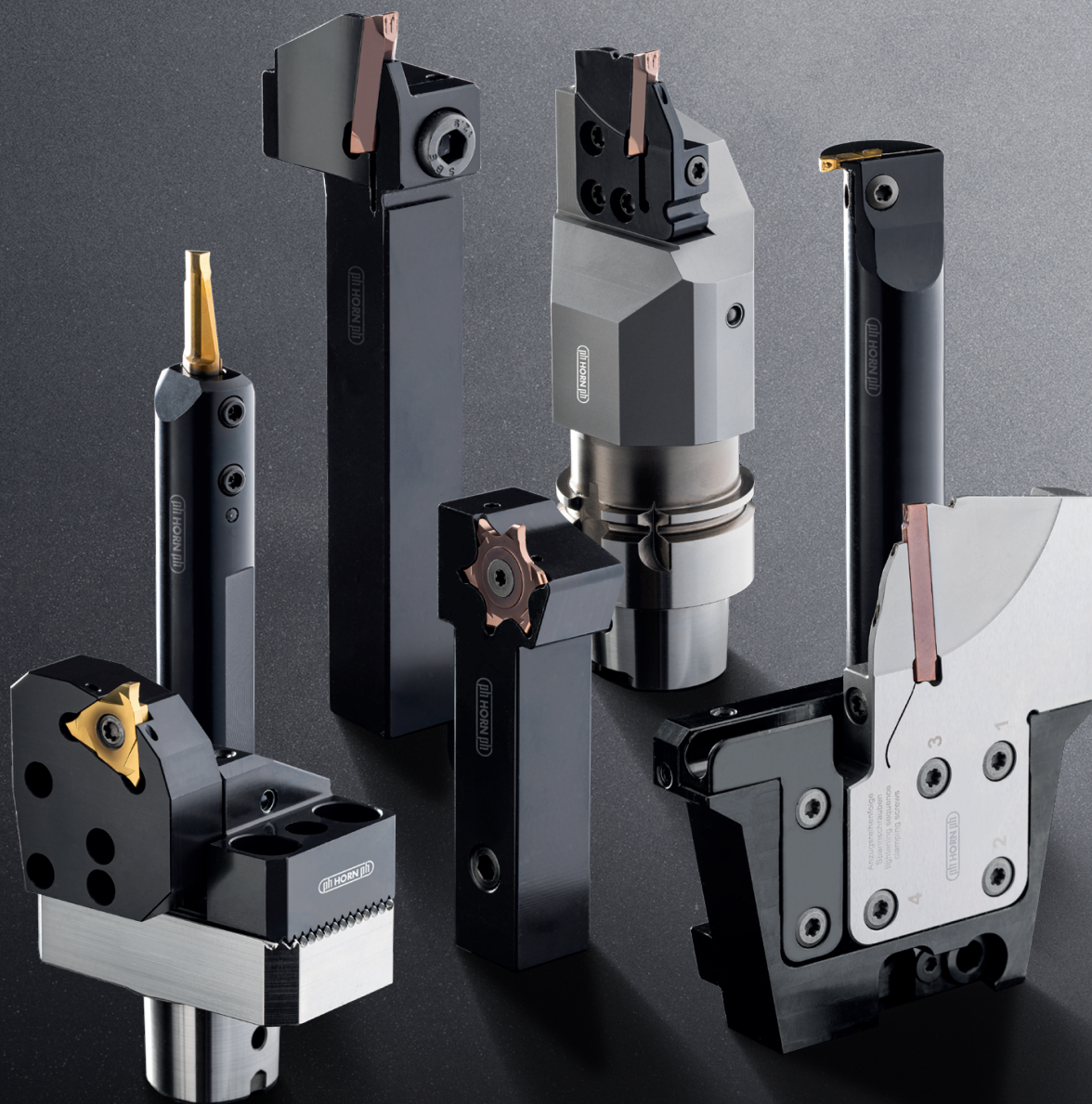




DREHWERKZEUGE UND MODULARE HALTERSYS- TEME

GROOVING TOOLS AND MODULAR
HOLDER SYSTEMS

2027/2028

Sehr geehrte Damen und Herren,

die beste Werkzeuglösung beginnt mit präzisen, übersichtlichen und verlässlich nutzbaren Informationen.

Genau hier setzen unsere neuen Kataloge 2027/2028 an. Unsere Produktdaten basieren vollständig auf dem ISO-13399-Standard. Damit stehen Ihnen unsere Zerspanungswerkzeug-Daten einheitlich strukturiert, konsistent und systemübergreifend zur Verfügung – für die Nutzung in CAM-Systemen, ERP-Lösungen und Werkzeugverwaltungen. Nicht nur die Datenbasis ist neu. Auch die Kataloge selbst haben wir weiterentwickelt. Eine klarere Struktur, zusätzliche Informationen und eine modernere Darstellung sorgen dafür, dass Sie sich schneller orientieren und gezielter zum passenden Produkt gelangen.

Nutzen Sie auch unsere digitalen Angebote. Alle im Katalog enthaltenen Werkzeuge können Sie auch rund um die Uhr direkt über unseren eShop bestellen. Zudem finden Sie unsere Kataloge auch als digitale Version auf unserer Website.

Bei Fragen zu unseren Werkzeuglösungen oder zum Katalog steht Ihnen außerdem unser Außen- und Innendienst mit Rat und Tat zur Seite.

Die folgenden QR-Codes führen Sie zu weiterführenden Informationen zu ISO 13399 und zu allen Neuerungen der Kataloge 2027/2028. Außerdem gelangen Sie direkt zur Ansprechpartnersuche sowie zu unseren digitalen Katalogen und unserem eShop.



<https://www.horn-group.com/de/produkte/kataloge-und-flyer/hinweise-neue-kataloge-27/28>



<https://www.horn-eshop.de/de-DE>



<https://www.horn-group.com/de/service/downloadbereich>



<https://www.horn-group.com/de/kontakt/ansprechpartnersuche>

Markus Horn

Markus Horn
Geschäftsführer
Paul Horn GmbH

M. Rommel

Matthias Rommel
Geschäftsführer
Paul Horn GmbH

Dear Customer,

The best tooling solution starts with precise, clearly structured, and reliably usable information.

This is exactly where our new 2027/2028 catalogues come in. Our product data now fully complies with ISO 13399 Standard. This means our cutting tool data is available to you in a uniformly structured, consistent, and cross-system format – for use in CAM systems, ERP solutions, and tool management systems. It's not just the data foundation that's new. We have also further developed the catalogues themselves. A clearer structure, additional information, and a more modern layout help you find your way faster and locate the right product more precisely.

Also take advantage of our digital services. All tools included in the catalogue can be also found in digital form on our website.

If you have any questions about our tooling solutions or the catalogue, our field sales and inside sales teams are also happy to assist you.

The following QR codes will take you to further information on ISO 13399 and all the new features of the 2027/2028 catalogues. You can also use them to go directly to our contact search, as well as to our digital catalogues.



<https://www.horn-group.com/products/catalogues-and-flyers/information-new-catalogues-27/28>



<https://www.horn-group.com/contact/contact-search>



<https://www.horn-group.com/service/download-area>

Markus Horn

Markus Horn
Managing Director
Paul Horn GmbH

M. Rommel

Matthias Rommel
Managing Director
Paul Horn GmbH

Allgemeine Hinweise

General Information



- **Die im Katalog gezeigten Zeichnungen dienen ausschließlich als Referenzdarstellungen.**
The drawings shown in the catalogue are for reference use only.
- **Alle Abmessungen sind in Millimeter (mm) angegeben, sofern nicht anders vermerkt.**
All dimensions are shown in millimetres (mm), unless otherwise noted.
- **Weitere Abmessungen und Ausführungen sind auf Anfrage erhältlich.**
Further dimensions and versions are available on request.
-  **Alle Seiten, die mit diesem Symbol gekennzeichnet sind, enthalten technische Informationen.**
All pages marked with this symbol contain technical information.
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ISO 13399

horn-group.com/de/service/
technologieinformationen/
werkzeugparameter-iso-13399



ISO 13399

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technical-instructions/cutting-
tool-parameters-iso-13399



Technologieinformationen

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Technical instructions

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cutting-data



Gewinden

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technologieinformationen/
gewinden



Threads

horn-group.com/service/
technical-instructions/
threads

Die HORN-Trennstellencodierung – so finden Sie die zueinander passenden Werkzeuge

Die Trennstellencodierung stellt sicher, dass Sie immer die zueinander passenden Werkzeuge finden und wird bei Werkzeughaltern und bei Schneidplatten ausgewiesen. Wenn die Codes übereinstimmen, kann die Schneidplatte im entsprechenden Werkzeughalter verwendet werden.

The HORN connection interface code - how to find your matching tools

The connection interface code ensures that you will always find the appropriate tools and is shown on holders and inserts. If the codes match, the insert can be used in the corresponding holder.

Beispiel Fräuserschaft

Example Milling Shank

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	HBH	WF	HF	Trennstelle W Interface W
RH64T.1212.6.10.IK	5,5	40	12	12	125	24,5	25	7	9,8	12	64T014N
RH64T.1212.6.20.IK	5,5	40	12	12	125	24,5	25	7	9,3	12	64T024N
LH64T.1212.6.10.IK	5,5	40	12	12	125	24,5	25	7	9,8	12	64T014N
LH64T.1212.6.20.IK	5,5	40	12	12	125	24,5	25	7	9,3	12	64T024N

Beispiel Schneidplatte

Example Insert

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	INSL	Trennstelle M Interface M	EG35	IG35
S64T.FB10.01	1	5,5	0,1	0,1	2,2	1,6	25,37	64T014N	▲	▲
S64T.FB15.01	1,5	5,5	0,1	0,1	2,2	1,85	25,37	64T014N	▲	▲
								P	●	●
								M	●	●
								K	-	-
								N	-	-
								S	-	o
								H	-	-

Passende Trennstelle
Suitable Interface

Werkzeugbenennung
Tool Name

Werkzeugtyp
Tool Type

Klemmhalter
Toolholder

B209

ph HORN ph

Werkzeug-eigenschaften
Tool Features

Kapitel
Chapter

B1

Artikelnummer
Part Number

Artikelnummer Part number	CDX	DCONMS	DMIN	H	LF	LU	WF
RB209.0016.1.02.IK	3,5	16	16	14	109,225	58,225	11,8
RB209.0020.1.12.IK	5	20	18	18	109,225	58,225	15,3
RB209.0016.1.025.IK	3,5	16	16	14	109,1	58,225	11,8
RB209.0020.1.125.IK	5	20	18	18	109,1	58,225	15,3
RB209.0016.1.03.IK	3,5	16	16	14	108,9	58,225	11,8
RB209.0020.1.13.IK	5	20	18	18	108,9	58,225	15,3
LB209.0016.1.02.IK	3,5	16	16	14	109,225	58,225	11,8
LB209.0020.1.12.IK	5	20	18	18	109,225	58,225	15,3
LB209.0016.1.025.IK	3,5	16	16	14	109,1	58,225	11,8
LB209.0020.1.125.IK	5	20	18	18	109,1	58,225	15,3
LB209.0016.1.03.IK	3,5	16	16	14	108,9	58,225	11,8
LB209.0020.1.13.IK	5	20	18	18	108,9	58,225	15,3

CW siehe Wendeschneidplatten
CW see indexable inserts

HORN-Trennstellencode
HORN Connection Code

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB209...	3.5.12T10EP	T10PL

Nummer für die Bestellung eines Werkzeughalters = Artikelnummer
Number to order a tool holder= Part number

RB209.0016.1.02.IK

Artikelnummer
Part Number

Werkzeugbenennung
Tool Name

Werkzeugtyp
Tool Type

**Werkzeu-
eigenschaften**
Tool Features

Artikelnummer
Part Number

Wendeschneidplatte
Indexable insert

S209

ph HORN ph

B1

Kapitel
Chapter

Sorte
Grades

Lieferzeit:
Delivery time:

▲ **ab Lager**
on stock

Δ **4 Wochen**
4 weeks

Artikelnummer Part number	OW	INSL	REL	RER	S	Trennstelle M Interface M	AS45
S209.0200.52	2	9	0,2	0,2	2,3	209200058N	▲
S209.0250.52	2,5	10	0,2	0,2	2,3	209250058N	▲
S209.0300.52	3	10	0,2	0,2	2,3	209300058N	▲

HORN-Trennstellencode
HORN Interface Connection Code

ISO-Werkstoffempfehlung:
ISO Material Recommendation:

● **empfohlen**
recommended

○ **bedingt einsetzbar**
suitable

- **nicht geeignet**
not ideal

107

HM-Sorten
Carbide grades
Δ 4 Wochen
4 weeks

Nummer für die Bestellung einer Schneidplatte = Artikelnummer + Sorte

Number to order an insert = Part number + Grade

S209.0200.52 AS45

Artikelnummer
Part Number

Sorte
Grade

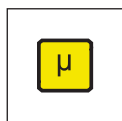
Übersicht – Icons

Overview – Icons

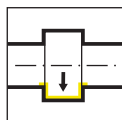


Drehbearbeitungen

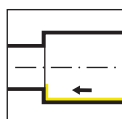
Turning operations



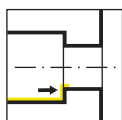
μ Finish



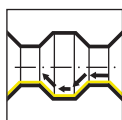
Einstechen innen
Internal grooving



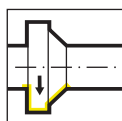
Bohrung Ausdrehen innen
Internal boring



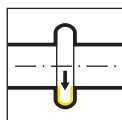
Rückwärtsdrehen innen
Internal back turning



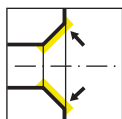
Ausdrehen und Fasen innen
Internal profiling and chamfering



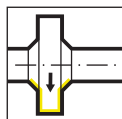
Vorstechen und Fasen innen
Internal pre-grooving and chamfering



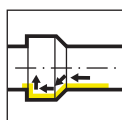
Einstechen Vollradius innen
Internal grooving full radius



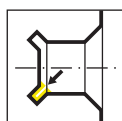
Fasen innen
Internal chamfering



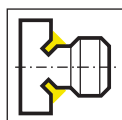
Einstechen mit Fase innen
Internal grooving with chamfer



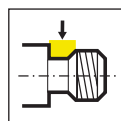
Bohrung Kontur Ausdrehen
Boring and profiling



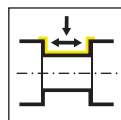
Eckenfreistich innen
Internal corner relief



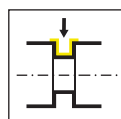
Eckenfreistich außen
External corner relief



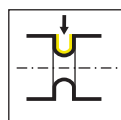
Gewindefreistich
Corner thread relief



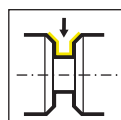
Einstechen Längsdrehen
Grooving and side turning



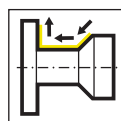
Einstechen außen
Grooving external



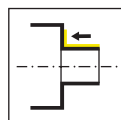
Einstechen Vollradius außen
External grooving full radius



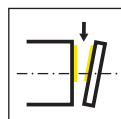
Einstechen mit NAKF
External grooving with NAKF



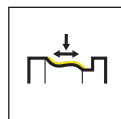
Kopierdrehen außen
External profiling



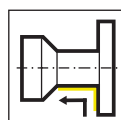
Längsdrehen außen
External side turning



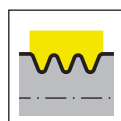
Abstechen
Parting off



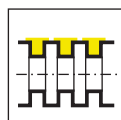
Kopierdrehen
Profiling



Rückwärtsdrehen außen
External back turning



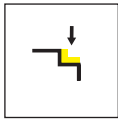
Poly-V-Riemennut
Poly-V-belt grooves



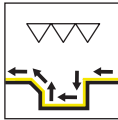
Mehrfachstechen
Multiple grooving

Drehbearbeitungen

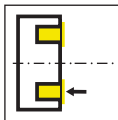
Turning operations



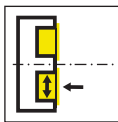
Teilschnitt
Partial cut



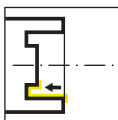
Feindreihen
Fine turning



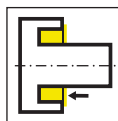
Axialstechen
Face grooving



Axialstechen Längsdrehen
Faced side turning



Axialstechen vor der Mitte innen
Internal face grooving in front of center



Axialstechen mit Bund
Face grooving with collar



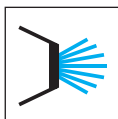
Speed Forming



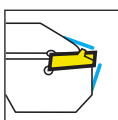
Seegerringnuten
Circlip grooves

Kühlung

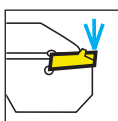
Cooling



Innenkühlung
Internal coolant



Zielgerichtete Kühlung
Targeted coolant



Kühlung durch die Schneidplatte
Coolant through insert

Übersicht – Icons

Overview – Icons



Gewindebearbeitung

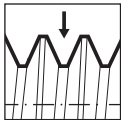
Threading



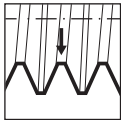
Gewinde Teilprofil
Partial profile thread



Gewinde Vollprofil
Full profile thread



Gewinde außen
External thread



Gewinde innen
Internal thread



Whitworth-Rohrgewinde
Whitworth pipe thread



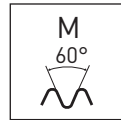
Unified-Gewinde
Unified thread



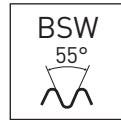
NPT-Rohrgewinde
National pipe thread



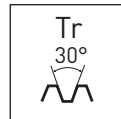
Panzerrohrgewinde
Steel conduit thread



Metrisches ISO-Gewinde
Metric ISO thread



Whitworth-Rohrgewinde
Whitworth pipe thread



Trapezgewinde
Trapezoidal thread

Keine Unterlegplatte erforderlich. Sämtliche HORN-Gewindeprofile sind mit einem **KEGELMANTEL-FREISCHLIFF** versehen.

No shims necessary. All HORN thread profiles are manufactured with full ground radial clearance.



INHALTSVERZEICHNIS

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A Einschneider Single-edge

- A1 System 100 – Ab- und Einstechen, Schneidbreite 1,2–16 mm**
System 100 – Parting off and Grooving, width of groove 1.2–16 mm
- A2 System 117 – Formeinstechen, Formbreite 10–45 mm**
System 117 – Profile grooving, width of profile 10–45 mm

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System 209 – Grooving and Side turning, width of groove 2–3 mm
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C Dreischneider
Three-edge

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System 32T – Grooving and Parting off, width of groove 0.34–2.5 mm

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System 34T – Grooving and Parting off, width of groove 1.03–5 mm

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System 312 – Grooving and Parting off, width of groove 0.5–6.3 mm

C4 System 315 – Einstechen und Längsdrehen, Schneidbreite 0,3–20 mm

System 315 – Grooving and Side turning, width of groove 0.3–8mm

C5 System 316 – Ein- und Abstechen, Schneidbreite 1,5–3 mm

System 316 – Grooving and Parting off, width of groove 1.5–3 mm

C6 System 395 – Formeinstechen, Profilbreite 8,5–15,5 mm

System 395 – Profile grooving, width of profile 8.5–15.5 mm

D Sechsschneider
Six-edge

D1 System 64T – Ein- und Abstechen, Schneidbreite 0,5–3 mm

System 64T – Grooving and Parting off, width of groove 0.38–3.26 mm

D2 System 66T – Ein- und Abstechen, Schneidbreite 2–3 mm

System 66T – Grooving and Parting off, width of groove 2–3 mm

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- E1** **Schneidplatten für Außen- und Innengewinde**
Inserts for External and Internal Threading

F Axialeinstechen Face Grooving

- F1** **System Supermini – Stechbreite 0,5–3 mm**
System Supermini – Width of groove 0.5–3 mm
- F2** **System Mini – Stechbreite 1–3 mm**
System Mini – Width of groove 1–3 mm
- F3** **System 15A / 25A – Stechbreite 2–4 mm**
System 15A / 25A – Width of groove 2–4 mm
- F4** **System 224 – Stechbreite 3–6 mm**
System 224 – Width of groove 3–6 mm
- F5** **System 229 – Stechbreite 4–8 mm**
System 229 – Width of groove 4–8 mm
- F6** **System 231 – Stechbreite 3–10 mm**
System 231 – Width of groove 3–10 mm
- F7** **System 312 – Stechbreite 1,5–5 mm**
System 312 – Width of groove 1.5–5 mm
- F8** **System 315 – Stechbreite 1,5–3 mm**
System 315 – Width of groove 1.5–3 mm

G Grundhalter mit VDI-Aufnahme und Schwertaufnahme Basic Toolholder with adapter VDI and adapter for blades

- G1** **Grundhalter mit VDI-Aufnahme für Scheiben- und Stern- Revolver, Schwert-
aufnahme und Schwertaufnahme**
Basic Toolholder with VDI adaptor for turrets and star turrets, adapter for blades

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Modular Holder Systems – Interface 220

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Basic Toolholder with PSC, TS, HSK and HSKT Adapter

H2 Grundhalter für Bohrstange und Vierkantschaft

Basic Toolholder for Boring Bar and Square Shank

H3 Kassetten zur Radialbearbeitung – Axialbearbeitung siehe Kapitel F

Cassettes for Radial Machining – for Axial Machining, see Chapter F

I Modulare Haltersysteme – Schnittstelle 360

Modular Holder Systems – Interface 360

I1 Grundhalter mit PSC-, und TS-Aufnahme

Basic Toolholder with Adapter PSC and TS

J Modulare Haltersysteme – Schnittstelle BK

Modular Holder Systems – Interface BK

J1 Grundhalter mit PSC-, TS-, HSK und HSKT-Aufnahme

Basic Toolholder with Adapter PSC, TS, HSK and HSKT

J2 Kassetten für die Innenbearbeitung

Cassettes for internal machining

K Modulare Haltersysteme – Bohrstangenaufnahme

Modular Holder Systems – Adapter for Boring Bar

K1 Grundhalter mit PSC-Aufnahme

Basic Toolholder with Adapter PCS

L Modulare Haltersysteme – Schnittstelle 840

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L1 Grundhalter und Kassetten

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- M1 Grundhalter Typ BMT, MAZ, 960.VDI, 960.HSKT und Stechhaltestück Schnittstelle FN12**
Basic Toolholder type BMT, MAZ, 960.VDI, 960.HSKT and Grooving Toolholder with FN12 Interface
- M2 Grundhalter System 940, 990, 991 mit Stechhaltestück**
Basic Toolholder System 940, 990, 991 with Grooving Toolholder

N **Modulare Haltersysteme – Schnittstelle 842 und 845** Modular Holder Systems – Interface 842 and 845

- N1 Grundhalter mit PSC-, HSKT-, VDI-Aufnahme und TRAUB Typ TR**
Basic Toolholder with Adapter PSC, HSKT, VDI and TRAUB type TR
- N2 Grundhalter für Vierkantschaft**
Basic Toolholder for Square Shank

O **Modulare Haltersysteme – Mehrspindler INDEX** Modular Holder Systems – INDEX Multi-spindle Machines

- O1 Grundhalter, Einstellbare Halter und Kassetten**
Basic Toolholder, Adjustable holder and Cassette

P **Modulare Haltersysteme – Mehrspindler Schütte** Modular Holder Systems – Schütte Multi-spindle Machines

- P1 Grundhalter System 849, 850 und 969 mit Kassette**
Basic Toolholder System 849, 850 and 969 with Cassette

Q **Modulare Haltersysteme – Goeltenbott** Modular Holder Systems – Goeltenbott

- Q1 Grundhalter Typ GWS mit Kassette**
Basic Toolholder type GWS with Cassette

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R Kassetten zum Ein- und Abstechen – Schnittstelle 842 Cassettes for Grooving and Parting off – Interface 842

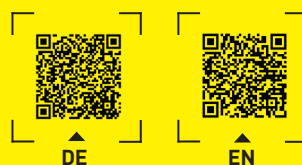
R1 Kassetten Systeme 100, 224, 234, 368 und ISO
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S Kassetten zum Ein- und Abstechen – Schnittstelle 845 Cassettes for Grooving and Parting off – Interface 845

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EINSCHNEIDER

SINGLE-EDGE

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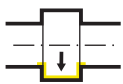
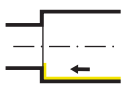
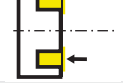
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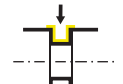
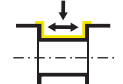
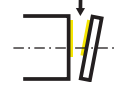
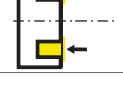
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Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 25	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,2-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						
														

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 7,5	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,2-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
	•	•			•		•	•						
							•	•	•					

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A1



Klemmhalter und Schneidplatten

Stechbreite 1,2 - 16 mm
Stechtiefe bis 16 mm

Toolholder and Inserts

Width of groove 1,2 - 16 mm
Depth of groove up to 16 mm

Inhaltsangabe

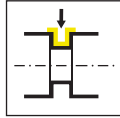
Summary

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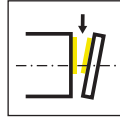
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Klemmhalter
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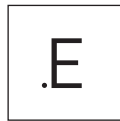


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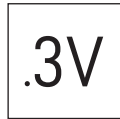
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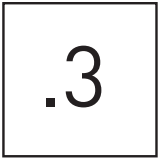
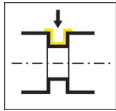
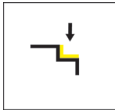
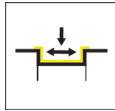
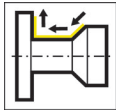
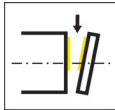
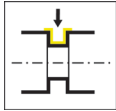
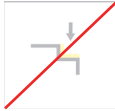
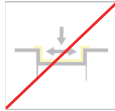
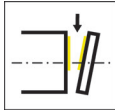
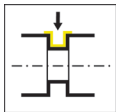
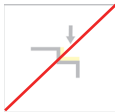
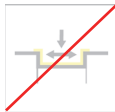
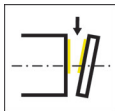
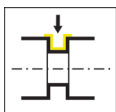
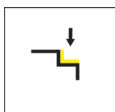
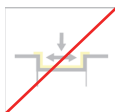
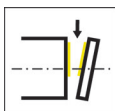
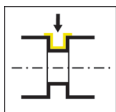
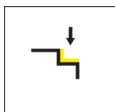
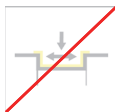
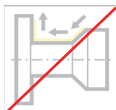
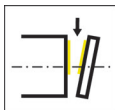
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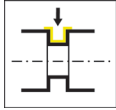
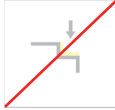
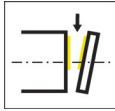
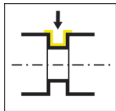
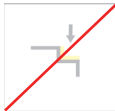
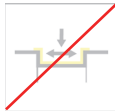
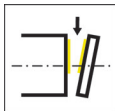
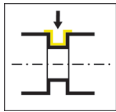
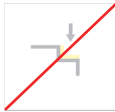
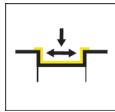
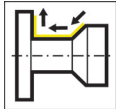
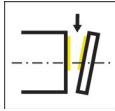
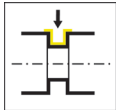
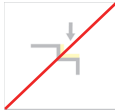
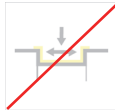
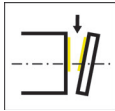
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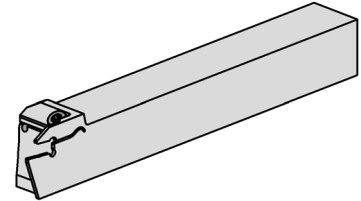
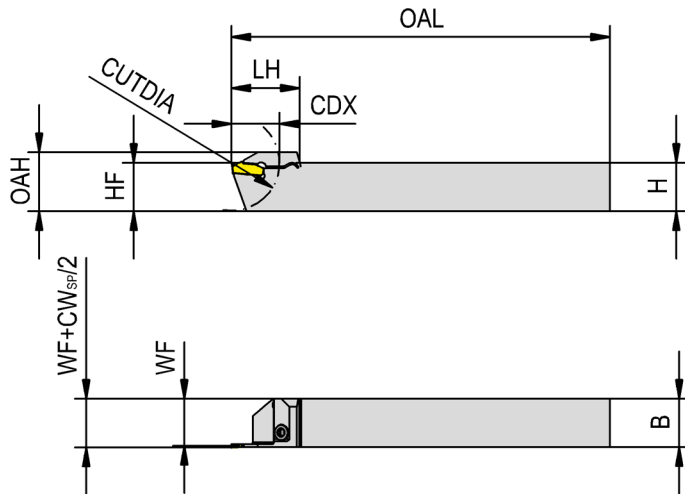
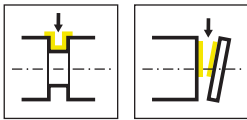


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Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,15-0,25 ↔ 0,15-0,40	    
	P M K N S H	↓ 0,05-0,20	    
	P M K N S H	↓ 0,08-0,30	    
	P M K N S H	↓ 0,10-0,45	    
	P M K N S H	↓ 0,25-0,4	    

A1

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,03-0,15	    
	P M K N S H	↓ 0,03-0,15	    
	P M K N S H	↓ 0,05-0,25 ↔ 0,05-0,25	    
	P M K N S H	↓ 0,07-0,25	    



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

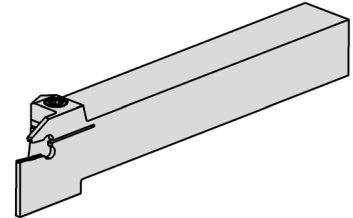
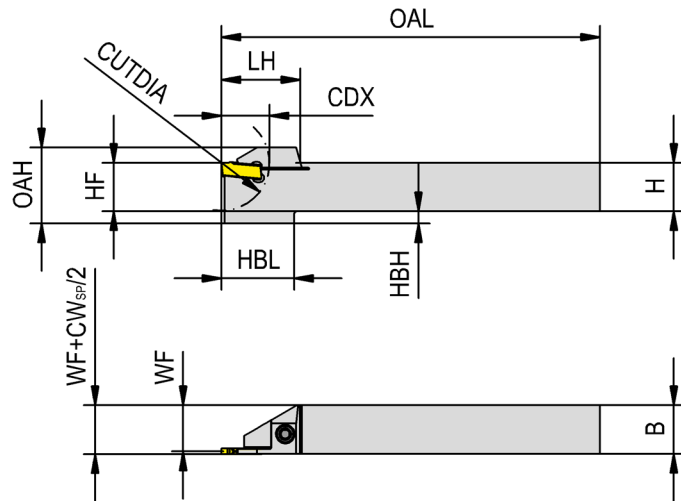
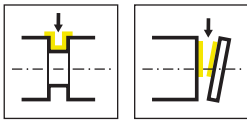
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RH100.1010.13.12	13	26	10	10	125	22,5	13,5	9,53	10	100220058N
RH100.1010.13.14	13	26	10	10	125	22,5	13,5	9,43	10	100240058N
RH100.1010.13.16	13	26	10	10	125	22,5	13,5	9,35	10	100260058N
RH100.1212.13.12	13	26	12	12	125	22,5	15,5	11,52	12	100220058N
RH100.1212.13.14	13	26	12	12	125	22,5	15,5	11,42	12	100240058N
RH100.1212.13.16	13	26	12	12	125	22,5	15,5	11,35	12	100260058N
RH100.1616.13.12	13	26	16	16	125	22,5	19,5	15,53	16	100220058N
RH100.1616.13.14	13	26	16	16	125	22,5	19,5	15,43	16	100240058N
RH100.1616.13.16	13	26	16	16	125	22,5	19,5	15,35	16	100260058N
LH100.1010.13.12	13	26	10	10	125	22,5	13,5	9,53	10	100220058N
LH100.1010.13.14	13	26	10	10	125	22,5	13,5	9,43	10	100240058N
LH100.1010.13.16	13	26	10	10	125	22,5	13,5	9,35	10	100260058N
LH100.1212.13.12	13	26	12	12	125	22,5	15,5	11,52	12	100220058N
LH100.1212.13.14	13	26	12	12	125	22,5	15,5	11,42	12	100240058N
LH100.1212.13.16	13	26	12	12	125	22,5	15,5	11,35	12	100260058N
LH100.1616.13.12	13	26	16	16	125	22,5	19,5	15,53	16	100220058N
LH100.1616.13.14	13	26	16	16	125	22,5	19,5	15,43	16	100240058N
LH100.1616.13.16	13	26	16	16	125	22,5	19,5	15,35	16	100260058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100...	3.5.12T10EP	T10PL



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

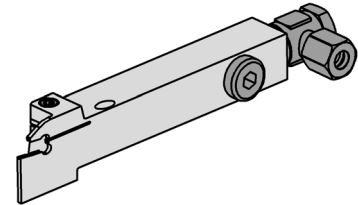
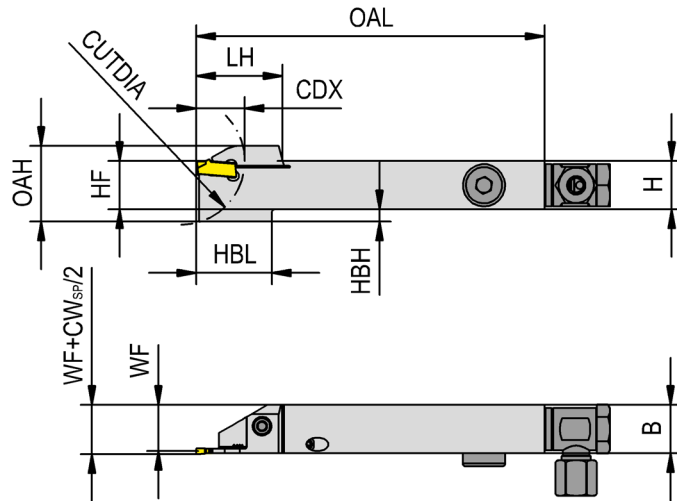
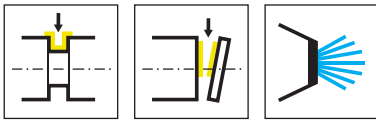
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH100.1010.01	10,5	21	10	10	125	21	19	18	3	9,25	10	100010058N
RH100.1010.11	13	23	10	10	125	23	21	21	6	9,25	10	100010058N
RH100.1212.01	13	26	12	12	125	23	21	21	4	11,25	12	100010058N
RH100.1212.11	16	42	12	12	125	23	24	21	4	11,3	12	100010058N
RH100.1616.11	16	42	16	16	125	26	24	25	4	15,25	16	100010058N
RH100.1616.21	21	42	16	16	125	33,5	30	25	4	15,25	16	100010058N
RH100.2020.11	16	42	20	20	125	26	-	25	-	19,25	20	100010058N
RH100.2020.21	21	42	20	20	125	33,5	-	25	-	19,25	20	100010058N
RH100.2525.21	21	42	25	25	150	33,5	-	30	-	24,3	25	100010058N
LH100.1010.01	10,5	21	10	10	125	21	19	18	3	9,25	10	100010058N
LH100.1212.01	13	26	12	12	125	23	21	21	4	11,25	12	100010058N
LH100.1212.11	16	42	12	12	125	23	24	21	4	11,3	12	100010058N
LH100.1616.11	16	42	16	16	125	26	24	25	4	15,25	16	100010058N
LH100.1616.21	21	42	16	16	125	33,5	30	25	4	15,25	16	100010058N
LH100.2020.11	16	42	20	20	125	26	-	25	-	19,25	20	100010058N
LH100.2020.21	21	42	20	20	125	33,5	-	25	-	19,25	20	100010058N
LH100.2525.21	21	42	25	25	150	33,5	-	30	-	24,3	25	100010058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100...	4.15T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

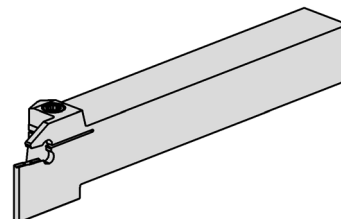
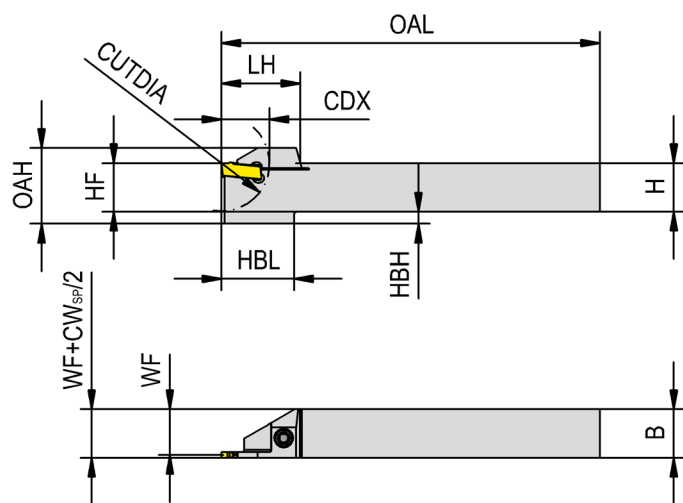
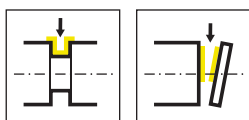
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH100.1212.01.IK	13,5	26	12	12	125	23	21	21	4	11,25	12	100010058N
RH100.1616.11.IK	16	42	16	16	125	28,5	25	25	4	15,25	16	100010058N
RH100.1616.21.IK	21	42	16	16	125	33,5	30	25	4	15,25	16	100010058N
RH100.2020.11.IK	16	42	20	20	125	26	-	25	-	19,25	20	100010058N
RH100.2020.21.IK	22,2	42	20	20	125	33,5	-	25	-	19,25	20	100010058N
RH100.2525.21.IK	21	42	25	25	125	33,5	-	30	-	24,25	25	100010058N
LH100.1212.01.IK	13	26	12	12	125	23	21	21	4	11,25	12	100010058N
LH100.1212.11.IK	16	42	12	12	125	26	24	21	4	11,25	12	100010058N
LH100.1616.11.IK	16	42	16	16	125	28,5	25	25	4	15,25	16	100010058N
LH100.1616.21.IK	21	42	16	16	125	33,5	30	25	4	15,25	16	100010058N
LH100.2020.11.IK	16	42	20	20	125	26	-	25	-	19,25	20	100010058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/LH100.1212.01.IK/...11.IK	4.15T15P	004.00.22	T15PQ	
R/LH100...	4.15T15P	004.00.16	T15PQ	004.00.26
RH100.2020.21.IK	4.15T15P	004.00.16	T20PQ	004.00.26



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Typ Type	Trennstelle W Interface W
RH100.1212.02	13	26	12	12	125	23	21	21	4	11,05	12	A	100020058N
RH100.1616.02	10,5	42	16	16	125	21	19	25	4	15,05	16	A	100020058N
RH100.1212.12	16	42	12	12	125	26	24	21	4	11,1	12	A	100020058N
RH100.1616.12	16	42	16	16	125	26	24	25	4	15,05	16	A	100020058N
RH100.2020.12	16	42	20	20	125	26	-	25	-	19,05	20	A	100020058N
RH100.1616.22	21,5	42	16	16	125	33,5	30	25	4	15,05	16	A	100020058N
RH100.2020.22	21	42	20	20	125	33,5	-	25	-	19,05	20	A	100020058N
RH100.2525.22	21	42	25	25	150	33,5	-	30	-	24,05	25	A	100020058N
RH100.2020.32	32,5	42	20	20	125	38,5	35	31,6	5	19,05	20	B	100020058N
LH100.1212.02	13	26	12	12	125	23	21	21	4	11,05	12	A	100020058N
LH100.1616.02	10,5	42	16	16	125	21	19	25	4	15,05	16	A	100020058N
LH100.1212.12	16	42	12	12	125	26	24	21	4	11,1	12	A	100020058N
LH100.1616.12	16	42	16	16	125	26	24	25	4	15,05	16	A	100020058N
LH100.2020.12	16	42	20	20	125	26	-	25	-	19,05	20	A	100020058N
LH100.1616.22	21	42	16	16	125	33,5	30	25	4	15,05	16	A	100020058N
LH100.2020.22	21	42	20	20	125	33,5	-	25	-	19,05	20	A	100020058N
LH100.2525.22	21	42	25	25	150	33,5	-	30	-	24,05	25	A	100020058N
LH100.2020.32	32,5	42	20	20	125	38,5	35	31,6	5	19,05	20	B	100020058N

CW siehe Schneidplatten
CW see inserts

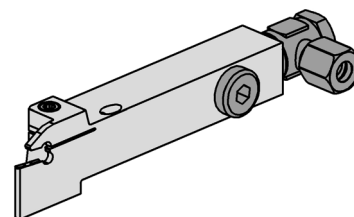
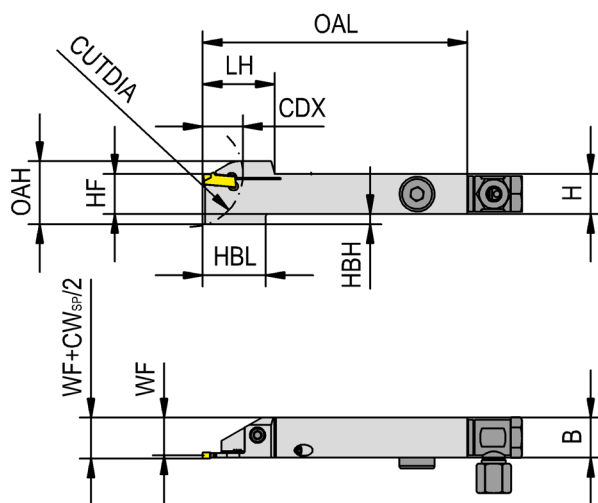
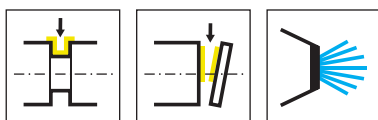
Typ A = geschraubt, Typ B = selbstklemmend
Type A = screwed version, Type B = with self clamping

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers R/LH100.2020.32. Bitte separat bestellen!
Wrench P39L is not combined with blade R/LH100.2020.32 - separate order required!

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100...	4.15T15P	T15PQ
R/LH100.2020.32		



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Typ Type	Trennstelle W Interface W
RH100.1212.02.IK	13,5	26	12	12	125	23	21	21	4	11,05	12	A	100020058N
RH100.1616.02.IK	10,5	42	16	16	125	23	19,5	25	4	15,05	16	A	100020058N
RH100.1616.12.IK	16	42	16	16	125	28,5	25	25	4	15,05	16	A	100020058N
RH100.2020.12.IK	16	42	20	20	125	26	-	25	-	19,05	20	A	100020058N
RH100.1616.22.IK	21	42	16	16	125	33,5	25	25	4	15,05	16	A	100020058N
RH100.2020.22.IK	21,5	42	20	20	125	33,5	-	25	-	19,05	20	A	100020058N
RH100.2525.22.IK	21,5	42	25	25	150	33,5	-	30	-	24,05	25	A	100020058N
LH100.1212.02.IK	13,5	26	12	12	125	23	21	21	4	11,05	12	A	100020058N
LH100.1616.02.IK	10,5	42	16	16	125	23	19,5	25	4	15,05	16	A	100020058N
LH100.1616.12.IK	16	42	16	16	125	28,5	25	25	4	15,05	16	A	100020058N
LH100.2020.12.IK	16	42	20	20	125	26	-	25	-	19,05	20	A	100020058N
LH100.1616.22.IK	21	42	16	16	125	33,5	25	25	4	15,05	16	A	100020058N
LH100.2525.22.IK	21,5	42	25	25	150	33,5	-	30	-	24,05	25	A	100020058N

CW siehe Schneidplatten
CW see inserts

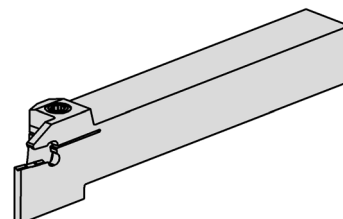
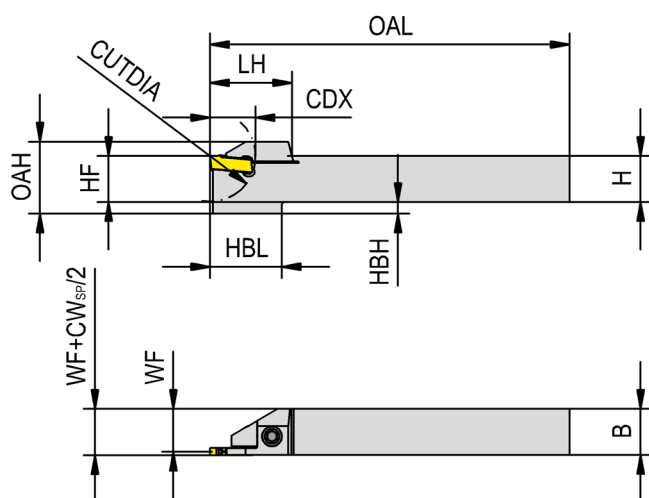
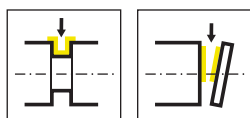
Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers R/LH100.2020.32. Bitte separat bestellen!
Wrench P39L is not combined with blade R/LH100.2020.32 - separate order required!

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/LH100.1212.02.IK	4.15T15P	004.00.22	T15PQ	
R/LH100...	4.15T15P	004.00.16	T15PQ	004.00.26
RH100.2020.22.IK	5.17T20P	004.00.16	T20PQ	004.00.26

A1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Typ Type	Trennstelle W Interface W
RH100.1212.03	13	26	12	12	125	23	21	21	4	10,85	12	A	100030058N
RH100.1616.03	10,5	42	16	16	125	23	19,5	25	4	14,85	16	A	100030058N
RH100.1616.13	16	42	16	16	125	28,5	25	25	4	14,85	16	A	100030058N
RH100.1616.23	21	42	16	16	125	33,5	30	25	4	14,85	16	A	100030058N
RH100.2020.13	16	42	20	20	125	28,5	-	25	-	18,85	20	A	100030058N
RH100.2020.23	21	42	20	20	125	33,5	-	25	-	18,85	20	A	100030058N
RH100.2020.33	33	65	20	20	125	38,5	35	31,6	5	18,85	20	B	100030058N
RH100.2525.13	16	42	25	25	150	28,5	-	30	-	23,85	25	A	100030058N
RH100.2525.23	21	42	25	25	150	33,5	-	30	-	23,85	25	A	100030058N
RH100.2525.33	32,5	65	25	25	150	38,5	-	31,6	-	23,85	25	B	100030058N
LH100.1212.03	13	26	12	12	125	23	21	21	4	10,85	12	A	100030058N
LH100.1616.03	10,5	42	16	16	125	23	19,5	25	4	14,85	16	A	100030058N
LH100.1616.13	16	42	16	16	125	28,5	25	25	4	14,85	16	A	100030058N
LH100.1616.23	21	42	16	16	125	33,5	30	25	4	14,85	16	A	100030058N
LH100.2020.13	16	42	20	20	125	28,5	-	25	-	18,85	20	A	100030058N
LH100.2020.23	21	42	20	20	125	33,5	-	25	-	18,85	20	A	100030058N
LH100.2020.33	33	65	20	20	125	38,5	35	31,6	5	18,85	20	B	100030058N
LH100.2525.13	16	42	25	25	150	28,5	-	30	-	23,85	25	A	100030058N
LH100.2525.23	21	42	25	25	150	33,5	-	30	-	23,85	25	A	100030058N
LH100.2525.33	32,5	65	25	25	150	38,5	-	31,6	-	23,85	25	B	100030058N

CW siehe Schneidplatten
CW see inserts

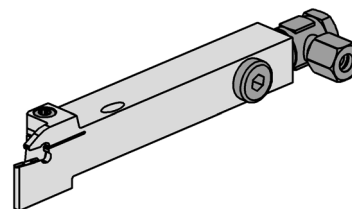
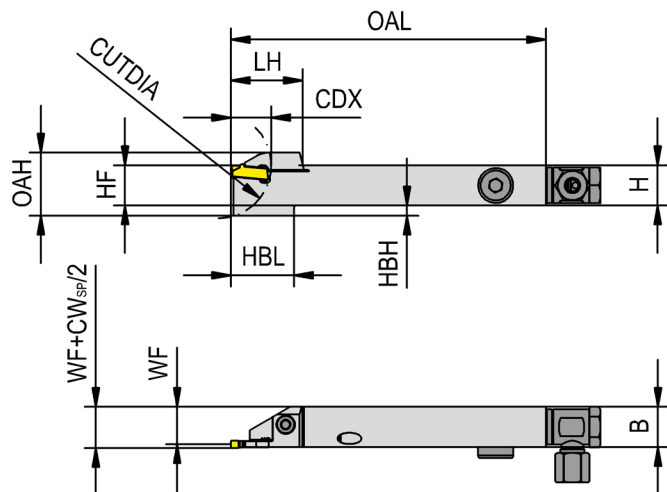
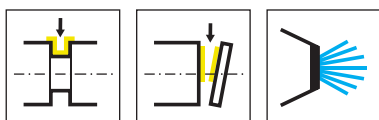
Typ A = geschraubt, Typ B = selbstklemmend
Type A = screwed version, Type B = with self clamping

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers R/LH100...33. Bitte separat bestellen!
Wrench P39L is not combined with blade R/LH100...33 - separate order required!

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100...	5.17T20P	T20PQ
R/LH100....		



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Typ Type	Trennstelle W Interface W
RH100.1212.03.IK	13,5	26	12	12	125	23,5	21,5	21	4	10,85	12	A	100030058N
RH100.1616.03.IK	10,5	42	16	16	125	23	25	21	4	14,85	16	A	100030058N
RH100.1616.13.IK	16	42	16	16	125	28,5	25	25	4	14,85	16	A	100030058N
RH100.2020.13.IK	16	42	20	20	125	28,5	-	25	-	18,85	20	A	100030058N
RH100.1616.23.IK	21	42	16	16	125	33,5	30	25	4	14,85	16	A	100030058N
RH100.2020.23.IK	21,5	42	20	20	125	33,5	-	25	-	18,85	20	A	100030058N
RH100.2020.33.IK	33	42	20	20	125	38,5	35	31,6	5	18,85	20	B	100030058N
RH100.2525.33.IK	33	65	25	25	150	38,5	-	31,6	-	22,85	25	B	100030058N
LH100.1212.03.IK	13,5	26	12	12	125	23,5	21,5	21	4	10,85	12	A	100030058N
LH100.1616.03.IK	10,5	42	16	16	125	23	25	21	4	14,85	16	A	100030058N
LH100.1616.13.IK	16	42	16	16	125	28,5	25	25	4	14,85	16	A	100030058N
LH100.2020.13.IK	16	42	20	20	125	28,5	-	25	-	18,85	20	A	100030058N
LH100.1616.23.IK	21	42	16	16	125	33,5	30	25	4	14,85	16	A	100030058N
LH100.2020.23.IK	21,5	42	20	20	125	33,5	-	25	-	18,85	20	A	100030058N
LH100.2525.23.IK	21,5	42	25	25	150	33,5	-	30	-	23,85	25	A	100030058N
LH100.2020.33.IK	33	42	20	20	125	38,5	35	31,6	5	18,85	20	B	100030058N
LH100.2525.33.IK	33	65	25	25	150	38,5	-	31,6	-	22,85	25	B	100030058N

CW siehe Schneidplatten
CW see inserts

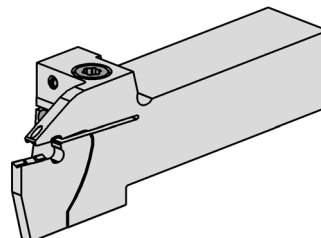
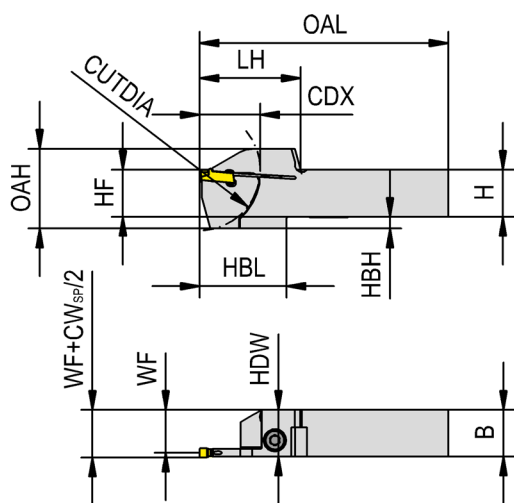
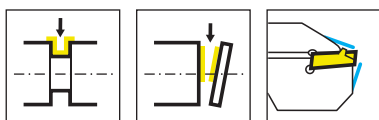
Typ A = geschraubt, Typ B = selbstklemmend
Type A = screwed version, Type B = with self clamping

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers R/LH100...33. Bitte separat bestellen!
Wrench P39L is not combined with blade R/LH100...33 - separate order required!

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/LH100.1212.03.IK	5.17T20P	004.00.22	T20PQ	
R/LH100...	5.17T20P	004.00.16	T20PQ	004.00.26
LH100.1616.23.IK	5.17T20P	004.00.16	T20PQ	004.00.26
LH100.2525.23.IK	5.17T20P	004.00.16	T20PQ	004.00.21
RH100.1616.23.IK	4.15T15P	004.00.16	T15PQ	004.00.26



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH100.1616.2.24.IK	21,5	42	16	16	89	39,5	35	34	20	9	14,3	16	100040058N
RH100.2020.2.23.IK	21,5	42	20	20	102	39	33	34	-	5	18,65	20	100030058N
RH100.2020.2.24.IK	21,5	42	20	20	102	39	33	34	-	5	18,3	20	100040058N
RH100.2020.2.73.IK	25,5	50	20	20	106	43	37	34	-	5	18,65	20	100030058N
RH100.2525.2.73.IK	25,5	50	25	25	121	43	37	39	-	5	23,65	25	100030058N
RH100.2020.34.4.73.IK	34	68	20	20	115	53	48	39	-	10	18,65	20	100030058N
RH100.2525.34.4.73.IK	34	68	25	25	132	53	48	44	-	10	23,65	25	100030058N
LH100.2020.2.23.IK	21,5	42	20	20	102	39	33	34	-	5	18,65	20	100030058N
LH100.2020.2.73.IK	25,5	50	20	20	106	43	37	34	-	5	18,65	20	100030058N
LH100.2525.2.73.IK	25,5	50	25	25	121	43	37	39	-	5	23,65	25	100030058N
LH100.2020.34.4.73.IK	34	68	20	20	115	53	48	39	-	10	18,65	20	100030058N
LH100.2525.34.4.73.IK	34	68	25	25	132	53	48	44	-	10	23,65	25	100030058N

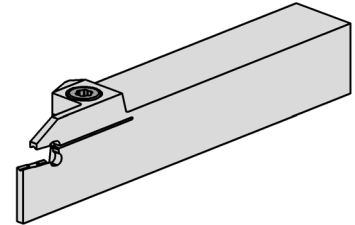
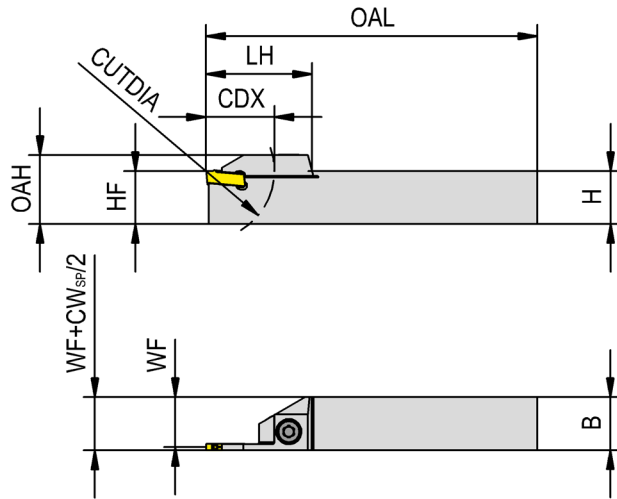
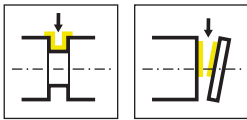
CW siehe Schneidplatten
CW see inserts

Kühlmittelzufuhr durch Grundhalter mittels Langloch
Coolant via basic toolholder through a slotted hole

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RH100...	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

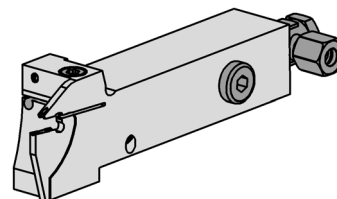
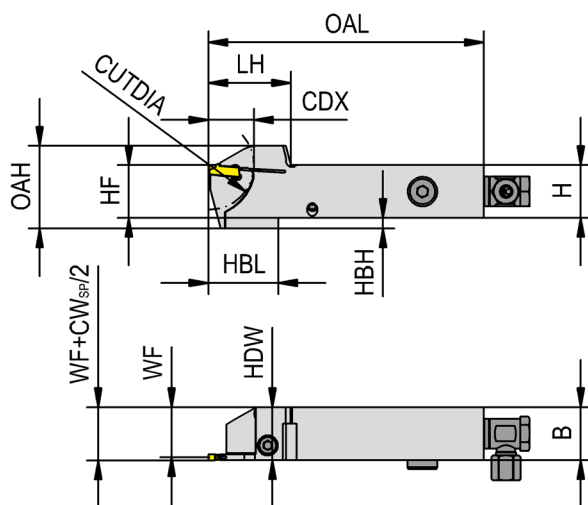
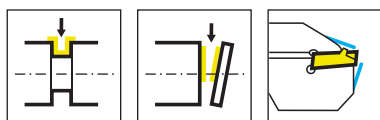
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH100.2020.73	25	50	20	20	125	40	26	18,85	20	100030058N
RH100.2525.73	25	50	25	25	125	40	31	23,85	25	100030058N
RH100.2020.74	25	50	20	20	125	40	26	18,45	20	100040058N
LH100.2020.73	25	50	20	20	125	40	26	18,85	20	100030058N
LH100.2525.73	25	50	25	25	125	40	31	23,85	25	100030058N
LH100.2020.74	25	50	20	20	125	40	26	18,45	20	100040058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100...	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

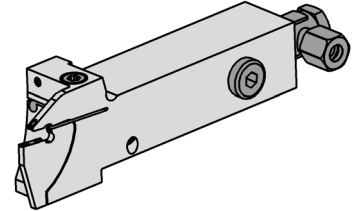
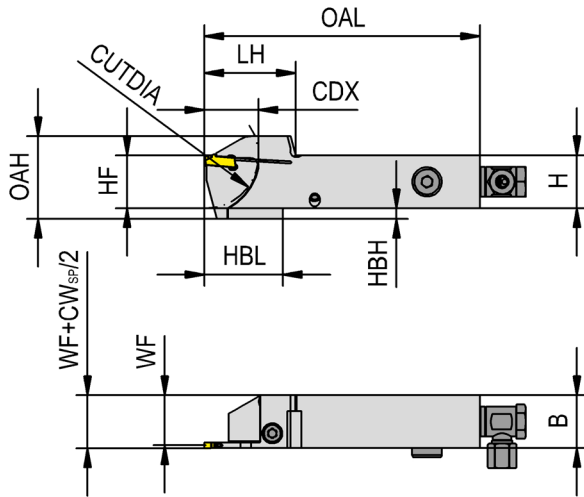
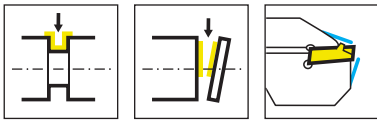
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH100.1616.0.23.IK	21,5	42	16	16	125	39,5	35	34	20	9	14,65	16	100030058N
RH100.1616.0.24.IK	21,5	42	16	16	125	39,5	35	34	20	9	14,35	16	100040058N
RH100.2020.0.23.IK	21,5	42	20	20	125	39	33	34	-	5	18,65	20	100030058N
RH100.2020.0.24.IK	21,5	42	20	20	125	39	33	34	-	5	18,35	20	100040058N
RH100.2525.0.23.IK	21,5	42	25	25	150	39	33	39	-	5	23,65	25	100030058N
RH100.2525.0.24.IK	21,5	42	25	25	150	39	33	39	-	5	23,35	25	100030058N
LH100.1616.0.23.IK	21,5	42	16	16	125	39,5	35	34	20	9	14,65	16	100030058N
LH100.1616.0.24.IK	21,5	42	16	16	125	39,5	35	34	20	9	14,35	16	100040058N
LH100.2020.0.23.IK	21,5	42	20	20	125	39	33	34	-	5	18,65	20	100030058N
LH100.2020.0.24.IK	21,5	42	20	20	125	39	33	34	-	5	18,35	20	100040058N
LH100.2525.0.23.IK	21,5	42	25	25	150	39	33	39	-	5	23,65	25	100030058N
LH100.2525.0.24.IK	21,5	42	25	25	150	39	33	39	-	5	23,35	25	100030058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/LH100...	004.00.16	6.23T25P	T25PQ	004.00.26



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

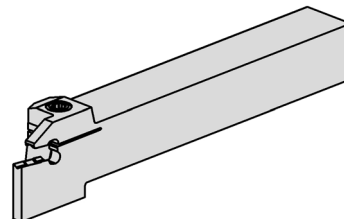
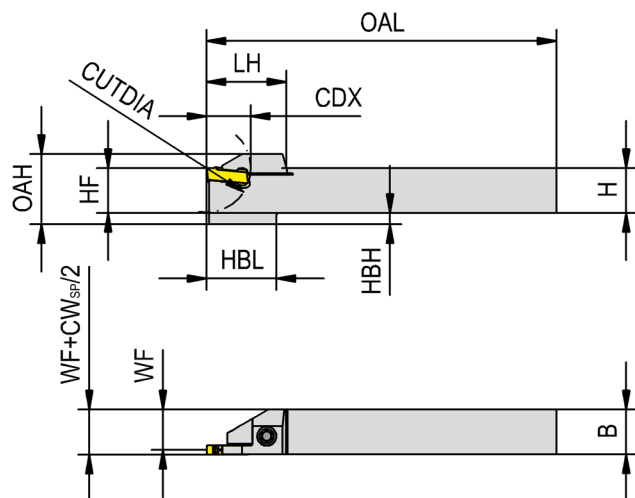
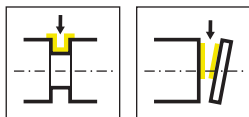
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH100.2020.0.73.IK	25,5	50	20	20	125	43	37	34	5	18,65	20	100030058N
RH100.2525.0.73.IK	25,5	50	25	25	150	43	37	34	5	23,65	25	100030058N
LH100.2020.0.73.IK	25,5	50	20	20	125	43	37	34	5	18,65	20	100030058N
LH100.2525.0.73.IK	25,5	50	25	25	150	43	37	34	5	23,65	25	100030058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlussschraube Screw Plug
R/LH100...	004.00.16	6.23T25P	T25PQ	004.00.26



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Typ Type	Trennstelle W Interface W
RH100.2020.14	16	42	20	20	125	28,5	-	25	-	18,45	20	A	100040058N
RH100.2525.14	16	42	25	25	150	28,5	-	30	-	23,45	25	A	100040058N
RH100.2020.34	32,5	42	20	20	125	38,5	-	31,6	-	18,45	20	B	100040058N
RH100.2525.34	40,5	81	25	25	150	46,5	40	38,6	7	23,45	25	B	100040058N
LH100.2020.14	16	42	20	20	125	28,5	-	25	-	18,45	20	A	100040058N
LH100.2525.14	16	42	25	25	150	28,5	-	30	-	23,45	25	A	100040058N
LH100.2020.34	32,5	42	20	20	125	38,5	-	31,6	-	18,45	20	B	100040058N
LH100.2525.34	40,5	81	25	25	150	46,5	40	38,6	7	23,45	25	B	100040058N

CW siehe Schneidplatten
CW see inserts

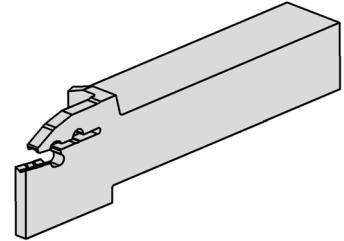
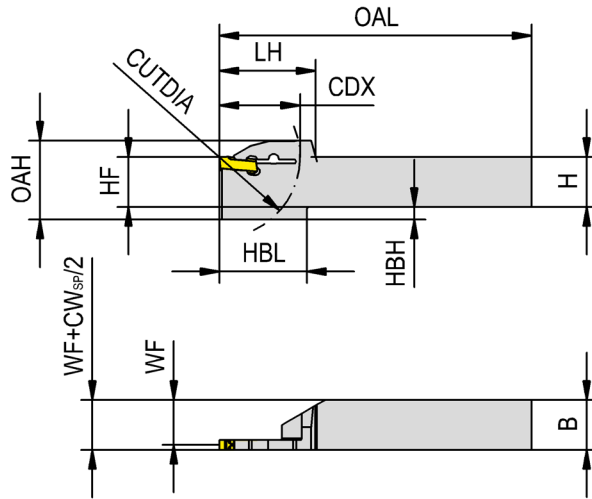
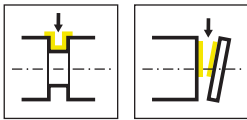
Typ A = geschraubt, Typ B = selbstklemmend
Type A = screwed version, Type B = with self clamping

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers R/LH100...34. Bitte separat bestellen!
Wrench P39L is not combined with blade R/LH100...34 - separate order required!

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100....	5.17T20P	T20PQ
R/LH100....		



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Typ Type	Trennstelle W Interface W
RH100.2020.15	16	42	20	20	125	28,5	-	25	-	18,05	20	A	100050058N
RH100.2020.35	32,5	65	20	20	125	38,5	35	31,6	5	18,05	20	B	100050058N
RH100.2525.35	40,5	81	25	25	150	46,5	40	38,6	7	18,05	25	B	100050058N
LH100.2525.35	40,5	81	25	25	150	46,5	40	38,6	7	18,05	25	B	100050058N

CW siehe Schneidplatten
CW see inserts

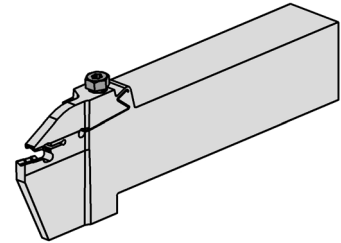
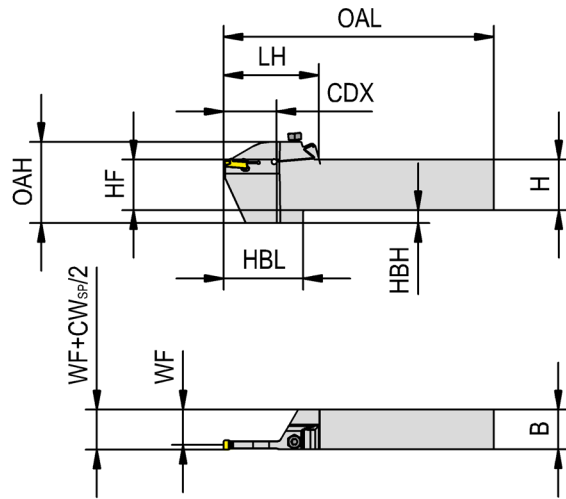
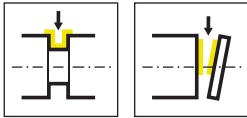
Typ A = geschraubt, Typ B = selbstklemmend
Type A = screwed version, Type B = with self clamping

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers R/LH100...35. Bitte separat bestellen!
Wrench P39L is not combined with blade R/LH100...35 - separate order required!

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RH100.2020.15	5.17T20P	T20PQ
RH100.2020.35		
R/LH100.2525.		



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

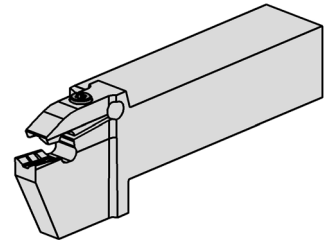
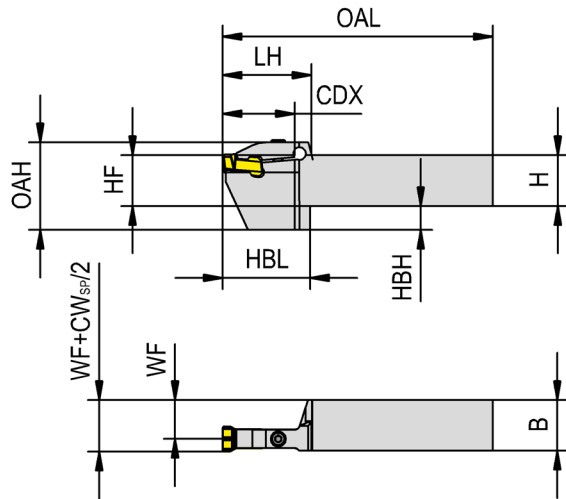
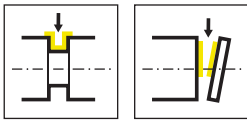
Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH100.2020.3.04	33	20	20	150	60	50	43	12	18,2	20	100040058N
RH100.2020.3.05	33	20	20	150	60	50	43	12	17,7	20	100050058N
RH100.2525.3.05	33	25	25	150	60	50	43	7	22,7	25	100050058N
RH100.2525.3.06	33	25	25	150	60	50	51	15	22,2	25	100060058N
RH100.3225.3.06	33	32	25	170	60	50	51	12	22,2	32	100060058N
RH100.3225.3.08	33	32	25	170	60	50	51	12	21,2	32	100080058N
RH100.3225.38	35	32	25	170	60	50	51	12	21,2	32	100080058N
RH100.3225.4.08	41	32	25	170	65	55	51	12	21,2	32	100080058N
RH100.3225.4.10	41	32	25	170	65	55	51	12	20,3	32	100100058N
RH100.3225.4.12	41	32	25	170	65	55	51	12	19,3	32	100120058N
LH100.2020.3.04	33	20	20	150	60	50	43	12	18,2	20	100040058N
LH100.2020.3.05	33	20	20	150	60	50	43	12	17,7	20	100050058N
LH100.2525.3.05	33	25	25	150	60	50	43	7	22,7	25	100050058N
LH100.2525.3.06	33	25	25	150	60	50	51	15	22,2	25	100060058N
LH100.3225.3.06	33	32	25	170	60	50	51	12	22,2	32	100060058N
LH100.3225.3.08	33	32	25	170	60	50	51	12	21,2	32	100080058N
LH100.3225.38	35	32	25	170	60	50	51	12	21,2	32	100080058N
LH100.3225.4.08	41	32	25	170	65	55	51	12	21,2	32	100080058N
LH100.3225.4.10	41	32	25	170	65	55	51	12	20,3	32	100100058N
LH100.3225.4.12	41	32	25	170	65	55	51	12	19,3	32	100120058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100...	030.6075.T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH100.3232.5.16	45	32	32	170	56	55	55	15	24,5	32	100160058N
LH100.3232.5.16	45	32	32	170	56	55	55	15	24,5	32	100160058N

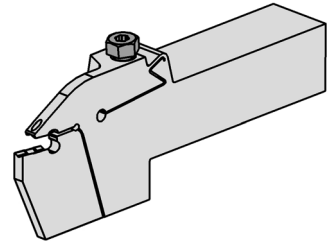
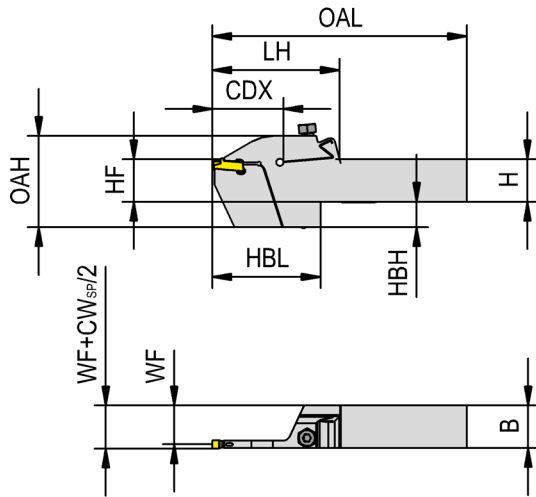
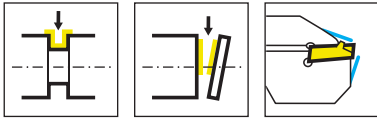
CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100.3232.5.16	030.0625.T25P	T25PQ

A1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH100.2020.3.2.04.IK	33	20	20	120	60	51	43	12	18,3	20	100040058N
RH100.2525.3.2.04.IK	33	25	25	134	60	50	43	7	23,3	25	100040058N
LH100.2020.3.2.04.IK	33	20	20	120	60	51	43	12	18,3	20	100040058N
LH100.2525.3.2.04.IK	33	25	25	134	60	50	43	7	23,3	25	100040058N

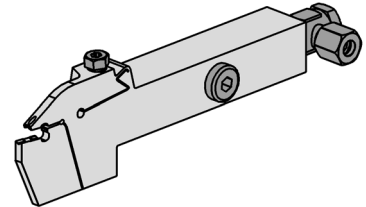
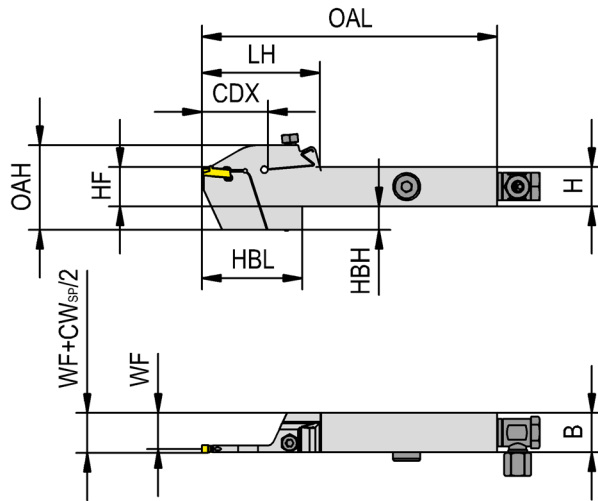
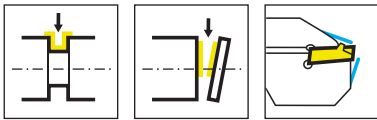
CW siehe Schneidplatten
CW see inserts

Kühlmittelzufuhr durch Grundhalter mittels Langloch
Coolant via basic toolholder through a slotted hole

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100...	030.6075.T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH100.2020.3.0.04.IK	33	20	20	150	60	51	43	12	18,3	20	100040058N
RH100.2525.3.0.04.IK	33	25	25	150	60	50	43	7	23,3	25	100040058N
LH100.2020.3.0.04.IK	33	20	20	150	60	51	43	12	18,3	20	100040058N
LH100.2525.3.0.04.IK	33	25	25	150	60	50	43	7	23,3	25	100040058N

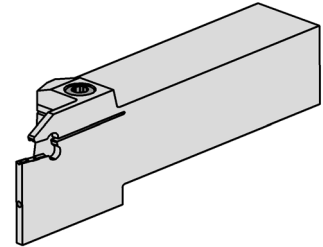
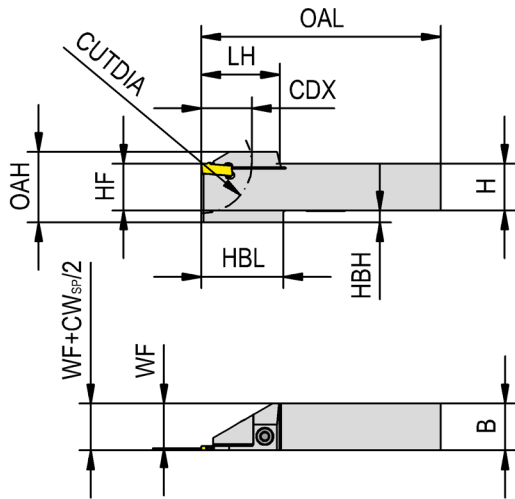
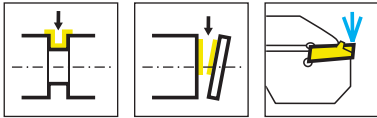
CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlussschraube Screw Plug
R/LH100...	004.00.16	030.6075.T20P	T20PQ	004.00.26

A1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH100.2020.3.22.IK	21,5	42	20	20	102	33,5	35	30	5	19,05	20	100020059N
LH100.1616.3.22.IK	15,05	42	16	16	89	33,5	35	30	9	19,05	16	100020059N
LH100.2020.3.22.IK	21,5	42	20	20	102	33,5	35	30	5	19,05	20	100020059N

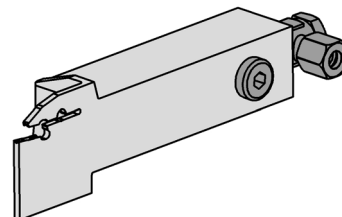
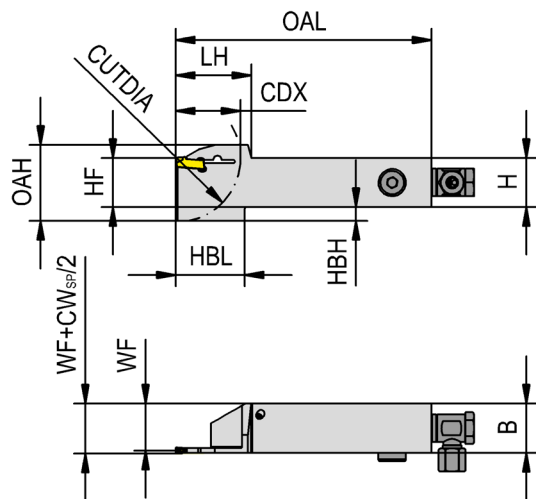
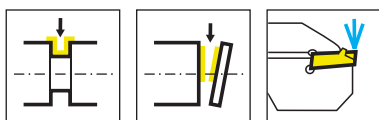
CW siehe Schneidplatten
CW see inserts

Kühlmittelzufuhr durch Grundhalter mittels Langloch
Coolant via basic toolholder through a slotted hole

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100...	5.17T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Typ Type	Trennstelle W Interface W
RH100.1616.1.23.IK	21,5	42	16	16	125	33,5	35	32	11	14,85	16	A	100030059N
RH100.2020.1.13.IK	16	42	20	20	125	28,5	30	32	7	18,85	20	A	100030059N
RH100.2020.1.23.IK	21,5	42	20	20	125	33,5	35	32	7	18,85	20	A	100030059N
RH100.2020.1.33.IK	33	65	20	20	125	38,5	35	33,6	7	18,85	20	B	100030059N
RH100.2020.1.34.IK	33	65	20	20	125	38,5	35	33,6	7	18,45	20	B	100040059N
RH100.2525.1.33.IK	33	65	25	25	150	38,5	35	38,6	7	23,85	25	B	100030059N
RH100.2525.1.34.IK	41	81	25	25	150	46,5	40	38,6	7	23,45	25	B	100040059N
LH100.1616.1.23.IK	21,5	42	16	16	125	33,5	35	32	11	14,85	16	A	100030059N
LH100.2020.1.23.IK	21,5	42	20	20	125	33,5	35	32	7	18,85	20	A	100030059N
LH100.2020.1.33.IK	33	65	20	20	125	38,5	35	33,6	7	18,85	20	B	100030059N
LH100.2525.1.33.IK	33	65	25	25	150	38,5	35	38,6	7	23,85	25	B	100030059N
LH100.2525.1.34.IK	41	81	25	25	150	46,5	40	38,6	7	23,45	25	B	100040059N

CW siehe Schneidplatten
CW see inserts

Typ A = geschraubt, Typ B = selbstklemmend
Type A = screwed version, Type B = with self clamping

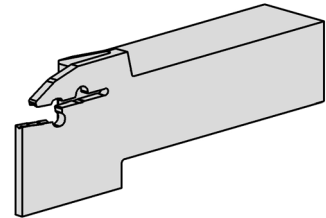
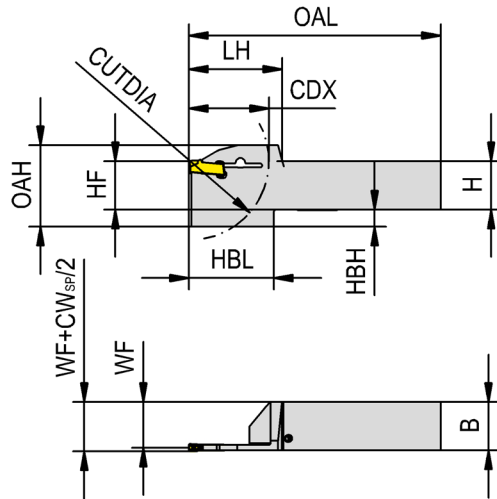
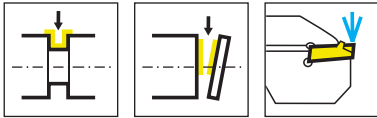
Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers H100...33/...34. Bitte separat bestellen!
Wrench P39L is not combined with blade H100...33/...34 separate order required!

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/LH100...13.IK/23.IK	5.17T20P	004.00.16	T20PQ	004.00.26
R/LH100...33.IK/34.IK		004.00.16		004.00.26

A1



R = rechts wie gezeichnet
R = right hand version shown

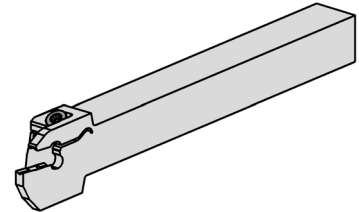
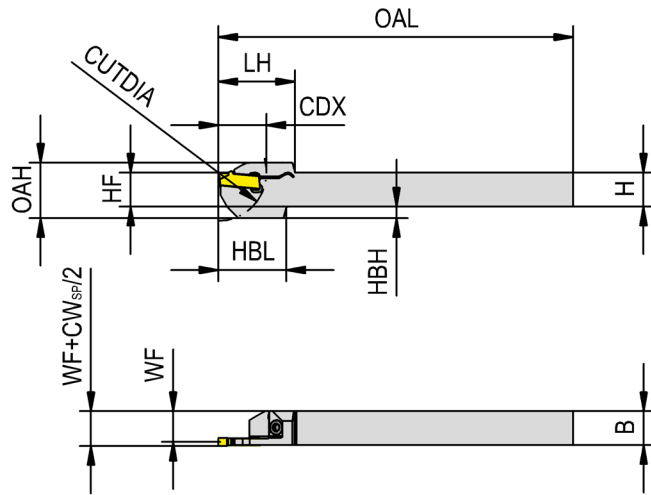
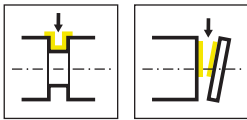
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH100.2020.3.33.IK	33	65	20	20	104	38,5	35	33,6	7	18,85	20	100030059N
RH100.2525.3.33.IK	33	65	25	25	119	38,5	35	38,6	7	23,85	25	100030059N
LH100.2020.3.33.IK	33	65	20	20	104	38,5	35	33,6	7	18,85	20	100030059N
LH100.2525.3.33.IK	33	65	25	25	119	38,5	35	38,6	7	23,85	25	100030059N

CW siehe Schneidplatten
CW see inserts

Kühlmittelzufuhr durch Grundhalter mittels Langloch
Coolant via basic tollholder through a slotted hole

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers R/LH100...33. Bitte separat bestellen!
Wrench P39L is not combined with blade R/LH100...33 - separate order required!



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH100.1212.24.61	13	26	12	12	125	23	23	19,5	4	11,25	12	100010058N
RH100.1616.32.63	17	34	16	16	125	27	-	19,5	-	14,85	16	100030058N
LH100.1212.24.61	13	26	12	12	125	23	23	19,5	4	11,25	12	100010058N
LH100.1212.32.63	17	34	12	12	125	27	24	19,5	4	10,85	12	100030058N
LH100.1616.32.63	17	34	16	16	125	27	-	19,5	-	14,85	16	100030058N

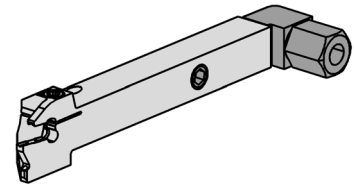
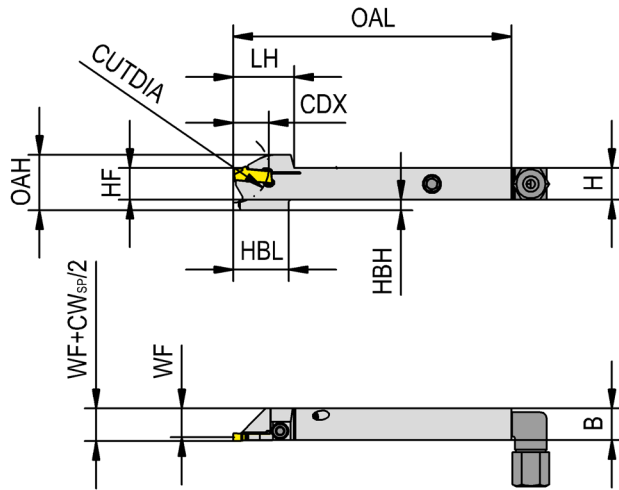
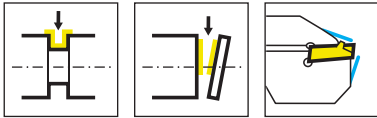
CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100....	3.5.12T10EP	T10PL

A1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

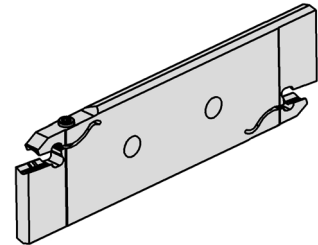
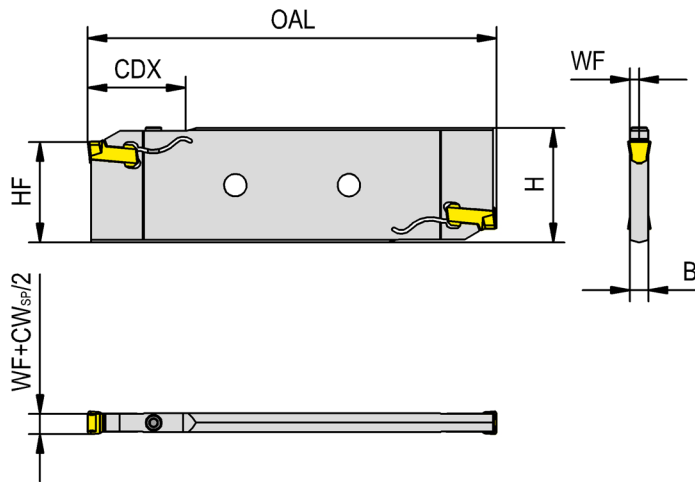
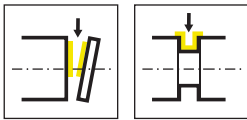
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
LH100.1212.5.23.IK	13,5	26	12	12	125	23	21	21	4	10,85	12	100030058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LH100.1212.5.23.IK	4.15T15P	004.00.61	T15PQ

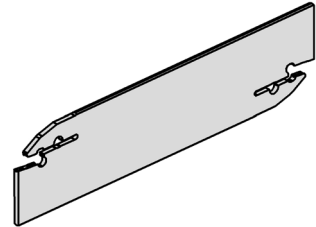
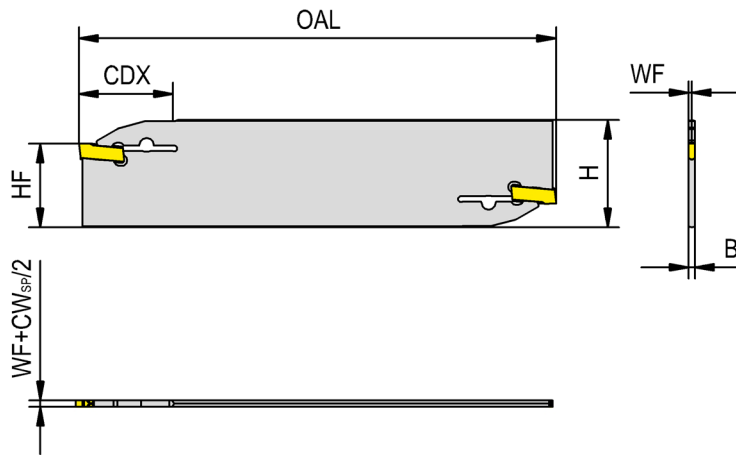
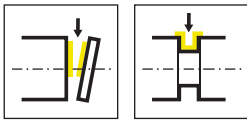


Artikelnummer Part number	CDX	H	B	OAL	WF	HF	Trennstelle W Interface W
H100.5208.26.08	84	52,6	7,4	260	3,7	45	100080058N
H100.5210.26.10	84	52,6	8,2	260	4,1	45	100100058N
H100.5212.26.12	84	52,6	10,4	260	5,2	45	100120058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile
Spare Parts

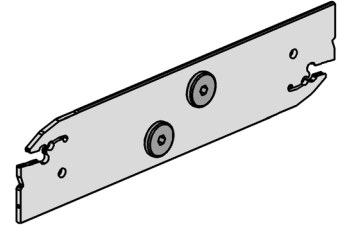
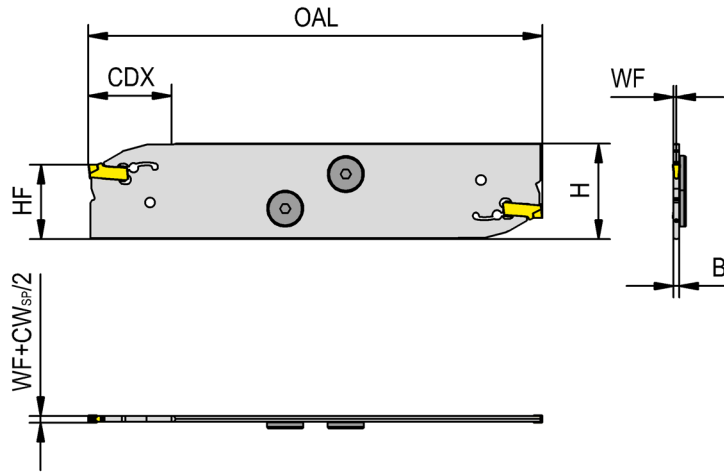
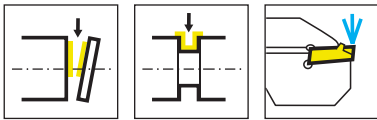
Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
H100...	5.13T20P	T20PQ



Artikelnummer Part number	CDX	H	B	OAL	WF	HF	Trennstelle W Interface W
H100.2601.01	35	26	1,5	110	0,75	21,4	100010058N
H100.2602.02	35	26	1,9	110	0,95	21,4	100020058N
H100.2603.03	35	26	2,3	110	1,15	21,4	100030058N
H100.2604.04	35	26	3,1	110	1,55	21,4	100040058N
H100.3201.01	49	32	1,5	150	0,75	24,8	100010058N
H100.3202.02	49	32	1,9	150	0,95	24,8	100020058N
H100.3203.03	49	32	2,3	150	1,15	24,8	100030058N
H100.3204.04	49	32	3,1	150	1,55	24,8	100040058N
H100.3205.05	49	32	3,9	150	1,95	24,8	100050058N

CW siehe Schneidplatten
CW see inserts

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers. Bitte separat bestellen!
Wrench P39L is not combined with toolholder - separate order required!



Artikelnummer Part number	CDX	H	B	OAL	WF	HF	Trennstelle W Interface W
H100.2602.8.02.IK	35	26	1,9	110	0,95	21,4	100020058N • 100020059N
H100.2603.8.03.IK	35	26	2,3	110	1,15	21,4	100030058N • 100030059N
H100.2604.8.04.IK	35	26	3,1	110	1,55	21,4	100040058N • 100040059N
H100.3202.8.02.IK	49	32	1,9	150	0,95	24,8	100020058N • 100020059N
H100.3203.8.03.IK	49	32	2,3	150	1,15	24,8	100030058N • 100030059N
H100.3204.8.04.IK	49	32	3,1	150	1,55	24,8	100040058N • 100040059N

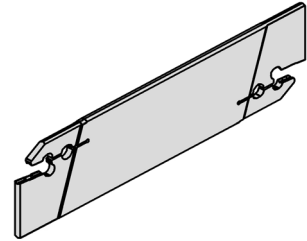
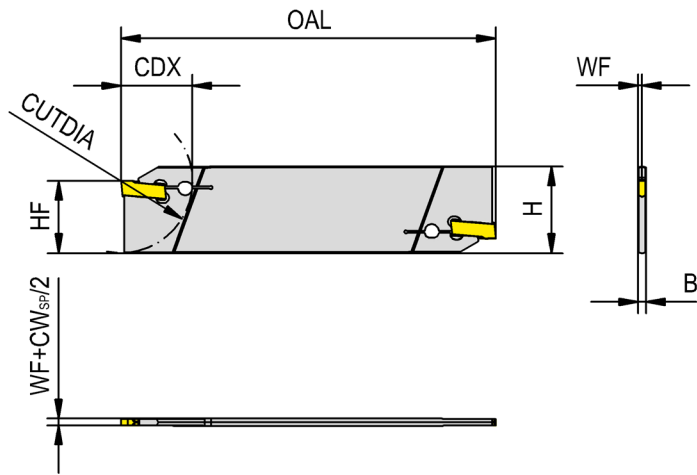
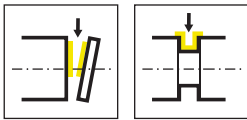
CW siehe Schneidplatten
CW see inserts

Der Schlüssel **P101.02** gehört nicht zum Lieferumfang des Halters. Bitte separat bestellen!
Wrench P101.02 is not combined with slotting cutter - separate order required!

Ersatzteile

Spare Parts

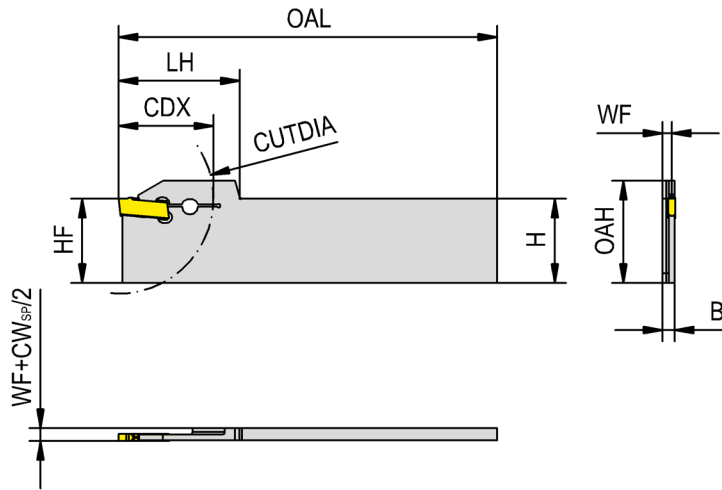
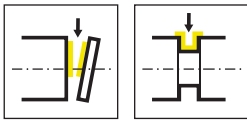
Klemmhalter Toolholder	IK-Verschluss Coolant plug
H100...	020.IK01.5732



Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	WF	HF	Trennstelle W Interface W
H100.2603.01	21	42	26	2,3	110	1,15	21,4	100010058N
H100.3203.01	49	65	32	2,3	150	1,15	24,8	100010058N
H100.3203.02	49	65	32	2,3	150	1,15	24,8	100020058N

CW siehe Schneidplatten
CW see inserts

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers. Bitte separat bestellen!
Wrench P39L is not combined with toolholder - separate order required!



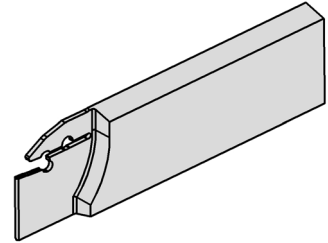
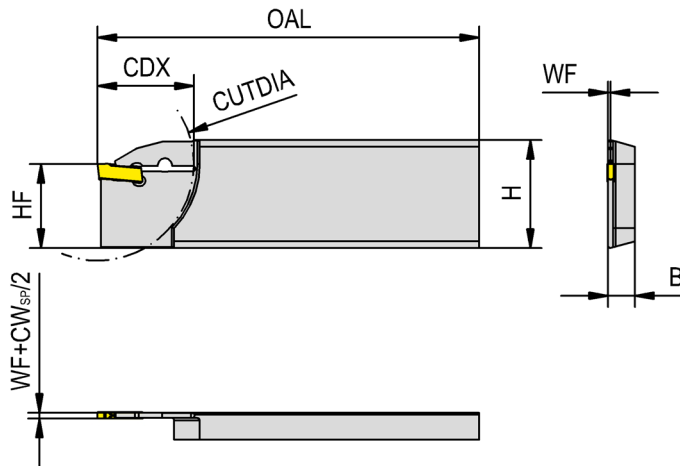
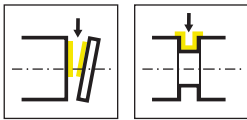
R = Rechtsausführung
R = right hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH100.1703.21	17,5	35	17,4	3,2	110	32	22,1	2,45	17,4	100010058N
RH100.1703.33	30	60	17,4	3,2	110	34,5	22,1	2,05	17,4	100030058N
RH100.2203.33	38	76	22,2	3,2	150	34,5	26,9	2,05	22,2	100030058N

CW siehe Schneidplatten
CW see inserts

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers R/LH100...33. Bitte separat bestellen!
Wrench P39L is not combined with blade R/LH100...33 - separate order required!

A1



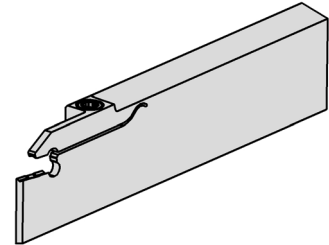
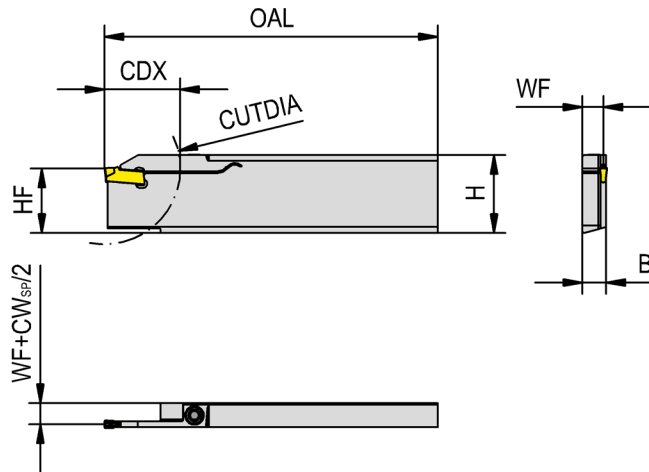
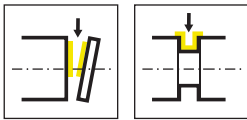
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	OA	WF	HF	Trennstelle W Interface W
RH100.2608.31	21	42	26	7,9	110	26	0,75	21,4	100010058N
RH100.2608.33	25	50	26	7,9	110	26	1,15	21,4	100030058N
RH100.3208.31	25	56	32	7,9	112	32	0,75	24,8	100010058N
RH100.3208.32	34	68	32	7,9	112	32	0,95	24,8	100020058N
RH100.3208.33	34	68	32	7,9	112	32	1,15	24,8	100030058N
RH100.3208.34	34	68	32	7,9	112	32	1,55	24,8	100040058N
LH100.2608.31	21	42	26	7,9	110	26	0,75	21,4	100010058N
LH100.2608.33	25	50	26	7,9	110	26	1,15	21,4	100030058N
LH100.3208.33	34	68	32	7,9	112	32	1,15	24,8	100030058N
LH100.3208.34	34	68	32	7,9	112	32	1,55	24,8	100040058N

CW siehe Schneidplatten
CW see inserts

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers. Bitte separat bestellen!
Wrench P39L is not combined with toolholder - separate order required!



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH100.2608.71R	25	50	26	7,9	110	-	26	7,15	21,4	100010058N
RH100.2608.93R	25	50	26	8	115	40	26	6,85	21,4	100030058N
RH100.3208.71R	25	50	32	7,9	112	43	32	7,15	24,8	100010058N
RH100.3208.72R	25	50	32	7,9	112	43	32	6,95	24,8	100020058N
RH100.3208.93R	32,5	65	32	8	115	42	32	6,85	24,8	100030058N
LH100.2608.71L	25	42	26	7,9	110	-	26	7,15	21,4	100010058N
LH100.2608.93L	25	50	26	8	115	40	26	6,85	21,4	100030058N
LH100.3208.72L	25	50	32	7,9	112	43	32	6,95	24,8	100020058N
LH100.3208.93L	32,5	65	32	8	115	42	32	6,85	24,8	100030058N

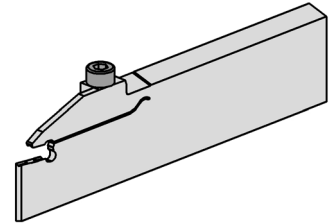
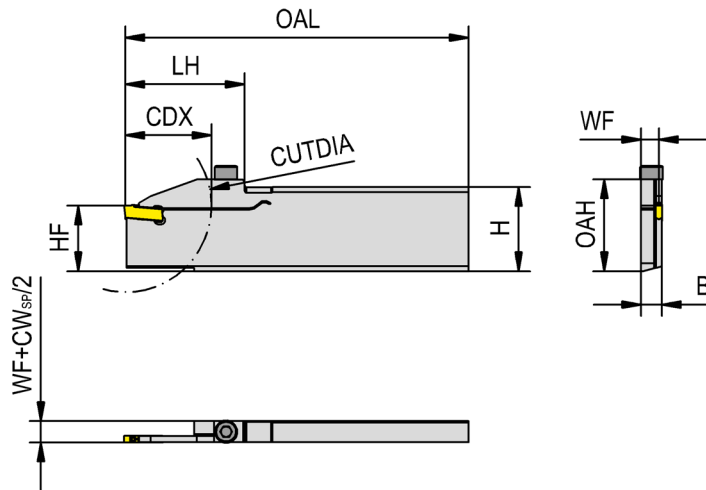
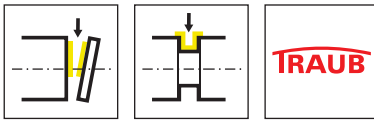
CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100...	4.15T15P	T15PQ
R/LH100...93R/L	030.0413.T15P	T15PQ

A1



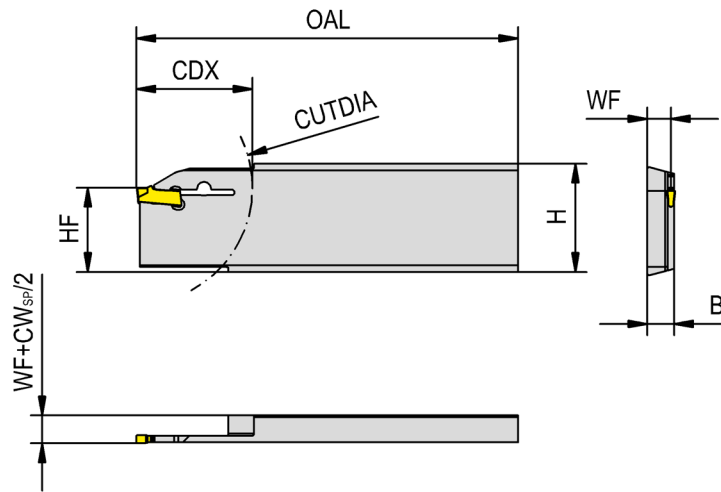
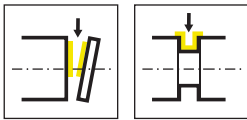
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH100.3280.73R	33	65	32	7,9	130	-	34,7	6,8	24,8	100030058N
RH100.3280.74R	33	65	32	7,9	130	45,5	34,7	6,4	24,8	100040058N
LH100.3280.73L	33	65	32	7,9	130	45,5	34,7	6,8	24,8	100030058N
LH100.3280.74L	33	65	32	7,9	130	45,5	34,7	6,4	24,8	100040058N

für TRAUB-Maschinen (TNX65)
for machines TRAUB (TNX65)

CW siehe Schneidplatten
CW see inserts



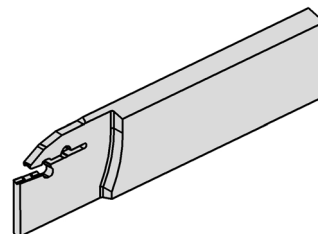
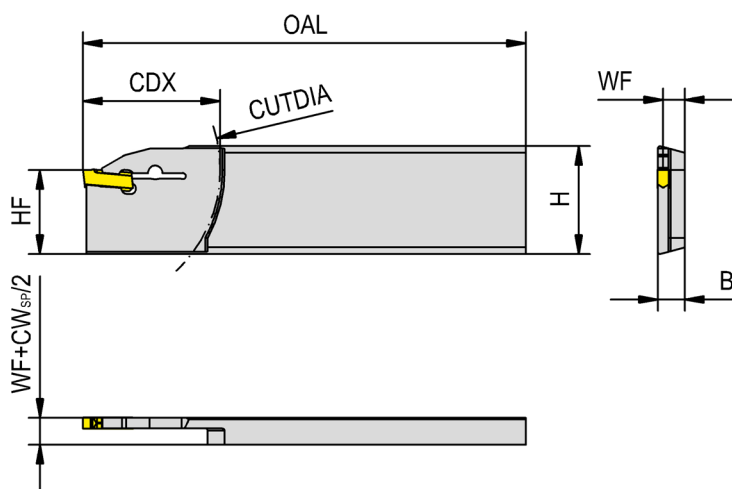
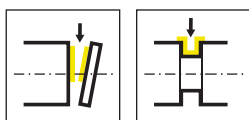
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	OAH	WF	HF	Trennstelle W Interface W
RH100.2608.31R	21	42	26	7,9	110	26	7,15	21,4	100010058N
RH100.2608.33R	25	50	26	7,9	110	26	6,75	21,4	100030058N
RH100.3208.33R	34	68	32	7,9	112	32	6,75	24,8	100030058N
RH100.3208.34R	34	68	32	7,9	112	32	6,35	24,8	100040058N
LH100.2608.33L	25	50	26	7,9	110	26	6,75	21,4	100030058N
LH100.3208.33L	34	68	32	7,9	112	32	6,75	24,8	100030058N

CW siehe Schneidplatten
CW see inserts

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers. Bitte separat bestellen!
Wrench P39L is not combined with toolholder - separate order required!



R = Rechtsausführung

R = right hand version

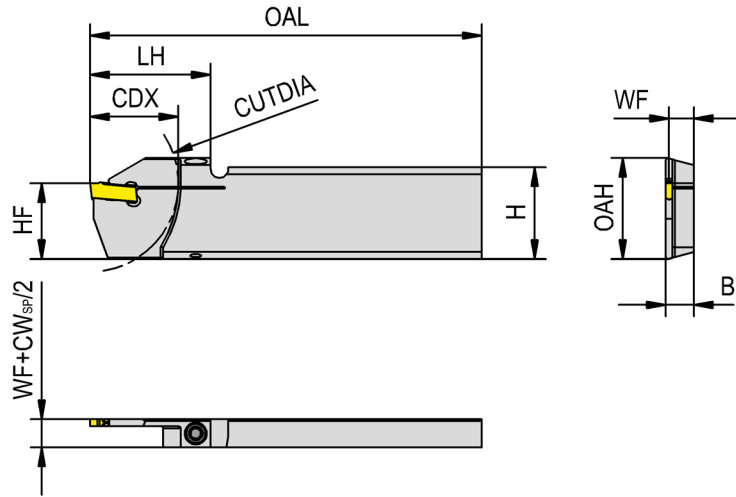
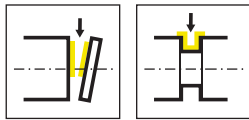
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	OAH	WF	HF	Trennstelle W Interface W
RH100.3208.2.44	41	80	32	7,9	160	32	6,35	24,8	100040058N
RH100.3208.44	41	80	32	7,9	130	32	6,35	24,8	100040058N

CW siehe Schneidplatten

CW see inserts

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers. Bitte separat bestellen!

Wrench P39L is not combined with toolholder - separate order required!



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

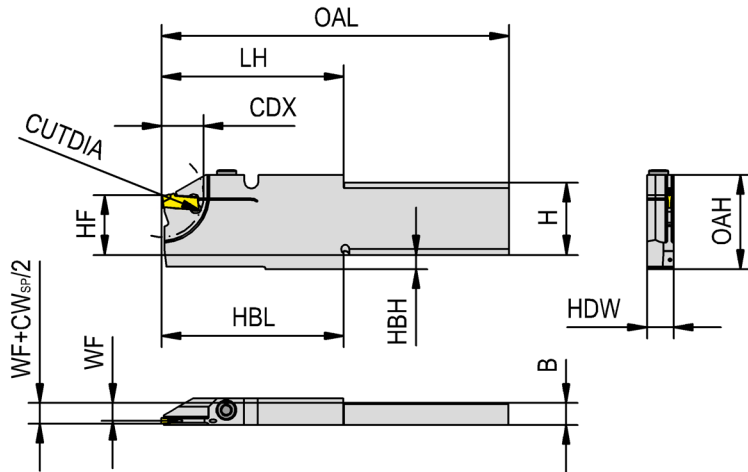
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH100.2608.71	25	50	26	7,9	110	33,8	28,6	7,15	21,4	100010058N
RH100.2608.93	25	50	26	8	112	40	28,6	6,85	21,4	100030058N
RH100.3208.71	25	50	32	7,9	112	43	32	7,15	24,8	100010058N
RH100.3208.72	25	50	32	7,9	112	43	32	6,95	24,8	100020058N
RH100.3208.93	32,5	65	32	8	112	43	32	6,85	24,8	100030058N
LH100.2608.71	25	50	26	7,9	110	33,8	28,6	7,15	21,4	100010058N
LH100.2608.72	25	50	26	7,9	110	33,8	28,6	6,95	21,4	100020058N
LH100.2608.93	25	50	26	8	112	40	28,6	6,85	21,4	100030058N
LH100.3208.71	25	50	32	7,9	112	43	32	7,15	24,8	100010058N
LH100.3208.72	25	50	32	7,9	112	43	32	6,95	24,8	100020058N
LH100.3208.93	32,5	65	32	8	112	43	32	6,85	24,8	100030058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100...	4.15T15P	T15PQ
R/LH100...93	030.0413.T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH100.2608.2.16.4.72.IK	16	32	26	7,9	124	-	65	33,6	9,5	5	0,2	21,4	100010058N
RH100.2608.2.16.4.72R.IK	16	32	26	7,9	124	65	65	33,6	9,5	4	6,4	21,4	100010058N
RH100.2608.2.21.4.73.IK	21	42	26	7,9	124	65	65	33,6	9,5	5	0,2	21,4	100030058N
RH100.2608.2.21.4.73R.IK	21	42	26	7,9	124	65	65	33,6	9,5	4	0,2	21,4	100030058N

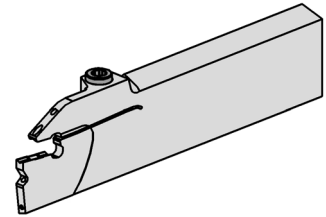
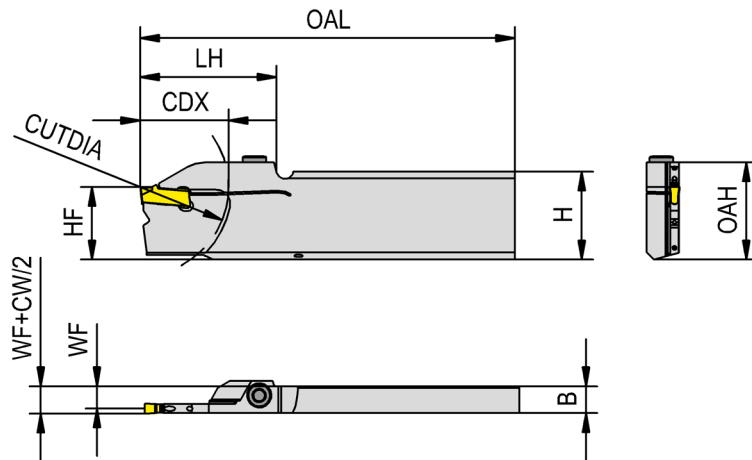
für DMG MORI (Multisprint)
for machines DMG MORI (Multisprint)

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RH100...	5.13T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH100.2608.26.4.73.IK	26	52	26	7,9	110	40	28,5	6,1	21,4	100030058N
RH100.2608.26.4.73R.IK	26	52	26	7,9	110	40	28,5	6,1	21,4	100030058N
RH100.3208.34.4.73.IK	34	68	32	7,9	110	48	35,2	6,1	24,8	100030058N
RH100.3208.34.4.73R.IK	34	68	32	7,9	110	48	35,2	6,1	24,8	100030058N
LH100.2608.26.4.73.IK	26	52	26	7,9	110	40	28,5	6,1	21,4	100030058N
LH100.2608.26.4.73L.IK	26	52	26	7,9	110	40	28,5	6,1	21,4	100030058N
LH100.3208.34.4.73.IK	34	68	32	7,9	110	48	35,2	6,1	24,8	100030058N
LH100.3208.34.4.73L.IK	34	68	32	7,9	110	48	35,2	6,1	24,8	100030058N

für TRAUB- und INDEX-Maschinen
for machines TRAUB and INDEX

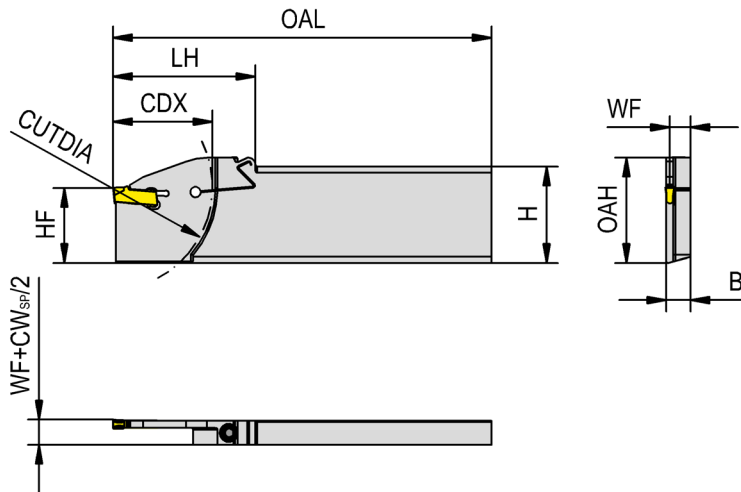
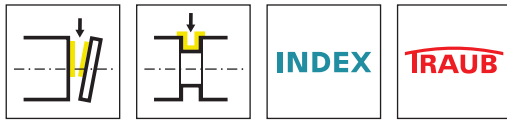
CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100...	5.13T20P	T20PQ

A1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH100.3208.83	33,5	65	32	8	125	47	32	6,85	24,8	100030058N
LH100.3208.15.83	33,5	65	32	8	150	50	34,8	6,85	24,8	100030058N
LH100.3208.83	33,5	65	32	8	125	47	32	6,85	24,8	100030058N

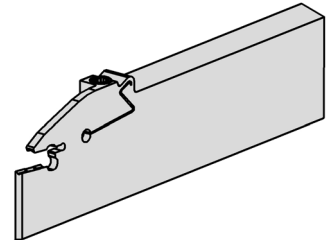
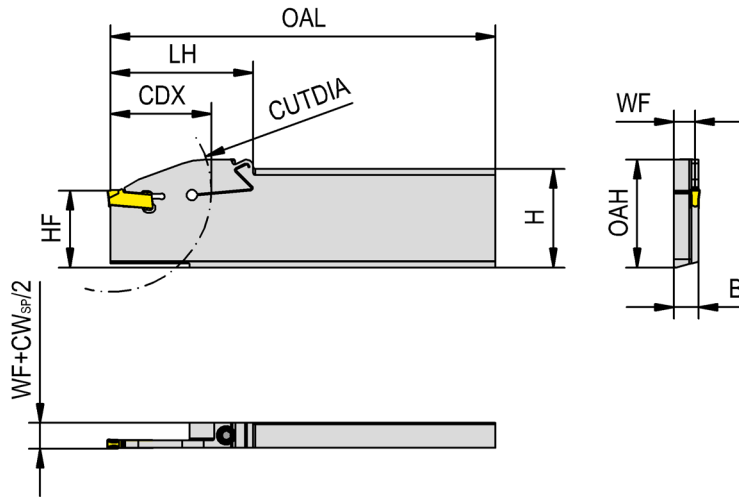
für TRAUB- und INDEX-Maschinen
for machines TRAUB and INDEX

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH100...	030.505P.0718	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH100.3208.84N	41	80	32	8	134	54,5	34,8	4	24,8	100040058N
RH100.3208.84R	33,5	65	32	8	125	47	34,8	6	24,8	100040058N
LH100.3208.83L	33,5	65	32	8	125	47	34,8	6,85	24,8	100030058N
LH100.3208.84L	33,5	65	32	8	125	47	34,8	6,5	24,8	100040058N
LH100.3208.84N	41	80	32	8	134	54,5	34,8	6,5	24,8	100040058N

für TRAUB- und INDEX-Maschinen
for machines TRAUB and INDEX

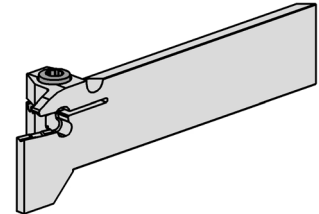
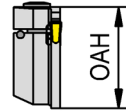
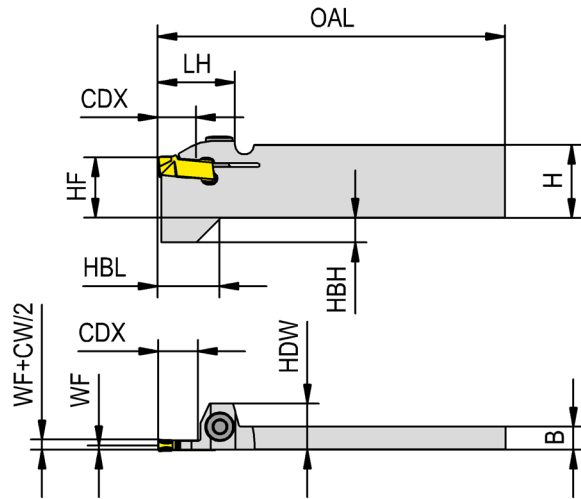
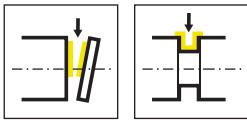
CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LH100...	030.505P.0718	T15PQ

A1



L = links wie gezeichnet
L = left hand version shown

Artikelnummer Part number	CDX	H	B	OAL	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
LH100.1908.R.13	10	19	6	90	16	26,2	6,3	1,15	15,7	100030058N

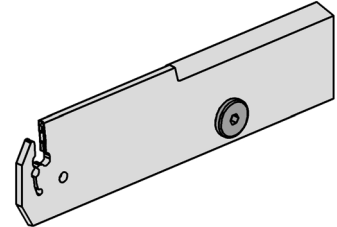
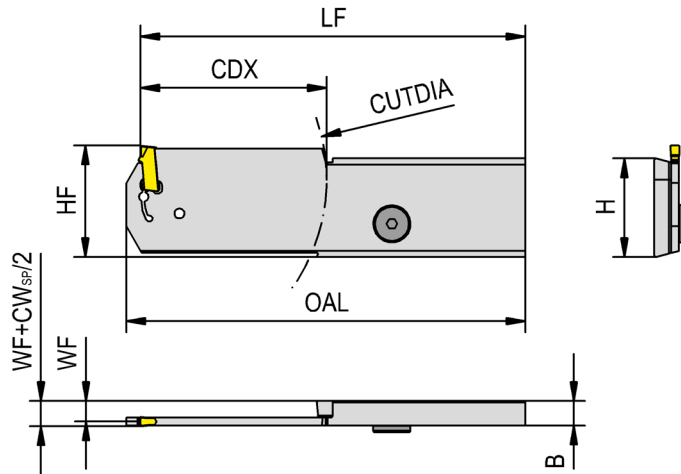
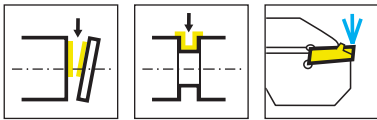
für REIKA Maschinen
for machines REIKA

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LH100.1908.R.13	5.17T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LF	WF	HF	Trennstelle W Interface W
RH100.3208.Y.60.3.83.IK	60	120	32	7,9	128,5	124	6,63	36	100030059N
RH100.3208.Y.60.3.84.IK	60	120	32	7,9	128,5	124	6,33	36	100040059N
LH100.3208.Y.60.3.83.IK	60	120	32	7,9	128,5	124	6,63	36	100030059N
LH100.3208.Y.60.3.84.IK	60	120	32	7,9	128,5	124	6,33	36	100040059N

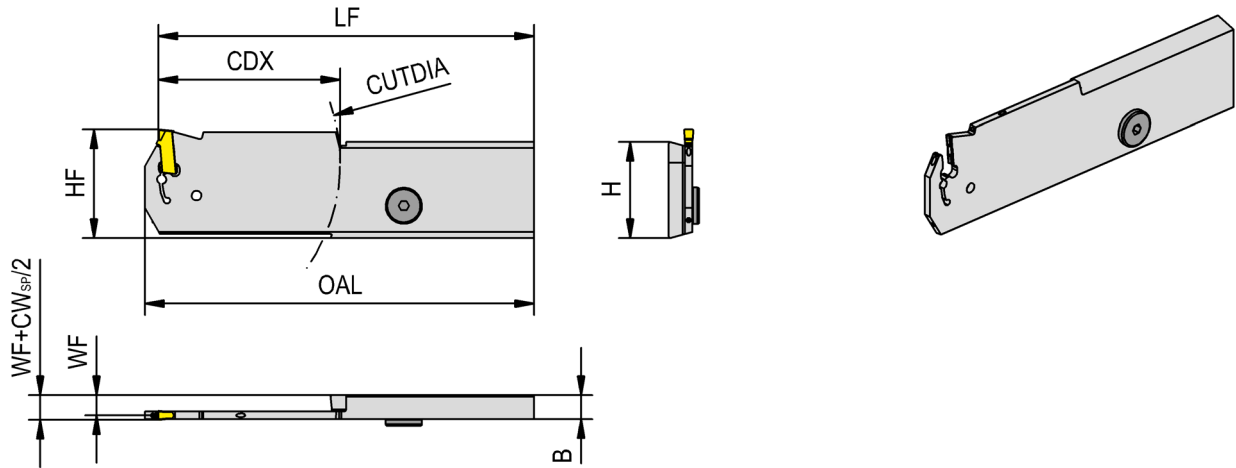
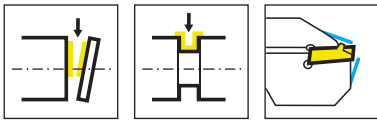
CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	IK-Verschluss Coolant plug
R/LH100...	020.IK01.5732

A1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LF	WF	HF	Trennstelle W Interface W
RH100.3208.Y.60.4.83.IK	60	120	32	7,9	128,5	124	6,65	36	100030058N
RH100.3208.Y.60.4.84.IK	60	120	32	7,9	128,5	124	6,35	36	100040058N
LH100.3208.Y.60.4.83.IK	60	120	32	7,9	128,5	124	6,65	36	100030058N
LH100.3208.Y.60.4.84.IK	60	120	32	7,9	128,5	124	6,35	36	100040058N

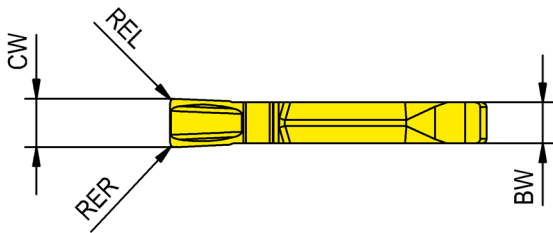
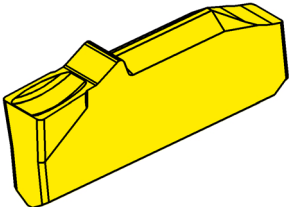
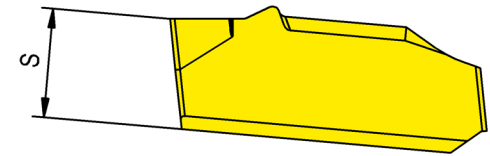
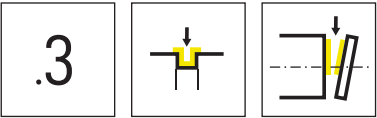
CW siehe Schneidplatten
CW see inserts

Der Schlüssel **P101.02** gehört nicht zum Lieferumfang des Halters. Bitte separat bestellen!
Wrench P101.02 is not combined with slotting cutter - separate order required!

Ersatzteile

Spare Parts

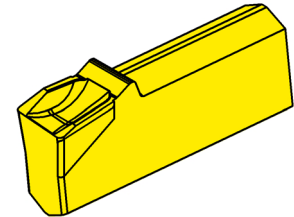
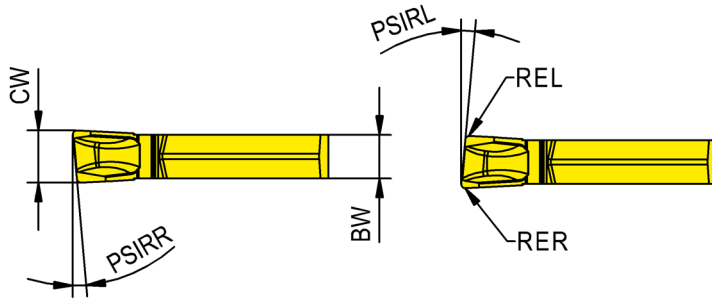
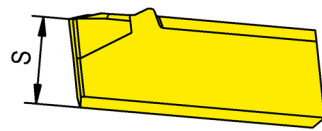
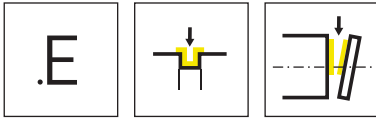
Klemmhalter Toolholder	IK-Verschluss Coolant plug
R/LH100...	020.IK01.5732



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	BW	S	Trennstelle M Interface M		AS45	IG65
S100.0120.315	1,2	0,15	0,15	1	3,6	100220058N		▲	▲
S100.0140.315	1,4	0,15	0,15	1,2	3,6	100240058N		▲	▲
S100.0160.315	1,6	0,15	0,15	1,35	3,6	100260058N		▲	▲
							P	●	●
							M	●	●
							K	-	-
							N	-	-
							S	-	o
							H	-	-

A1



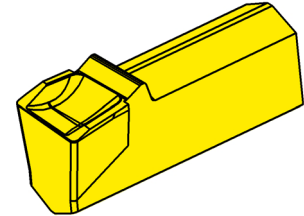
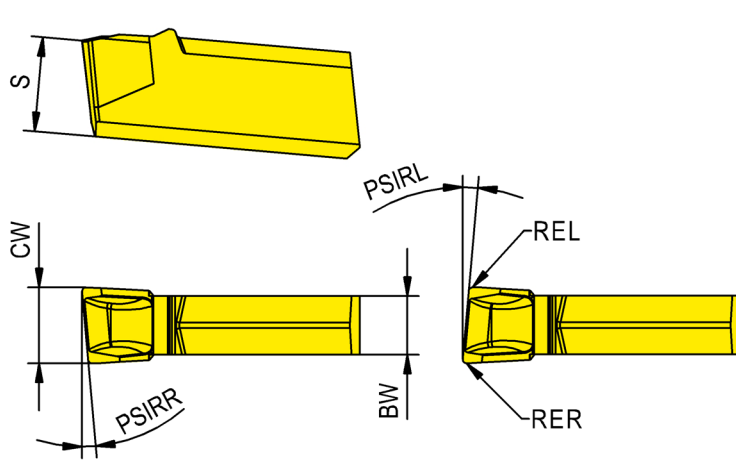
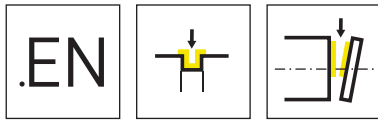
R = Rechtsausführung
R = right hand version

L = Linksausführung
L = left hand version

Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	PSIRL	PSIRR	BW	S	Trennstelle M Interface M	ALX3	AS63	AS66	TC93	TF42	TF43	TF45	TF46
RS100.0530.E2	3	0,2	0,2	-	5°	2,5	5	100030058N	▲				▲	▲	▲	▲
RS100.0540.E2	4,03	0,2	0,2	-	5°	3,1	5	100040058N						▲	▲	▲
LS100.0530.E2	3	0,2	0,2	5°	-	2,5	5	100030058N	▲					▲	▲	▲
LS100.0540.E2	4,03	0,2	0,2	5°	-	3,1	5	100040058N						▲	▲	▲
S100.0200.E2	2,03	0,2	0,2	-	-	1,5	4,5	100010058N	▲					▲	▲	▲
S100.0300.E2	3,03	0,2	0,2	-	-	2,5	5	100030058N	▲	▲	▲	▲		▲	▲	▲
S100.0400.E3	4,03	0,3	0,3	-	-	3,1	5	100040058N	▲					▲	▲	▲
S100.0500.E3	5,03	0,3	0,3	-	-	3,9	5,3	100050058N						▲	▲	▲
P	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●
M	-	o	o	-	o	o	o	o	-	o	o	o	o	o	o	o
K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



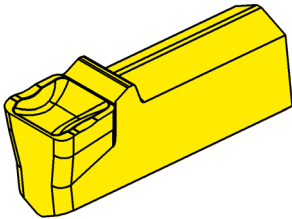
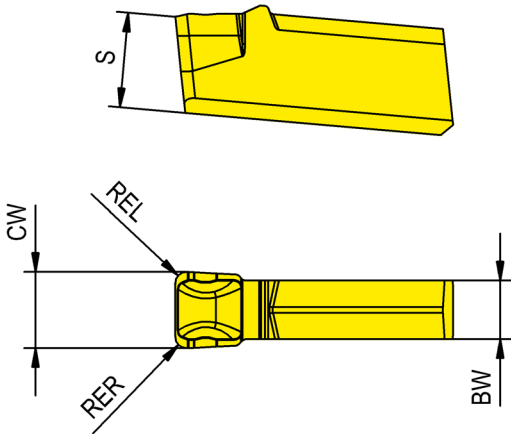
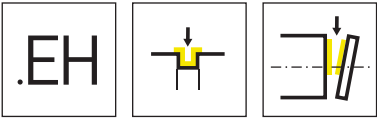
R = Rechtsausführung
R = right hand version

L = Linksausführung
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

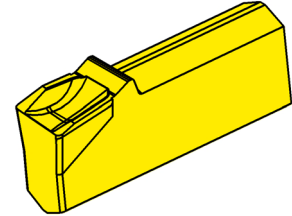
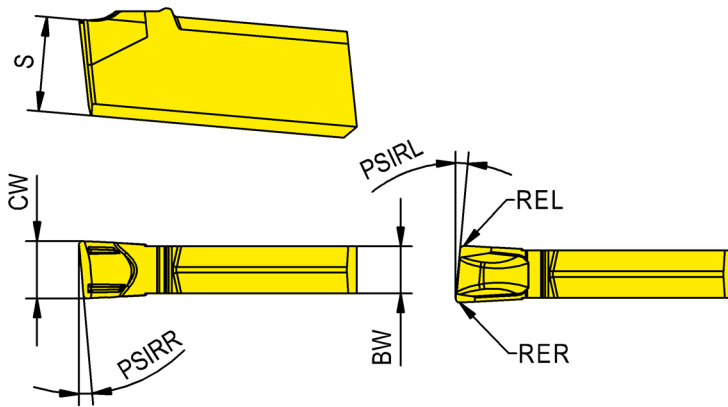
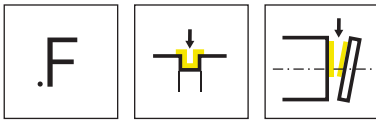
Artikelnummer Part number	CW	REL	RER	PSIRL	PSIRR	BW	S	Trennstelle M Interface M	ALX3	AS62	AS63	AS66	AS6G
RS100.0530.EN2	3,01	0,2	0,2	-	5°	2,5	5	100030058N		▲		▲	
RS100.0540.EN2	4,03	0,2	0,2	-	5°	3,1	5	100040058N	▲				
LS100.0540.EN2	4,03	0,2	0,2	5°	-	3,1	5	100040058N	▲				
S100.0200.EN2	2,03	0,2	0,2	-	-	1,5	4,5	100010058N	▲				▲
S100.0220.EN2	2,23	0,2	0,2	-	-	1,7	4,5	100010058N					▲
S100.0250.EN2	2,53	0,2	0,2	-	-	1,9	4,5	100020058N					▲
S100.0300.EN2	3,03	0,2	0,2	-	-	2,5	5	100030058N	▲		▲	▲	▲
S100.0400.EN3	4,03	0,3	0,3	-	-	3,1	5	100040058N	▲		▲		▲
S100.0500.EN3	5,03	0,3	0,3	-	-	3,9	5	100050058N	▲				▲
S100.0600.EN6	6,03	0,6	0,6	-	-	4,7	5,3	100060058N					▲
S100.0800.EN8	8	0,8	0,8	-	-	6,5	8	100080058N					▲
S100.1000.EN8	10	0,8	0,8	-	-	8	9	100100058N					▲
S100.1200.EN8	12,01	0,8	0,8	-	-	9,6	9	100120058N					▲
S100.1600.EN8	16	0,8	0,8	-	-	12	11	100160058N					▲
P									●	●	●	●	●
M									-	-	-	-	-
K									-	-	-	-	-
N									-	-	-	-	-
S									-	-	-	-	-
H									-	-	-	-	-

A1



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	BW	S	Trennstelle M Interface M	IG6G
S100.0300.EH4	3,03	0,4	0,4	2,5	5	100030058N	▲
S100.0400.EH6	4,03	0,6	0,6	3,1	5	100040058N	▲
							P ●
							M -
							K -
							N -
							S -
							H -



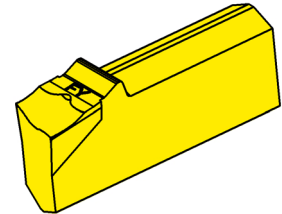
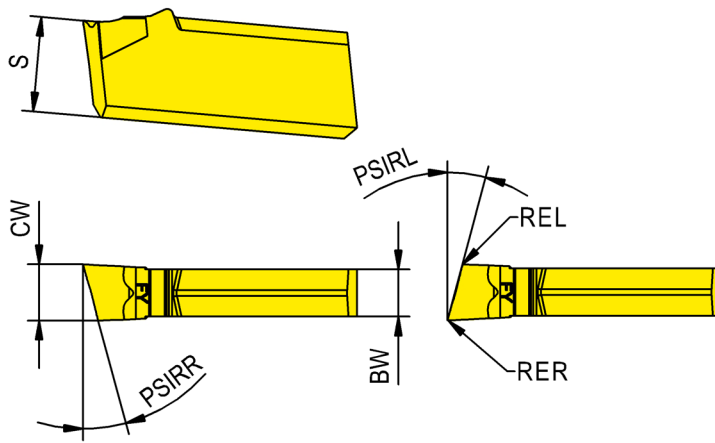
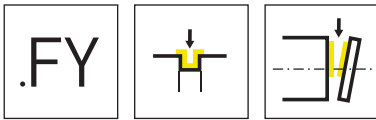
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	PSIRL	PSIRR	BW	S	Trennstelle M Interface M	TF43	TF45	TF46
RS100.0520.F2	2,03	0,2	0,2	-	5°	1,5	4,5	100010058N		▲	
RS100.0525.F2	2,53	0,2	0,2	-	5°	1,9	4,5	100020058N		▲	
RS100.0530.F2	3,03	0,2	0,2	-	5°	2,5	5	100030058N	▲	▲	▲
RS100.0540.F2	3,98	0,2	0,2	-	5°	3,1	5	100040058N		▲	
LS100.0530.F2	3,03	0,2	0,2	5°	-	2,5	5	100030058N		▲	
LS100.0540.F2	3,98	0,2	0,2	5°	-	3,1	5	100040058N		▲	
S100.0250.F2	2,53	0,2	0,2	-	-	1,9	4,5	100020058N		▲	
S100.0300.F2	3,03	0,2	0,2	-	-	2,5	4,5	100030058N	▲	▲	▲
S100.0400.F3	4,03	0,3	0,3	-	-	3,1	5	100040058N	▲	▲	
S100.0500.F3	5,03	0,3	0,3	-	-	3,9	5,3	100050058N	Δ	▲	Δ
									P	o	o
									M	•	•
									K	-	-
									N	-	-
									S	-	-
									H	-	-

A1

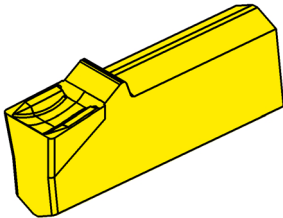
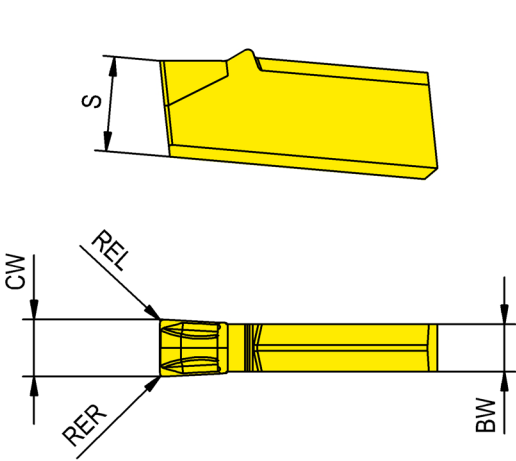
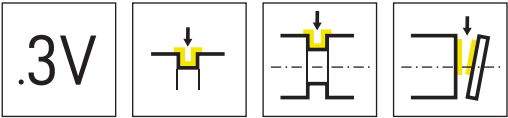


R = Rechtsausführung
R = right hand version

L = Linksausführung
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

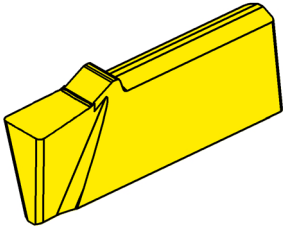
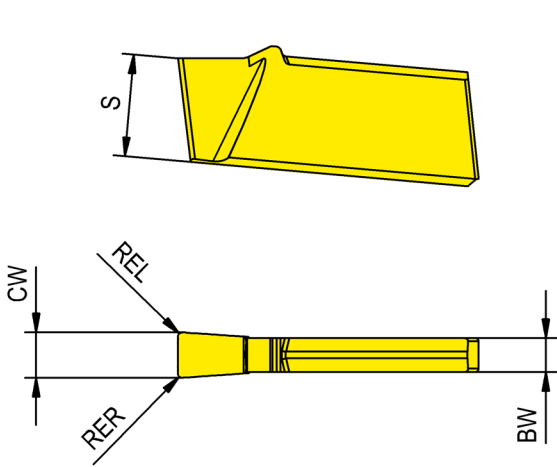
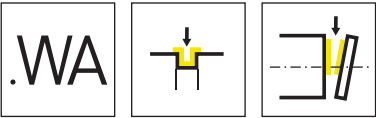
Artikelnummer Part number	CW	REL	RER	PSIRL	PSIRR	BW	S	Trennstelle M Interface M		AS45	HP65	IG35	T125
RS100.1520.FY0	2	-	-	-	15°	1,5	4,5	100010058N		▲		▲	
RS100.1530.FY0	3,03	-	-	-	15°	2,5	5	100030058N		▲		▲	
LS100.1520.FY0	2	-	-	15°	-	1,5	4,5	100010058N		▲		▲	
LS100.1530.FY0	3,03	-	-	15°	-	2,5	5	100030058N		▲		▲	
S100.0200.FY2	2,03	0,2	0,2	-	-	1,5	4,5	100010058N			▲	▲	▲
S100.0220.FY2	2,23	0,2	0,2	-	-	1,7	4,5	100010058N				▲	▲
S100.0250.FY2	2,53	0,2	0,2	-	-	1,9	4,5	100020058N			▲	▲	▲
S100.0300.FY2	3,03	0,2	0,2	-	-	2,5	5	100030058N			▲	▲	▲
S100.0400.FY3	4,03	0,3	0,3	-	-	3,1	5	100040058N			▲	▲	▲
									P	o	o	o	o
									M	•	•	•	•
									K	-	-	-	-
									N	-	-	-	-
									S	-	o	o	-
									H	-	-	-	-



Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

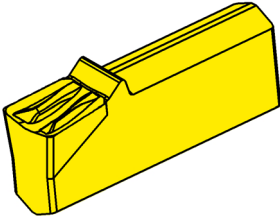
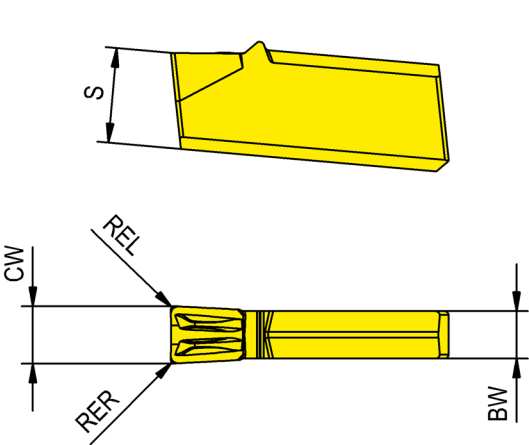
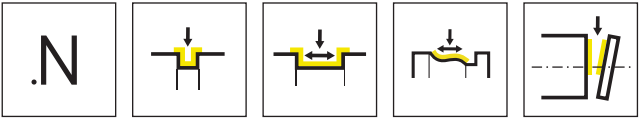
Artikelnummer Part number	CW	REL	RER	BW	S	Trennstelle M Interface M		AS45	HP65	IG35	IG65	IG66
S100.0200.3V2	2,03	0,2	0,2	1,5	4,5	100010058N		▲	▲	▲	▲	
S100.0250.3V2	2,53	0,2	0,2	1,9	4,5	100020058N		▲	▲	▲	▲	
S100.0300.3V2	3,03	0,2	0,2	2,5	5	100030058N		▲	▲	▲	▲	▲
S100.0400.3V3	4,03	0,3	0,3	3,1	5	100040058N		▲	▲	▲	▲	
							P	o	o	o	o	o
							M	•	•	•	•	•
							K	-	-	-	-	-
							N	-	-	-	-	-
							S	-	-	-	-	-
							H	-	-	-	-	-

A1



Sorten
Grades
▲ ab Lager
▲ on stock
Δ 4 Wochen
Δ 4 weeks

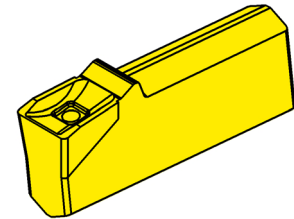
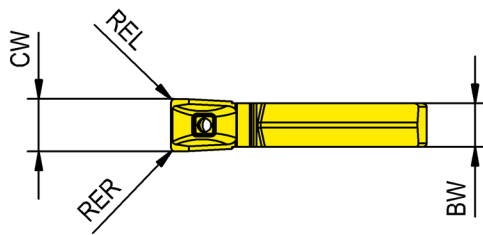
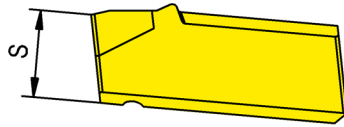
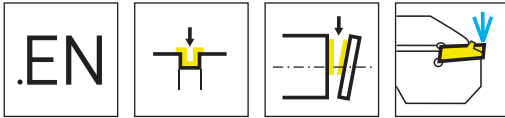
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S100.0300.WA2	3	0,2	0,2	2,5	5	100030058N		▲	▲
							P	-	-
							M	o	-
							K	-	-
							N	-	●
							S	o	-
							H	-	-



Sorten
Grades
▲ ab Lager
▲ on stock
Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	BW	S	Trennstelle M Interface M		AS45	HP65
S100.0300.N2	3,03	0,2	0,2	2,5	5	100030058N		▲	▲
S100.0400.N3	4,03	0,2	0,2	3,1	5	100040058N		▲	▲
							P	●	●
							M	●	●
							K	-	-
							N	-	-
							S	-	o
							H	-	-

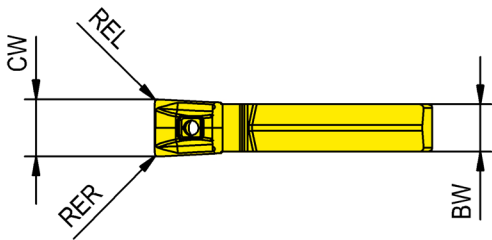
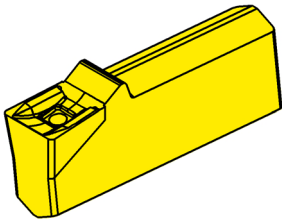
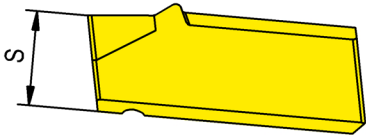
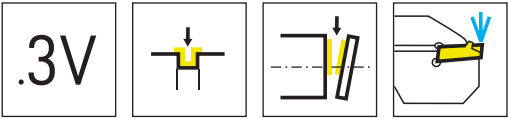
A1



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	BW	S	Trennstelle M Interface M		AS45	EG55	HP65
S100.0250.EN2.IK	2,53	0,2	0,2	1,9	4,5	100020059N		▲	Δ	▲
S100.0300.EN2.IK	3,03	0,2	0,2	2,5	5	100030059N		▲	▲	▲
S100.0400.EN3.IK	4,03	0,3	0,3	3,1	5	100040059N		▲	▲	▲
							P	●	●	●
							M	-	-	-
							K	-	-	-
							N	-	-	-
							S	-	-	-
							H	-	-	-



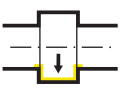
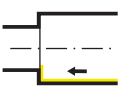
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	BW	s	Trennstelle M Interface M		HP65	IG35
S100.0250.3V2.IK	2,53	0,2	0,2	1,9	4,5	100020059N		▲	▲
S100.0300.3V2.IK	3,03	0,2	0,2	2,5	5	100030059N		▲	▲
							P	o	o
							M	•	•
							K	-	-
							N	-	-
							S	-	-
							H	-	-

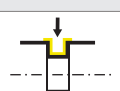
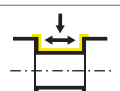
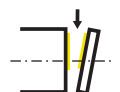
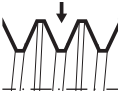
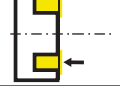
A2

Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 25	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,2-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						
														

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 7,5	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,2-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
	•	•			•		•	•						
							•	•	•					

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A2



Klemmhalter und Schneidplatten

Formbreite 6 - 45 mm

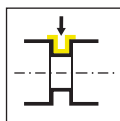
Toolholder and Inserts

Width of profile 6 - 45 mm

Inhaltsangabe

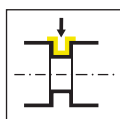
Summary

Klemmhalter
Toolholder
H117

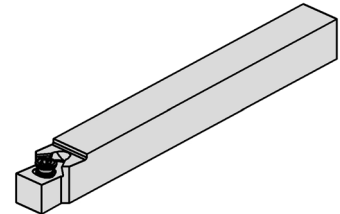
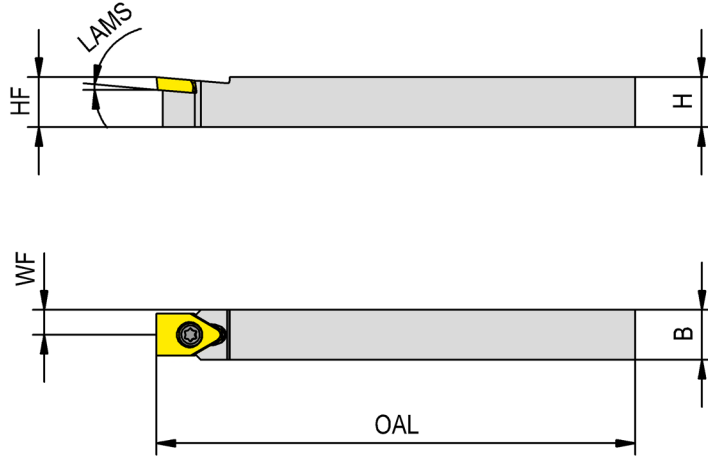
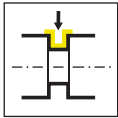


Seite/Page
85-86, 88, 90, 92-93

Schneidplatte
Insert
S117



Seite/Page
87, 89, 91

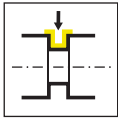


A2

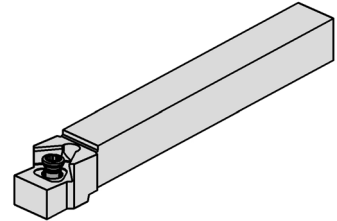
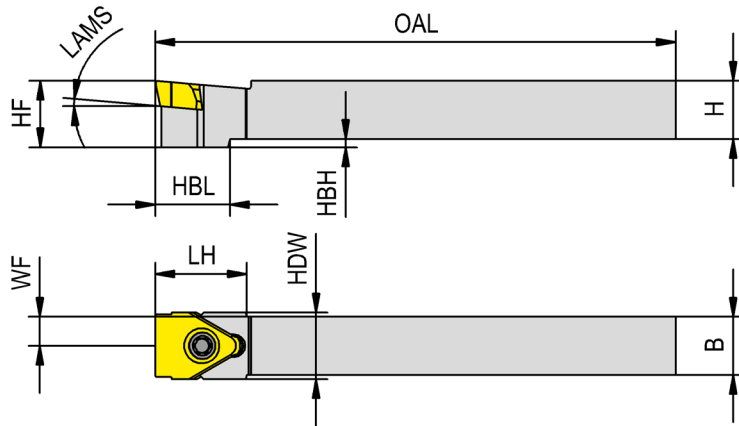
Artikelnummer Part number	H	B	OAL	WF	LAMS	HF	Trennstelle W Interface W
H117.1010.10	10	10	100	5	5	10	117101050N
H117.1212.10	12	12	125	6	5	12	117101050N
H117.1616.10	16	16	125	8	5	16	117101050N
H117.1212.12	12	12	125	6	5	12	117121050N
H117.1414.12	14	14	125	7	5	14	117121050N
H117.1612.12	16	12	125	6	5	16	117121050N
H117.1616.12	16	16	125	8	5	16	117121050N
H117.2020.12	20	20	150	10	5	20	117121050N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
H117.1010.10	030.400P.0227	T15PQ
H117...	4.09T15P	T15PQ



A2

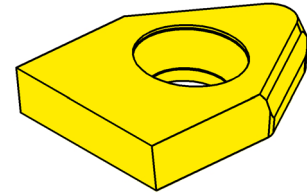
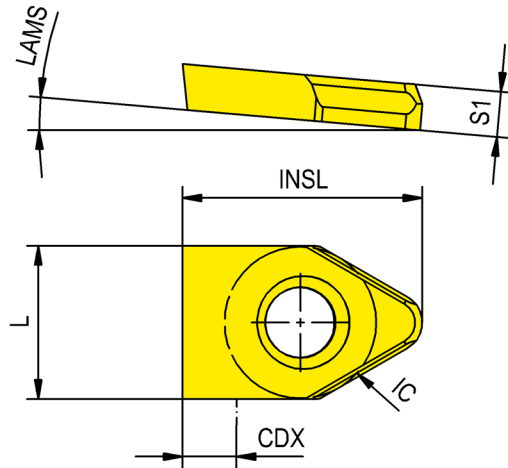
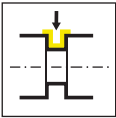


Artikelnummer Part number	H	B	OAL	LH	HBL	HDW	HBH	WF	LAMS	HF	Trennstelle W Interface W
H117.1414.16	14	14	125	22	18	16	2	7	5	14	117161050N
H117.1616.16	16	16	125	11	-	-	-	8	5	16	117161050N
H117.2020.16	20	20	150	11	-	-	-	10	5	20	117161050N
H117.2525.16	25	25	150	10	-	-	-	12,5	5	25	117161050N
H117.1616.20	16	16	125	30	23	20	4	8	5	16	117201050N
H117.2020.20	20	20	150	15,5	-	-	-	10	5	20	117201050N
H117.2525.20	25	25	150	15,7	-	-	-	12,5	5	25	117201050N
H117.2020.26	20	20	150	30,2	-	25	-	10	5	20	117261050N
H117.2525.26	25	25	150	14,1	-	-	-	12,5	5	25	117261050N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
H117...16	5.12T20P	T20PQ
H117...	6.17T20P	T20PQ

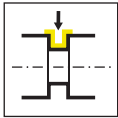


A2

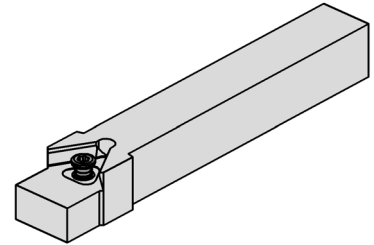
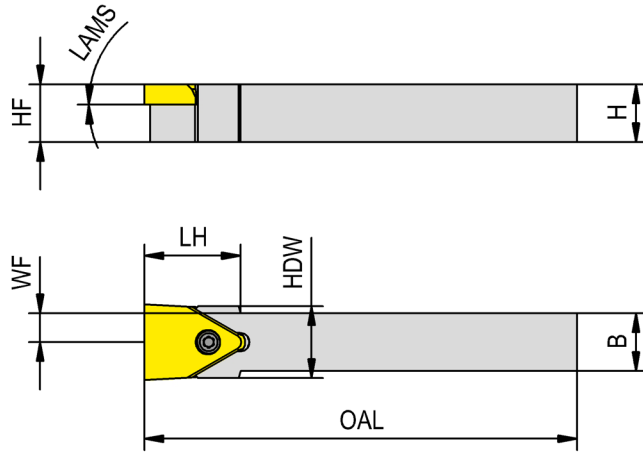
Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	L	CDX	LAMS	INSL	S1	IC	Trennstelle M Interface M	MG12
S117.0010.00	10,1	3,5	5	16	3	10	117101050N	▲
S117.0012.00	12,08	4,5	5	17	4,5	10	117121050N	▲
S117.0014.00	14,15	6	5	20,7	6	13	117161050N	▲
S117.0016.00	16,12	6	5	20,7	6	13	117161050N	▲
S117.0018.00	18,2	9	5	28,6	7	17	117201050N	▲
S117.0020.00	21,16	9	5	28,6	7	17	117201050N	▲
S117.0026.00	26,16	10	5	31,6	7	17	117261050N	▲
							P	●
							M	o
							K	-
							N	-
							S	-
							H	-



A2

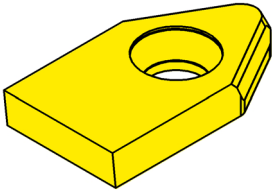
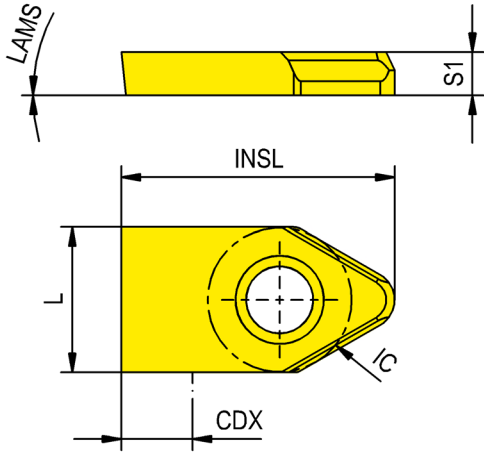
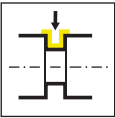


Artikelnummer Part number	H	B	OAL	LH	HL	HDW	HBH	WF	HF	Trennstelle W Interface W
H117.1010.02.10	10	10	100	12,3	-	-	-	5	10	117101000N
H117.1212.02.10	12	12	125	12	-	-	-	6	12	117101000N
H117.1616.02.10	16	16	125	12	-	-	-	8	16	117101000N
H117.1212.02.12	12	12	125	11,5	-	-	-	6	12	117121000N
H117.1616.02.12	16	16	125	11	-	-	-	8	16	117121000N
H117.2020.02.12	20	20	150	11	-	-	-	10	20	117121000N
H117.1616.02.16	16	16	125	13,9	-	-	-	8	16	117161000N
H117.2020.02.16	20	20	150	14	-	-	-	10	20	117161000N
H117.1616.02.20	16	16	125	33	26	20	4	8	16	117201000N
H117.2020.02.20	20	20	150	18,4	-	-	-	10	20	117201000N
H117.2525.02.20	25	25	150	19	-	-	-	12,5	25	117201000N
H117.2020.02.26	20	20	150	33	-	25	-	10	20	117261000N
H117.2525.02.26	25	25	150	17,6	-	-	-	12,5	25	117261000N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
H117...10/12	4.09T15P	T15PQ
H117...16	5.12T20P	T20PQ
H117...20/26	6.17T20P	T20PQ



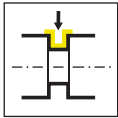
A2

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

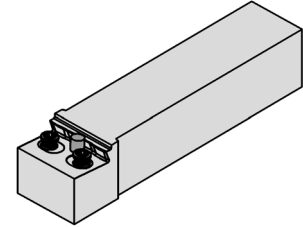
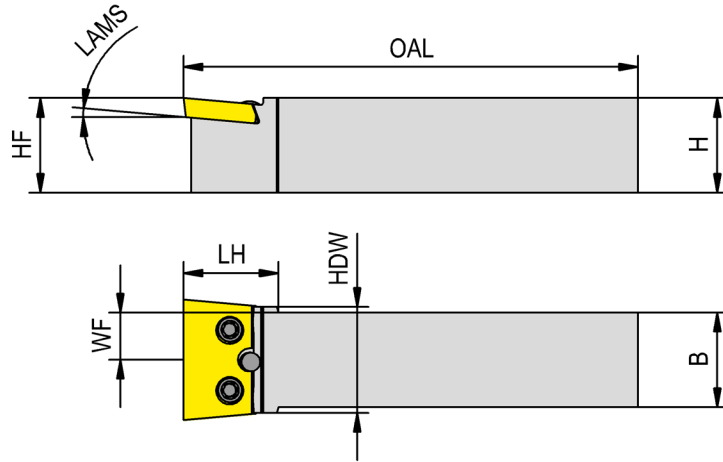
Artikelnummer Part number	L	CDX	INSL	S1	IC	Trennstelle M Interface M	MG12
S117.0010.02.00	10,1	6,5	19	3	10	117101000N	▲
S117.0012.02.00	12,4	7,5	20	4,5	10	117121000N	▲
S117.0016.02.00	16,4	9	23,7	6	13	117161000N	▲
S117.0020.02.00	21,5	12	31,6	7	17	117201000N	▲
S117.0026.02.00	26,5	13	34,6	7	17	117261000N	▲
							P ●
							M o
							K -
							N -
							S -
							H -

Profilierte Schneidplatten auf Anfrage
Profile insert upon request





A2

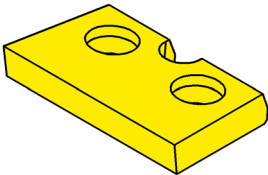
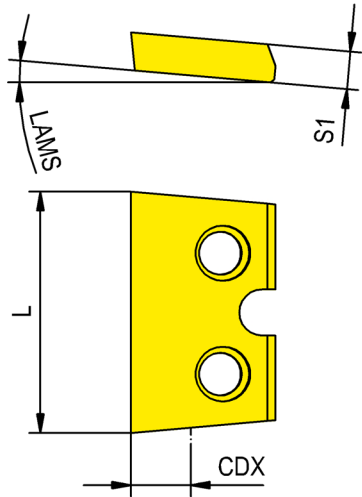
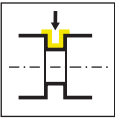


Artikelnummer Part number	H	B	OAL	LH	HDW	WF	LAMS	HF	Trennstelle W Interface W
H117.2020.32	20	20	150	25	28	10	5	20	117321050N
H117.2525.32	25	25	150	25	28	12,5	5	25	117321050N
H117.2525.45	25	25	150	27	42	12,5	5	25	117451050N
H117.3232.45	32	32	170	27	42	16	5	32	117451050N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
H117...	5.12T20P	T20PQ

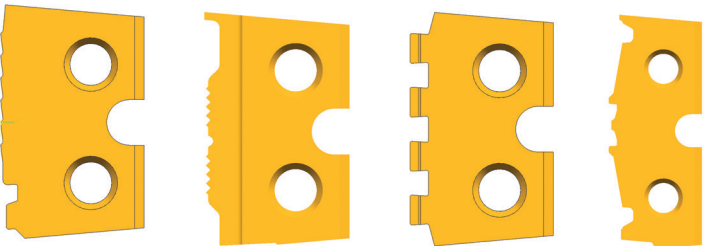


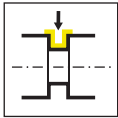
A2

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

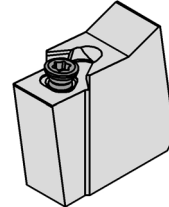
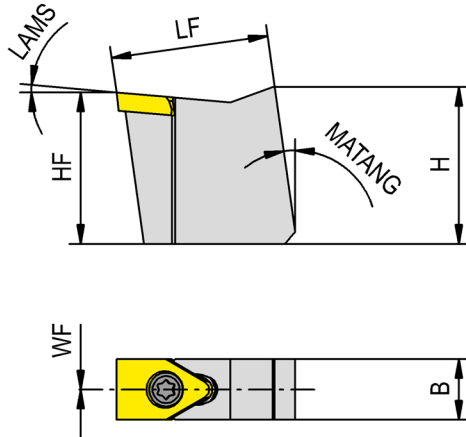
Artikelnummer Part number	L	CDX	LAMS	S1	Trennstelle M Interface M	MG12
S117.0032.00	31,83	6,5	5	5	117321050N	▲
S117.0045.00	45	6,5	5	5	117451050N	▲
						P ●
						M o
						K -
						N -
						S -
						H -

Profilierte Schneidplatten auf Anfrage
Profile insert upon request





A2

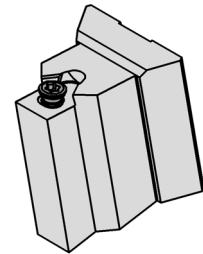
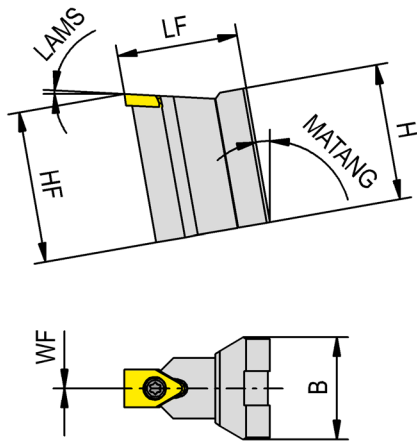
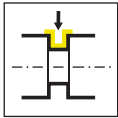


Artikelnummer Part number	H	B	LF	WF	MATANG	HF	Trennstelle W Interface W
H117.PWP.10	26	10	26	-	8°	25	117101050N
H117.PWP.12	26	12	26	-	8°	25	117121050N
H117.PWP.16	26	16	26	-	8°	25	117161050N
H117.PWP.32	26	28	26	0,55	8°	25	117321050N
H117.PWP.45	26	42	26	0,55	8°	25	117451050N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
H117.PWP.10	4.09T15P	T15PL
H117.PWP.12	4.09T15P	T15PQ
H117.PWP...	5.12T20P	T20PQ



A2

Artikelnummer Part number	H	B	LF	WF	MATANG	HF	Trennstelle W Interface W
H117.AW28.16	36	28	32	-	8°	40	117161050N
H117.AW28.20	36	28	32	-	8°	40	117201050N
H117.AW28.26	36	28	35	-	8°	40	117261050N
H117.AW28.32	36	28	32	0,55	8°	40	117321050N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
H117.AW28...16/...32	5.12T20P	T20PQ
H117.AW28...20/...26	6.17T20P	T20PQ

Schnellere Lieferzeiten für das System S117

Speziell für das Stechsystem S117 bietet HORN ab sofort die Möglichkeit zur Lieferung von Sonderausführungen innerhalb von fünf Werktagen. Hierzu hat HORN das bestehende Greenline-Verfahren nochmals optimiert, sodass der Anwender neben der profilierten Schneidplatte auch den passenden Werkzeugträger innerhalb der kurzen Zeit zur Verfügung hat. Dies gewährleistet auch bei komplexen Schneidplattenprofilen eine sichere Unterstützung durch den Werkzeughalter. Mit dem Greenline-Verfahren erhält der Kunde innerhalb von zwei Werktagen nach der Anfrage mit der Bauteilzeichnung das Angebot mit der Angebotszeichnung von Schneidplatte und Halter. Nach der Bestellung erhält der Kunde innerhalb von 48 Stunden die Zeichnung zur Genehmigung. Nach der Genehmigung liefert HORN die Sonderwerkzeuge innerhalb von fünf Werktagen aus. Das Greenline-Verfahren ist für Schneidplatten in den Stückzahlen 4 bis 20 Stück und für 1 bis 2 Werkzeughalter verfügbar.

HORN bietet die Werkzeuge in den Formbreiten 10, 12, 16, 20, 26, 32 und 45 mm an, die je nach Anwendungsfall in die gewünschte Sonderform präzisionsgeschliffen werden. Die maximale Formtiefe ist von der geforderten Schneidbreite abhängig. Die Werkzeugbeschichtung wird für jeden Anwendungsfall speziell ausgewählt und ist für die Materialgruppen P, M, K und N verfügbar. Die Quadratschafthalter sind standardmäßig in den Größen von 10 x 10 mm bis 32 x 32 mm erhältlich.

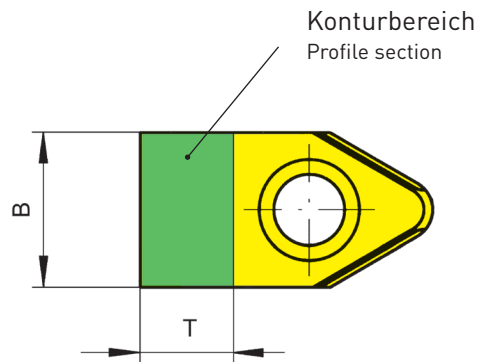
Faster delivery times for System S117

HORN is now offering the option of delivering special designs within five working days, especially for the S117 grooving system. To this end, HORN has once again optimised its existing Greenline system, so that the user not only has the profiled insert but also the appropriate tool carrier within a short timescale. It guarantees secure support by the toolholder of even the most complex insert profiles. With the Greenline system, after the customer submits an enquiry together with the component drawing, an offer with the quotation drawing of insert and holder is received within two working days. After placing the order, within 48 hours the customer receives the drawing for approval. Following the approval, HORN will deliver the special tools within five working days. The Greenline system is available for inserts in quantities of 4 to 20 pieces and for 1 to 2 toolholders.

HORN offers the tools with widths of 10, 12, 16, 20, 26, 32 and 45 mm, which are precision ground to the required special shape to suit the application. The maximum form depth depends on the cutting width. The tool coating is specially selected for each application and is available for the material groups P, M, K and N. The square shank holders are available in standard sizes from 10 x 10 mm to 32 x 32 mm.

Schneidplatte mit einer Spannschraube

Insert with one clamping screw

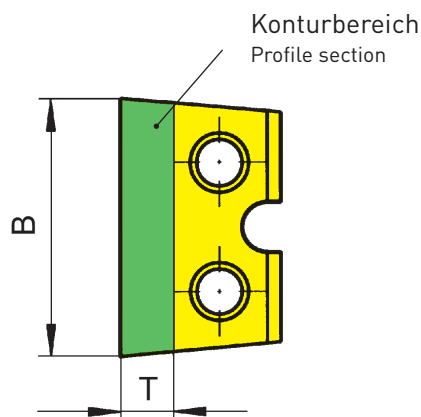


A2

Konturbreite B Cutting width B	Konturtiefe T Cutting depth T	Schneidplattentyp Type of insert
≤ 9,7	3,50	S117.0010.00
≤ 9,7	6,50	S117.0010.02.00
≤ 11,2	4,50	S117.0012.00
≤ 11,2	7,50	S117.0012.02.00
≤ 13,7	6,00	S117.0014.00
≤ 15,1	6,00	S117.0016.00
≤ 15,1	9,00	S117.0016.02.00
≤ 17,8	9,00	S117.0018.00
≤ 19,8	9,00	S117.0020.00
≤ 19,8	12,00	S117.0020.02.00
≤ 24,7	10,00	S117.0026.00
≤ 24,7	13,00	S117.0026.02.00

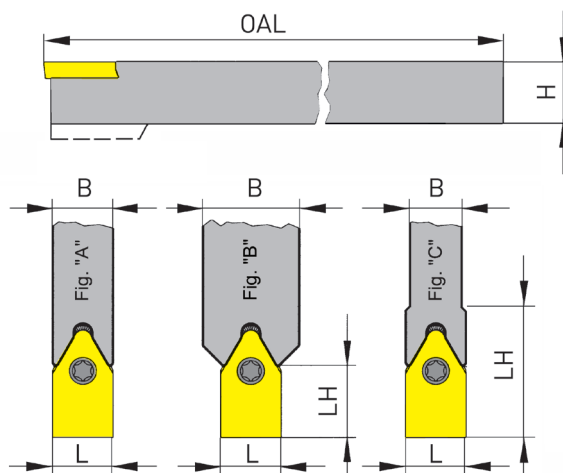
Schneidplatte mit zwei Spannschrauben

Insert with two clamping screws



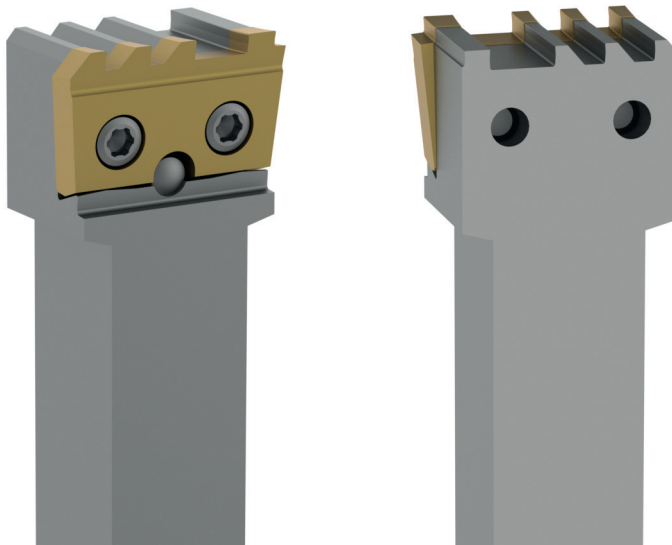
Konturbreite B Cutting width B	Konturtiefe T Cutting depth T	Schneidplattentyp Type of insert
≤ 30,2	6,50	S117.0032.00
≤ 43,3	6,50	S117.0045.00

A2



Schneidplattentyp Type of insert	H	B	OAL	Figur	LH	Sonderhalter ähnlich Special toolholder similar to
S117.0010.00	10,00	10,00	100	A	-	H117.1010.10
	12,00	12,00	125	B	9	H117.1212.10
	16,00	16,00	125	B	9	H117.1616.10
S117.0010.02.00	10,00	10,00	100	A	-	H117.1010.02.10
	12,00	12,00	125	B	12	H117.1212.02.10
	16,00	16,00	125	B	12	H117.1616.02.10
S117.0012.00	12,00	12,00	125	A	-	H117.1212.12
	14,00	14,00	125	B	8	H117.1414.12
	16,00	12,00	125	A	-	H117.1612.12
	16,00	16,00	125	B	8	H117.1616.12
	20,00	20,00	150	B	8	H117.2020.12
	12,00	12,00	125	A	-	H117.1212.02.12
S117.0012.02.00	16,00	16,00	125	B	11	H117.1616.02.12
	20,00	20,00	150	B	11	H117.2020.02.12
	14,00	14,00	125	C	22	H117.1414.16
S117.0014.00 S117.0016.00	16,00	16,00	125	A / B	11	H117.1616.16
	20,00	20,00	150	B	11	H117.2020.16
	25,00	25,00	150	B	8,5	H117.2525.16
S117.0016.02.00	16,00	16,00	125	A	-	H117.1616.02.16
	20,00	20,00	150	B	14	H117.2020.02.16
S117.0018.00 S117.0020.00	16,00	16,00	125	C	30	H117.1616.20
	20,00	20,00	150	A / B	15	H117.2020.20
	25,00	25,00	150	B	15	H117.2525.20
S117.0020.02.00	16,00	16,00	125	C	33	H117.1616.02.20
	20,00	20,00	150	A	-	H117.2020.02.20
	25,00	25,00	150	B	19	H117.2525.02.20
S117.0026.00	20,00	20,00	150	C	30	H117.2020.26
	25,00	25,00	150	A	-	H117.2525.26
S117.0026.02.00	20,00	20,00	150	C	33	H117.2020.02.26
	25,00	25,00	150	A	-	H117.2525.02.26
S117.0032.00	20,00	20,00	150	C	25	H117.2020.32
	25,00	25,00	150	C	25	H117.2525.32
S117.0045.00	25,00	25,00	150	C	27	H117.2525.45
	32,00	32,00	170	C	27	H117.3232.45

Hohe Stabilität durch optimal unterstützte Schneidplatte.
High stability afford to an optimised support of the insert.



A2

Bitte beachten:

- kleinstmöglicher Innenradius: 0,05 mm
- kleinstmöglicher Außenradius 0,04 mm
- kleinstmögliche Winkeltoleranz Form: $\pm 10'$
- kleinstmögliche Maßtoleranz: $\pm 0,005$ mm
- kleinstmögliche Formtoleranz: 0,01 mm

Please note:

- smallest possible inner radius: 0.05 mm
- smallest possible outer radius 0.04 mm
- smallest possible angle tolerance Form: $\pm 10'$
- smallest possible dimensional tolerance: ± 0.005 mm
- smallest possible shape tolerance: 0.01 mm

Alle Formplatten sind beschichtet lieferbar.
All inserts are available coated.

Zerspanungshauptgruppe Cutting main group	P	EG35/EG55
Zerspanungshauptgruppe Cutting main group	M	IG35/IG65
Zerspanungshauptgruppe Cutting main group	K	EG36/EG56
Zerspanungshauptgruppe Cutting main group	N	MG12
Zerspanungshauptgruppe Cutting main group	S	SG35

A2



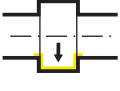
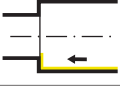
ZWEISCHNEIDER

DOUBLE-EDGE

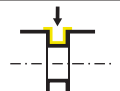
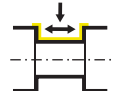
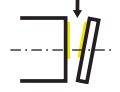
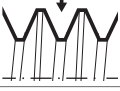
System/System	Seite/Page
209	100
216	110
217	120
223	138
224	156
229	228
231	286
234	294
262	304
264	314
271	330
274	346

Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 28	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,1-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						
														

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 6,95	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,1-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
		•					•	•						
							•	•	•					

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B1



Klemmhalter und Schneidplatten

Stechbreite 2 - 3 mm

Toolholder and Inserts

Width of groove 2 - 3 mm

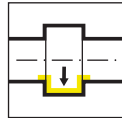
Inhaltsangabe

Summary

Geometrien und
Vorschübe
Geometries and feed rates

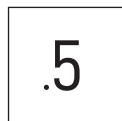
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Klemmhalter
Toolholder
B209

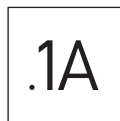


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Wendeschneidplatte
Indexable insert
S209



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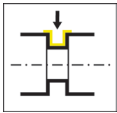
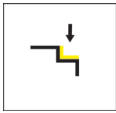
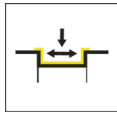
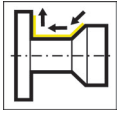
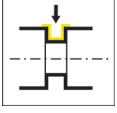
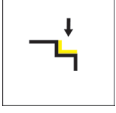
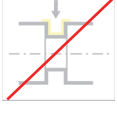
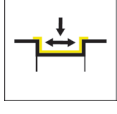
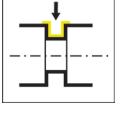
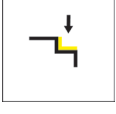
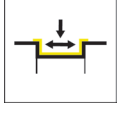
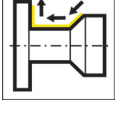
Seite/Page
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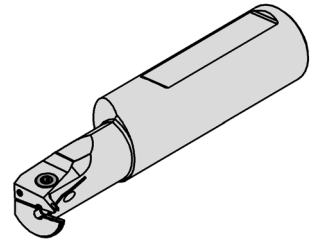
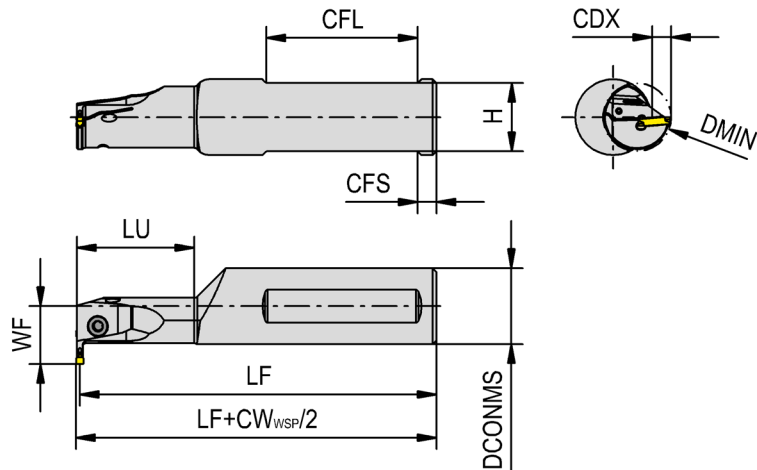
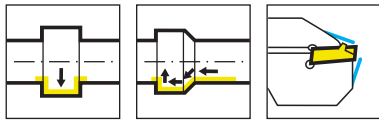


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Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
.5	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	    
.1A	P M K N S H	↓ 0,03-0,12	    
.FB	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	    
.KF	P M K N S H	↓ 0,10-0,45 ↔ 0,05-0,25	    



B1

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

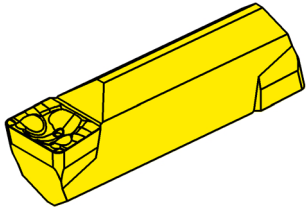
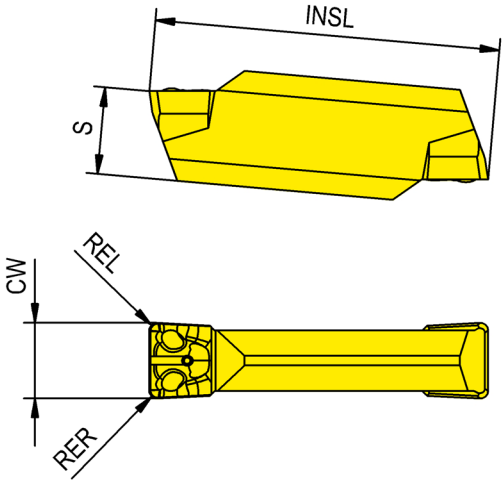
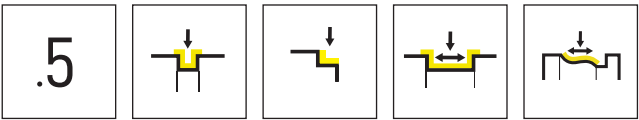
Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	LF	CFL	CFS	WF	Trennstelle W Interface W
RB209.0016.1.02.IK	3,5	58,22	16	16	14	109,22	50	5	11,8	229200058N
RB209.0020.1.12.IK	5	58,22	18	20	18	109,22	55	5	15,3	229200058N
RB209.0016.1.025.IK	3,5	58,22	16	16	14	109,1	50	5	11,8	229250058N • 229300058N
RB209.0020.1.125.IK	5	58,22	18	20	18	109,1	50	5	15,3	229250058N • 229300058N
RB209.0016.1.03.IK	3,5	58,22	16	16	14	108,9	50	5	11,8	229300058N
RB209.0020.1.13.IK	5	58,22	18	20	18	108,9	50	5	15,3	229300058N
LB209.0016.1.02.IK	3,5	58,22	16	16	14	109,22	50	5	11,8	229200058N
LB209.0020.1.12.IK	5	58,22	18	20	18	109,22	55	5	15,3	229200058N
LB209.0016.1.025.IK	3,5	58,22	16	16	14	109,1	50	5	11,8	229250058N • 229300058N
LB209.0020.1.125.IK	5	58,22	18	20	18	109,1	50	5	15,3	229250058N • 229300058N
LB209.0016.1.03.IK	3,5	58,22	16	16	14	108,9	50	5	11,8	229300058N
LB209.0020.1.13.IK	5	58,22	18	20	18	108,9	50	5	15,3	229300058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

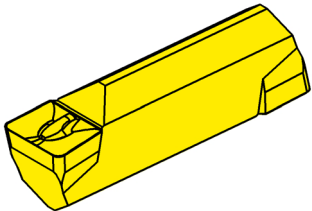
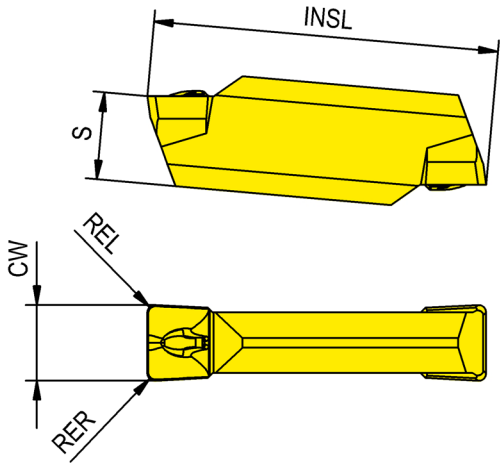
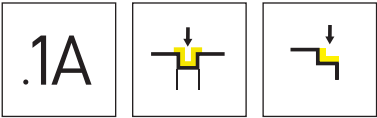
Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB209...	3.5.12T10EP	T10PL



Sorten
Grades
▲ ab Lager
▲ on stock
Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS L	S	Trennstelle M Interface M	AS45
S209.0200.52	2	0,2	0,2	9	2,3	209200058N	▲
S209.0250.52	2,5	0,2	0,2	10	2,3	209250058N	▲
S209.0300.52	3	0,2	0,2	10	2,3	209300058N	▲
							P ●
							M -
							K -
							N -
							S -
							H -

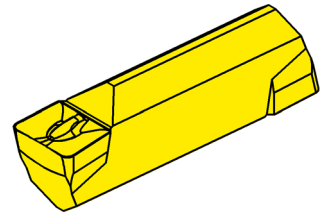
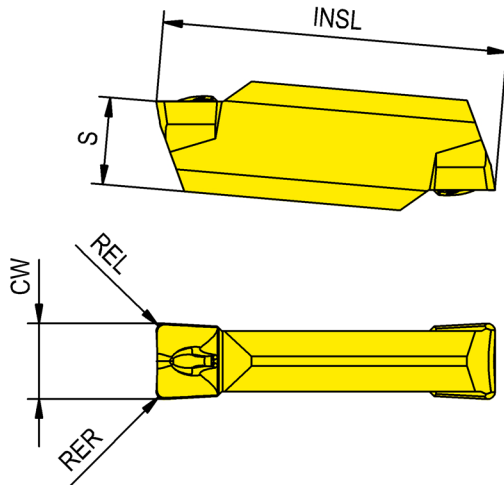
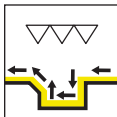
B1



B1

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	AS45	
S209.0200.1A2	2	0,2	0,2	9	2,3	209200058N	▲	
S209.0250.1A2	2,5	0,2	0,2	10	2,3	209250058N	Δ	
S209.0300.1A2	3	0,2	0,2	10	2,3	209300058N	▲	
							P	●
							M	●
							K	○
							N	-
							S	-
							H	-



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS	S	Trennstelle M Interface M	EG35
S209.FB20.02	2	0,2	0,2	9	2,3	209200058N	▲
							P ●
							M ●
							K -
							N -
							S -
							H -

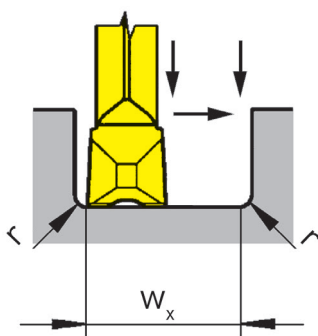
Berechnung der kleinstmöglichen Nutbreite w_x :
Calculation of the smallest possible width of groove w_x :

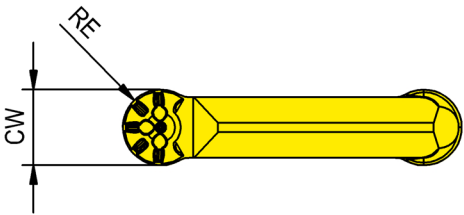
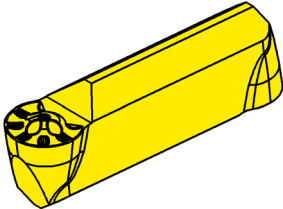
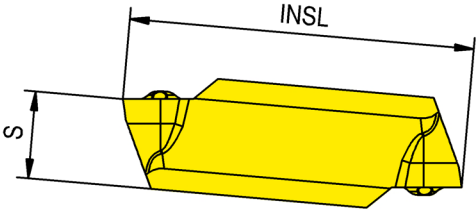
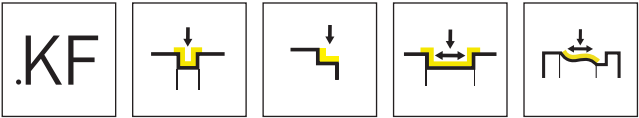
Beispiel S209.FB20.02
Example

$w_x = 2 \cdot \text{Schneidbreite CW (2 mm)} - 2 \cdot \text{Eckenradius r (0,2 mm, entspricht REL und RER der Schneidplatte)}$
 $2 \cdot \text{width of groove CW (2 mm)} - 2 \cdot \text{corner radius r (0,2 mm, corresponds to the REL and RER of the insert)}$

$w_x = (2 \cdot 2 \text{ mm}) - (2 \cdot 0,2 \text{ mm})$

$w_x = 3,6 \text{ mm}$





B1

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	RE	INSL	S	Trennstelle M Interface M	AS45
S209.0010.KF2	2	1	9	2,3	209200058N	▲
S209.0015.KF3	3	1,5	10	2,3	209300058N	▲
						P ●
						M o
						K o
						N -
						S -
						H -



B1

Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 28	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,1-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						

B2

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 6,95	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,1-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
		•					•	•						
							•	•	•					

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B2

Klemmhalter und Schneidplatten

Stechbreite 2 - 6 mm
Stechtiefe bis 7,5 mm

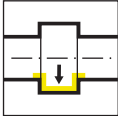
Toolholder and Inserts

Width of groove 2 - 6 mm
Depth of groove up to 7,5 mm

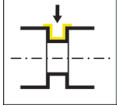
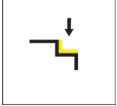
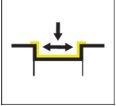
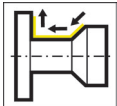
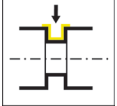
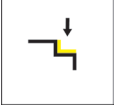
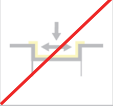
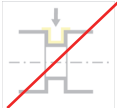
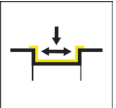
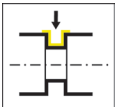
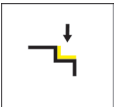
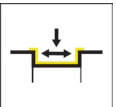
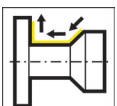
Inhaltsangabe

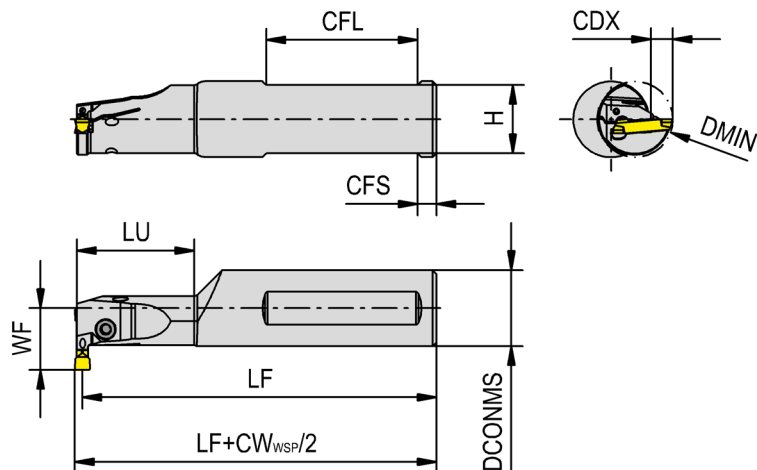
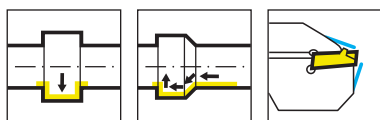
Summary

Geometrien und Vorschübe Geometries and feed rates	Seite/Page 113
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Klemmhalter Toolholder B216		Seite/Page 114
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Wendeschnidplatte Indexable insert S216				
	Seite/Page 115	Seite/Page 116	Seite/Page 117	Seite/Page 118

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
.5	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	    
.1A	P M K N S H	↓ 0,03-0,12	    
.FB	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	    
.KF	P M K N S H	↓ 0,10-0,45 ↔ 0,05-0,25	    



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

B2

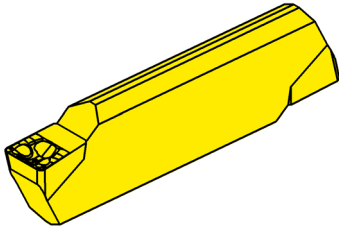
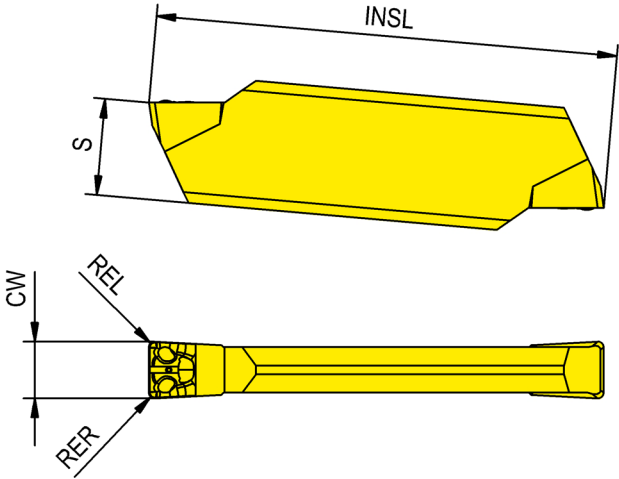
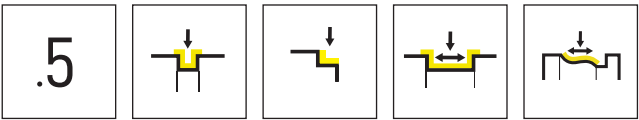
Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	LF	CFL	CFS	WF	Trennstelle W Interface W
RB216.0020.1.22.IK	6	58,22	20	20	18	109,22	55	5	16,3	216200058N
RB216.0020.1.225.IK	6	58,22	20	20	18	109,22	55	5	16,3	216250058N
RB216.0020.1.23.IK	6	58,22	20	20	18	109,22	55	5	16,3	216300058N
RB216.0020.1.24.IK	6	58,22	20	20	18	109,22	55	5	16,3	216400058N
RB216.0025.2.22.IK	7,5	58,22	25	25	23	149,22	55	5	20,3	216200058N
RB216.0025.2.225.IK	7,5	58,22	25	25	23	149,22	55	5	20,3	216250058N
RB216.0025.2.23.IK	7,5	58,22	25	25	23	149,22	55	5	20,3	216300058N
RB216.0025.2.24.IK	7,5	58,22	25	25	23	149,22	55	5	20,3	216400058N
RB216.0025.23.1.22.IK	7	58,22	23	25	23	149,22	55	5	19,8	216200058N
RB216.0025.23.1.23.IK	7	58,22	23	25	23	149,22	55	5	19,8	216300058N
RB216.0025.23.1.24.IK	7	58,22	23	25	23	149,22	55	5	19,8	216400058N
RB216.0025.23.1.25.IK	7	58,22	23	25	23	149,22	55	5	19,8	216500058N
LB216.0020.1.22.IK	6	58,22	20	20	18	109,22	55	5	16,3	216200058N
LB216.0020.1.225.IK	6	58,22	20	20	18	109,22	55	5	16,3	216250058N
LB216.0020.1.23.IK	6	58,22	20	20	18	109,22	55	5	16,3	216300058N
LB216.0020.1.24.IK	6	58,22	20	20	18	109,22	55	5	16,3	216400058N
LB216.0025.2.22.IK	7,5	58,22	25	25	23	149,22	55	5	20,3	216200058N
LB216.0025.2.225.IK	7,5	58,22	25	25	23	149,22	55	5	20,3	216250058N
LB216.0025.2.23.IK	7,5	58,22	25	25	23	149,22	55	5	20,3	216300058N
LB216.0025.2.24.IK	7,5	58,22	25	25	23	149,22	55	5	20,3	216400058N
LB216.0025.23.1.22.IK	7	58,22	23	25	23	149,22	55	5	19,8	216200058N
LB216.0025.23.1.23.IK	7	58,22	23	25	23	149,22	55	5	19,8	216300058N
LB216.0025.23.1.24.IK	7	58,22	23	25	23	149,22	55	5	19,8	216400058N
LB216.0025.23.1.25.IK	7	58,22	23	25	23	149,22	55	5	19,8	216500058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

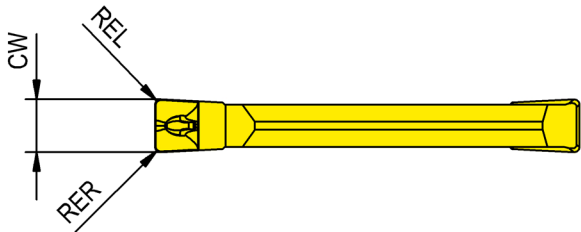
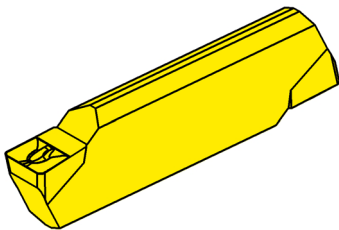
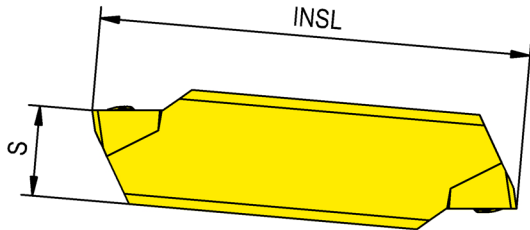
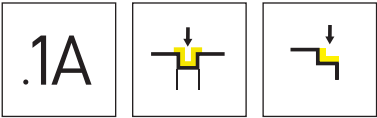
Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB216.0020.1....	3.5.12T10EP	T10PL
R/LB216.0025....	5.13T20EP	T20PQ



Sorten	
Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS	S	Trennstelle M Interface M	AS45
S216.0200.52	2	0,2	0,2	16,3	3,4	216200058N	▲
S216.0250.52	2,5	0,2	0,2	16,3	3,4	216250058N	▲
S216.0300.52	3	0,2	0,2	16,3	3,4	216300058N	▲
S216.0400.52	4	0,2	0,2	16,3	3,4	216400058N	▲
S216.0500.54	5	0,4	0,4	18,2	3,7	216500058N	Δ
S216.0600.54	6	0,4	0,4	18,2	3,7	216600058N	Δ
							P ●
							M -
							K -
							N -
							S -
							H -

B2

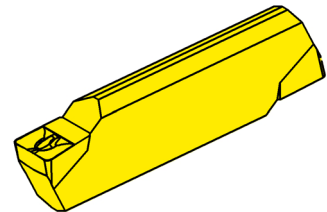
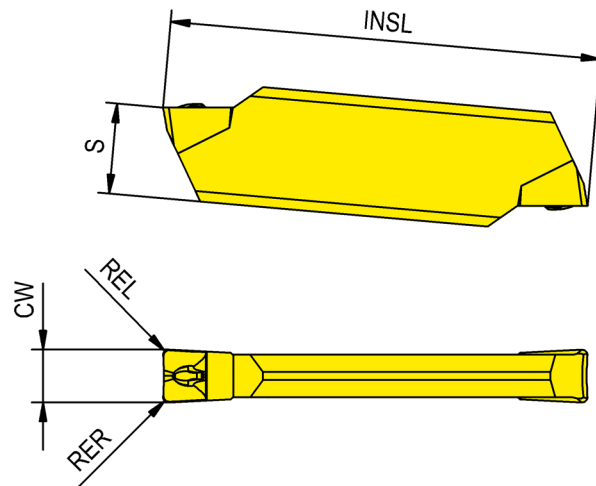
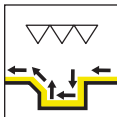


Schneidbreite 2 - 4 mm
Width of groove 2 - 4 mm

Schneidbreite 5 - 6 mm
Width 5 - 6 mm

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	AS45
S216.0200.1A2	2	0,2	0,2	16,3	3,4	216200058N	▲
S216.0250.1A2	2,5	0,2	0,2	16,3	3,4	216250058N	Δ
S216.0300.1A2	3	0,2	0,2	16,3	3,4	216300058N	▲
S216.0400.1A2	4	0,2	0,2	16,3	3,4	216400058N	▲
S216.0500.1A4	5	0,4	0,4	18,2	3,7	216500058N	Δ
							P ●
							M ●
							K ○
							N -
							S -
							H -



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

B2

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	EG35
S216.FB20.02	2	0,2	0,2	16,3	3,4	216200058N	▲
							P ●
							M ●
							K -
							N -
							S -
							H -

Berechnung der kleinstmöglichen Nutbreite w_x :
Calculation of the smallest possible width of groove w_x :

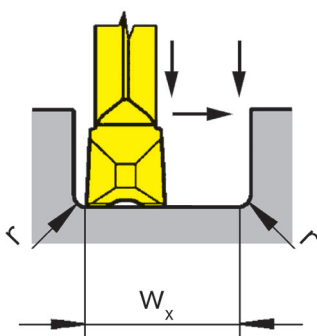
Beispiel S216.FB20.02
Example

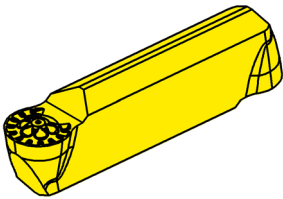
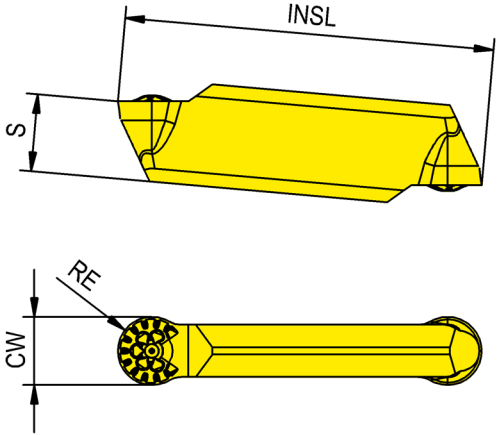
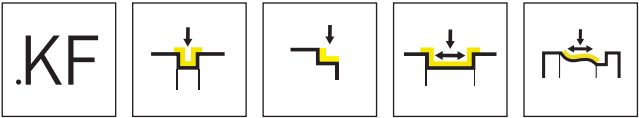
$$w_x = 2 \cdot \text{Schneidbreite CW (2 mm)} - 2 \cdot \text{Eckenradius r (0,2 mm, entspricht REL und RER der Schneidplatte)}$$

2 · width of groove CW (2 mm) - 2 · corner radius r (0,2 mm, corresponds to the REL and RER of the insert)

$$w_x = (2 \cdot 2 \text{ mm}) - (2 \cdot 0,2 \text{ mm})$$

$$w_x = 3,6 \text{ mm}$$





Sorten
Grades
▲ ab Lager
▲ on stock
Δ 4 Wochen
Δ 4 weeks

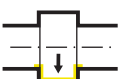
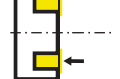
Artikelnummer Part number	CW	RE	INSL	s	Trennstelle M Interface M	AS45
S216.0010.KF2	2	1	16,3	3,4	216200058N	▲
S216.0015.KF3	3	1,5	16,3	3,4	216300058N	▲
S216.0020.KF4	4	2	16,3	3,4	216400058N	▲
						P ●
						M o
						K o
						N -
						S -
						H -



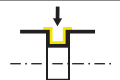
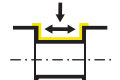
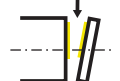
B2

Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 28	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,1-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						
														

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 6,95	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,1-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
		•					•	•						
							•	•	•					

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B3

Klemmhalter und Schneidplatten

Stechbreite 0,5 - 5,3 mm

Toolholder and Inserts

Width of groove 0,5 - 5,3 mm

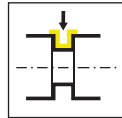
Inhaltsangabe

Summary

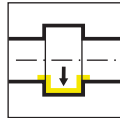
Geometrien und
Vorschübe
Geometries and feed rates

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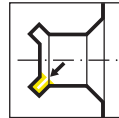
Klemmhalter
Toolholder
240/248/230/250
233/253/254/234/235
255/245



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127-130

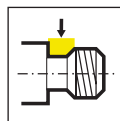


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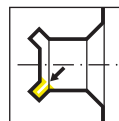
Wendeschneidplatte
Indexable insert
217



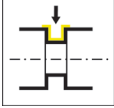
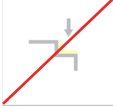
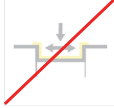
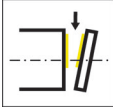
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132-133

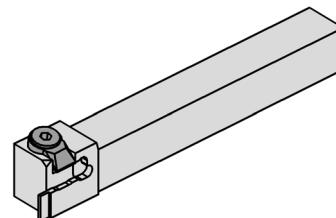
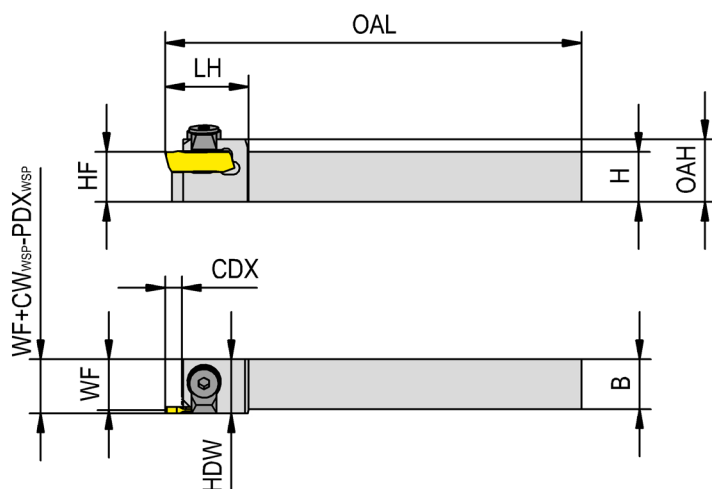
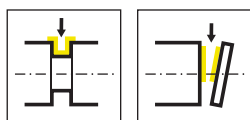


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Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,02-0,12	    



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

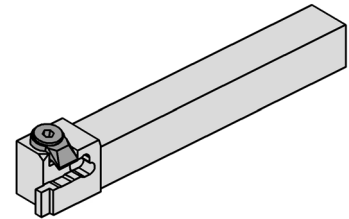
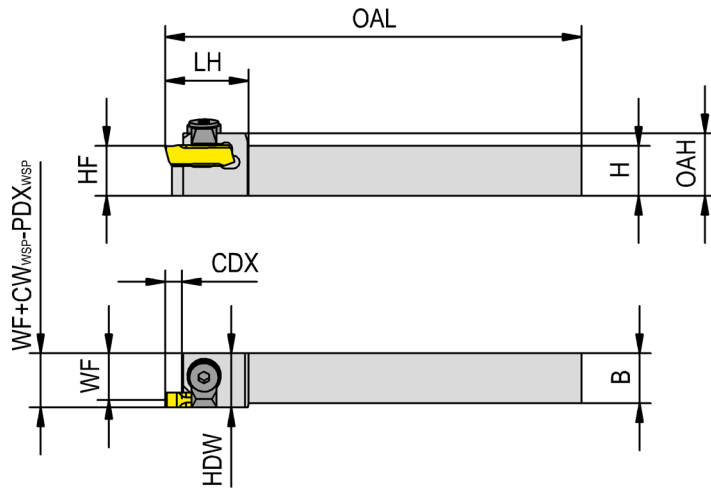
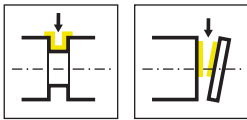
B3

Artikelnummer Part number	CDX	H	B	OAL	LH	OAH	HDW	WF	HF	Trennstelle W Interface W
R240.1010.01	4	10	10	80	20	13	13	11,5	10	217010008N
R240.1212.01	4	12	12	100	20	15	13	11,5	12	217010008N
R240.1616.01	4	16	16	125	20	19	16	14,5	16	217010008N
R240.2020.01	4	20	20	125	20	23	20	18,5	20	217010008N
R240.1010.02	4	10	10	80	20	13	13	10,5	10	217020008N
R240.1212.02	4	12	12	100	20	15	13	10,5	12	217020008N
R240.1616.02	4	16	16	125	20	19	16	13,5	16	217020008N
R240.2020.02	4	20	20	125	20	23	20	17,5	20	217020008N
L240.1010.01	4	10	10	80	20	13	13	11,5	10	217010008N
L240.1212.01	4	12	12	100	20	15	13	11,5	12	217010008N
L240.1616.01	4	16	16	125	20	19	16	14,5	16	217010008N
L240.2020.01	4	20	20	125	20	23	20	18,5	20	217010008N
L240.1010.02	4	10	10	80	20	13	13	10,5	10	217020008N
L240.1212.02	4	12	12	100	20	15	13	10,5	12	217020008N
L240.1616.02	4	16	16	125	20	19	16	13,5	16	217020008N
L240.2020.02	4	20	20	125	20	23	20	17,5	20	217020008N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L240...	8.3



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

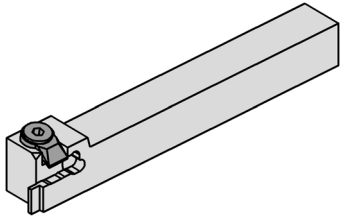
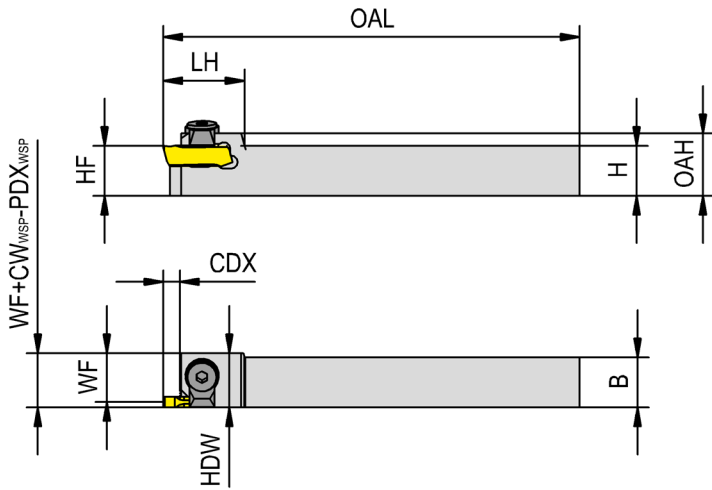
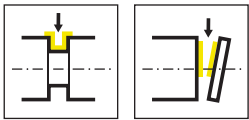
Artikelnummer Part number	CDX	H	B	OAL	LH	OAH	HDW	WF	HF	Trennstelle W Interface W
R240.1010.03	4	10	10	80	20	13	13	9,5	10	217030008N
R240.1212.03	4	12	12	100	20	15	13	9,5	12	217030008N
R240.1616.03	4	16	16	125	20	19	16	12,5	16	217030008N
R240.2020.03	4	20	20	125	20	23	20	16,5	20	217030008N
R240.1010.04	4	10	10	80	20	13	15	9,8	10	217040008N
R240.1212.04	4	12	12	100	20	15	15	9,8	12	217040008N
R240.1616.04	4	16	16	125	20	-	16	10,8	16	217040008N
R240.2020.04	4	20	20	125	20	23	20	14,8	20	217040008N
L240.1212.03	4	12	12	100	20	15	13	9,5	12	217030008N
L240.1616.03	4	16	16	125	20	19	16	12,5	16	217030008N
L240.2020.03	4	20	20	125	20	23	20	16,5	20	217030008N
L240.1212.04	4	12	12	100	20	15	15	9,8	12	217040008N
L240.2020.04	4	20	20	125	20	23	20	14,8	20	217040008N

B3

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L240...03	8.3
R/L240...04	8.4



R = rechts wie gezeichnet
R = right hand version shown

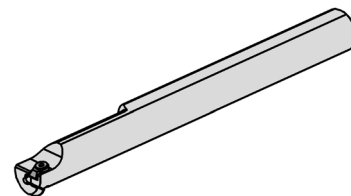
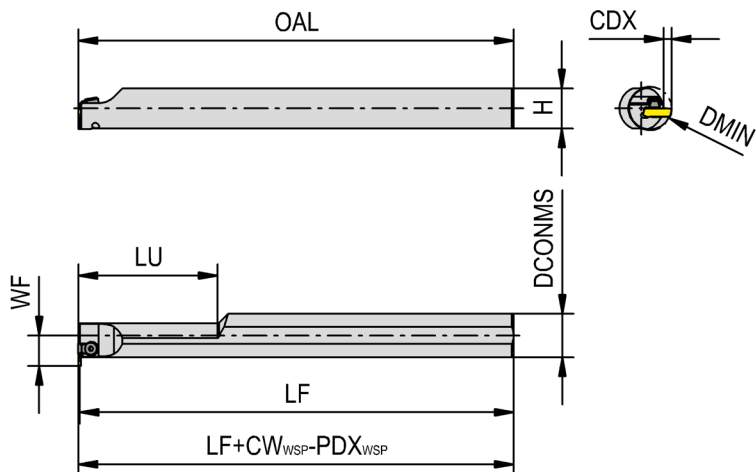
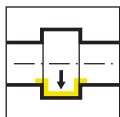
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	H	B	OAL	LH	OAH	HDW	WF	HF	Trennstelle W Interface W
R248.1212.01	4	12	12	95	19,5	15	13	11,6	12	217010008N
R248.1212.02	4	12	12	100	19,5	15	13	10,5	12	217020008N
L248.1212.01	4	12	12	95	19,5	15	13	11,6	12	217010008N

B3

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L248...	8.3



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	OAL	LF	WF	Trennstelle W Interface W
R230.0020.01	3	58,22	20	20	18	180	178,5	13,3	217010008N
R250.0025.01	4,7	58,22	25	25	23	250	248,5	17,5	217010008N
R250.0032.01	4,7	58,22	32	32	30	250	248,5	21	217010008N
R230.0020.02	3	58,22	20	20	18	180	177,5	13,3	217020008N
R250.0025.02	4,7	58,22	25	25	23	250	247,5	17,5	217020008N
R250.0032.02	4,7	58,22	32	32	30	250	247,5	21	217020008N
R230.0020.03	3	58,22	20	20	18	180	176,5	13,3	217030008N
R250.0025.03	4,7	58,22	25	25	23	250	246,5	17,5	217030008N
R250.0032.03	4,7	58,22	32	32	30	250	246,5	21	217030008N
R230.0020.04	3	58,22	20	20	18	180	174,8	13,3	217040008N
R250.0025.04	4,7	58,22	25	25	23	250	247,8	17,5	217040008N
L230.0020.01	3	58,22	20	20	18	180	178,5	13,3	217010008N
L250.0025.01	4,7	58,22	25	25	23	250	248,5	17,5	217010008N
L250.0032.01	4,7	58,22	32	32	30	250	248,5	21	217010008N
L230.0020.02	3	58,22	20	20	18	180	177,5	13,3	217020008N
L250.0025.02	4,7	58,22	25	25	23	250	247,5	17,5	217020008N
L250.0032.02	4,7	58,22	32	32	30	250	247,5	21	217020008N
L230.0020.03	3	58,22	20	20	18	180	176,5	13,3	217030008N
L250.0025.03	4,7	58,22	25	25	23	250	246,5	17,5	217030008N
L230.0020.04	3	58,22	20	20	18	180	174,8	13,3	217040008N
L250.0025.04	4,7	58,22	25	25	23	250	247,8	17,5	217040008N

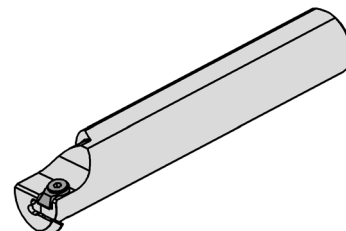
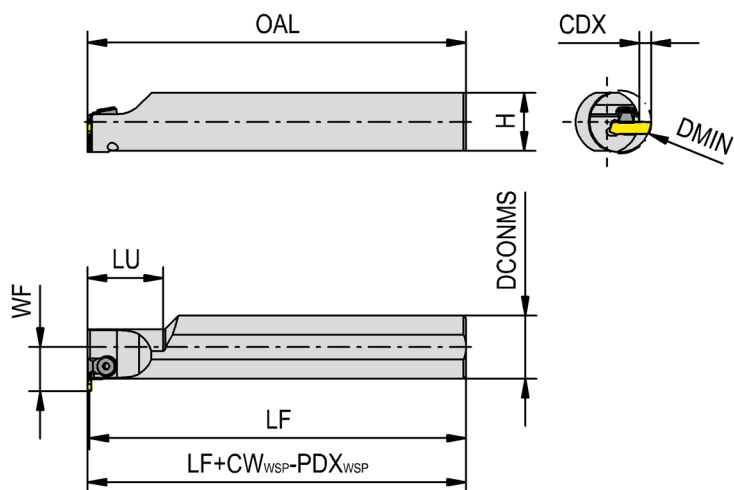
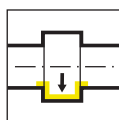
CW siehe Wendeschneidplatten
CW see indexable inserts

lange Ausführung
long style

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L2...01/02/03	8.3
R/L2...04	8.4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	OAL	LF	WF	Trennstelle W Interface W
R233.0020.01	3	58,22	20	20	18	130	128,5	13,3	217010008N
R253.0025.01	4,7	58,22	25	25	23	150	148,5	17,5	217010008N
R253.0032.01	4,7	58,22	32	32	30	150	148,5	21	217010008N
R233.0020.02	3	58,22	20	20	18	130	127,5	13,3	217020008N
R253.0025.02	4,7	58,22	25	25	23	150	147,5	17,5	217020008N
R253.0032.02	4,7	58,22	32	32	30	150	147,5	21	217020008N
R233.0020.03	3	58,22	20	20	18	130	126,5	13,3	217030008N
R253.0025.03	4,7	58,22	25	25	23	150	146,5	17,5	217030008N
R253.0032.03	4,7	58,22	32	32	30	150	146,5	21	217030008N
R233.0020.04	3	58,22	20	20	18	130	124,8	13,3	217040008N
R253.0025.04	4,7	58,22	25	25	23	150	144,8	17,5	217040008N
R253.0032.04	4,7	58,22	32	32	30	150	144,8	21	217040008N
L233.0020.01	3	58,22	20	20	18	130	128,5	13,3	217010008N
L253.0025.01	4,7	58,22	25	25	23	150	148,5	17,5	217010008N
L253.0032.01	4,7	58,22	32	32	30	150	148,5	21	217010008N
L233.0020.02	3	58,22	20	20	18	130	127,5	13,3	217020008N
L253.0025.02	4,7	58,22	25	25	23	150	147,5	17,5	217020008N
L253.0032.02	4,7	58,22	32	32	30	150	147,5	21	217020008N
L233.0020.03	3	58,22	20	20	18	130	126,5	13,3	217030008N
L253.0025.03	4,7	58,22	25	25	23	150	146,5	17,5	217030008N
L253.0032.03	4,7	58,22	32	32	30	150	146,5	21	217030008N
L233.0020.04	3	58,22	20	20	18	130	124,8	13,3	217040008N
L253.0025.04	4,7	58,22	25	25	23	150	144,8	17,5	217040008N
L253.0032.04	4,7	58,22	32	32	30	150	144,8	21	217040008N

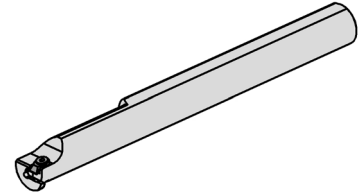
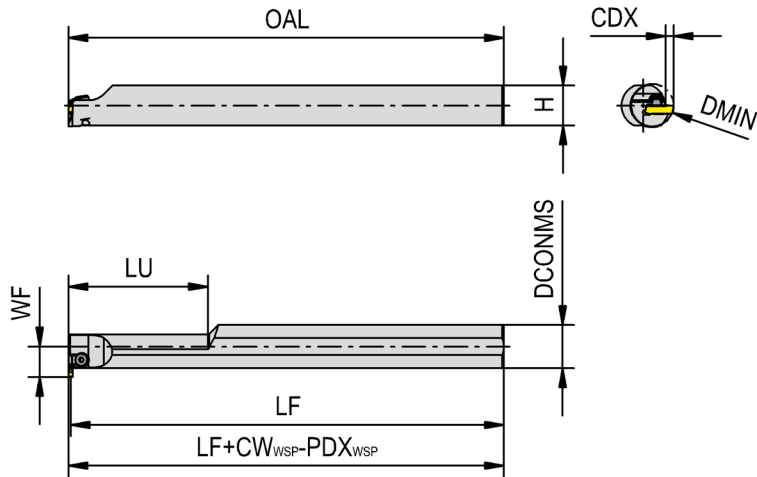
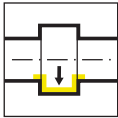
CW siehe Wendschneidplatten
CW see indexable inserts

kurze Ausführung
short style

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L2...01/02/03	8.3
R/L2...04	8.4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	OAL	LF	WF	Trennstelle W Interface W
R254.0025.01	4,7	58,22	25	25	23	250	248,5	17,5	217010008N
R254.0032.01	4,7	58,22	32	32	30	250	248,5	21	217010008N
R254.0025.02	4,7	58,22	25	25	23	250	247,5	17,5	217020008N
R234.0020.03	3	58,22	20	20	18	180	176,5	13,3	217030008N
R254.0032.03	4,7	58,22	32	32	30	250	246,5	21	217030008N
R254.0032.04	4,7	58,22	32	32	30	250	244,8	21	217040008N
L254.0032.01	4,7	58,22	32	32	30	250	248,5	21	217010008N
L254.0032.02	4,7	58,22	32	32	30	250	247,5	21	217020008N
L234.0020.03	3	58,22	20	20	18	180	176,5	13,3	217030008N
L254.0032.04	4,7	58,22	32	32	30	250	244,8	21	217040008N

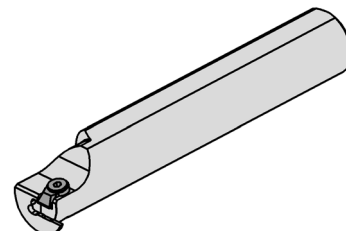
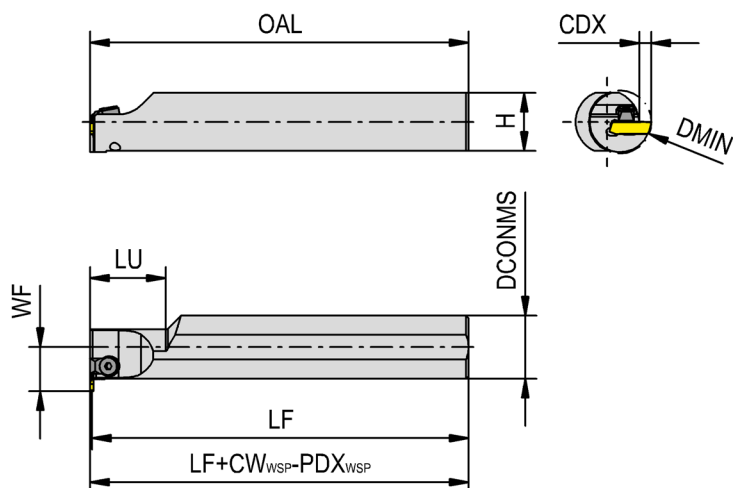
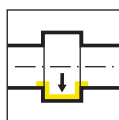
CW siehe Wendeschneidplatten
CW see indexable inserts

lange Ausführung für Formplatten
long style for special insert shapes

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L2...01/02/03	8.3
R/L2...04	8.4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	OAL	LF	WF	Trennstelle W Interface W
R235.0020.01	3	58,22	20	20	18	130	128,5	13,3	217010008N
R255.0025.01	4,7	58,22	25	25	23	150	148,5	17,5	217010008N
R255.0032.01	4,7	58,22	32	32	30	150	148,5	21	217010008N
R235.0020.02	3	58,22	20	20	18	130	127,5	13,3	217020008N
R255.0025.02	4,7	58,22	25	25	23	150	147,5	17,5	217020008N
R255.0032.02	4,7	58,22	32	32	30	150	147,5	21	217020008N
R235.0020.03	3	58,22	20	20	18	130	126,5	13,3	217030008N
R255.0025.03	4,7	58,22	25	25	23	150	146,5	17,5	217030008N
R255.0032.03	4,7	58,22	32	32	30	150	147,5	21	217030008N
R235.0020.04	3	58,22	20	20	18	130	124,8	13,3	217040008N
R255.0025.04	4,7	58,22	25	25	23	150	144,8	17,5	217040008N
R255.0032.04	4,7	58,22	32	32	30	150	144,8	21	217040008N
L235.0020.01	3	58,22	20	20	18	130	128,5	13,3	217010008N
L255.0025.01	4,7	58,22	25	25	23	150	148,5	17,5	217010008N
L255.0032.01	4,7	58,22	32	32	30	150	148,5	21	217010008N
L235.0020.02	3	58,22	20	20	18	130	127,5	13,3	217020008N
L255.0025.02	4,7	58,22	25	25	23	150	147,5	17,5	217020008N
L255.0032.02	4,7	58,22	32	32	30	150	147,5	21	217020008N
L235.0020.03	3	58,22	20	20	18	130	126,5	13,3	217030008N
L255.0025.03	4,7	58,22	25	25	23	150	146,5	17,5	217030008N
L255.0032.03	4,7	58,22	32	32	30	150	147,5	21	217030008N
L235.0020.04	3	58,22	20	20	18	130	124,8	13,3	217040008N
L255.0025.04	4,7	58,22	25	25	23	150	144,8	17,5	217040008N
L255.0032.04	4,7	58,22	32	32	30	150	144,8	21	217040008N

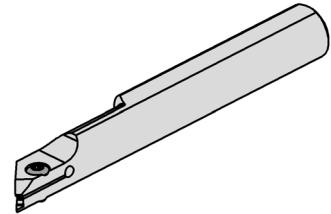
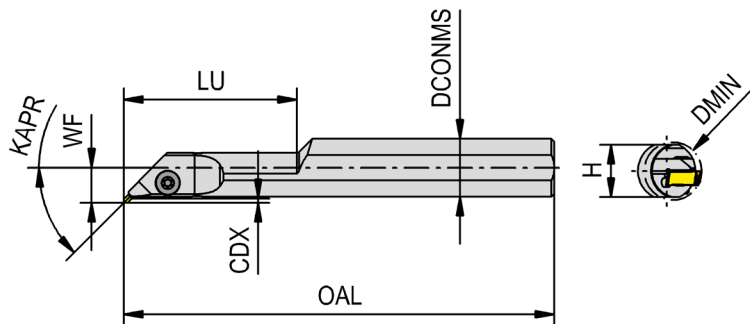
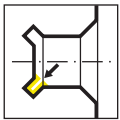
CW siehe Wendschneidplatten
CW see indexable inserts

kurze Ausführung für Formplatten
short style for special insert shapes

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L2...01/02/03	8.3
R/L2...04	8.4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	OAL	WF	KAPR	Trennstelle W Interface W
R245.0020.02	1,5	60	20	20	18	180	12	45°	217020008N
R245.0032.02	1,5	80	31	32	30	250	18	45°	217020008N
R245.0020.03	1,5	60	20	20	18	180	12	45°	217030008N
R245.0032.03	1,5	80	31	32	30	250	18	45°	217030008N
R245.0020.04	1,5	60	20	20	18	180	12	45°	217040008N
R245.0032.04	1,5	80	31	32	30	250	18	45°	217040008N
L245.0020.02	1,5	60	20	20	18	180	12	45°	217020008N
L245.0032.02	1,5	80	31	32	30	250	18	45°	217020008N
L245.0020.03	1,5	60	20	20	18	180	12	45°	217030008N
L245.0032.03	1,5	80	31	32	30	250	18	45°	217030008N
L245.0032.04	1,5	80	31	32	30	250	18	45°	217040008N

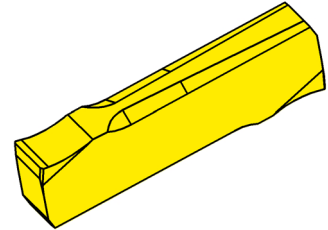
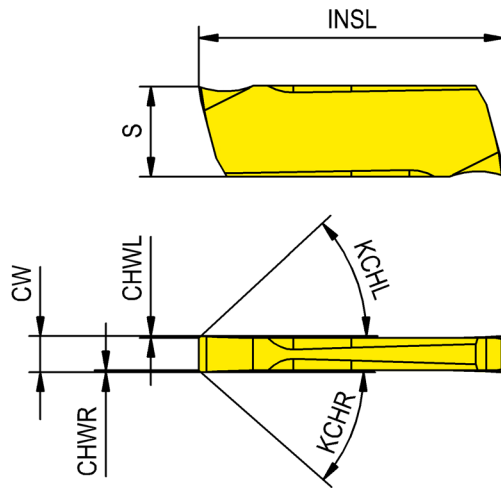
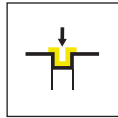
ähnlich DIN 509 Form „F“
similar to DIN 509 form „F“

B3

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L245...	51.27.984P	T15PQ



Sorten
Grades

▲ ab Lager

Δ 4 Wochen

▲ on stock

Δ 4 weeks

Artikelnummer Part number	CW	RTRG	KCHL	KCHR	CHWL	CHWR	INSL	S	Trennstelle M Interface M	K10	P20	TN32
217.0050.00	0,57	0,5	-	-	-	-	16,75	4,9	217010008N	▲	▲	▲
217.0060.00	0,67	0,6	-	-	-	-	16,75	4,9	217010008N	▲	▲	▲
217.0070.00	0,77	0,7	-	-	-	-	16,75	4,9	217010008N	▲	▲	▲
217.0080.00	0,87	0,8	-	-	-	-	16,75	4,9	217010008N	▲	▲	▲
217.0090.00	0,97	0,9	-	-	-	-	16,75	4,9	217010008N	▲	▲	▲
217.0100.00	1,07	1	-	-	-	-	16,75	4,9	217010008N	▲	▲	▲
217.0110.00	1,24	1,1	45°	45°	0,05	0,05	16,75	4,9	217010008N	▲	▲	▲
217.0130.00	1,44	1,3	45°	45°	0,05	0,05	16,75	4,9	217010008N	▲	▲	▲
217.0160.00	1,74	1,6	45°	45°	0,05	0,05	16,75	4,9	217010008N	▲	▲	▲
217.0185.00	1,99	1,85	45°	45°	0,05	0,05	16,75	4,9	217020008N	▲	▲	▲
217.0215.00	2,29	2,15	45°	45°	0,05	0,05	16,75	4,9	217020008N	▲	▲	▲
217.0265.00	2,79	2,65	45°	45°	0,05	0,05	16,75	4,9	217020008N	▲	▲	▲
217.0315.00	3,29	3,15	45°	45°	0,05	0,05	16,75	4,9	217030008N	▲	▲	▲
217.0415.00	4,29	4,15	45°	45°	0,05	0,05	16,75	4,9	217040008N	▲	▲	▲
217.0515.00	5,29	5,15	45°	45°	0,05	0,05	16,75	4,9	217040008N	▲	▲	▲

Max. Stechtiefen nur bei Breiten ≥ 1,1 mm erreichbar

Schmalere Schneidplatten sind in der Stechtiefe begrenzt auf CDX = 1 mm, größere Tiefen sind abhängig vom Ø zu betrachten.

Max. depth of groove can be reached only with width of cut ≥ 1,1 mm

Smaller inserts have a limited depth of groove CDX = 1 mm and deeper depths are depending on Ø of workpiece.

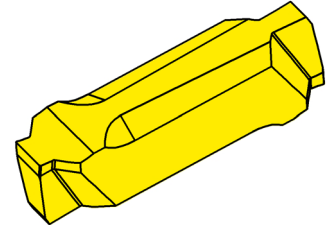
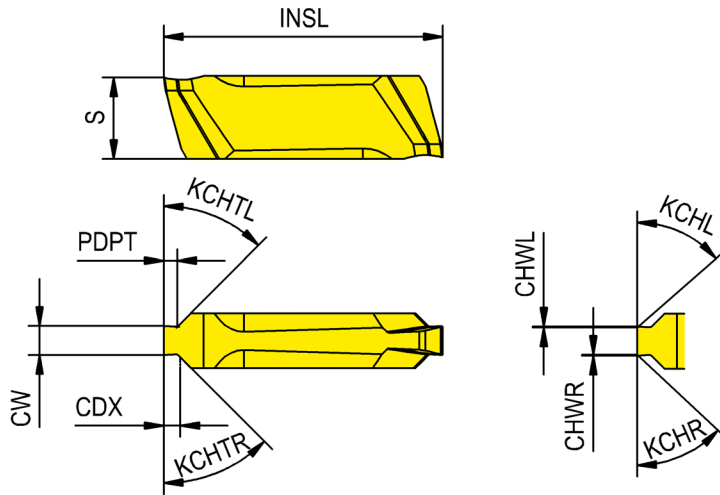
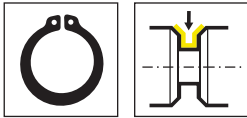
CW > 1,1 mm für Bohrstange

CW > 1,1 mm for Boring bar

Abmessungen für Seegerringnuten DIN 471/472

Widths for circlip grooves DIN 471/472

P	●	●	●
M	●	-	-
K	-	-	-
N	-	-	-
S	o	-	-
H	-	-	-



Sorten
Grades

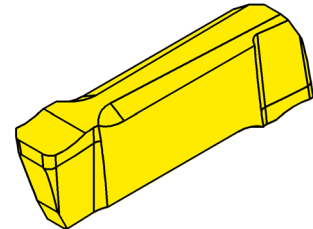
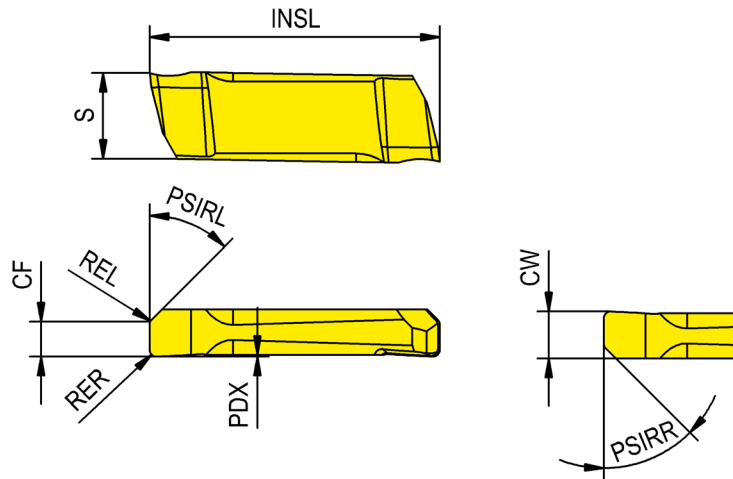
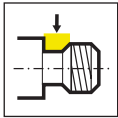
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	RTRG	CDX	KCHL	KCHR	CHWL	CHWR	KCHTL	KCHTR	PDPT	INS	s	Trennstelle M Interface M	TN32
217.1306.25	1,44	1,3	0,55	45°	45°	0,05	0,05	45°	45°	0,45	16,75	4,9	217020008N	▲
217.1607.33	1,74	1,6	0,7	45°	45°	0,05	0,05	45°	45°	0,6	16,75	4,9	217030008N	▲
217.1609.33	1,74	1,6	1	45°	45°	0,05	0,05	45°	45°	0,85	16,75	4,9	217030008N	▲
217.1812.33	1,99	1,85	1,25	45°	45°	0,05	0,05	45°	45°	1,1	16,75	4,9	217030008N	▲
217.2115.43	2,29	2,15	1,5	45°	45°	0,05	0,05	45°	45°	1,35	16,75	4,9	217040008N	▲
217.2616.43	2,79	2,65	1,5	45°	45°	0,05	0,05	45°	45°	1,35	16,75	4,9	217040008N	Δ
217.2617.43	2,79	2,65	1,75	45°	45°	0,05	0,05	45°	45°	1,6	16,75	4,9	217040008N	▲
217.3118.53	3,29	3,15	1,75	45°	45°	0,05	0,05	45°	45°	1,6	16,75	4,9	217040008N	▲
217.4120.53	4,29	4,15	2	45°	45°	0,05	0,05	45°	45°	1,85	16,75	4,9	217040008N	▲

Abmessungen für Seegerringnuten DIN 471/472
Widths for circlip grooves DIN 471/472

P	●
M	-
K	-
N	-
S	-
H	-

B3



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CF	REL	RER	PSIRL	PSIRR	PDX	INSL	S	Trennstelle M Interface M	P20
R217.1060.27	2,7	1,5	0,4	0,4	45°	-	0,1	16,75	4,9	217020008N	Δ
R217.1100.37	3,7	2,5	0,6	0,6	45°	-	0,1	16,75	4,9	217030008N	▲
R217.1150.53	5,3	3,8	0,8	0,8	45°	-	0,1	16,75	4,9	217040008N	Δ
L217.1060.27	2,7	1,5	0,4	0,4	-	45°	0,1	16,75	4,9	217020008N	Δ

Außenbearbeitung:

Rechte WSP in rechten, linke WSP in linken Klemmhaltern verwenden.

External machining:

Use right hand inserts in right hand toolholders and left hand inserts in left hand toolholders

Innenbearbeitung:

Rechte WSP in linken, linke WSP in rechten Klemmhaltern verwenden.

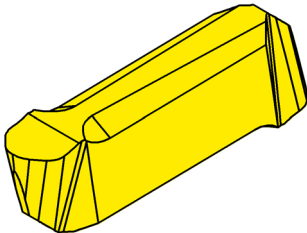
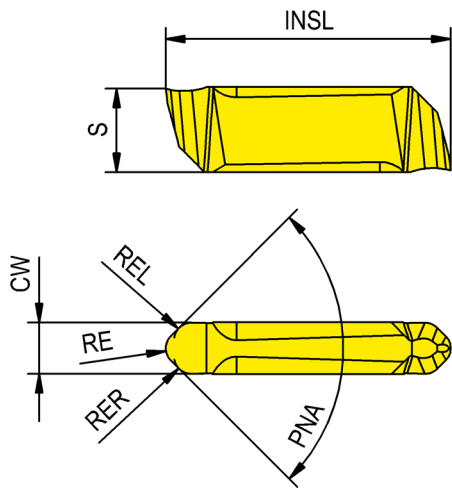
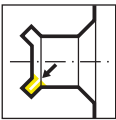
Internal machining:

Use right hand inserts in left hand toolholders and left hand inserts in right hand toolholders

Gewindefreistriche DIN 76 Form B

Thread relief DIN 76 form B

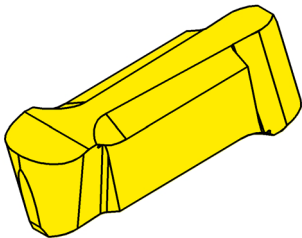
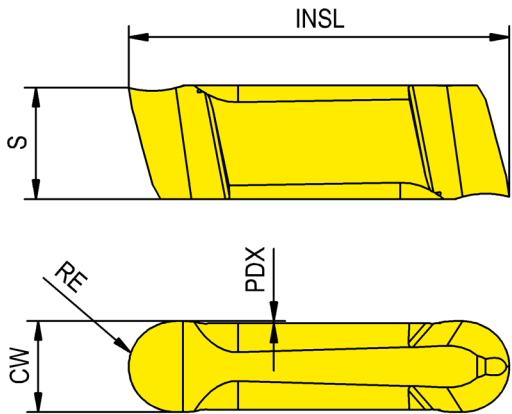
P	●
M	-
K	-
N	-
S	-
H	-



Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	RE	REL	RER	PNA	INS	S	Trennstelle M Interface M		P20	TN32
217.0602.24	2,4	0,6	0,6	0,6	90°	16,75	4,9	217020008N		▲	▲
217.0603.33	3,3	0,6	0,6	0,6	90°	16,75	4,9	217030008N		▲	
Eckenfreistiche ähnlich DIN 509 Form F Corner reliefs similar to DIN 509 form F									P	●	●
									M	-	-
									K	-	-
									N	-	-
									S	-	-
									H	-	-

B3



Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	RE	PDX	INSL	S	Trennstelle M Interface M		K10	P20	TN35
217.0010.20	2	1	0,1	16,75	4,9	217020008N		▲	▲	▲
217.0015.30	3	1,5	0,1	16,75	4,9	217030008N		Δ	▲	▲
217.0020.40	4	2	0,1	16,75	4,9	217040008N			▲	▲
217.0025.50	5	2,5	0,1	16,75	4,9	217040008N		▲	▲	
							P	●	●	●
							M	●	-	-
							K	-	-	-
							N	-	-	-
							S	o	-	-
							H	-	-	-

B3



Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 28	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,1-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 6,95	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,1-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
		•					•	•						
							•	•	•					

B4

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B4

Klemmhalter und Schneidplatten

Stechbreite 1,1 - 3 mm

Toolholder and Inserts

Width of groove 1,1 - 3 mm

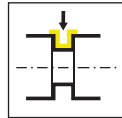
Inhaltsangabe

Summary

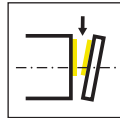
Geometrien und Vorschübe
Geometries and feed rates

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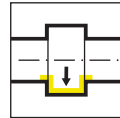
Klemmhalter
Toolholder
H223/B223



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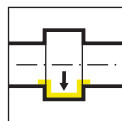


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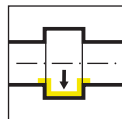
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146-149

Grundhalter
Basic toolholder
B223



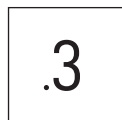
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Kassette
Cassette
BK223



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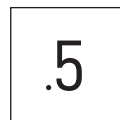
Wendeschneidplatte
Indexable insert
S223



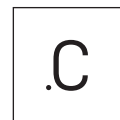
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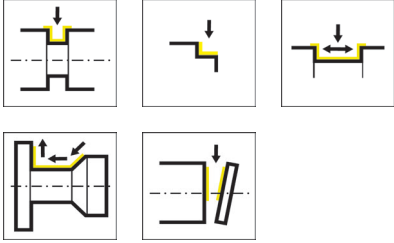
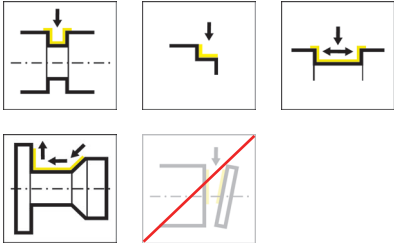
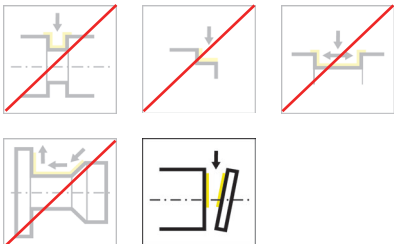
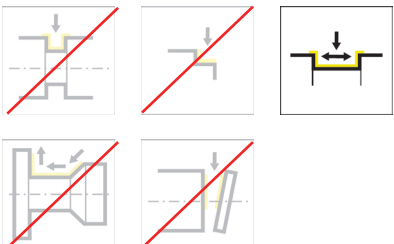
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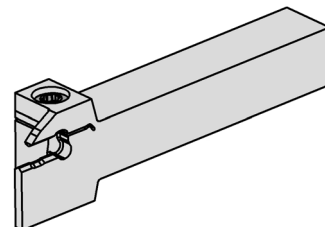
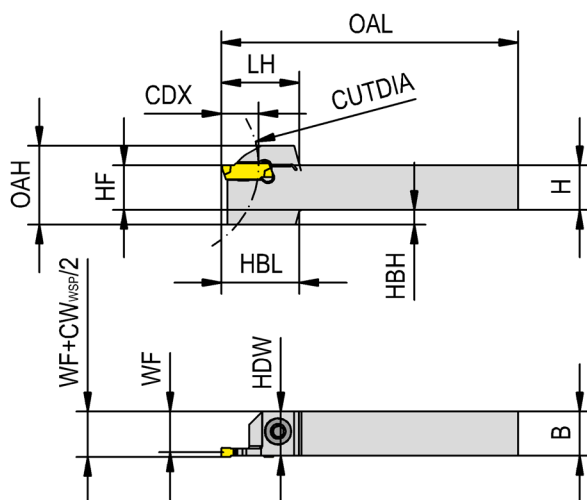
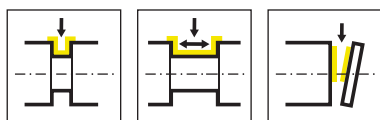


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Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
.3	P M K N S H	↓ 0,15-0,25 ↔ 0,15-0,40	
.5	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	
.C	P M K N S H	↓ 0,02-0,10	
.NC	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

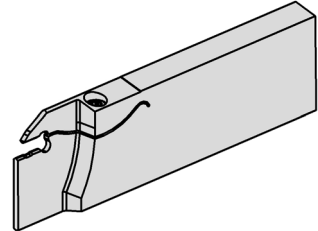
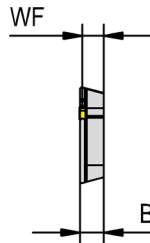
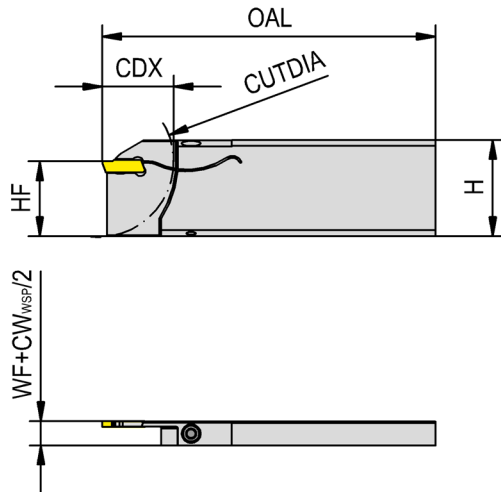
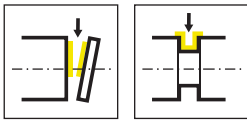
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH223.1010.01	8	25	10	10	80	20	20	16,8	12	2	9,2	10	223010008N
RH223.1010.03	8	25	10	10	80	20	20	16,8	12	2	8,8	10	223030008N
RH223.1212.01	10	50	12	12	100	21	21	21,3	-	4	11,2	12	223010008N
RH223.1212.02	10	50	12	12	100	21	21	21,3	-	4	11,05	12	223020008N
RH223.1212.03	10	50	12	12	100	21	21	21,3	-	4	10,8	12	223030008N
RH223.1616.01	10	50	16	16	125	21	-	21,3	-	-	15,2	16	223010008N
RH223.1616.02	10	50	16	16	125	21	-	21,3	-	-	15,05	16	223020008N
RH223.1616.03	10	50	16	16	125	21	-	21,3	-	-	14,8	16	223030008N
RH223.2020.01	10	50	20	20	125	21	-	25,3	-	-	19,2	20	223010008N
RH223.2020.02	10	50	20	20	125	21	-	25,3	-	-	19,05	20	223020008N
RH223.2020.03	10	50	20	20	125	21	-	25,3	-	-	18,8	20	223030008N
RH223.2525.01	10	50	25	25	150	21	-	30,3	-	-	24,2	25	223010008N
RH223.2525.02	10	50	25	25	150	21	-	30,3	-	-	24,05	25	223020008N
RH223.2525.03	10	50	25	25	150	21	-	30,3	-	-	23,8	25	223030008N
LH223.1010.01	8	25	10	10	80	20	20	16,8	12	2	9,2	10	223010008N
LH223.1212.01	10	50	12	12	100	21	21	21,3	-	4	11,2	12	223010008N
LH223.1212.02	10	50	12	12	100	21	21	21,3	-	4	11,05	12	223020008N
LH223.1212.03	10	50	12	12	100	21	21	21,3	-	4	10,8	12	223030008N
LH223.1616.01	10	50	16	16	125	21	-	21,3	-	-	15,2	16	223010008N
LH223.1616.02	10	50	16	16	125	21	-	21,3	-	-	15,05	16	223020008N
LH223.1616.03	10	50	16	16	125	21	-	21,3	-	-	14,8	16	223030008N
LH223.2020.01	10	50	20	20	125	21	-	25,3	-	-	19,2	20	223010008N
LH223.2020.02	10	50	20	20	125	21	-	25,3	-	-	19,05	20	223020008N
LH223.2020.03	10	50	20	20	125	21	-	25,3	-	-	18,8	20	223030008N
LH223.2525.01	10	50	25	25	150	21	-	30,3	-	-	24,2	25	223010008N
LH223.2525.02	10	50	25	25	150	21	-	30,3	-	-	24,05	25	223020008N
LH223.2525.03	10	50	25	25	150	21	-	30,3	-	-	23,8	25	223030008N

Ersatzteile

Spare Parts

CW siehe Wendschneidplatten
CW see indexable inserts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH223...	5.11T15P	T15PL



R = rechts wie gezeichnet
R = right hand version shown

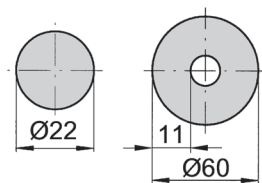
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	WF	HF	Trennstelle W Interface W
RH223.2608.01	18	50	26	7,9	110	7,1	21,4	223010008N
RH223.3208.01	18	50	32	7,9	110	7,1	24,8	223010008N
RH223.2608.02	18	50	26	7,9	110	6,15	21,4	223020008N
LH223.2608.01	18	50	26	7,9	110	7,1	21,4	223010008N
LH223.2608.03	18	50	26	7,9	110	6,7	21,4	223030008N

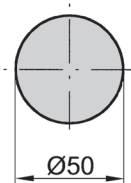
CW siehe Wendeschneidplatten
CW see indexable inserts

B4

Abstechen von Wellen/Rohren
Parting off solid bars/tubes
S223

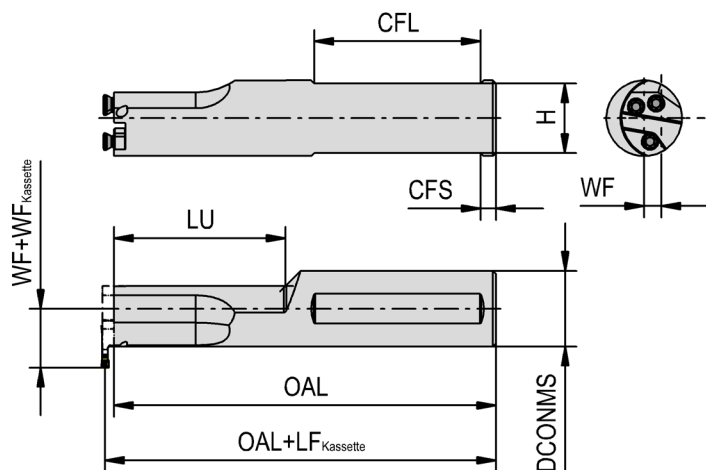
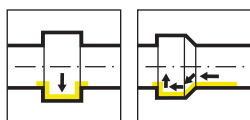


Abstechen von Wellen
Parting off solid bars
S123



Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH223...	4.15T15P	T15PL



R = rechts wie gezeichnet
R = right hand version shown

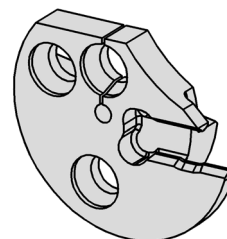
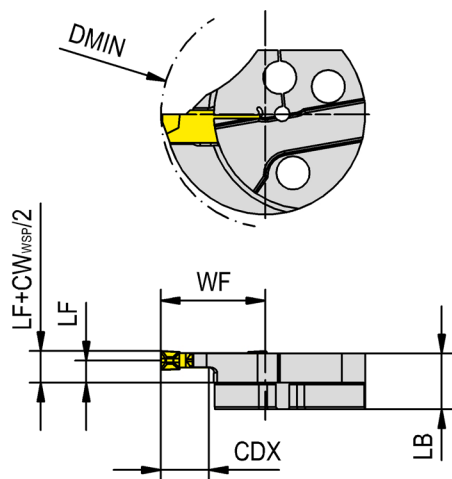
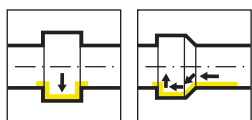
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	H	LF	LPR	LU	OAL	CFL	CFS	WF	Trennstelle W Interface W
RB223.0025.1.K2	25	23	116,1	55,1	26,1	116,1	55	5	5,7	BK001183
RB223.0025.2.K2	25	23	146,1	85,1	56,1	146,1	55	5	5,7	BK001183
RB223.0032.1.K2	32	30	146,1	85,1	26,1	146,1	55	5	9,2	BK001183
RB223.0032.2.K2	32	30	176,1	115,1	56,1	176,1	55	5	9,2	BK001183
LB223.0025.1.K2	25	23	116,1	55,1	26,1	116,1	55	5	5,7	BK001283
LB223.0025.2.K2	25	23	146,1	85,1	56,1	146,1	55	5	5,7	BK001283
LB223.0032.1.K2	32	30	146,1	85,1	26,1	146,1	55	5	9,2	BK001283
LB223.0032.2.K2	32	30	176,1	115,1	56,1	176,1	55	5	9,2	BK001283

Abmessungen für Dmin, tmax und b1 siehe Kassetten
Dimensions for Dmin, tmax and b1 see cassettes

Ersatzteile Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB223...	4.09T15P	T15PL



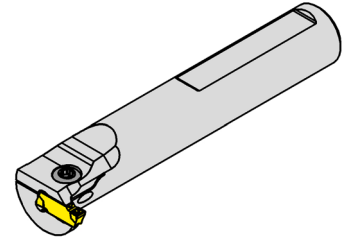
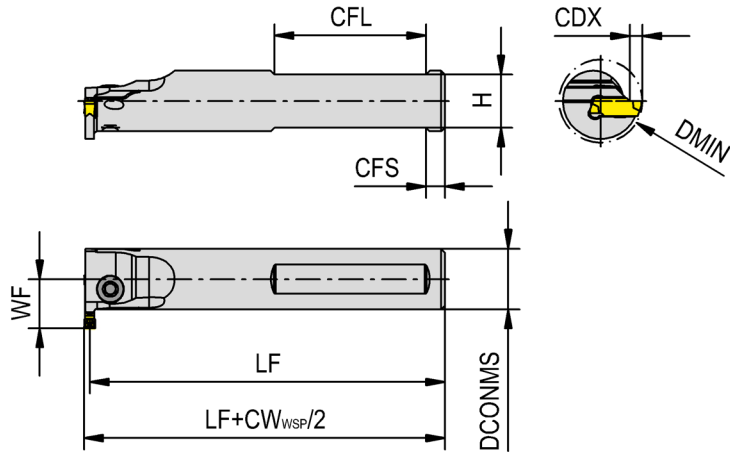
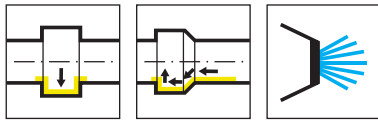
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	DMIN	WF	LF	LB	Trennstelle W Interface W	Trennstelle M Interface M
RBK223.0028.01	6,3	28	13,8	3,1	7,38	223010008N	BK001183
RBK223.0028.02	6,3	28	13,8	2,95	7,38	223020008N	BK001183
RBK223.0028.03	6,3	28	13,8	2,7	7,38	223030008N	BK001183
LBK223.0028.01	6,3	28	13,8	3,1	7,38	223010008N	BK001283
LBK223.0028.02	6,3	28	13,8	2,95	7,38	223020008N	BK001283
LBK223.0028.03	6,3	28	13,8	2,7	7,38	223030008N	BK001283

CW siehe Wendeschneidplatten
CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

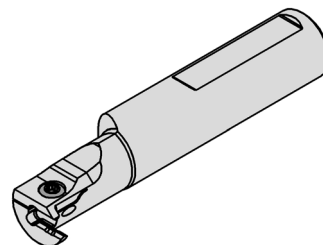
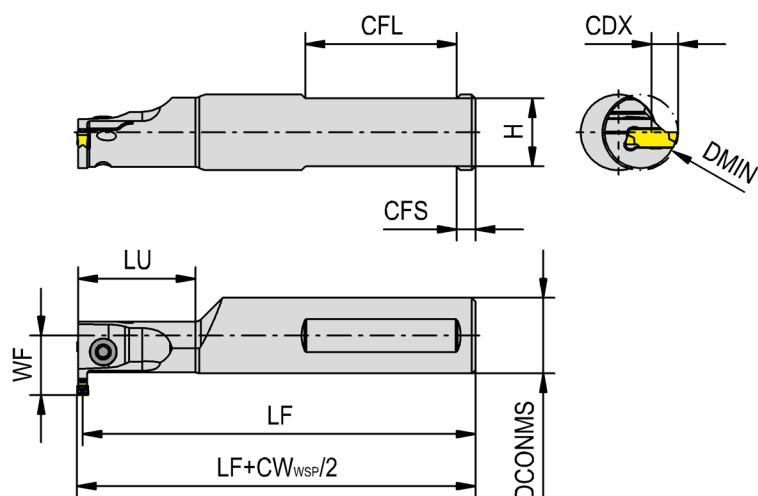
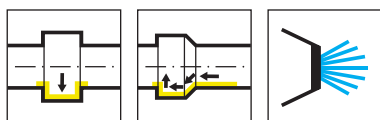
Artikelnummer Part number	CDX	DMIN	DCONMS	H	LF	CFL	CFS	WF	Trennstelle W Interface W
RB223.0016.0.42	4,5	22	16	14	109,22	55	5	13	223010008N • 223020008N
RB223.0016.0.43	4,5	22	16	14	108,83	55	5	13	223030008N
RB223.0020.0.52	5,3	27	20	18	119,22	55	5	15,7	223010008N • 223020008N
RB223.0020.0.53	5,3	27	20	18	118,83	55	5	15,7	223030008N
RB223.0025.0.62	6,3	33	25	23	149,22	55	5	19,3	223010008N • 223020008N
RB223.0025.0.63	6,3	33	25	23	148,83	55	5	19,3	223030008N
LB223.0016.0.42	4,5	22	16	14	109,22	55	5	13	223010008N • 223020008N
LB223.0016.0.43	4,5	22	16	14	108,83	55	5	13	223030008N
LB223.0020.0.52	5,3	27	20	18	119,22	55	5	15,7	223010008N • 223020008N
LB223.0020.0.53	5,3	27	20	18	118,83	55	5	15,7	223030008N
LB223.0025.0.62	6,3	33	25	23	149,22	55	5	19,3	223010008N • 223020008N
LB223.0025.0.63	6,3	33	25	23	148,83	55	5	19,3	223030008N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB223...	5.11T15P	T15PL



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

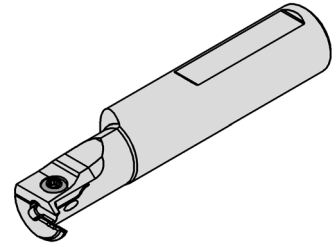
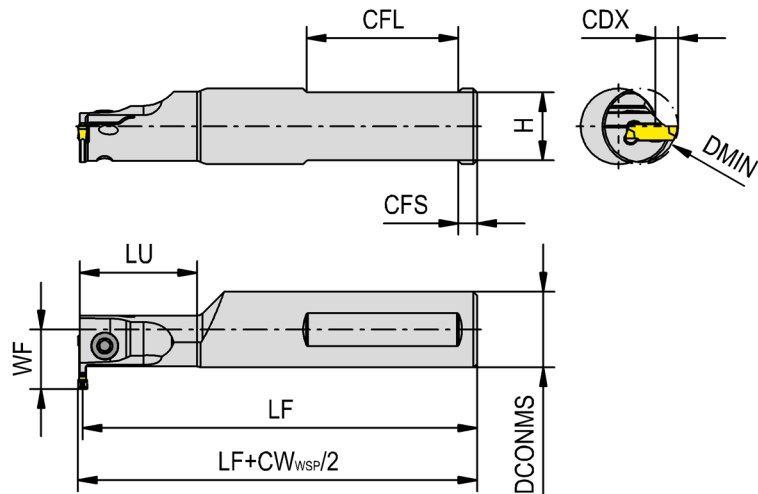
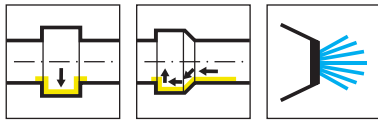
Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	LF	CFL	CFS	WF	Trennstelle W Interface W
RB223.0016.1.42	4,5	58,22	18	16	14	109,22	55	5	13	223010008N • 223020008N
RB223.0016.1.43	4,5	58,22	18	16	14	108,83	55	5	13	223030008N
RB223.0020.1.52	5,3	58,22	20	20	18	119,22	55	5	15,7	223010008N • 223020008N
RB223.0020.1.53	5,3	58,22	20	20	18	118,82	55	5	15,7	223030008N
RB223.0025.1.62	5,3	58,22	25	25	23	149,22	55	5	18,8	223010008N • 223020008N
RB223.0025.1.63	6,3	58,22	25	25	23	148,83	55	5	18,8	223030008N
LB223.0016.1.42	4,5	58,22	18	16	14	109,22	55	5	13	223010008N • 223020008N
LB223.0016.1.43	4,5	58,22	18	16	14	108,83	55	5	13	223030008N
LB223.0020.1.52	5,3	58,22	20	20	18	119,22	55	5	15,7	223010008N • 223020008N
LB223.0020.1.53	5,3	58,22	20	20	18	118,82	55	5	15,7	223030008N
LB223.0025.1.62	5,3	58,22	25	25	23	149,22	55	5	18,8	223010008N • 223020008N
LB223.0025.1.63	6,3	58,22	25	25	23	148,83	55	5	18,8	223030008N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB223...	5.11T15P	T15PL



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

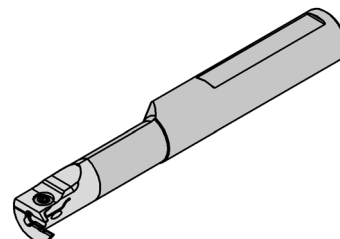
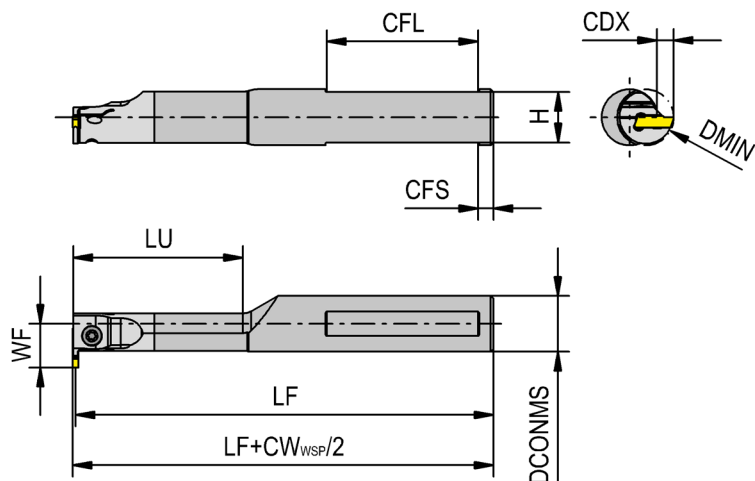
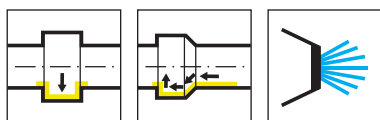
Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	LF	CFL	CFS	WF	Trennstelle W Interface W
RB223.0016.1.22	1,65	58,22	18	16	14	109,22	55	5	13	223010008N • 223020008N
RB223.0020.1.22	1,65	58,22	20	20	18	119,22	55	5	15,7	223010008N • 223020008N
LB223.0016.1.22	1,65	58,22	18	16	14	109,22	55	5	13	223010008N • 223020008N
LB223.0020.1.22	1,65	58,22	20	20	18	119,22	55	5	15,7	223010008N • 223020008N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB223...	5.11T15P	T15PL



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	LF	CFL	CFS	WF	Trennstelle W Interface W
RB223.HM16.2.42	4,5	58,22	18	16	14	129,22	55	5	13	223010008N • 223020008N
RB223.HM16.2.43	4,5	58,22	18	16	14	129,22	55	5	13	223030008N
RB223.HM20.2.52	5,3	58,22	20	20	18	149,22	55	5	15,7	223010008N • 223020008N
RB223.HM20.2.53	5,3	58,22	20	20	18	148,82	55	5	15,7	223030008N
RB223.HM25.2.62	6,3	58,22	20	25	23	159,22	55	5	18,8	223010008N • 223020008N
RB223.HM25.2.63	6,3	58,22	25	25	23	158,82	55	5	18,8	223030008N
LB223.HM16.2.42	4,5	58,22	18	16	14	129,22	55	5	13	223010008N • 223020008N
LB223.HM16.2.43	4,5	58,22	18	16	14	129,22	55	5	13	223030008N
LB223.HM20.2.52	5,3	58,22	20	20	18	149,22	55	5	15,7	223010008N • 223020008N
LB223.HM20.2.53	5,3	58,22	20	20	18	148,82	55	5	15,7	223030008N
LB223.HM25.2.62	6,3	58,22	20	25	23	159,22	55	5	18,8	223010008N • 223020008N
LB223.HM25.2.63	6,3	58,22	25	25	23	158,82	55	5	18,8	223030008N

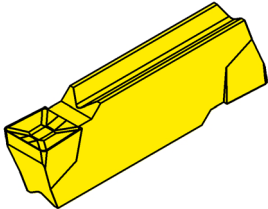
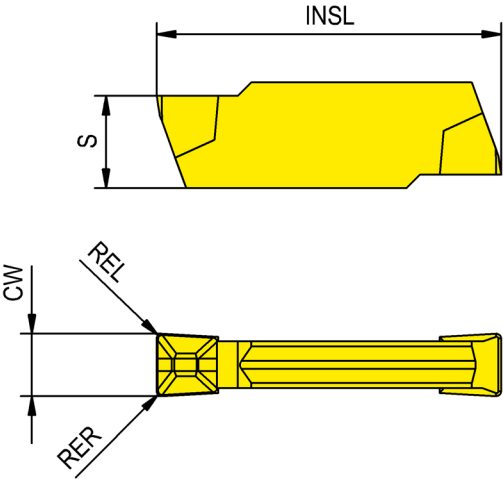
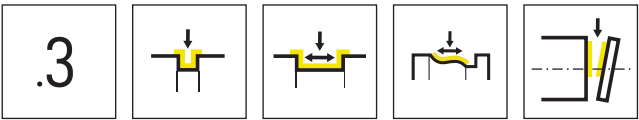
CW siehe Wendeschneidplatten
CW see indexable inserts

Hartmetallschaft
Carbide shank

Ersatzteile

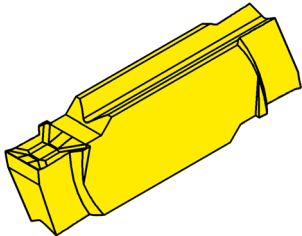
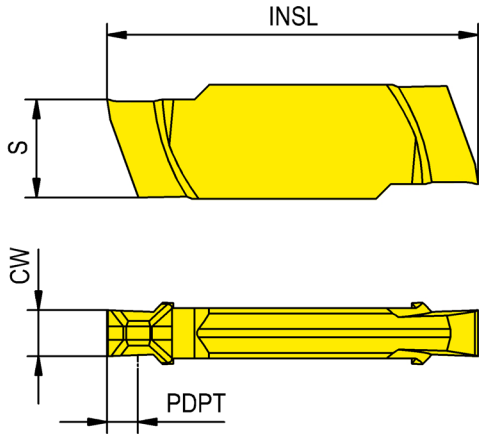
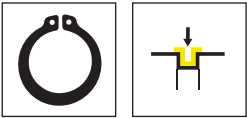
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB223...	5.11T15P	T15PL



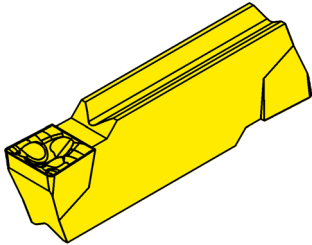
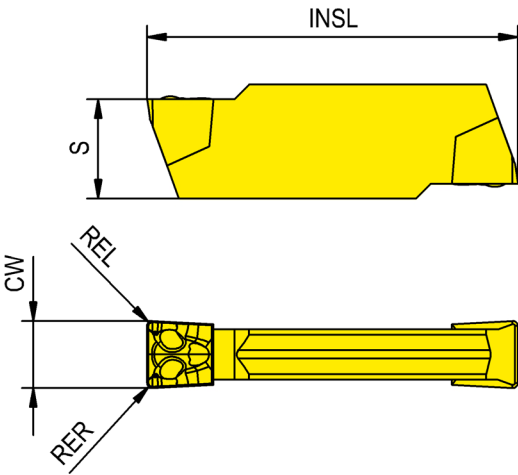
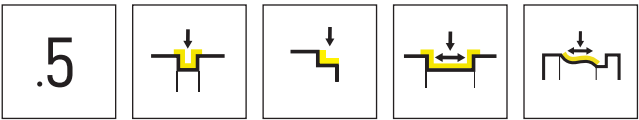
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M		EG55	H54	T125	TN35
S223.0200.32	2	0,2	0,2	14	3,65	223010008N		▲	▲	▲	▲
S223.0250.32	2,53	0,2	0,2	14	3,75	223010008N		▲	▲	▲	▲
S223.0300.32	3,03	0,2	0,2	14	3,95	223010008N		▲	▲	▲	▲
							P	●	●	●	●
							M	●	-	●	-
							K	-	-	-	-
							N	-	-	-	-
							S	-	-	-	-
							H	-	-	-	-



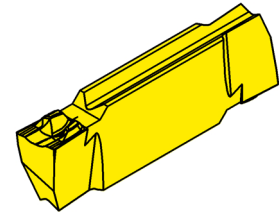
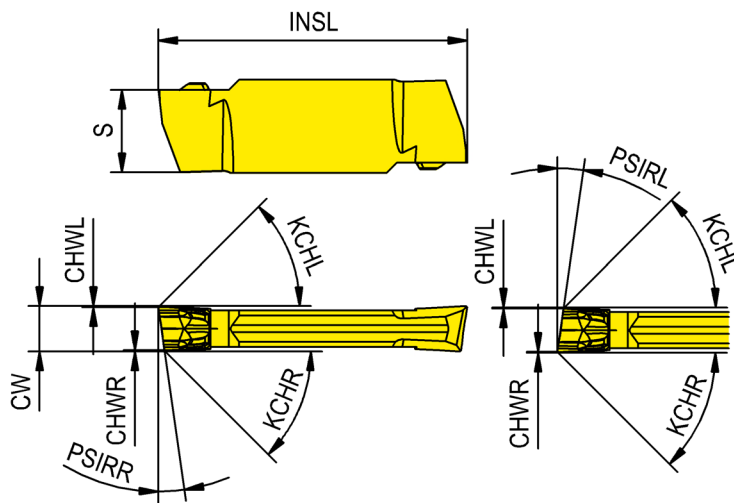
Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	RTRG	PDPT	INSL	S	Trennstelle M Interface M	TN35
S223.0110.32	1,24	1,1	0,6	14	3,75	223020008N	▲
S223.0130.32	1,44	1,3	1,1	14	3,75	223020008N	▲
S223.0160.32	1,74	1,6	1,15	14	3,75	223020008N	▲
S223.0185.32	1,99	1,85	1,4	14	3,75	223020008N	▲
S223.0215.32	2,29	2,15	1,65	14	3,75	223020008N	▲
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472							P ●
							M -
							K -
							N -
							S -
							H -



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	EG55	TH35	TI25
S223.0200.52	2	0,2	0,2	14	3,65	223010008N	▲	▲	
S223.0250.52	2,53	0,2	0,2	14	3,75	223010008N	▲		▲
S223.0300.52	3,03	0,2	0,2	14	3,95	223010008N	▲	▲	
							P	●	●
							M	-	-
							K	-	-
							N	-	-
							S	-	-
							H	-	-

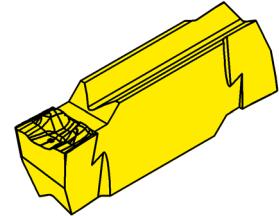
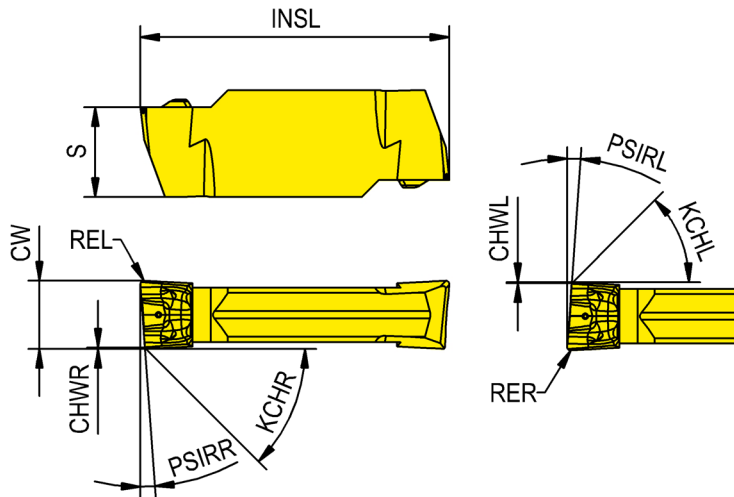
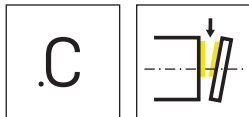


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	KCHL	KCHR	PSIRL	PSIRR	CHWL	CHWR	INSL	S	Trennstelle M Interface M	EG55	Ti25	TN35
RS223.0420.C0	2	45°	45°	-	4°	0,05	0,05	13,56	3,65	223010008N		▲	▲
RS223.0425.C0	2,5	45°	45°	-	4°	0,05	0,05	13,56	3,75	223020008N		▲	
RS223.0820.C0	2	45°	45°	-	8°	0,05	0,05	13,56	3,65	223010008N	▲	▲	▲
RS223.0825.C0	2,5	45°	45°	-	8°	0,05	0,05	13,56	3,75	223020008N	▲	▲	▲
RS223.0830.C0	3	45°	45°	-	8°	0,05	0,05	13,56	3,95	223030008N		▲	▲
RS223.1520.C0	2	45°	45°	-	15°	0,05	0,05	13,56	3,65	223010008N	▲	▲	▲
RS223.0430.C0	3	45°	45°	-	4°	0,05	0,05	13,56	3,95	223030008N			Δ
LS223.0420.C0	2	45°	45°	4°	-	0,05	0,05	13,56	3,65	223010008N			▲
LS223.0425.C0	2,5	45°	45°	4°	-	0,05	0,05	13,56	3,75	223020008N			Δ
LS223.0820.C0	2	45°	45°	8°	-	0,05	0,05	13,56	3,65	223010008N		▲	▲
LS223.0830.C0	3	45°	45°	8°	-	0,05	0,05	13,56	3,95	223030008N		Δ	Δ
LS223.1520.C0	2	45°	45°	15°	-	0,05	0,05	13,56	3,65	223010008N		▲	▲
LS223.0430.C0	3	45°	45°	4°	-	0,05	0,05	13,56	3,95	223030008N			Δ
S223.0020.C0	2	45°	45°	-	-	0,05	0,05	13,56	3,65	223010008N	▲	▲	▲
S223.0025.C0	2,5	45°	45°	-	-	0,05	0,05	13,56	3,75	223020008N		▲	
S223.0030.C0	3	45°	45°	-	-	0,05	0,05	13,56	3,95	223030008N		▲	▲
P		●	●	●									
M		-	-	-									
K		-	-	-									
N		-	-	-									
S		-	-	-									
H		-	-	-									

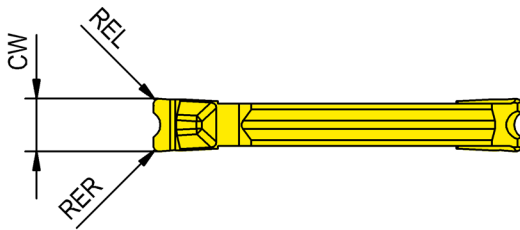
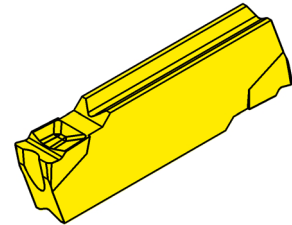
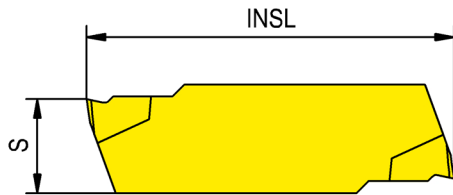


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	REL	RER	KCHL	KCHR	PSIRL	PSIRR	CHWL	CHWR	INSL	S	Trennstelle M Interface M	T125	TN35
RS223.0420.C1	2	0,15	-	-	45°	-	4°	-	0,05	13,56	3,65	223010008N	Δ	▲
RS223.0425.C1	2,5	0,15	-	-	45°	-	4°	-	0,05	13,56	3,75	223020008N	Δ	▲
RS223.0820.C1	2	0,15	-	-	45°	-	8°	-	0,05	13,56	3,65	223010008N	▲	▲
RS223.0825.C1	2,5	0,15	-	-	45°	-	8°	-	0,05	13,56	3,75	223020008N	▲	▲
RS223.1520.C1	2	0,15	-	-	45°	-	15°	-	0,05	13,56	3,65	223010008N	Δ	▲
LS223.0420.C1	2	-	0,15	45°	-	4°	-	0,05	-	13,56	3,65	223010008N		▲
LS223.0425.C1	2,5	0,15	0,15	45°	45°	4°	-	0,05	0,05	13,56	3,75	223020008N		Δ
LS223.0820.C1	2	0,15	0,15	45°	45°	8°	-	0,05	0,05	13,56	3,65	223010008N		Δ
LS223.1520.C1	2	0,15	0,15	45°	45°	15°	-	0,05	0,05	13,56	3,65	223010008N	Δ	Δ
S223.0020.C1	2	0,15	0,15	-	-	-	-	-	-	13,56	3,65	223010008N	▲	▲
S223.0025.C1	2,5	0,15	0,15	-	-	-	-	-	-	13,56	3,75	223020008N	▲	Δ
S223.0030.C1	3	0,15	0,15	-	-	-	-	-	-	13,56	3,95	223030008N	▲	▲
													P	●
													M	-
													K	-
													N	-
													S	-
													H	-



Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M		T125
S223.NC20.D2	2	0,2	0,2	14	3,55	223010008N		▲
							P	●
							M	●
							K	-
							N	-
							S	-
							H	-

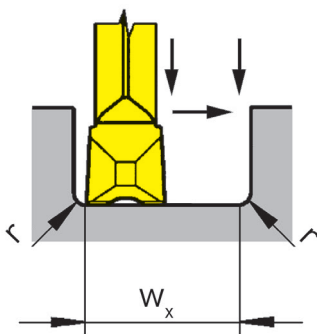
$w_x = \text{Nutbreite} - R(\text{rechts}) - R(\text{links})$
 $w_x = \text{width of groove} - R(\text{right}) - R(\text{left})$

Berechnung der kleinstmöglichen Nutbreite w_x :
Calculation of the smallest possible width of groove w_x :

$w_x = 2 \cdot \text{Schneidbreite CW (2 mm)} - 2 \cdot \text{Eckenradius r (0,2 mm, entspricht REL und RER der Schneidplatte)}$
 $2 \cdot \text{width of groove CW (2 mm)} - 2 \cdot \text{corner radius r (0,2 mm, corresponds to the REL and RER of the insert)}$

$$w_x = (2 \cdot 2 \text{ mm}) - (2 \cdot 0,2 \text{ mm})$$

$$w_x = 3,6 \text{ mm}$$



Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 28	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,1-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 6,95	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,1-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
		•					•	•						
							•	•	•					

B5

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B5

Klemmhalter und Schneidplatten

Stechbreite 2,5 - 6 mm
Stechtiefe bis 32,5 mm

Toolholder and Inserts

Width of groove 2,5 - 6 mm
Depth of groove up to 32,5 mm

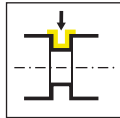
Inhaltsangabe

Summary

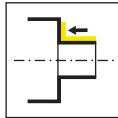
Geometrien und Vorschübe
Geometries and feed rates

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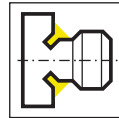
Klemmhalter
Toolholder
H224/B224



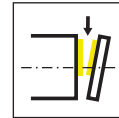
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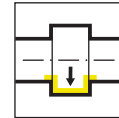
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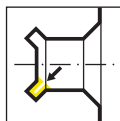
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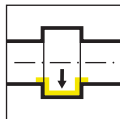


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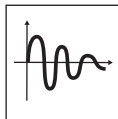
Technische Hinweise
Technical Instructions

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Grundhalter
Basic toolholder
B224

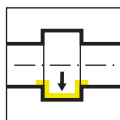


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Kassette
Cassette
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Wendeschneidplatte
Indexable insert
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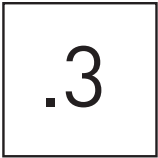
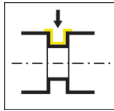
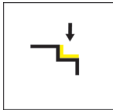
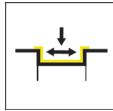
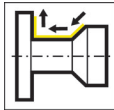
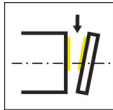
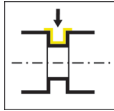
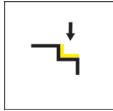
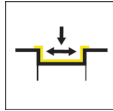
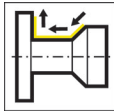
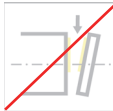
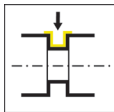
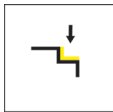
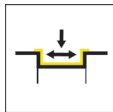
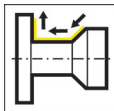
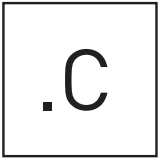
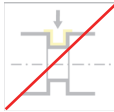
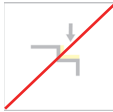
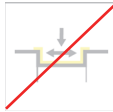
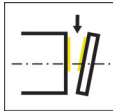
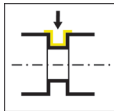
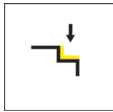
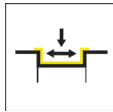
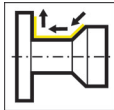
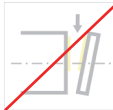
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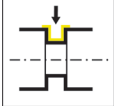
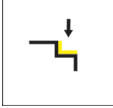
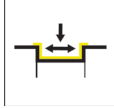
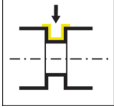
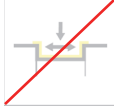
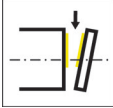
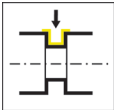
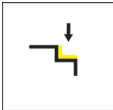
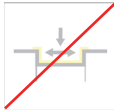
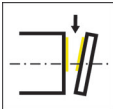
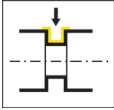
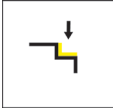
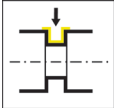
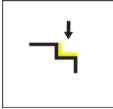
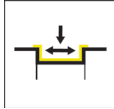
Schneidplatte
Insert
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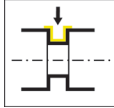
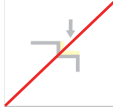
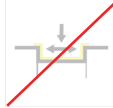
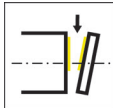
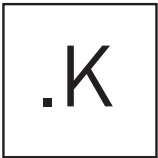
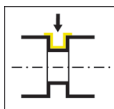
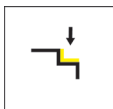
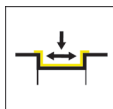
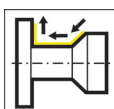
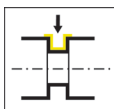
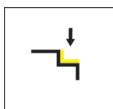
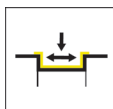
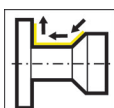
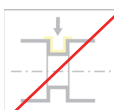
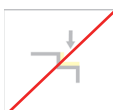
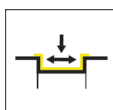
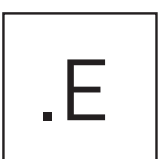
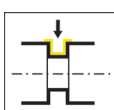
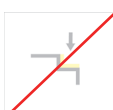
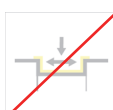
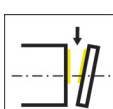
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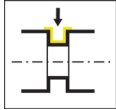
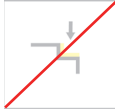
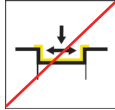
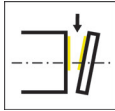
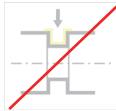
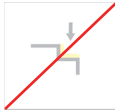
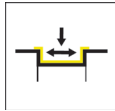
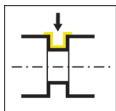
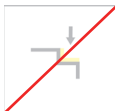
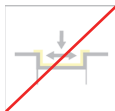
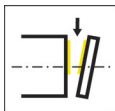
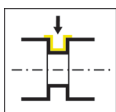
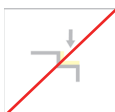
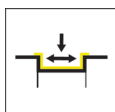
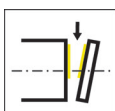
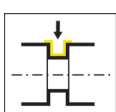
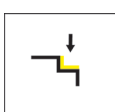
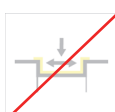
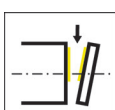
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B5

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,15-0,25 ↔ 0,15-0,40	    
	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	    
	P M K N S H	↓ 0,05-0,30 ↔ 0,10-0,30	    
	P M K N S H	↓ 0,02-0,10	    
	P M K N S H	↓ 0,03-0,15 ↔ 0,05-0,20	    

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
.ZG	P M K N S H	↓ 0,10-0,22 ↔ 0,05-0,20	    
.3V	P M K N S H	↓ 0,05-0,20	    
.EN	P M K N S H	↓ 0,10-0,45	    
.H	P M K N S H	↓ 0,15-0,25 ↔ 0,10-0,25	    
.L	P M K N S H	↓ 0,10-0,22 ↔ 0,05-0,20	    

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,07-0,25	    
	P M K N S H	↓ 0,05-0,25 ↔ 0,05-0,25	    
	P M K N S H	↓ 0,10-0,45 ↔ 0,05-0,25	    
	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	    
	P M K N S H	↓ 0,08-0,30	    

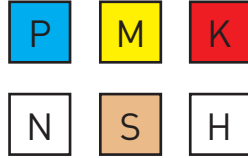
Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,03-0,15	    
	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	    
	P M K N S H	↓ 0,03-0,15	    
	P M K N S H	↓ 0,06-0,08 ↔ 0,06-0,08	    
	P M K N S H	↓ 0,05-0,15	    

Geometrie
Geometry

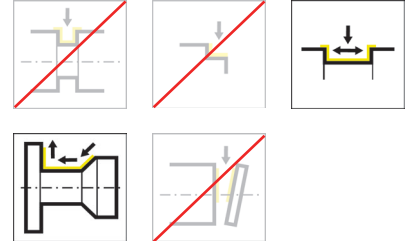
Werkstoff
Material

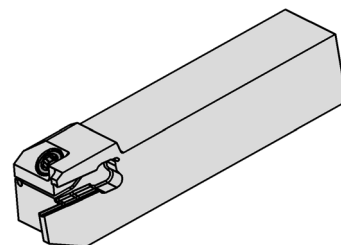
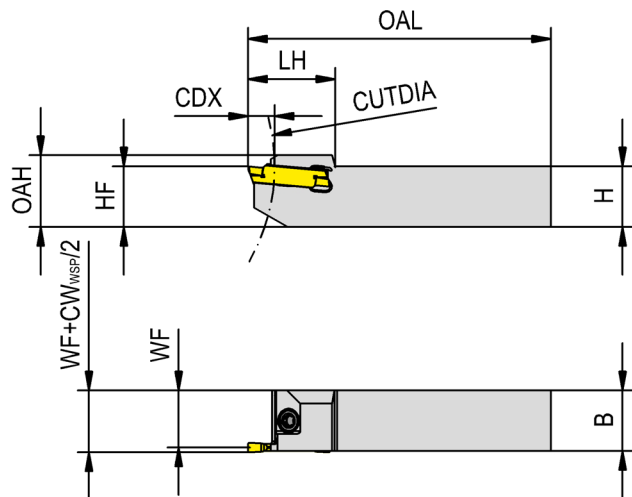
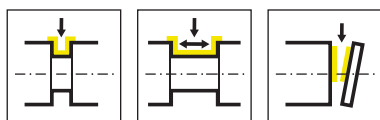
Vorschubbereich f [mm/U]
Feed rate f [mm/rev]

Bearbeitung
Machining



↔ 0,05-0,2





R = rechts wie gezeichnet
R = right hand version shown

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L = left hand version

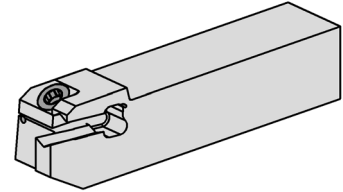
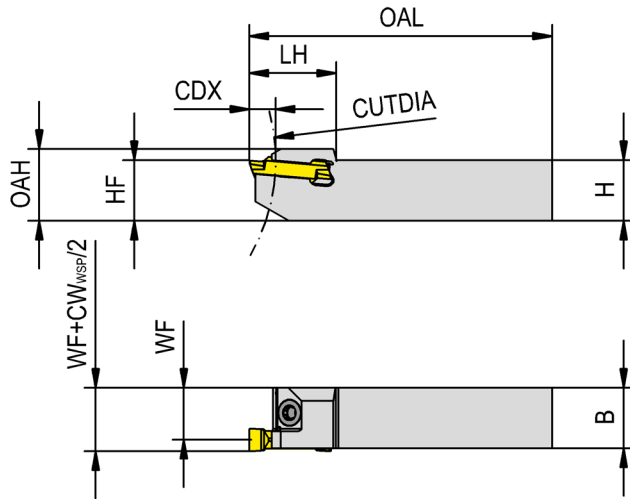
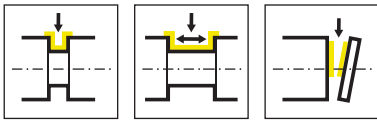
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RH224.1616.61	7	100	16	16	100	23	19	15,3	16	224010058N
RH224.2020.61	7	100	20	20	100	23	23	19,3	20	224010058N
RH224.1212.62	7	100	12	12	100	23	15	11,1	12	224020058N
RH224.1616.62	7	100	16	16	100	23	19	15,1	16	224020058N
RH224.1212.63	7	100	12	12	100	23	15	10,9	12	224030058N
RH224.1616.63	7	100	16	16	100	23	19	14,9	16	224030058N
RH224.2020.62	7	100	20	20	100	23	23	19,1	20	224020058N
RH224.1212.64	7	100	12	12	100	23	15	10,55	12	224040058N
RH224.1616.64	7	100	16	16	100	23	19	14,55	16	224040058N
RH224.2020.63	7	100	20	20	100	23	23	18,9	20	224030058N
RH224.2020.64	7	100	20	20	100	23	23	18,55	20	224040058N
LH224.1212.61	7	100	12	12	100	23	15	11,3	12	224010058N
LH224.1616.61	7	100	16	16	100	23	19	15,3	16	224010058N
LH224.2020.61	7	100	20	20	100	23	23	19,3	20	224010058N
LH224.1212.62	7	100	12	12	100	23	15	11,1	12	224020058N
LH224.1212.63	7	100	12	12	100	23	15	10,9	12	224030058N
LH224.2020.62	7	100	20	20	100	23	23	19,1	20	224020058N
LH224.1616.63	7	100	16	16	100	23	19	14,9	16	224030058N
LH224.1212.64	7	100	12	12	100	23	15	10,55	12	224040058N
LH224.1616.64	7	100	16	16	100	23	19	14,55	16	224040058N
LH224.2020.63	7	100	20	20	100	23	23	18,9	20	224030058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	4.12T15EP	T15PL



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

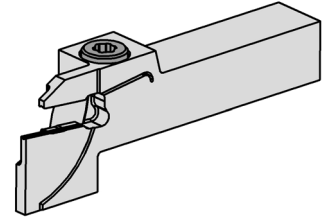
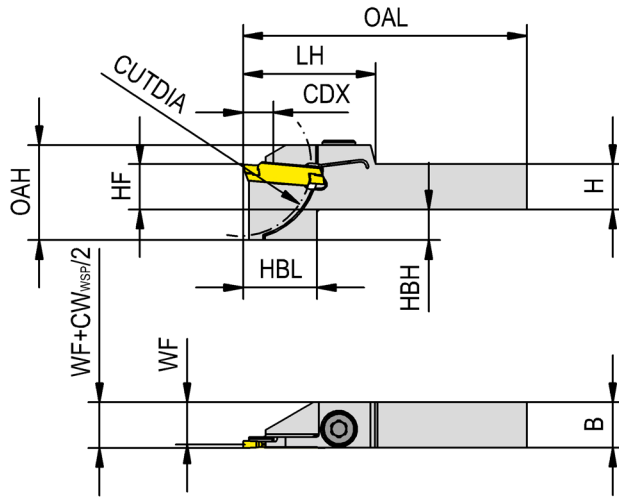
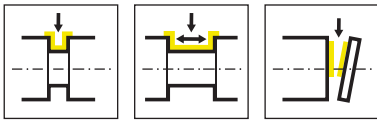
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RH224.1616.65	7	100	16	16	100	23	19	14,15	16	224050058N
RH224.2020.66	7	100	20	20	100	23	23	17,75	20	224060058N
RH224.1616.66	7	100	16	16	100	23	19	13,75	16	224060058N
LH224.1616.65	7	100	16	16	100	23	19	14,15	16	224050058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RH224...	5.13T20EP	T20PQ



R = rechts wie gezeichnet

R = right hand version shown

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH224.1212.81	8,2	16,4	12	12	95	35	19,5	25	8	11,1	12	224010058N

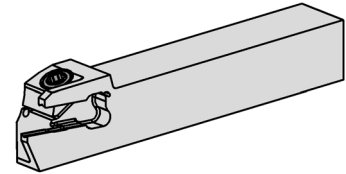
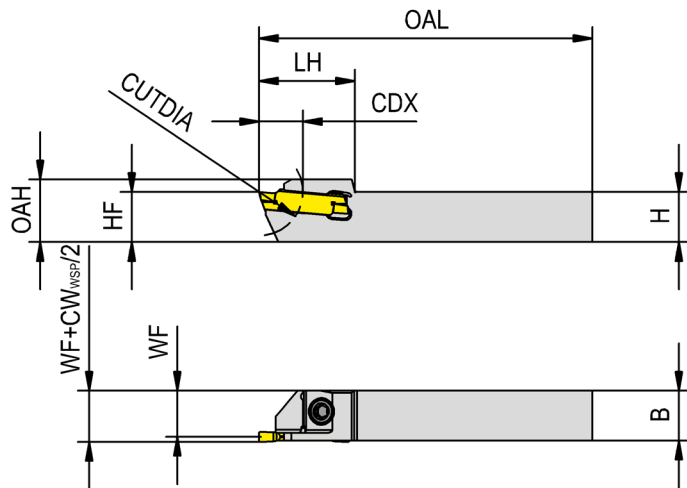
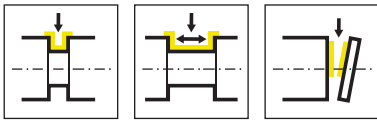
CW siehe Wendschneidplatten

CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RH224.1212.81	6.17T25P	T25PQ



R = rechts spiegelbildlich
R = right hand version

L = links spiegelbildlich
L = left hand version

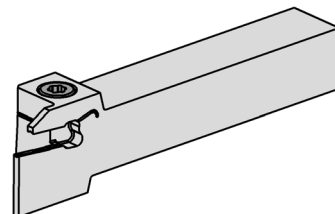
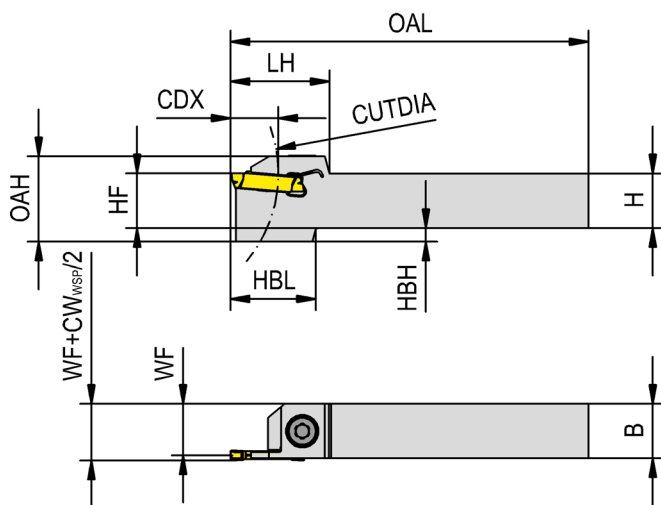
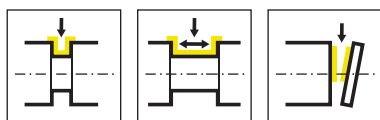
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
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RH224.1212.20.62	10,5	21	12	12	100	23	15	11,1	12	224020058N
RH224.1212.20.63	10,5	21	12	12	100	23	15	10,9	12	224030058N
LH224.1212.20.61	10,5	21	12	12	100	23	15	11,3	12	224010058N
LH224.1212.20.62	10,5	21	12	12	100	23	15	11,1	12	224020058N
LH224.1212.20.63	10,5	21	12	12	100	23	15	10,9	12	224030058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	4.12T15EP	T15PQ



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L = links spiegelbildlich
L = left hand version

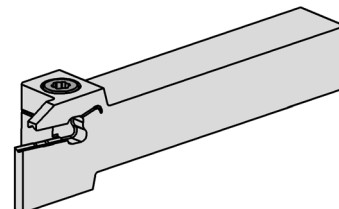
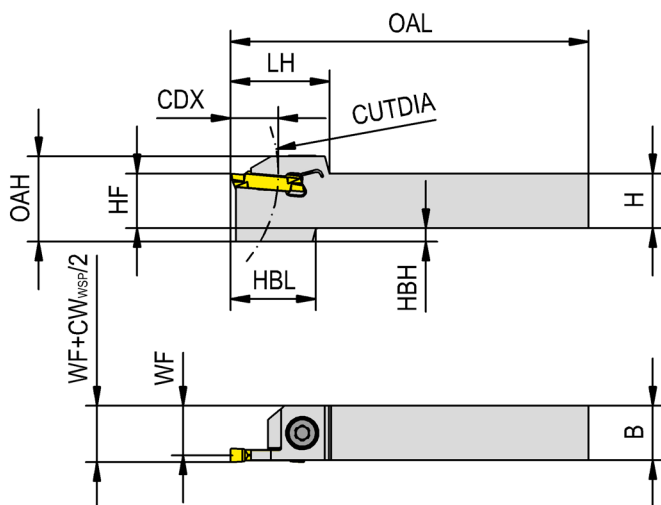
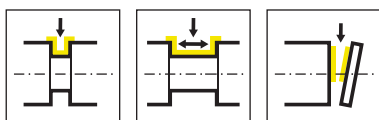
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
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RH224.2020.01	14	80	20	20	125	29	-	25	-	19,3	20	224010058N
RH224.2525.01	14	80	25	25	150	29	-	30	-	24,3	25	224010058N
RH224.1616.02	14	80	16	16	125	29	25	25	4	15,1	16	224020058N
RH224.2020.02	14	80	20	20	125	29	-	25	-	19,1	20	224020058N
RH224.2525.02	14	80	25	25	150	29	-	30	-	24,1	25	224020058N
RH224.1616.03	14	80	16	16	125	29	25	25	4	14,9	16	224030058N
RH224.2020.03	14	80	20	20	125	29	-	25	-	18,9	20	224030058N
RH224.2525.03	14	80	25	25	150	29	-	30	-	23,9	25	224030058N
LH224.1616.01	14	80	16	16	125	29	25	25	4	15,3	16	224010058N
LH224.2020.01	14	80	20	20	125	29	-	25	-	19,3	20	224010058N
LH224.2525.01	14	80	25	25	150	29	-	30	-	24,3	25	224010058N
LH224.1616.02	14	80	16	16	125	29	25	25	4	15,1	16	224020058N
LH224.2020.02	14	80	20	20	125	29	-	25	-	19,1	20	224020058N
LH224.2525.02	14	80	25	25	150	29	-	30	-	24,1	25	224020058N
LH224.1616.03	14	80	16	16	125	29	25	25	4	14,9	16	224030058N
LH224.2020.03	14	80	20	20	125	29	-	25	-	18,9	20	224030058N
LH224.2525.03	14	80	25	25	150	29	-	30	-	23,9	25	224030058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	6.23T25P	T25PQ



R = rechts wie gezeichnet
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L = left hand version

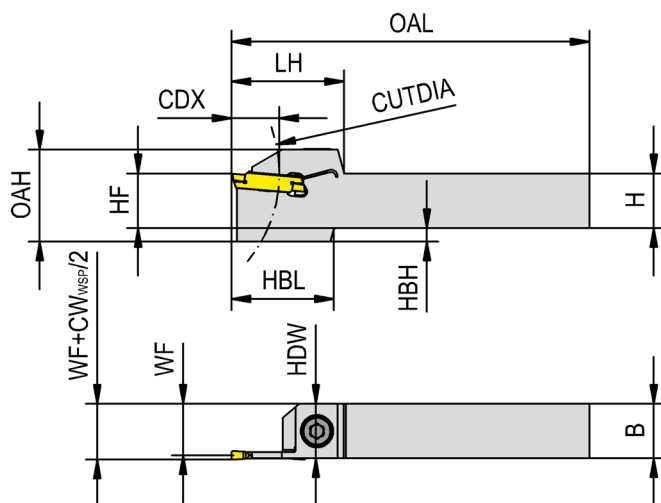
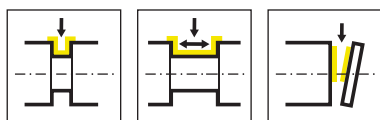
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH224.1616.04	14	80	16	16	125	29	25	25	4	14,55	16	224040058N
RH224.2020.04	14	80	20	20	125	29	-	25	-	18,55	20	224040058N
RH224.2525.04	14	80	25	25	150	29	-	30	-	23,55	25	224040058N
RH224.1616.05	14	80	16	16	125	29	25	25	4	14,15	16	224050058N
RH224.2020.05	14	80	20	20	125	29	-	25	-	18,15	20	224050058N
RH224.2525.05	14	80	25	25	150	29	-	30	-	23,15	25	224050058N
RH224.2020.06	14	80	20	20	125	29	-	25	-	17,75	20	224060058N
RH224.2525.06	14	80	25	25	150	29	-	30	-	22,75	25	224060058N
LH224.1616.04	14	80	16	16	125	29	25	25	4	14,55	16	224040058N
LH224.2020.04	14	80	20	20	125	29	-	25	-	18,55	20	224040058N
LH224.2525.04	14	80	25	25	150	29	-	30	-	23,55	25	224040058N
LH224.2020.05	14	80	20	20	125	29	-	25	-	18,15	20	224050058N
LH224.2525.05	14	80	25	25	150	29	-	30	-	23,15	25	224050058N
LH224.2020.06	14	80	20	20	125	29	-	25	-	17,75	20	224060058N
LH224.2525.06	14	80	25	25	150	29	-	30	-	22,75	25	224060058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

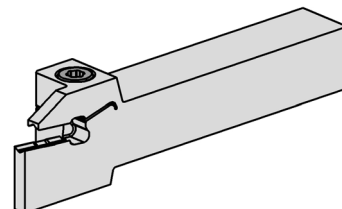
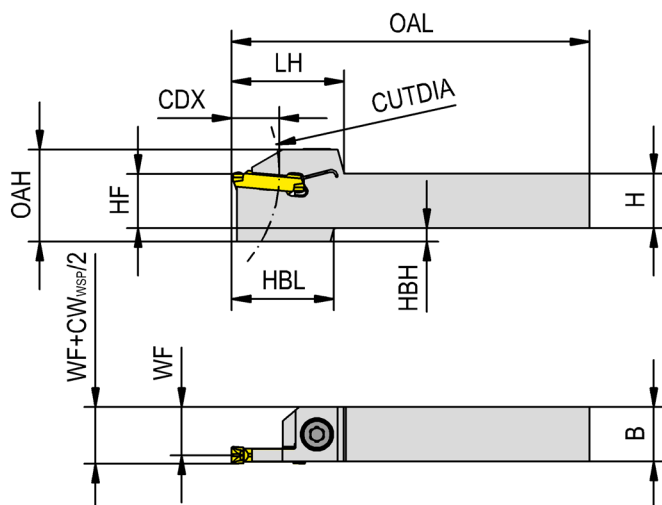
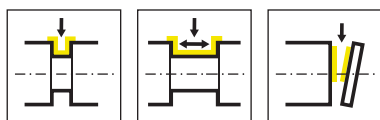
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH224.1616.21	18	80	16	16	125	33	30	27	-	4	15,3	16	224010058N
RH224.1212.21	18	80	12	12	125	33	33	27	16	8	11,3	12	224010058N
RH224.2020.21	18	80	20	20	125	33	-	27	-	-	19,3	20	224010058N
RH224.2525.21	18	80	25	25	150	33	-	32	-	-	24,3	25	224010058N
RH224.1608.02	14	80	16	8	100	33	30	27	-	4	7,1	16	224020058N
RH224.1616.22	18	80	16	16	125	33	30	27	-	4	15,1	16	224020058N
RH224.2020.22	18	80	20	20	125	33	-	27	-	-	19,1	20	224020058N
RH224.2525.22	18	80	25	25	150	33	-	32	-	-	24,1	25	224020058N
RH224.1212.22	18	80	12	12	125	33	33	27	16	8	11,1	12	224020058N
RH224.1608.23	18	80	16	8	100	33	30	27	-	4	6,9	16	224030058N
RH224.1616.23	18	80	16	16	125	33	30	27	-	4	14,9	16	224030058N
RH224.2020.23	18	80	20	20	125	33	-	27	-	-	18,9	20	224030058N
RH224.2525.23	18	80	25	25	150	33	-	32	-	-	23,9	25	224030058N
RH224.1212.23	18	80	12	12	125	33	33	27	16	8	10,9	12	224030058N
LH224.1212.21	18	80	12	12	125	33	33	27	16	8	11,3	12	224010058N
LH224.1616.21	18	80	16	16	125	33	30	27	-	4	15,3	16	224010058N
LH224.2020.21	18	80	20	20	125	33	-	27	-	-	19,3	20	224010058N
LH224.2525.21	18	80	25	25	150	33	-	32	-	-	24,3	25	224010058N
LH224.1616.22	18	80	16	16	125	33	30	27	-	4	15,1	16	224020058N
LH224.2020.22	18	80	20	20	125	33	-	27	-	-	19,1	20	224020058N
LH224.1212.22	18	80	12	12	125	33	33	27	16	8	11,1	12	224020058N
LH224.2525.22	18	80	25	25	150	33	-	32	-	-	24,1	25	224020058N
LH224.1608.23	18	80	16	8	100	33	30	27	-	4	6,9	16	224030058N
LH224.1616.23	18	80	16	16	125	33	30	27	-	4	14,9	16	224030058N
LH224.2020.23	18	80	20	20	125	33	-	27	-	-	18,9	20	224030058N
LH224.2525.23	18	80	25	25	150	33	-	32	-	-	23,9	25	224030058N
LH224.1212.23	18	80	12	12	125	33	33	27	16	8	10,9	12	224030058N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	6.23T25P	T25PQ
RH224.1608.02/23	4.15T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

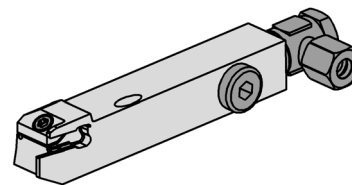
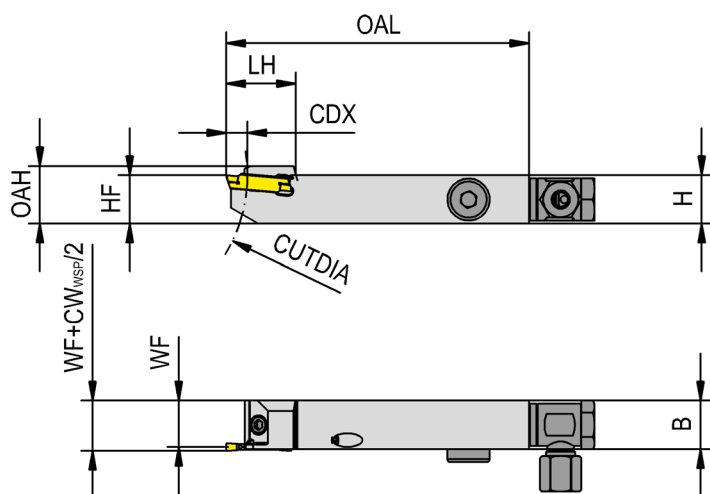
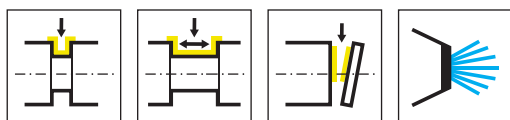
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
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RH224.2020.24	18	80	20	20	125	33	-	27	-	18,55	20	224040058N
RH224.2525.24	18	80	25	25	150	33	-	32	-	23,55	25	224040058N
RH224.1616.25	18	80	16	16	125	33	30	27	4	14,15	16	224050058N
RH224.2020.25	18	80	20	20	125	33	-	27	-	18,15	20	224050058N
RH224.2525.25	18	80	25	25	150	33	-	32	-	23,15	25	224050058N
RH224.1616.26	18	80	16	16	125	33	30	27	4	13,75	16	224060058N
RH224.2020.26	18	80	20	20	125	33	-	27	-	17,75	20	224060058N
RH224.2525.26	18	80	25	25	150	33	-	32	-	22,75	25	224060058N
LH224.1616.24	18	80	16	16	125	33	30	27	4	14,55	16	224040058N
LH224.2020.24	18	80	20	20	125	33	-	27	-	18,55	20	224040058N
LH224.2525.24	18	80	25	25	150	33	-	32	-	23,55	25	224040058N
LH224.2020.25	18	80	20	20	125	33	-	27	-	18,15	20	224050058N
LH224.2525.25	18	80	25	25	150	33	-	32	-	23,15	25	224050058N
LH224.2020.26	18	80	20	20	125	33	-	27	-	17,75	20	224060058N
LH224.2525.26	18	80	25	25	150	33	-	32	-	22,75	25	224060058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

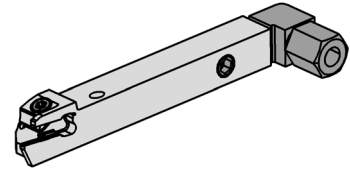
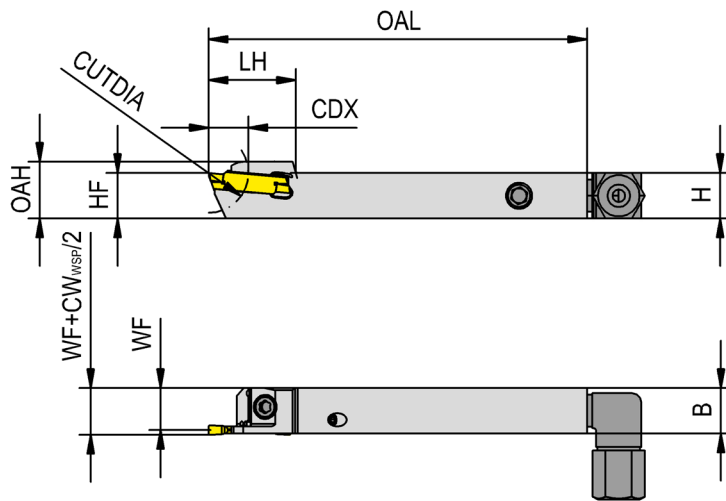
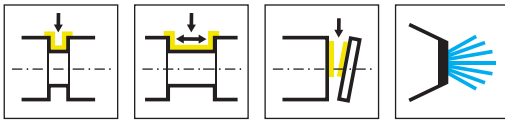
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH224.1212.61.IK	7	100	12	12	100	23	15	11,3	12	224010058N
RH224.1616.61.IK	7	100	16	16	100	23	19	15,3	16	224010058N
RH224.2020.61.IK	7	100	20	20	100	23	23	19,3	20	224010058N
RH224.1212.62.IK	7	100	12	12	100	23	15	11,1	12	224020058N
RH224.1616.62.IK	7	100	16	16	100	23	19	15,1	16	224020058N
RH224.2020.62.IK	7	100	20	20	100	23	23	19,1	20	224020058N
RH224.1212.63.IK	7	100	12	12	100	23	15	10,9	12	224030058N
RH224.1616.63.IK	7	100	16	16	100	23	19	14,9	16	224030058N
RH224.2020.63.IK	7	100	20	20	100	23	23	18,9	20	224030058N
RH224.1616.64.IK	7	100	16	16	100	23	19	14,55	16	224040058N
RH224.2020.64.IK	7	100	20	20	100	23	23	18,55	20	224040058N
LH224.1212.61.IK	7	100	12	12	100	23	15	11,3	12	224010058N
LH224.1616.61.IK	7	100	16	16	100	23	19	15,3	16	224010058N
LH224.2020.61.IK	7	100	20	20	100	23	23	19,3	20	224010058N
LH224.1616.62.IK	7	100	16	16	100	23	19	15,1	16	224020058N
LH224.2020.62.IK	7	100	20	20	100	23	23	19,1	20	224020058N
LH224.1212.63.IK	7	100	12	12	100	23	15	10,9	12	224030058N
LH224.1616.63.IK	7	100	16	16	100	23	19	14,9	16	224030058N
LH224.2020.63.IK	7	100	20	20	100	23	23	18,9	20	224030058N
LH224.1616.64.IK	7	100	16	16	100	23	19	14,55	16	224040058N
LH224.2020.64.IK	7	100	20	20	100	23	23	18,55	20	224040058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/LH224.1212...	4.12T15EP	004.00.22	T15PQ	
R/LH224...	4.12T15EP	004.00.16	T15PQ	004.00.26



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

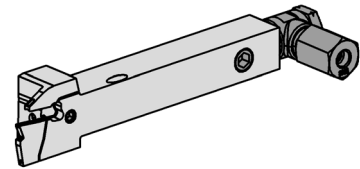
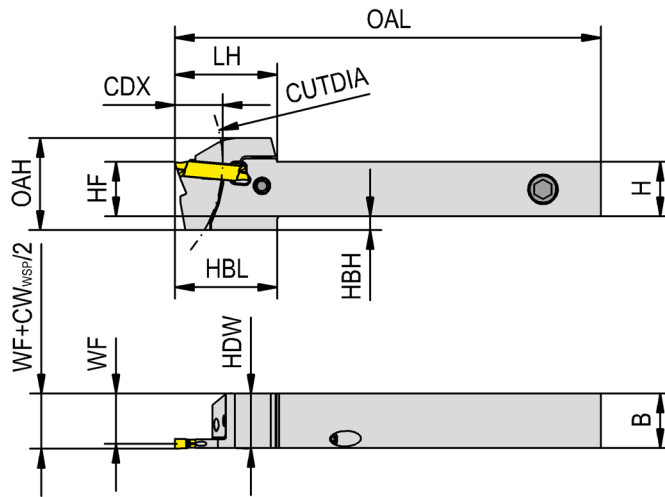
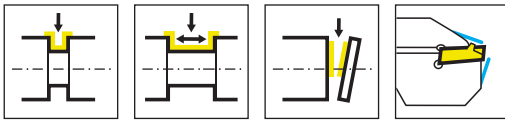
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RH224.1212.20.61.IK	10,5	21	12	12	100	23	15	11,3	12	224010058N
RH224.1212.20.62.IK	10,5	21	12	12	100	23	15	11,1	12	224020058N
RH224.1212.20.63.IK	10,5	21	12	12	100	23	15	10,9	12	224030058N
LH224.1212.20.61.IK	10,5	21	12	12	100	23	15	11,3	12	224010058N
LH224.1212.20.63.IK	10,5	21	12	12	100	23	15	10,9	12	224030058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	4.12T15EP	004.00.22	T15PL

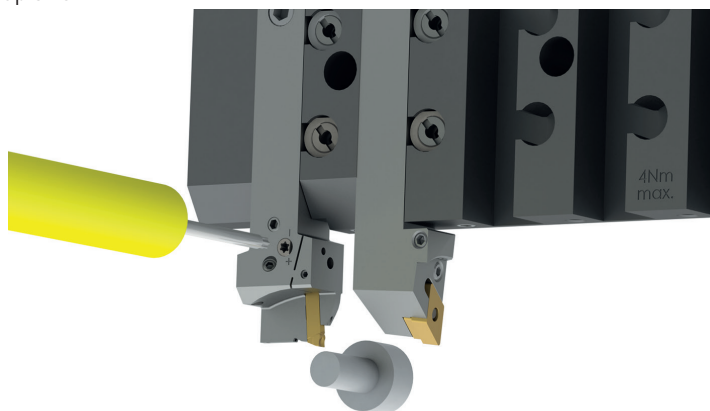


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH224.1212.14.5L.02.IK	14	80	12	12	100	30	34	27	16	8	11,2	12	224010058N
RH224.1212.14.5L.03.IK	14	80	12	12	100	30	34	27	16	8	10,75	12	224030058N
RH224.1212.14.5L.25.IK	14	80	12	12	100	30	34	27	16	8	10,95	12	224020058N
RH224.1616.14.5L.02.IK	14	80	16	16	125	30	30	27	-	4	15,2	16	224010058N
RH224.1616.14.5L.03.IK	14	80	16	16	125	30	30	27	-	4	14,75	16	224030058N
RH224.1616.14.5L.25.IK	14	80	16	16	125	30	30	27	-	4	14,95	16	224020058N
LH224.1212.14.5L.02.IK	14	80	12	12	100	30	34	27	16	8	11,2	12	224010058N
LH224.1212.14.5L.03.IK	14	80	12	12	100	30	34	27	16	8	10,75	12	224030058N
LH224.1212.14.5L.25.IK	14	80	12	12	100	30	34	27	16	8	10,95	12	224020058N
LH224.1616.14.5L.02.IK	14	80	16	16	125	30	30	27	-	4	15,2	16	224010058N
LH224.1616.14.5L.03.IK	14	80	16	16	125	30	30	27	-	4	14,75	16	224030058N

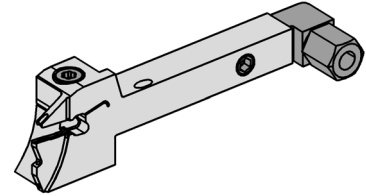
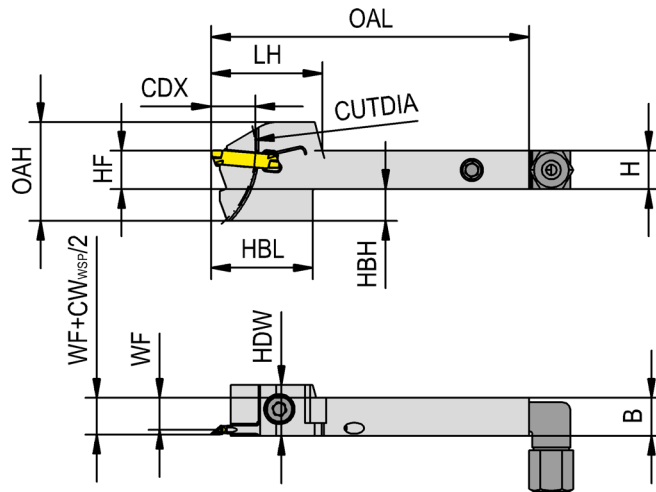
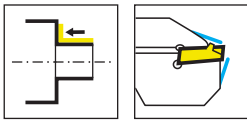
CW siehe Wendeschneidplatten
CW see indexable inserts



Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply
R/LH224.1212.14.5L...	004.00.22
R/LH224.1616.14.5L.02.	004.00.16
R/LH224.1616.14.5L.03.	004.00.16
RH224.1616.14.5L.25.IK	004.00.16



R = rechts wie gezeichnet
R = right hand version shown

L = links wie gezeichnet
L = left hand version shown

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH224.1212.S.6.03.IK	14	60	12	12	100	35	32	31	16	10	10,05	12	224030058R • 224030058L
RH224.1616.S.6.03.IK	14	60	16	16	125	35	32	34	-	9	14,05	16	224030058R • 224030058L
LH224.1212.S.6.03.IK	14	60	12	12	100	35	32	31	16	10	10,05	12	224030058R • 224030058L
LH224.1616.S.6.03.IK	14	60	16	16	125	35	32	34	-	9	14,05	16	224030058R • 224030058L

für Schneidplatte S224...PT...
for insert S224...PT...

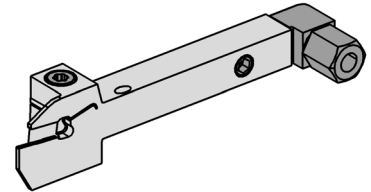
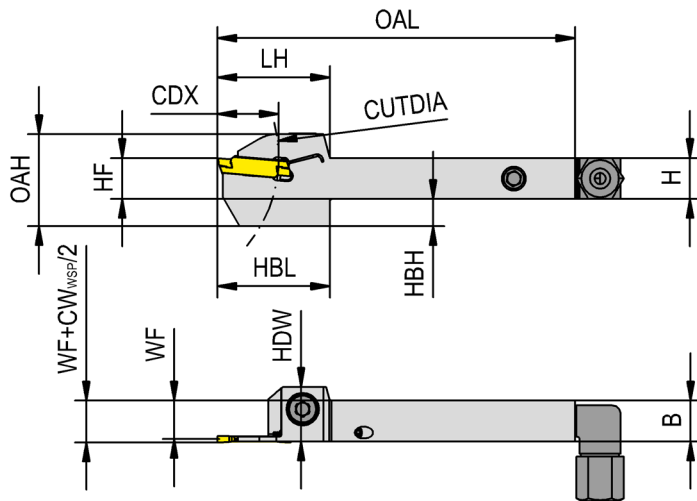
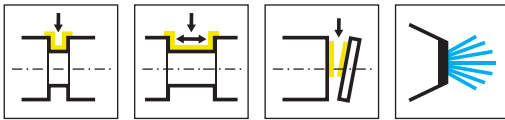
CW siehe Wendeschneidplatten
CW see indexable inserts

B5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/LH224.1212.S.6.03.IK	004.00.22	6.23T25P	T25PQ	
R/LH224.1616.S.6.03.IK	004.00.16	6.23T25P	T25PQ	004.00.26



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

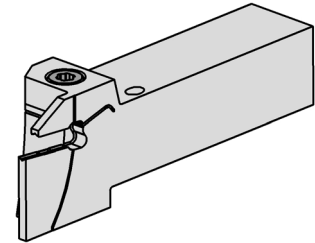
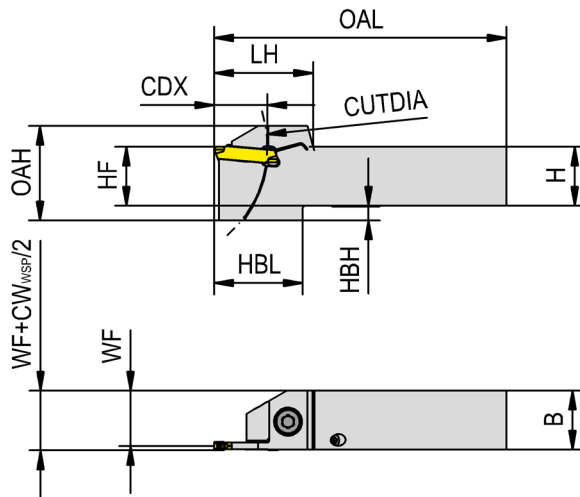
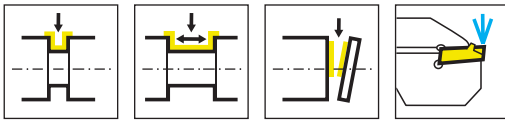
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH224.1212.21.IK	18	80	12	12	125	33	33	27	16	8	11,3	12	224010058N
RH224.1212.23.IK	18	80	12	12	125	33	33	27	16	8	10,9	12	224030058N
LH224.1212.21.IK	18	80	12	12	125	33	33	27	16	8	11,3	12	224010058N
LH224.1212.23.IK	18	80	12	12	125	33	33	27	16	8	10,9	12	224030058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	004.00.22	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH224.1616.3.23.IK	18	80	16	16	87	33,5	33	32	9	14,75	16	224030059N
RH224.2020.3.23.IK	18	80	20	20	99	33,5	30	32	5	18,75	20	224030059N
RH224.2525.3.23.IK	18	80	25	25	114	33,5	30	37	5	23,75	25	224030059N
LH224.2020.3.23.IK	18	80	20	20	99	33,5	30	32	5	18,75	20	224030059N
LH224.2525.3.23.IK	18	80	25	25	114	33,5	30	37	5	23,75	25	224030059N

Interner Kühlmittelanschluss mittels Langloch.
Internal coolant connection through slotted hole.

CW siehe Wendeschneidplatten
CW see indexable inserts

B5

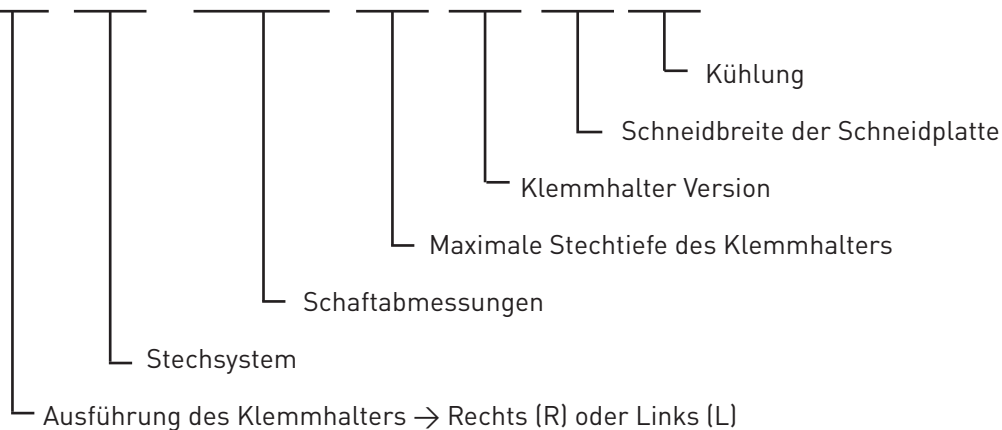
Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	6.23T25P	T25PQ

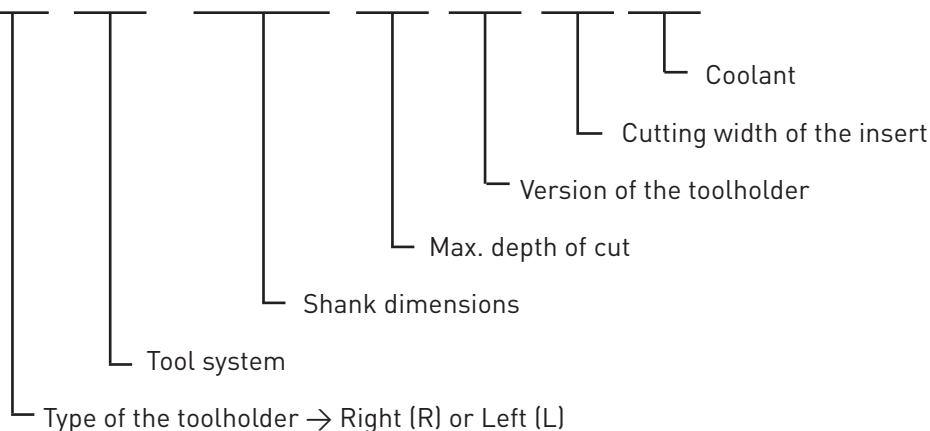
Nummernschlüssel der Klemmhalter:

RH224.2020.18.0A.05.IK



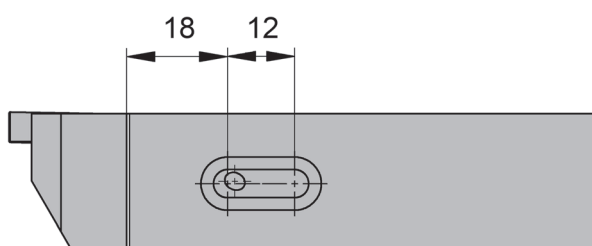
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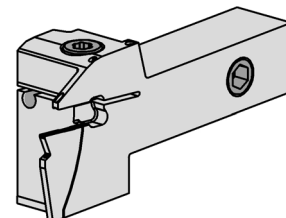
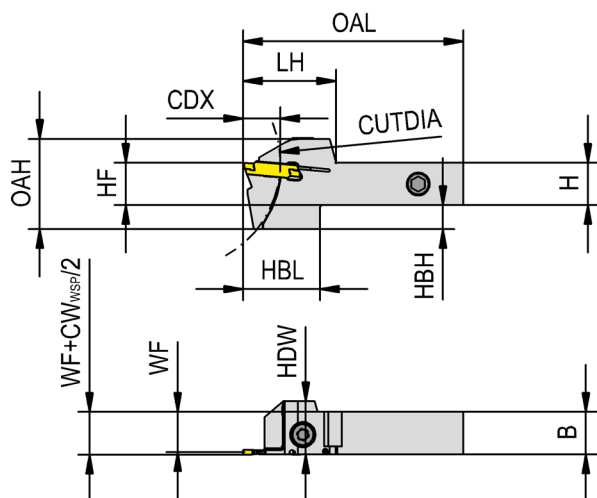
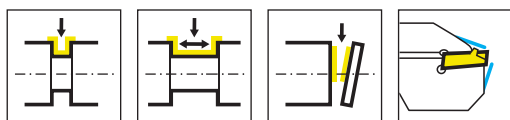
RH224.2020.18.0A.05.IK



Position der Kühlmittelübergabe

Position of the coolant transfer





R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH224.1616.14.0A.02.IK	14	80	16	16	83	35	29	34	20	9	15,2	16	224010058N
RH224.2020.14.0A.02.IK	14	80	20	20	98	35	29	34	-	5	19,2	20	224010058N
RH224.2525.14.0A.02.IK	14	80	25	25	113	35	29	39	-	5	24,2	25	224010058N
RH224.1616.14.0A.25.IK	14	80	16	16	83	35	29	34	20	9	14,95	16	224020058N
RH224.2020.14.0A.25.IK	14	80	20	20	98	35	29	34	-	5	18,95	20	224020058N
RH224.2525.14.0A.25.IK	14	80	25	25	113	35	29	39	-	5	23,95	25	224020058N
RH224.1616.14.0A.03.IK	14	80	16	16	83	35	29	34	20	9	14,75	16	224030058N
RH224.2020.14.0A.03.IK	14	80	20	20	98	35	29	34	-	5	18,75	20	224030058N
RH224.2525.14.0A.03.IK	14	80	25	25	113	35	29	39	-	5	23,75	25	224030058N
LH224.1616.14.0A.02.IK	14	80	16	16	83	35	29	34	20	9	15,2	16	224010058N
LH224.2020.14.0A.02.IK	14	80	20	20	98	35	29	34	-	5	19,2	20	224010058N
LH224.2525.14.0A.02.IK	14	80	25	25	113	35	29	39	-	5	24,2	25	224010058N
LH224.1616.14.0A.25.IK	14	80	16	16	83	35	29	34	20	9	14,95	16	224020058N
LH224.2020.14.0A.25.IK	14	80	20	20	98	35	29	34	-	5	18,95	20	224020058N
LH224.2525.14.0A.25.IK	14	80	25	25	113	35	29	39	-	5	23,95	25	224020058N
LH224.1616.14.0A.03.IK	14	80	16	16	83	35	29	34	20	9	14,75	16	224030058N
LH224.2020.14.0A.03.IK	14	80	20	20	98	35	29	34	-	5	18,75	20	224030058N
LH224.2525.14.0A.03.IK	14	80	25	25	113	35	29	39	-	5	23,75	25	224030058N

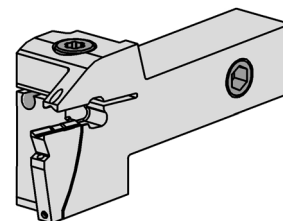
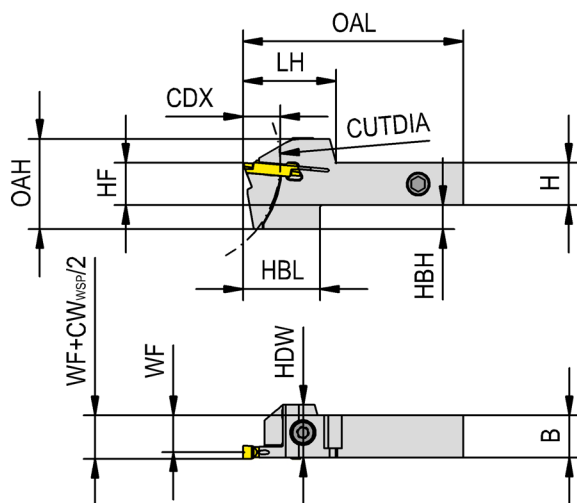
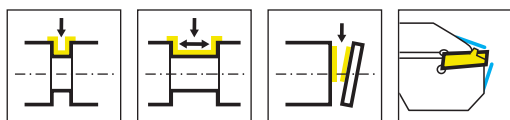
Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".
Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	004.00.16	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH224.1616.14.0A.04.IK	14	80	16	16	83	35	29	34	20	9	14,3	16	224040058N
RH224.2020.14.0A.04.IK	14	80	20	20	98	35	29	34	-	5	18,3	20	224040058N
RH224.2525.14.0A.04.IK	14	80	25	25	113	35	29	39	-	5	23,3	25	224040058N
RH224.1616.14.0A.05.IK	14	80	16	16	83	35	29	34	20	9	13,95	16	224050058N
RH224.2020.14.0A.05.IK	14	80	20	20	98	35	29	34	-	5	17,95	20	224050058N
RH224.2525.14.0A.05.IK	14	80	25	25	113	35	29	39	-	5	22,95	25	224050058N
RH224.1616.14.0A.06.IK	14	80	16	16	83	35	29	34	20	9	13,6	16	224060058N
RH224.2020.14.0A.06.IK	14	80	20	20	98	35	29	34	-	5	17,6	20	224060058N
RH224.2525.14.0A.06.IK	14	80	25	25	113	35	29	39	-	5	22,6	25	224060058N
LH224.1616.14.0A.04.IK	14	80	16	16	83	35	29	34	20	9	14,3	16	224040058N
LH224.2020.14.0A.04.IK	14	80	20	20	98	35	29	34	-	5	18,3	20	224040058N
LH224.2525.14.0A.04.IK	14	80	25	25	113	35	29	39	-	5	23,3	25	224040058N
LH224.1616.14.0A.05.IK	14	80	16	16	83	35	29	34	20	9	13,95	16	224050058N
LH224.2020.14.0A.05.IK	14	80	20	20	98	35	29	34	-	5	17,95	20	224050058N
LH224.2525.14.0A.05.IK	14	80	25	25	113	35	29	39	-	5	22,95	25	224050058N
LH224.1616.14.0A.06.IK	14	80	16	16	83	35	29	34	20	9	13,6	16	224060058N
LH224.2020.14.0A.06.IK	14	80	20	20	98	35	29	34	-	5	17,6	20	224060058N
LH224.2525.14.0A.06.IK	14	80	25	25	113	35	29	39	-	5	22,6	25	224060058N

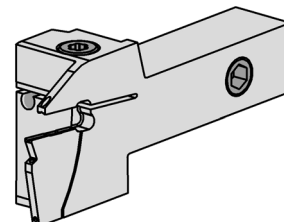
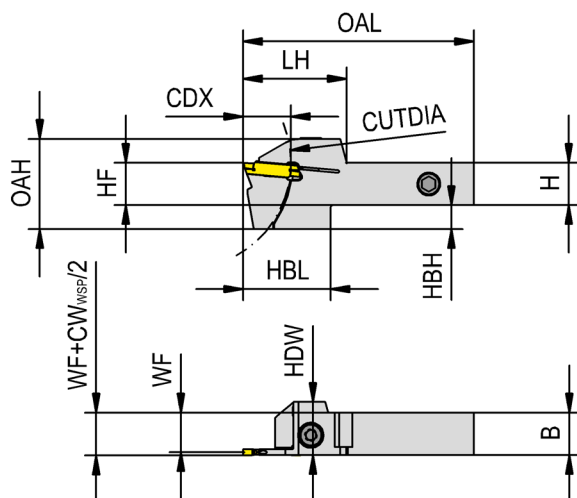
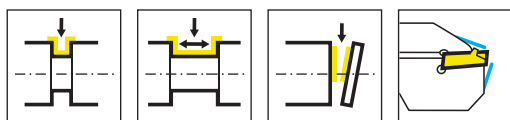
Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".
Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	004.00.16	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH224.1616.18.0A.02.IK	18	80	16	16	87	39	33	34	20	9	15,2	16	224010058N
RH224.2020.18.0A.02.IK	18	80	20	20	102	39	33	34	-	5	19,2	20	224010058N
RH224.2525.18.0A.02.IK	18	80	25	25	117	39	33	39	-	5	24,2	25	224010058N
RH224.1616.18.0A.25.IK	18	80	16	16	87	39	33	34	20	9	14,95	16	224020058N
RH224.2020.18.0A.25.IK	18	80	20	20	102	39	33	34	-	5	18,95	20	224020058N
RH224.2525.18.0A.25.IK	18	80	25	25	117	39	33	39	-	5	23,95	25	224020058N
RH224.1616.18.0A.03.IK	18	80	16	16	87	39	33	34	20	9	14,75	16	224030058N
RH224.2020.18.0A.03.IK	18	80	20	20	102	39	33	34	-	5	18,75	20	224030058N
RH224.2525.18.0A.03.IK	18	80	25	25	117	39	33	39	-	5	23,75	25	224030058N
LH224.1616.18.0A.02.IK	18	80	16	16	87	39	33	34	20	9	15,2	16	224010058N
LH224.2020.18.0A.02.IK	18	80	20	20	102	39	33	34	-	5	19,2	20	224010058N
LH224.2525.18.0A.02.IK	18	80	25	25	117	39	33	39	-	5	24,2	25	224010058N
LH224.1616.18.0A.25.IK	18	80	16	16	87	39	33	34	20	9	14,95	16	224020058N
LH224.2020.18.0A.25.IK	18	80	20	20	102	39	33	34	-	5	18,95	20	224020058N
LH224.2525.18.0A.25.IK	18	80	25	25	117	39	33	39	-	5	23,95	25	224020058N
LH224.1616.18.0A.03.IK	18	80	16	16	87	39	33	34	20	9	14,75	16	224030058N
LH224.2020.18.0A.03.IK	18	80	20	20	102	39	33	34	-	5	18,75	20	224030058N
LH224.2525.18.0A.03.IK	18	80	25	25	117	39	33	39	-	5	23,75	25	224030058N

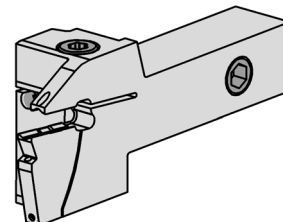
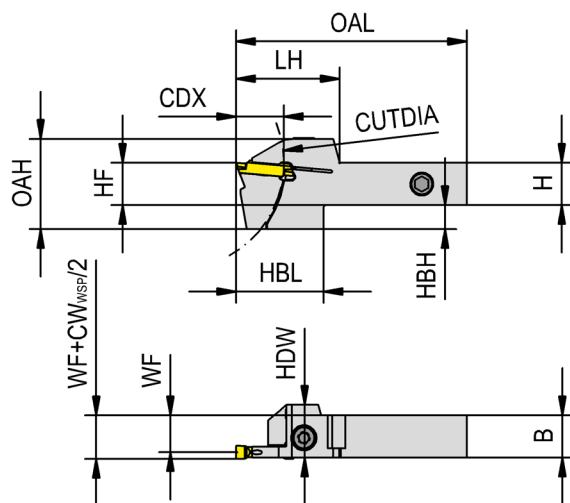
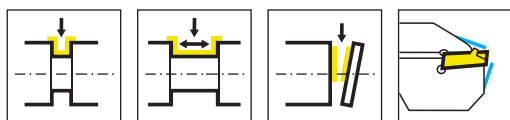
Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".
Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	004.00.16	6.23T25P	T25PQ



R = rechts wie gezeichnet
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L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH224.1616.18.0A.04.IK	18	80	16	16	87	39	33	34	20	9	14,3	16	224040058N
RH224.2020.18.0A.04.IK	18	80	20	20	102	39	33	34	-	5	18,3	20	224040058N
RH224.2525.18.0A.04.IK	18	80	25	25	117	39	33	39	-	5	23,3	25	224040058N
RH224.1616.18.0A.05.IK	18	80	16	16	87	39	33	34	20	9	13,95	16	224050058N
RH224.2020.18.0A.05.IK	18	80	20	20	102	39	33	34	-	5	17,95	20	224050058N
RH224.2525.18.0A.05.IK	18	80	25	25	117	39	33	39	-	5	22,95	25	224050058N
RH224.1616.18.0A.06.IK	18	80	16	16	87	39	33	34	20	9	13,6	16	224060058N
RH224.2020.18.0A.06.IK	18	80	20	20	102	39	33	34	-	5	17,6	20	224060058N
RH224.2525.18.0A.06.IK	18	80	25	25	117	39	33	39	-	5	22,6	25	224060058N
LH224.1616.18.0A.04.IK	18	80	16	16	87	39	33	34	20	9	14,3	16	224040058N
LH224.2020.18.0A.04.IK	18	80	20	20	102	39	33	34	-	5	18,3	20	224040058N
LH224.2525.18.0A.04.IK	18	80	25	25	117	39	33	39	-	5	23,3	25	224040058N
LH224.1616.18.0A.05.IK	18	80	16	16	87	39	33	34	20	9	13,95	16	224050058N
LH224.2020.18.0A.05.IK	18	80	20	20	102	39	33	34	-	5	17,95	20	224050058N
LH224.2525.18.0A.05.IK	18	80	25	25	117	39	33	39	-	5	22,95	25	224050058N
LH224.1616.18.0A.06.IK	18	80	16	16	87	39	33	34	20	9	13,6	16	224060058N
LH224.2020.18.0A.06.IK	18	80	20	20	102	39	33	34	-	5	17,6	20	224060058N
LH224.2525.18.0A.06.IK	18	80	25	25	117	39	33	39	-	5	22,6	25	224060058N

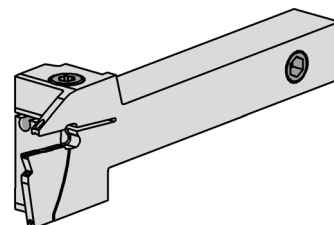
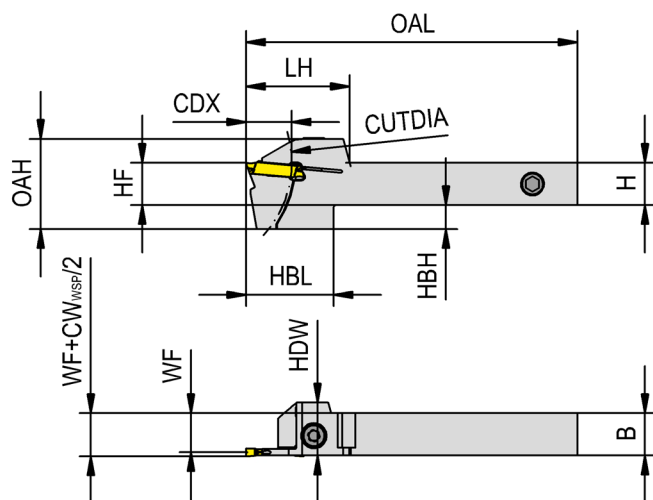
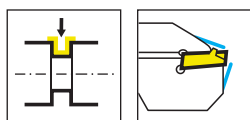
Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".
Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	004.00.16	6.23T25P	T25PQ



R = rechts wie gezeichnet
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L = left hand version

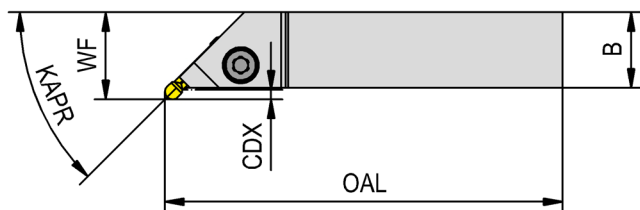
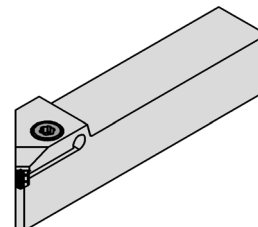
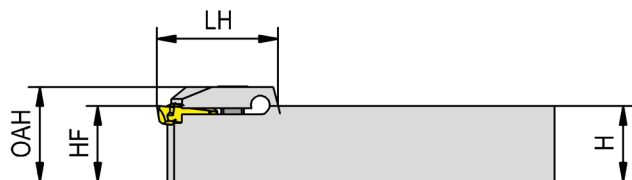
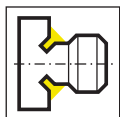
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH224.1616.18.0L.02.IK	18	80	16	16	125	39	33	34	20	9	15,2	16	224010058N
RH224.1616.18.0L.03.IK	18	80	16	16	125	39	33	34	20	9	14,75	16	224030058N
RH224.1616.18.0L.04.IK	18	80	16	16	125	39	33	34	20	9	14,3	16	224040058N
RH224.1616.18.0L.05.IK	18	80	16	16	125	39	33	34	20	9	13,95	16	224050058N
RH224.1616.18.0L.06.IK	18	80	16	16	125	39	33	34	20	9	13,6	16	224060058N
RH224.1616.18.0L.25.IK	18	80	16	16	125	39	33	34	20	9	14,95	16	224020058N
RH224.2020.18.0L.02.IK	18	80	20	20	125	39	33	34	-	5	19,2	20	224010058N
LH224.1616.18.0L.02.IK	18	80	16	16	125	39	33	34	20	9	15,2	16	224010058N
LH224.1616.18.0L.03.IK	18	80	16	16	125	39	33	34	20	9	14,75	16	224030058N
LH224.1616.18.0L.04.IK	18	80	16	16	125	39	33	34	20	9	14,3	16	224040058N
LH224.1616.18.0L.05.IK	18	80	16	16	125	39	33	34	20	9	13,95	16	224050058N
LH224.1616.18.0L.06.IK	18	80	16	16	125	39	33	34	20	9	13,6	16	224060058N
LH224.1616.18.0L.25.IK	18	80	16	16	125	39	33	34	20	9	14,95	16	224020058N
LH224.2020.18.0L.02.IK	18	80	20	20	125	39	33	34	-	5	19,2	20	224010058N
LH224.2020.18.0L.03.IK	18	80	20	20	125	39	33	34	-	5	18,75	20	224030058N
LH224.2020.18.0L.04.IK	18	80	20	20	125	39	33	34	-	5	18,3	20	224040058N
LH224.2020.18.0L.05.IK	18	80	20	20	125	39	33	34	-	5	17,95	20	224050058N
LH224.2020.18.0L.06.IK	18	80	20	20	125	39	33	34	-	5	17,6	20	224060058N
LH224.2020.18.0L.25.IK	18	80	20	20	125	39	33	34	-	5	18,95	20	224020058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	004.00.16	6.23T25P	T25PQ



R = rechts wie gezeichnet
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L = left hand version

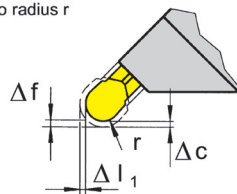
Artikelnummer Part number	CDX	H	B	OAL	LH	OAH	WF	HF	KAPR	Trennstelle W Interface W
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RH224.4525.02	2,5	25	25	150	32	30	28	25	45°	224010058N
RH224.4520.04	2,5	20	20	125	32	25	23	20	45°	224030058N • 224040058N
RH224.4525.04	2,5	25	25	150	32	30	28	25	45°	224030058N • 224040058N
LH224.4520.02	2,5	20	20	125	32	25	23	20	45°	224010058N
LH224.4525.02	2,5	25	25	150	32	30	28	25	45°	224010058N
LH224.4520.04	2,5	20	20	125	32	25	23	20	45°	224030058N • 224040058N
LH224.4525.04	2,5	25	25	150	32	30	28	25	45°	224030058N • 224040058N

CW siehe Wendeschneidplatten
CW see indexable inserts

B5

Korrektur-Faktoren Δl_1 , Δc und Δf im Verhältnis zum Radius r
Revision factor Δl_1 , Δc and Δf in relation to radius r

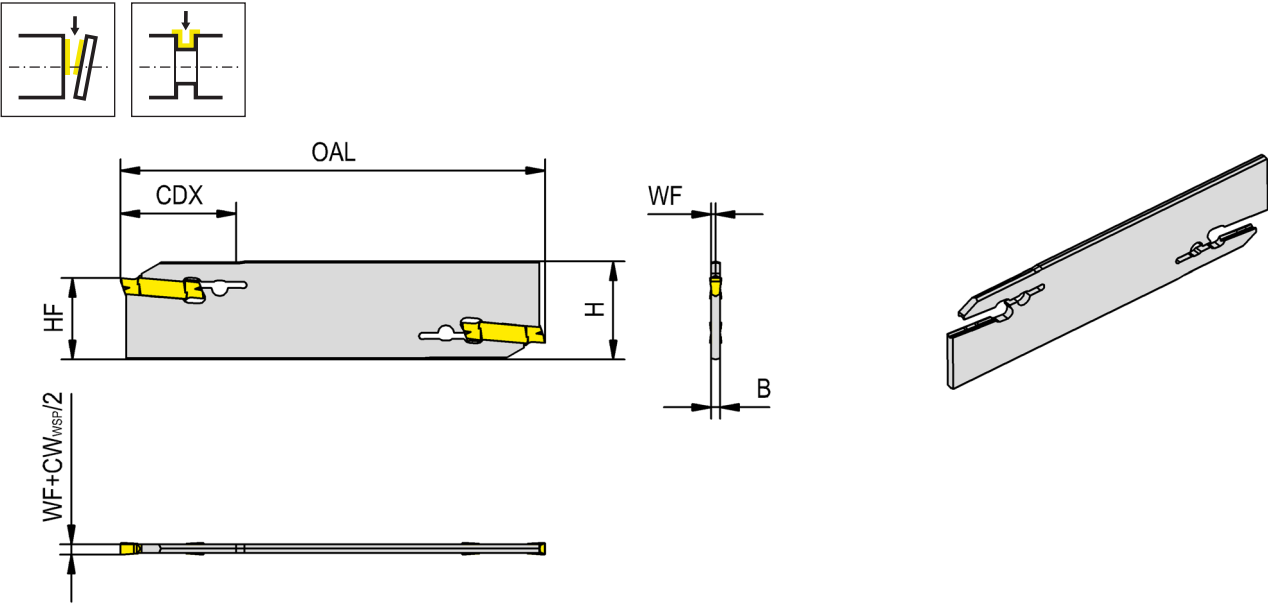
r	Δl_1	Δc	Δf
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2,5	-0,146	-0,146	-0,146
2,0	0	0	0
1,5	-0,146	-0,146	-0,146
1,0	0	0	0



Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	6.23T25P	T25PQ



Artikelnummer Part number	CDX	H	B	OAL	WF	HF	Trennstelle W Interface W
H224.2602.02	18	26	1,9	110	0,95	21,4	224020058N
H224.2603.03	18	26	2,3	110	1,15	21,4	224030058N
H224.3203.03	18	32	2,3	150	1,15	24,8	224030058N

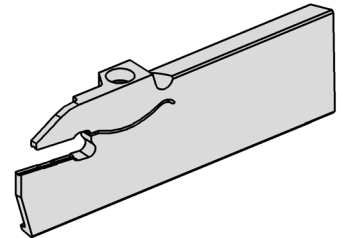
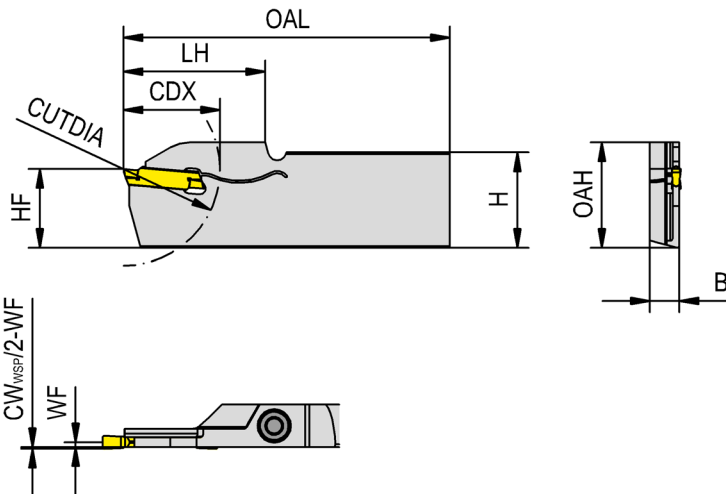
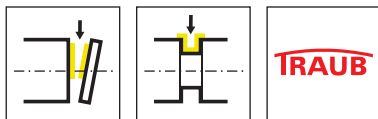
CW siehe Wendeschneidplatten
CW see indexable inserts

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers. Bitte separat bestellen!
Wrench P39L is not combined with toolholder - separate order required!

B5

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschlüssel Wrench
H224...	P39L



L = links wie gezeichnet
L = left hand version shown

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
LH224.2608.20.T.81	18	36	26	8	88	39	28,6	0,7	21,4	224010058N
LH224.2608.20.T.82	18	36	26	8	88	39	28,6	0,9	21,4	224020058N
LH224.2608.20.T.83	18	36	26	8	88	39	28,6	1,1	21,4	224030058N

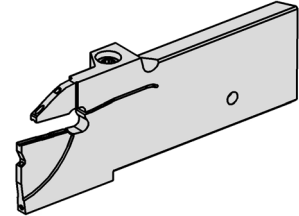
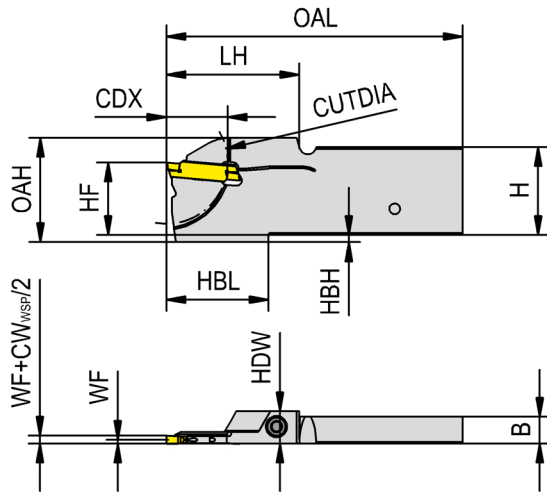
für TRAUB-Maschinen (TNL18P)
for machines TRAUB (TNL18P)

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LH224...	4.15T15P	T15PQ



L = links wie gezeichnet
L = left hand version shown

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
LH224.2608.20.T.81.IK	18	36	26	7,9	87	39	30	30,6	9,5	2	0,95	21,4	224010058N
LH224.2608.20.T.82.IK	18	36	26	7,9	87	39	30	30,6	9,5	2	1,15	21,4	224020058N
LH224.2608.20.T.83.IK	18	36	26	7,9	87	39	30	30,6	9,5	2	1,35	21,4	224030058N

für TRAUB-Maschinen (TNL18P)
for machines TRAUB (TNL18P)

CW siehe Wendeschneidplatten
CW see indexable inserts

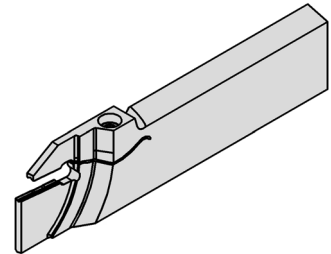
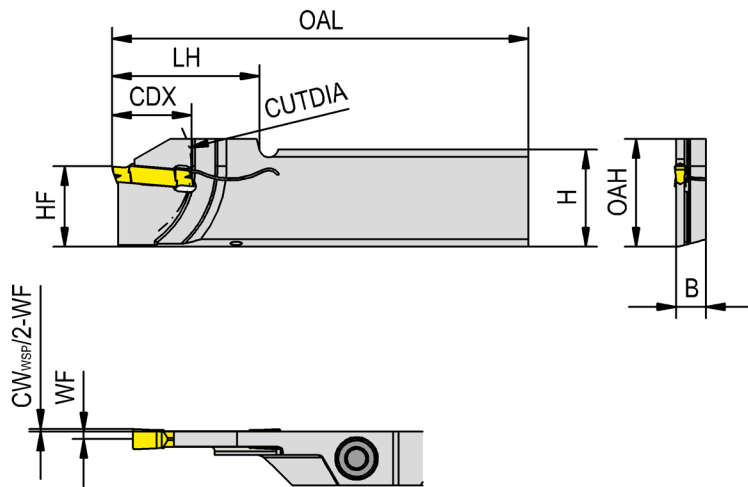
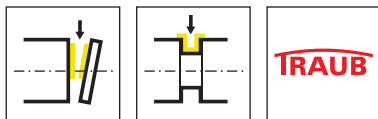
Interner seitlicher Kühlmittelanschluss
Internal side coolant connection

B5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LH224...	4.15T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH224.2608.81	18	36	26	7,9	110	39	28,6	0,7	21,4	224010058N
RH224.2608.82	18	36	26	7,9	110	39	28,6	0,9	21,4	224020058N
RH224.2608.83	21	42	26	7,9	110	39	28,6	1,1	21,4	124030058N
LH224.2608.81	18	36	26	7,9	110	39	28,6	0,7	21,4	224010058N
LH224.2608.82	18	36	26	7,9	110	39	28,6	0,9	21,4	224020058N
LH224.2608.83	21	42	26	7,9	110	39	28,6	1,1	21,4	124030058N

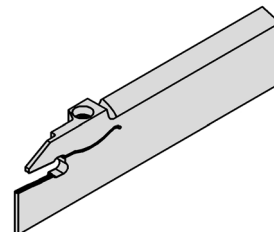
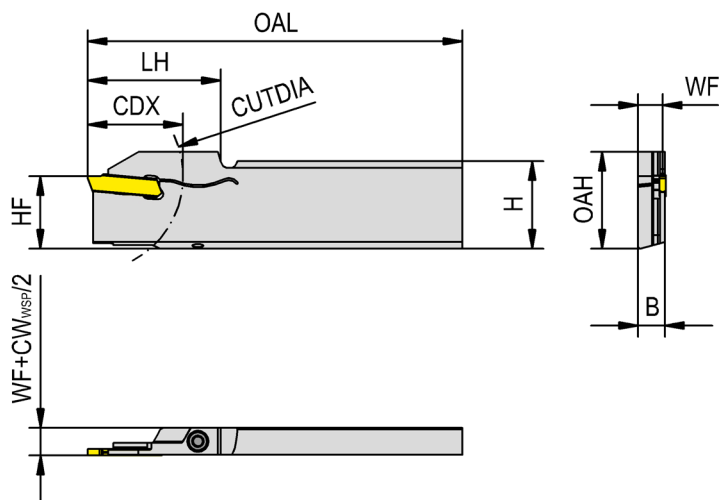
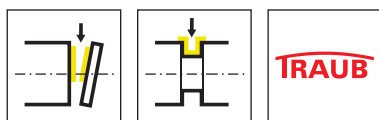
für TRAUB-Maschinen (TNK28/TNK36/TNL26)
for machines TRAUB (TNK28/TNK36/TNL26)

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	4.15T15P	T15PL



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH224.2608.81R	18	36	26	7,9	110	39	28,6	7,2	21,4	224010058N
RH224.2608.82R	18	36	26	7,9	110	39	28,6	7	21,4	224020058N
RH224.2608.83R	21	42	26	7,9	110	39	28,6	6,8	21,4	124030058N
RH224.3208.83R	21	42	32	7,9	110	39	32	6,8	24,8	124030058N
LH224.2608.81L	18	36	26	7,9	110	39	28,6	7,2	21,4	224010058N
LH224.2608.82L	18	36	26	7,9	110	39	28,6	7	21,4	224020058N
LH224.2608.83L	21	42	26	7,9	110	39	28,6	6,8	21,4	124030058N
LH224.3208.83L	21	42	32	7,9	110	39	32	6,8	24,8	124030058N

für TRAUB-Maschinen (TNK28/TNK36/TNL26)
for machines TRAUB (TNK28/TNK36/TNL26)

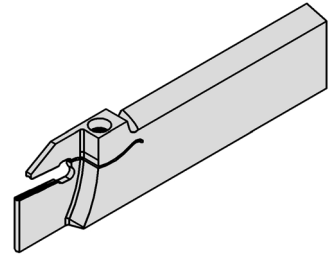
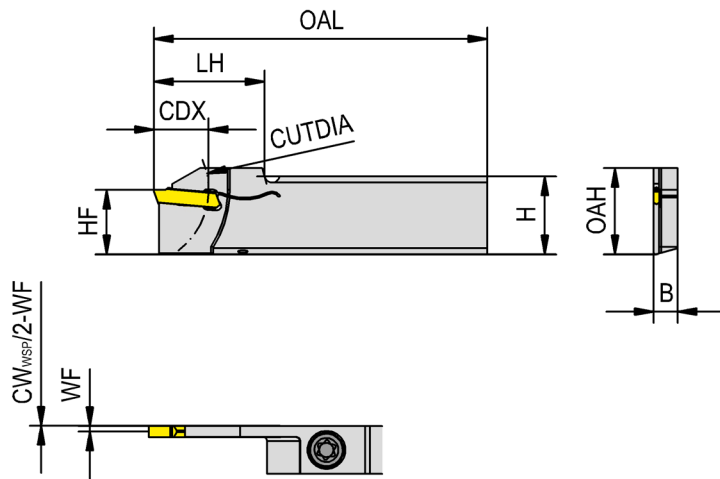
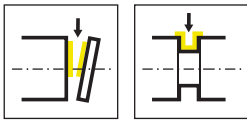
CW siehe Wendeschneidplatten
CW see indexable inserts

* Bei besonderer Spannsituation auf der Gegenspindel (z.B. HAINBUCH Axfixfutter usw.)
* For specific clamping device on subspindle (e.g. HAINBUCH Axfixchuck)

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224.2608...R/L	4.15T15P	T15PL
R/LH224.3208...R/L	5.13T20P	T20PQ



L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OA	WF	HF	Trennstelle W Interface W
RH224.2608.01	18	50	26	7,9	110	36,5	28,47	0,7	21,4	224010058N
RH224.3208.01	18	50	32	7,9	110	42,7	32	0,7	24,8	224010058N
RH224.2608.02	18	50	26	7,9	110	36,5	28,47	0,9	21,4	224020058N
RH224.3208.02	18	50	32	7,9	110	42,7	32	0,9	24,8	224020058N
RH224.2608.03	18	50	26	7,9	110	36,5	28,47	1,1	21,4	224030058N
RH224.3208.03	18	50	32	7,9	110	42,7	32	1,1	24,8	224030058N
LH224.2608.01	18	50	26	7,9	110	36,5	28,47	0,7	21,4	224010058N
LH224.3208.01	18	50	32	7,9	110	42,7	32	0,7	24,8	224010058N
LH224.2608.02	18	50	26	7,9	110	36,5	28,47	0,9	21,4	224020058N
LH224.3208.02	18	50	32	7,9	110	42,7	32	0,9	24,8	224020058N
LH224.2608.03	18	50	26	7,9	110	36,5	28,47	1,1	21,4	224030058N
LH224.3208.03	18	50	32	7,9	110	42,7	32	1,1	24,8	224030058N

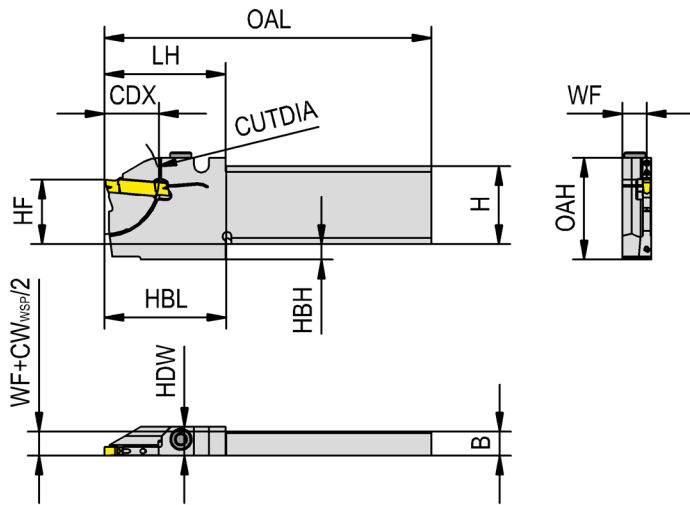
CW siehe Wendeschneidplatten
CW see indexable inserts

B5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224...	4.20T15P	T15PL



R = rechts wie gezeichnet
R = right hand version shown

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH224.2608.1.18.4.73.IK	18	36	26	7,9	108	40	40	33,6	9,5	5	0,2	21,4	224030058N
RH224.2608.1.18.4.73R.IK	18	36	26	7,9	108	40	40	33,6	9,5	5	6,4	21,4	224030058N
RH224.2608.2.18.4.73.IK	18	36	26	7,9	124	65	65	33,6	9,5	5	0,2	21,4	224030058N
RH224.2608.2.18.4.73R.IK	18	36	26	7,9	124	65	65	33,6	9,5	5	6,4	21,4	224030058N

für Maschinen DMG MORI (MULTISPRINT 36)
for machines DMG MORI (MULTISPRINT 36)

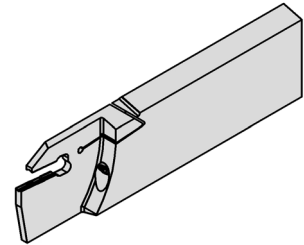
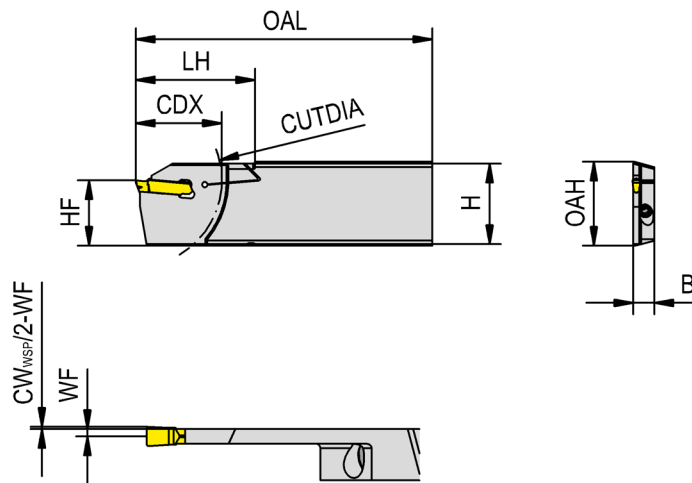
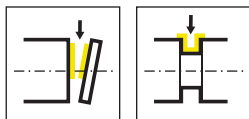
CW siehe Wendeschneidplatten
CW see indexable inserts

Interner seitlicher Kühlmittelanschluss
Internal side coolant connection

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RH224...	5.13T20P	T20PQ



L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

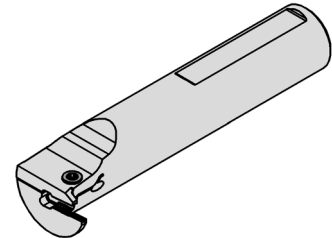
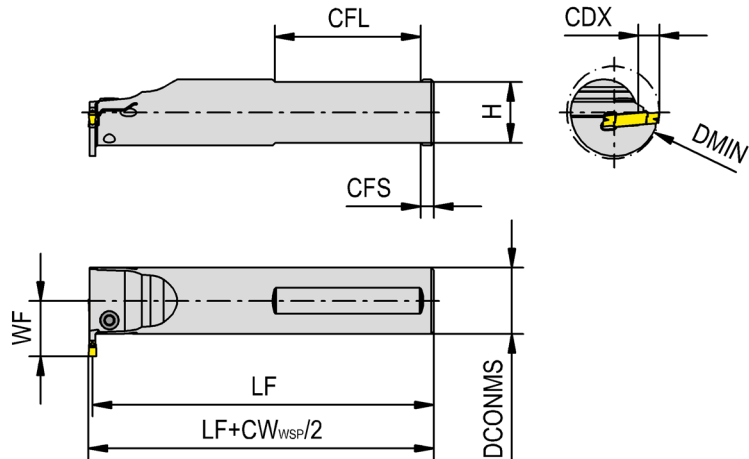
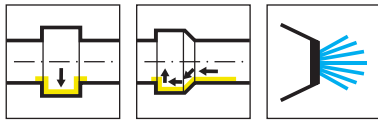
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH224.3208.93	32,5	65	32	8	112	45	32	1,15	24,8	124030058N
LH224.3208.93	32,5	65	32	8	112	45	32	1,15	24,8	124030058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH224.3208.93	030.0413.T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

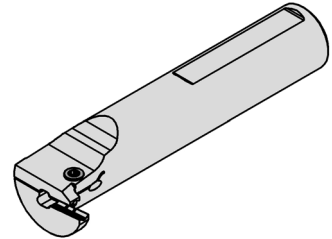
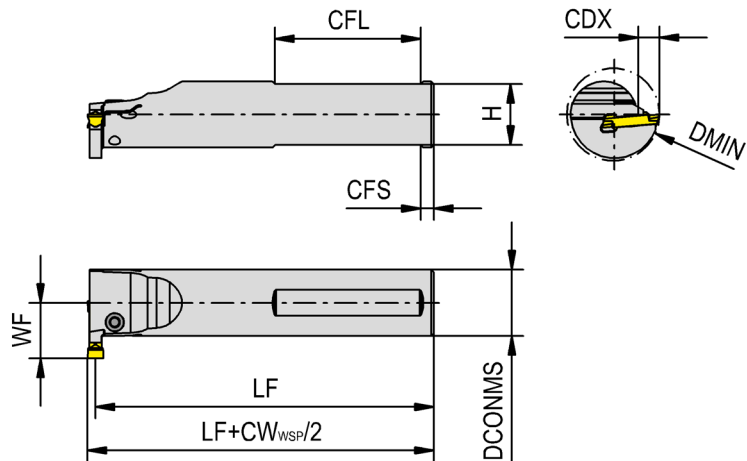
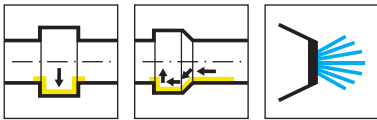
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	DMIN	DCONMS	H	LF	CFL	CFS	WF	Trennstelle W Interface W
RB224.0020.0.01	8	30	20	18	129,3	55	5	18,5	224010058N
RB224.0020.0.02	8	30	20	18	129,1	55	5	18,5	224020058N
RB224.0020.0.03	8	30	20	18	128,9	55	5	18,5	224030058N
RB224.0020.0.04	8	30	20	18	128,55	55	5	18,5	224040058N
RB224.0025.0.01	8	35	25	23	129,3	55	5	21	224010058N
RB224.0025.0.02	8	35	25	23	129,1	55	5	21	224020058N
RB224.0025.0.03	8	35	25	23	128,9	55	5	21	224030058N
RB224.0025.0.04	8	35	25	23	128,55	55	5	21	224040058N
RB224.0032.0.03	8	42	32	30	148,9	55	5	24,5	224030058N
RB224.0032.0.04	8	42	32	30	148,55	55	5	24,5	224040058N
LB224.0020.0.01	8	30	20	18	129,3	55	5	18,5	224010058N
LB224.0020.0.02	8	30	20	18	129,1	55	5	18,5	224020058N
LB224.0020.0.03	8	30	20	18	128,9	55	5	18,5	224030058N
LB224.0020.0.04	8	30	20	18	128,55	55	5	18,5	224040058N
LB224.0025.0.01	8	35	25	23	129,3	55	5	21	224010058N
LB224.0025.0.02	8	35	25	23	129,1	55	5	21	224020058N
LB224.0025.0.03	8	35	25	23	128,9	55	5	21	224030058N
LB224.0025.0.04	8	35	25	23	128,55	55	5	21	224040058N
LB224.0032.0.03	8	42	32	30	148,9	55	5	24,5	224030058N
LB224.0032.0.04	8	42	32	30	148,55	55	5	24,5	224040058N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB224...	5.13T20EP	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

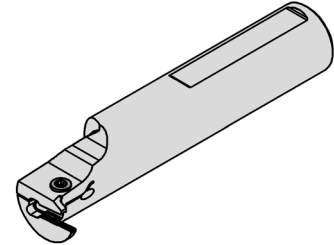
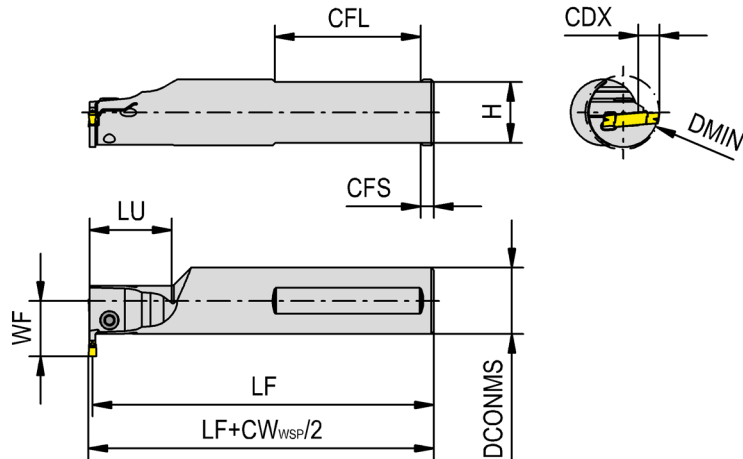
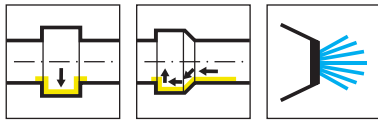
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	DMIN	DCONMS	H	LF	CFL	CFS	WF	Trennstelle W Interface W
RB224.0020.0.05	8	30	20	18	128,15	55	5	18,5	224050058N
RB224.0025.0.05	8	35	25	23	128,15	55	5	21	224050058N
RB224.0032.0.05	8	42	32	30	148,15	55	5	24,5	224050058N
LB224.0020.0.05	8	30	20	18	128,15	55	5	18,5	224050058N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB224...	5.13T20EP	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

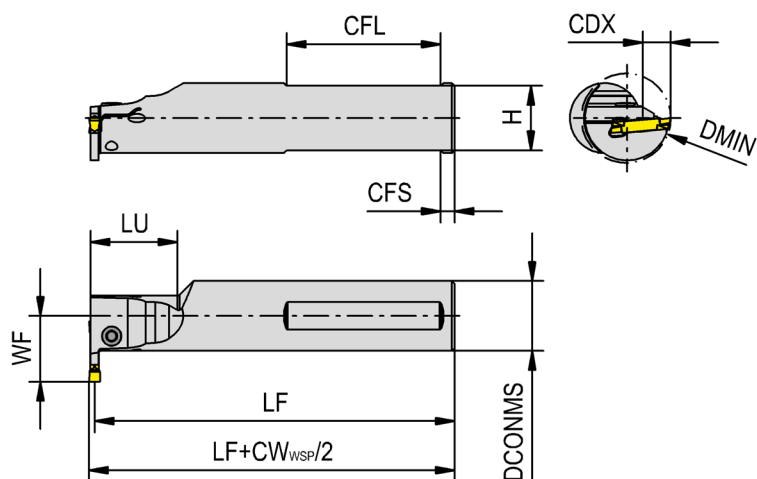
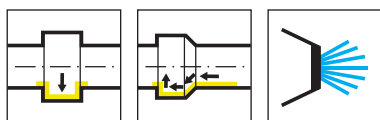
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	LF	CFL	CFS	WF	Trennstelle W Interface W
RB224.0020.1.01	8	58,22	28	20	18	129,3	55	5	18,5	224010058N
RB224.0025.1.01	8	58,22	28	25	23	129,3	55	5	21	224010058N
RB224.0020.1.02	8	58,22	28	20	18	129,1	55	5	18,5	224020058N
RB224.0025.1.02	8	58,22	28	25	23	129,1	55	5	21	224020058N
RB224.0020.1.03	8	58,22	28	20	18	128,9	55	5	18,5	224030058N
RB224.0025.1.03	8	58,22	28	25	23	128,9	55	5	21	224030058N
RB224.0032.1.03	8	58,22	28	32	30	148,9	55	5	24,5	224030058N
RB224.0020.1.04	8	58,22	28	20	18	128,55	55	5	18,5	224040058N
RB224.0025.1.04	8	58,22	28	25	23	128,55	55	5	21	224040058N
RB224.0032.1.04	8	58,22	28	32	30	148,55	55	5	24,5	224040058N
RB224.0025.1.05	8	58,22	28	25	23	128,15	55	5	21	224050058N
RB224.0025.1.06	8	58,22	28	25	23	127,75	55	5	21	224060058N
LB224.0020.1.01	8	58,22	28	20	18	129,3	55	5	18,5	224010058N
LB224.0025.1.01	8	58,22	28	25	23	129,3	55	5	21	224010058N
LB224.0020.1.02	8	58,22	28	20	18	129,1	55	5	18,5	224020058N
LB224.0025.1.02	8	58,22	28	25	23	129,1	55	5	21	224020058N
LB224.0020.1.03	8	58,22	28	20	18	128,9	55	5	18,5	224030058N
LB224.0025.1.03	8	58,22	28	25	23	128,9	55	5	21	224030058N
LB224.0032.1.03	8	58,22	28	32	30	148,9	55	5	24,5	224030058N
LB224.0020.1.04	8	58,22	28	20	18	128,55	55	5	18,5	224040058N
LB224.0025.1.04	8	58,22	28	25	23	128,55	55	5	21	224040058N
LB224.0032.1.04	8	58,22	28	32	30	148,55	55	5	24,5	224040058N
LB224.0025.1.05	8	58,22	28	25	23	128,15	55	5	21	224050058N
LB224.0025.1.06	8	58,22	28	25	23	127,75	55	5	21	224060058N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB224...	5.13T20EP	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

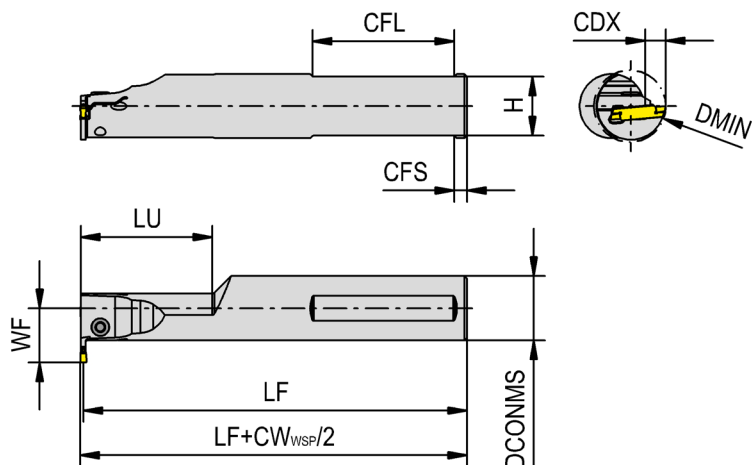
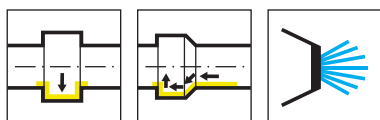
Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	LF	CFL	CFS	WF	Trennstelle W Interface W
RB224.0025.1.13	10	58,22	32	25	23	128,9	55	5	23,5	224030058N
RB224.0032.1.13	11	58,22	32	32	30	148,9	55	5	28	224030058N
RB224.0025.1.14	10	58,22	32	25	23	128,55	55	5	23,5	224040058N
RB224.0032.1.14	11	58,22	32	32	30	148,55	55	5	28	224040058N
RB224.0032.1.15	11	58,22	32	32	30	148,15	55	5	28	224050058N
RB224.0040.1.25	13	58,22	38	40	38	178,15	60	5	34	224050058N
RB224.0032.1.16	11	58,22	32	32	30	147,75	55	5	28	224060058N
RB224.0040.1.26	13	58,22	38	40	38	177,75	60	5	34	224060058N
LB224.0025.1.13	10	58,22	32	25	23	128,9	55	5	23,5	224030058N
LB224.0032.1.13	11	58,22	32	32	30	148,9	55	5	28	224030058N
LB224.0025.1.14	10	58,22	32	25	23	128,55	55	5	23,5	224040058N
LB224.0032.1.14	11	58,22	32	32	30	148,55	55	5	28	224040058N
LB224.0032.1.15	11	58,22	32	32	30	148,15	55	5	28	224050058N
LB224.0040.1.25	13	58,22	38	40	38	178,15	60	5	34	224050058N
LB224.0032.1.16	11	58,22	32	32	30	147,75	55	5	28	224060058N
LB224.0040.1.26	13	58,22	38	40	38	177,75	60	5	34	224060058N

B5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB224...	5.13T20EP	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

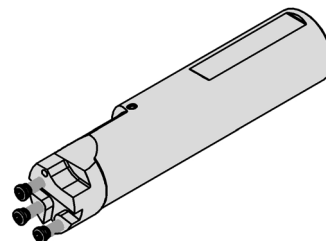
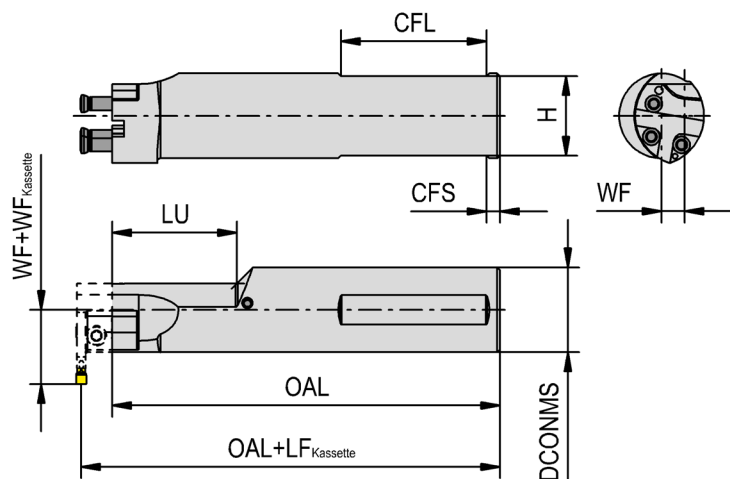
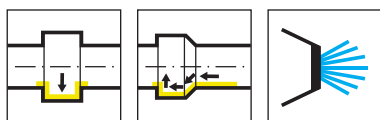
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	LF	CFL	CFS	WF	Trennstelle W Interface W
RB224.0020.2.01	8	58,22	28	20	18	129,3	55	5	18,5	224010058N
RB224.0025.2.01	8	58,22	28	25	23	149,3	55	5	21	224010058N
RB224.0020.2.02	8	58,22	28	20	18	129,1	55	5	18,5	224020058N
RB224.0025.2.02	8	58,22	28	25	23	149,1	55	5	21	224020058N
RB224.0025.2.03	8	58,22	28	25	23	148,9	55	5	21	224030058N
RB224.0032.2.03	8	58,22	28	32	30	178,9	55	5	24,5	224030058N
RB224.0032.2.13	11	58,22	32	32	30	178,9	55	5	28	224030058N
RB224.0025.2.04	8	58,22	28	25	23	148,55	55	5	21	224040058N
RB224.0032.2.04	8	58,22	28	32	30	178,55	55	5	24,5	224040058N
RB224.0032.2.14	11	58,22	32	32	30	178,55	55	5	28	224040058N
LB224.0020.2.01	8	58,22	28	20	18	129,3	55	5	18,5	224010058N
LB224.0025.2.01	8	58,22	28	25	23	149,3	55	5	21	224010058N
LB224.0020.2.02	8	58,22	28	20	18	129,1	55	5	18,5	224020058N
LB224.0025.2.02	8	58,22	28	25	23	149,1	55	5	21	224020058N
LB224.0025.2.03	8	58,22	28	25	23	148,9	55	5	21	224030058N
LB224.0032.2.03	8	58,22	28	32	30	178,9	55	5	24,5	224030058N
LB224.0032.2.13	11	58,22	32	32	30	178,9	55	5	28	224030058N
LB224.0025.2.04	8	58,22	28	25	23	148,55	55	5	21	224040058N
LB224.0032.2.04	8	58,22	28	32	30	178,55	55	5	24,5	224040058N
LB224.0032.2.14	11	58,22	32	32	30	178,55	55	5	28	224040058N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB224...	5.13T20EP	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	H	LU	OAL	CFL	CFS	WF	Trennstelle W Interface W
RB224.0032.1.K2.IK	32	30	16,5	136,3	55	5	8,75	BK002193
RB224.0032.2.K2.IK	32	30	46,5	166,3	55	5	8,75	BK002193
RB224.0040.1.K2.IK	40	38	16,5	166,3	60	5	12,75	BK002193
RB224.0040.2.K2.IK	40	38	46,5	186,3	60	5	12,75	BK002193
RB224.0040.3.K2.IK	40	38	76,5	216,3	60	5	12,75	BK002193
LB224.0032.1.K2.IK	32	30	16,5	136,3	55	5	8,75	BK002293
LB224.0032.2.K2.IK	32	30	46,5	166,3	55	5	8,75	BK002293
LB224.0040.1.K2.IK	40	38	16,5	166,3	60	5	12,75	BK002293
LB224.0040.2.K2.IK	40	38	46,5	186,3	60	5	12,75	BK002293
LB224.0040.3.K2.IK	40	38	76,5	216,3	60	5	12,75	BK002293

CW siehe Wendeschneidplatten
CW see indexable inserts

Abmessungen für Dmin, tmax und b1 siehe Kassetten
Dimensions for Dmin, tmax and b1 see cassettes

Hinweis:

Für Kassetten BK224 mit Kühlmittelzufuhr

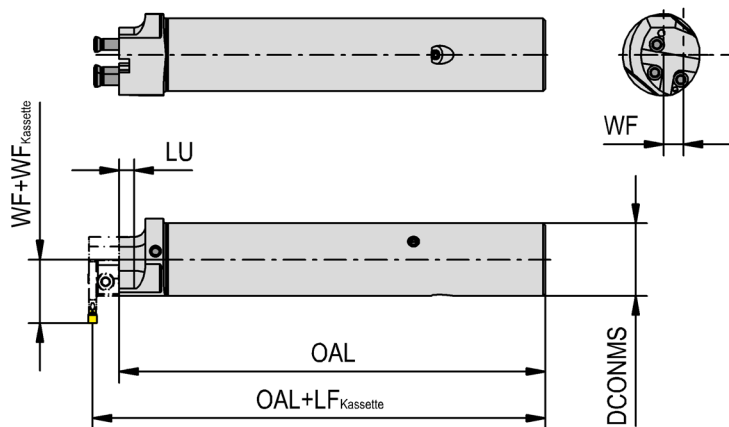
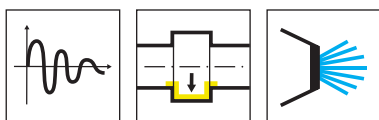
Note:

For cassettes BK224 with coolant supply

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB224...	030.0518.T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DCONMS	LU	OAL	WF	Trennstelle W Interface W
RB224.D032.5.K2.IK	32	6,6	267,6	8,75	BK002193
RB224.D032.8.K2.IK	32	6,6	363,6	8,75	BK002193
RB224.D040.5.K2.IK	40	6,6	347,6	12,75	BK002193
RB224.D040.8.K2.IK	40	6,6	467,6	12,75	BK002193
LB224.D032.5.K2.IK	32	6,6	267,6	8,75	BK002293
LB224.D032.8.K2.IK	32	6,6	363,6	8,75	BK002293
LB224.D040.5.K2.IK	40	6,6	347,6	12,75	BK002293
LB224.D040.8.K2.IK	40	6,6	467,6	12,75	BK002293

CW siehe Wendeschneidplatten
CW see indexable inserts

Die Dämpfung ist für den Anwendungsfall einstellbar.
The damping is adjustable for the application.

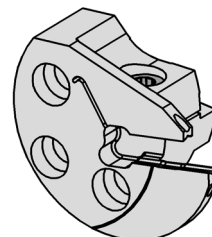
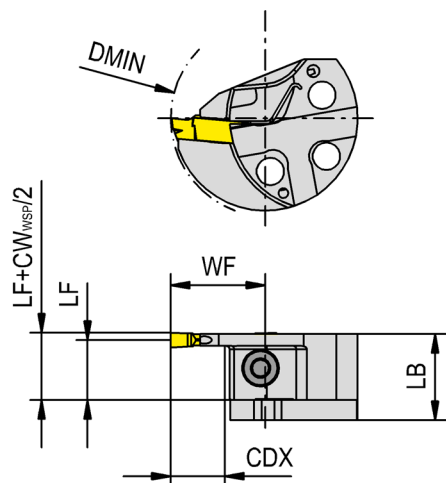
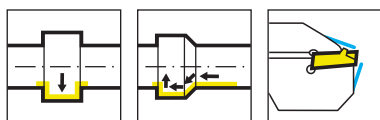
Für Kassetten BK224 **mit** Kühlmittelzufuhr
For cassettes BK224 with coolant supply

B5

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB224...	030.0518.T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	CDX	DMIN	WF	LF	LB	Trennstelle W Interface W	Trennstelle M Interface M
RBK224.0040.01.IK	11	40	19,25	12,7	17,6	224010058N	BK002193
RBK224.0040.02.IK	11	40	19,25	12,45	17,55	224020058N	BK002193
RBK224.0040.03.IK	11	40	19,25	12,2	17,5	224030058N	BK002193
RBK224.0040.04.IK	11	40	19,25	11,7	17,45	224040058N	BK002193
RBK224.0040.05.IK	11	40	19,25	11,2	17,3	224050058N	BK002193
RBK224.0040.06.IK	11	40	19,25	10,7	17,15	224060058N	BK002193
LBK224.0040.01.IK	11	40	19,25	12,7	17,6	224010058N	BK002293
LBK224.0040.02.IK	11	40	19,25	12,45	17,55	224020058N	BK002293
LBK224.0040.03.IK	11	40	19,25	12,2	17,5	224030058N	BK002293
LBK224.0040.04.IK	11	40	19,25	11,7	17,45	224040058N	BK002293
LBK224.0040.05.IK	11	40	19,25	11,2	17,3	224050058N	BK002293
LBK224.0040.06.IK	11	40	19,25	10,7	17,15	224060058N	BK002293

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

Hinweis:

Für Grundhalter B224 mit Kühlmittelzufuhr

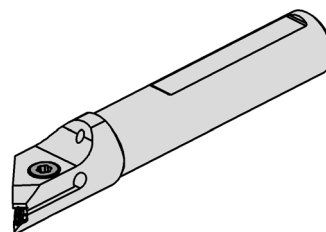
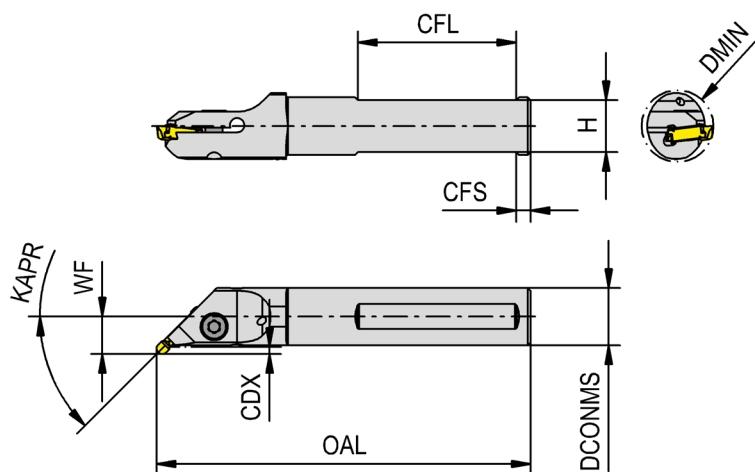
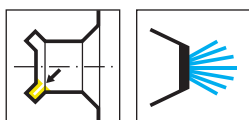
Note:

For basic toolholder B224 with coolant supply

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LBK224...	5.13T20EP	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

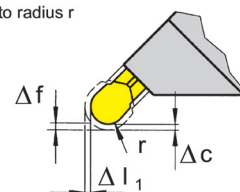
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	DMIN	DCONMS	H	OAL	CFL	CFS	WF	KAPR	Trennstelle W Interface W
RB224.4520.0.02	2,5	25	20	18	130	55	5	13	45°	224010058N
RB224.4525.0.02	2,5	29	25	23	150	55	5	15,5	45°	224010058N
RB224.4532.0.02	2,5	36	32	30	150	55	5	19	45°	224010058N
RB224.4540.1.02	2,5	44	40	38	200	60	5	23	45°	224010058N
RB224.4520.0.04	2,5	25	20	18	130	55	5	13	45°	224030058N • 224040058N
RB224.4525.0.04	2,5	29	25	23	150	55	5	15,5	45°	224030058N • 224040058N
RB224.4532.0.04	2,5	36	32	30	150	55	5	19	45°	224030058N • 224040058N
RB224.4540.1.04	2,5	44	40	38	200	60	5	23	45°	224030058N • 224040058N
RB224.4520.0.06	3	25	20	18	130	55	5	13,5	45°	224050058N • 224060058N
RB224.4532.0.06	3	36,5	32	30	150	55	5	19,5	45°	224050058N • 224060058N
LB224.4520.0.02	2,5	25	20	18	130	55	5	13	45°	224010058N
LB224.4525.0.02	2,5	29	25	23	150	55	5	15,5	45°	224010058N
LB224.4532.0.02	2,5	36	32	30	150	55	5	19	45°	224010058N
LB224.4540.1.02	2,5	44	40	38	200	60	5	23	45°	224010058N
LB224.4520.0.04	2,5	25	20	18	130	55	5	13	45°	224030058N • 224040058N
LB224.4525.0.04	2,5	29	25	23	150	55	5	15,5	45°	224030058N • 224040058N
LB224.4532.0.04	2,5	36	32	30	150	55	5	19	45°	224030058N • 224040058N
LB224.4540.1.04	2,5	44	40	38	200	60	5	23	45°	224030058N • 224040058N
LB224.4525.0.06	3	29,5	25	23	150	55	5	16	45°	224050058N • 224060058N
LB224.4532.0.06	3	36,5	32	30	150	55	5	19,5	45°	224050058N • 224060058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Korrektur-Faktoren ΔI_1 , Δc und Δf im Verhältnis zum Radius r
Revision factor ΔI_1 , Δc and Δf in relation to radius r

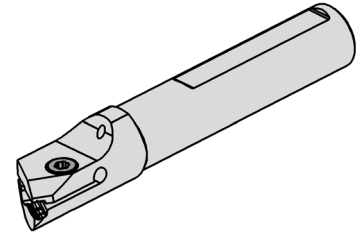
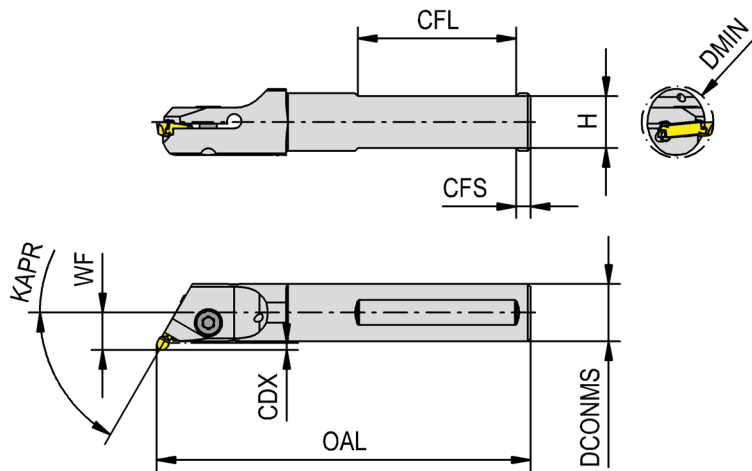
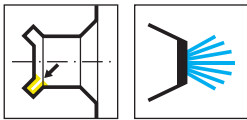
r	ΔI_1	Δc	Δf
3,0	0	0	0
2,5	-0,146	-0,146	-0,146
2,0	0	0	0
1,5	-0,146	-0,146	-0,146
1,0	0	0	0



Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB224...	6.14T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

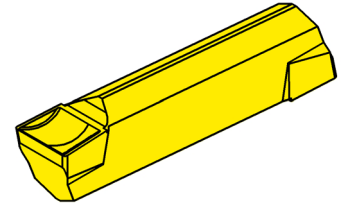
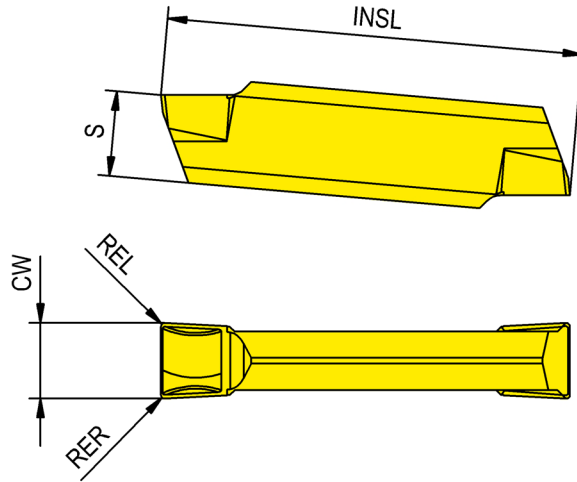
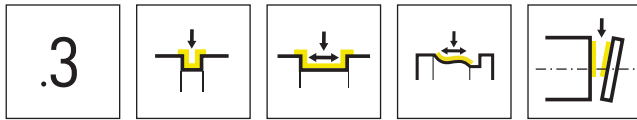
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	DMIN	DCONMS	H	OAL	CFL	CFS	WF	KAPR	Trennstelle W Interface W
RB224.6020.0.02	2,5	25	20	18	130	55	5	13	60°	224010058N
RB224.6025.0.02	2,5	29	25	23	150	55	5	15,5	60°	224010058N
RB224.6032.0.02	2,5	36	32	30	150	55	5	19	60°	224010058N
RB224.6020.0.04	2,5	25	20	18	130	55	5	13	60°	224030058N • 224040058N
RB224.6032.0.04	2,5	36	32	30	150	55	5	19	60°	224030058N • 224040058N
RB224.6020.0.06	3	25	20	18	130	55	5	13,5	60°	224050058N • 224060058N
RB224.6032.0.06	3	36,5	32	30	150	55	5	19,5	60°	224050058N • 224060058N
LB224.6020.0.02	2,5	25	20	18	130	55	5	13	60°	224010058N
LB224.6025.0.02	2,5	29	25	23	150	55	5	15,5	60°	224010058N
LB224.6025.0.04	2,5	29	25	23	150	55	5	15,5	60°	224030058N • 224040058N
LB224.6020.0.06	3	25	20	18	130	55	5	13,5	60°	224050058N • 224060058N
LB224.6025.0.06	3	29,5	25	23	150	55	5	16	60°	224050058N • 224060058N
LB224.6032.0.06	3	36,5	32	30	150	55	5	19,5	60°	224050058N • 224060058N

Ersatzteile

Spare Parts

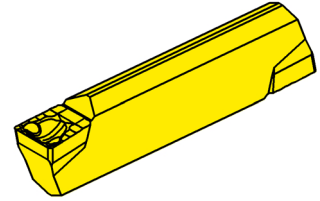
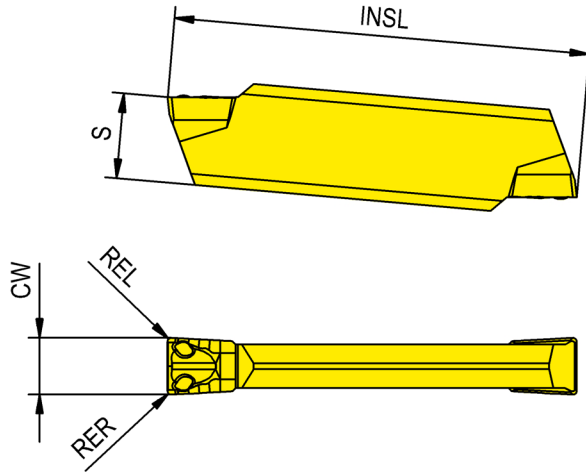
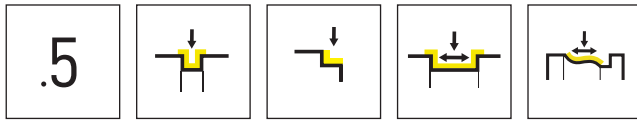
Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB224..	6.14T25P	T25PQ



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	AS62	AS66	IG66	TF45	TI25	TN32	TN35
S224.0300.32	3	0,2	0,2	22	4,5	224030058N	▲	▲	▲	▲	▲	▲	▲
S224.0300.34	3	0,4	0,4	22	4,5	224030058N	▲	▲	▲	▲	▲	▲	▲
S224.0400.32	4	0,2	0,2	22	4,5	224040058N	▲	▲	▲	▲	▲	▲	▲
S224.0400.34	4	0,4	0,4	22	4,5	224040058N	▲	▲	▲	▲	▲	▲	▲
S224.0500.34	5	0,4	0,4	22	4,5	224050058N	▲	▲	▲	▲	▲	▲	▲
S224.0500.38	5	0,8	0,8	22	4,5	224050058N	▲	▲	▲	▲	▲	▲	Δ
S224.0600.34	6	0,4	0,4	22	4,5	224060058N	▲	▲	▲	▲	▲	▲	▲
S224.0600.38	6	0,8	0,8	22	4,5	224060058N	▲	▲	▲	▲	▲	▲	▲
P	●	●	●	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●	●	●	●
K	-	-	-	-	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-

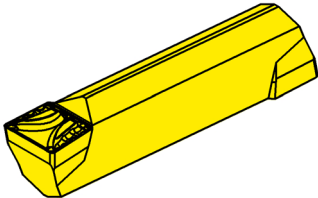
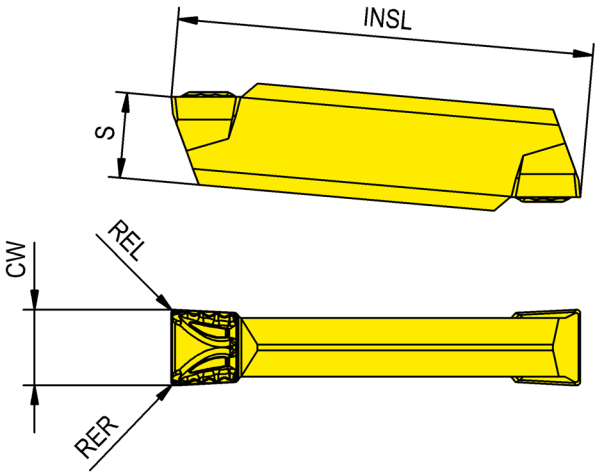
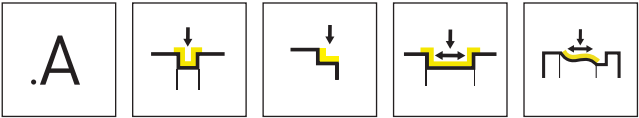


Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

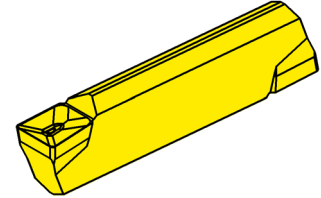
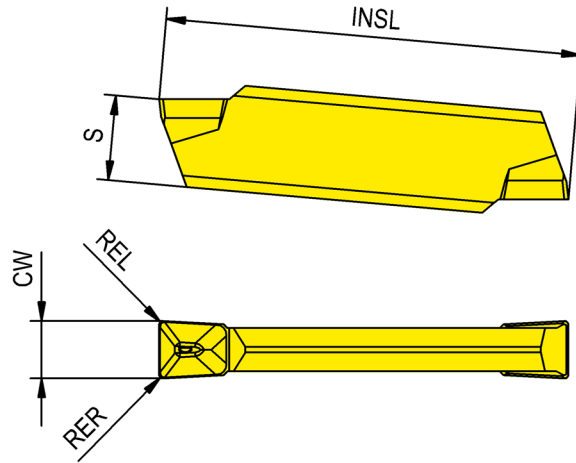
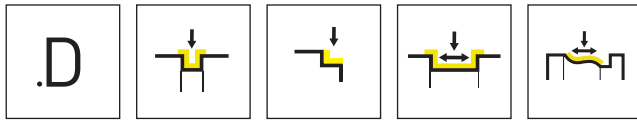
Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	AS62	AS66	EG56	IG66	TF45	TI25	TN32	TN35
S224.0200.52	2	0,2	0,2	22	4,5	224010058N	▲	▲	▲	▲				
S224.0250.52	2,5	0,2	0,2	22	4,5	224020058N	▲	▲	▲	▲				
S224.0300.52	3	0,2	0,2	22	4,5	224030058N	▲	▲	▲	▲	▲	▲	▲	▲
S224.0300.54	3	0,4	0,4	22	4,5	224030058N	▲	▲	▲	▲	▲	▲	▲	▲
S224.0400.52	4	0,2	0,2	22	4,5	224040058N	▲	▲	▲	▲	▲	▲	▲	▲
S224.0400.54	4	0,4	0,4	22	4,5	224040058N	▲	▲	▲	▲	▲	▲	▲	▲
S224.0500.54	5	0,4	0,4	22	4,5	224050058N	▲	▲	▲	▲	▲	▲	▲	▲
S224.0500.58	5	0,8	0,8	22	4,5	224050058N	▲	▲	Δ	▲		▲		
S224.0600.54	6	0,4	0,4	22	4,5	224060058N	▲	▲	▲	▲	▲	▲		▲
S224.0600.58	6	0,8	0,8	22	4,5	224060058N	▲	▲	Δ	▲				
P	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
K	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-

B5



Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	AS62	IG66	TF45	TI25	TN32	TN35
S224.0300.A2	3	0,2	0,2	22	4,5	224030058N	▲	Δ	▲	▲	Δ	▲
S224.0300.A4	3	0,4	0,4	22	4,5	224030058N	▲		▲	▲	▲	▲
S224.0400.A2	4	0,2	0,2	22	4,5	224040058N	▲		Δ	▲	Δ	▲
S224.0400.A4	4	0,4	0,4	22	4,5	224040058N	▲		▲	▲	Δ	▲
S224.0500.A4	5	0,4	0,4	22	4,5	224050058N	▲		▲	▲	▲	▲
S224.0500.A8	5	0,8	0,8	22	4,5	224050058N	▲		Δ		▲	
S224.0600.A4	6	0,4	0,4	22	4,5	224060058N	▲		Δ	▲		▲
S224.0600.A8	6	0,8	0,8	22	4,5	224060058N	▲		Δ			▲
P	●	●	●	●	●		●	●	●	●	●	●
M	-	-	-	-	-		-	-	-	-	-	-
K	-	-	-	-	-		-	-	-	-	-	-
N	-	-	-	-	-		-	-	-	-	-	-
S	-	-	-	-	-		-	-	-	-	-	-
H	-	-	-	-	-		-	-	-	-	-	-

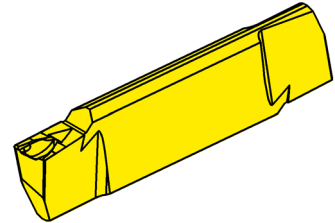
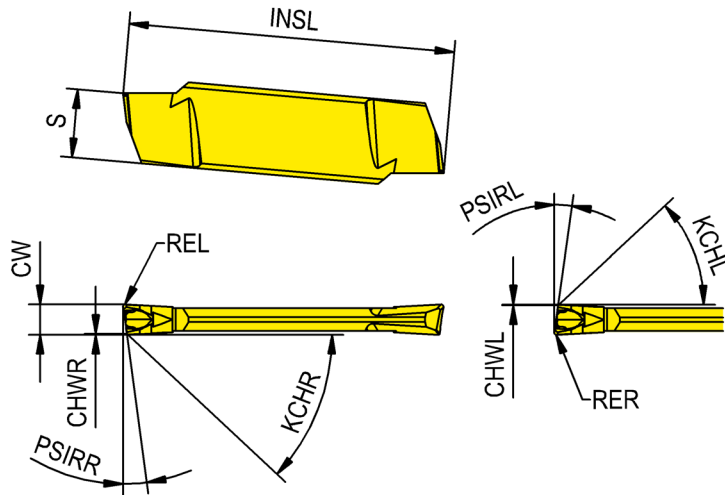
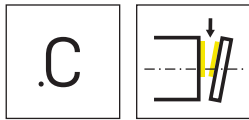


Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS L	S	Trennstelle M Interface M		H54	IG66	TF45	TF46	T122	T125	TN32	TN35
S224.0200.D2	2	0,2	0,2	22	4,5	224010058N		▲	▲	▲	▲		▲	▲	▲
S224.0200.D2.G	2	0,2	0,2	22	4,5	224010058N			▲		▲	▲			
S224.0250.D2	2,5	0,2	0,2	22	4,5	224020058N			▲	▲	▲		▲	▲	▲
S224.0250.D2.G	2,5	0,2	0,2	22	4,5	224020058N			▲		▲	▲			
S224.0300.D2	3	0,2	0,2	22	4,5	224030058N		▲	▲	▲	▲		▲	▲	▲
S224.0300.D2.G	3	0,2	0,2	22	4,5	224030058N			▲	▲	▲	▲			
S224.0400.D2	4	0,2	0,2	22	4,5	224040058N			▲	▲	▲		▲	Δ	▲
S224.0400.D2.G	4	0,2	0,2	22	4,5	224040058N			▲		▲	▲			
P								●	●	●	●	●	●	●	●
M								-	●	●	●	●	●	-	-
K								-	-	-	-	-	-	-	-
N								-	-	-	-	-	-	-	-
S								-	-	-	-	-	-	-	-
H								-	-	-	-	-	-	-	-

B5

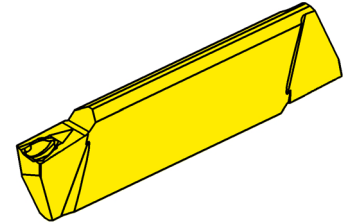
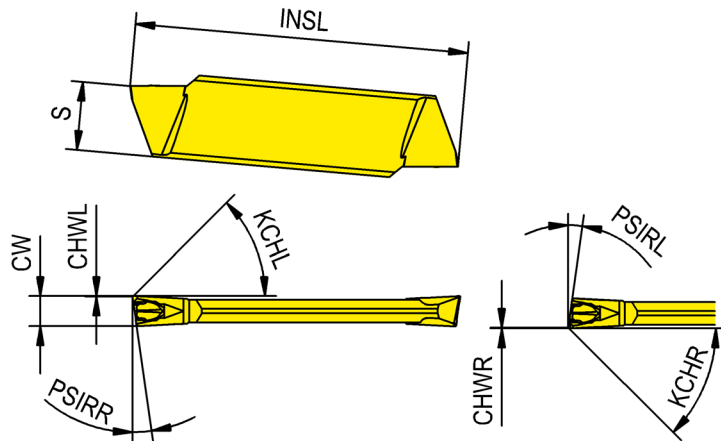
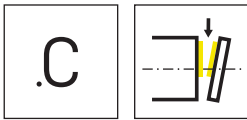


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	REL	RER	KCHL	KCHR	PSIRL	PSIRR	CHWL	CHWR	INSL	S	Trennstelle M Interface M	TF45	T125	TN35
RS224.0520.C1	2	0,15	-	-	45°	-	5°	-	0,05	22	4,5	224010058N	▲		▲
RS224.0530.C1	3	0,15	-	-	45°	-	5°	-	0,05	22	4,5	224030058N	▲		▲
RS224.0820.C1	2	0,15	-	-	45°	-	8°	-	0,05	22	4,5	224010058N	▲		
RS224.0825.C1	2,5	0,15	-	-	45°	-	8°	-	0,05	22	4,5	224020058N	▲		
RS224.0830.C1	3	0,15	-	-	45°	-	8°	-	0,05	22	4,5	224030058N	▲		▲
RS224.1520.C1	2	0,15	-	-	45°	-	15°	-	0,05	22	4,5	224010058N	▲		▲
LS224.0520.C1	2	-	0,15	45°	-	5°	-	0,05	-	22	4,5	224010058N	▲		▲
LS224.0530.C1	3	-	0,15	45°	-	5°	-	0,05	-	22	4,5	224030058N	▲		▲
LS224.0820.C1	2	-	0,15	45°	-	8°	-	0,05	-	22	4,5	224010058N	▲		
LS224.0825.C1	2,5	-	0,15	45°	-	8°	-	0,05	-	22	4,5	224020058N	▲		
LS224.0830.C1	3	-	0,15	45°	-	8°	-	0,05	-	22	4,5	224030058N	▲		▲
LS224.1520.C1	2	-	0,15	45°	-	15°	-	0,05	-	22	4,5	224010058N	▲		▲
S224.0020.C1	2	0,15	0,15	-	-	-	-	-	-	22	4,5	224010058N	▲	▲	▲
S224.0025.C1	2,5	0,15	0,15	-	-	-	-	-	-	22	4,5	224020058N	▲	▲	▲
S224.0030.C1	3	0,15	0,15	-	-	-	-	-	-	22	4,5	224030058N	▲	▲	▲
P													●	●	●
M													-	-	-
K													-	-	-
N													-	-	-
S													-	-	-
H													-	-	-

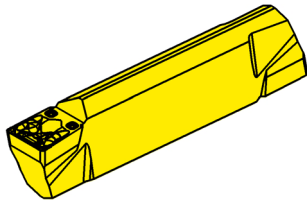
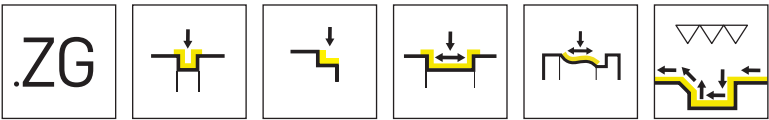


Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

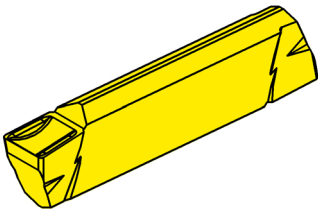
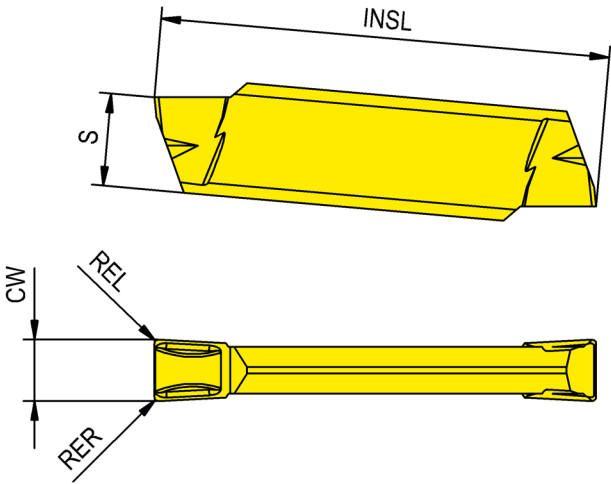
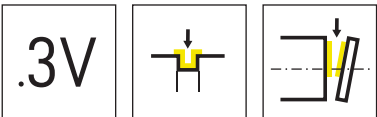
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RS224.0530.C0	3	45°	45°	-	5°	0,05	0,05	22	4,5	224030058N	▲		▲
RS224.0820.C0	2	45°	45°	-	8°	0,05	0,05	22	4,5	224010058N	▲		▲
RS224.0825.C0	2,5	45°	45°	-	8°	0,05	0,05	22	4,5	224020058N			▲
RS224.0830.C0	3	45°	45°	-	8°	0,05	0,05	22	4,5	224030058N	▲		▲
RS224.1520.C0	2	45°	45°	-	15°	0,05	0,05	22	4,5	224010058N	▲		▲
LS224.0520.C0	2	45°	45°	5°	-	0,05	0,05	22	4,5	224010058N	▲		▲
LS224.0530.C0	3	45°	45°	5°	-	0,05	0,05	22	4,5	224030058N			▲
LS224.0820.C0	2	45°	45°	8°	-	0,05	0,05	22	4,5	224010058N	▲		▲
LS224.0825.C0	2,5	45°	45°	8°	-	0,05	0,05	22	4,5	224020058N			▲
LS224.0830.C0	3	45°	45°	8°	-	0,05	0,05	22	4,5	224030058N	▲		▲
LS224.1520.C0	2	45°	45°	15°	-	0,05	0,05	22	4,5	224010058N	▲		▲
S224.0020.C0	2	45°	45°	-	-	0,05	0,05	22	4,5	224010058N	▲	▲	▲
S224.0025.C0	2,5	45°	45°	-	-	0,05	0,05	22	4,5	224020058N	▲	▲	▲
S224.0030.C0	3	45°	45°	-	-	0,05	0,05	22	4,5	224030058N	▲	▲	▲
P											●	●	●
M											-	-	-
K											-	-	-
N											-	-	-
S											-	-	-
H											-	-	-

B5



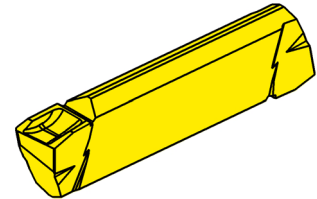
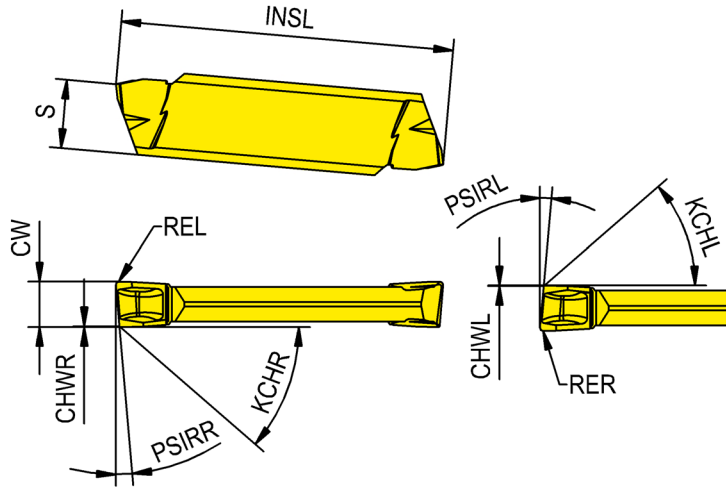
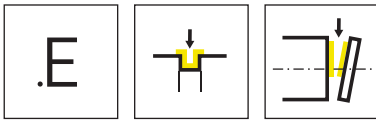
Sorten
Grades
▲ ab Lager
▲ on stock
Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	ALXT	IG6T
S224.0300.ZG2	3	0,2	0,2	22	4,5	224030058N	▲	
S224.0400.ZG4	4	0,4	0,4	22	4,5	224040058N	▲	▲
							P	●
							M	-
							K	-
							N	-
							S	-
							H	-



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS	S	Trennstelle M Interface M	AS45	HP65	IG35
S224.0200.3V2	2	0,2	0,2	22	4,5	224010058N	▲	▲	▲
S224.0250.3V2	2,5	0,2	0,2	22	4,5	224020058N	▲	▲	▲
S224.0300.3V2	3	0,2	0,2	22	4,5	224030058N	▲	▲	▲
S224.0400.3V3	4	0,3	0,3	22	4,5	224040058N	▲	▲	▲
							P	o	o
							M	•	•
							K	-	-
							N	-	-
							S	-	-
							H	-	-



R = rechts wie gezeichnet
R = right hand version shown

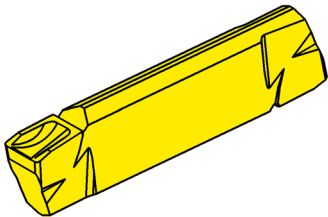
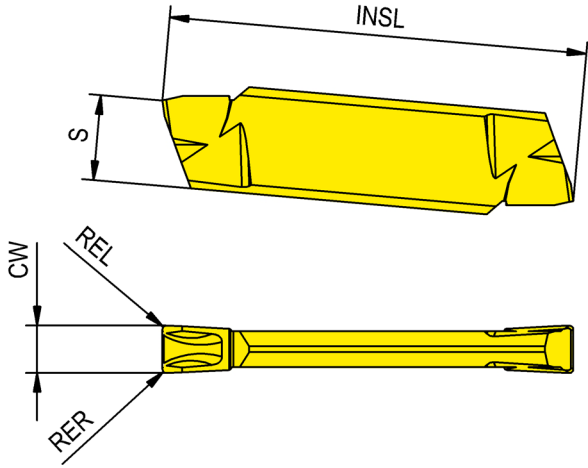
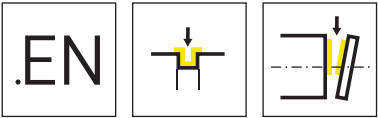
L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager
▲ on stock

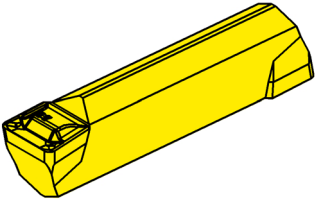
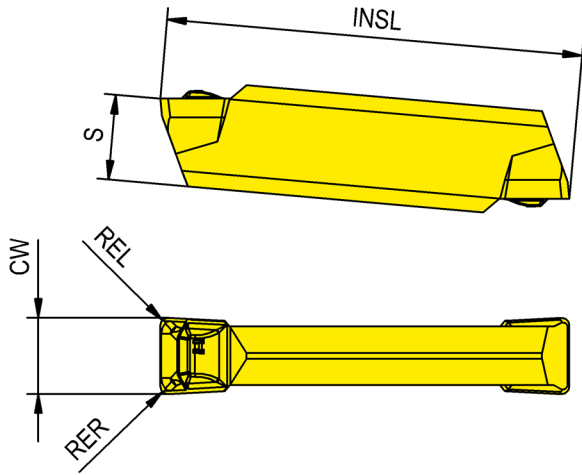
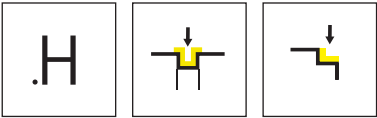
Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	KCHL	KCHR	PSIRL	PSIRR	CHWL	CHWR	INSL	S	Trennstelle M Interface M	AS62	TF43	TF45
RS224.0530.E2	3	0,2	-	-	45°	-	5°	-	0,05	22	4,5	224030058N	▲	Δ	▲
LS224.0530.E2	3	-	0,2	3°	-	5°	-	0,05	-	22	4,5	224030058N	▲		▲
S224.0200.E2	2	0,2	0,2	-	-	-	-	-	-	22	4,5	224010058N	▲	▲	▲
S224.0250.E2	2,5	0,2	0,2	-	-	-	-	-	-	22	4,5	224020058N	▲	▲	▲
S224.0300.E2	3	0,2	0,2	-	-	-	-	-	-	22	4,5	224030058N	▲	▲	▲
S224.0300.E4	3	0,4	0,4	-	-	-	-	-	-	22	4,5	224030058N	▲	Δ	▲
S224.0400.E2	4	0,2	0,2	-	-	-	-	-	-	22	4,5	224040058N	▲		▲
S224.0400.E4	4	0,4	0,4	-	-	-	-	-	-	22	4,5	224040058N	▲		▲
P		●	●	●											
M		o	o	o											
K		-	-	-											
N		-	-	-											
S		-	-	-											
H		-	-	-											



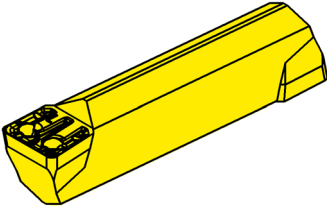
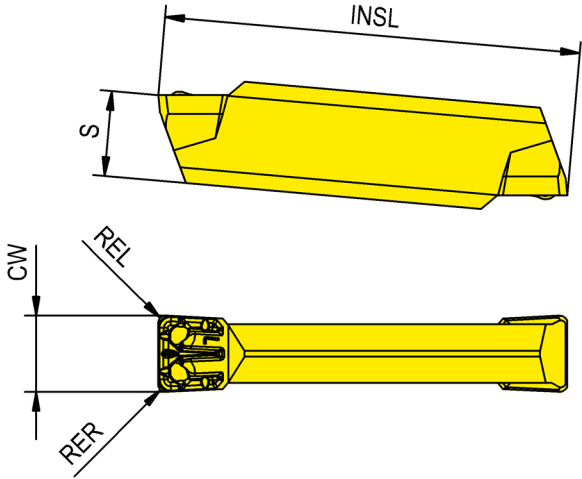
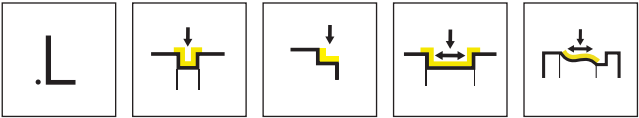
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M		AS62	AS65
S224.0200.EN2	2	0,2	0,2	22	4,5	224010058N		▲	
S224.0250.EN2	2,5	0,2	0,2	22	4,5	224020058N		▲	
S224.0300.EN2	3	0,2	0,2	22	4,5	224030058N		▲	▲
							P	●	●
							M	-	-
							K	-	-
							N	-	-
							S	-	-
							H	-	-



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

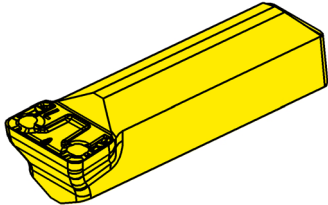
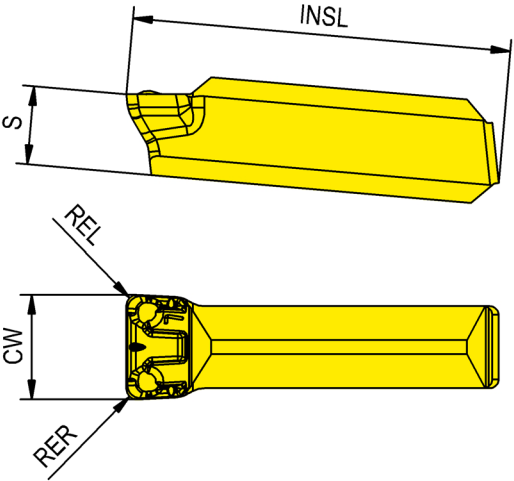
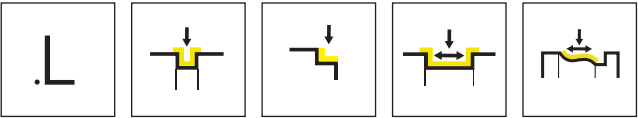
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S224.0300.H4	3	0,4	0,4	22	4,5	224030058N		Δ	▲
S224.0400.H4	4	0,4	0,4	22	4,5	224040058N		Δ	▲
S224.0500.H6	5	0,6	0,6	22	4,5	224050058N		Δ	▲
S224.0600.H6	6	0,6	0,6	22	4,5	224060058N			Δ
S224.0600.H8	6	0,8	0,8	22	4,5	224060058N			Δ
							P	●	●
							M	-	-
							K	o	-
							N	-	-
							S	-	-
							H	-	-



Sorten
Grades

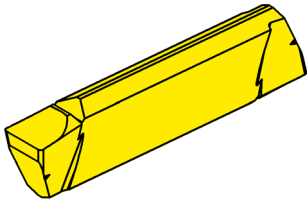
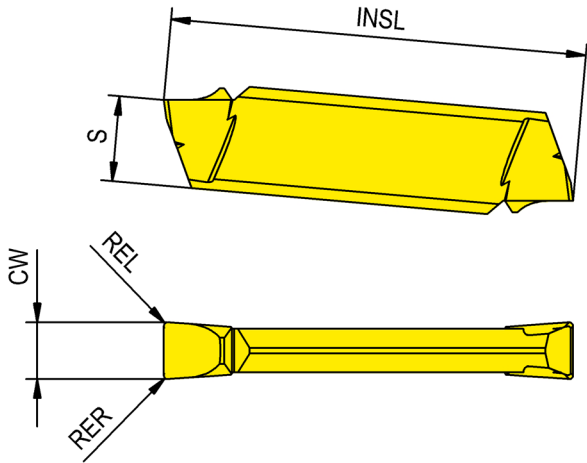
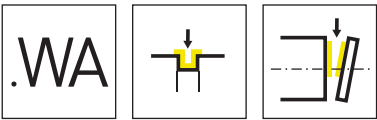
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	AS62	AS65	AS66	ASG6	IG65	IG66	IG96	TF42	TI22
S224.0300.L4	3	0,4	0,4	22	4,5	224030058N	▲	▲	▲	▲	▲	▲	▲		
S224.0400.L4	4	0,4	0,4	22	4,5	224040058N	▲		▲			▲	▲	▲	▲
S224.0500.L4	5	0,4	0,4	22	4,5	224050058N	▲		▲			▲	▲	▲	▲
S224.0500.L6	5	0,6	0,6	22	4,5	224050058N	▲		▲			▲	▲	▲	▲
S224.0600.L4	6	0,4	0,4	22	4,5	224060058N	▲					▲	▲	▲	▲
S224.0600.L6	6	0,6	0,6	22	4,5	224060058N	▲					▲	▲	Δ	▲
P	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●
M	○	○	○	-	○	○	○	○	○	○	○	○	○	○	○
K	○	○	○	-	○	○	○	○	○	○	○	○	○	○	○
N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



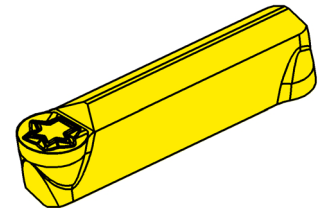
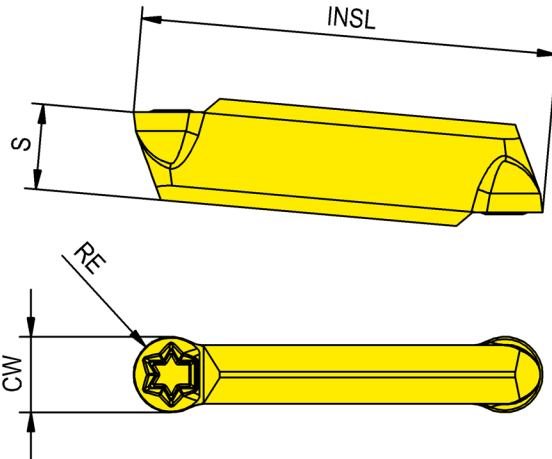
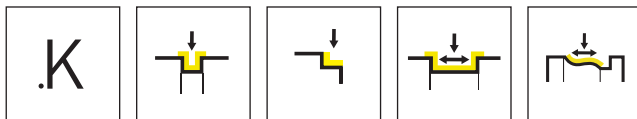
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS L	S	Trennstelle M Interface M		AS42	AS46	IG66	IG96
S124.0600.L6	6	0,6	0,6	21,7	4,5	224060058N		Δ	▲	Δ	▲
							P	-	-	●	●
							M	-	-	○	○
							K	-	-	○	-
							N	-	-	-	-
							S	-	-	-	-
							H	-	-	-	-



Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS	S	Trennstelle M Interface M		K10	DD26
S224.0200.WA2	2	0,2	0,2	22	4,5	224010058N		▲	▲
S224.0300.WA2	3	0,2	0,2	22	4,5	224030058N		▲	▲
							P	-	-
							M	o	-
							K	-	-
							N	-	•
							S	o	-
							H	-	-



Sorten	Grades
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	RE	INSL	S	Trennstelle M Interface M
S224.0010.K2	2	1	22	4,5	224010058N
S224.0015.K3	3	1,5	22	4,5	224030058N
S224.0020.K4	4	2	22	4,5	224040058N
S224.0025.K5	5	2,5	22	4,5	224050058N
S224.0030.K6	6	3	22	4,5	224060058N

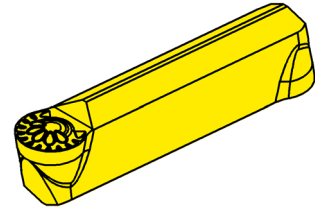
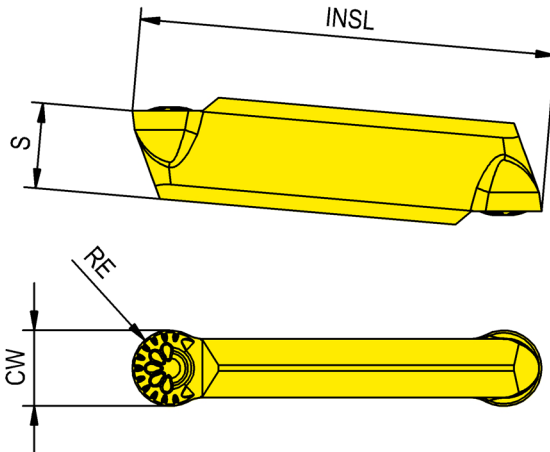
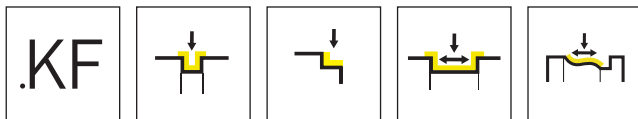
	AS62	AS66	IG66	IG96	TF42	TN32	TN35
P	●	●	●	●	●	●	-
M	o	o	o	o	o	-	-
K	o	o	o	-	-	o	-
N	-	-	-	-	-	-	-
S	-	-	o	-	-	-	-
H	-	-	-	-	-	-	-

Wendeschneidplatten sind in rechten und linken Klemmhaltern verwendbar.
Indexable inserts can be used in right and left hand toolholders.

B5

DMIN für Eckenfreistriche in Verbindung mit Klemmhalter unter 45°
DMIN for corner reliefs with toolholder 45°

CDX	S224.0010.K2	S224.0015.K3	S224.0020.K4	S224.0025.K5	S224.0030.K6
0,5	Ø 34	Ø 26	Ø 22	Ø 21	Ø 14
1,0	Ø 54	Ø 36	Ø 26	Ø 22	Ø 18
1,5	Ø 54	Ø 36	Ø 26	Ø 22	Ø 18
2,0	Ø 55	Ø 36	Ø 26	Ø 22	Ø 18
2,5	Ø 56	Ø 36	Ø 26	Ø 22	Ø 18
3,0	-	-	-	Ø 22	Ø 18



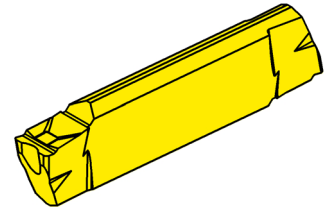
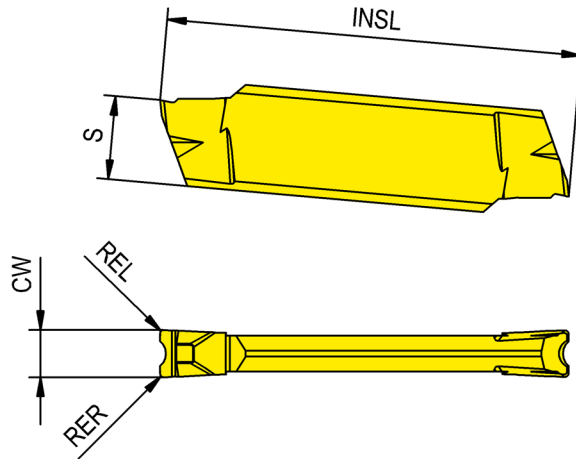
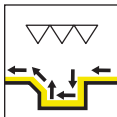
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	RE	INS	S	Trennstelle M Interface M		AS66	EG55	IG66	IG96
S224.0010.KF2	2	1	22	4,5	224010058N		▲	▲	▲	▲
S224.0015.KF3	3	1,5	22	4,5	224030058N		▲		▲	▲
S224.0020.KF4	4	2	22	4,5	224040058N		▲		▲	▲
S224.0025.KF5	5	2,5	22	4,5	224050058N		▲		▲	▲
S224.0030.KF6	6	3	22	4,5	224060058N		▲		▲	▲
						P	●	●	●	●
						M	○	○	○	○
						K	○	○	○	-
						N	-	-	-	-
						S	-	-	-	-
						H	-	-	-	-

Wendeschneidplatten sind in rechten und linken Klemmhaltern verwendbar.
Indexable inserts can be used in right and left hand toolholders.

DMIN für Eckenfreistriche in Verbindung mit Klemmhalter unter 45°
DMIN for corner reliefs with toolholder 45°

CDX	S229.0015.KF3	S229.0020.KF4	S229.0025.KF5	S229.0030.KF6
0,5	Ø 26	Ø 26	Ø 32	Ø 32
1,0	Ø 76	Ø 55	Ø 42	Ø 37
1,5	Ø 78	Ø 58	Ø 45	Ø 41
2,0	Ø 80	Ø 59	Ø 46	Ø 42
2,5	Ø 82	Ø 60	Ø 47	Ø 43
3,0	Ø 84	Ø 62	Ø 48	Ø 44
3,5	Ø 87	Ø 63	Ø 49	Ø 46
4,0	Ø 89	Ø 65	Ø 50	Ø 47



Sorten
Grades

▲ ab Lager
▲ on stock

Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M		T122	T125	T126
S224.NC25.D2	2,5	0,2	0,2	22	4,4	224020058N		▲	▲	▲
S224.NC30.D2	3	0,2	0,2	22	4,4	224030058N		▲	▲	▲
							P	●	●	-
							M	●	●	-
							K	-	-	-
							N	-	-	-
							S	-	-	-
							H	-	-	-

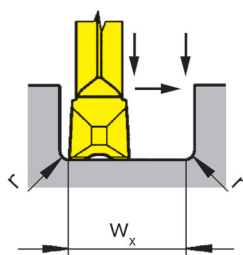
Berechnung der kleinstmöglichen Nutbreite w_x
Calculation of the smallest possible width of groove w_x

Beispiel S224.NC25.D2
Example

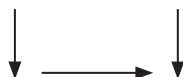
$w_x = 2 \times \text{Schneidbreite} / \text{Width of insert } w - 2 \times \text{Eckenradius Schneidplatte} / \text{Corner radius insert } r$

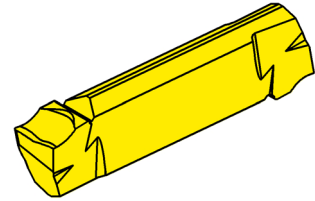
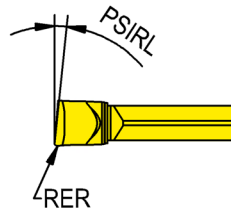
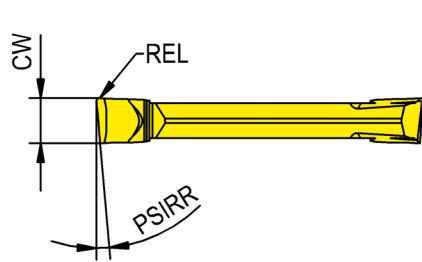
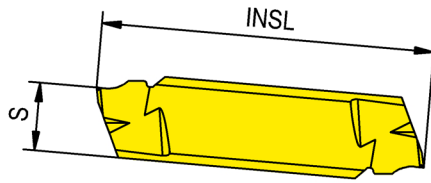
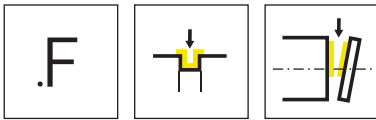
$w_x = 2 \times 2,5 \text{ mm} - 2 \times 0,2 \text{ mm}$

$w_x = 4,6 \text{ mm}$



Bearbeitungsablauf
Processing flow

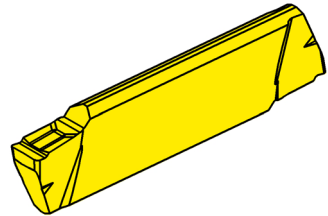
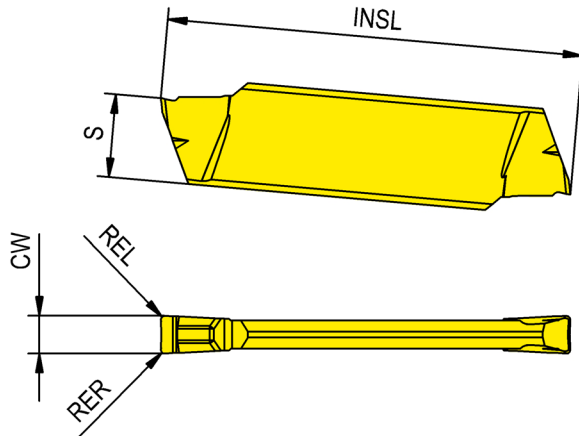
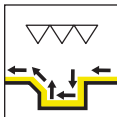




Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	PSIRL	PSIRR	INSL	S	Trennstelle M Interface M		TF43	TF45	TF46	Ti22	Ti25
RS224.0520.F2	2	0,2	-	-	5°	22	4,5	224010058N			▲	▲		
RS224.0525.F2	2,5	0,2	-	-	5°	22	4,5	224020058N		▲	▲			
RS224.0530.F2	3	0,2	-	-	5°	22	4,5	224030058N		▲	▲		Δ	
LS224.0520.F2	2	-	0,2	5°	-	22	4,5	224010058N			▲	Δ		
LS224.0525.F2	2,5	-	0,2	5°	-	22	4,5	224020058N			▲			
LS224.0530.F2	3	-	0,2	5°	-	22	4,5	224030058N		Δ	▲			
S224.0200.F2	2	0,2	0,2	-	-	22	4,5	224010058N		▲	▲	▲	▲	▲
S224.0250.F2	2,5	0,2	0,2	-	-	22	4,5	224020058N		Δ	▲		Δ	
S224.0300.F2	3	0,2	0,2	-	-	22	4,5	224030058N		▲	▲			▲
S224.0400.F2	4	0,2	0,2	-	-	22	4,5	224040058N			▲		▲	
									P	o	o	o	o	o
									M	•	•	•	•	•
									K	-	-	-	-	-
									N	-	-	-	-	-
									S	-	-	-	-	-
									H	-	-	-	-	-



Sorten
Grades

▲ ab Lager

Δ 4 Wochen

▲ on stock

Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	IG6T	H20
S224.FB20.02	2	0,2	0,2	22	4,4	224010058N	Δ	▲
S224.FB30.02	3	0,2	0,2	22	4,4	224030058N	Δ	▲
							P	●
							M	-
							K	-
							N	-
							S	o
							H	-

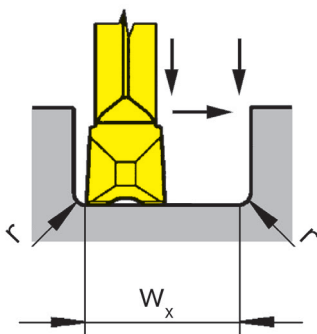
Berechnung der kleinstmöglichen Nutbreite w_x :
Calculation of the smallest possible width of groove w_x :

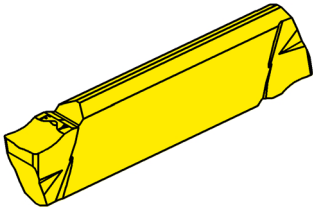
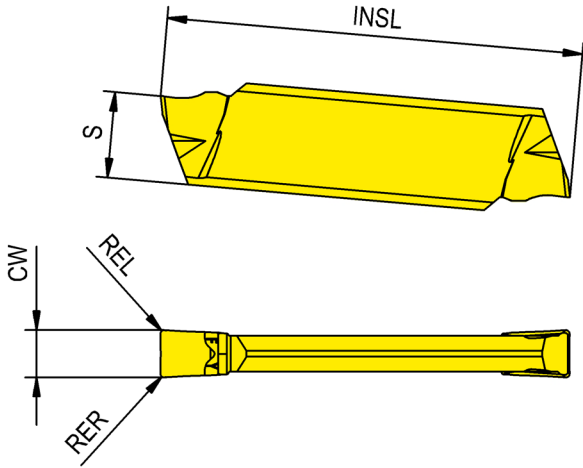
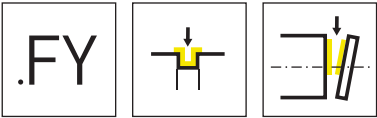
Beispiel S224.FB20.02
Example

$w_x = 2 \cdot \text{Schneidbreite CW (2 mm)} - 2 \cdot \text{Eckenradius r (0,2 mm, entspricht REL und RER der Schneidplatte)}$
2 · width of groove CW (2 mm) - 2 · corner radius r (0,2 mm, corresponds to the REL and RER of the insert)

$w_x = (2 \cdot 2 \text{ mm}) - (2 \cdot 0,2 \text{ mm})$

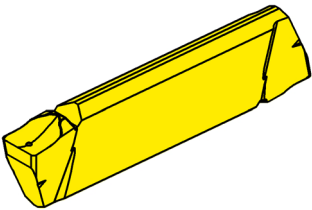
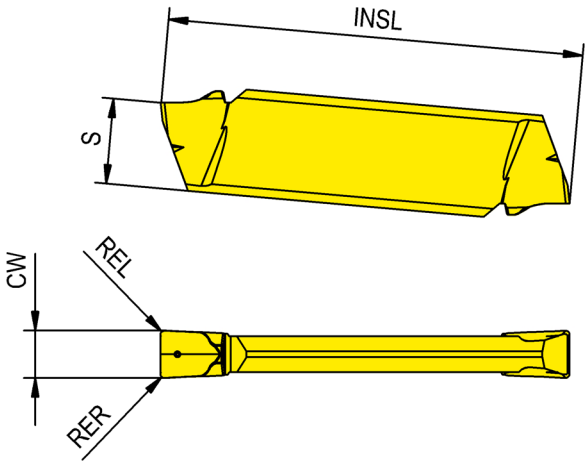
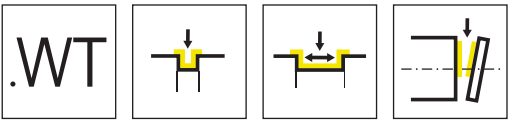
$w_x = 3,6 \text{ mm}$





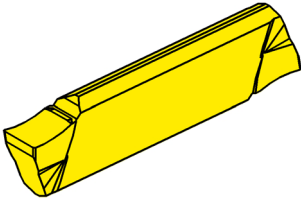
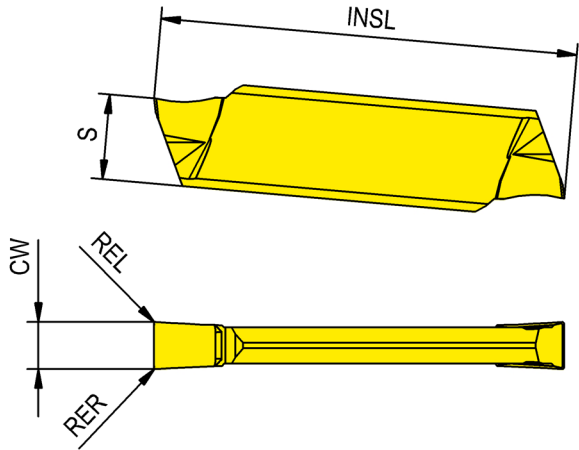
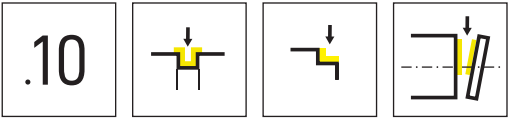
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M		HP65	IG35	TI25
S224.0200.FY2	2	0,2	0,2	22	4,4	224010058N		▲	▲	▲
S224.0250.FY2	2,5	0,2	0,2	22	4,4	224020058N		▲	▲	▲
S224.0300.FY2	3	0,2	0,2	22	4,4	224030058N		▲	▲	▲
							P	o	o	o
							M	•	•	•
							K	-	-	-
							N	-	-	-
							S	o	o	-
							H	-	-	-



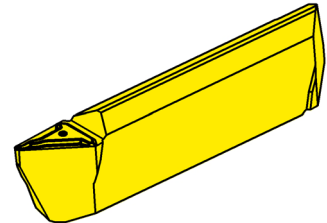
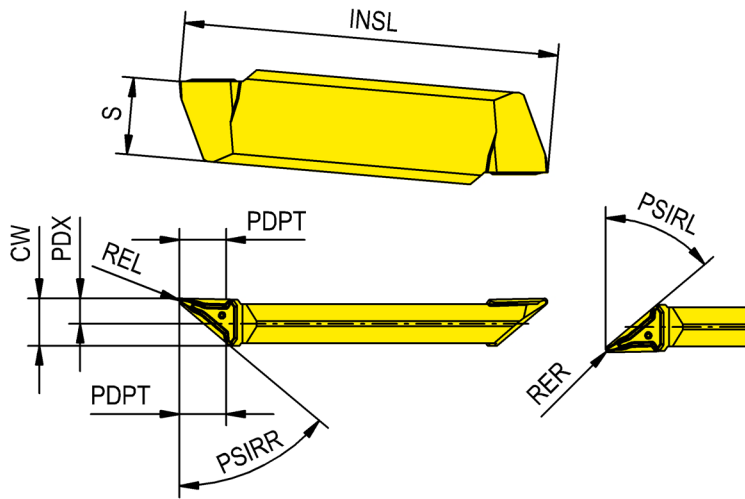
Sorten
Grades
▲ ab Lager
▲ on stock
Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	IG35
S224.0200.WT2	2	0,2	0,2	22	4,4	224010058N	▲
S224.0250.WT2	2,5	0,2	0,2	22	4,4	224020058N	▲
S224.0300.WT2	3	0,2	0,2	22	4,4	224030058N	▲
							P -
							M o
							K -
							N -
							S o
							H -



Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M		EG35	IG66
S224.0200.10	2	0,05	0,05	22	4,4	224010058N		▲	Δ
S224.0250.10	2,5	0,1	0,1	22	4,4	224020058N		▲	Δ
S224.0300.10	3	0,1	0,1	22	4,4	224030058N		▲	Δ
							P	●	●
							M	●	●
							K	-	-
							N	-	-
							S	-	o
							H	-	-

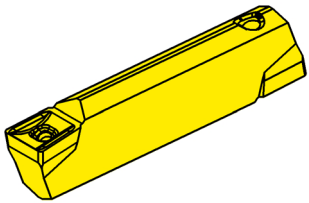
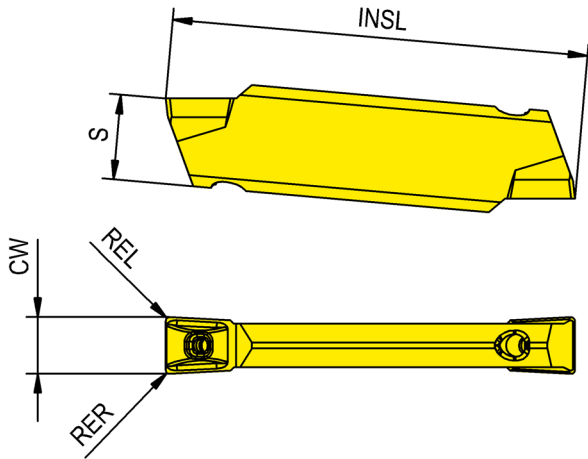
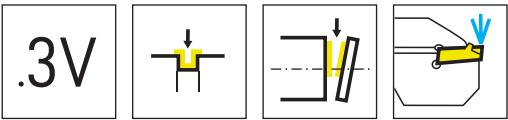


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	REL	RER	PSIRL	PSIRR	PDX	PDPT	INSL	S	Trennstelle M Interface M	EG55	IG35
RS224.5028.PT2	2,8	0,2	-	-	50°	1,5	2,5	22	4,5	224030058N	▲	▲
RS224.5029.PT4	2,9	0,4	-	-	50°	1,5	2,6	22	4,5	224030058N	▲	▲
LS224.5028.PT2	2,8	-	0,2	50°	-	1,5	2,5	22	4,5	224030058N	▲	▲
LS224.5029.PT4	2,9	-	0,4	50°	-	1,5	2,6	22	4,5	224030058N	▲	▲
für Klemmhalter H224.1...S.6.03.IK for Toolholder H224.1...S.6.03.IK											P	●
											M	●
											K	o
											N	-
											S	-
											H	-

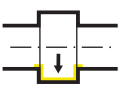
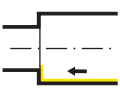


Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

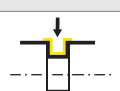
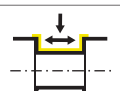
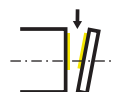
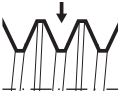
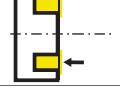
Artikelnummer Part number	CW	REL	RER	INS L	S	Trennstelle M Interface M		HP65	IG35
S224.0300.3V2.IK	3	0,2	0,2	22	4,5	224030059N		▲	▲
							P	o	o
							M	•	•
							K	-	-
							N	-	-
							S	-	-
							H	-	-

Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 28	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,1-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						
														

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 6,95	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,1-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
		•					•	•						
							•	•	•					



B6

Klemmhalter und Schneidplatten

Stechbreite 2,5 - 10 mm
Stechtiefe bis 25 mm

Toolholder and Inserts

Width of groove 2,5 - 10 mm
Depth of groove up to 25 mm

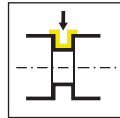
Inhaltsangabe

Summary

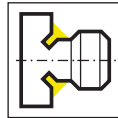
Geometrien und Vorschübe
Geometries and feed rates

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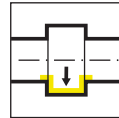
Klemmhalter
Toolholder
210/218/226/H229
219/225/213/214/H259



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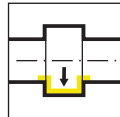


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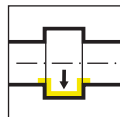
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Grundhalter
Basic toolholder
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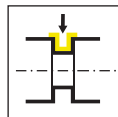


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Kassette
Cassette
BK229/050



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Wendeschneidplatte
Indexable insert
S229/229/259

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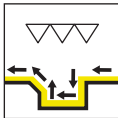
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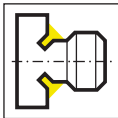
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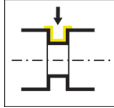
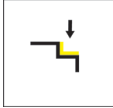
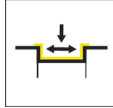
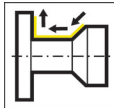
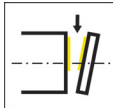
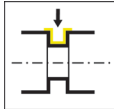
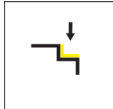
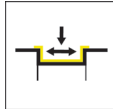
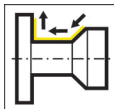
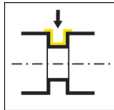
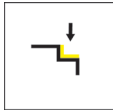
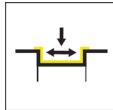
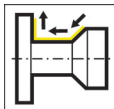
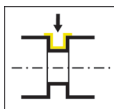
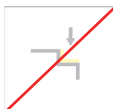
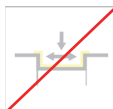
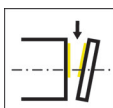
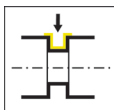
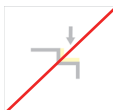
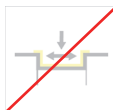
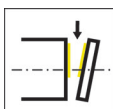
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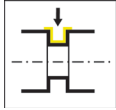
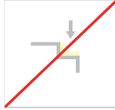
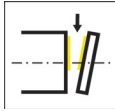
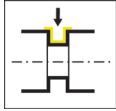
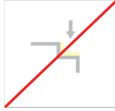
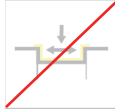
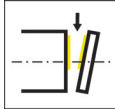
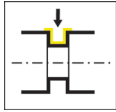
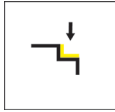
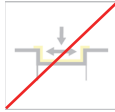
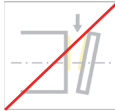
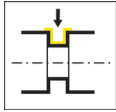
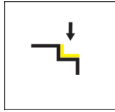
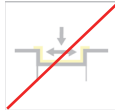
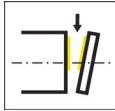
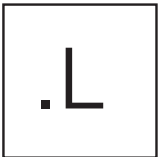
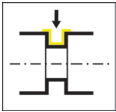
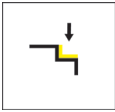
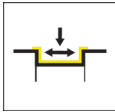
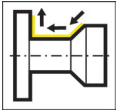
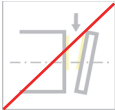
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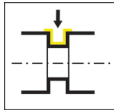
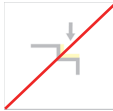
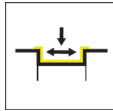
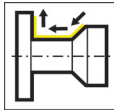
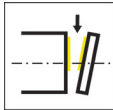
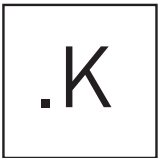
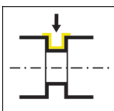
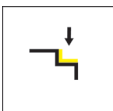
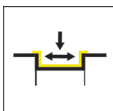
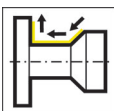
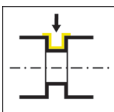
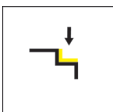
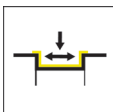
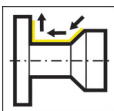
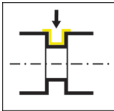
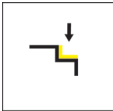
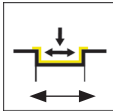
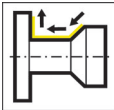
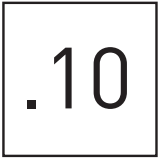
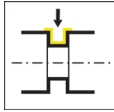
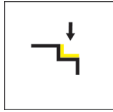
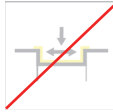
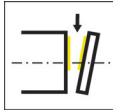
Schneidplatte
Insert
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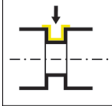
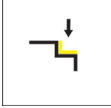
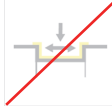
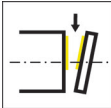
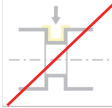
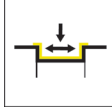
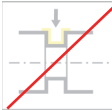
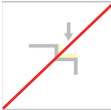
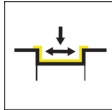
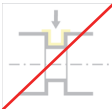
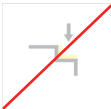
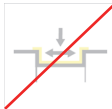
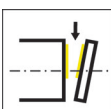
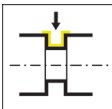
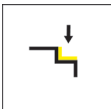
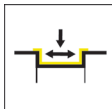
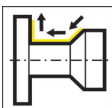
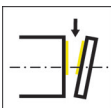
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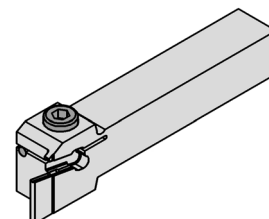
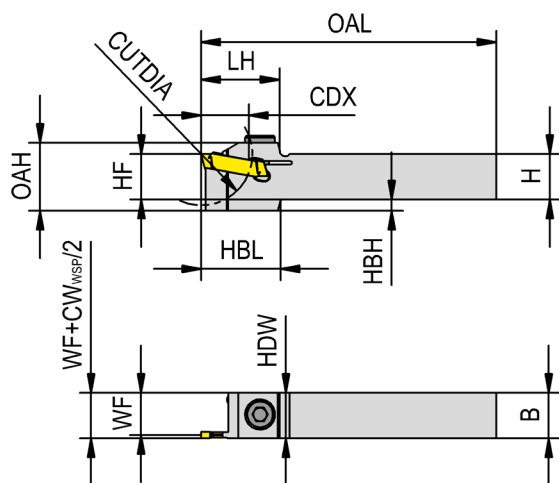
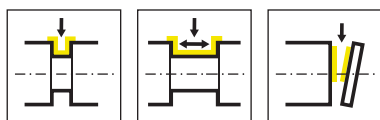
Seite/Page
282

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,15-0,25 ↔ 0,15-0,40	    
	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	    
	P M K N S H	↓ 0,05-0,30 ↔ 0,10-0,30	    
	P M K N S H	↓ 0,08-0,30	    
	P M K N S H	↓ 0,03-0,15	    

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,03-0,15	    
	P M K N S H	↓ 0,05-0,20	    
	P M K N S H	↓ 0,15-0,25 ↔ 0,10-0,25	    
	P M K N S H	↓ 0,20-0,30	    
	P M K N S H	↓ 0,10-0,22 ↔ 0,05-0,20	    

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,05-0,25 ↔ 0,05-0,25	    
	P M K N S H	↓ 0,05-0,25 ↔ 0,05-0,25	    
	P M K N S H	↓ 0,10-0,45 ↔ 0,05-0,25	    
	P M K N S H	↓ 0,25-0,5 ↔ 0,25-0,5	    
	P M K N S H	↓ 0,05-0,15	    

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
.20	P M K N S H	↓ 0,07-0,25	    
.NC	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	    
.FB	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	    
.C	P M K N S H	↓ 0,02-0,10	    
.M0	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	    



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Partnumber	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	TrennstelleW InterfaceW
R210.2020.02	11	150	20	20	150	35	35	30	-	5	18,55	20	229020108N•229030108N•S229020108N•S229030108N
R210.2525.02	11	150	25	25	150	35	-	30	-	-	23,55	25	229020108N•229030108N•S229020108N•S229030108N
R210.1616.03	11	-	16	16	150	35	45	30	20	9	14,55	16	229030108N•229040108N•S229030108N•S229040108N
R210.2020.03	11	-	20	20	150	35	35	30	-	5	18,55	20	229030108N•229040108N•S229030108N•S229040108N
R210.2525.03	11	-	25	25	150	35	-	30	-	-	23,55	25	229030108N•229040108N•S229030108N•S229040108N
R210.3225.03	11	-	32	25	170	35	-	37	-	-	23,55	32	229030108N•229040108N•S229030108N•S229040108N
R210.2020.04	11	-	20	20	150	35	35	30	-	5	17,7	20	229040108N•229050108N•S229040108N•S229050108N
R210.2525.04	11	-	25	25	150	35	-	30	-	-	22,7	25	229040108N•229050108N•S229040108N•S229050108N
R210.3225.04	11	-	32	25	170	35	-	37	-	-	22,7	32	229040108N•229050108N•S229040108N•S229050108N
R210.2020.05	11	-	20	20	150	35	35	30	-	5	17,2	20	229060108N•S229060108N
R210.2525.05	11	-	25	25	150	35	-	30	-	-	22,2	25	229060108N•S229060108N
R210.3225.05	11	-	32	25	170	35	-	37	-	-	22,2	32	229060108N•S229060108N
L210.2020.02	11	150	20	20	150	35	35	30	-	5	18,55	20	229020108N•229030108N•S229020108N•S229030108N
L210.2525.02	11	150	25	25	150	35	-	30	-	-	23,55	25	229020108N•229030108N•S229020108N•S229030108N
L210.1616.03	11	-	16	16	150	35	45	30	20	9	14,55	16	229030108N•229040108N•S229030108N•S229040108N
L210.2020.03	11	-	20	20	150	35	35	30	-	5	18,55	20	229030108N•229040108N•S229030108N•S229040108N
L210.2525.03	11	-	25	25	150	35	-	30	-	-	23,55	25	229030108N•229040108N•S229030108N•S229040108N
L210.3225.03	11	-	32	25	170	35	-	37	-	-	23,55	32	229030108N•229040108N•S229030108N•S229040108N
L210.2020.04	11	-	20	20	150	35	35	30	-	5	17,7	20	229040108N•229050108N•S229040108N•S229050108N
L210.2525.04	11	-	25	25	150	35	-	30	-	-	22,7	25	229040108N•229050108N•S229040108N•S229050108N
L210.3225.04	11	-	32	25	170	35	-	37	-	-	22,7	32	229040108N•229050108N•S229040108N•S229050108N
L210.2020.05	11	-	20	20	150	35	35	30	-	5	17,2	20	229060108N•S229060108N
L210.2525.05	11	-	25	25	150	35	-	30	-	-	22,2	25	229060108N•S229060108N
L210.3225.05	11	-	32	25	170	35	-	37	-	-	22,2	32	229060108N•S229060108N

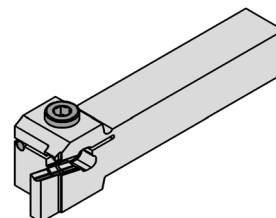
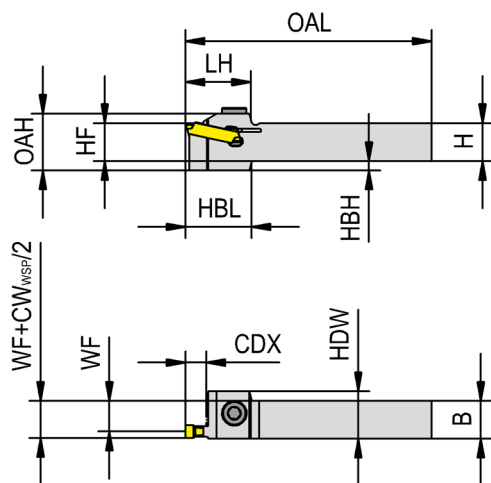
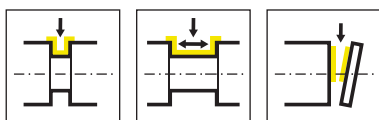
CW siehe Wendeschneidplatten
CW see indexable inserts

R/L 210...02 max. Stechtiefe bis Ø 150 mm
R/L 210...02 max. depth of groove up to Ø 150 mm

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw
R/L210...	218.3



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

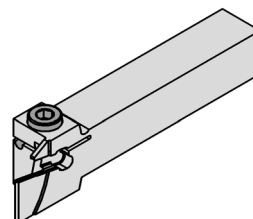
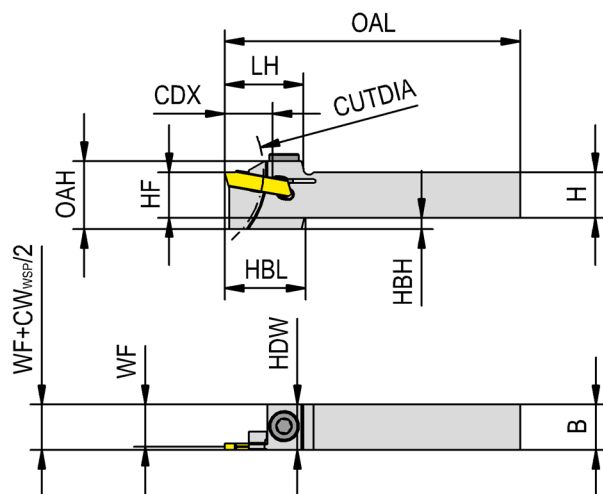
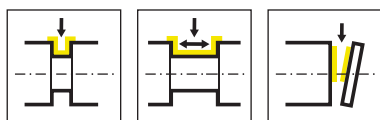
Artikelnummer Partnumber	CDX	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	TrennstelleW InterfaceW
R210.2020.07	11	20	20	150	35	35	30	25	5	16,2	20	229070108N•229080108N•S229070108N•S229080108N
R210.2525.07	11	25	25	150	35	-	30	-	-	21,2	25	229070108N•229080108N•S229070108N•S229080108N
R210.3225.07	11	32	25	170	35	-	37	-	-	21,2	32	229070108N•229080108N•S229070108N•S229080108N
R210.2020.08	11	20	20	150	35	35	30	25	5	16,2	20	229080108N•S229080108N
R210.2525.08	11	25	25	150	35	-	30	-	-	21,2	25	229080108N•S229080108N
R210.2020.09	11	20	20	150	35	35	32	-	5	15,2	20	229090108N•229100108N•S229090108N•S229100108N
R210.2525.09	11	25	25	150	35	35	39	-	7	20,2	25	229090108N•229100108N•S229090108N•S229100108N
L210.2020.07	11	20	20	150	35	35	30	25	5	16,2	20	229070108N•229080108N•S229070108N•S229080108N
L210.2525.07	11	25	25	150	35	-	30	-	-	21,2	25	229070108N•229080108N•S229070108N•S229080108N
L210.2525.08	11	25	25	150	35	-	30	-	-	21,2	25	229080108N•S229080108N
L210.2020.09	11	20	20	150	35	35	32	-	5	15,2	20	229090108N•229100108N•S229090108N•S229100108N
L210.2525.09	11	25	25	150	35	35	39	-	7	20,2	25	229090108N•229100108N•S229090108N•S229100108N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L210...07-08	218.3		
L210...09		L218.9	T15PQ
R210...09		R218.9	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Partnumber	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	TrennstelleW InterfaceW
R218.2020.02	18	80	20	20	150	35	35	30	-	5	18,55	20	229020108N•229030108N•S229020108N•S229030108N
R218.2525.02	18	80	25	25	150	35	-	30	-	-	23,55	25	229020108N•229030108N•S229020108N•S229030108N
R218.1616.03	18	-	16	16	150	35	45	30	20	9	14,55	16	229030108N•229040108N•S229030108N•S229040108N
R218.2020.03	18	-	20	20	150	35	35	30	-	5	18,55	20	229030108N•229040108N•S229030108N•S229040108N
R218.2525.03	18	-	25	25	150	35	-	30	-	-	23,55	25	229030108N•229040108N•S229030108N•S229040108N
R218.3225.03	18	-	32	25	170	35	-	37	-	-	23,55	32	229030108N•229040108N•S229030108N•S229040108N
R218.2020.04	18	-	20	20	150	35	35	30	-	5	17,7	20	229040108N•229050108N•S229040108N•S229050108N
R218.2525.04	18	-	25	25	150	35	-	30	-	-	22,7	25	229040108N•229050108N•S229040108N•S229050108N
R218.3225.04	18	-	32	25	170	35	-	37	-	-	22,7	32	229040108N•229050108N•S229040108N•S229050108N
R218.2020.05	18	-	20	20	150	35	35	30	-	5	17,2	20	229060108N•S229060108N
R218.2525.05	18	-	25	25	150	35	-	30	-	-	22,2	25	229060108N•S229060108N
R218.3225.05	18	-	32	25	170	35	-	37	-	-	22,2	32	229060108N•S229060108N
L218.2020.02	18	80	20	20	150	35	35	30	-	5	18,55	20	229020108N•229030108N•S229020108N•S229030108N
L218.2525.02	18	80	25	25	150	35	-	30	-	-	23,55	25	229020108N•229030108N•S229020108N•S229030108N
L218.1616.03	18	-	16	16	150	35	45	30	20	9	14,55	16	229030108N•229040108N•S229030108N•S229040108N
L218.2020.03	18	-	20	20	150	35	35	30	-	5	18,55	20	229030108N•229040108N•S229030108N•S229040108N
L218.2525.03	18	-	25	25	150	35	-	30	-	-	23,55	25	229030108N•229040108N•S229030108N•S229040108N
L218.3225.03	18	-	32	25	170	35	-	37	-	-	23,55	32	229030108N•229040108N•S229030108N•S229040108N
L218.2020.04	18	-	20	20	150	35	35	30	-	5	17,7	20	229040108N•229050108N•S229040108N•S229050108N
L218.2525.04	18	-	25	25	150	35	-	30	-	-	22,7	25	229040108N•229050108N•S229040108N•S229050108N
L218.3225.04	18	-	32	25	170	35	-	37	-	-	22,7	32	229040108N•229050108N•S229040108N•S229050108N
L218.2020.05	18	-	20	20	150	35	35	30	-	5	17,2	20	229060108N•S229060108N
L218.2525.05	18	-	25	25	150	35	-	30	-	-	22,2	25	229060108N•S229060108N
L218.3225.05	18	-	32	25	170	35	-	37	-	-	22,2	32	229060108N•S229060108N

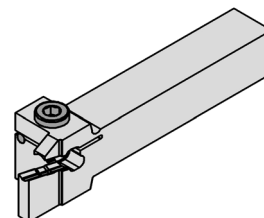
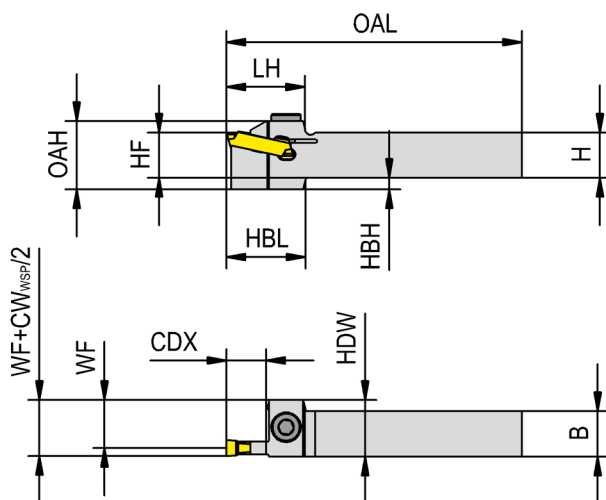
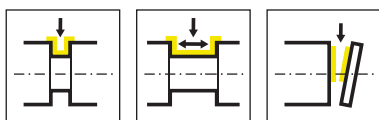
CW siehe Wendeschneidplatten
CW see indexable inserts

R/L 218...02 max. Stechtiefe bis Ø 80 mm
R/L 218...02 max. depth of groove up to Ø 80 mm

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw
R/L218...	218.3



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

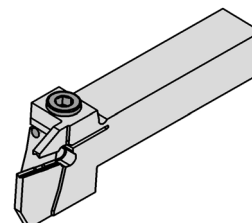
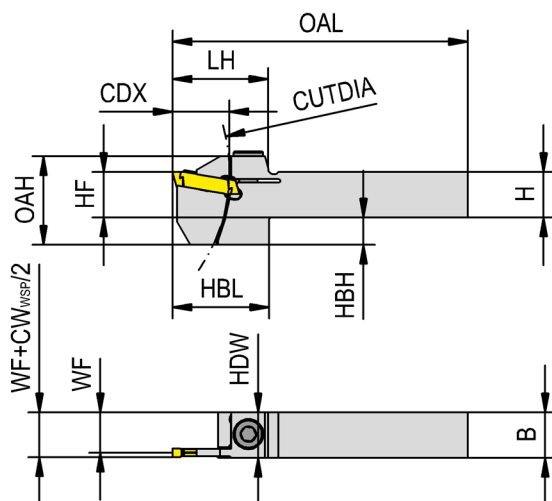
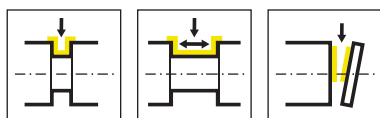
Artikelnummer Partnumber	CDX	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	TrennstelleW InterfaceW
R218.2020.07	18	20	20	150	35	35	30	25	5	16,2	20	229070108N•229080108N•S229070108N•S229080108N
R218.2525.07	18	25	25	150	35	-	30	-	-	21,2	25	229070108N•229080108N•S229070108N•S229080108N
R218.3225.07	18	32	25	170	35	-	37	-	-	21,2	32	229070108N•229080108N•S229070108N•S229080108N
R218.2020.09	18	20	20	150	35	35	32	-	5	15,2	20	229090108N•229100108N•S229090108N•S229100108N
R218.2525.09	18	25	25	150	35	-	32	-	-	20,2	25	229090108N•229100108N•S229090108N•S229100108N
R218.3225.09	18	32	25	170	35	-	39	-	-	20,2	32	229090108N•229100108N•S229090108N•S229100108N
L218.2020.07	18	20	20	150	35	35	30	25	5	16,2	20	229070108N•229080108N•S229070108N•S229080108N
L218.2525.07	18	25	25	150	35	-	30	-	-	21,2	25	229070108N•229080108N•S229070108N•S229080108N
L218.3225.07	18	32	25	170	35	-	37	-	-	21,2	32	229070108N•229080108N•S229070108N•S229080108N
L218.2525.08	18	25	25	150	35	-	30	-	-	21,2	25	229080108N•S229080108N
L218.2020.09	18	20	20	150	35	35	32	-	5	15,2	20	229090108N•229100108N•S229090108N•S229100108N
L218.3225.09	18	32	25	170	35	-	39	-	-	20,2	32	229090108N•229100108N•S229090108N•S229100108N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L218...07-08	218.3		
L218...09		L218.9	T15PQ
R218...09		R218.9	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

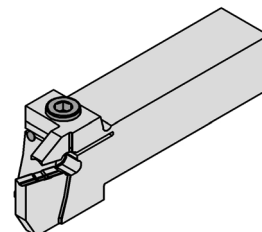
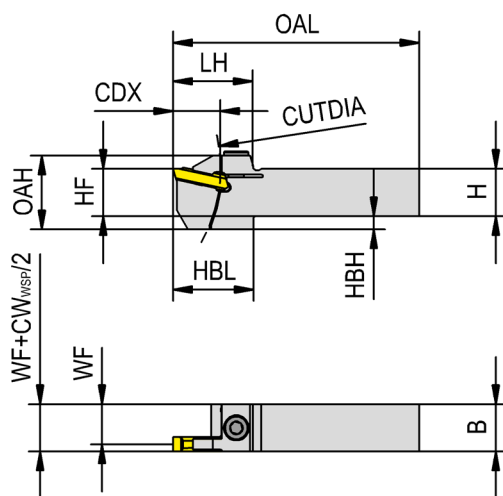
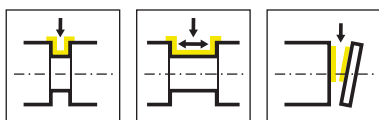
Artikelnummer Partnumber	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	TrennstelleW InterfaceW
R226.1616.03	25	150	16	16	150	42,5	52,5	39	20	16	14,55	16	229030108N•229040108N•S229030108N•S229040108N
R226.2020.03	25	150	20	20	150	42,5	42,5	39	-	12	18,55	20	229030108N•229040108N•S229030108N•S229040108N
R226.2525.03	25	150	25	25	150	42,5	42,5	39	-	7	23,55	25	229030108N•229040108N•S229030108N•S229040108N
R226.3225.03	25	150	32	25	170	42,5	-	39	-	-	23,55	32	229030108N•229040108N•S229030108N•S229040108N
R226.1616.04	25	150	16	16	150	42,5	52,5	39	20	16	13,7	16	229040108N•229050108N•S229040108N•S229050108N
R226.2020.04	25	150	20	20	150	42,5	42,5	39	-	12	17,7	20	229040108N•229050108N•S229040108N•S229050108N
R226.2525.04	25	150	25	25	150	42,5	42,5	39	-	7	22,7	25	229040108N•229050108N•S229040108N•S229050108N
R226.3225.04	25	150	32	25	170	42,5	-	39	-	-	22,7	32	229040108N•229050108N•S229040108N•S229050108N
R226.2020.05	25	150	20	20	150	42,5	42,5	39	25	12	17,2	20	229060108N•S229060108N
R226.2525.05	25	150	25	25	150	42,5	42,5	39	-	7	22,2	25	229060108N•S229060108N
R226.3225.05	25	150	32	25	170	42,5	-	39	-	-	22,2	32	229060108N•S229060108N
L226.1616.03	25	150	16	16	150	42,5	52,5	39	20	16	14,55	16	229030108N•229040108N•S229030108N•S229040108N
L226.2020.03	25	150	20	20	150	42,5	42,5	39	-	12	18,55	20	229030108N•229040108N•S229030108N•S229040108N
L226.2525.03	25	150	25	25	150	42,5	42,5	39	-	7	23,55	25	229030108N•229040108N•S229030108N•S229040108N
L226.3225.03	25	150	32	25	170	42,5	-	39	-	-	23,55	32	229030108N•229040108N•S229030108N•S229040108N
L226.1616.04	25	150	16	16	150	42,5	52,5	39	20	16	13,7	16	229040108N•229050108N•S229040108N•S229050108N
L226.2020.04	25	150	20	20	150	42,5	42,5	39	-	12	17,7	20	229040108N•229050108N•S229040108N•S229050108N
L226.2525.04	25	150	25	25	150	42,5	42,5	39	-	7	22,7	25	229040108N•229050108N•S229040108N•S229050108N
L226.3225.04	25	150	32	25	170	42,5	-	39	-	-	22,7	32	229040108N•229050108N•S229040108N•S229050108N
L226.2020.05	25	150	20	20	150	42,5	42,5	39	25	12	17,2	20	229060108N•S229060108N
L226.2525.05	25	150	25	25	150	42,5	42,5	39	-	7	22,2	25	229060108N•S229060108N
L226.3225.05	25	150	32	25	170	42,5	-	39	-	-	22,2	32	229060108N•S229060108N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw
R/L226...	218.3



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

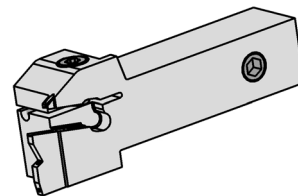
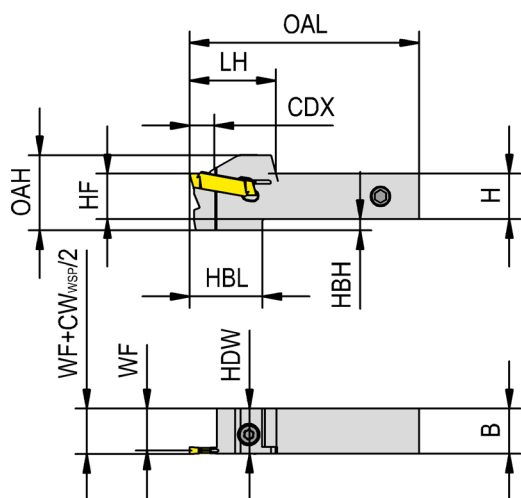
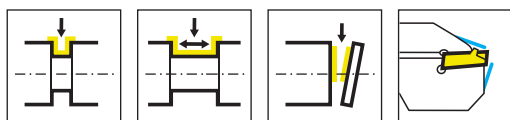
Artikelnummer Partnumber	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	TrennstelleW InterfaceW
R226.2525.07	25	150	25	25	150	42,5	42,5	39	7	21,2	25	229070108N•229080108N•S229070108N•S229080108N
R226.3225.07	25	150	32	25	170	42,5	-	39	-	21,2	32	229070108N•229080108N•S229070108N•S229080108N
R226.2525.08	25	150	25	25	150	42,5	42,5	39	7	21,2	25	229080108N•S229080108N
R226.3225.08	25	150	32	25	170	42,5	-	39	-	21,2	32	229080108N•S229080108N
R226.2525.09	25	150	25	25	150	50	50	47	7	20,2	25	229090108N•229100108N•S229090108N•S229100108N
R226.3225.09	25	150	32	25	170	50	-	47	-	20,2	32	229090108N•229100108N•S229090108N•S229100108N
L226.2525.07	25	150	25	25	150	42,5	42,5	39	7	21,2	25	229070108N•229080108N•S229070108N•S229080108N
L226.3225.07	25	150	32	25	170	42,5	-	39	-	21,2	32	229070108N•229080108N•S229070108N•S229080108N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L226...07-08	218.3		
R/L226...09		020.1008.0041	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

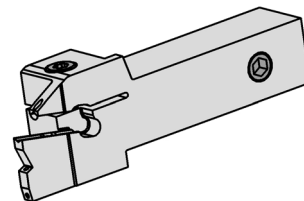
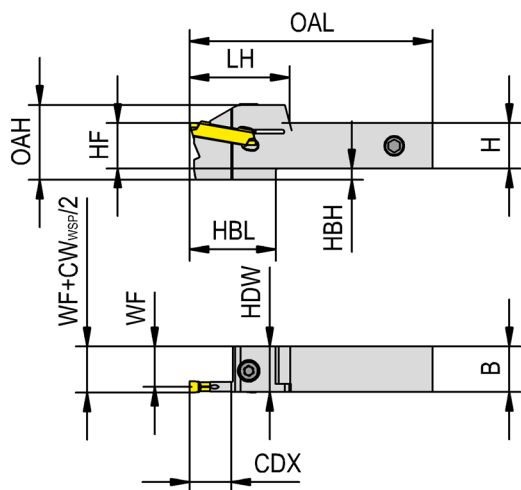
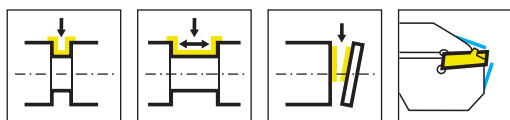
Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH229.1616.11.0A.03.IK	11	16	16	92	38	32	33	20	9	14,55	16	229030108N • S229030108N
RH229.1616.11.0A.04.IK	11	16	16	92	38	32	33	20	9	14,15	16	229040108N • S229040108N
RH229.2020.11.0A.03.IK	11	20	20	101	38	32	33	-	5	18,55	20	229030108N • S229030108N
RH229.2020.11.0A.04.IK	11	20	20	101	38	32	33	-	5	18,15	20	229040108N • S229040108N
RH229.2020.11.0A.05.IK	11	20	20	101	38	32	33	-	5	17,75	20	229050108N • S229050108N
RH229.2020.11.0A.06.IK	11	20	20	101	38	32	33	-	5	17,4	20	229060108N • S229060108N
RH229.2020.11.0A.08.IK	11	20	20	103	40	34	39	-	11	16,9	20	229080108N • S229080108N
RH229.2525.11.0A.03.IK	11	25	25	116	38	32	39	-	6	23,55	25	229030108N • S229030108N
RH229.2525.11.0A.04.IK	11	25	25	116	38	32	39	-	6	23,15	25	229040108N • S229040108N
RH229.2525.11.0A.05.IK	11	25	25	116	38	32	39	-	6	22,75	25	229050108N • S229050108N
RH229.2525.11.0A.06.IK	11	25	25	116	38	32	39	-	6	22,4	25	229060108N • S229060108N
RH229.2525.11.0A.08.IK	11	25	25	116	38	32	39	-	6	21,9	25	229080108N • S229080108N
LH229.1616.11.0A.03.IK	11	16	16	92	38	32	33	20	9	14,55	16	229030108N • S229030108N
LH229.1616.11.0A.04.IK	11	16	16	92	38	32	33	20	9	14,15	16	229040108N • S229040108N
LH229.2020.11.0A.03.IK	11	20	20	101	38	32	33	-	5	18,55	20	229030108N • S229030108N
LH229.2020.11.0A.04.IK	11	20	20	101	38	32	33	-	5	18,15	20	229040108N • S229040108N
LH229.2020.11.0A.05.IK	11	20	20	101	38	32	33	-	5	17,75	20	229050108N • S229050108N
LH229.2020.11.0A.06.IK	11	20	20	101	38	32	33	-	5	17,4	20	229060108N • S229060108N
LH229.2020.11.0A.08.IK	11	20	20	103	40	34	39	-	11	16,9	20	229080108N • S229080108N
LH229.2525.11.0A.04.IK	11	25	25	116	38	32	39	-	6	23,15	25	229040108N • S229040108N
LH229.2525.11.0A.05.IK	11	25	25	116	38	32	39	-	6	22,75	25	229050108N • S229050108N
LH229.2525.11.0A.06.IK	11	25	25	116	38	32	39	-	6	22,4	25	229060108N • S229060108N
LH229.2525.11.0A.08.IK	11	25	25	116	38	32	39	-	6	21,9	25	229080108N • S229080108N

Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".
Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH229...	004.00.16	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

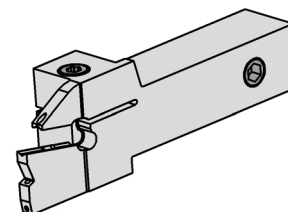
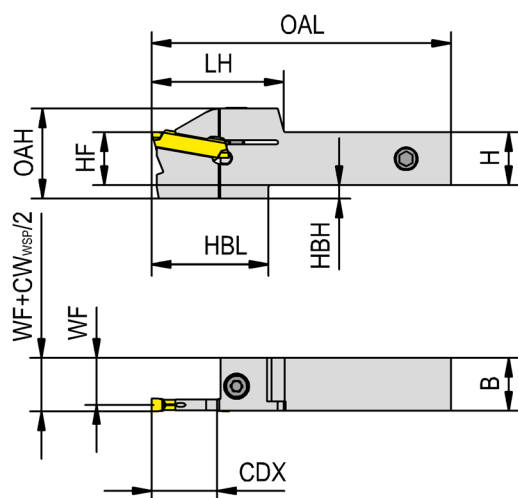
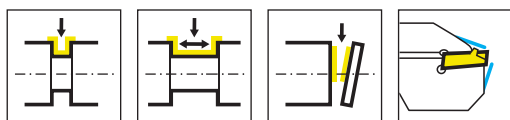
Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH229.2020.18.0A.03.IK	18	20	20	107	44	38	33	5	18,55	20	229030108N • S229030108N
RH229.2020.18.0A.04.IK	18	20	20	107	44	38	33	5	18,15	20	229040108N • S229040108N
RH229.2020.18.0A.05.IK	18	20	20	107	44	38	33	5	17,75	20	229050108N • S229050108N
RH229.2020.18.0A.06.IK	18	20	20	107	44	38	33	5	17,4	20	229060108N • S229060108N
RH229.2020.18.0A.08.IK	18	20	20	109	46	40	40	12	16,9	20	229080108N • S229080108N
RH229.2525.18.0A.03.IK	18	25	25	122	44	38	40	7	23,55	25	229030108N • S229030108N
RH229.2525.18.0A.04.IK	18	25	25	122	44	38	40	7	23,15	25	229040108N • S229040108N
RH229.2525.18.0A.05.IK	18	25	25	122	44	38	40	7	22,75	25	229050108N • S229050108N
RH229.2525.18.0A.06.IK	18	25	25	122	44	38	40	7	22,4	25	229060108N • S229060108N
RH229.2525.18.0A.08.IK	18	25	25	122	44	38	40	7	21,9	25	229080108N • S229080108N
LH229.2020.18.0A.03.IK	18	20	20	107	44	38	33	5	18,55	20	229030108N • S229030108N
LH229.2020.18.0A.04.IK	18	20	20	107	44	38	33	5	18,15	20	229040108N • S229040108N
LH229.2020.18.0A.05.IK	18	20	20	107	44	38	33	5	17,75	20	229050108N • S229050108N
LH229.2020.18.0A.06.IK	18	20	20	107	44	38	33	5	17,4	20	229060108N • S229060108N
LH229.2020.18.0A.08.IK	18	20	20	109	46	40	40	12	16,9	20	229080108N • S229080108N
LH229.2525.18.0A.03.IK	18	25	25	122	44	38	40	7	23,55	25	229030108N • S229030108N
LH229.2525.18.0A.04.IK	18	25	25	122	44	38	40	7	23,15	25	229040108N • S229040108N
LH229.2525.18.0A.05.IK	18	25	25	122	44	38	40	7	22,75	25	229050108N • S229050108N
LH229.2525.18.0A.06.IK	18	25	25	122	44	38	40	7	22,4	25	229060108N • S229060108N
LH229.2525.18.0A.08.IK	18	25	25	122	44	38	40	7	21,9	25	229080108N • S229080108N

Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".
Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH229...	004.00.16	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

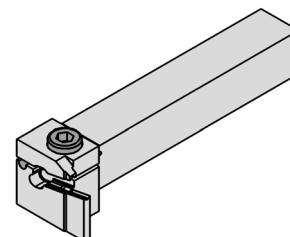
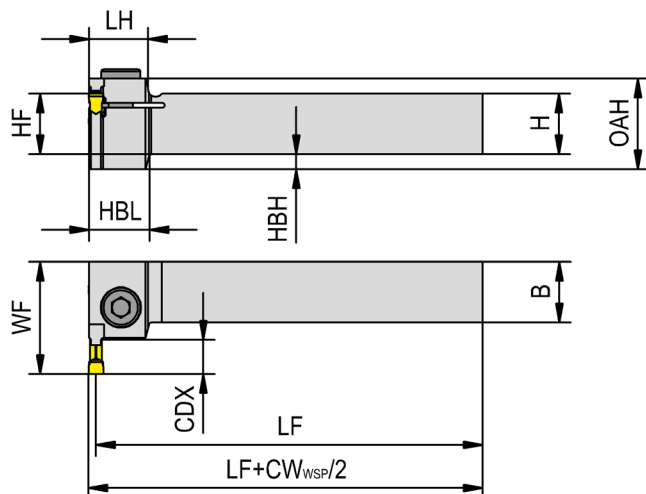
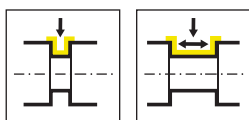
Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH229.2020.25.0A.03.IK	25	20	20	113	50	44	34	5	18,55	20	229030108N • S229030108N
RH229.2020.25.0A.04.IK	25	20	20	113	50	44	34	5	18,15	20	229040108N • S229040108N
RH229.2020.25.0A.05.IK	25	20	20	113	50	44	34	5	17,75	20	229050108N • S229050108N
RH229.2020.25.0A.06.IK	25	20	20	113	50	44	34	5	17,4	20	229060108N • S229060108N
RH229.2020.25.0A.08.IK	25	20	20	113	50	44	41	12	16,9	20	229080108N • S229080108N
RH229.2525.25.0A.03.IK	25	25	25	128	50	44	41	7	23,55	25	229030108N • S229030108N
RH229.2525.25.0A.04.IK	25	25	25	128	50	44	41	7	23,15	25	229040108N • S229040108N
RH229.2525.25.0A.05.IK	25	25	25	128	50	44	41	7	22,75	25	229050108N • S229050108N
RH229.2525.25.0A.06.IK	25	25	25	128	50	44	41	7	22,4	25	229060108N • S229060108N
RH229.2525.25.0A.08.IK	25	25	25	128	50	44	41	7	21,9	25	229080108N • S229080108N
LH229.2020.25.0A.03.IK	25	20	20	113	50	44	34	5	18,55	20	229030108N • S229030108N
LH229.2020.25.0A.04.IK	25	20	20	113	50	44	34	5	18,15	20	229040108N • S229040108N
LH229.2020.25.0A.05.IK	25	20	20	113	50	44	34	5	17,75	20	229050108N • S229050108N
LH229.2020.25.0A.06.IK	25	20	20	113	50	44	34	5	17,4	20	229060108N • S229060108N
LH229.2020.25.0A.08.IK	25	20	20	113	50	44	41	12	16,9	20	229080108N • S229080108N
LH229.2525.25.0A.03.IK	25	25	25	128	50	44	41	7	23,55	25	229030108N • S229030108N
LH229.2525.25.0A.04.IK	25	25	25	128	50	44	41	7	23,15	25	229040108N • S229040108N
LH229.2525.25.0A.05.IK	25	25	25	128	50	44	41	7	22,75	25	229050108N • S229050108N
LH229.2525.25.0A.06.IK	25	25	25	128	50	44	41	7	22,4	25	229060108N • S229060108N
LH229.2525.25.0A.08.IK	25	25	25	128	50	44	41	7	21,9	25	229080108N • S229080108N

Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".
Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH229...	004.00.16	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

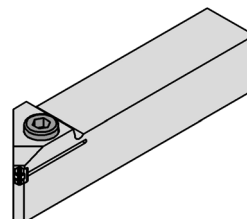
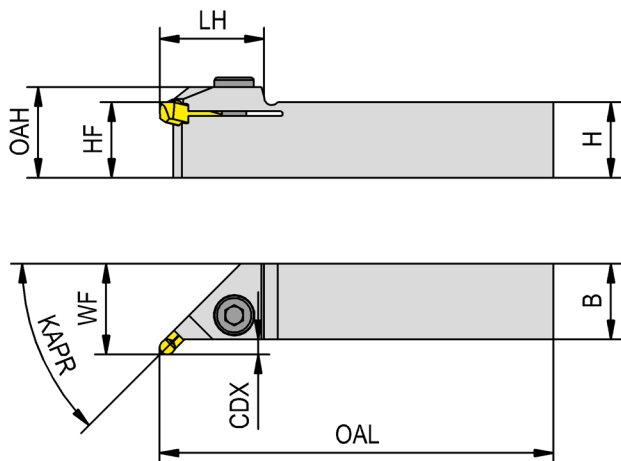
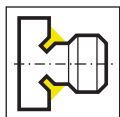
Artikelnummer Partnumber	CDX	H	B	LF	LH	HBL	OAH	HBH	WF	HF	TrennstelleW InterfaceW
R219.2020.03	11	20	20	148,55	20	20	30	5	37	20	229030108N•229040108N•S229030108N•S229040108N
R219.2525.03	11	25	25	148,55	20	-	30	-	37	25	229030108N•229040108N•S229030108N•S229040108N
R219.2020.04	11	20	20	147,7	20	20	30	5	37	20	229040108N•229050108N•S229040108N•S229050108N
R219.2525.04	11	25	25	147,7	20	-	30	-	37	25	229040108N•229050108N•S229040108N•S229050108N
R219.2020.05	15	20	20	147,2	23	23	30	5	45	20	229060108N•S229060108N
R219.2525.05	15	25	25	147,2	23	-	30	-	45	25	229060108N•S229060108N
R219.2525.07	15	25	25	146,2	23	-	30	-	45	25	229070108N•229080108N•S229070108N•S229080108N
L219.2020.03	11	20	20	148,55	20	20	30	5	37	20	229030108N•229040108N•S229030108N•S229040108N
L219.2525.03	11	25	25	148,55	20	-	30	-	37	25	229030108N•229040108N•S229030108N•S229040108N
L219.2020.04	11	20	20	147,7	20	20	30	5	37	20	229040108N•229050108N•S229040108N•S229050108N
L219.2525.04	11	25	25	147,7	20	-	30	-	37	25	229040108N•229050108N•S229040108N•S229050108N
L219.2525.05	15	25	25	147,2	23	-	30	-	45	25	229060108N•S229060108N
L219.2525.07	15	25	25	146,2	23	-	30	-	45	25	229070108N•229080108N•S229070108N•S229080108N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw
R/L219...	218.3



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

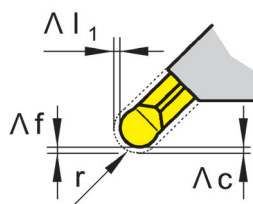
Artikelnummer Partnumber	CDX	H	B	OAL	LH	OAH	WF	HF	KAPR	TrennstelleW InterfaceW
R225.2525.04	4,5	25	25	150	35	30	30	25	45°	229040108N•229050108N•S229040108N•S229050108N
R225.2525.05	4,5	25	25	150	35	30	30,5	25	45°	229060108N•S229060108N
L225.2525.04	4,5	25	25	150	35	30	30	25	45°	229040108N•229050108N•S229040108N•S229050108N
L225.2525.05	4,5	25	25	150	35	30	30,5	25	45°	229060108N•S229060108N

CW siehe Wendeschneidplatten
CW see indexable inserts

Korrektur-Faktor Δl_1 , Δc und Δf im Verhältnis
zum Radius r

Revision factor Δl_1 , Δc and Δf in relation to radius r

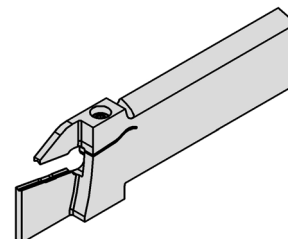
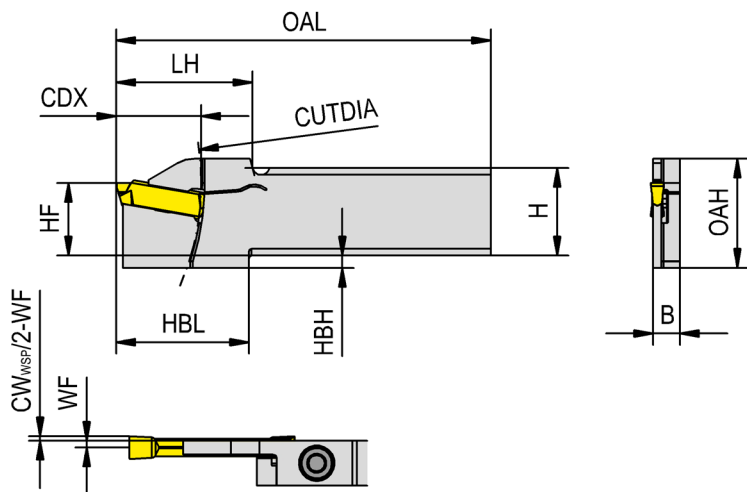
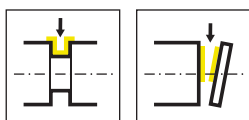
r	Δl_1	Δc	Δf
2,5-3	0	0	0
2	-0,147	-0,147	-0,147
1,5	-0,293	-0,293	-0,293



Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw
R/L225...	218.3



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

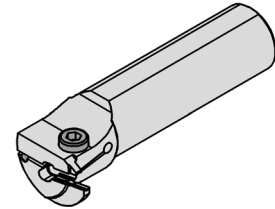
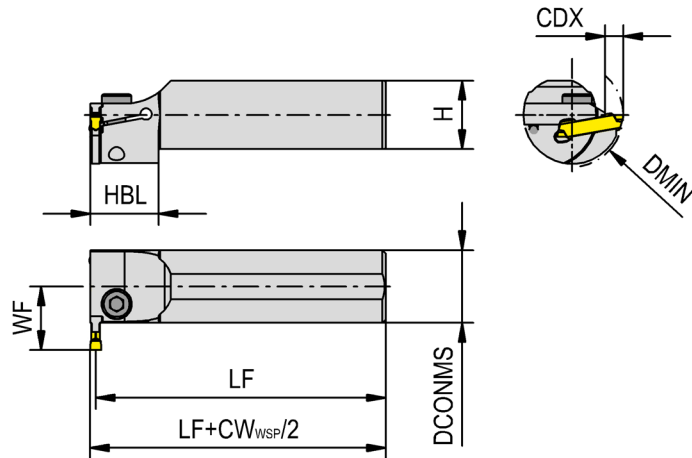
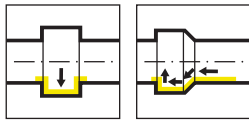
Artikelnummer Partnumber	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	TrennstelleW InterfaceW
R226.2608.03	25	150	26	7,9	110	40	39	32	3,4	1,2	21,4	229030108N•229040108N•S229030108N•S229040108N
R226.3208.03	25	70	32	7,9	110	43	-	32	-	1,25	24,8	229030108N•229040108N•S229030108N•S229040108N
R226.2608.04	25	150	26	7,9	110	40	39	32	3,4	1,7	21,4	229040108N•229050108N•S229040108N•S229050108N
L226.2608.03	25	150	26	7,9	110	40	39	32	3,4	1,2	21,4	229030108N•229040108N•S229030108N•S229040108N
L226.3208.03	25	70	32	7,9	110	43	-	32	-	1,25	24,8	229030108N•229040108N•S229030108N•S229040108N
L226.2608.04	25	150	26	7,9	110	40	39	32	3,4	1,7	21,4	229040108N•229050108N•S229040108N•S229050108N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L226...	4.15T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

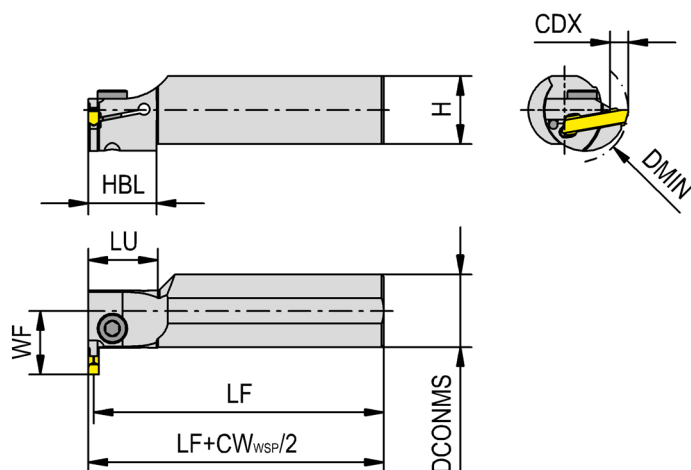
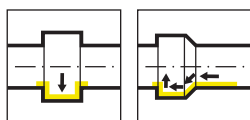
Artikelnummer Part number	CDX	DMIN	DCONMS	H	LF	HBL	WF	Trennstelle W Interface W
R213.0032.0.03	11,5	46	32	30	148,55	30	28	229030108N • 229040108N • S229030108N • S229040108N
R213.0040.0.03	11,5	54	40	38	178,55	30	32	229030108N • 229040108N • S229030108N • S229040108N
R213.0032.0.04	11,5	46	32	30	147,7	30	28	229040108N • 229050108N • S229040108N • S229050108N
R213.0040.0.04	11,5	54	40	38	177,7	30	32	229040108N • 229050108N • S229040108N • S229050108N
R213.0032.0.05	11,5	46	32	30	147,2	30	28	229060108N • S229060108N
R213.0040.0.05	11,5	54	40	38	177,2	30	32	229060108N • S229060108N
L213.0032.0.03	11,5	46	32	30	148,55	30	28	229030108N • 229040108N • S229030108N • S229040108N
L213.0040.0.03	11,5	54	40	38	178,55	30	32	229030108N • 229040108N • S229030108N • S229040108N
L213.0032.0.04	11,5	46	32	30	147,7	30	28	229040108N • 229050108N • S229040108N • S229050108N
L213.0040.0.04	11,5	54	40	38	177,7	30	32	229040108N • 229050108N • S229040108N • S229050108N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw
R/L213...	218.3



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	LF	HBL	WF	Trennstelle W Interface W
R213.0025.03	7,5	-	38	25	23	148,55	30	24,5	229030108N • 229040108N • S229030108N • S229040108N
R213.0032.03	7,5	30	38	32	30	148,55	30	28	229030108N • 229040108N • S229030108N • S229040108N
R213.0040.03	11,5	30	50	40	38	178,55	30	32	229030108N • 229040108N • S229030108N • S229040108N
R213.0050.03	15	30	60	50	47	198,55	30	40,5	229030108N • 229040108N • S229030108N • S229040108N
R213.0025.04	7,5	-	38	25	23	147,7	30	24,5	229040108N • 229050108N • S229040108N • S229050108N
R213.0032.04	7,5	30	38	32	30	147,7	30	28	229040108N • 229050108N • S229040108N • S229050108N
R213.0040.04	11,5	30	50	40	38	177,7	30	32	229040108N • 229050108N • S229040108N • S229050108N
R213.0050.04	15	30	60	50	47	197,7	30	40,5	229040108N • 229050108N • S229040108N • S229050108N
R213.0032.05	11,5	-	46	32	30	147,2	30	28	229060108N • S229060108N
R213.0040.05	11,5	30	50	40	38	177,2	30	32	229060108N • S229060108N
R213.0050.05	15	30	60	50	47	197,2	30	40,5	229060108N • S229060108N
R213.0040.07	11,5	30	50	40	38	176,2	30	32	229070108N • 229080108N • S229070108N • S229080108N
R213.0050.07	15	30	60	50	47	196,2	30	40,5	229070108N • 229080108N • S229070108N • S229080108N
L213.0025.03	7,5	-	38	25	23	148,55	30	24,5	229030108N • 229040108N • S229030108N • S229040108N
L213.0032.03	7,5	30	38	32	30	148,55	30	28	229030108N • 229040108N • S229030108N • S229040108N
L213.0040.03	11,5	30	50	40	38	178,55	30	32	229030108N • 229040108N • S229030108N • S229040108N
L213.0050.03	15	30	60	50	47	198,55	30	40,5	229030108N • 229040108N • S229030108N • S229040108N
L213.0025.04	7,5	-	38	25	23	147,7	30	24,5	229040108N • 229050108N • S229040108N • S229050108N
L213.0032.04	7,5	30	38	32	30	147,7	30	28	229040108N • 229050108N • S229040108N • S229050108N
L213.0040.04	11,5	30	50	40	38	177,7	30	32	229040108N • 229050108N • S229040108N • S229050108N
L213.0050.04	15	30	60	50	47	197,7	30	40,5	229040108N • 229050108N • S229040108N • S229050108N
L213.0032.05	11,5	-	46	32	30	147,2	30	28	229060108N • S229060108N
L213.0040.05	11,5	30	50	40	38	177,2	30	32	229060108N • S229060108N
L213.0050.05	15	30	60	50	47	197,2	30	40,5	229060108N • S229060108N
L213.0040.07	11,5	30	50	40	38	176,2	30	32	229070108N • 229080108N • S229070108N • S229080108N
L213.0050.07	15	30	60	50	47	196,2	30	40,5	229070108N • 229080108N • S229070108N • S229080108N

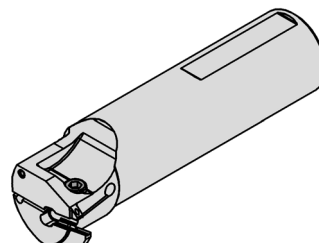
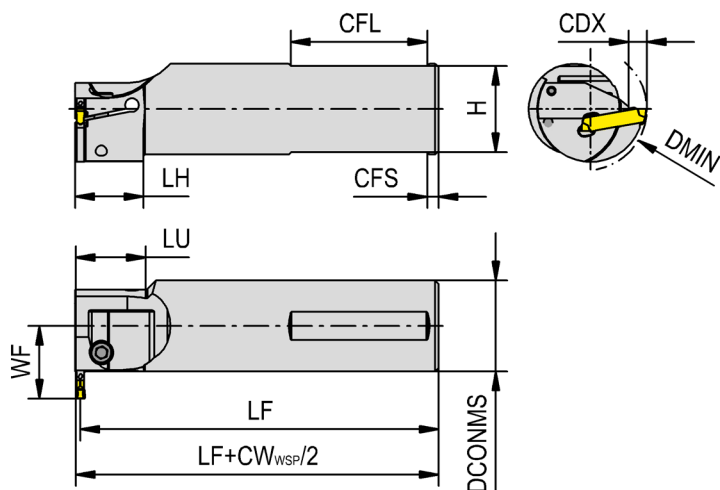
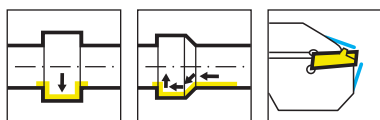
CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw
R/L213...	218.3

Die volle Stechtiefe CDX= 11,5 mm wird ab DMIN 46 mm erreicht
The full depth of cut CDX = 11,5 mm will be reached from DMIN 46 mm



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	LF	HBL	CFL	CFS	WF	Trennstelle W Interface W
R213.0025.03IK	7,5	-	38	25	23	148,55	30	55	5	24,5	229030108N • 229040108N • S229030108N • S229040108N
R213.0032.03IK	7,5	30	38	32	30	148,55	30	55	5	28	229030108N • 229040108N • S229030108N • S229040108N
R213.0040.03IK	11,5	30	50	40	38	178,55	30	60	5	32	229030108N • 229040108N • S229030108N • S229040108N
R213.0040.04IK	11,5	30	50	40	38	177,7	30	60	5	32	229040108N • 229050108N • S229040108N • S229050108N
L213.0025.03IK	7,5	-	38	25	23	148,55	30	55	5	24,5	229030108N • 229040108N • S229030108N • S229040108N
L213.0032.03IK	7,5	30	38	32	30	148,55	30	55	5	28	229030108N • 229040108N • S229030108N • S229040108N
L213.0040.03IK	11,5	30	50	40	38	178,55	30	60	5	32	229030108N • 229040108N • S229030108N • S229040108N
L213.0040.04IK	11,5	30	50	40	38	177,7	30	60	5	32	229040108N • 229050108N • S229040108N • S229050108N

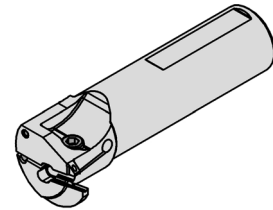
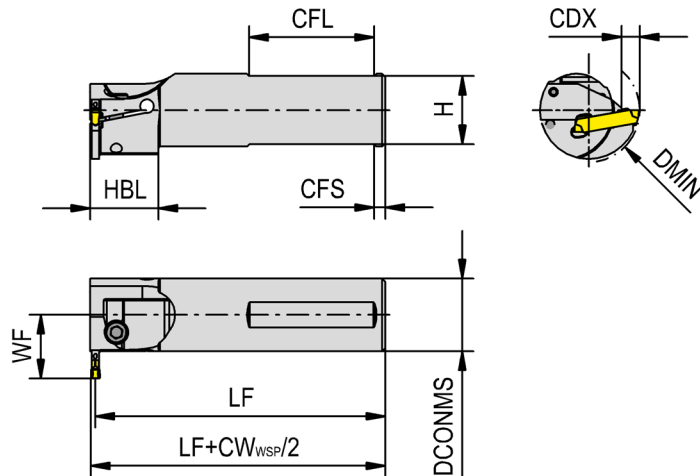
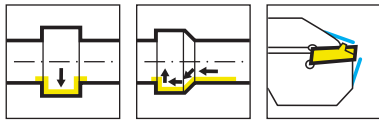
CW siehe Wendeschneidplatten
CW see indexable inserts

Betrifft Halter mit Schaft-Ø 25 oder 32 mm:

Die volle Stechtiefe t_{max} = 11,5 mm wird ab D_{min} 46 mm erreicht

Note toolholder with shank-Ø 25 or 32 mm

The full depth of cut t_{max} = 11,5 mm will be reached from D_{min} 46 mm

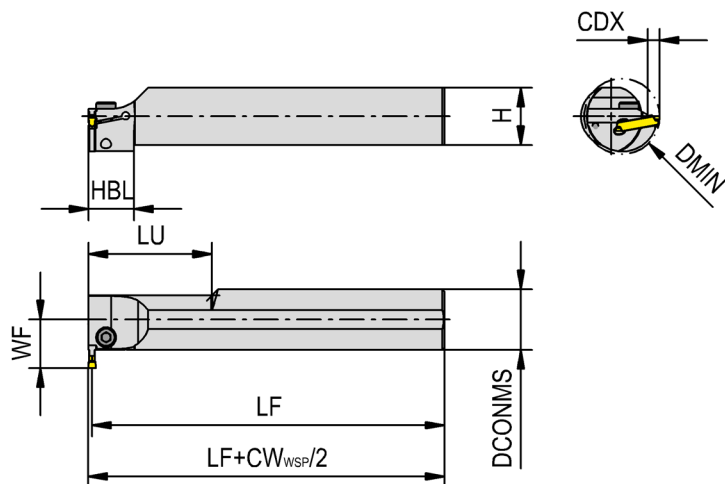
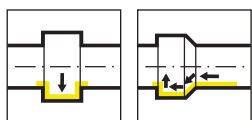


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	DMIN	DCONMS	H	LF	HBL	CFL	CFS	WF	Trennstelle W Interface W
R213.0032.0.03IK	11,5	46	32	30	148,55	30	55	5	28	229030108N • 229040108N • S229030108N • S229040108N
R213.0032.0.04IK	11,5	46	32	30	147,7	30	55	5	28	229040108N • 229050108N • S229040108N • S229050108N
R213.0040.0.04IK	11,5	54	40	38	177,7	30	60	5	32	229040108N • 229050108N • S229040108N • S229050108N
R213.0040.0.05IK	11,5	54	40	38	177,2	30	60	5	32	229060108N • S229060108N
L213.0032.0.03IK	11,5	46	32	30	148,55	30	55	5	28	229030108N • 229040108N • S229030108N • S229040108N
L213.0032.0.04IK	11,5	46	32	30	147,7	30	55	5	28	229040108N • 229050108N • S229040108N • S229050108N
L213.0040.0.04IK	11,5	54	40	38	177,7	30	60	5	32	229040108N • 229050108N • S229040108N • S229050108N
L213.0040.0.05IK	11,5	54	40	38	177,2	30	60	5	32	229060108N • S229060108N

CW siehe Wendeschneidplatten
CW see indexable inserts



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	LF	HBL	WF	Trennstelle W Interface W
R214.0032.03	7,5	70	38	32	30	198,55	30	28	229030108N • 229040108N • S229030108N • S229040108N
R214.0040.03	11,5	80	50	40	38	248,55	30	32	229030108N • 229040108N • S229030108N • S229040108N
R214.0050.03	15	100	60	50	47	248,55	30	40,5	229030108N • 229040108N • S229030108N • S229040108N
R214.0032.04	7,5	70	38	32	30	197,7	30	28	229040108N • 229050108N • S229040108N • S229050108N
R214.0040.04	11,5	80	50	40	38	247,7	30	32	229040108N • 229050108N • S229040108N • S229050108N
R214.0050.04	15	100	60	50	47	247,7	30	40,5	229040108N • 229050108N • S229040108N • S229050108N
R214.0032.05	11,5	-	46	32	30	197,2	30	28	229060108N • S229060108N
R214.0040.05	11,5	80	50	40	38	247,2	30	32	229060108N • S229060108N
R214.0050.05	15	100	60	50	47	247,2	30	40,5	229060108N • S229060108N
R214.0040.07	11,5	80	50	40	38	246,2	30	32	229070108N • 229080108N • S229070108N • S229080108N
L214.0032.03	7,5	70	38	32	30	198,55	30	28	229030108N • 229040108N • S229030108N • S229040108N
L214.0040.03	11,5	80	50	40	38	248,55	30	32	229030108N • 229040108N • S229030108N • S229040108N
L214.0050.03	15	100	60	50	47	248,55	30	40,5	229030108N • 229040108N • S229030108N • S229040108N
L214.0032.04	7,5	70	38	32	30	197,7	30	28	229040108N • 229050108N • S229040108N • S229050108N
L214.0040.04	11,5	80	50	40	38	247,7	30	32	229040108N • 229050108N • S229040108N • S229050108N
L214.0050.04	15	100	60	50	47	247,7	30	40,5	229040108N • 229050108N • S229040108N • S229050108N
L214.0032.05	11,5	-	46	32	30	197,2	30	28	229060108N • S229060108N
L214.0050.05	15	100	60	50	47	247,2	30	40,5	229060108N • S229060108N
L214.0050.07	15	100	60	50	47	246,2	30	40,5	229070108N • 229080108N • S229070108N • S229080108N

CW siehe Wendeschneidplatten
CW see indexable inserts

Betrifft Halter mit Schaft-Ø 25 oder 32 mm:

Die volle Stechtiefe t_{max} = 11,5 mm wird ab D_{min} 46 mm erreicht

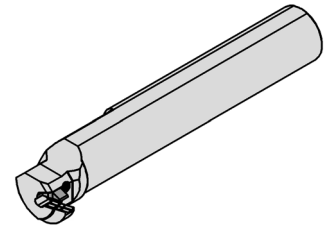
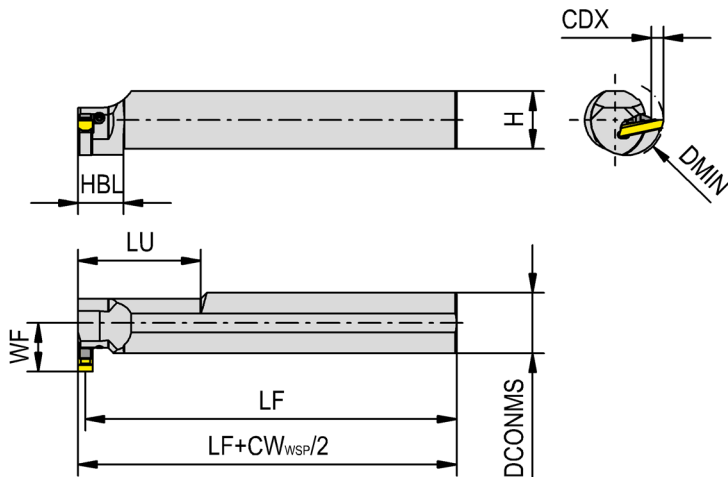
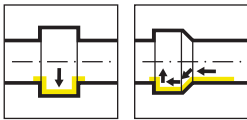
Note toolholder with shank-Ø 25 or 32 mm

The full depth of cut t_{max} = 11,5 mm will be reached from D_{min} 46 mm

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw
R/L214...	218.3



R = rechts wie gezeichnet
R = right hand version shown

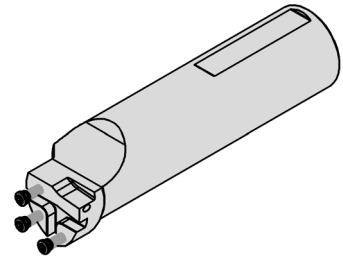
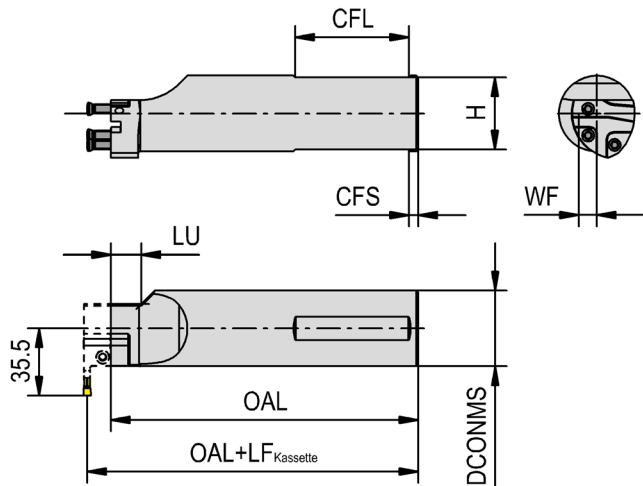
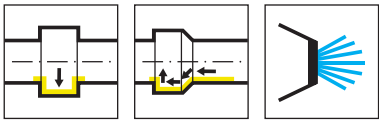
Artikelnummer Part number	CDX	LU	DMIN	DCONMS	H	LF	HBL	WF	Trennstelle W Interface W
R214.0050.09	15	100	60	50	47	245,2	30	40,5	229090108N • 229100108N • S229090108N • S229100108N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R214.0050.09	L218.9	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

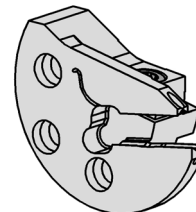
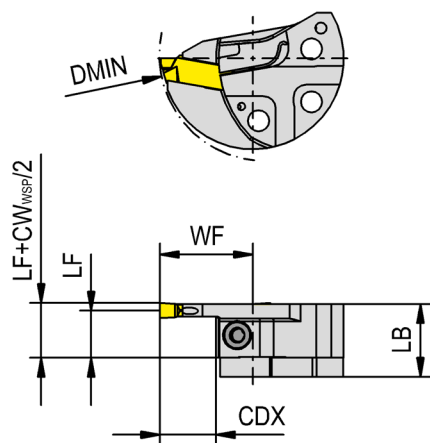
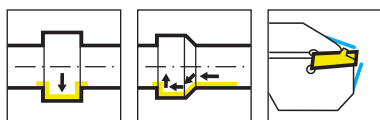
Artikelnummer Part number	DCONMS	H	LU	OAL	CFL	CFS	WF	Trennstelle W Interface W
RB229.0040.1.K2.IK	40	38	15,7	172,5	60	5	11	BK003193
RB229.0040.2.K2.IK	40	38	45,7	185,5	60	5	11	BK003193
RB229.0040.3.K2.IK	40	38	75,7	215,5	60	5	11	BK003193
LB229.0040.1.K2.IK	40	38	15,7	172,5	60	5	11	BK003293
LB229.0040.2.K2.IK	40	38	45,7	185,5	60	5	11	BK003293
LB229.0040.3.K2.IK	40	38	75,7	215,5	60	5	11	BK003293

CW siehe Wendeschneidplatten
CW see indexable inserts

Hinweis:
Für Kassetten BK229 mit Kühlmittelzufuhr
Note:
For cassettes BK229 with coolant supply

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB229...	030.0518.T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Partnumber	CDX	DMIN	WF	LF	LB	TrennstelleW InterfaceW	TrennstelleM InterfaceM
RBK229.0050.03.IK	12	50	24,5	13	19,2	229030108N•229040108N•S229030108N•S229040108N	BK003193
RBK229.0050.04.IK	12	50	24,5	12,5	19,15	229040108N•229050108N•S229040108N•S229050108N	BK003193
RBK229.0050.05.IK	12	50	35,5	11,5	18,8	229060108N•S229060108N	BK003193
LBK229.0050.03.IK	12	50	24,5	13	19,2	229030108N•229040108N•S229030108N•S229040108N	BK003293
LBK229.0050.04.IK	12	50	24,5	12,5	19,15	229040108N•229050108N•S229040108N•S229050108N	BK003293
LBK229.0050.05.IK	12	50	24,5	11,5	18,8	229060108N•S229060108N	BK003293

CW siehe Wendeschneidplatten
CW see indexable inserts

Hinweis:

Für Grundhalter B229 mit Kühlmittelzufuhr

Note:

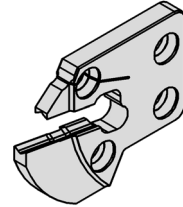
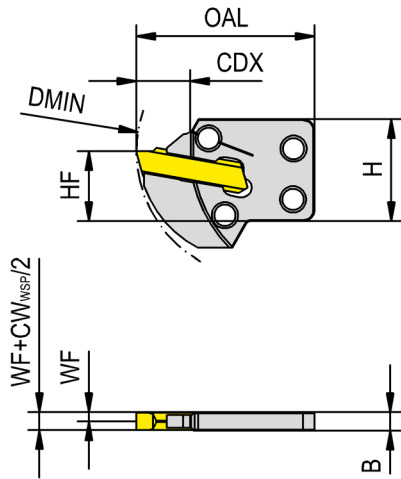
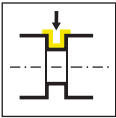
For basic toolholder B229 with coolant supply

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

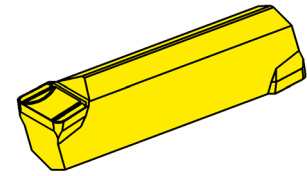
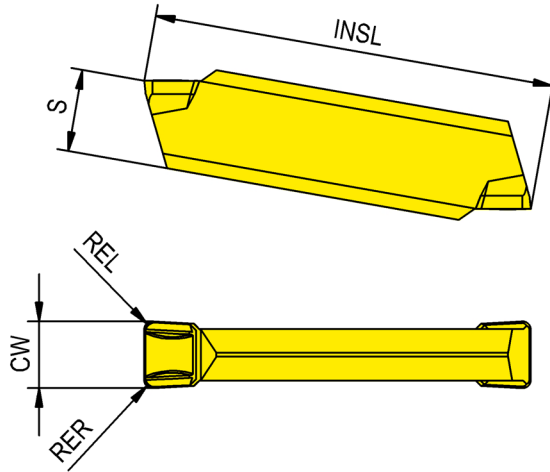
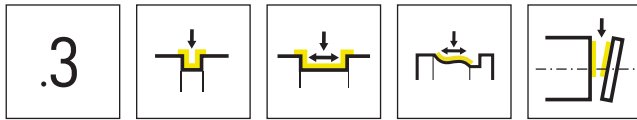
Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LBK229...	5.13T20EP	T20PQ



Artikelnummer Part number	CDX	DMIN	WF	OAL	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
050.1827.0009	10	62	2,45	47	18,5	34	4,9	229040108N	05000087
050.1827.0071	10	62	2,45	47	18,5	34	4,9	229030108N	05000087

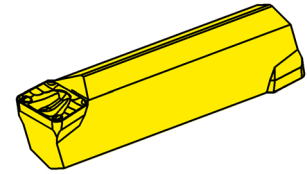
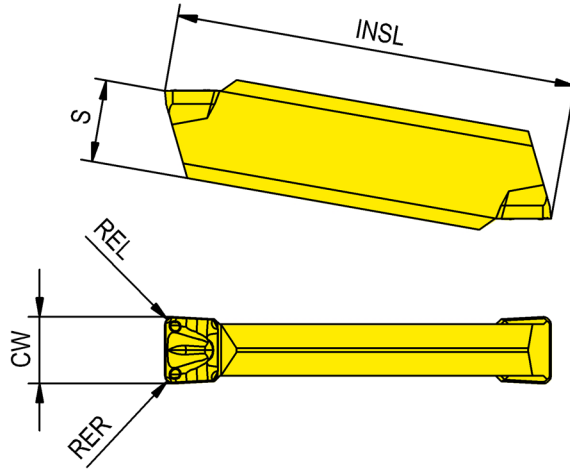
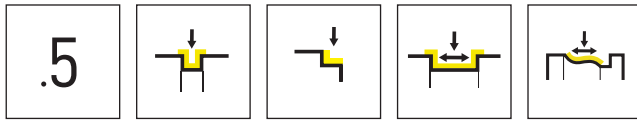
CW siehe Wendeschneidplatten
CW see indexable inserts



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

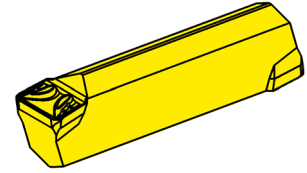
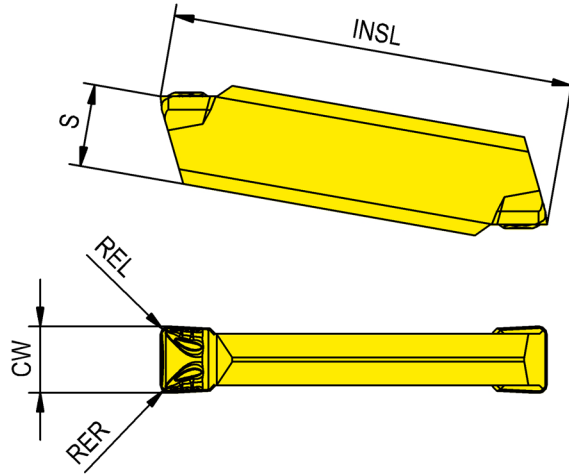
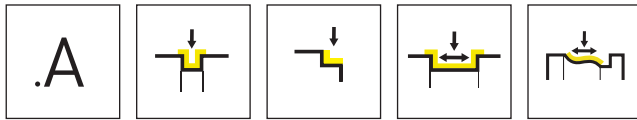
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S229.0300.32	3	0,2	0,2	30,4	6,2	S229030108N		▲	▲	▲	▲	▲		▲	▲	▲
S229.0300.34	3	0,4	0,4	30,4	6,2	S229030108N	▲	▲	▲	▲	▲	▲	Δ	▲	▲	▲
S229.0400.32	4	0,2	0,2	30,4	6,2	S229040108N		▲	▲	▲	▲	▲		▲	▲	▲
S229.0400.34	4	0,4	0,4	30,4	6,2	S229040108N		▲	▲	▲	▲	▲		▲	▲	▲
S229.0500.34	5	0,4	0,4	30,4	6,2	S229050108N		▲	▲		▲	▲	▲	▲	▲	▲
S229.0500.36	5	0,6	0,6	30,4	6,2	S229050108N					▲	▲		▲	▲	▲
S229.0600.34	6	0,4	0,4	30,6	6,5	S229060108N	▲	▲	▲		▲	▲		▲	▲	▲
S229.0600.38	6	0,8	0,8	30,6	6,5	S229060108N	▲	▲	▲		▲					
S229.0700.36	7	0,6	0,6	30,6	6,5	S229070108N		▲			▲			▲		▲
S229.0800.36	8	0,6	0,6	30,6	6,5	S229080108N		▲			▲		▲	▲	▲	▲
S229.0800.38	8	0,8	0,8	30,6	6,5	S229080108N					▲					
S229.0800.3K	8	1,2	1,2	30,6	6,5	S229080108N					▲					
S229.1000.36	10	0,6	0,6	30,6	6,5	S229100108N		▲			▲			▲	▲	▲
P	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	-	●	●	-	●	●	●	●	●	●	●	●	●	●	-	-
K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

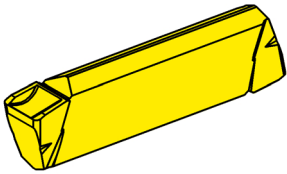
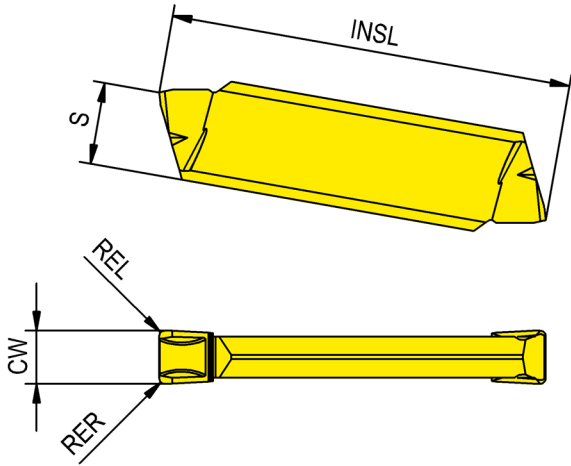
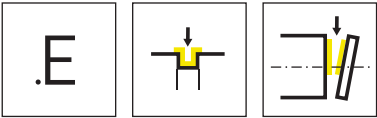
Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	AS62	IG66	TF45	T122	T125	TN32	TN35
S229.0300.52	3	0,2	0,2	30,4	6,2	S229030108N	▲	▲	▲	▲	▲	▲	▲
S229.0300.54	3	0,4	0,4	30,4	6,2	S229030108N	▲	▲	▲	▲	▲	▲	▲
S229.0400.52	4	0,2	0,2	30,4	6,2	S229040108N	▲	▲	▲	▲	▲	▲	▲
S229.0400.54	4	0,4	0,4	30,4	6,2	S229040108N	▲	▲	▲	▲	▲	▲	▲
S229.0500.54	5	0,4	0,4	30,4	6,2	S229050108N	▲	▲	▲	▲	▲	▲	▲
S229.0500.56	5	0,6	0,6	30,4	6,2	S229050108N	▲	▲	▲	▲	▲	▲	▲
S229.0600.54	6	0,4	0,4	30,6	6,5	S229060108N	▲	▲	▲	▲	▲	▲	▲
S229.0600.56	6	0,6	0,6	30,6	6,5	S229060108N	▲	▲	▲	▲	▲	▲	▲
S229.0600.58	6	0,8	0,8	30,6	6,5	S229060108N	▲	▲	▲	▲	▲	▲	▲
S229.0700.56	7	0,6	0,6	30,6	6,5	S229070108N	▲	▲	▲	▲	▲	▲	▲
S229.0800.56	8	0,6	0,6	30,6	6,5	S229080108N	▲	▲	▲	▲	▲	▲	▲
S229.0800.5K	8	1,2	1,2	30,6	6,5	S229080108N	▲	▲	▲	▲	▲	▲	▲
S229.1000.56	10	0,6	0,6	30,6	6,5	S229100108N	▲	▲	▲	▲	▲	▲	▲
P	●	●	●	●	●	●	●	●	●	●	●	●	●
M	-	-	-	-	-	-	-	-	-	-	-	-	-
K	-	-	-	-	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-



Sorten
Grades

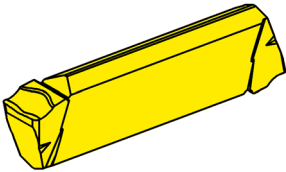
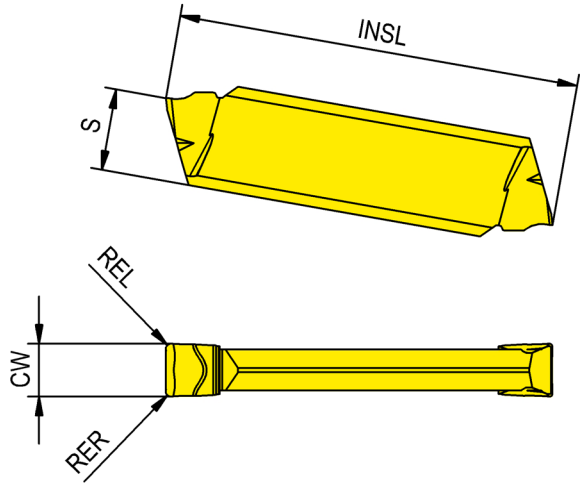
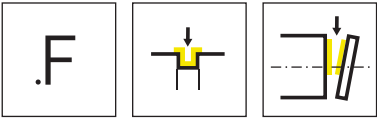
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS L	S	Trennstelle M Interface M	AS62	IG66	TF42	TF45	TI22	TI25	TN32	TN35
S229.0300.A2	3	0,2	0,2	30,4	6,2	S229030108N	▲			▲	▲	▲	▲	▲
S229.0300.A4	3	0,4	0,4	30,4	6,2	S229030108N	▲			▲	▲	▲	▲	▲
S229.0400.A2	4	0,4	0,4	30,4	6,2	S229040108N	▲			▲	Δ	▲	▲	▲
S229.0400.A4	4	0,4	0,4	30,4	6,2	S229040108N	▲		▲		▲	▲	▲	▲
S229.0500.A4	5	0,4	0,4	30,4	6,2	S229050108N	▲	▲		Δ	▲		▲	▲
S229.0500.A6	5	0,6	0,6	30,4	6,2	S229050108N	▲	▲				▲		
S229.0600.A4	6	0,4	0,4	30,6	6,5	S229060108N	▲		Δ	▲	▲	Δ	▲	▲
S229.0600.A8	6	0,8	0,8	30,6	6,5	S229060108N	▲							
S229.0700.A6	7	0,6	0,6	30,6	6,5	S229070108N			▲				Δ	
P	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
K	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-



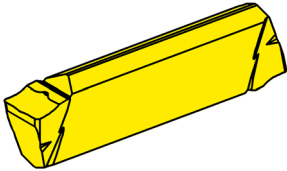
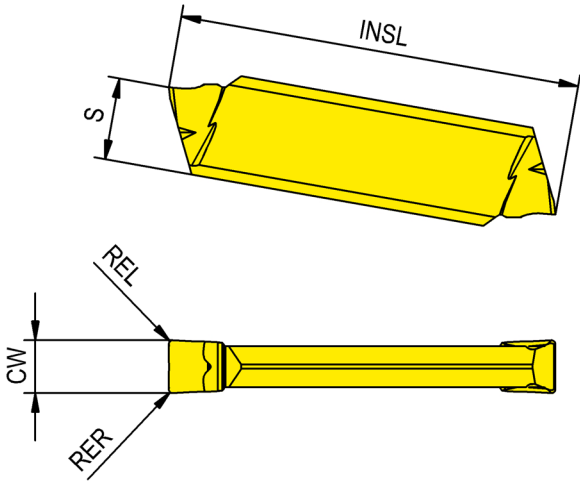
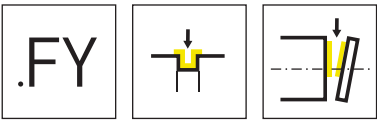
Sorten	
Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M		AS62	TF45	TF46	TI25
S229.0300.E2	3	0,2	0,2	30,4	6,2	S229030108N		▲	▲	▲	▲
S229.0300.E4	3	0,4	0,4	30,4	6,2	S229030108N		▲	▲		
S229.0400.E2	4	0,2	0,2	30,4	6,2	S229040108N		▲	▲		▲
S229.0400.E4	4	0,4	0,4	30,4	6,2	S229040108N		▲	▲		
							P	●	●	●	●
							M	○	○	○	○
							K	-	-	-	-
							N	-	-	-	-
							S	-	-	-	-
							H	-	-	-	-



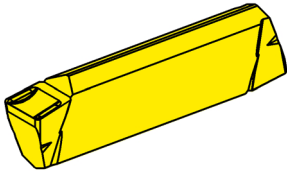
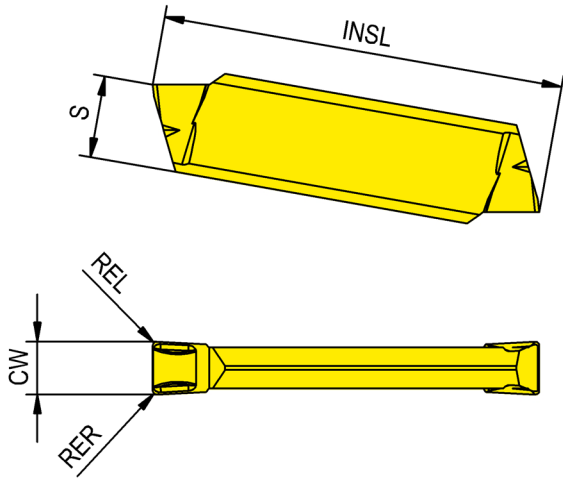
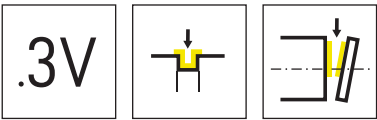
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M		TF43	TF45	TF46	TI22
S229.0300.F2	3	0,2	0,2	30,4	6,2	S229030108N		▲	▲	▲	▲
S229.0300.F4	3	0,4	0,4	30,4	6,2	S229030108N			▲		
S229.0400.F2	4	0,2	0,2	30,4	6,2	S229040108N			▲	Δ	
S229.0400.F4	4	0,4	0,4	30,4	6,2	S229040108N			▲		
							P	o	o	o	o
							M	•	•	•	•
							K	-	-	-	-
							N	-	-	-	-
							S	-	-	-	-
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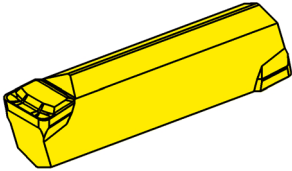
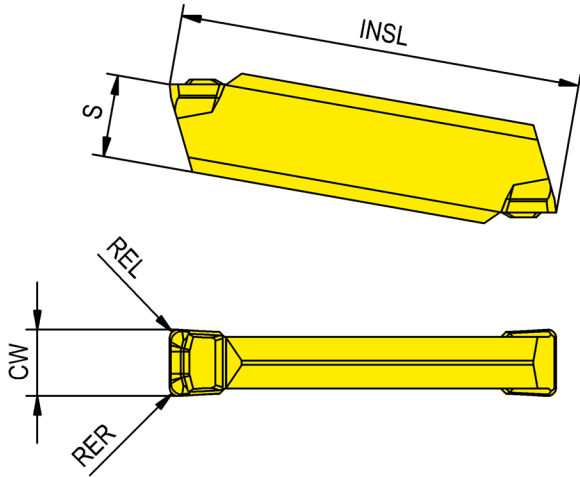
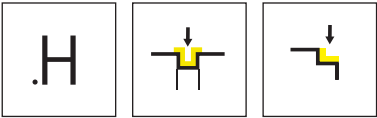
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M		HP65	IG35	TI25
S229.0300.FY2	3	0,2	0,2	30,4	6,2	S229030108N		▲	▲	▲
S229.0400.FY3	4	0,3	0,3	30,4	6,2	S229040108N		▲	▲	▲
							P	o	o	o
							M	•	•	•
							K	-	-	-
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							S	o	o	-
							H	-	-	-



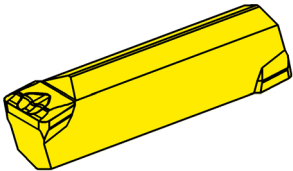
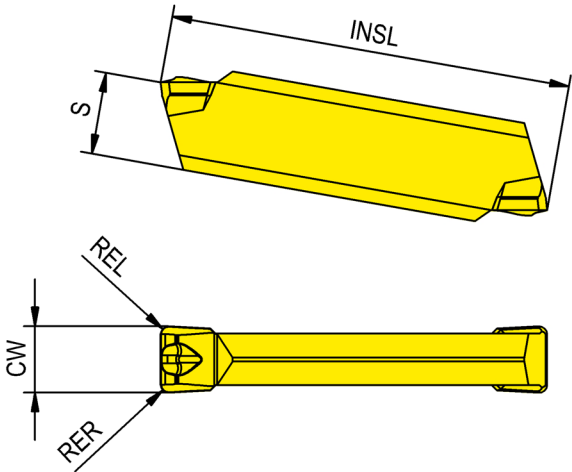
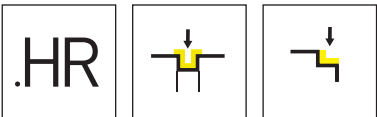
Sorten
Grades
▲ ab Lager
▲ on stock
Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	AS45	HP65	IG35
S229.0300.3V2	3	0,2	0,2	30,4	6,2	S229030108N	▲	▲	▲
S229.0400.3V3	4	0,4	0,4	30,4	6,2	S229040108N	▲	▲	▲
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							M	●	●
							K	-	-
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							S	-	-
							H	-	-



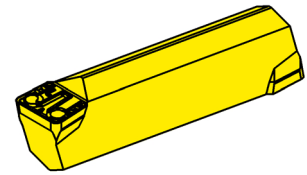
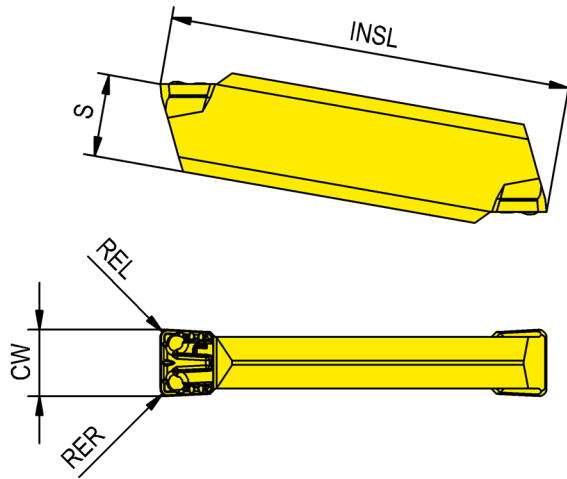
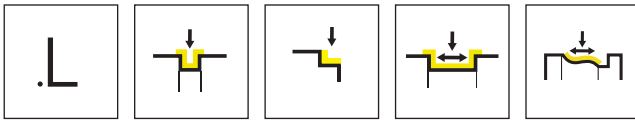
Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	TF42
S229.0300.H4	3	0,4	0,4	30,4	6,2	S229030108N	Δ
S229.0300.H6	3	0,6	0,6	30,4	6,2	S229030108N	▲
S229.0400.H4	4	0,4	0,4	30,4	6,2	S229040108N	▲
S229.0400.H6	4	0,6	0,6	30,4	6,2	S229040108N	Δ
S229.0500.H4	5	0,4	0,4	30,4	6,2	S229050108N	Δ
S229.0500.H6	5	0,6	0,6	30,4	6,2	S229050108N	Δ
S229.0500.H8	5	0,8	0,8	30,4	6,2	S229050108N	Δ
S229.0600.H4	6	0,4	0,4	30,6	6,5	S229060108N	▲
S229.0600.H6	6	0,6	0,6	30,6	6,5	S229060108N	Δ
S229.0600.H8	6	0,8	0,8	30,6	6,5	S229060108N	Δ
S229.0600.HK	6	1,2	1,2	30,6	6,5	S229060108N	Δ
						P	●
						M	-
						K	-
						N	-
						S	-
						H	-



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

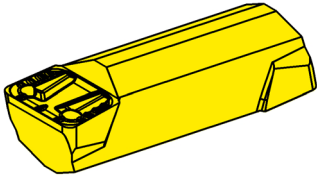
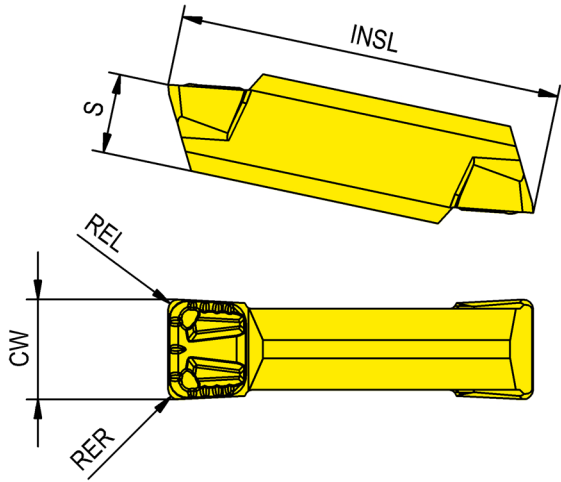
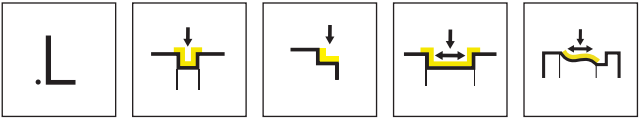
Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M		AS62	AS66	IG66	IG96
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S229.0400.HR4	4	0,4	0,4	30,4	6,2	S229040108N		▲	▲	▲	▲
S229.0500.HR4	5	0,4	0,4	30,4	6,2	S229050108N		▲	▲	▲	▲
S229.0500.HR6	5	0,6	0,6	30,4	6,2	S229050108N		▲	▲	▲	▲
S229.0500.HR8	5	0,8	0,8	30,4	6,2	S229050108N		▲		▲	▲
S229.0600.HR4	6	0,4	0,4	30,8	6,4	S229060108N		▲	▲	▲	▲
S229.0600.HR6	6	0,6	0,6	30,8	6,4	S229060108N		▲	▲	▲	▲
S229.0600.HR8	6	0,8	0,8	30,8	6,4	S229060108N		▲		▲	▲
S229.0800.HR8.PG	8	0,8	0,8	30,75	6,35	S229080108N		▲		▲	▲
								P	●	●	●
								M	-	-	-
								K	o	o	-
								N	-	-	-
								S	-	-	-
								H	-	-	-



Sorten
Grades

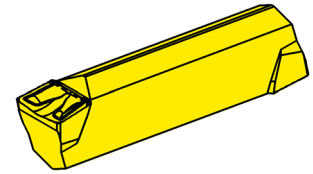
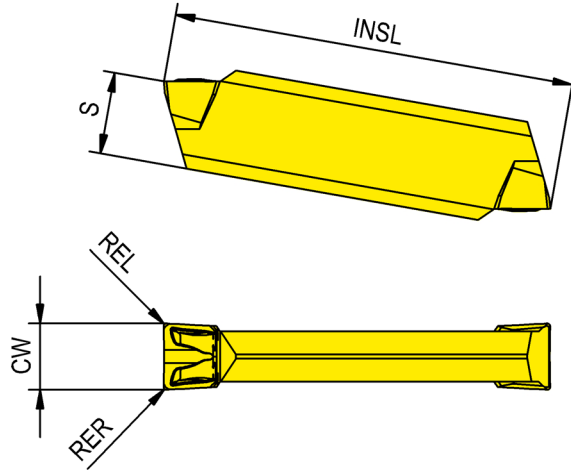
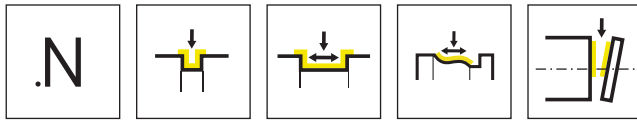
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS L	S	Trennstelle M Interface M	AS62	AS65	AS66	IG65	IG66	IG95	IG96	TF42	TI22
S229.0300.L2	3	0,2	0,2	30,4	6,2	S229030108N		▲		▲					
S229.0300.L4	3	0,4	0,4	30,4	6,2	S229030108N		▲		▲		▲			
S229.0300.L6	3	0,6	0,6	30,4	6,2	S229030108N		▲		▲		▲			
S229.0300.L8	3	0,8	0,8	30,4	6,2	S229030108N		▲		▲		▲			
S229.0400.L4	4	0,4	0,4	30,4	6,2	S229040108N	▲		▲		▲		▲	▲	▲
S229.0400.L6	4	0,6	0,6	30,4	6,2	S229040108N			▲		▲		▲	▲	
S229.0500.L4	5	0,4	0,4	30,4	6,2	S229050108N	▲		▲		▲		▲	▲	▲
S229.0500.L6	5	0,6	0,6	30,4	6,2	S229050108N	▲		▲		▲		▲	▲	
S229.0500.L8	5	0,8	0,8	30,4	6,2	S229050108N	▲		▲		▲		▲	▲	
S229.0600.L4	6	0,4	0,4	30,8	6,4	S229060108N	▲		▲		▲		▲	▲	▲
S229.0600.L6	6	0,6	0,6	30,8	6,4	S229060108N	▲		▲		▲		▲	▲	▲
S229.0800.L6	8	0,6	0,6	30,6	6,5	S229080108N	▲		▲		▲		▲	▲	▲
P	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
K	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M		AS62	IG66
S229.0600.L4.PG	6	0,4	0,4	30,7	6,4	S229060108N		▲	▲
S229.0800.L8.PG	8	0,8	0,8	30,7	6,4	S229080108N		▲	▲
							P	●	●
							M	o	o
							K	o	o
							N	-	-
							S	-	-
							H	-	-

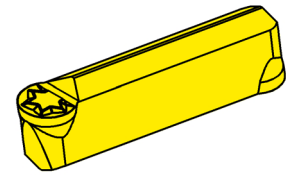
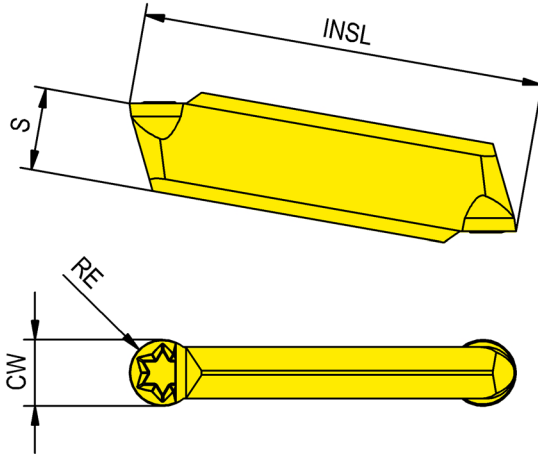
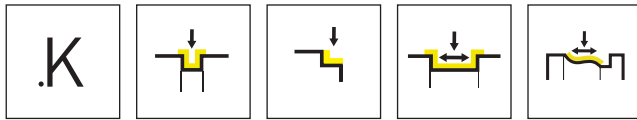


Sorten
Grades

▲ ab Lager
▲ on stock

Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS L	S	Trennstelle M Interface M	AS45	AS62	IG66	TI25
S229.0300.N2.G	3	0,2	0,2	30,4	6,2	S229030108N	▲		▲	
S229.0300.N4.G	3	0,4	0,4	30,4	6,2	S229030108N	▲		▲	
S229.0400.N2.G	4	0,2	0,2	30,4	6,2	S229040108N	▲		▲	
S229.0400.N4.G	4	0,4	0,4	30,4	6,2	S229040108N	▲		▲	
S229.0500.N2.G	5	0,2	0,2	30,4	6,2	S229050108N			▲	▲
S229.0500.N4.G	5	0,4	0,4	30,4	6,2	S229050108N	▲	▲	▲	Δ
S229.0500.N6.G	5	0,6	0,6	30,4	6,2	S229050108N	Δ	▲	▲	Δ
S229.0500.N8.G	5	0,8	0,8	30,4	6,2	S229050108N		▲	▲	
S229.0600.N4.G	6	0,4	0,4	30,7	6,3	S229060108N	▲		▲	
S229.0600.N6.G	6	0,6	0,6	30,7	6,3	S229060108N	▲		▲	
P							●	●	●	●
M							●	●	●	●
K							-	-	-	-
N							-	-	-	-
S							-	-	o	-
H							-	-	-	-



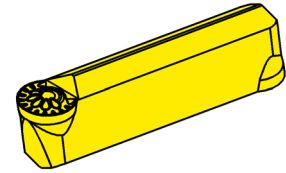
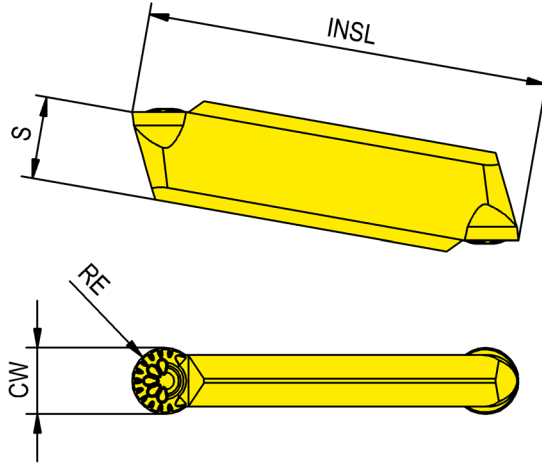
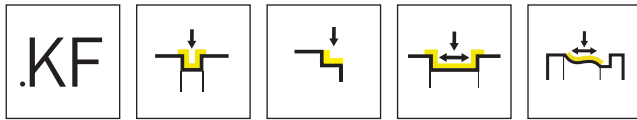
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	RE	INS	S	Trennstelle M Interface M		AS62	AS66	IG66	IG96
S229.0015.K3	3	1,5	30,4	6,2	S229030108N		▲	▲	▲	▲
S229.0020.K4	4	2	30,4	6,2	S229040108N		▲	▲	▲	▲
S229.0025.K5	5	2,5	30,4	6,2	S229050108N		▲	▲	▲	▲
S229.0030.K6	6	3	30,75	6,4	S229060108N		▲	▲	▲	▲
S229.0040.K8	8	4	30,75	6,4	S229080108N		▲	▲	▲	▲
						P	●	●	●	-
						M	o	o	o	-
						K	o	o	o	-
						N	-	-	-	-
						S	-	-	o	-
						H	-	-	-	-

DMIN für Eckenfreistriche in Verbindung mit Klemmhalter unter 45°

DMIN for corner reliefs with toolholder 45°

CDX	S229.0015.K3	S229.0020.K4	S229.0025.K5	S229.0030.K6
0,5	Ø 26	Ø 26	Ø 32	Ø 32
1,0	Ø 76	Ø 55	Ø 42	Ø 37
1,5	Ø 78	Ø 58	Ø 45	Ø 41
2,0	Ø 80	Ø 59	Ø 46	Ø 42
2,5	Ø 82	Ø 60	Ø 47	Ø 43
3,0	Ø 84	Ø 62	Ø 48	Ø 44
3,5	Ø 87	Ø 63	Ø 49	Ø 46
4,0	Ø 89	Ø 65	Ø 50	Ø 47



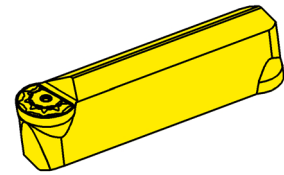
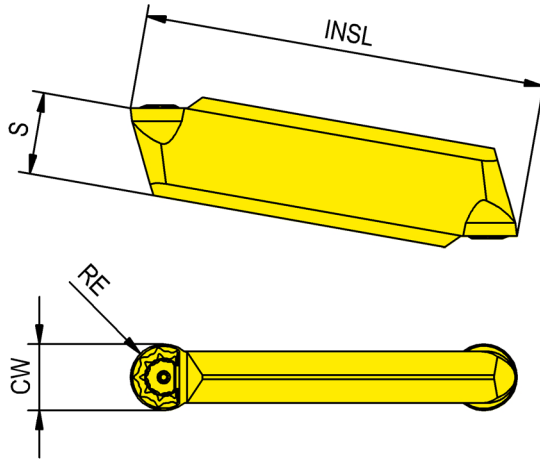
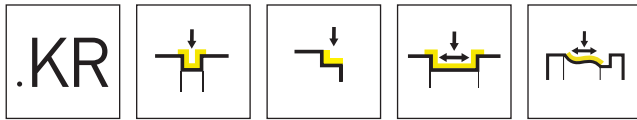
Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	RE	INS	S	Trennstelle M Interface M	AS66	IG66	IG96
S229.0015.KF3	3	1,5	30,4	6,2	S229030108N	▲	▲	▲
S229.0020.KF4	4	2	30,4	6,2	S229040108N	▲	▲	▲
S229.0025.KF5	5	2,5	30,4	6,2	S229050108N	▲	▲	▲
S229.0030.KF6	6	3	30,75	6,4	S229060108N	▲	▲	▲
S229.0040.KF8	8	4	31,2	6,4	S229080108N	▲	▲	▲
						P	●	●
						M	o	o
						K	o	-
						N	-	-
						S	-	-
						H	-	-

DMIN für Eckenfreistriche in Verbindung mit Klemmhalter unter 45°

DMIN for corner reliefs with toolholder 45°

CDX	S229.0015.KF3	S229.0020.KF4	S229.0025.KF5	S229.0030.KF6
0,5	Ø 26	Ø 26	Ø 32	Ø 32
1,0	Ø 76	Ø 55	Ø 42	Ø 37
1,5	Ø 78	Ø 58	Ø 45	Ø 41
2,0	Ø 80	Ø 59	Ø 46	Ø 42
2,5	Ø 82	Ø 60	Ø 47	Ø 43
3,0	Ø 84	Ø 62	Ø 48	Ø 44
3,5	Ø 87	Ø 63	Ø 49	Ø 46
4,0	Ø 89	Ø 65	Ø 50	Ø 47

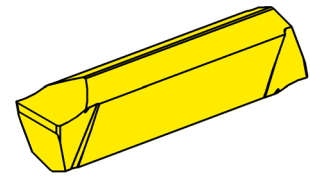
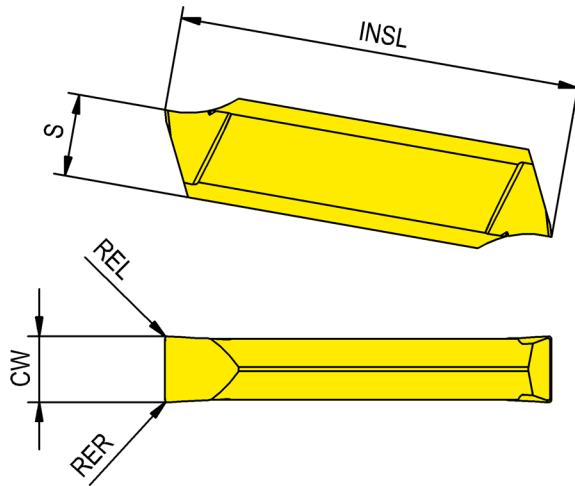
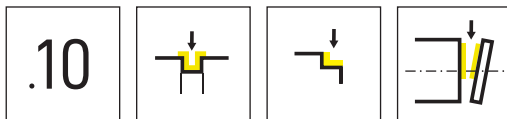


Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	RE	INSL	S	Trennstelle M Interface M		IG66	IG96
S229.0020.KR4	4	2	30,4	6,2	S229040108N		▲	▲
S229.0025.KR5	5	2,5	30,4	6,2	S229050108N		▲	▲
S229.0030.KR6	6	3	30,75	6,4	S229060108N		▲	▲
						P	●	●
						M	-	-
						K	o	-
						N	-	-
						S	-	-
						H	-	-

DMIN für Eckenfreistriche in Verbindung mit Klemmhalter unter 45°
DMIN for corner reliefs with toolholder 45°

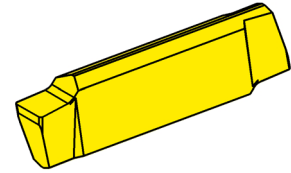
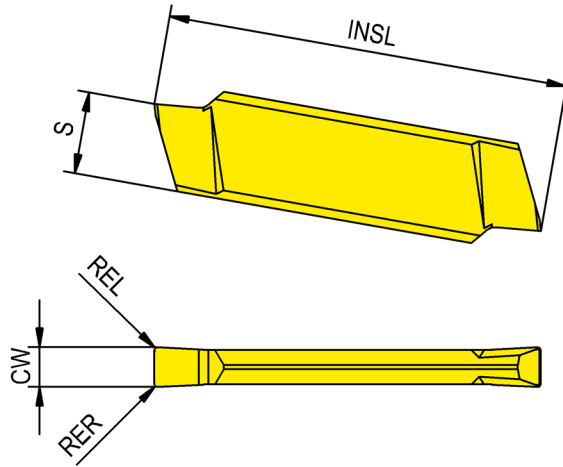
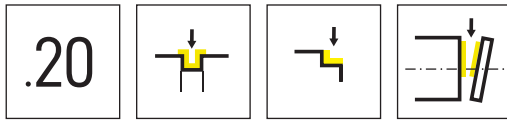
CDX	S229.0020.KR4	S229.0025.KR5	S229.0030.KR6
0,5	Ø 26	Ø 32	Ø 32
1,0	Ø 55	Ø 42	Ø 37
1,5	Ø 58	Ø 45	Ø 41
2,0	Ø 59	Ø 46	Ø 42
2,5	Ø 60	Ø 47	Ø 43
3,0	Ø 62	Ø 48	Ø 44
3,5	Ø 63	Ø 49	Ø 46
4,0	Ø 65	Ø 50	Ø 47



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M		AS62	IG66	TN32	TN35
229.0250.10	2,5	0,2	0,2	30,4	6,2	229020108N		▲	▲	▲	▲
229.0300.10	3	0,2	0,2	30,4	6,2	229030108N		▲	▲	▲	▲
229.0400.10	4	0,2	0,2	30,4	6,2	229040108N		▲	▲	▲	▲
229.0500.10	5	0,2	0,2	30,4	6,2	229050108N		Δ	Δ	▲	
229.0600.10	6	0,4	0,4	30,6	6,5	229060108N			Δ		
229.0700.10	7	0,4	0,4	30,6	6,5	229070108N			Δ		
229.0800.10	8	0,4	0,4	30,6	6,5	229080108N			Δ		
229.0900.10	9	0,4	0,4	30,6	6,5	229090108N			Δ		
229.1000.10	10	0,4	0,4	30,6	6,5	229100108N			Δ		
							P	●	●	●	●
							M	●	●	-	-
							K	-	-	-	-
							N	-	-	-	-
							S	-	o	-	-
							H	-	-	-	-

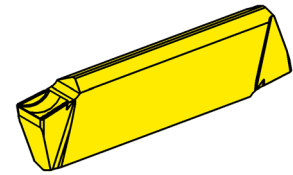
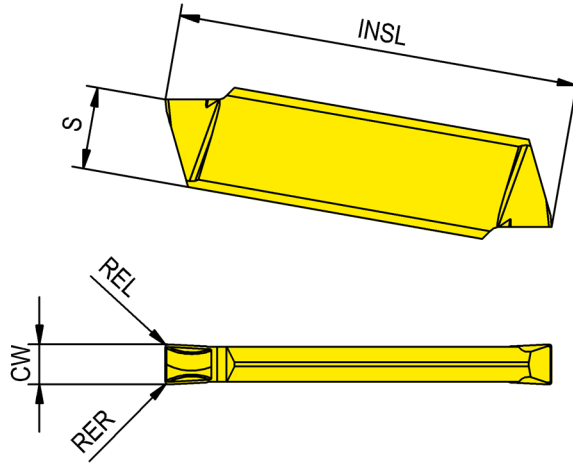
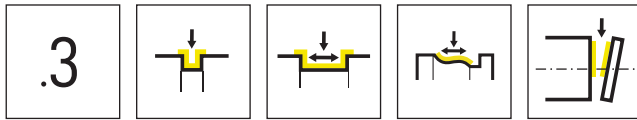


Sorten
Grades

▲ ab Lager
▲ on stock

Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	AS62	IG66	TN32
229.0300.20	3	0,2	0,2	30,4	6,2	229030108N	▲	Δ	
229.0400.20	4	0,2	0,2	30,4	6,2	229040108N	▲	Δ	▲
229.0500.20	5	0,2	0,2	30,4	6,2	229050108N	▲	Δ	
229.0600.20	6	0,4	0,4	30,6	6,5	229060108N	▲	Δ	
229.0700.20	7	0,4	0,4	30,6	6,5	229070108N		Δ	
229.0800.20	8	0,4	0,4	30,6	6,5	229080108N		Δ	
229.0900.20	9	0,4	0,4	30,6	6,5	229090108N		Δ	
229.1000.20	10	0,4	0,4	30,6	6,5	229100108N		Δ	
P	●	●	●						
M	-	-	-						
K	o	o	●						
N	-	-	-						
S	-	o	-						
H	-	-	-						

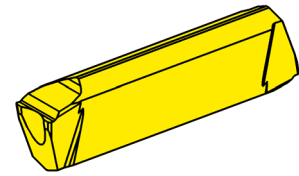
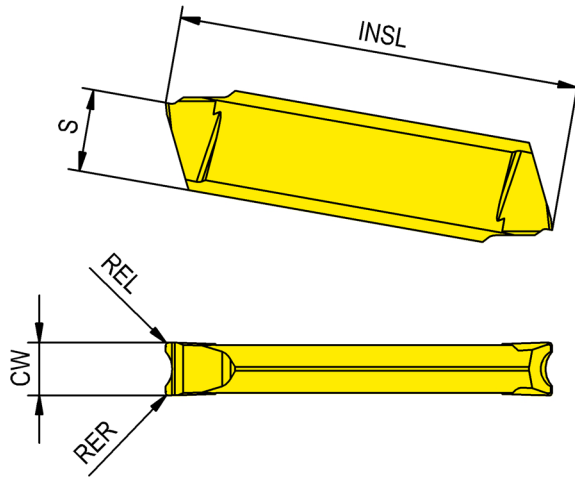
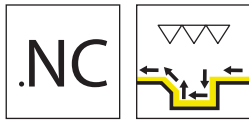


Sorten
Grades

▲ ab Lager
▲ on stock

Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	AS62	IG66	TN35
229.0300.31	3	0,2	0,2	30,4	6,2	229030108N	▲	▲	▲
229.0300.34	3,03	0,4	0,4	30,4	6,2	229030108N	▲	▲	▲
229.0350.31	3,5	0,2	0,2	30,4	6,2	229030108N		▲	
229.0400.31	4	0,2	0,2	30,4	6,2	229040108N	▲	▲	
229.0400.34	4,03	0,4	0,4	30,4	6,2	229040108N	▲	▲	▲
229.0500.31	5	0,2	0,2	30,4	6,2	229050108N	▲	▲	
229.0500.34	5,03	0,4	0,4	30,4	6	229050108N	Δ	Δ	▲
229.0500.36	5,03	0,6	0,6	30,4	6	229050108N		Δ	
229.0600.31	6	0,4	0,4	30,6	6,5	229060108N	Δ	Δ	
229.0600.38	6,03	0,8	0,8	30,6	6,5	229060108N	Δ	Δ	
229.0700.31	7	0,4	0,4	30,6	6,5	229070108N	Δ	Δ	
229.0800.31	8	0,4	0,4	30,6	6,5	229080108N	▲	Δ	
229.0900.31	9	0,4	0,4	30,6	6,5	229090108N	▲	Δ	
229.1000.31	10	0,4	0,4	30,6	6,5	229100108N	Δ	Δ	▲
							P	●	●
							M	●	●
							K	-	-
							N	-	-
							S	-	-
							H	-	-



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS	s	Trennstelle M Interface M	H20
229.NC30.02	3	0,2	0,2	30,4	6,2	229030108N	▲
229.NC40.02	4	0,2	0,2	30,4	6,2	229040108N	▲
							P ●
							M -
							K -
							N -
							S -
							H -

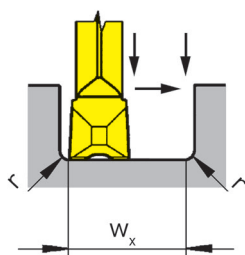
Berechnung der kleinstmöglichen Nutbreite w_x
Calculation of the smallest possible width of groove w_x

Beispiel S229.NC30.02
Example

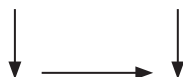
$w_x = 2 \times \text{Schneidbreite/Width of insert } w - 2 \times \text{Eckenradius Schneidplatte/Corner radius insert } r$

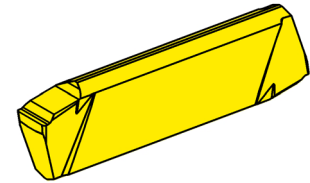
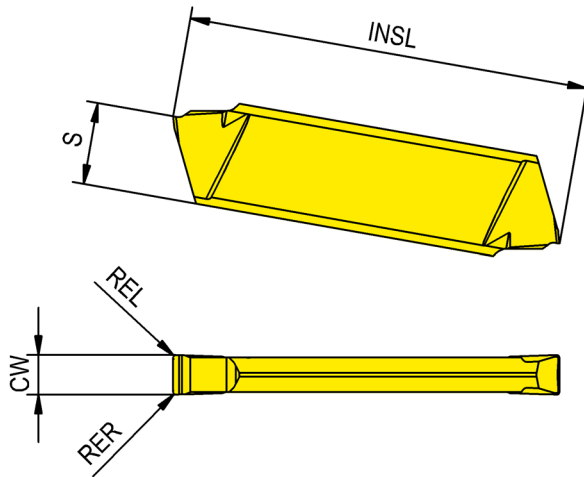
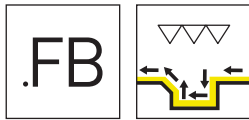
$w_x = 2 \times 3 \text{ mm} - 2 \times 0,2 \text{ mm}$

$w_x = 5,6 \text{ mm}$



Bearbeitungsablauf
Processing flow





Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS L	S	Trennstelle M Interface M		IG6T	H20
229.FB30.02	3	0,2	0,2	30,4	6,2	229030108N		Δ	▲
229.FB40.02	4	0,2	0,2	30,4	6,2	229040108N		Δ	▲
							P	●	●
							M	-	-
							K	-	-
							N	-	-
							S	o	-
							H	-	-

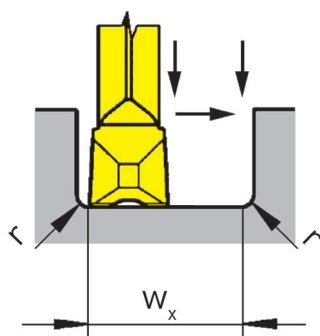
Berechnung der kleinstmöglichen Nutbreite w_x :
Calculation of the smallest possible width of groove w_x :

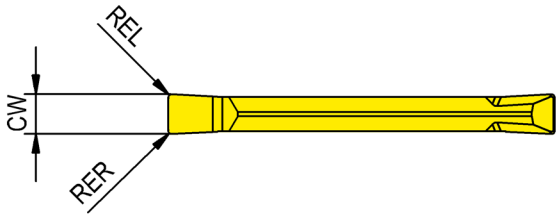
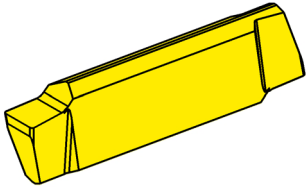
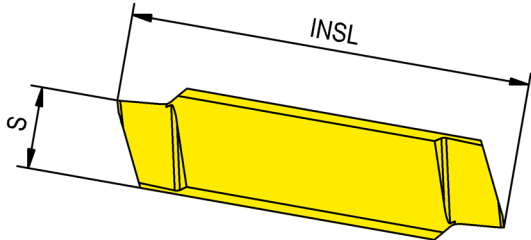
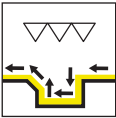
Beispiel 229.FB30.02
Example

$w_x = 2 \cdot \text{Schneidbreite CW (3 mm)} - 2 \cdot \text{Eckenradius r (0,2 mm, entspricht REL und RER der Schneidplatte)}$
2 · width of groove CW (3 mm) - 2 · corner radius r (0,2 mm, corresponds to the REL and RER of the insert)

$w_x = (2 \cdot 3 \text{ mm}) - (2 \cdot 0,2 \text{ mm})$

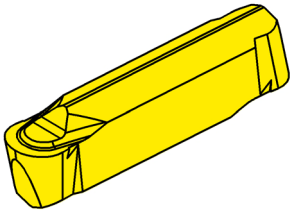
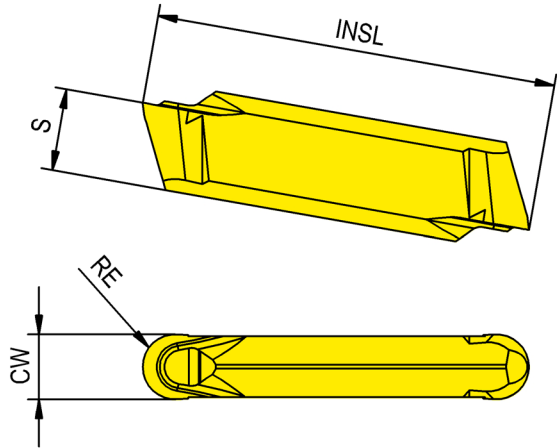
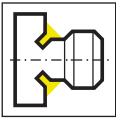
$w_x = 5,6 \text{ mm}$





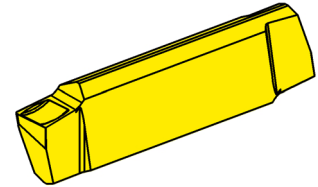
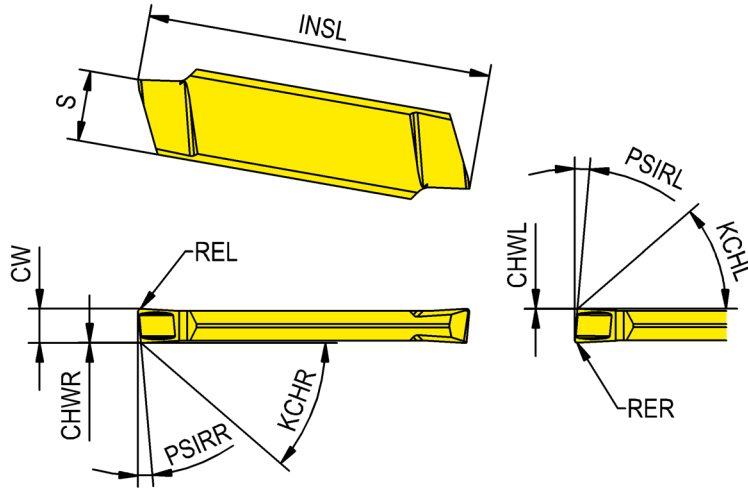
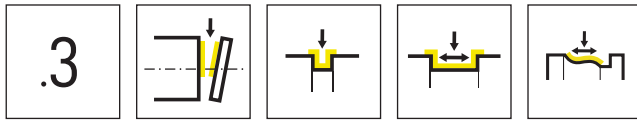
Sorten
Grades
▲ ab Lager
▲ on stock
Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	H20
229.0300.02	3	0,2	0,2	30,4	6,2	229030108N	▲
229.0400.02	4	0,2	0,2	30,4	6,2	229040108N	▲
						P	●
						M	-
						K	-
						N	-
						S	-
						H	-



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	RE	INSL	S	Trennstelle M Interface M		AS62	AS66	TN32
229.0015.30	3	1,5	30,4	6,2	229030108N		▲		▲
229.0020.40	4	2	30,4	6,2	229040108N		▲		▲
229.0025.50	5	2,5	30,4	6,2	229050108N			▲	▲
229.0030.60	6	3	30,6	6,5	229060108N		▲		▲
						P	●	●	●
						M	o	o	-
						K	-	-	-
						N	-	-	-
						S	-	-	-
						H	-	-	-

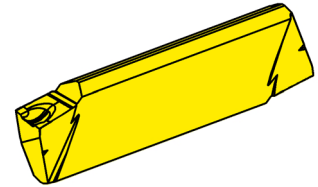
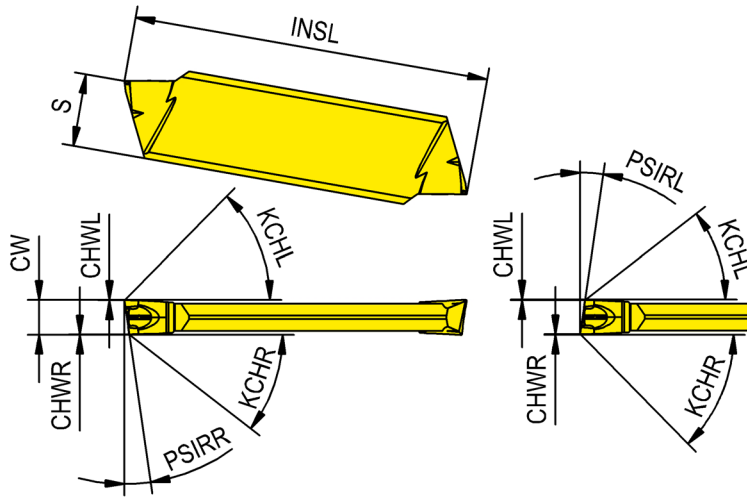
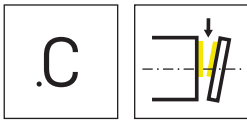


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	KCHL	KCHR	PSIRL	PSIRR	CHWL	CHWR	INSL	S	Trennstelle M Interface M	AS62	TF45	TI25	TN32	TN35
R229.5300.31	3	0,2	-	-	45°	-	5°	-	0,08	30,4	6,2	229030108N	▲	▲	▲	▲	▲
RS229.0530.32	3	0,2	-	-	45°	-	5°	-	0,08	30,4	6,2	S229030108N	▲	▲	▲	▲	▲
RS229.0540.32	4	0,2	-	-	45°	-	5°	-	0,08	30,4	6,2	S229040108N	▲	▲	▲	▲	▲
L229.5300.31	3	-	0,2	45°	-	5°	-	0,08	-	30,4	6,2	229030108N	▲	▲	▲	▲	▲
LS229.0530.32	3	-	0,2	45°	-	5°	-	0,08	-	30,4	6,2	S229030108N	▲	▲	▲	▲	▲
LS229.0540.32	4	-	0,2	45°	-	5°	-	0,08	-	30,4	6,2	S229040108N	▲	▲	▲	▲	▲
R/L229.5300.31 präzisionsgeschliffen, Längenmaß 30,0 mm													P	●	●	●	●
R/L229.5300.31 precision ground, length 30,0 mm													M	●	●	●	-
													K	-	-	-	-
													N	-	-	-	-
													S	-	-	-	-
													H	-	-	-	-

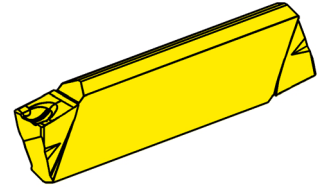
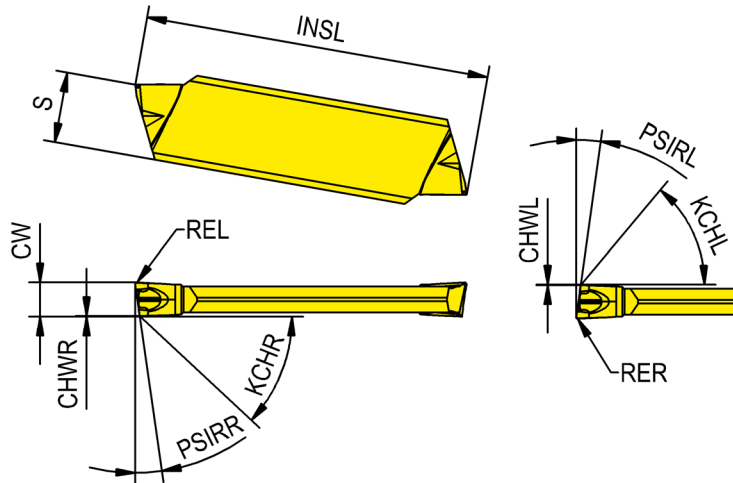
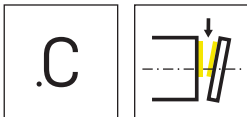


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	KCHL	KCHR	PSIRL	PSIRR	CHWL	CHWR	INSL	S	Trennstelle M Interface M	TF45	T125	TN35
RS229.0530.C0	3	45°	45°	-	5°	0,05	0,05	30,4	6,2	S229030108N	▲	▲	▲
RS229.0540.C0	4	45°	45°	-	5°	0,05	0,05	30,4	6,2	S229040108N		Δ	▲
RS229.0830.C0	3	45°	45°	-	8°	0,05	0,05	30,4	6,2	S229030108N	▲	▲	▲
LS229.0530.C0	3	45°	45°	5°	-	0,05	0,05	30,4	6,2	S229030108N	▲	▲	▲
LS229.0830.C0	3	45°	45°	8°	-	0,05	0,05	30,4	6,2	S229030108N	▲	▲	▲
S229.0030.C0	3	45°	45°	-	-	0,05	0,05	30,4	6,2	S229030108N	▲	▲	▲
P											●	●	●
M											-	-	-
K											-	-	-
N											-	-	-
S											-	-	-
H											-	-	-

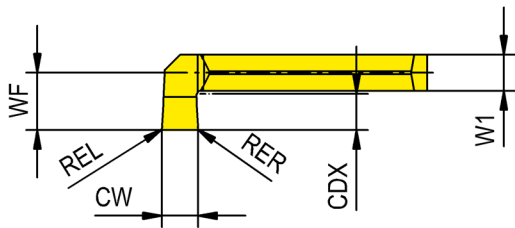
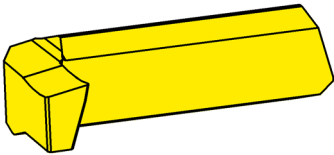
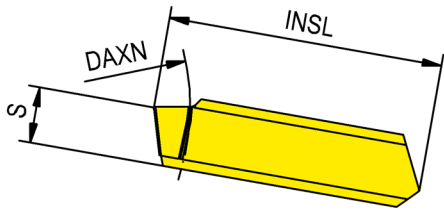
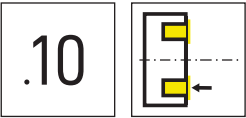


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	KCHL	KCHR	PSIRL	PSIRR	CHWL	CHWR	INS L	S	Trennstelle M Interface M	TF45	TI25	TN35
RS229.0530.C1	3	0,15	-	-	45°	-	5°	-	0,05	30,4	6,2	S229030108N		▲	▲
RS229.0830.C1	3	0,15	-	-	45°	-	8°	-	0,05	30,4	6,2	S229030108N	▲	▲	▲
RS229.0540.C1	4	0,2	-	-	45°	-	5°	-	0,05	30,4	6,2	S229040108N		Δ	Δ
RS229.0840.C1	4	0,2	-	-	45°	-	8°	-	0,05	30,4	6,2	S229040108N			▲
LS229.0530.C1	3	-	0,15	45°	-	5°	-	0,05	-	30,4	6,2	S229030108N		▲	▲
LS229.0830.C1	3	-	0,15	45°	-	8°	-	0,05	-	30,4	6,2	S229030108N	▲	Δ	▲
LS229.0840.C1	4	-	0,15	45°	-	8°	-	0,05	-	30,4	6,2	S229040108N			Δ
S229.0030.C1	3	0,15	0,15	-	-	-	-	-	-	30,4	6,2	S229030108N	Δ	▲	▲
P	●	●	●												
M	-	-	-												
K	-	-	-												
N	-	-	-												
S	-	-	-												
H	-	-	-												

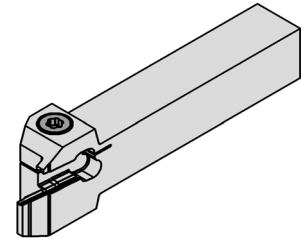
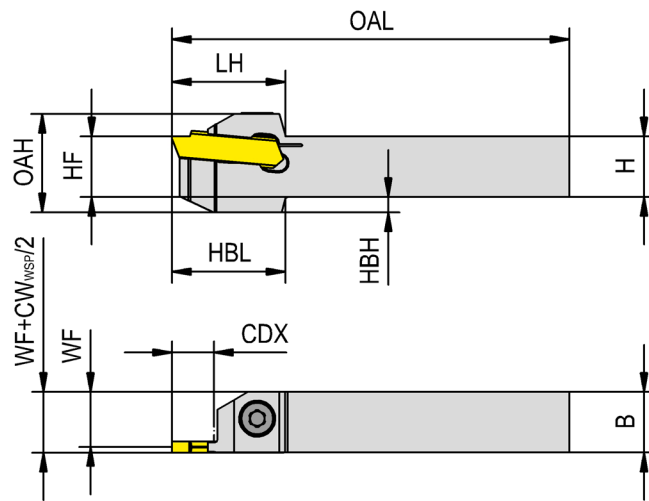
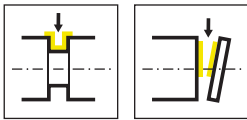


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	DAXN	INSL	S	Trennstelle M Interface M	AS65
R229.3040.HA50.12	3	4	0,2	0,2	50	30,4	6,2	S229040108N	Δ
R229.4040.HA50.12	4	4	0,2	0,2	50	30,4	6,2	S229040108N	Δ
L229.3040.HA50.12	3	4	0,2	0,2	50	30,4	6,2	S229040108N	Δ
L229.4040.HA50.12	4	4	0,2	0,2	50	30,4	6,2	S229040108N	Δ
									P ●
									M ●
									K -
									N -
									S -
									H -



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

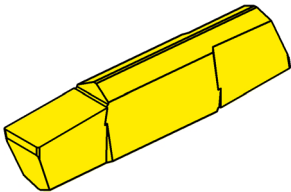
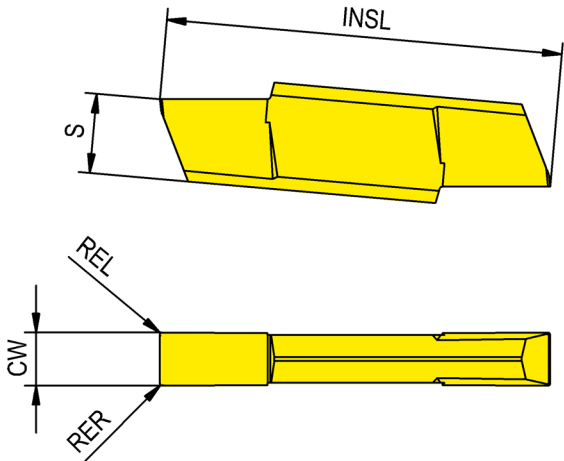
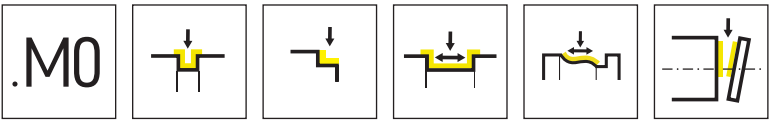
Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH259.2020.03	11	20	20	135	30	-	26	-	18,55	20	259030058N • 259040058N
RH259.2525.03	11	25	25	135	30	-	31	-	23,55	25	259030058N • 259040058N
RH259.1616.13	18	16	16	135	33	33	26	4	14,55	16	259030058N • 259040058N
RH259.2020.13	18	20	20	135	33	-	26	-	18,55	20	259030058N • 259040058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RH259...	6.23T25P	T25PQ



Nutzbare Nebeschneidenlänge a_p
Usable length of minor cutting edge a_p

2 x w zur Messingbearbeitung (Ms58)
2 x w for machining brass (Ms58)

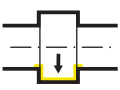
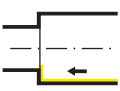
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS L	S	Trennstelle M Interface M	MG12
259.0300.M1	3	0,15	0,15	29,9	6	259030058N	▲
259.0300.M2	3	0,2	0,2	29,9	6	259030058N	▲
259.0400.M1	4	0,15	0,15	29,9	6	259040058N	▲
259.0400.M2	4	0,2	0,2	29,9	6	259040058N	▲
							P ●
							M o
							K -
							N -
							S -
							H -

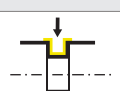
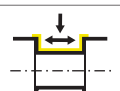
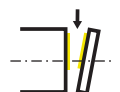
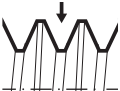
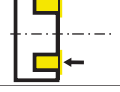


Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 28	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,1-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						
														

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 6,95	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,1-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
		•					•	•						
							•	•	•					

B7

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Klemmhalter und Schneidplatten

Stechbreite 2,5 - 7 mm
Stechtiefe bis 11 mm

Toolholder and Inserts

Width of groove 2,5 - 7 mm
Depth of groove up to 11 mm

B7

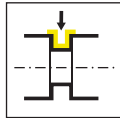
Inhaltsangabe

Summary

Geometrien und
Vorschübe
Geometries and feed rates

Seite/Page

Klemmhalter
Toolholder
211

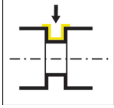
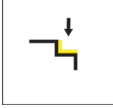
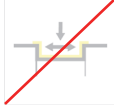
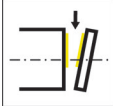


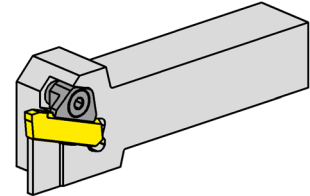
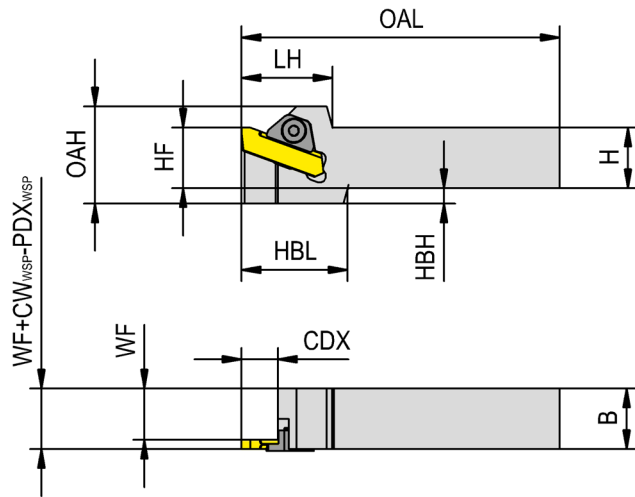
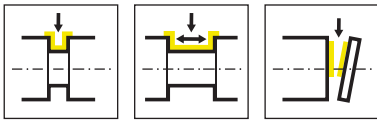
Seite/Page
290-291

Wendescheidplatte
Indexable insert
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Seite/Page
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Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
.10	P M K N S H	↓ 0,05-0,15	    



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R211.2020.02	11	20	20	125	30	35	32	5	17,5	20	231020208R • 231030208R
R211.2525.02	11	25	25	150	30	-	32	-	22,5	25	231020208R • 231030208R
R211.2020.03	11	20	20	125	30	35	32	5	17	20	231030208R • 231040208N
R211.2525.03	11	25	25	150	30	-	32	-	22	25	231030208R • 231040208N
R211.3232.04	11	32	32	170	30	-	39	-	28	32	231040208N • 231050208N
L211.2020.02	11	20	20	125	30	35	32	5	17,5	20	231020208L • 231030208L
L211.2525.02	11	25	25	150	30	-	32	-	22,5	25	231020208L • 231030208L
L211.2525.03	11	25	25	150	30	-	32	-	22	25	231030208L • 231040208N
L211.2525.04	11	25	25	150	30	-	32	-	21	25	231040208N • 231050208N

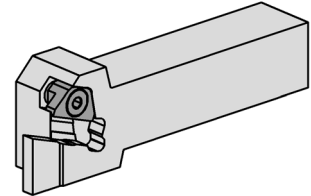
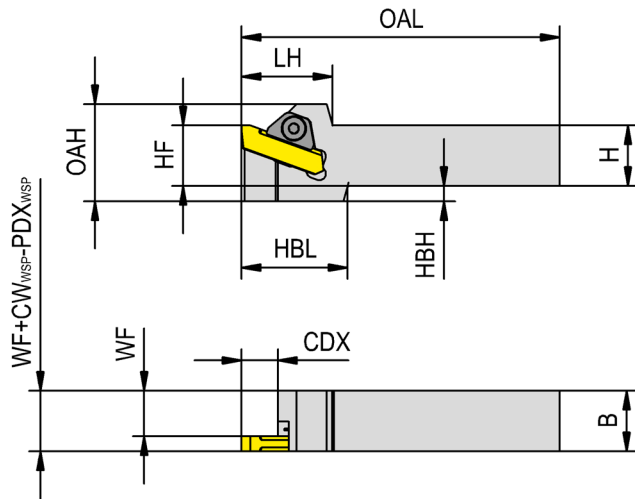
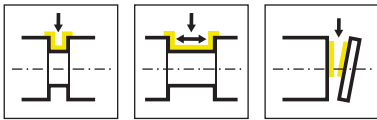
CW siehe Wendeschneidplatten
CW see indexable inserts

B7

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L211...	2.16.2
R/L211.3232.03	2.16.3
R/L211.2525.04	2.16.7
R/L211.3232.04	2.16.7



R = rechts wie gezeichnet
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L = left hand version

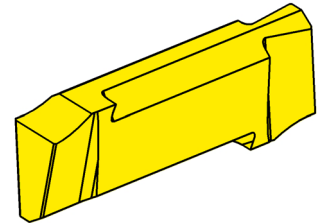
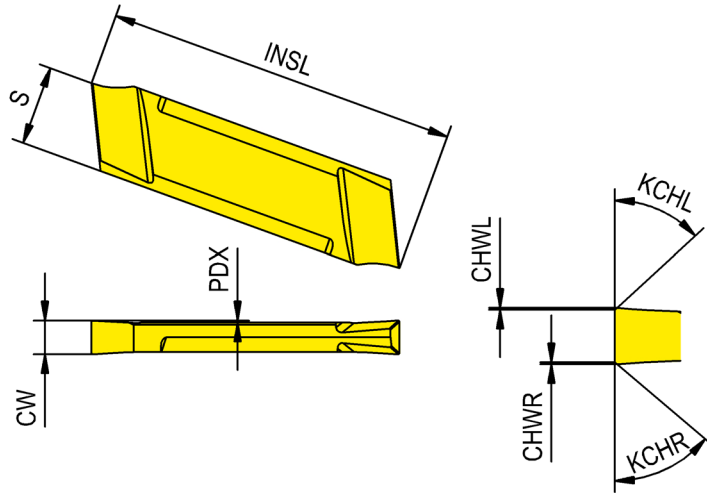
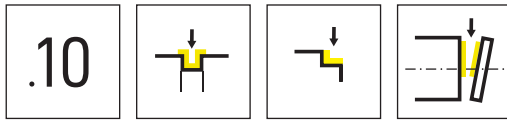
Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
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R211.2525.05	11	25	25	150	30	-	32	-	20	25	231050208N • 231060208N
R211.2020.07	11	20	20	125	30	35	32	5	13	20	231070208N • 231080208N
R211.2525.07	11	25	25	150	30	-	32	-	18	25	231070208N • 231080208N
R211.2020.09	11	20	20	125	30	35	32	5	11	20	231090208N • 231100208N
R211.2525.09	11	25	25	150	30	-	32	-	16	25	231090208N • 231100208N
L211.2020.05	11	20	20	125	30	35	32	5	15	20	231050208N • 231060208N
L211.2525.05	11	25	25	150	30	-	32	-	20	25	231050208N • 231060208N
L211.2020.07	11	20	20	125	30	35	32	5	13	20	231070208N • 231080208N
L211.2525.09	11	25	25	150	30	-	32	-	16	25	231090208N • 231100208N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L211...	2.16.7



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

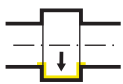
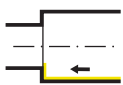
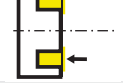
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	KCHL	KCHR	CHWL	CHWR	PDX	INSL	S	Trennstelle M Interface M	P20	TN32
R231.0250.10	2,5	45°	45°	0,03	0,03	0,2	31	7	231020208R	▲	▲
R231.0300.10	3	45°	45°	0,03	0,03	0,2	31	7	231030208R	Δ	
L231.0250.10	2,5	45°	45°	0,03	0,03	0,2	31	7	231020208L	▲	▲
L231.0300.10	3	45°	45°	0,03	0,03	0,2	31	7	231030208L	▲	
231.0400.10	4	45°	45°	0,03	0,03	0,2	31	7	231040208N	▲	
231.0500.10	5	45°	45°	0,03	0,03	0,2	31	7	231050208N	▲	
231.0600.10	6	45°	45°	0,03	0,03	0,2	31	7	231060208N	▲	
231.0700.10	7	45°	45°	0,03	0,03	0,2	31	7	231070208N	Δ	
										P	●
										M	-
										K	-
										N	-
										S	-
										H	-

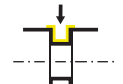
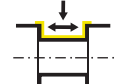
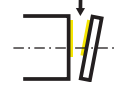
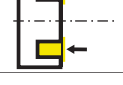


Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 28	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,1-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						
														

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 6,95	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,1-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
		•					•	•						
							•	•	•					

234



Klemmhalter und Schneidplatten

Stechbreite 2 + 3 mm
Stechtiefe bis 33 mm

Toolholder and Inserts

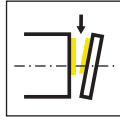
Width of groove 2 + 3 mm
Depth of groove up to 33 mm

B8

Inhaltsangabe

Summary

Klemmhalter
Toolholder
H234

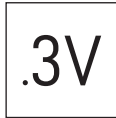


Seite/Page
298-300

Wendescheidplatte
Indexable insert
S234



Seite/Page
301



Seite/Page
302

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]
-----------------------	-----------------------	--

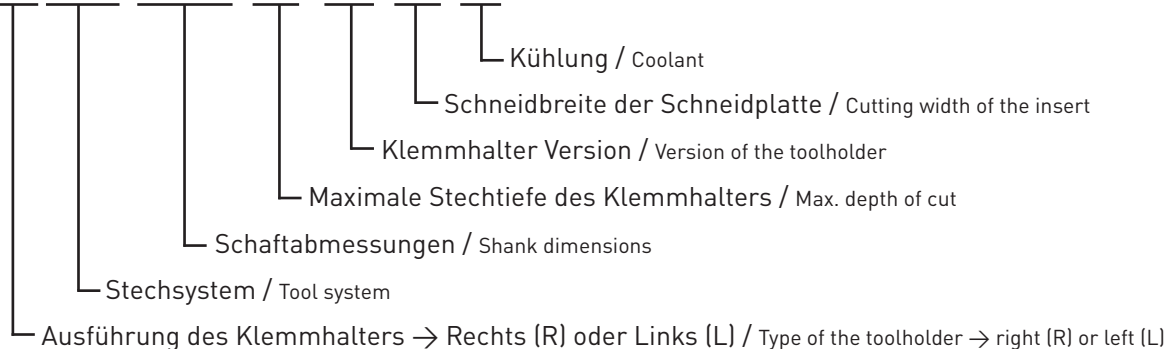
S262	P	M	K	↓ ↔	0,01-0,10
	N	S	H		0,002-0,02

Technische Hinweise

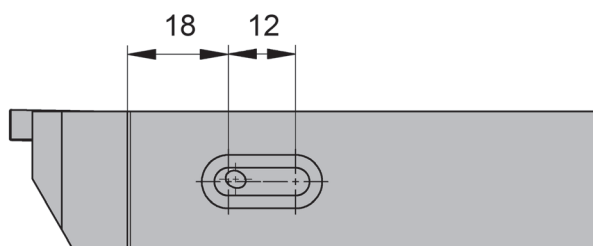
Technical Information

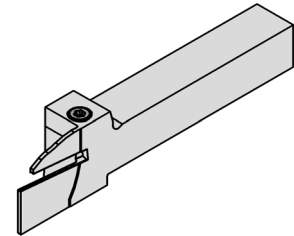
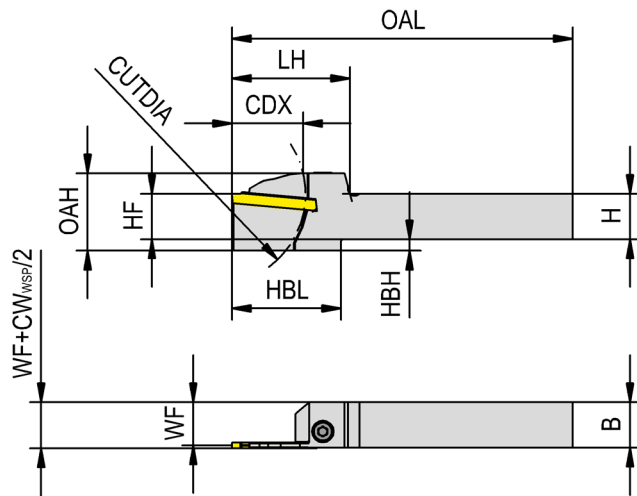
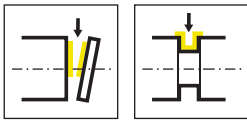
Nummernschlüssel der Klemmhalter
Number code of the toolholder

RH234.2020.33.0A.02.IK



Position der Kühlmittelübergabe
Position of the coolant transfer





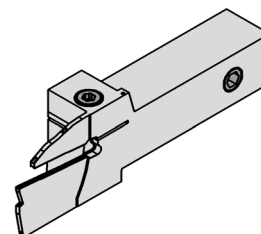
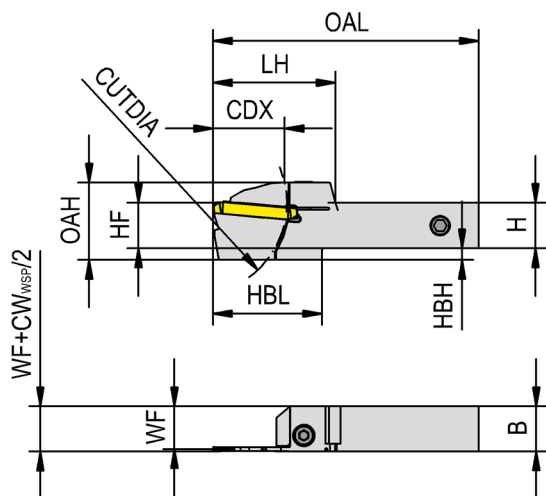
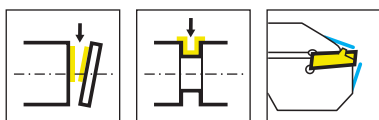
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH234.2020.33.02	33	80	20	20	150	52	48	34	5	19	20	234010058N
RH234.2020.33.03	33	80	20	20	150	52	48	34	5	18,5	20	234030058N
RH234.2525.33.02	33	80	25	25	150	52	48	39	5	24	25	234010058N
RH234.2525.33.03	33	80	25	25	150	52	48	39	5	23,5	25	234030058N
LH234.2020.33.02	33	80	20	20	150	52	48	34	5	19	20	234010058N
LH234.2020.33.03	33	80	20	20	150	52	48	34	5	18,5	20	234030058N
LH234.2525.33.02	33	80	25	25	150	52	48	39	5	24	25	234010058N
LH234.2525.33.03	33	80	25	25	150	52	48	39	5	23,5	25	234030058N

CW siehe Wendeschneidplatten
CW see indexable inserts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH234...	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH234.2020.33.0A.02.IK	33	80	20	20	117	54	48	34	5	19	20	234010058N
RH234.2020.33.0A.03.IK	33	80	20	20	117	54	48	34	5	18,5	20	234030058N
RH234.2525.33.0A.02.IK	33	80	25	25	132	54	48	39	5	24	25	234010058N
RH234.2525.33.0A.03.IK	33	80	25	25	132	54	48	39	5	23,5	25	234030058N
LH234.2020.33.0A.02.IK	33	80	20	20	117	54	48	34	5	19	20	234010058N
LH234.2020.33.0A.03.IK	33	80	20	20	117	54	48	34	5	18,5	20	234030058N
LH234.2525.33.0A.02.IK	33	80	25	25	132	54	48	39	5	24	25	234010058N
LH234.2525.33.0A.03.IK	33	80	25	25	132	54	48	39	5	23,5	25	234030058N

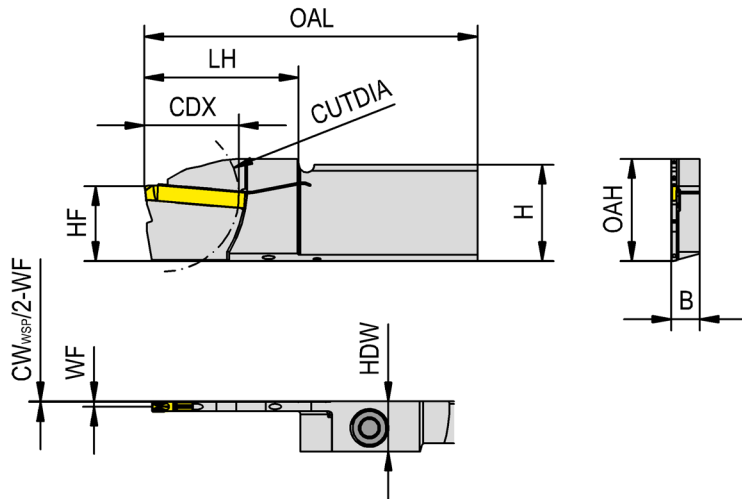
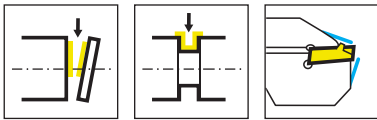
Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".
Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH234...	004.00.16	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

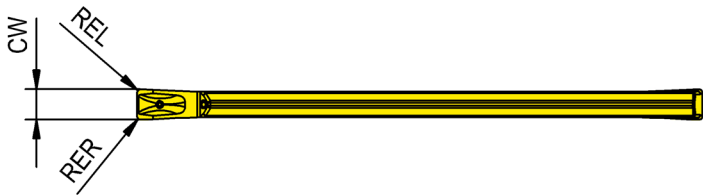
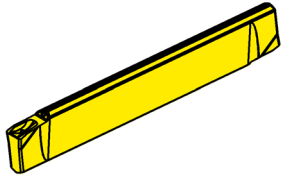
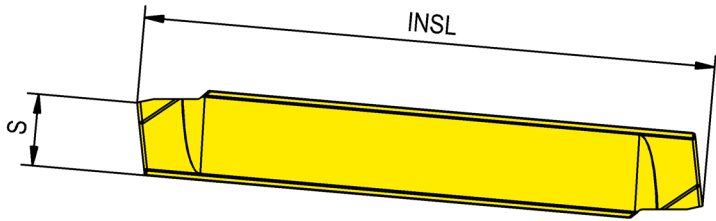
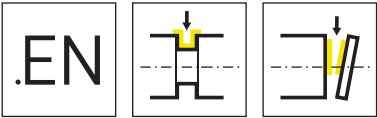
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	HDW	WF	HF	Trennstelle W Interface W
RH234.3208.33.02.IK	34	80	32	7,9	110	51	33,8	9,5	1	24,8	234010058N
RH234.3208.33.03.IK	34	80	32	7,9	110	51	33,8	9,5	1,5	24,8	234030058N
LH234.3208.33.02.IK	34	80	32	7,9	110	51	33,8	9,5	1	24,8	234010058N
LH234.3208.33.03.IK	34	80	32	7,9	110	51	33,8	9,5	1,5	24,8	234030058N

Interner seitlicher Kühlmittelanschluss
Internal side coolant connection

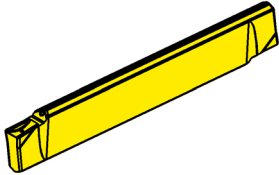
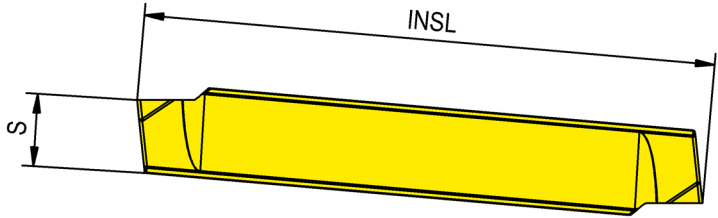
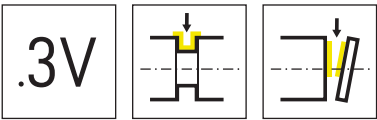
CW siehe Wendeschneidplatten
CW see indexable inserts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH234...	5.13T20P	T20PQ



Sorten	
Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS L	S	Trennstelle M Interface M		AS65	IG65
S234.0200.EN2	2	0,2	0,2	37,8	4,75	234010058N		▲	▲
S234.0300.EN3	3	0,3	0,3	37,8	4,75	234030058N		▲	▲
							P	●	●
							M	-	-
							K	-	-
							N	-	-
							S	-	-
							H	-	-



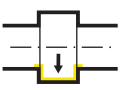
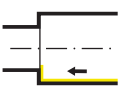
Sorten	
Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS L	S	Trennstelle M Interface M		AS65	IG65
S234.0200.3V2	2	0,2	0,2	37,8	4,75	234010058N		▲	▲
S234.0300.3V3	3	0,3	0,3	37,8	4,75	234030058N		▲	▲
							P	o	o
							M	•	•
							K	-	-
							N	-	-
							S	-	-
							H	-	-

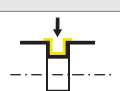
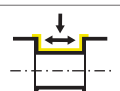
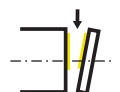
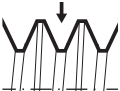
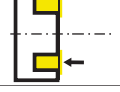


Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 28	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,1-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						
														

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 6,95	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,1-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
		•					•	•						
							•	•	•					

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Klemmhalter und Schneidplatten

Stechbreite 0,025 - 5 mm
Stechtiefe bis 6,95 mm

Toolholder and Inserts

Width of groove 025 - 5 mm
Depth of groove up to 6,95 mm

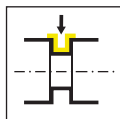
Inhaltsangabe

Summary

Geometrien und
Vorschübe
Geometries and feed rates

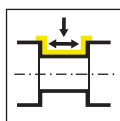
Seite/Page
307

Klemmhalter
Toolholder
H262

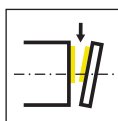


Seite/Page
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Wendescheidplatte
Indexable insert
S262

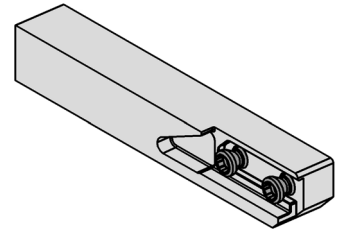
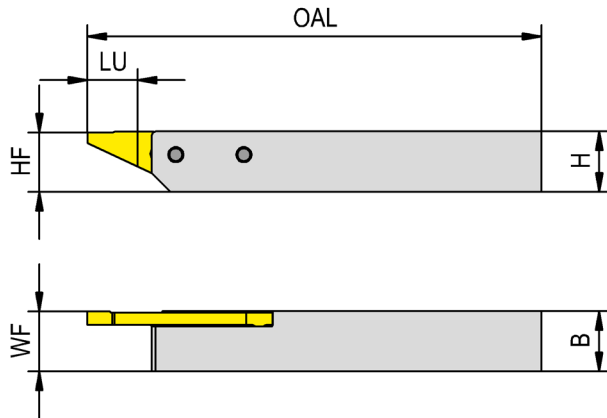
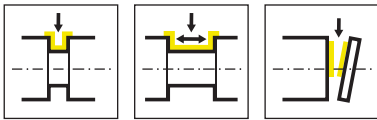


Seite/Page
309-310, 312



Seite/Page
311

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]
S262	P M K	↓ 0,01-0,10
	N S H	↔ 0,002-0,02

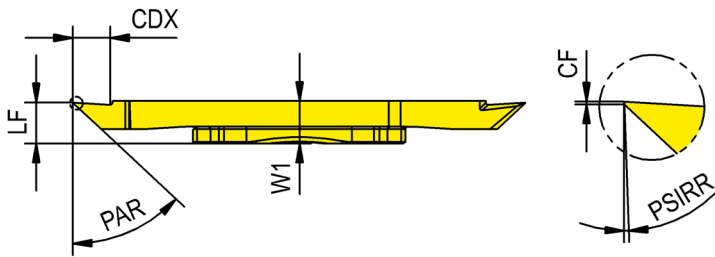
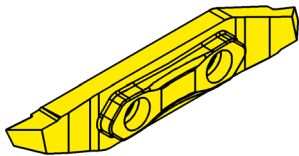
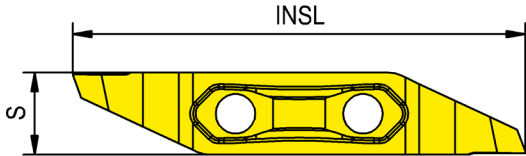
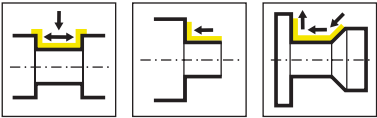


L = links wie gezeichnet
L = left hand version shown

Artikelnummer Part number	LU	H	B	OAL	WF	HF	Trennstelle W Interface W
LH262.0606.04	6,95	6	6	100	5,93	5,83	262044N
LH262.0707.04	6,95	7	7	100	6,93	6,83	262044N
LH262.0808.04	6,95	8	8	100	7,93	7,83	262044N
LH262.1010.04	6,95	10	10	100	9,93	9,83	262044N

Ersatzteile
Spare Parts

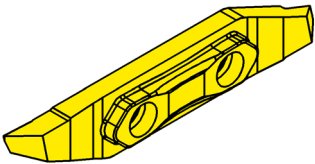
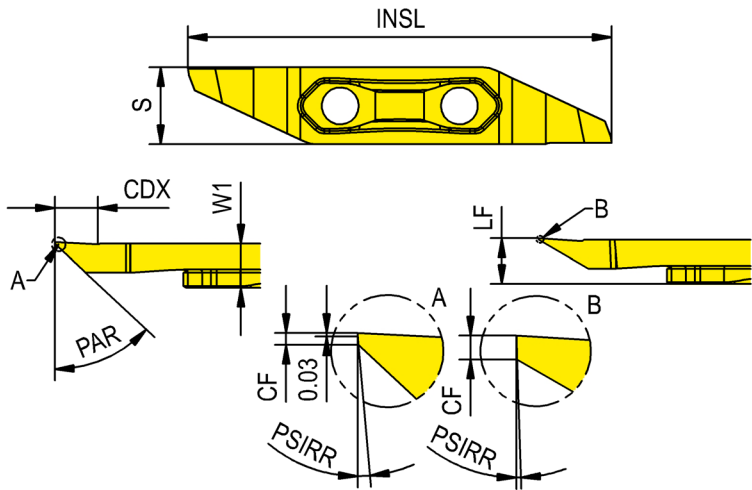
Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LH262...	030.2557.T8P	T8PL



L = links wie gezeichnet
L = left hand version shown

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

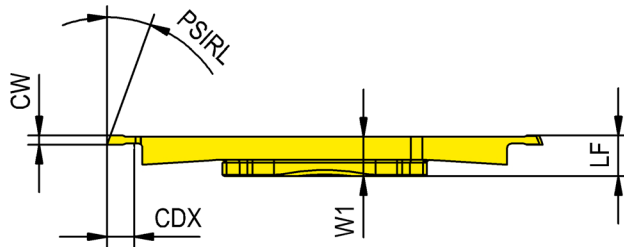
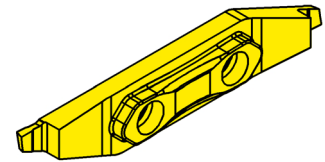
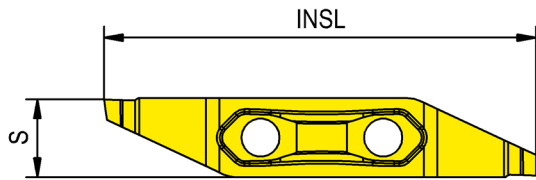
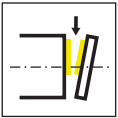
Artikelnummer Part number	CW	CF	CDX	PSIRR	PAR	W1	LF	INSL	S	Trennstelle M Interface M	EG35
LS262.0247.04	1,9	0,02	1,8	2°	47°	3	2,9	32	5,7	262043N	▲
											P ●
											M o
											K -
											N -
											S -
											H -



L = links wie gezeichnet
L = left hand version shown

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

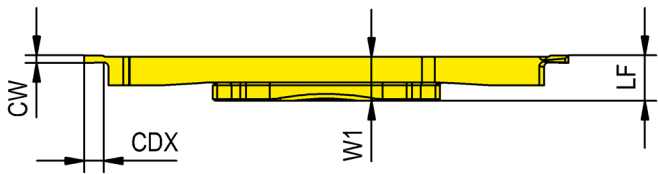
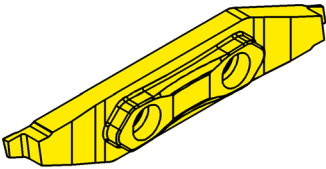
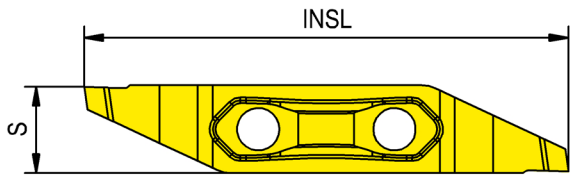
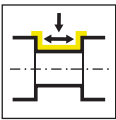
Artikelnummer Part number	CW	CF	CDX	PSIRR	PAR	W1	LF	INS	S	Typ Type	Trennstelle M Interface M	EG35
LS262.0147.04	2	0,1	1,8	5°	47°	2,9	3	32	5,7	A	262043N	▲
LS262.0160.03	2	0,10	3	2°	60°	2,9	3	32	5,7	B	262043N	▲
												P ●
												M o
												K -
												N -
												S -
												H -



L = links wie gezeichnet
L = left hand version shown

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	PSIRL	W1	LF	INSL	S	Trennstelle M Interface M	EG35
LS262.2007.02	0,7	2	20°	2,9	3	32	5,7	262043N	▲
LS262.2508.03	0,8	3	25°	2,9	3	32	5,7	262043N	▲
LS262.2509.04	0,9	4	25°	2,9	3	32	5,7	262043N	▲
LS262.2510.05	1	5	25°	2,9	3	32	5,7	262043N	▲
									P ●
									M o
									K -
									N -
									S -
									H -



L = links wie gezeichnet
L = left hand version shown

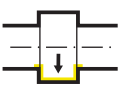
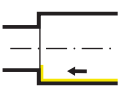
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	W1	LF	INSL	S	Trennstelle M Interface M	EG35
LS262.0005.01	0,5	1	2,9	3	32	5,7	262043N	▲
LS262.0012.02	1,2	2	2,9	3	32	5,7	262043N	▲
LS262.0015.03	1,5	3	2,9	3	32	5,7	262043N	▲
								P ●
								M o
								K -
								N -
								S -
								H -

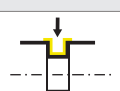
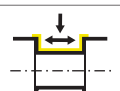
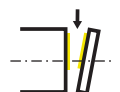
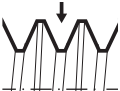
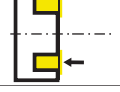


Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

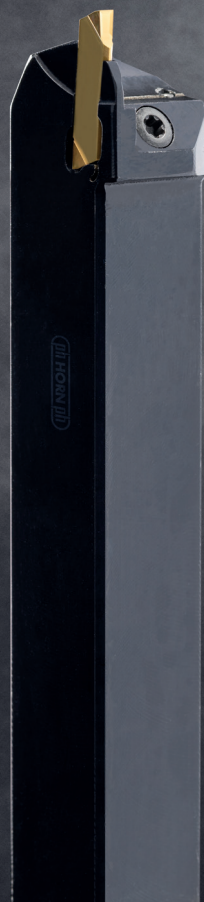
Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 28	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,1-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						
														

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 6,95	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,1-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
		•					•	•						
							•	•	•					

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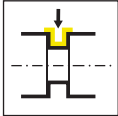
Klemmhalter und Schneidplatten

Stechbreite 1,5 - 3 mm
Stechtiefe bis 16 mm

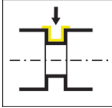
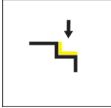
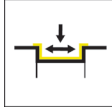
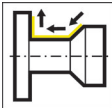
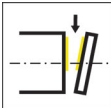
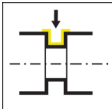
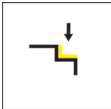
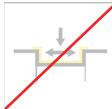
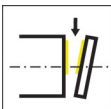
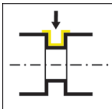
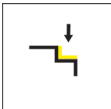
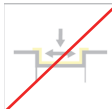
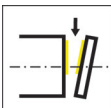
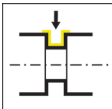
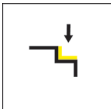
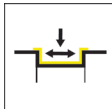
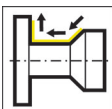
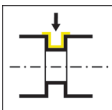
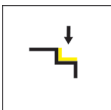
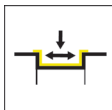
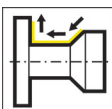
Toolholder and Inserts

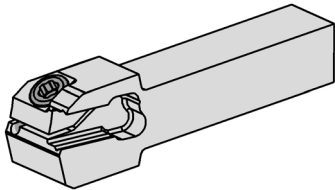
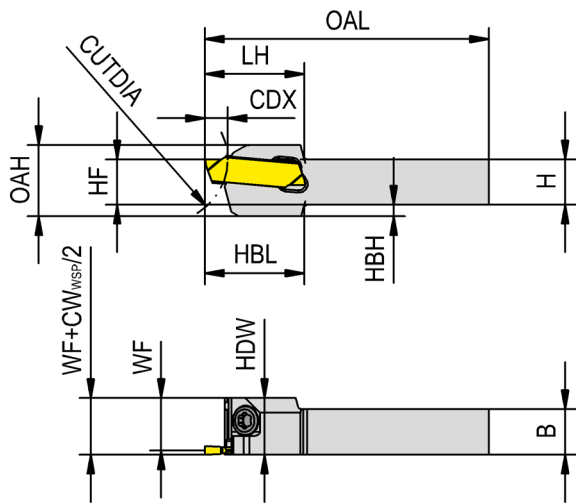
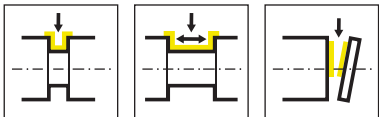
Width of groove 1,5 - 3 mm
Depth of groove up to 16 mm

Geometrien und Vorschübe Geometries and feed rates	Seite/Page 317
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Klemmhalter Toolholder H264		Seite/Page 318-322
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Wendeschneidplatte Indexable insert 264					
	Seite/Page 323-324	Seite/Page 325-326	Seite/Page 327	Seite/Page 328	Seite/Page 329

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	    
	P M K N S H	↓ 0,05-0,15	    
	P M K N S H	↓ 0,07-0,25	    
	P M K N S H	↓ 0,02-0,08 ↔ 0,02-0,04	    
	P M K N S H	↓ 0,03-0,15 ↔ 0,05-0,20	    



R = rechts wie gezeichnet
R = right hand version shown

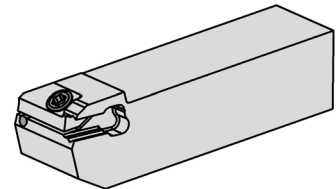
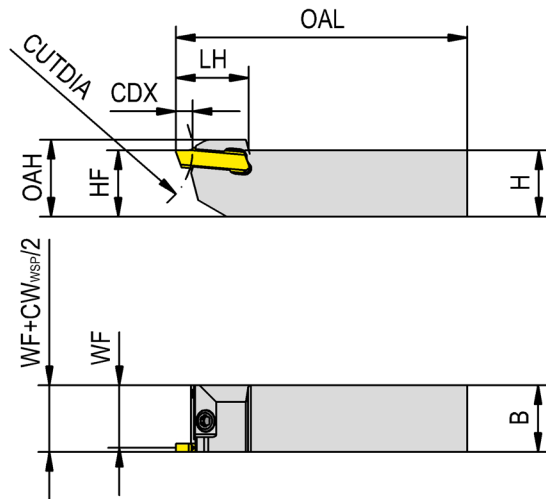
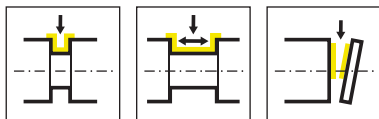
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RH264.0808.01	4	22	8	8	120	17,5	17,5	12,5	10	2	7,25	8	264010058N
RH264.1010.01	4	22	10	10	120	17,5	-	12,5	-	-	9,25	10	264010058N
RH264.1010.11	10	20	10	10	120	19	-	12,5	-	-	9,25	10	264010058N
RH264.1212.01	4	22	12	12	120	17,5	-	14,5	-	-	11,25	12	264010058N
RH264.1212.11	10	20	12	12	120	19	-	14,5	-	-	11,25	12	264010058N
RH264.1212.21	13	26	12	12	120	22	-	15,5	-	-	11,25	12	264010058N
RH264.1616.01	4	32	16	16	120	17,5	-	18,5	-	-	15,25	16	264010058N
RH264.1616.11	10	32	16	16	120	19	-	18,5	-	-	15,25	16	264010058N
RH264.1616.21	13	32	16	16	120	22	-	19,5	-	-	15,25	16	264010058N
LH264.0808.01	4	22	8	8	120	17,5	17,5	12,5	10	2	7,25	8	264010058N
LH264.1010.01	4	22	10	10	120	17,5	-	12,5	-	-	9,25	10	264010058N
LH264.1010.11	10	22	10	10	120	19	-	12,5	-	-	9,25	10	264010058N
LH264.1212.01	4	22	12	12	120	17,5	-	14,5	-	-	11,25	12	264010058N
LH264.1212.11	10	20	12	12	120	19	-	14,5	-	-	11,25	12	264010058N
LH264.1212.21	13	26	12	12	120	22	-	15,5	-	-	11,25	12	264010058N
LH264.1616.01	4	32	16	16	120	17,5	-	18,5	-	-	15,25	16	264010058N
LH264.1616.11	10	32	16	16	120	19	-	18,5	-	-	15,25	16	264010058N
LH264.1616.21	13	32	16	16	120	22	-	19,5	-	-	15,25	16	264010058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH264...	3.5.12T10EP	T10PL



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

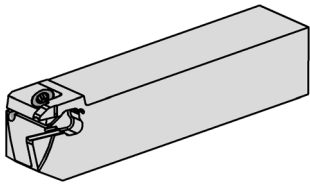
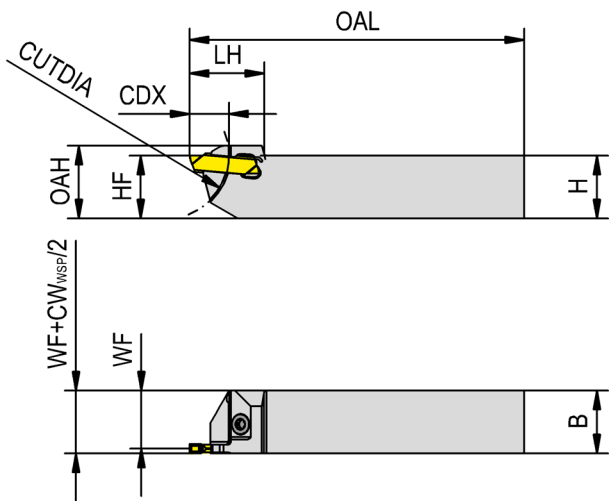
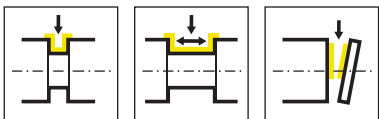
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
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RH264.1212.02	4	32	12	12	120	17,5	14,5	11	12	264020058N
RH264.1616.02	4	32	16	16	120	17,5	18,5	15	16	264020058N
RH264.1010.12	10	32	10	10	120	19	12,5	9	10	264020058N
RH264.1212.12	10	32	12	12	120	19	14,5	11	12	264020058N
RH264.1616.12	10	32	16	16	120	19	18,5	15	16	264020058N
RH264.1212.22	16	32	12	12	120	25	15,5	11	12	264020058N
RH264.1616.22	16	32	16	16	120	25	19,5	15	16	264020058N
LH264.1212.02	4	32	12	12	120	17,5	14,5	11	12	264020058N
LH264.1616.02	4	32	16	16	120	17,5	18,5	15	16	264020058N
LH264.1010.12	10	32	10	10	120	19	12,5	9	10	264020058N
LH264.1212.12	10	32	12	12	120	19	14,5	11	12	264020058N
LH264.1616.12	10	32	16	16	120	19	18,5	15	16	264020058N
LH264.1212.22	16	32	12	12	120	25	15,5	11	12	264020058N
LH264.1616.22	16	32	16	16	120	25	19,5	15	16	264020058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH264...	3.5.12T10EP	T10PL



R = rechts wie gezeichnet
R = right hand version shown

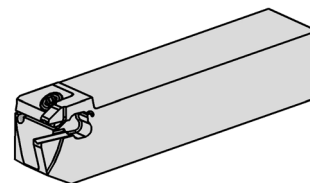
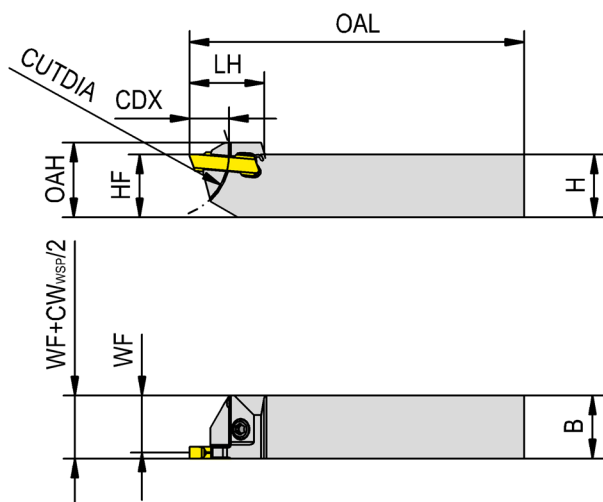
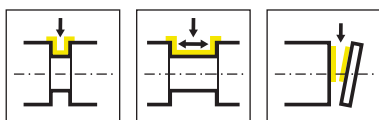
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH264.1212.03	4	32	12	12	120	17,5	14,5	10,75	12	264030058N
RH264.1616.03	4	32	16	16	120	17,5	18,5	14,75	16	264030058N
RH264.1212.13	10	32	12	12	120	19	14,5	10,75	12	264030058N
RH264.1616.13	10	32	16	16	120	19	18,5	14,75	16	264030058N
RH264.1212.23	16	32	12	12	120	25	15,5	10,75	12	264030058N
RH264.1616.23	16	32	16	16	120	25	19,5	14,75	16	264030058N
LH264.1616.03	4	32	16	16	120	17,5	18,5	14,75	16	264030058N
LH264.1212.13	10	32	12	12	120	19	14,5	10,75	12	264030058N
LH264.1616.13	10	32	16	16	120	19	18,5	14,75	16	264030058N
LH264.1212.23	16	32	12	12	120	25	15,5	10,75	12	264030058N
LH264.1616.23	16	32	16	16	120	25	19,5	14,75	16	264030058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH264...	3.5.12T10EP	T10PL



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

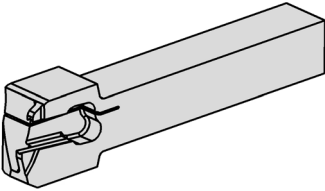
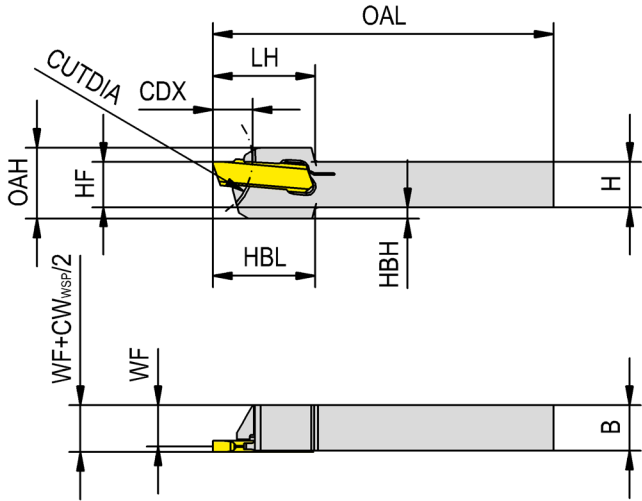
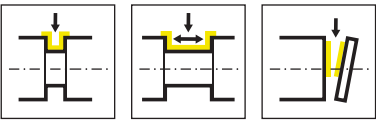
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RH264.1212.04	5	32	12	12	120	17,5	15	10,5	12	264040058N
RH264.1616.04	5	32	16	16	120	17,5	19	14,5	16	264040058N
RH264.1212.14	10	32	12	12	120	19	15	10,5	12	264040058N
RH264.1616.14	10	32	16	16	120	19	19	14,5	16	264040058N
RH264.1212.24	16	32	12	12	120	25	15,5	10,5	12	264040058N
RH264.1616.24	16	32	16	16	120	25	19,5	14,5	16	264040058N
LH264.1212.04	5	32	12	12	120	17,5	15	10,5	12	264040058N
LH264.1616.04	5	32	16	16	120	17,5	19	14,5	16	264040058N
LH264.1212.14	10	32	12	12	120	19	15	10,5	12	264040058N
LH264.1616.14	10	32	16	16	120	19	19	14,5	16	264040058N
LH264.1616.24	16	32	16	16	120	25	19,5	14,5	16	264040058N

CW siehe Schneidplatten
CW see inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH264...	3.5.12T10EP	T10PL



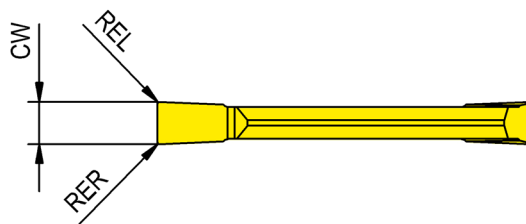
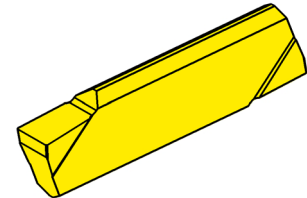
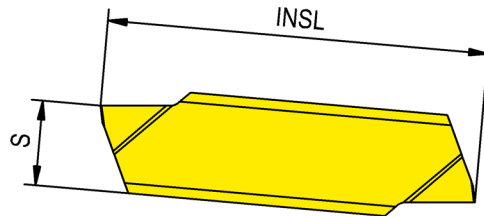
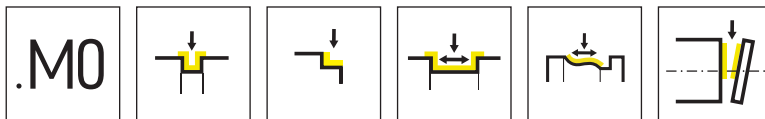
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH264.0808.51	7	20	8	8	120	18	18	12,5	2	7,25	8	264010058N
RH264.1010.61	10	20	10	10	120	19	-	12,5	-	9,25	10	264010058N
RH264.1010.62	10	20	10	10	120	19	-	12,5	-	9	10	264020058N
RH264.1212.62	10	20	12	12	120	19	-	14,5	-	11	12	264020058N
RH264.1212.63	10	32	12	12	120	19	-	14,5	-	10,75	12	264030058N
LH264.0808.51	7	20	8	8	120	18	18	12,5	2	7,25	8	264010058N
LH264.1010.61	10	20	10	10	120	19	-	12,5	-	9,25	10	264010058N
LH264.1010.62	10	20	10	10	120	19	-	12,5	-	9	10	264020058N
LH264.1212.62	10	20	12	12	120	19	-	14,5	-	11	12	264020058N
LH264.1212.63	10	32	12	12	120	19	-	14,5	-	10,75	12	264030058N

CW siehe Schneidplatten
CW see inserts

Der Schlüssel **P39L** gehört nicht zum Lieferumfang des Schneidenträgers. Bitte separat bestellen!
Wrench P39L is not combined with toolholder - separate order required!



Sorten

Grades

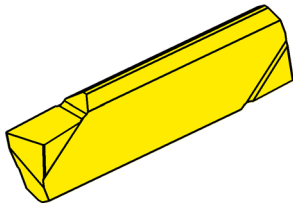
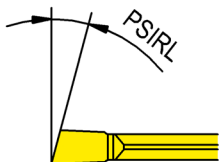
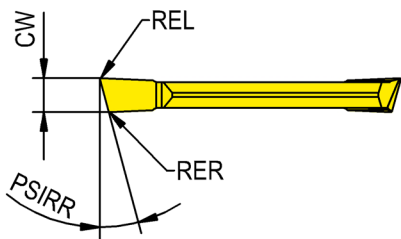
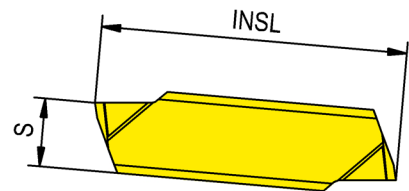
▲ ab Lager

Δ 4 Wochen

▲ on stock

Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS	S	Trennstelle M Interface M		TH35	TN35
264.0150.M0	1,5	0,05	0,05	18	4	264010058N		Δ	▲
264.0200.M0	2	0,05	0,05	18	4	264020058N		Δ	▲
264.0250.M0	2,5	0,1	0,1	18	4	264030058N		Δ	▲
264.0300.M0	3	0,1	0,1	18	4	264040058N		Δ	Δ
							P	-	●
							M	-	-
							K	-	-
							N	-	-
							S	-	-
							H	-	-

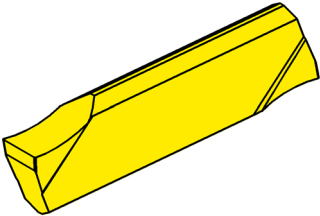
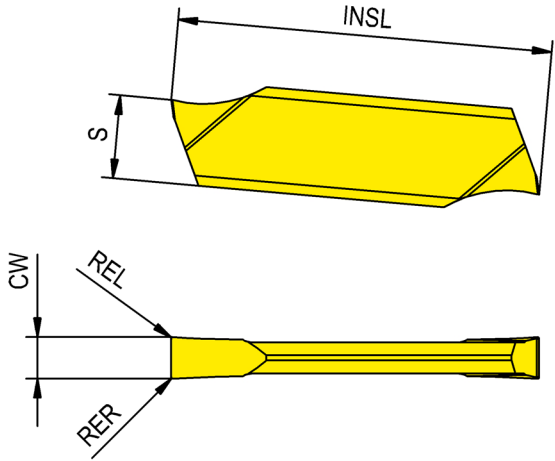
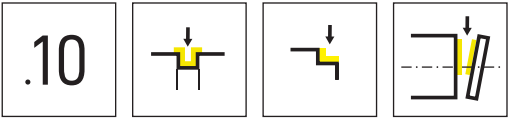


Sorten
Grades

▲ ab Lager
▲ on stock

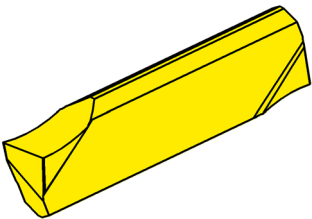
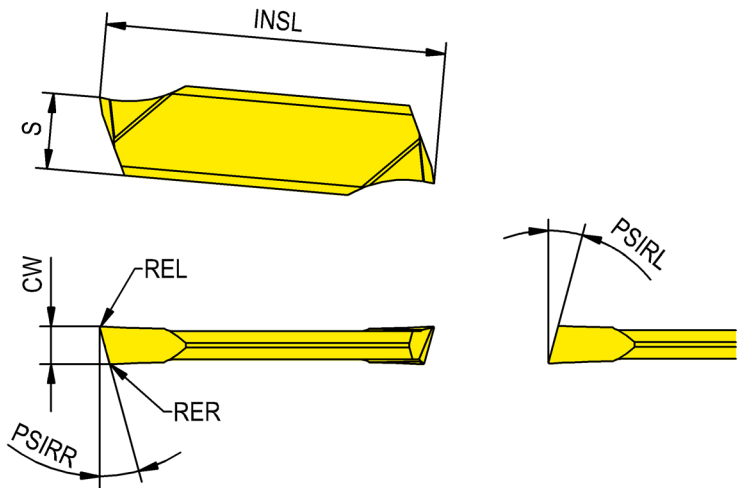
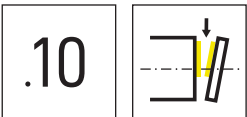
Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	PSIRL	PSIRR	INSL	S	Trennstelle M Interface M	TN35
R264.0815.M0	1,5	0,05	0,05	-	8°	18	4	264010058N	▲
R264.0820.M0	2	0,05	0,05	-	8°	18	4	264020058N	▲
R264.0825.M0	2,5	0,1	0,1	-	8°	18	4	264030058N	Δ
R264.1515.M0	1,5	0,05	0,05	-	15°	18	4	264010058N	▲
R264.1520.M0	2	0,05	0,05	-	15°	18	4	264020058N	Δ
R264.1525.M0	2,5	0,1	0,1	-	15°	18	4	264030058N	▲
R264.1530.M0	3	0,1	0,1	-	15°	18	4	264040058N	▲
L264.0815.M0	1,5	0,05	0,05	8°	-	18	4	264010058N	▲
L264.0820.M0	2	0,05	0,05	8°	-	18	4	264020058N	Δ
L264.0825.M0	2,5	0,1	0,1	8°	-	18	4	264030058N	Δ
L264.1515.M0	1,5	0,05	0,05	15°	-	18	4	264010058N	Δ
L264.1520.M0	2	0,05	0,05	15°	-	18	4	264020058N	Δ
L264.1525.M0	2,5	0,1	0,1	15°	-	18	4	264030058N	Δ
L264.1530.M0	3	0,1	0,1	15°	-	18	4	264040058N	Δ
								P	●-
								M	-
								K	-
								N	-
								S	-
								H	-



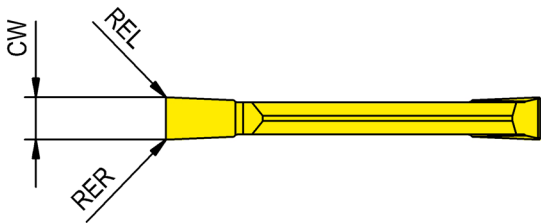
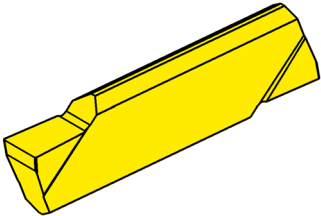
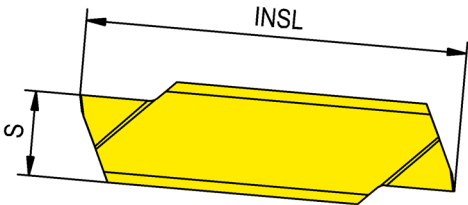
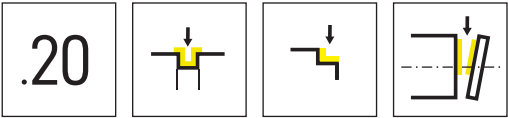
Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	TN35
264.0150.10	1,5	0,05	0,05	18	4	264010058N	▲
264.0200.10	2	0,05	0,05	18	4	264020058N	▲
264.0250.10	2,5	0,1	0,1	18	4	264030058N	▲
264.0300.10	3	0,1	0,1	18	4	264040058N	▲
							P ●
							M -
							K -
							N -
							S -
							H -



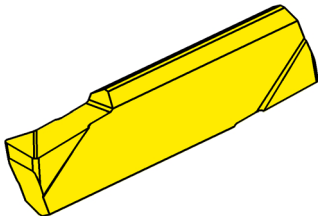
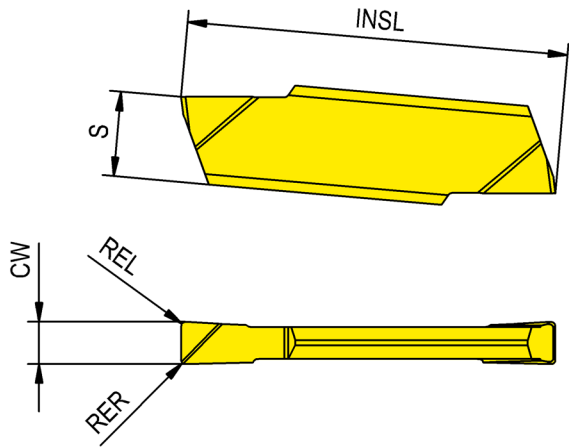
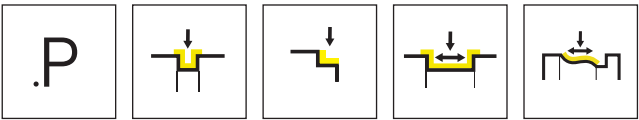
Sorten	
Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	PSIRL	PSIRR	INSL	S	Trennstelle M Interface M	MG12	TN35
R264.0815.10	1,5	0,05	0,05	-	8°	18	4	264010058N	▲	▲
R264.0820.10	2	0,05	0,05	-	8°	18	4	264020058N	▲	▲
R264.0825.10	2,5	0,1	0,1	-	8°	18	4	264030058N	Δ	▲
R264.0830.10	3	0,1	0,1	-	8°	18	4	264040058N	Δ	Δ
R264.1515.10	1,5	0,05	0,05	-	15°	18	4	264010058N	▲	▲
R264.1520.10	2	0,05	0,05	-	15°	18	4	264020058N	▲	▲
R264.1525.10	2,5	0,1	0,1	-	15°	18	4	264030058N	Δ	▲
R264.1530.10	3	0,1	0,1	-	15°	18	4	264040058N	Δ	▲
L264.0815.10	1,5	0,05	0,05	8°	-	18	4	264010058N	Δ	▲
L264.0820.10	2	0,05	0,05	8°	-	18	4	264020058N	Δ	▲
L264.0825.10	2,5	0,1	0,1	8°	-	18	4	264030058N	Δ	Δ
L264.0830.10	3	0,1	0,1	8°	-	18	4	264040058N	Δ	Δ
L264.1515.10	1,5	0,05	0,05	15°	-	18	4	264010058N	Δ	▲
L264.1520.10	2	0,05	0,05	15°	-	18	4	264020058N	Δ	▲
L264.1525.10	2,5	0,1	0,1	15°	-	18	4	264030058N	Δ	Δ
L264.1530.10	3	0,1	0,1	15°	-	18	4	264040058N	Δ	▲
									P	●-●
									M	●- -
									K	- -
									N	- -
									S	- -
									H	- -



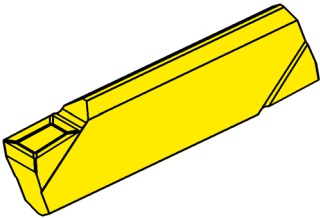
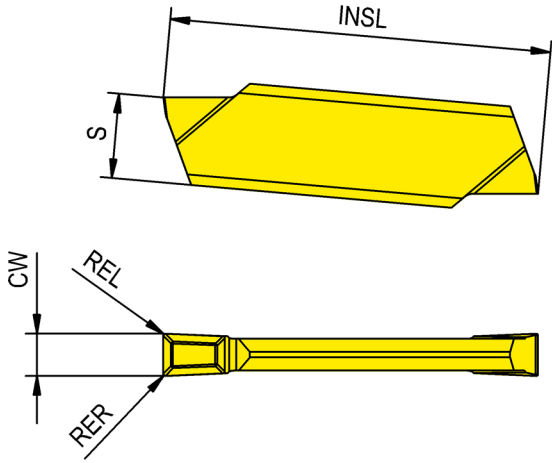
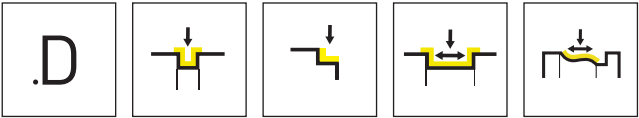
Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	TN35
264.0150.20	1,5	0,05	0,05	18	4	264010058N	▲
264.0200.20	2	0,05	0,05	18	4	264020058N	▲
264.0250.20	2,5	0,1	0,1	18	4	264030058N	▲
264.0300.20	3	0,1	0,1	18	4	264040058N	▲
							P ●
							M -
							K ●
							N -
							S -
							H -



Sorten
Grades
▲ ab Lager
▲ on stock
Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INS L	S	Trennstelle M Interface M		T125	TN35
R264.0150.P0	1,5	0,05	0,05	18	4	264010058N	▲	▲	▲
R264.0200.P0	2	0,05	0,05	18	4	264020058N	▲	▲	▲
R264.0200.P2	2	0,2	0,2	18	4	264020058N			Δ
R264.0250.P0	2,5	0,1	0,1	18	4	264030058N	Δ	▲	▲
R264.0250.P2	2,5	0,2	0,2	18	4	264030058N			Δ
R264.0300.P0	3	0,1	0,1	18	4	264040058N	▲	▲	▲
R264.0300.P2	3	0,2	0,2	18	4	264040058N			Δ
L264.0150.P0	1,5	0,05	0,05	18	4	264010058N	Δ	▲	▲
L264.0200.P0	2	0,05	0,05	18	4	264020058N	▲		
L264.0200.P2	2	0,2	0,2	18	4	264020058N			Δ
L264.0300.P0	3	0,1	0,1	18	4	264040058N			Δ
							P	●	●
							M	●	-
							K	-	-
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							S	-	-
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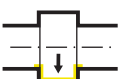
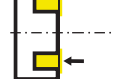


Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

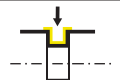
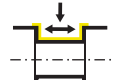
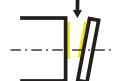
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S264.0200.D1	2	0,05	0,05	18	4	264020058N	▲
S264.0250.D1	2,5	0,1	0,1	18	4	264030058N	▲
S264.0300.D1	3	0,1	0,1	18	4	264040058N	▲
							P ●
							M -
							K -
							N -
							S -
							H -

Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 28	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,1-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						
														

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 6,95	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,1-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
		•					•	•						
							•	•	•					

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B11



Klemmhalter und Schneidplatten

Stechbreite 0,5 - 1,5 mm

Toolholder and Inserts

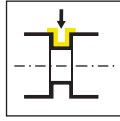
Width of groove 0,5 - 1,5 mm

Inhaltsangabe

Summary

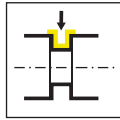
B11

Klemmhalter
Toolholder
H271

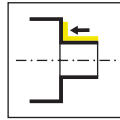


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334, 339

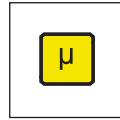
Wendeschneidplatte
Indexable insert
S271



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335, 340



Seite/Page
336, 341



Seite/Page
337-338, 342-343

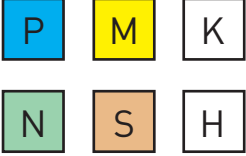
Hartmetall-Rohling
Carbide Blank
S271

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Technische Hinweise
Technical Instructions

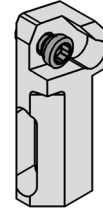
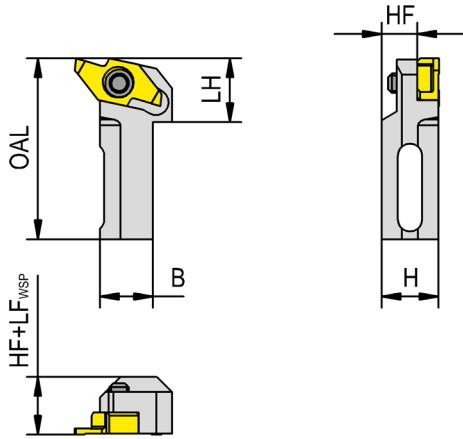
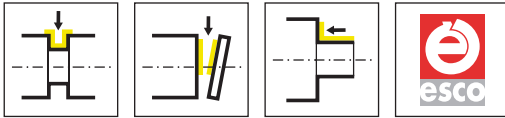
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Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]
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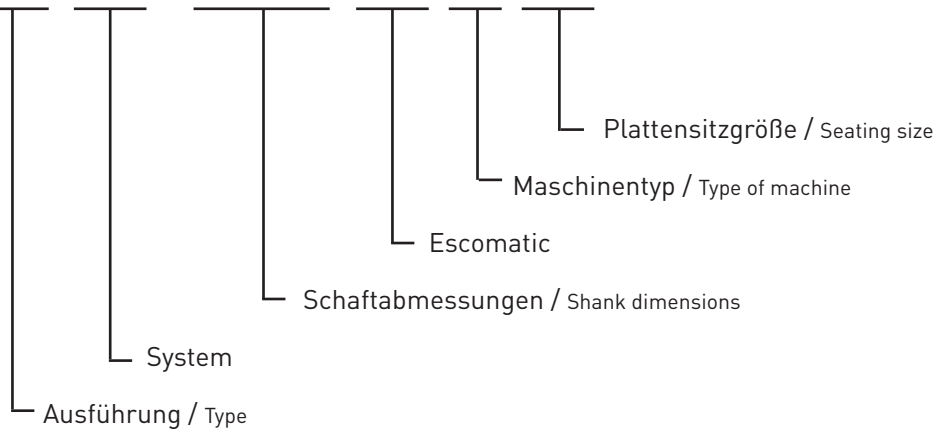
↓ 0,002-0,01
↔ 0,002-0,02

B11



Artikelnummer Part number	H	B	OAL	H	HF	Trennstelle W Interface W
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RH271.0000.ES.N.03



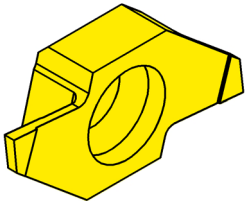
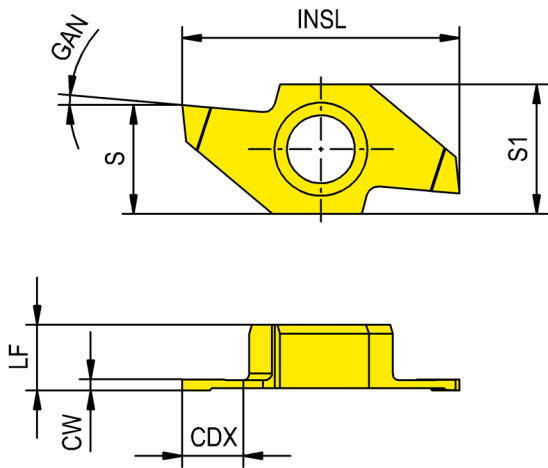
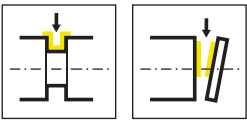


Abbildung = rechtsschneidend
Picture = right hand cutting version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	LF	GAN	INSL	S	S1	Trennstelle M Interface M	ES15
RS271.0005.N.00.R	0,5	3,5	2,9	5°	12,2	4,8	5,7	271041000R	▲
RS271.0008.N.00.R	0,8	3,5	2,9	5°	12,2	4,8	5,7	271041000R	▲
RS271.0010.N.00.R	1	3,5	2,9	5°	12,2	4,8	5,7	271041000R	▲
RS271.0012.N.00.R	1,2	3,5	2,9	5°	12,2	4,8	5,7	271041000R	▲
RS271.0015.N.00.R	1,5	3,5	2,9	5°	12,2	4,8	5,7	271041000R	▲
									P ●
									M -
									K -
									N -
									S o
									H -

B11

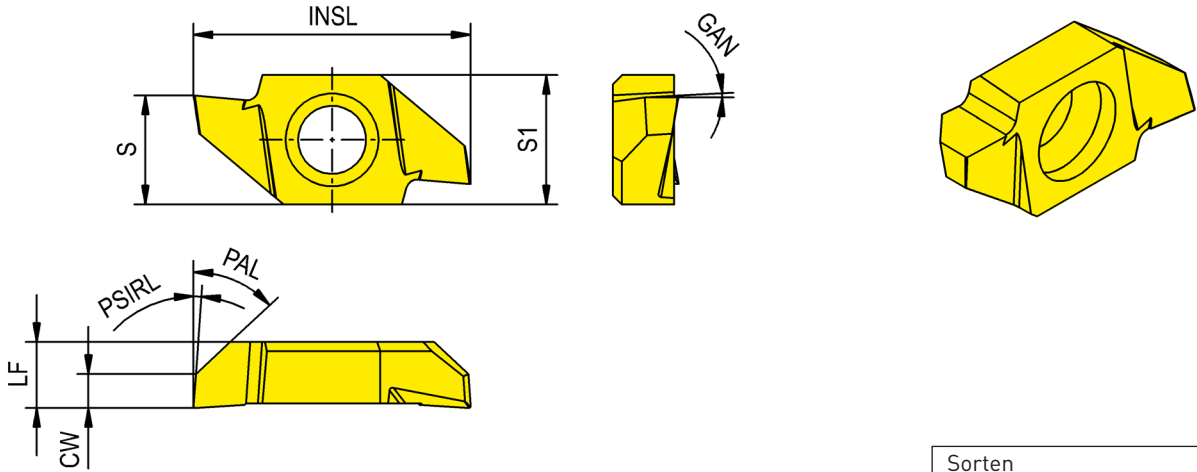
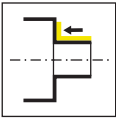


Abbildung = rechtsschneidend
Picture = right hand cutting version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	PSIRL	PAL	LF	GAN	INSL	S	S1	Trennstelle M Interface M	ES15
RS271.1547.N.00.05	1,5	4°	47°	2,9	3°	12,2	4,8	5,7	271041000R	▲
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										S o
										H -

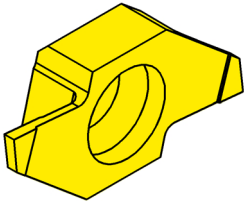
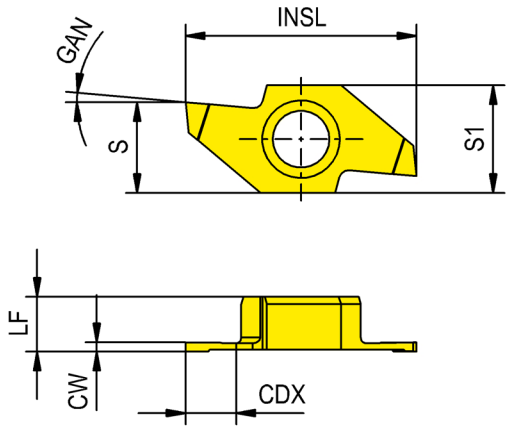
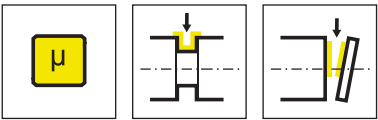


Abbildung = rechtsschneidend
Picture = right hand cutting version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	LF	GAN	INS�	S	S1	Trennstelle M Interface M	ES15
RS271.0005.N.SF.R	0,5	3,5	2,9	5°	12,2	4,8	5,7	271041000R	▲
RS271.0008.N.SF.R	0,8	3,5	2,9	5°	12,2	4,8	5,7	271041000R	▲
RS271.0010.N.SF.R	1	3,5	2,9	5°	12,2	4,8	5,7	271041000R	▲
RS271.0012.N.SF.R	1,2	3,5	2,9	5°	12,2	4,8	5,7	271041000R	▲
RS271.0015.N.SF.R	1,5	3,5	2,9	5°	12,2	4,8	5,7	271041000R	▲
									P ●
									M -
									K -
									N -
									S o
									H -

B11

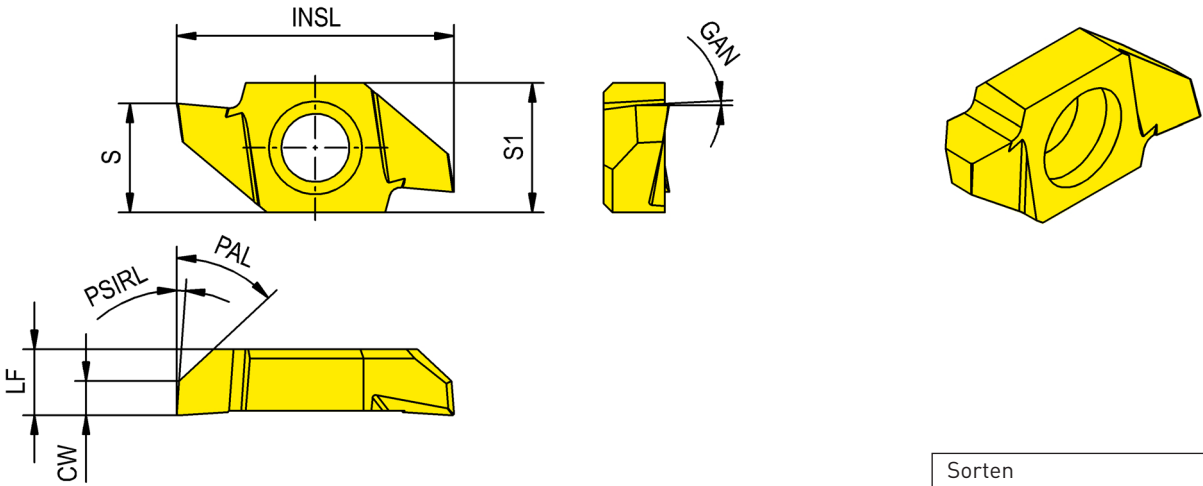
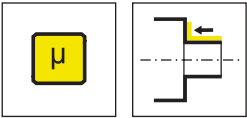
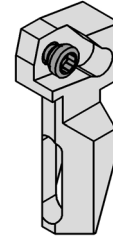
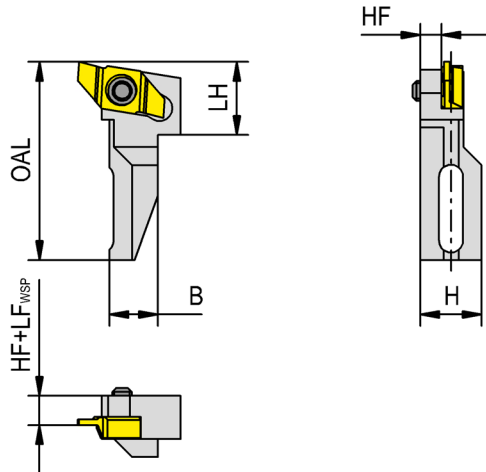
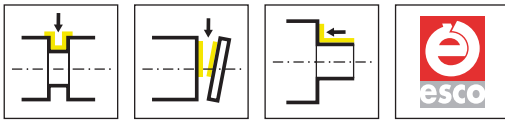


Abbildung = rechtsschneidend
Picture = right hand cutting version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

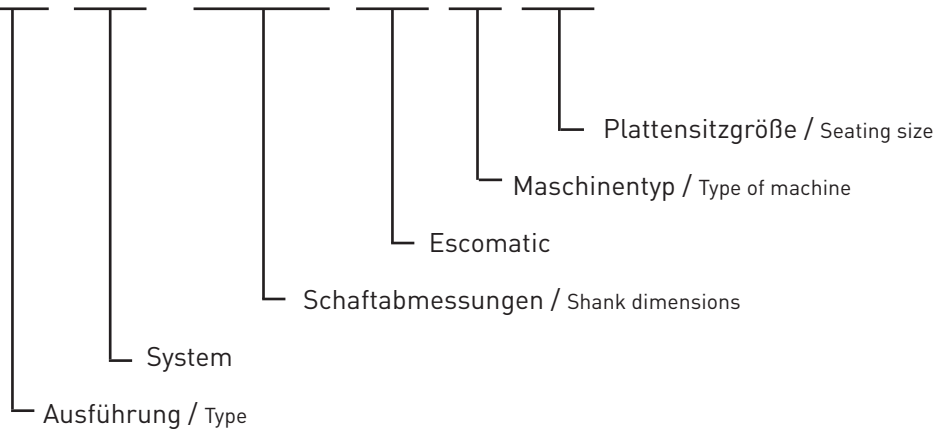
Artikelnummer Part number	CW	PSIRL	PAL	LF	GAN	INSL	S	S1	Trennstelle M Interface M	ES15
RS271.1547.N.SF.R	1,5	4°	47°	2,9	3°	12,2	4,8	5,7	271041000R	▲
	P	●								
	M	-								
	K	-								
	N	-								
	S	o								
	H	-								



Artikelnummer Part number	H	B	OAL	H	HF	Trennstelle W Interface W
RH271.0000.ES.D.03	8,1	6,4	26,15	9,65	2,8	271041000R

für escomatic-Maschinen D und Grundhalter D2-R-M1414-2
for machines escomatic D and basic holder D2-R-M1414-2

RH271.0000.ES.D.03



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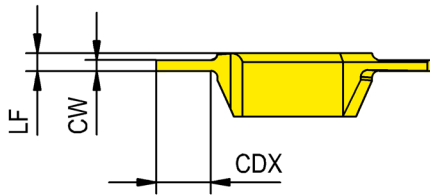
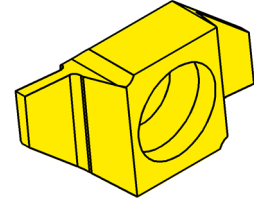
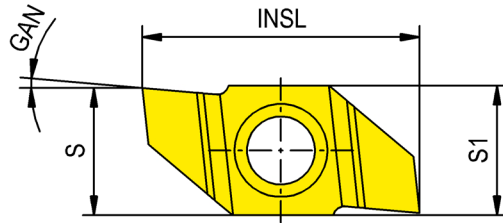
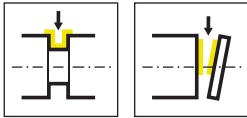


Abbildung = rechtsschneidend
Picture = right hand cutting version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	LF	GAN	INSL	S	S1	Trennstelle M Interface M	ES15
RS271.0005.D.00.L	0,5	2,3	0,8	5°	12,2	5,6	5,7	271041000R	▲
RS271.0008.D.00.L	0,8	2,3	1,1	5°	12,2	5,6	5,7	271041000R	▲
RS271.0010.D.00.L	1	2,3	1,3	5°	12,2	5,6	5,7	271041000R	▲
RS271.0012.D.00.L	1,2	2,3	1,5	5°	12,2	5,6	5,7	271041000R	▲
RS271.0015.D.00.L	1,5	2,3	1,8	5°	12,2	5,6	5,7	271041000R	▲
									P ●
									M -
									K -
									N -
									S o
									H -

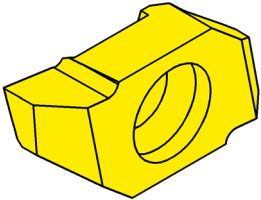
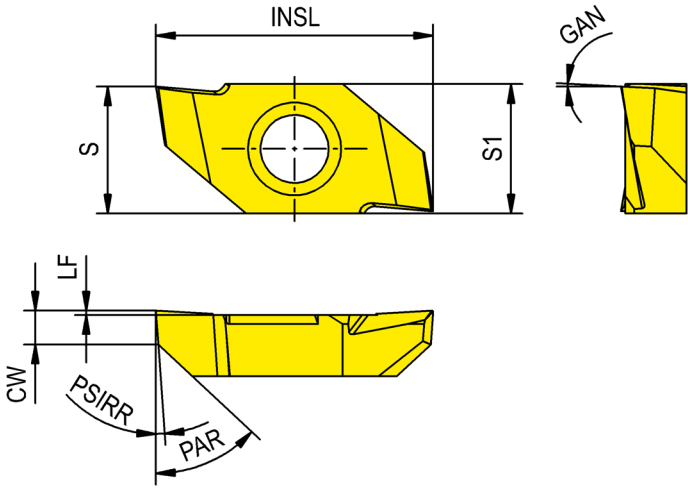
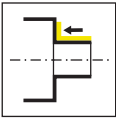


Abbildung = rechtsschneidend
Picture = right hand cutting version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	PSIRR	PAR	LF	GAN	INSL	S	S1	Trennstelle M Interface M	ES15
RS271.1547.D.00.05	1,5	4°	47°	0,2	3°	12,2	5,6	5,7	271041000R	▲
										P ●
										M -
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										H -

B11

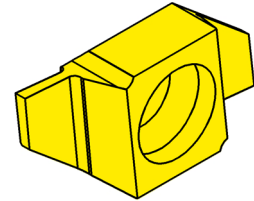
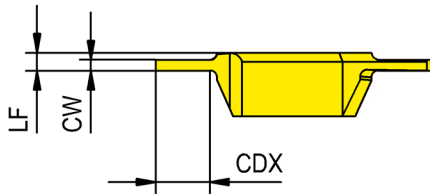
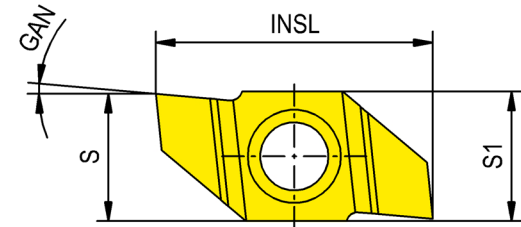
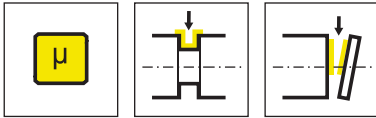


Abbildung = rechtsschneidend
Picture = right hand cutting version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	LF	GAN	INSL	S	S1	Trennstelle M Interface M	ES15
RS271.0005.D.SF.L	0,5	2,3	0,8	5°	12,2	5,6	5,7	271041000R	▲
RS271.0008.D.SF.L	0,8	2,3	1,1	5°	12,2	5,6	5,7	271041000R	▲
RS271.0010.D.SF.L	1	2,3	1,3	5°	12,2	5,6	5,7	271041000R	▲
RS271.0012.D.SF.L	1,2	2,3	1,5	5°	12,2	5,6	5,7	271041000R	▲
RS271.0015.D.SF.L	1,5	2,3	1,8	5°	12,2	5,6	5,7	271041000R	▲
								P	●
								M	-
								K	-
								N	-
								S	o
								H	-

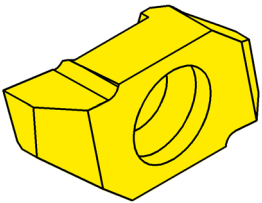
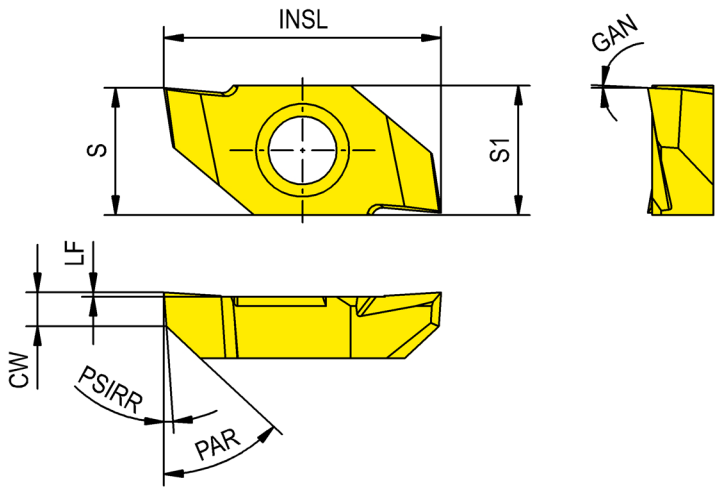
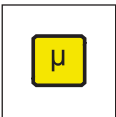
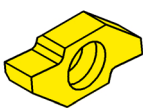
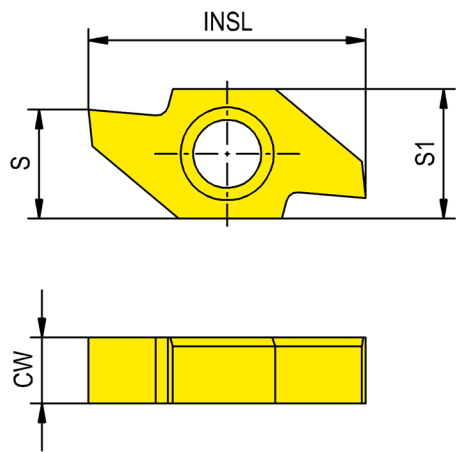


Abbildung = rechtsschneidend
Picture = right hand cutting version

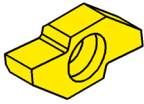
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	PSIRR	PAR	LF	GAN	INSL	S	S1	Trennstelle M Interface M	ES15
RS271.1547.D.SF.L	1,5	4°	47°	0,2	3°	12,2	5,6	5,7	271041000R	▲
										P ●
										M -
										K -
										N -
										S o
										H -

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.D.00



.N.00

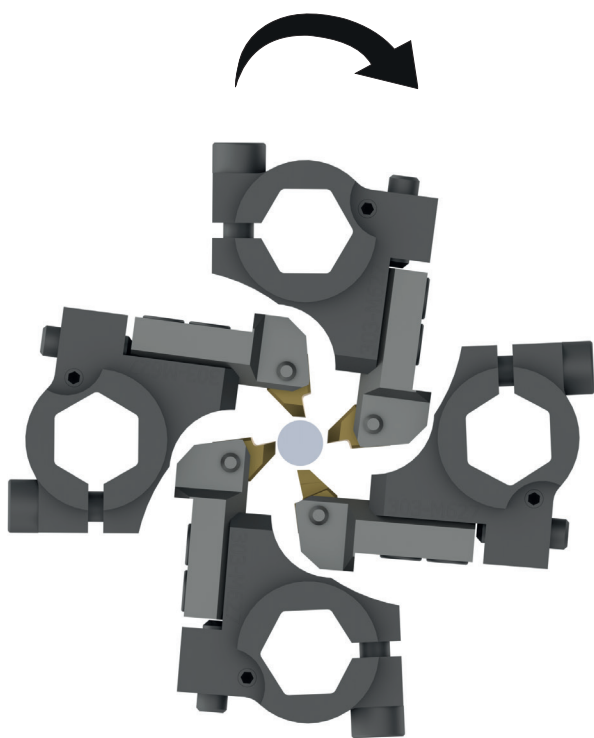
R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

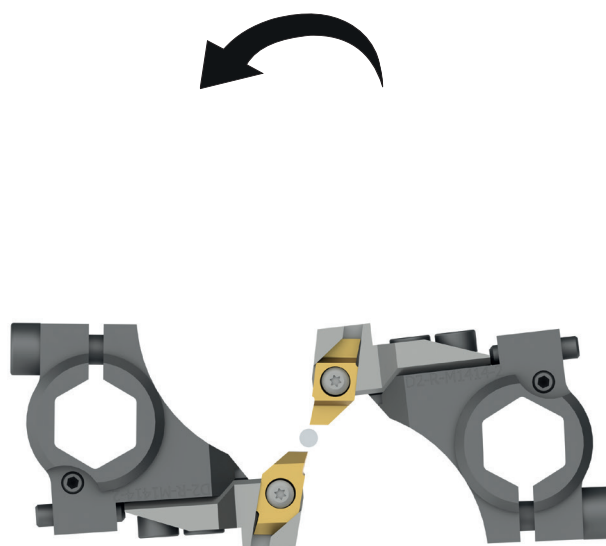
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RS271.0000.N.00	2,9	3,5	5°	12,2	4,8	5,7	271041000R	▲
							P	●
							M	-
							K	-
							N	-
							S	o
							H	-



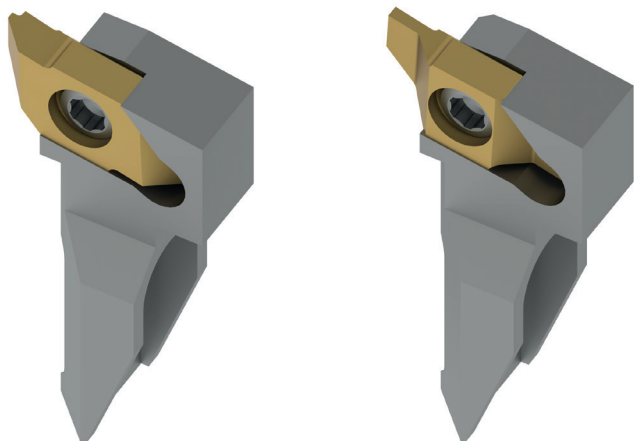
escomatic-Maschine NM
Machine escomatic NM



escomatic-Maschine D
Machine escomatic D

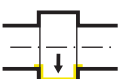
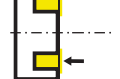


Sonderwerkzeuge sind auf Anfrage möglich.
Special tools are available on request.

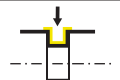
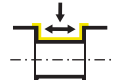
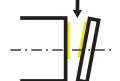


Kapitel Chapter	A		B											
	A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
System System	100	117	209	216	217	223	224	229	231	234	262	264	271	274

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 16	≥ 20	≥ 20	≥ 18	≥ 28	≥ 38	≥ 75					
CW			2-3	2-6	0,5-5,3	1,1-3	2-6	2,5-10	2,5-7					
			•	•	•	•	•	•	•					
			•	•		•	•	•						
			•	•		•	•	•						
														

Außenbearbeitung / External Grooving

CDX	≤ 55	≤ 10			≤ 4,7	≤ 11	≤ 32,5	≤ 25	≤ 11	≤ 33	≤ 6,95	≤ 16	≤ 3,5	≤ 6
CW	1,2-16	6-45			0,5-5,3	1,1-3	2-6	2,5-10	2,5-7	2-3	0,025-2	1,5-3	0,5-1,5	0,5-7
	•				•	•	•	•	•	•	•	•	•	•
	•					•	•	•			•	•		•
	•					•	•	•		•	•	•	•	•
							•	•	•			•		•
		•					•	•						
							•	•	•					

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Klemmhalter und Schneidplatten

Stechbreite 0,5 - 7 mm
Stechtiefe bis 6,5 mm

Toolholder and Inserts

Width of groove 0,5 - 7 mm
Depth of groove up to 6,5 mm

Inhaltsangabe

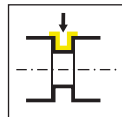
Summary

Geometrien und Vor-
schübe
Geometries and feed rates

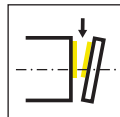
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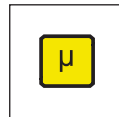
Klemmhalter
Toolholder
H274/RHC274/H274...E/
H274...SF



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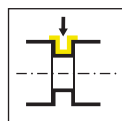


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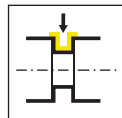
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Klemmhalter Graf
Toolholder Graf
974



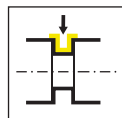
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Einbauhalter
Cartridge
KT274/KTC274



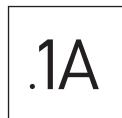
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Einbauhalter Graf
Cartridge Graf
76



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Wendeschneidplatte
Indexable insert
S274/E274/S274...E/
S274...SF
S274...SF.R



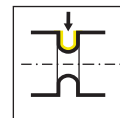
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383



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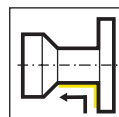
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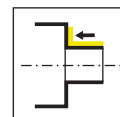
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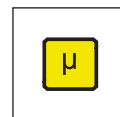
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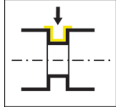
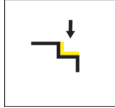
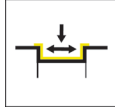
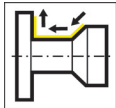
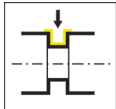
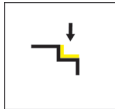
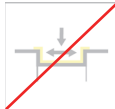
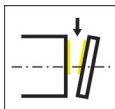
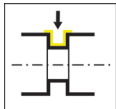
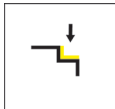
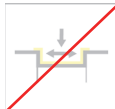
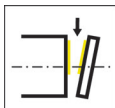
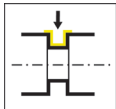
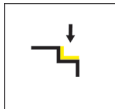
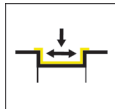
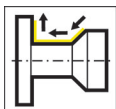
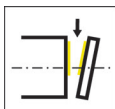
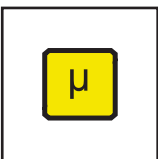
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371, 389



Seite/Page
372-373, 390,
394



Seite/Page
400-406

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,02-0,08 ↔ 0,02-0,04	    
	P M K N S H	↓ 0,05-0,15	    
	P M K N S H	↓ 0,07-0,25	    
	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	    
	P M K N S H	↓ 0,002-0,01 ↔ 0,002-0,02	

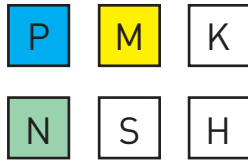
Geometrie
Geometry

Werkstoff
Material

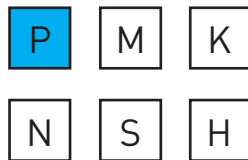
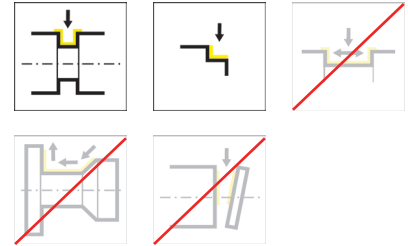
Vorschubbereich f [mm/U]
Feed rate f [mm/rev]

Bearbeitung
Machining

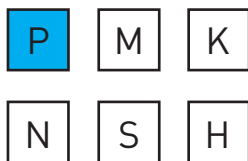
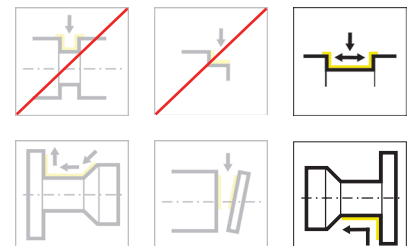
B12



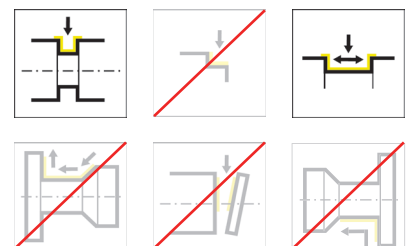
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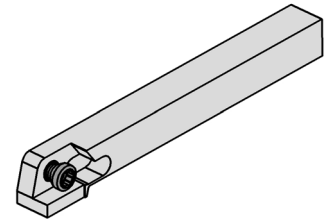
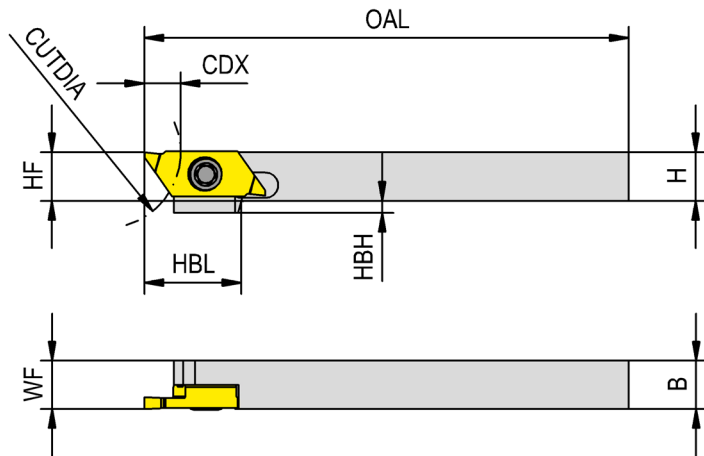
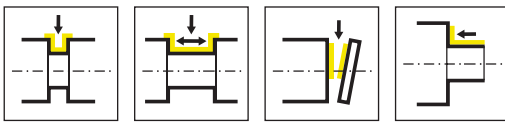


0,03-0,12



0,03-0,12





B12

R = rechts wie gezeichnet
R = right hand version shown

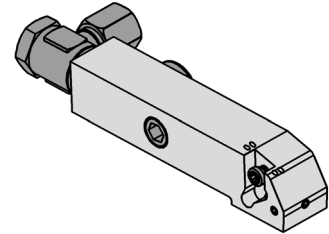
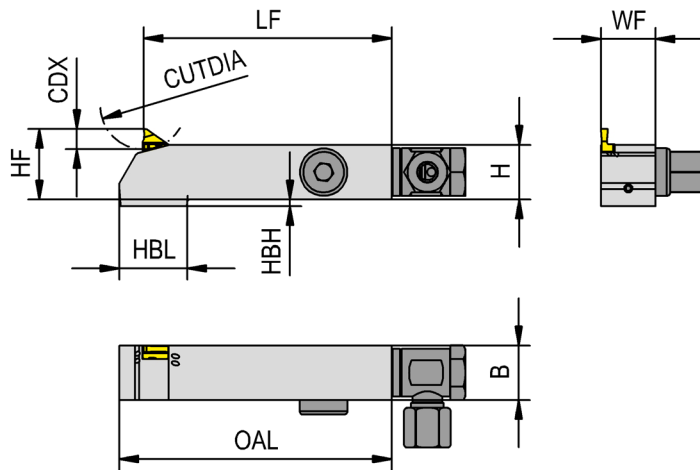
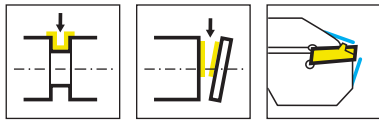
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	HBL	HBH	WF	HF	Trennstelle W Interface W
RH274.0808.04	6	25	8	8	100	16	2	8	8	274040000R
RH274.1010.04	6	25	10	10	100	-	-	10	10	274040000R
RH274.1212.04	6	25	12	12	100	-	-	12	12	274040000R
RH274.1414.04	6	25	14	14	100	-	-	14	14	274040000R
RH274.1616.04	6	25	16	16	125	-	-	16	16	274040000R
RH274.2020.04	6	25	20	20	125	-	-	20	20	274040000R
RH274.2525.04	6	25	25	25	125	-	-	25	25	274040000R
LH274.0808.04	6	25	8	8	100	16	2	8	8	274040000L
LH274.1010.04	6	25	10	10	100	-	-	10	10	274040000L
LH274.1212.04	6	25	12	12	100	-	-	12	12	274040000L
LH274.1616.04	6	25	16	16	125	-	-	16	16	274040000L
LH274.2020.04	6	25	20	20	125	-	-	20	20	274040000L
LH274.2525.04	6	25	25	25	125	-	-	25	25	274040000L

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH274.0808.04	030.350P.0744	T15PQ
R/LH274...	030.3509.T15P	T15PQ



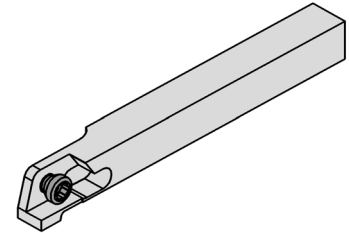
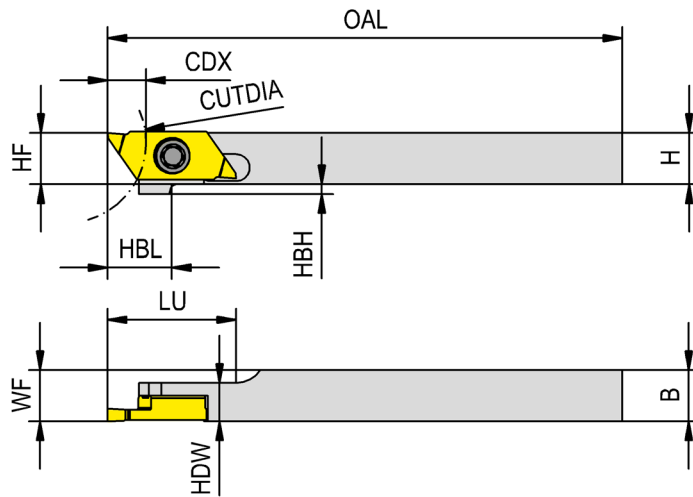
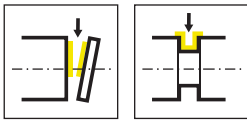
L = links wie gezeichnet
L = left hand version shown

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LF	HBL	HBH	WF	HF
LH274.1010.3.Y.6.24.IK	6	25	10	10	80	73	20	8	10	14,7
LH274.1010.4.Y.6.24.IK	6	25	10	10	100	93	20	8	10	14,7
LH274.1212.3.Y.6.24.IK	6	25	12	12	80	73	20	6	12	16,7
LH274.1212.4.Y.6.24.IK	6	25	12	12	100	93	20	6	12	16,7
LH274.1616.3.Y.6.24.IK	6	25	16	16	80	73	20	2	16	20,7
LH274.1616.4.Y.6.24.IK	6	25	16	16	100	93	20	2	16	20,7

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
LH274....	004.00.22	030.3509.T15P	T15PQ	
LH274.1616...	004.00.16	030.3509.T15P	T15PQ	004.00.26



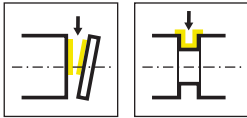
B12

R = rechts wie gezeichnet
R = right hand version shown

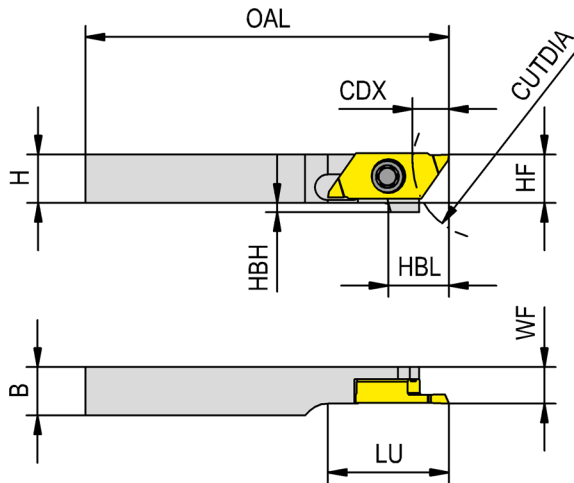
Artikelnummer Part number	CDX	LU	CUTDIA	H	B	OAL	HBL	HDW	HBH	WF	HF	Trennstelle W Interface W
RH274.0808.6.04	6	20	25	8	8	100	10	6	1,5	8	8	274040000R
RH274.1010.6.04	6	20	25	10	10	100	-	6	-	10	10	274040000R
RH274.1212.6.04	6	20	25	12	12	100	-	6	-	12	12	274040000R

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RH274...	030.350P.0981	T15PQ



B12

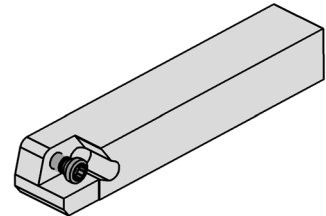
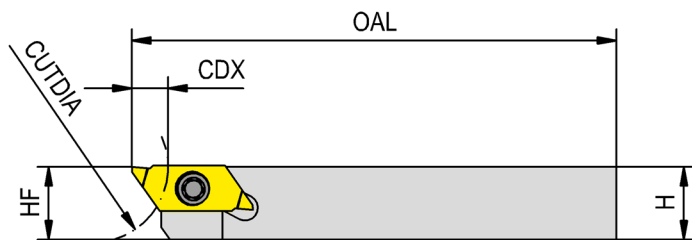
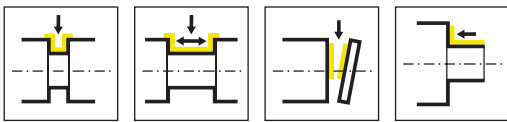


L = links wie gezeichnet
L = left hand version shown

Artikelnummer Part number	CDX	LU	CUTDIA	H	B	OAL	HBL	HBH	WF	HF	Trennstelle W Interface W
LH274.0808.6.04.M	6	20	25	8	8	100	10	1,5	6	8	274040000L
LH274.1010.6.04.M	6	20	25	10	10	100	-	-	6	10	274040000L
LH274.1212.6.04.M	6	20	25	12	12	100	-	-	6	12	274040000L

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LH274...	030.350P.0981	T15PQ



B12



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	WF	HF	Trennstelle W Interface W
RH274.1214.07	6	25	12	14	100	14	12	274070000R
LH274.1214.07	6	25	12	14	100	14	12	274070000L

Klemmhalter für Sonderbreiten bzw. Formplatten
Toolholder for special widths resp. special insert shapes

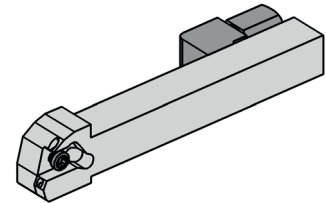
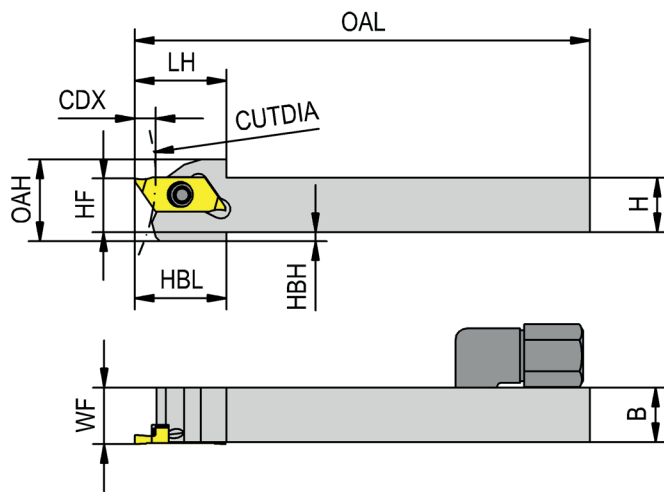
Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH274.1214.07	030.3513.T15P	T15PQ



B12



R = rechts wie gezeichnet
R = right hand version shown

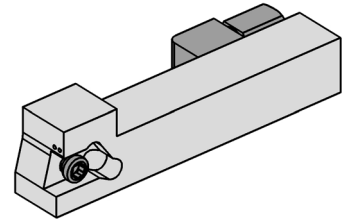
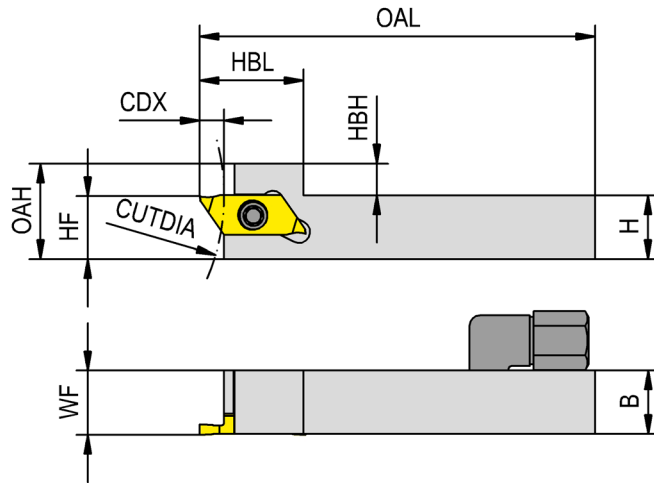
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
974.L.0810.04.2IK	6	36	8	10	100	20	20	15	3	10,2	8	274040000L
974.L.1012.04.2IK	6	36	10	12	100	20	20	17,5	3,5	12,2	10	274040000L
974.L.1212.04.2IK	6	36	12	12	100	20	20	18	2	12,2	12	274040000L
974.L.1616.04.2IK	6	36	16	16	100	20	20	22	2	16,2	16	274040000L
974.L.2020.04.2IK	6	36	20	20	100	20	20	26	2	20,2	20	274040000L
974.R.0810.04.2IK	6	36	8	10	100	20	20	15	3	10,2	8	274040000R
974.R.1012.04.2IK	6	36	10	12	100	20	20	17,5	3,5	12,2	10	274040000R
974.R.1212.04.2IK	6	36	12	12	100	20	20	18	2	12,2	12	274040000R
974.R.1616.04.2IK	6	36	16	16	100	20	20	22	2	16,2	16	274040000R
974.R.2020.04.2IK	6	36	20	20	100	20	20	26	2	20,2	20	274040000R

Regulierung des Kühlmittelstroms an die Schneide.
Regulation of the coolant supply to the cutting edge.

Regulierung des Kühlmittelstroms an die Schneide.
Regulation of the coolant supply to the cutting edge.



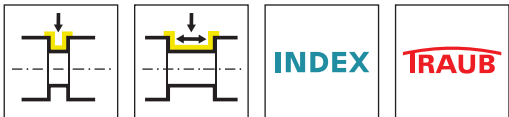


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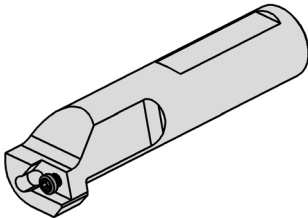
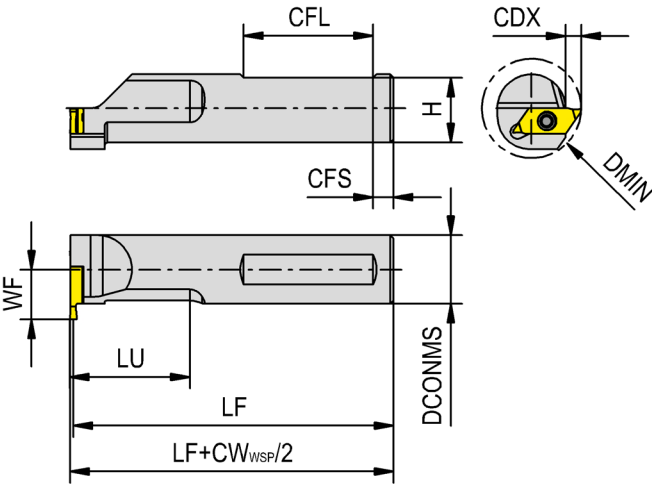
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	WF	HF	Trennstelle W Interface W
974.L.1012.04.IK	6	36	10	12	100	12	10	274040000L
974.L.1212.04.IK	6	36	12	12	100	12	12	274040000L
974.L.1616.04.IK	6	36	16	16	100	16	16	274040000L
974.L.2020.04.IK	6	36	20	20	100	20	20	274040000L
974.R.1012.04.IK	6	36	10	12	100	12	10	274040000R
974.R.1212.04.IK	6	36	12	12	100	12	12	274040000R
974.R.1616.04.IK	6	36	16	16	100	16	16	274040000R
974.R.2020.04.IK	6	36	20	20	100	20	20	274040000R



B12

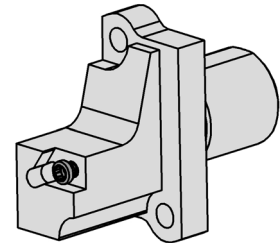
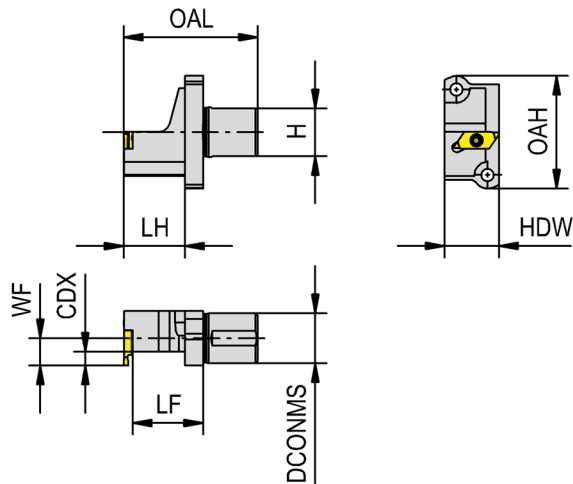
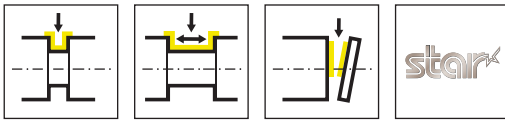


R = rechts wie gezeichnet
R = right hand version shown

Artikelnummer Part number	CDX	LU	DCONMS	H	LF	CFL	CFS	WF	Trennstelle W Interface W
RHC274.0020.1.04	6	1	20	19	95	38	6	14,6	274040000L

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RHC274.0020.1.04	030.3509.T15P	T15PQ



B12

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

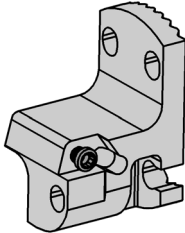
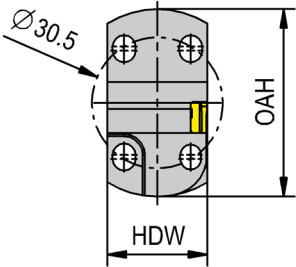
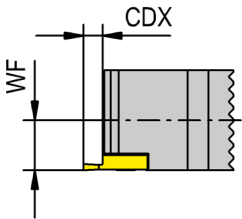
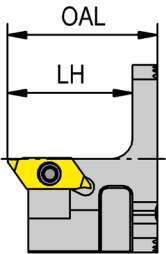
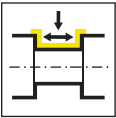
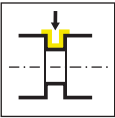
Artikelnummer Part number	CDX	DCONMS	LF	OAL	WF	Trennstelle W Interface W
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RH274.A022.12.04	6	22	35	59	12	274040000L
RH274.A022.16.04	6	22	35	59	16	274040000L
LH274.A022.09.04	6	22	35	59	9	274040000R

für Star Langdrehautomaten
for Swiss type machines Star

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH274...	030.3513.T15P	T15PQ



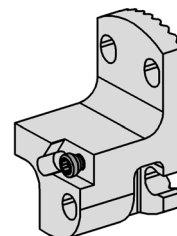
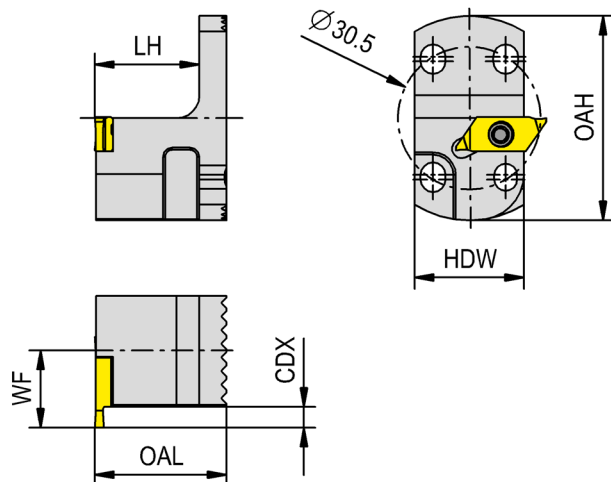
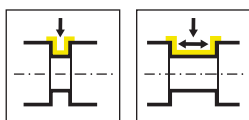
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	OAH	OAL	WF	Trennstelle W Interface W	Trennstelle M Interface M
RKT274.2445.04	6	45	36	12	274040000R • 274040000L	KERB305135
LKT274.2445.04	6	45	36	12	274040000L • 274040000R	KERB305135

Ersatzteile
Spare Parts

Einbauhalter Cartridge	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LKT274.2445.04	030.3509.T15P	T15PQ



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R = rechts wie gezeichnet

R = right hand version shown

Artikelnummer Part number	CDX	OAH	OAL	WF	Trennstelle W Interface W	Trennstelle M Interface M
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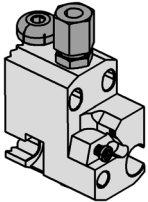
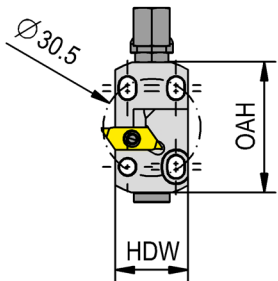
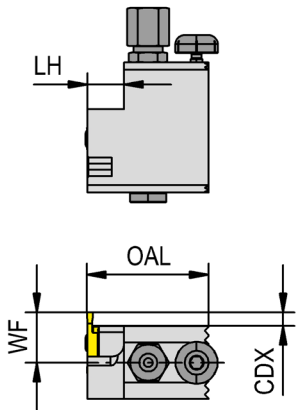
Ersatzteile

Spare Parts

Einbauhalter Cartridge	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RKTC274.2445.04	030.3509.T15P	T15PQ



B12

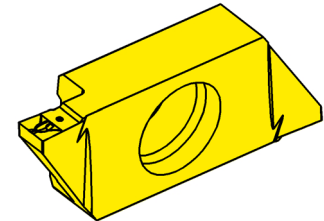
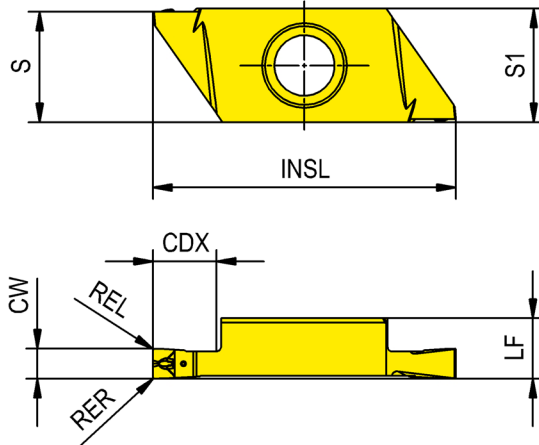
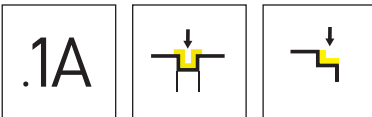


R = rechts wie gezeichnet
R = right hand version shown

Artikelnummer Part number	CDX	OAL	LH	OAH	WF	HDW	Trennstelle M Interface M
R.76.IK	4,5	40,2	12	45	16,6	24	KERB305135

Ersatzteile
Spare Parts

Einbauhalter Graf Cartridge Graf	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R.76.IK	004.00.19	030.3509.T15P	T15PQ



B12

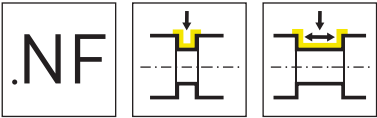
R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

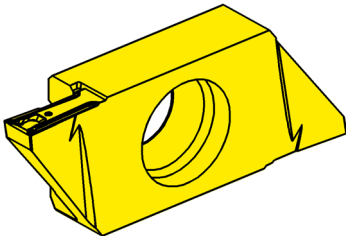
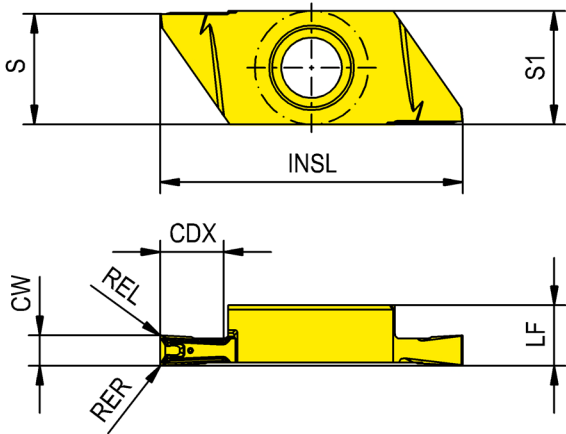
Artikelnummer Part number	CW	CDX	REL	RER	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
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RS274.0060.2.1A.10	0,6	2	0,1	0,1	4	20	7,3	7,5	274040000R	▲	▲
RS274.0080.3.1A.05	0,8	3	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0080.3.1A.10	0,8	3	0,1	0,1	4	20	7,3	7,5	274040000R	▲	▲
RS274.0100.3.1A.05	1	3	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0100.3.1A.10	1	3	0,1	0,1	4	20	7,3	7,5	274040000R	▲	▲
RS274.0150.4.1A.05	1,5	4	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0150.4.1A.10	1,5	4	0,1	0,1	4	20	7,3	7,5	274040000R	▲	▲
RS274.0150.6.1A.05	1,5	6	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0150.6.1A.10	1,5	6	0,1	0,1	4	20	7,3	7,5	274040000R	▲	▲
RS274.0200.4.1A.05	2	4	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0200.4.1A.10	2	4	0,1	0,1	4	20	7,3	7,5	274040000R	▲	▲
RS274.0200.6.1A.05	2	6	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0200.6.1A.10	2	6	0,1	0,1	4	20	7,3	7,5	274040000R	▲	▲
										P	●
										M	●
										K	o
										N	-
										S	-
										H	-

Wendeschneidplatte

Indexable insert



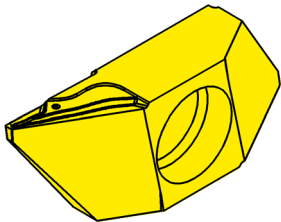
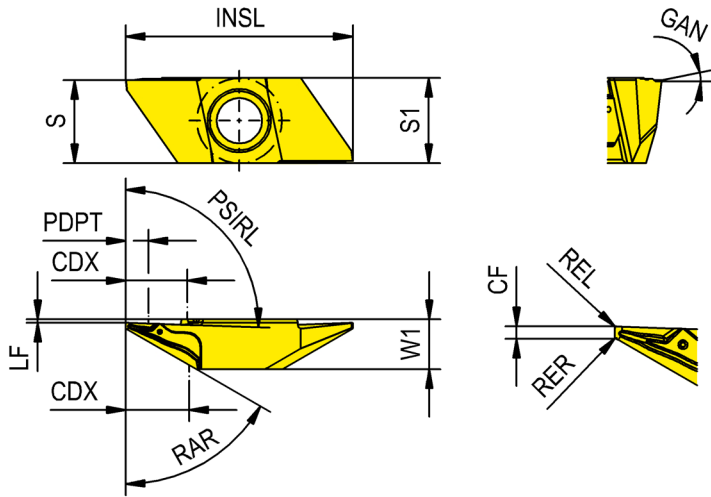
B12



R = rechts wie gezeichnet
R = right hand version shown

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

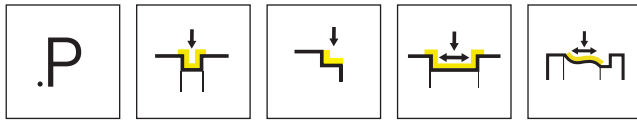
Artikelnummer Part number	CW	CDX	REL	RER	LF	INSL	S	S1	Trennstelle M Interface M		IG35	TH35
RS274.0200.4.NF.05	2	4	0,05	0,05	4	20	7,3	7,5	274040000R		▲	▲
RS274.0200.4.NF.10	2	4	0,1	0,1	4	20	7,3	7,5	274040000R		▲	▲
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										M	●	●
										K	-	-
										N	-	-
										S	-	-
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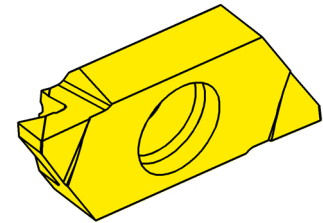
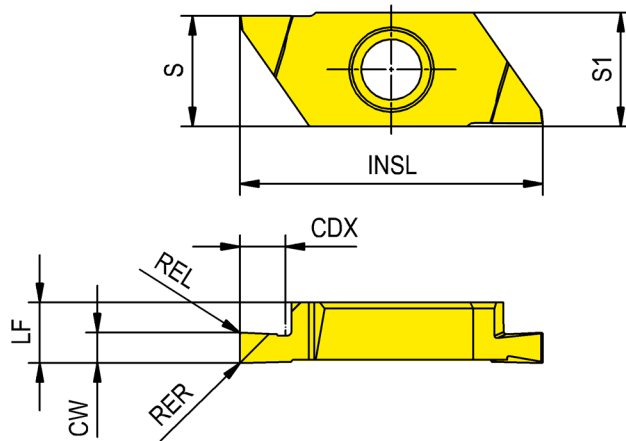
R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CF	CDX	REL	RER	PSIRL	PDPT	W1	LF	GAN	RAR	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0560.6.PR.05	0,5	6	0,05	0,05	92°	2	4,4	0,3	12°	60°	20	7,3	7,5	274040000R	▲	▲
	P	●	●													
	M	●	●													
	K	-	-													
	N	-	-													
	S	o	-													
	H	-	-													



B12

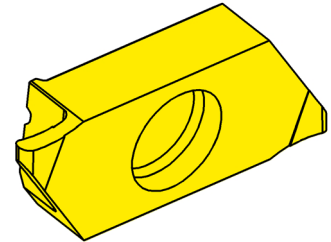
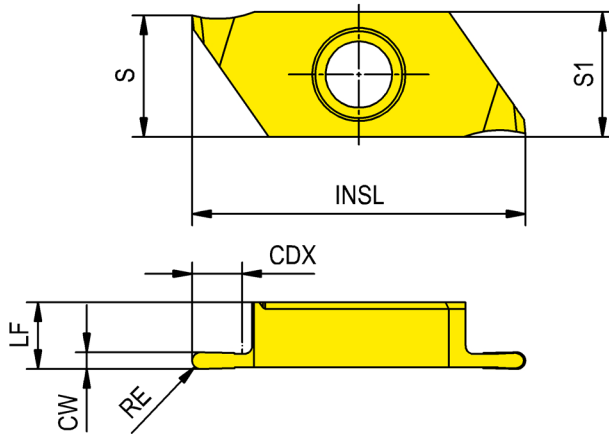
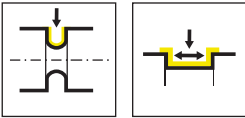


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0050.P0	0,5	1	-	-	4	20	7,3	7,5	274040000R	▲	▲
RS274.0100.P0	1	2	-	-	4	20	7,3	7,5	274040000R	▲	▲
RS274.0150.P0	1,5	2,25	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0200.P0	2	3	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0250.P0	2,5	3,75	0,1	0,1	4	20	7,3	7,5	274040000R	▲	▲
RS274.0300.P0	3	4,5	0,1	0,1	4	20	7,3	7,5	274040000R	▲	▲
LS274.0050.P0	0,5	1	-	-	4	20	7,3	7,5	274040000L	▲	▲
LS274.0100.P0	1	2	-	-	4	20	7,3	7,5	274040000L	▲	▲
LS274.0150.P0	1,5	2,25	0,05	0,05	4	20	7,3	7,5	274040000L	▲	▲
LS274.0200.P0	2	3	0,05	0,05	4	20	7,3	7,5	274040000L	Δ	▲
LS274.0250.P0	2,5	3,75	0,1	0,1	4	20	7,3	7,5	274040000L	▲	▲
LS274.0300.P0	3	4,5	0,1	0,1	4	20	7,3	7,5	274040000L	Δ	▲
										P	●
										M	●
										K	-
										N	-
										S	-
										H	-



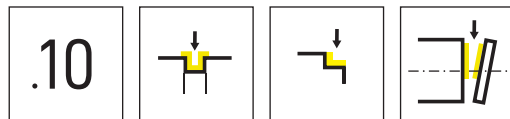
B12

R = rechts wie gezeichnet
R = right hand version shown

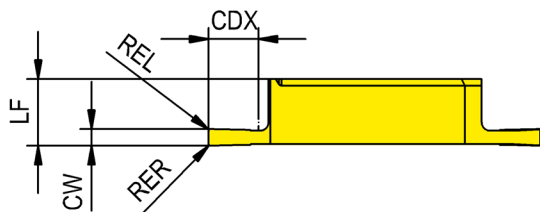
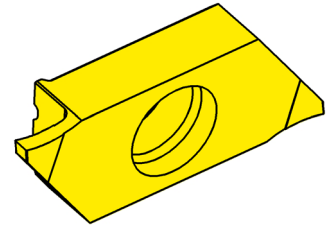
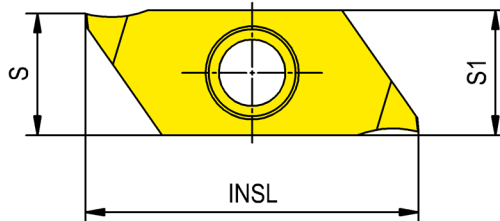
L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	RE	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0205.01.10	0,5	1,5	0,25	4	20	7,3	7,5	274040000R	▲	▲
RS274.0510.03.10	1	3	0,5	4	20	7,3	7,5	274040000R	▲	▲
RS274.1020.04.10	2	4	1	4	20	7,3	7,5	274040000R	▲	▲
LS274.0205.01.10	0,5	1,5	0,25	4	20	7,3	7,5	274040000L	▲	▲
LS274.0510.03.10	1	3	0,5	4	20	7,3	7,5	274040000L	▲	▲
LS274.1020.04.10	2	4	1	4	20	7,3	7,5	274040000L	Δ	▲
									P	●
									M	●
									K	-
									N	-
									S	o
									H	-



B12



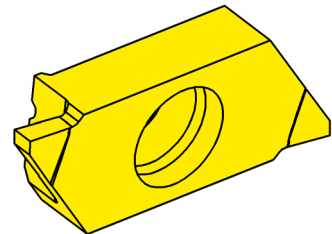
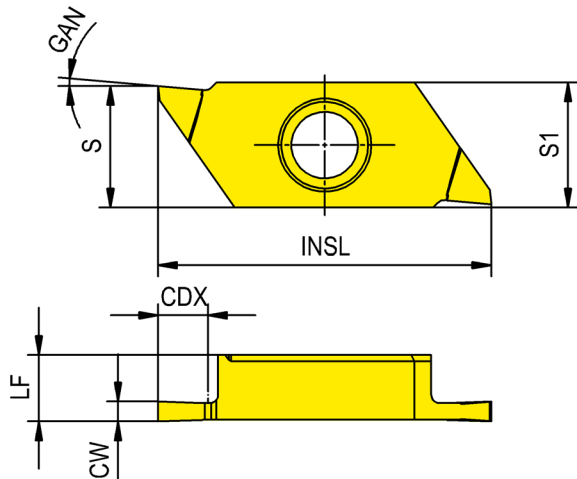
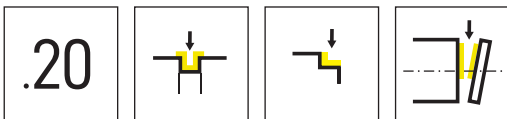
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0050.01.10	0,5	1,5	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0070.02.10	0,7	2	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0080.03.10	0,8	3	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0100.03.10	1	3	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0120.03.10	1,2	3	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0150.04.10	1,5	4	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0150.06.10	1,5	6	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0200.04.10	2	4	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
RS274.0200.06.10	2	6	0,05	0,05	4	20	7,3	7,5	274040000R	▲	▲
LS274.0050.01.10	0,5	1,5	0,05	0,05	4	20	7,3	7,5	274040000L	▲	▲
LS274.0070.02.10	0,7	2	0,05	0,05	4	20	7,3	7,5	274040000L	Δ	Δ
LS274.0080.03.10	0,8	3	0,05	0,05	4	20	7,3	7,5	274040000L	▲	▲
LS274.0100.03.10	1	3	0,05	0,05	4	20	7,3	7,5	274040000L	▲	▲
LS274.0120.03.10	1,2	3	0,05	0,05	4	20	7,3	7,5	274040000L	▲	▲
LS274.0150.04.10	1,5	4	0,05	0,05	4	20	7,3	7,5	274040000L	▲	▲
LS274.0150.06.10	1,5	6	0,05	0,05	4	20	7,3	7,5	274040000L	▲	▲
LS274.0200.04.10	2	4	0,05	0,05	4	20	7,3	7,5	274040000L	▲	▲
LS274.0200.06.10	2	6	0,05	0,05	4	20	7,3	7,5	274040000L	▲	▲
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										M	●
										K	-
										N	-
										S	o
										H	-



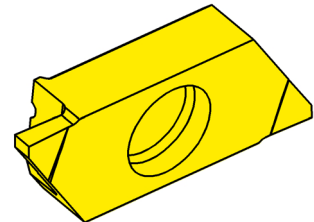
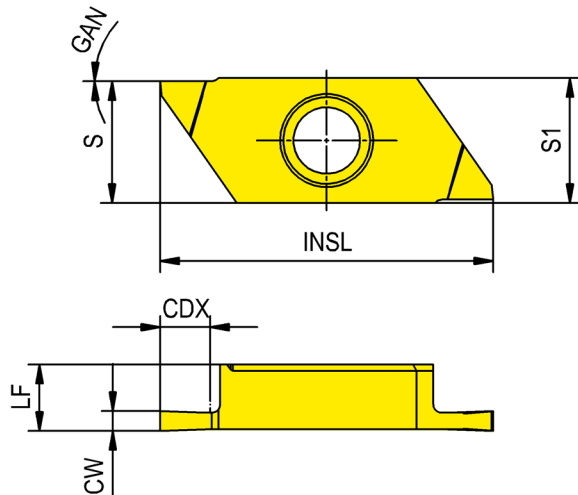
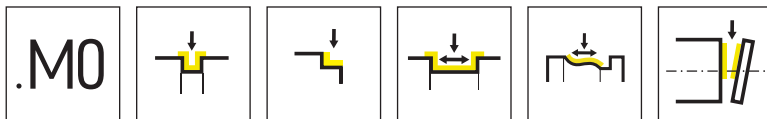
B12

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L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	LF	GAN	INS L	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0050.01.20	0,5	1,5	4	5°	20	7,3	7,5	274040000R	▲	▲
RS274.0070.02.20	0,7	2	4	5°	20	7,3	7,5	274040000R	Δ	▲
RS274.0080.03.20	0,8	3	4	5°	20	7,3	7,5	274040000R	Δ	▲
RS274.0100.03.20	1	3	4	5°	20	7,3	7,5	274040000R	▲	▲
RS274.0120.03.20	1,2	3	4	5°	20	7,3	7,5	274040000R	Δ	▲
RS274.0150.04.20	1,5	4	4	5°	20	7,3	7,5	274040000R	▲	▲
RS274.0150.06.20	1,5	6	4	5°	20	7,3	7,5	274040000R	Δ	▲
RS274.0200.04.20	2	4	4	5°	20	7,3	7,5	274040000R	Δ	▲
RS274.0200.06.20	2	6	4	5°	20	7,3	7,5	274040000R	Δ	▲
LS274.0050.01.20	0,5	1,5	4	5°	20	7,3	7,5	274040000L	Δ	▲
LS274.0070.02.20	0,7	2	4	5°	20	7,3	7,5	274040000L	Δ	▲
LS274.0080.03.20	0,8	3	4	5°	20	7,3	7,5	274040000L	Δ	Δ
LS274.0100.03.20	1	3	4	5°	20	7,3	7,5	274040000L	Δ	Δ
LS274.0120.03.20	1,2	3	4	5°	20	7,3	7,5	274040000L	Δ	Δ
LS274.0150.04.20	1,5	4	4	5°	20	7,3	7,5	274040000L	▲	▲
LS274.0150.06.20	1,5	6	4	5°	20	7,3	7,5	274040000L	Δ	▲
LS274.0200.04.20	2	4	4	5°	20	7,3	7,5	274040000L	Δ	Δ
LS274.0200.06.20	2	6	4	5°	20	7,3	7,5	274040000L	Δ	Δ
P	●	●								
M	-	-								
K	o	-								
N	-	-								
S	o	-								
H	-	-								

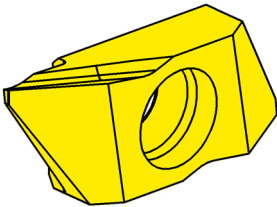
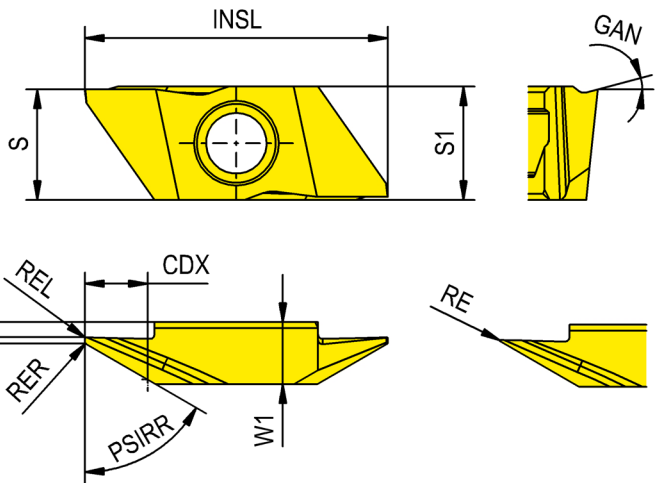
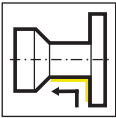


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0050.01.M0	0,5	1,5	4	20	7,3	7,5	274040000R	Δ	▲
RS274.0070.02.M0	0,7	2	4	20	7,3	7,5	274040000R	Δ	Δ
RS274.0080.03.M0	0,8	3	4	20	7,3	7,5	274040000R	Δ	Δ
RS274.0100.03.M0	1	3	4	20	7,3	7,5	274040000R	Δ	▲
RS274.0120.03.M0	1,2	3	4	20	7,3	7,5	274040000R	Δ	▲
RS274.0150.04.M0	1,5	4	4	20	7,3	7,5	274040000R	Δ	Δ
RS274.0150.06.M0	1,5	6	4	20	7,3	7,5	274040000R	Δ	Δ
RS274.0200.04.M0	2	4	4	20	7,3	7,5	274040000R	Δ	Δ
RS274.0200.06.M0	2	6	4	20	7,3	7,5	274040000R	Δ	▲
LS274.0050.01.M0	0,5	1,5	4	20	7,3	7,5	274040000L	Δ	Δ
LS274.0070.02.M0	0,7	2	4	20	7,3	7,5	274040000L	▲	
LS274.0080.03.M0	0,8	3	4	20	7,3	7,5	274040000L	Δ	Δ
LS274.0100.03.M0	1	3	4	20	7,3	7,5	274040000L	Δ	Δ
LS274.0120.03.M0	1,2	3	4	20	7,3	7,5	274040000L	Δ	
LS274.0150.04.M0	1,5	4	4	20	7,3	7,5	274040000L	Δ	Δ
LS274.0150.06.M0	1,5	6	4	20	7,3	7,5	274040000L	Δ	Δ
LS274.0200.04.M0	2	4	4	20	7,3	7,5	274040000L	Δ	Δ
LS274.0200.06.M0	2	6	4	20	7,3	7,5	274040000L	Δ	Δ
								P	●
								M	o
								K	-
								N	-
								S	-
								H	-



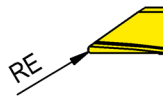
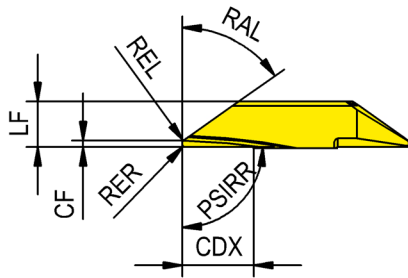
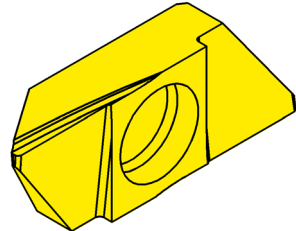
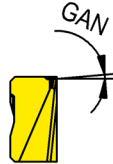
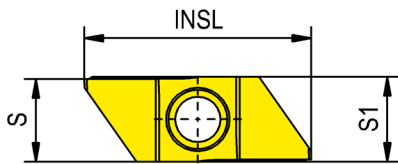
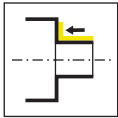
B12

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CF	CDX	RE	REL	RER	PSIRR	W1	LF	GAN	INS	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0060.04.10	-	4	0,05	-	-	60°	4,1	1	15°	20	7,3	7,5	274040000R	▲	▲
RS274.0460.04.10	0,4	4	-	0,05	0,05	60°	4,1	1	15°	20	7,3	7,5	274040000R	▲	▲
RS274.0460.04.M0	0,4	4	-	0,05	0,05	60°	4,1	1	-	20	7,3	7,5	274040000R	Δ	Δ
RS274.0560.06.11	0,5	6	-	0,1	0,1	60°	4,1	0,05	15°	20	7,3	7,5	274040000R	▲	▲
LS274.0060.04.10	-	4	0,05	-	-	-	4,1	1	15°	20	7,3	7,5	274040000L	Δ	Δ
LS274.0460.04.10	0,4	4	-	0,05	0,05	-	4,1	1	15°	20	7,3	7,5	274040000L	▲	▲
LS274.0460.04.M0	0,4	4	-	0,05	0,05	-	4,1	1	-	20	7,3	7,5	274040000L	Δ	Δ
LS274.0560.06.11	0,5	6	-	0,1	0,1	-	4,1	0,05	15°	20	7,3	7,5	274040000L	▲	▲
	P	●	●												
	M	o	o												
	K	-	-												
	N	-	-												
	S	-	-												
	H	-	-												



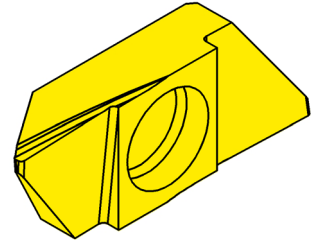
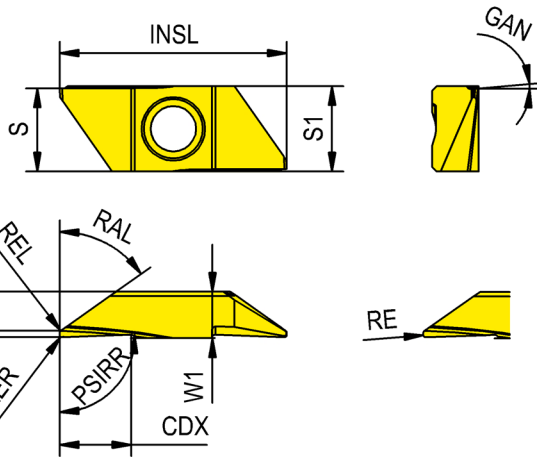
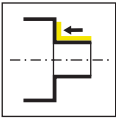
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CF	CDX	RE	REL	RER	PSIRR	W1	LF	GAN	RAL	INS	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0035.04.20	-	4	0,05	-	-	90°	4,1	4	5°	35°	20	7,3	7,5	274040000R	▲	▲
RS274.0055.04.20	-	4	0,05	-	-	90°	4,1	4	5°	55°	20	7,3	7,5	274040000R	Δ	▲
RS274.0235.04.20	0,2	4	-	-	-	90°	4,1	4	5°	35°	20	7,3	7,5	274040000R	▲	▲
RS274.0255.04.20	0,2	4	-	-	-	90°	4,1	4	5°	55°	20	7,3	7,5	274040000R	Δ	▲
RS274.0535.06.20	0,5	6	-	0,2	0,2	90°	4,1	4	5°	35°	20	7,3	7,5	274040000R	▲	▲
RS274.0555.06.20	0,5	6	-	0,2	0,2	90°	4,1	4	5°	55°	20	7,3	7,5	274040000R	▲	▲
LS274.0035.04.20	-	4	0,05	-	-	-	4,1	4	5°	-	20	7,3	7,5	274040000L	Δ	Δ
LS274.0055.04.20	-	4	0,05	-	-	-	4,1	4	5°	-	20	7,3	7,5	274040000L	Δ	▲
LS274.0235.04.20	0,2	4	-	-	-	-	4,1	4	5°	-	20	7,3	7,5	274040000L	Δ	▲
LS274.0255.04.20	0,2	4	-	-	-	-	4,1	4	5°	-	20	7,3	7,5	274040000L	Δ	Δ
LS274.0535.06.20	0,5	6	-	0,2	0,2	-	4,1	4	5°	-	20	7,3	7,5	274040000L	Δ	Δ
LS274.0555.06.20	0,5	6	-	0,2	0,2	-	4,1	4	5°	-	20	7,3	7,5	274040000L	▲	▲
															P	●
															M	o
															K	-
															N	-
															S	-
															H	-



B12

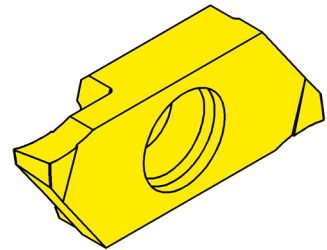
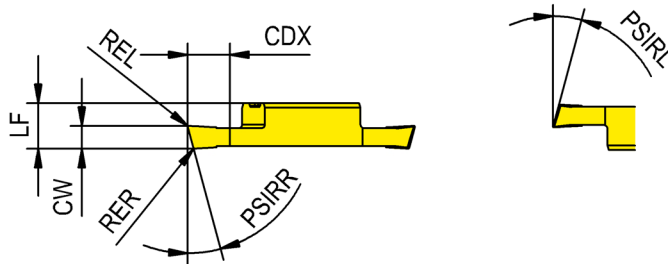
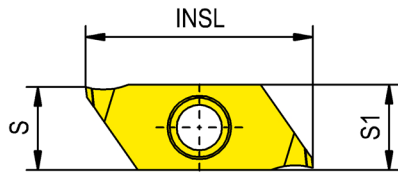
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CF	CDX	RE	REL	RER	PSIRR	W1	LF	GAN	RAL	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0035.24.20	-	4	0,05	-	-	92°	4,1	4	5°	35°	20	7,3	7,5	274040000R	▲	▲
RS274.0235.24.20	0,2	4	-	-	-	92°	4,1	4	5°	35°	20	7,3	7,5	274040000R	Δ	▲
RS274.0535.26.20	0,5	6	-	0,2	0,2	92°	4,1	4	5°	35°	20	7,3	7,5	274040000R	▲	▲
RS274.0255.24.20	0,2	4	-	-	-	92°	4,1	4	5°	55°	20	7,3	7,5	274040000R	Δ	▲
RS274.0555.26.20	0,5	6	-	0,2	0,2	92°	4,1	4	5°	55°	20	7,3	7,5	274040000R	Δ	▲
LS274.0035.24.20	-	4	0,05	-	-	-	4,1	4	5°	-	20	7,3	7,5	274040000L	Δ	Δ
LS274.0235.24.20	0,2	4	-	-	-	-	4,1	4	5°	-	20	7,3	7,5	274040000L	▲	Δ
LS274.0535.26.20	0,5	6	-	0,2	0,2	-	4,1	4	5°	-	20	7,3	7,5	274040000L	▲	▲
LS274.0255.24.20	0,2	4	-	-	-	-	4,1	4	5°	-	20	7,3	7,5	274040000L	Δ	-
LS274.0555.26.20	0,5	6	-	0,2	0,2	-	4,1	4	5°	-	20	7,3	7,5	274040000L	Δ	Δ
															P	●
															M	o
															K	-
															N	-
															S	-
															H	-



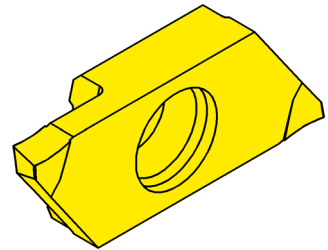
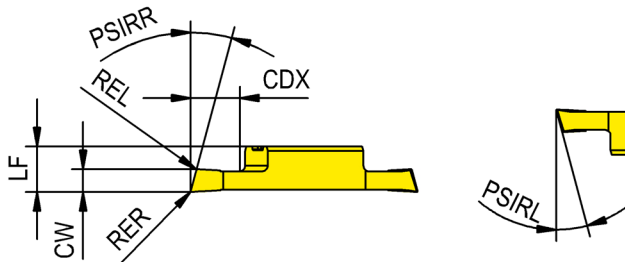
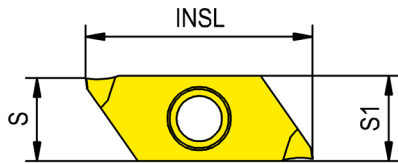
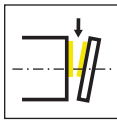
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	PSIRL	PSIRR	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.1508.03.10	0,8	3	0,05	0,05	-	15°	4	20	7,3	7,5	274040000R	▲	▲
RS274.1510.03.10	1	3	0,05	0,05	-	15°	4	20	7,3	7,5	274040000R	▲	▲
RS274.1515.04.10	1,5	4	0,05	0,05	-	15°	4	20	7,3	7,5	274040000R	▲	▲
RS274.1520.06.10	2	6	0,05	0,05	-	15°	4	20	7,3	7,5	274040000R	▲	▲
LS274.1508.03.10	0,8	3	0,05	0,05	15°	-	4	20	7,3	7,5	274040000L	▲	▲
LS274.1510.03.10	1	3	0,05	0,05	15°	-	4	20	7,3	7,5	274040000L	▲	▲
LS274.1515.04.10	1,5	4	0,05	0,05	15°	-	4	20	7,3	7,5	274040000L	▲	▲
LS274.1520.06.10	2	6	0,05	0,05	15°	-	4	20	7,3	7,5	274040000L	▲	▲
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.												P	●
												M	●
												K	-
												N	-
												S	o
												H	-

.10



B12

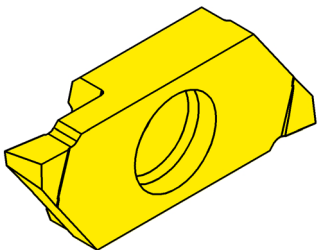
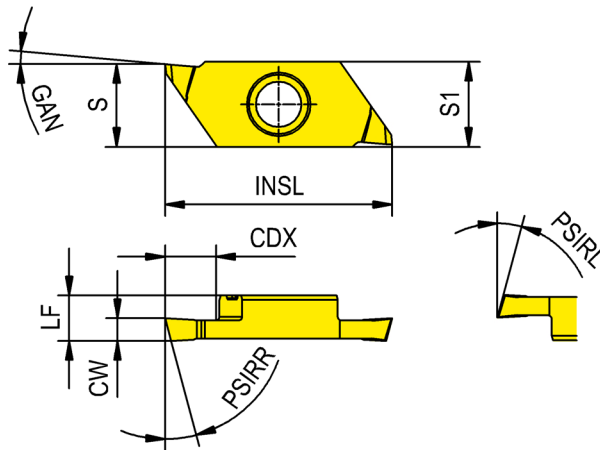
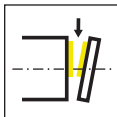
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	PSIRL	PSIRR	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.1508.03.10L	0,8	3	0,05	0,05	15°	-	4	20	7,3	7,5	274040000R	Δ	Δ
RS274.1510.03.10L	1	3	0,05	0,05	15°	-	4	20	7,3	7,5	274040000R	Δ	Δ
RS274.1515.04.10L	1,5	4	0,05	0,05	15°	-	4	20	7,3	7,5	274040000R	Δ	Δ
RS274.1520.06.10L	2	6	0,05	0,05	15°	-	4	20	7,3	7,5	274040000R	Δ	▲
LS274.1508.03.10R	0,8	3	0,05	0,05	-	15°	4	20	7,3	7,5	274040000L	▲	▲
LS274.1510.03.10R	1	3	0,05	0,05	-	15°	4	20	7,3	7,5	274040000L	▲	▲
LS274.1515.04.10R	1,5	4	0,05	0,05	-	15°	4	20	7,3	7,5	274040000L	▲	▲
LS274.1520.06.10R	2	6	0,05	0,05	-	15°	4	20	7,3	7,5	274040000L	▲	▲
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.												P	●
												M	●
												K	-
												N	-
												S	o
												H	-

.20



R = rechts wie gezeichnet
R = right hand version shown

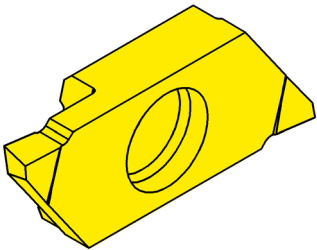
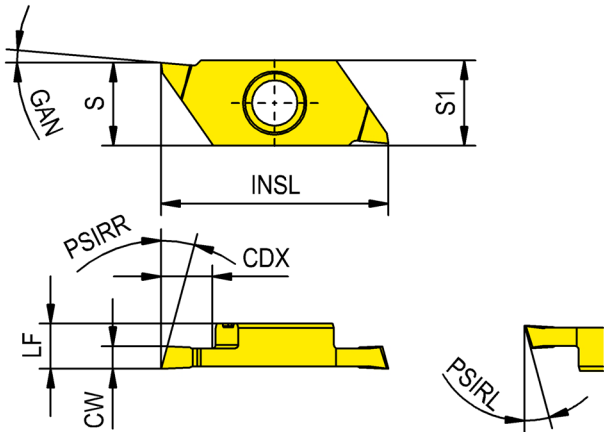
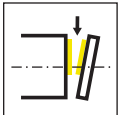
L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	LF	GAN	INSL	S	S1	Trennstelle M Interface M	IG35	TH35	
RS274.1515.04.20	1,5	-	15°	4	5°	20	7,3	7,5	274040000R			
RS274.1520.06.20	2	-	15°	4	5°	20	7,3	7,5	274040000R			
LS274.1515.04.20	1,5	15°	-	4	5°	20	7,3	7,5	274040000L			
LS274.1520.06.20	2	15°	-	4	5°	20	7,3	7,5	274040000L			
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.												
										P	●	●
										M	-	-
										K	o	-
										N	-	-
										S	o	-
										H	-	-

.20



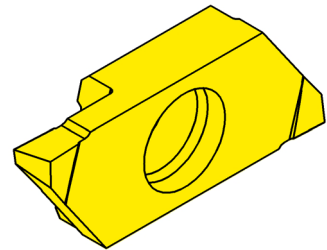
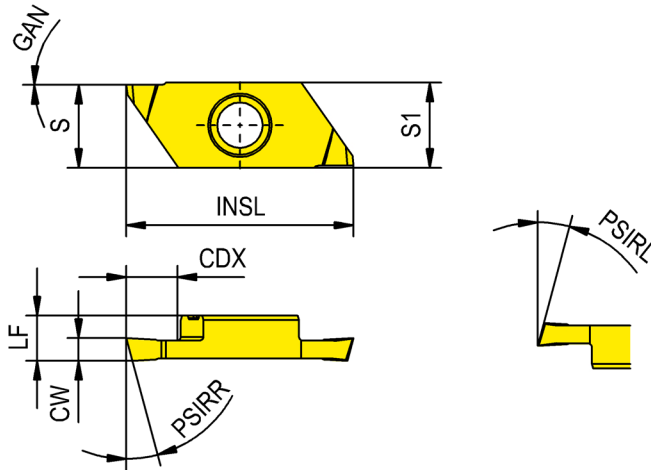
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	LF	GAN	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.1520.06.20L	2	15°	-	4	5°	20	7,3	7,5	274040000R	Δ	Δ
LS274.1515.04.20R	1,5	-	15°	4	5°	20	7,3	7,5	274040000L	Δ	Δ
LS274.1520.06.20R	2	-	15°	4	5°	20	7,3	7,5	274040000L	Δ	Δ
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.										P	●
										M	-
										K	o
										N	-
										S	o
										H	-

B12

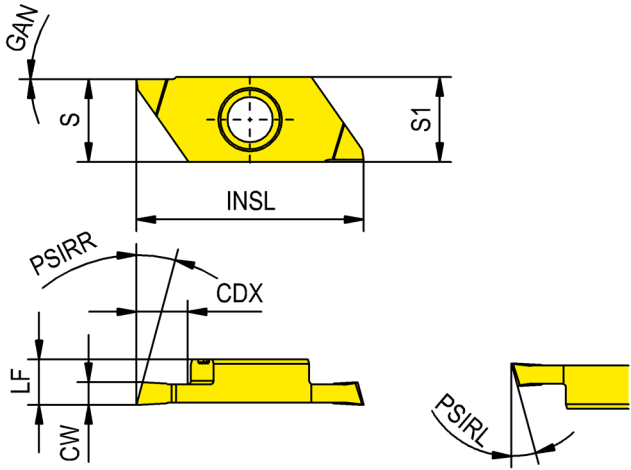


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

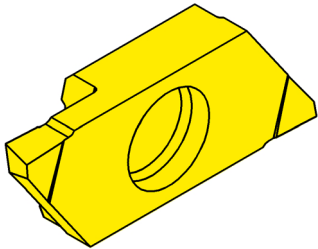
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.1508.03.M0	0,8	-	15°	4	20	7,3	7,5	274040000R	Δ	Δ
RS274.1510.03.M0	1	-	15°	4	20	7,3	7,5	274040000R	Δ	▲
RS274.1515.04.M0	1,5	-	15°	4	20	7,3	7,5	274040000R	Δ	Δ
RS274.1520.06.M0	2	-	15°	4	20	7,3	7,5	274040000R	Δ	Δ
LS274.1508.03.M0	0,8	15°	-	4	20	7,3	7,5	274040000L	Δ	Δ
LS274.1510.03.M0	1	15°	-	4	20	7,3	7,5	274040000L	Δ	Δ
LS274.1515.04.M0	1,5	15°	-	4	20	7,3	7,5	274040000L	Δ	Δ
LS274.1520.06.M0	2	15°	-	4	20	7,3	7,5	274040000L	Δ	Δ
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.									P	●
									M	o
									K	-
									N	-
									S	-
									H	-



R = rechts wie gezeichnet
R = right hand version shown

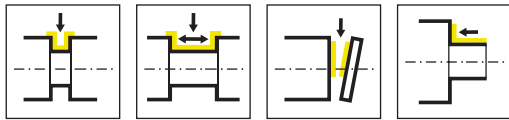
L = links spiegelbildlich
L = left hand version



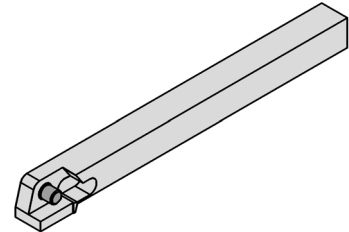
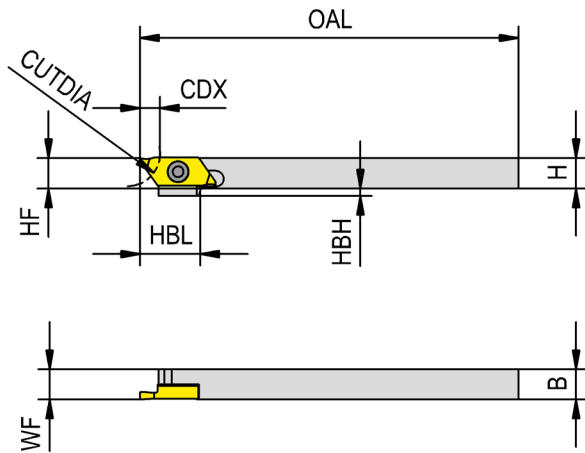
B12

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.1515.04.M0L	1,5	15°	-	4	20	7,3	7,5	274040000R		
RS274.1520.06.M0L	2	15°	-	4	20	7,3	7,5	274040000R		
LS274.1508.03.M0R	0,8	-	15°	4	20	7,3	7,5	274040000L		
LS274.1510.03.M0R	1	-	15°	4	20	7,3	7,5	274040000L		
LS274.1515.04.M0R	1,5	-	15°	4	20	7,3	7,5	274040000L		
LS274.1520.06.M0R	2	-	15°	4	20	7,3	7,5	274040000L		
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.										
P	●	●								
M	o	o								
K	-	-								
N	-	-								
S	-	-								
H	-	-								



B12



R = rechts wie gezeichnet
R = right hand version shown

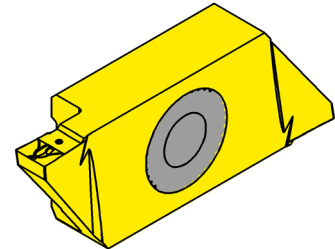
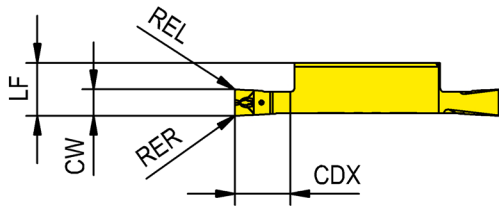
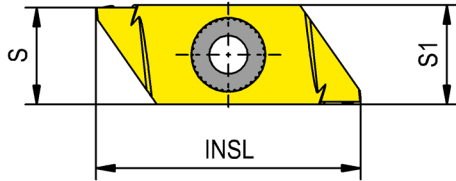
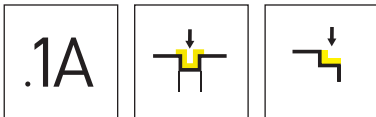
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	HBL	HBH	WF	HF	Trennstelle W Interface W
RH274.0808.04.E	6	25	8	8	100	16	2	8	8	274140000R
RH274.1010.04.E	6	25	10	10	100	-	-	10	10	274140000R
RH274.1212.04.E	6	25	12	12	100	-	-	12	12	274140000R
RH274.1616.04.E	6	25	16	16	125	-	-	16	16	274140000R
RH274.2020.04.E	6	25	20	20	125	-	-	20	20	274140000R
LH274.0808.04.E	6	25	8	8	100	16	2	8	8	274140000L
LH274.1010.04.E	6	25	10	10	100	-	-	10	10	274140000L
LH274.1212.04.E	6	25	12	12	100	-	-	12	12	274140000L
LH274.1616.04.E	6	25	16	16	125	-	-	16	16	274140000L
LH274.2020.04.E	6	25	20	20	125	-	-	20	20	274140000L

Ersatzteile

Spare Parts

Klemmhalter Toolholder	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Spannschraube Clamping Screw
R/LH274.0808.04.E	T15PQ	030.3507.T15P
R/LH274...	T15PQ	030.3509.T15P

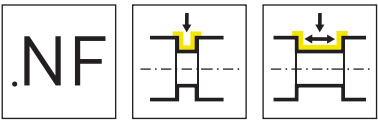


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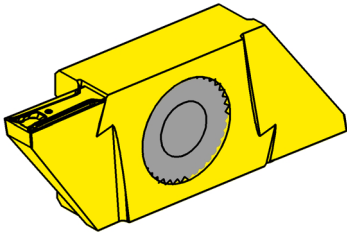
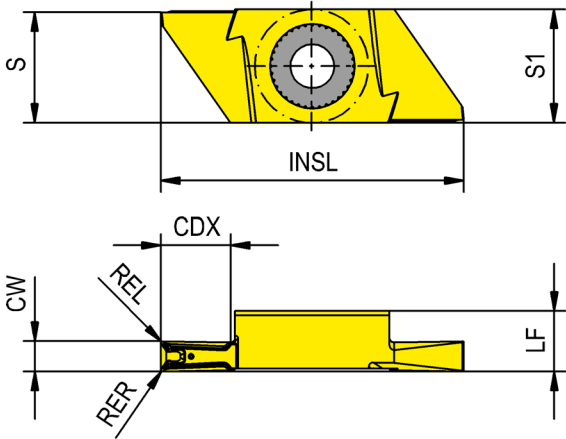
R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RE274.0060.2.1A.05	0,6	2	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0060.2.1A.10	0,6	2	0,1	0,1	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0080.3.1A.05	0,8	3	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0080.3.1A.10	0,8	3	0,1	0,1	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0100.3.1A.05	1	3	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0100.3.1A.10	1	3	0,1	0,1	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0150.4.1A.05	1,5	4	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0150.4.1A.10	1,5	4	0,1	0,1	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0150.6.1A.05	1,5	6	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0150.6.1A.10	1,5	6	0,1	0,1	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0200.4.1A.05	2	4	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0200.4.1A.10	2	4	0,1	0,1	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0200.6.1A.05	2	6	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RE274.0200.6.1A.10	2	6	0,1	0,1	4	20	7,3	7,5	274140000R	Δ	Δ
										P	•
										M	•
										K	o
										N	-
										S	-
										H	-



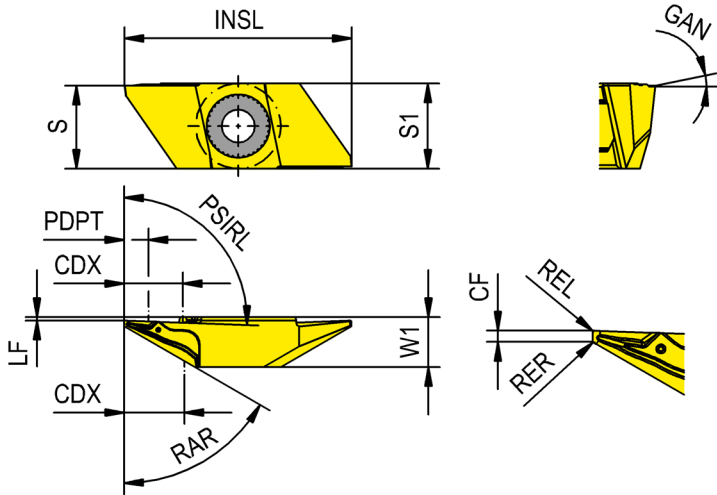
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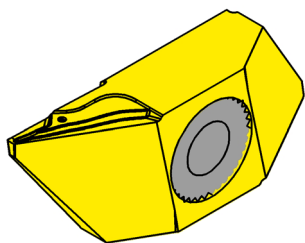
R = rechts wie gezeichnet
R = right hand version shown

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	LF	INSL	S	S1	Trennstelle M Interface M		IG35	TH35
RE274.0200.4.NF.05	2	4	0,05	0,05	4	20	7,3	7,5	274140000R		Δ	Δ
RE274.0200.4.NF.10	2	4	0,1	0,1	4	20	7,3	7,5	274140000R		Δ	Δ
										P	●	●
										M	●	●
										K	-	-
										N	-	-
										S	-	-
										H	-	-



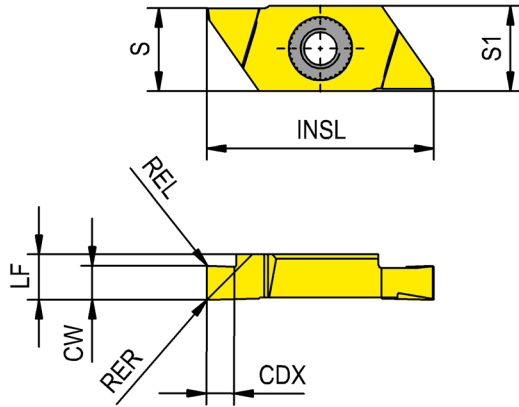
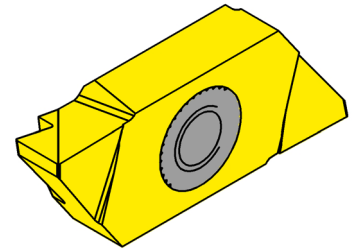
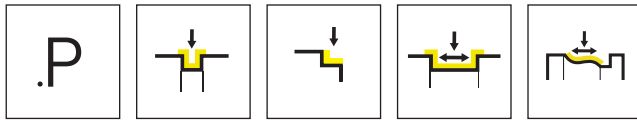
R = rechts wie gezeichnet
R = right hand version shown



B12

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CF	CDX	REL	RER	PSIRL	PDPT	W1	LF	GAN	RAR	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RE274.0560.6.PR.05	0,5	6	0,05	0,05	92°	2	4,4	0,3	12°	60°	20	7,3	7,5	274140000R	Δ	Δ
															P	•
															M	•
															K	-
															N	-
															S	o
															H	-



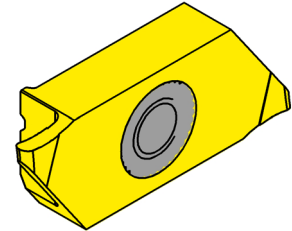
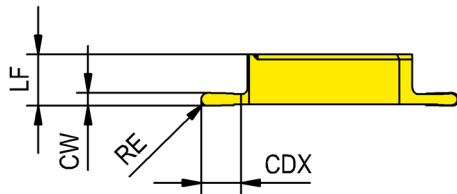
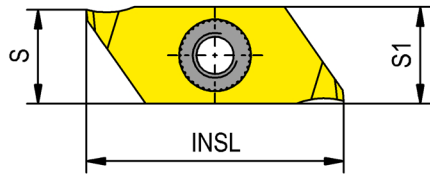
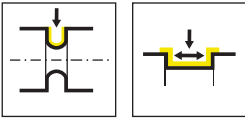
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0150.P0.E	1,5	2,25	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0200.P0.E	2	3	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0250.P0.E	2,5	3,75	0,1	0,1	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0300.P0.E	3	4,5	0,1	0,1	4	20	7,3	7,5	274140000R	Δ	Δ
LS274.0150.P0.E	1,5	2,25	0,05	0,05	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0200.P0.E	2	3	0,05	0,05	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0250.P0.E	2,5	3,75	0,1	0,1	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0300.P0.E	3	4,5	0,1	0,1	4	20	7,3	7,5	274140000L	Δ	Δ
										P	●
										M	●
										K	-
										N	-
										S	-
										H	-



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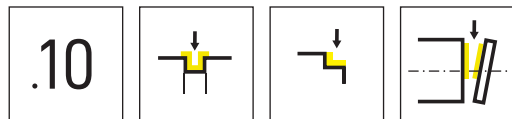
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

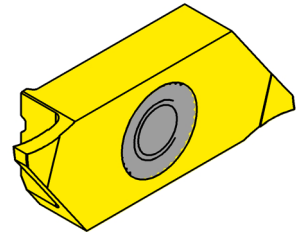
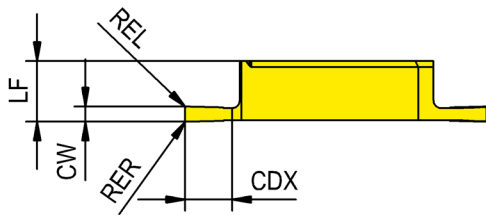
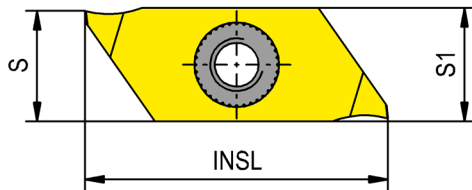
Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	RE	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0205.01.10.E	0,5	1,5	0,25	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0510.03.10.E	1	3	0,5	4	20	7,3	7,5	274140000R	Δ	▲
RS274.1020.04.10.E	2	4	1	4	20	7,3	7,5	274140000R	Δ	Δ
LS274.0205.01.10.E	0,5	1,5	0,25	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0510.03.10.E	1	3	0,5	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.1020.04.10.E	2	4	1	4	20	7,3	7,5	274140000L	Δ	Δ
									P	● ●
									M	● ●
									K	- -
									N	- -
									S	o -
									H	- -



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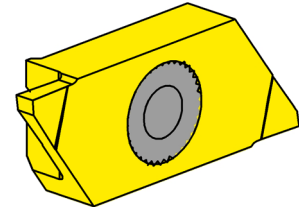
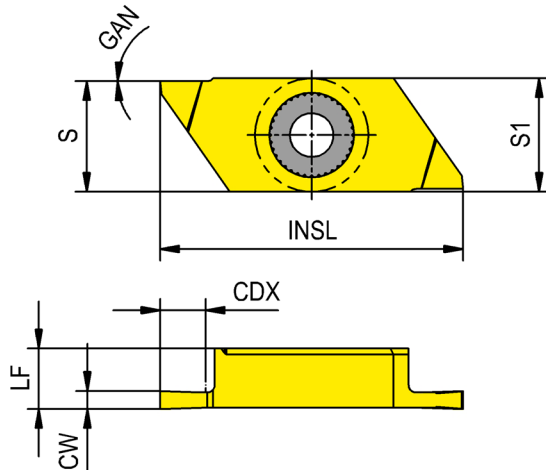
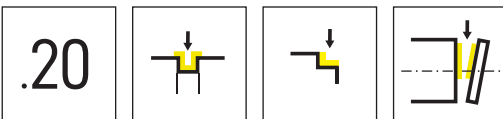
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0050.01.10.E	0,5	1,5	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0070.02.10.E	0,7	2	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0080.03.10.E	0,8	3	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0100.03.10.E	1	3	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0120.03.10.E	1,2	3	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0150.04.10.E	1,5	4	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0150.06.10.E	1,5	6	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0200.04.10.E	2	4	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0200.06.10.E	2	6	0,05	0,05	4	20	7,3	7,5	274140000R	Δ	Δ
LS274.0050.01.10.E	0,5	1,5	0,05	0,05	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0070.02.10.E	0,7	2	0,05	0,05	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0080.03.10.E	0,8	3	0,05	0,05	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0100.03.10.E	1	3	0,05	0,05	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0120.03.10.E	1,2	3	0,05	0,05	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0150.04.10.E	1,5	4	0,05	0,05	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0150.06.10.E	1,5	6	0,05	0,05	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0200.04.10.E	2	4	0,05	0,05	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0200.06.10.E	2	6	0,05	0,05	4	20	7,3	7,5	274140000L	Δ	Δ
										P	● ●
										M	● ●
										K	- -
										N	- -
										S	o -
										H	- -



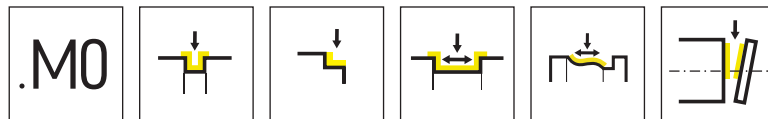
B12

R = rechts wie gezeichnet
R = right hand version shown

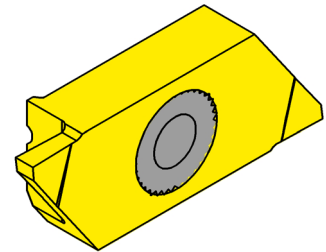
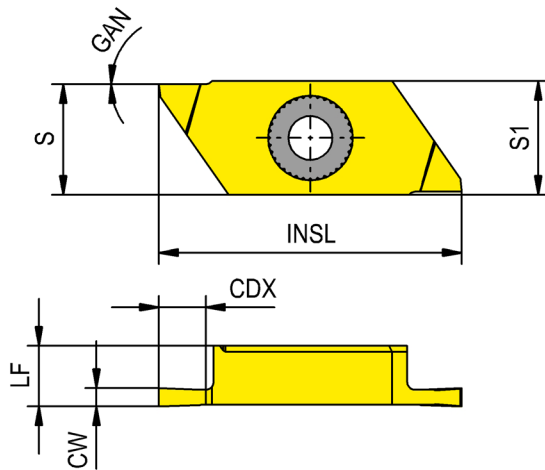
L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	LF	GAN	INS L	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0050.01.20.E	0,5	1,5	4	5°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0070.02.20.E	0,7	2	4	5°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0080.03.20.E	0,8	3	4	5°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0100.03.20.E	1	3	4	5°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0120.03.20.E	1,2	3	4	5°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0150.06.20.E	1,5	6	4	5°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0200.04.20.E	2	4	4	5°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0200.06.20.E	2	6	4	5°	20	7,3	7,5	274140000R	Δ	Δ
LS274.0050.01.20.E	0,5	1,5	4	5°	20	7,3	7,5	274140000L	Δ	Δ
LS274.0070.02.20.E	0,7	2	4	5°	20	7,3	7,5	274140000L	Δ	Δ
LS274.0080.03.20.E	0,8	3	4	5°	20	7,3	7,5	274140000L	Δ	Δ
LS274.0100.03.20.E	1	3	4	5°	20	7,3	7,5	274140000L	Δ	Δ
LS274.0120.03.20.E	1,2	3	4	5°	20	7,3	7,5	274140000L	Δ	Δ
LS274.0150.06.20.E	1,5	6	4	5°	20	7,3	7,5	274140000L	Δ	Δ
LS274.0200.04.20.E	2	4	4	5°	20	7,3	7,5	274140000L	Δ	Δ
LS274.0200.06.20.E	2	6	4	5°	20	7,3	7,5	274140000L	Δ	Δ
									P	●
									M	-
									K	o
									N	-
									S	o
									H	-



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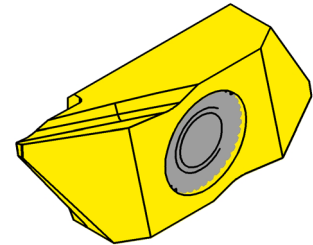
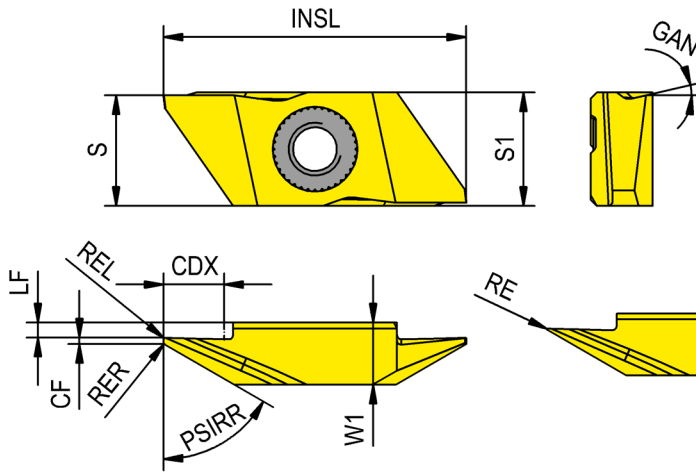
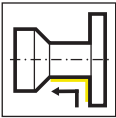


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0050.01.M0.E	0,5	1,5	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0070.02.M0.E	0,7	2	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0080.03.M0.E	0,8	3	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0100.03.M0.E	1	3	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0120.03.M0.E	1,2	3	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0150.06.M0.E	1,5	6	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0200.04.M0.E	2	4	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.0200.06.M0.E	2	6	4	20	7,3	7,5	274140000R	Δ	Δ
LS274.0050.01.M0.E	0,5	1,5	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0070.02.M0.E	0,7	2	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0080.03.M0.E	0,8	3	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0100.03.M0.E	1	3	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0120.03.M0.E	1,2	3	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0150.06.M0.E	1,5	6	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0200.04.M0.E	2	4	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.0200.06.M0.E	2	6	4	20	7,3	7,5	274140000L	Δ	Δ
P	●	●	●	●	●	●			
M	o	o	o	o	o	o			
K	-	-	-	-	-	-			
N	-	-	-	-	-	-			
S	-	-	-	-	-	-			
H	-	-	-	-	-	-			



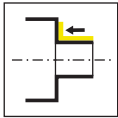
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R = rechts wie gezeichnet
R = right hand version shown

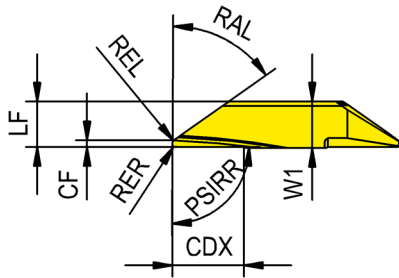
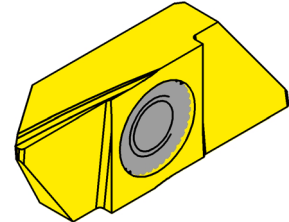
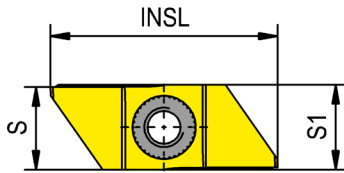
L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CF	CDX	RE	REL	RER	PSIRR	W1	LF	GAN	INS	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0060.04.10.E	-	4	0,05	-	-	60°	4,1	1	15°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0460.04.10.E	0,4	4	-	0,05	0,05	60°	4,1	1	15°	20	7,3	7,5	274140000R	Δ	▲
RS274.0460.04.M0.E	0,4	4	-	0,05	0,05	60°	4,1	1	-	20	7,3	7,5	274140000R	Δ	Δ
RS274.0560.06.11.E	0,5	6	-	0,1	0,1	60°	4,1	0,05	15°	20	7,3	7,5	274140000R	Δ	▲
LS274.0060.04.10.E	-	4	0,05	-	-	-	4,1	1	15°	20	7,3	7,5	274140000L	Δ	Δ
LS274.0460.04.10.E	0,4	4	-	0,05	0,05	-	4,1	1	15°	20	7,3	7,5	274140000L	Δ	Δ
LS274.0460.04.M0.E	0,4	4	-	0,05	0,05	-	4,1	1	-	20	7,3	7,5	274140000L	Δ	Δ
LS274.0560.06.11.E	0,5	6	-	0,1	0,1	-	4,1	0,05	15°	20	7,3	7,5	274140000L	Δ	Δ
														P	●
														M	o
														K	-
														N	-
														S	-
														H	-



B12



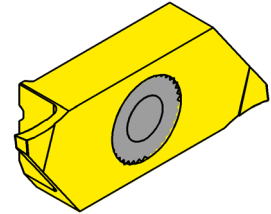
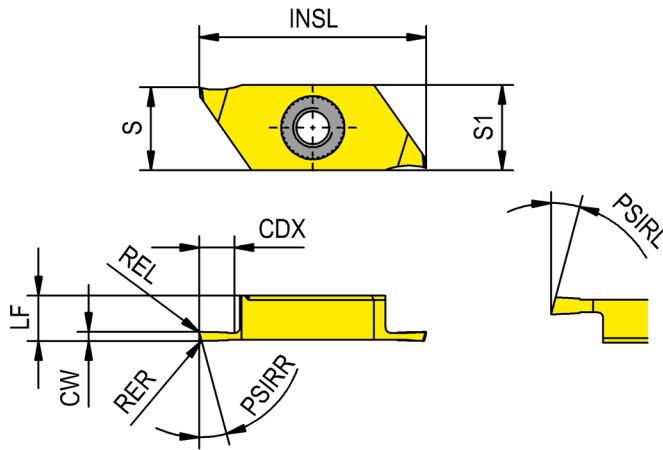
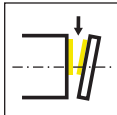
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CF	CDX	RE	REL	RER	PSIRR	W1	LF	GAN	RAL	INS	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0035.04.20.E	-	4	0,05	-	-	90°	4,1	4	5°	35°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0235.04.20.E	0,2	4	-	-	-	90°	4,1	4	5°	35°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0535.06.20.E	0,5	6	-	0,2	0,2	90°	4,1	4	5°	35°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0055.04.20.E	-	4	0,05	-	-	90°	4,1	4	5°	55°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0255.04.20.E	0,2	4	-	-	-	90°	4,1	4	5°	55°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0555.06.20.E	0,5	6	-	0,2	0,2	90°	4,1	4	5°	55°	20	7,3	7,5	274140000R	Δ	Δ
LS274.0035.04.20.E	-	4	0,05	-	-	-	4,1	4	5°	-	20	7,3	7,5	274140000L	Δ	Δ
LS274.0235.04.20.E	0,2	4	-	-	-	-	4,1	4	5°	-	20	7,3	7,5	274140000L	Δ	Δ
LS274.0535.06.20.E	0,5	6	-	0,2	0,2	-	4,1	4	5°	-	20	7,3	7,5	274140000L	Δ	Δ
LS274.0055.04.20.E	-	4	0,05	-	-	-	4,1	4	5°	-	20	7,3	7,5	274140000L	Δ	Δ
LS274.0255.04.20.E	0,2	4	-	-	-	-	4,1	4	5°	-	20	7,3	7,5	274140000L	Δ	Δ
LS274.0555.06.20.E	0,5	6	-	0,2	0,2	-	4,1	4	5°	-	20	7,3	7,5	274140000L	Δ	Δ
P	●	●														
M	o	o														
K	-	-														
N	-	-														
S	-	-														
H	-	-														

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B12

R = rechts wie gezeichnet
R = right hand version shown

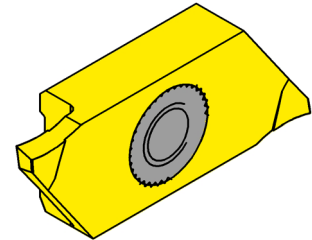
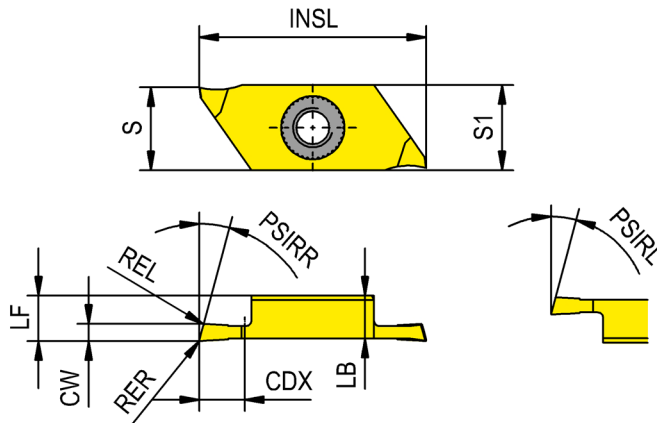
L = links spiegelbildlich
L = left hand version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	PSIRL	PSIRR	LF	INS L	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.1508.03.10.E	0,8	3	0,05	0,05	-	15°	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.1510.03.10.E	1	3	0,05	0,05	-	15°	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.1515.04.10.E	1,5	4	0,05	0,05	-	15°	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.1520.06.10.E	2	6	0,05	0,05	-	15°	4	20	7,3	7,5	274140000R	Δ	Δ
LS274.1508.03.10.E	0,8	3	0,05	0,05	15°	-	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.1510.03.10.E	1	3	0,05	0,05	15°	-	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.1515.04.10.E	1,5	4	0,05	0,05	15°	-	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.1520.06.10.E	2	6	0,05	0,05	15°	-	4	20	7,3	7,5	274140000L	Δ	Δ
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.												P	●
												M	●
												K	-
												N	-
												S	o
												H	-



B12



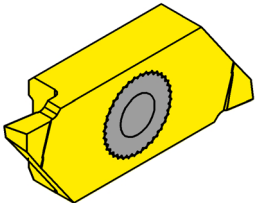
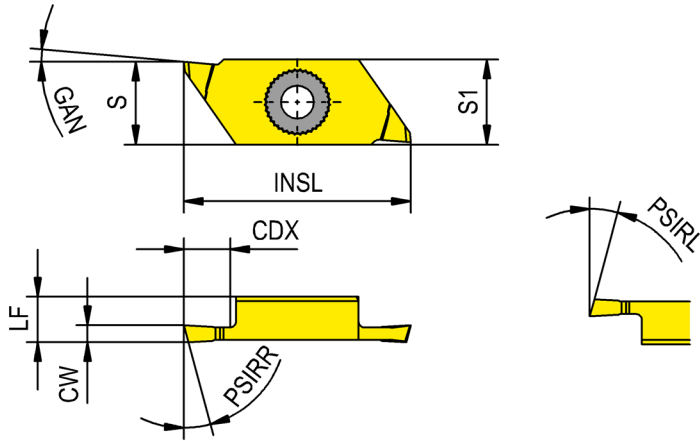
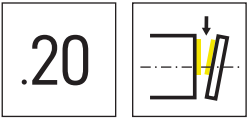
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	PSIRL	PSIRR	LF	INS L	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.1508.03.1L.E	0,8	3	0,05	0,05	15°	-	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.1510.03.1L.E	1	3	0,05	0,05	15°	-	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.1515.04.1L.E	1,5	4	0,05	0,05	15°	-	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.1520.06.1L.E	2	6	0,05	0,05	15°	-	4	20	7,3	7,5	274140000R	Δ	Δ
LS274.1508.03.1R.E	0,8	3	0,05	0,05	-	15°	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.1510.03.1R.E	1	3	0,05	0,05	-	15°	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.1520.06.1R.E	2	6	0,05	0,05	-	15°	4	20	7,3	7,5	274140000L	Δ	Δ
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.												P	●
												M	●
												K	-
												N	-
												S	o
												H	-



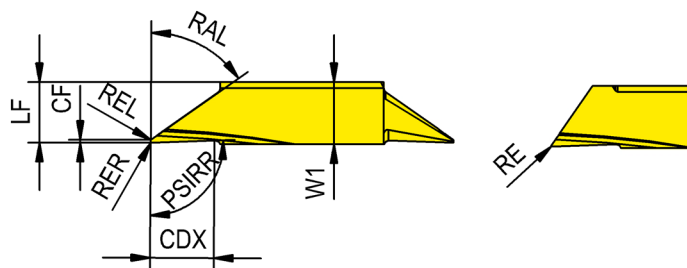
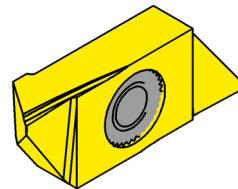
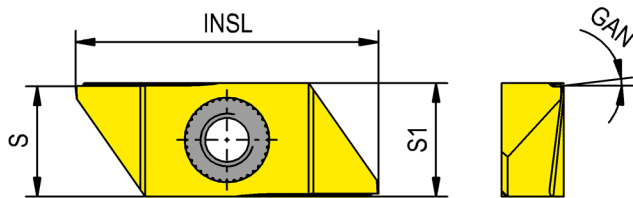
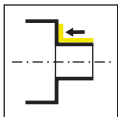
B12

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

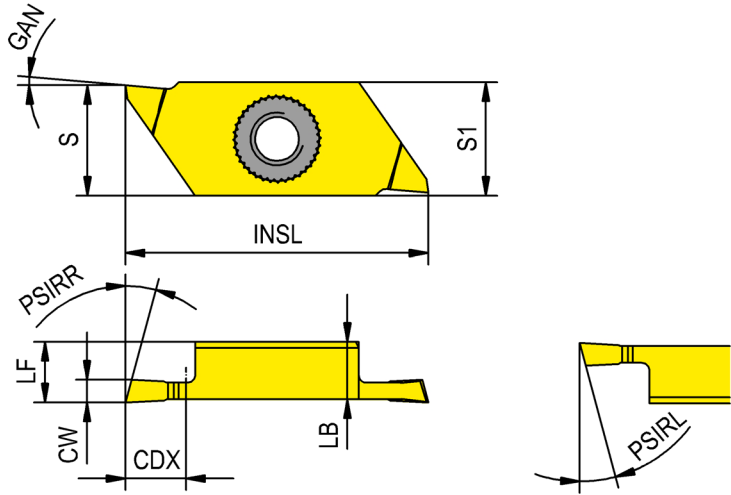
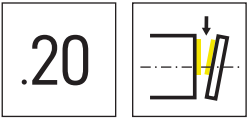
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	LF	GAN	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.1515.04.20.E	1,5	-	15°	4	5°	20	7,3	7,5	274140000R	Δ	Δ
LS274.1515.04.20.E	1,5	15°	-	4	5°	20	7,3	7,5	274140000L	Δ	Δ
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.										P	●
										M	-
										K	o
										N	-
										S	o
										H	-



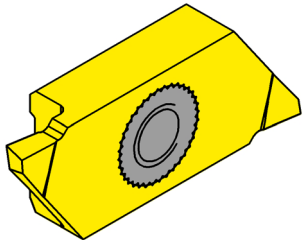
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CF	CDX	RE	REL	RER	PSIRR	W1	LF	GAN	RAL	INS	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0035.24.20.E	-	4	0,05	-	-	92°	4,1	4	5°	35°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0055.24.20.E	-	4	0,05	-	-	92°	4,1	4	5°	55°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0235.24.20.E	0,2	4	-	-	-	92°	4,1	4	5°	35°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0255.24.20.E	0,2	4	-	-	-	92°	4,1	4	5°	55°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0535.26.20.E	0,5	6	-	0,2	0,2	92°	4,1	4	5°	35°	20	7,3	7,5	274140000R	Δ	Δ
RS274.0555.26.20.E	0,5	6	-	0,2	0,2	92°	4,1	4	5°	55°	20	7,3	7,5	274140000R	Δ	Δ
LS274.0035.24.20.E	-	4	0,05	-	-	-	4,1	4	5°	-	20	7,3	7,5	274140000L	Δ	Δ
LS274.0055.24.20.E	-	4	0,05	-	-	-	4,1	4	5°	-	20	7,3	7,5	274140000L	Δ	Δ
LS274.0235.24.20.E	0,2	4	-	-	-	-	4,1	4	5°	-	20	7,3	7,5	274140000L	Δ	Δ
LS274.0255.24.20.E	0,2	4	-	-	-	-	4,1	4	5°	-	20	7,3	7,5	274140000L	Δ	Δ
LS274.0535.26.20.E	0,5	6	-	0,2	0,2	-	4,1	4	5°	-	20	7,3	7,5	274140000L	Δ	Δ
LS274.0555.26.20.E	0,5	6	-	0,2	0,2	-	4,1	4	5°	-	20	7,3	7,5	274140000L	Δ	Δ
P	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
K	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



R = rechts wie gezeichnet
R = right hand version shown

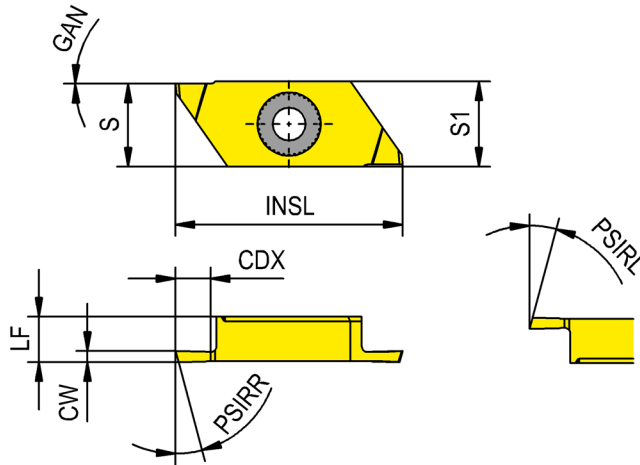
L = links spiegelbildlich
L = left hand version



B12

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	LF	GAN	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.1515.04.2L.E	1,5	15°	-	4	5°	20	7,3	7,5	274140000R	Δ	Δ
RS274.1520.06.2L.E	2	15°	-	4	5°	20	7,3	7,5	274140000R	Δ	Δ
LS274.1515.04.2R.E	1,5	-	15°	4	5°	20	7,3	7,5	274140000L	Δ	Δ
LS274.1520.06.2R.E	2	-	15°	4	5°	20	7,3	7,5	274140000L	Δ	Δ
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.										P	●
										M	-
										K	o
										N	-
										S	o
										H	-

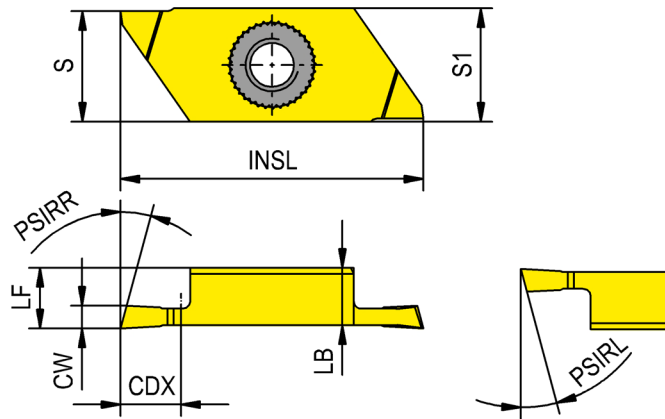


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

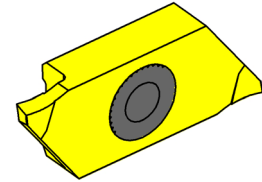
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.1508.03.M0.E	0,8	-	15°	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.1510.03.M0.E	1	-	15°	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.1515.04.M0.E	1,5	-	15°	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.1520.06.M0.E	2	-	15°	4	20	7,3	7,5	274140000R	Δ	Δ
LS274.1508.03.M0.E	0,8	15°	-	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.1510.03.M0.E	1	15°	-	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.1515.04.M0.E	1,5	15°	-	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.1520.06.M0.E	2	15°	-	4	20	7,3	7,5	274140000L	Δ	Δ
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.									P	●
									M	o
									K	-
									N	-
									S	-
									H	-



R = rechts wie gezeichnet
R = right hand version shown

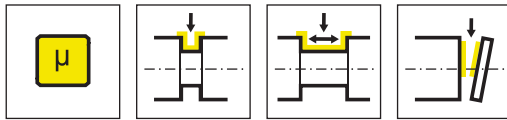
L = links spiegelbildlich
L = left hand version



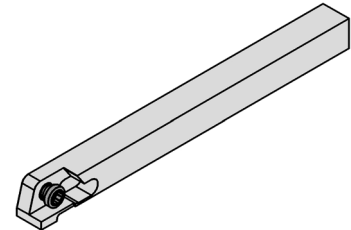
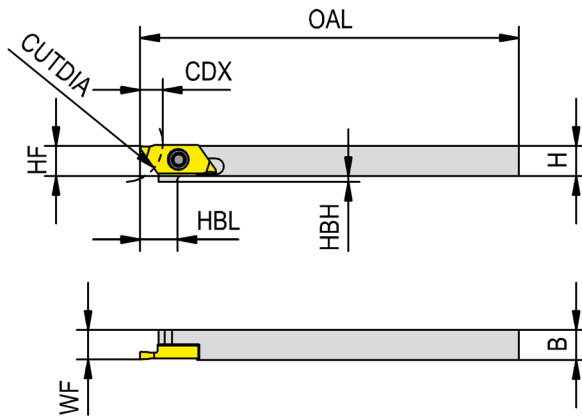
B12

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	LF	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.1508.03.ML.E	0,8	15°	-	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.1510.03.ML.E	1	15°	-	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.1515.04.ML.E	1,5	15°	-	4	20	7,3	7,5	274140000R	Δ	Δ
RS274.1520.06.ML.E	2	15°	-	4	20	7,3	7,5	274140000R	Δ	Δ
LS274.1510.03.MR.E	1	-	15°	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.1515.04.MR.E	1,5	-	15°	4	20	7,3	7,5	274140000L	Δ	Δ
LS274.1520.06.MR.E	2	-	15°	4	20	7,3	7,5	274140000L	Δ	Δ
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.									P	•
									M	o
									K	-
									N	-
									S	-
									H	-



B12



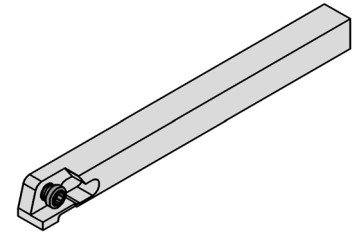
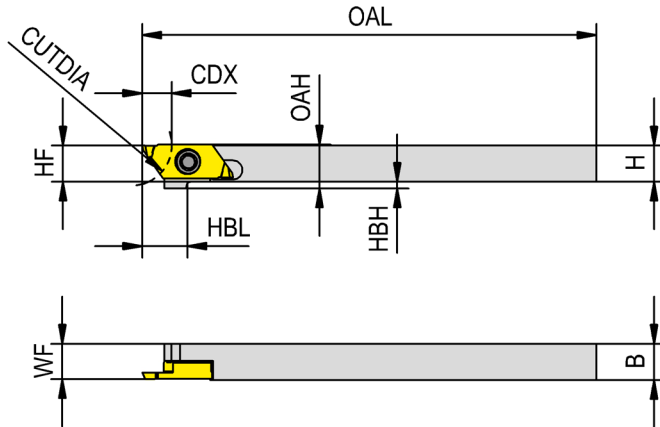
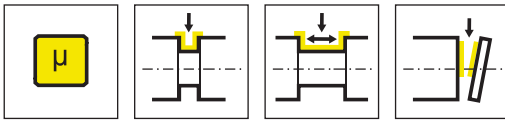
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	HBL	HBH	WF	HF	Trennstelle W Interface W
RH274.0808.SF.04	6	25	8	8	100	10	1,5	7,8	8	274040000R
RH274.1010.SF.04	6	25	10	10	100	-	-	9,8	10	274040000R
RH274.1212.SF.04	6	25	12	12	100	-	-	11,8	12	274040000R

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RH274...	030.350P.0852	T15PQ



B12

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

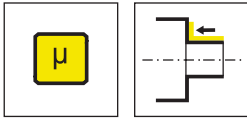
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	HBL	HBH	WF	HF	Trennstelle W Interface W
RH274.0808.SF.S4	6	25	8	8	100	10	1,5	7,8	8	274040000R
RH274.1010.SF.S4	6	25	10	10	100	-	-	9,8	10	274040000R
RH274.1212.SF.S4	6	25	12	12	100	-	-	11,8	12	274040000R

Schaftmaterial: Schwermetall (schwingungsarm)
Material of shank: tungsten alloy (giving good vibration resistance)

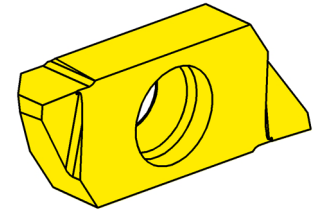
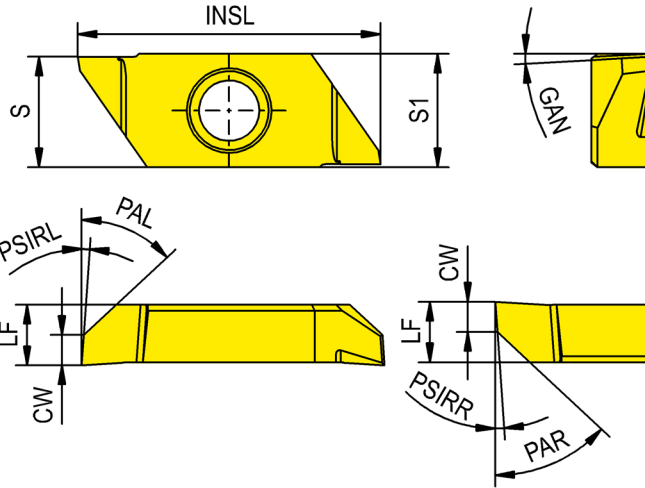
Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RH274...	030.350P.0852	T15PQ



B12

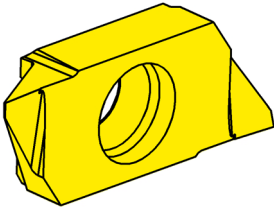
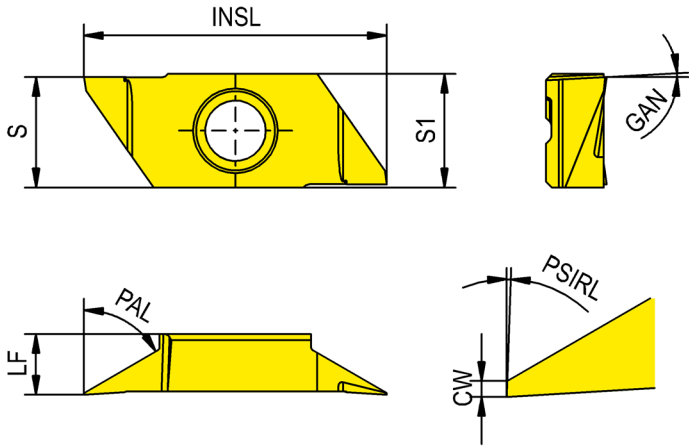
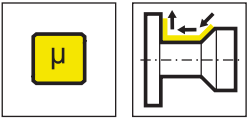


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	PAL	PAR	LF	GAN	INS L	S	S1	Trennstelle M Interface M	ES15	ES1P
RS274.0547.04.SF	0,05	0°	-	47°	-	4	0°	20	7,3	7,5	274040000R	▲	Δ
RS274.2047.03.SF	2	4°	-	47°	-	4	3°	20	7,3	7,5	274040000R	▲	Δ
LS274.2047.03.SF	2	-	4°	-	47°	4	3°	20	7,3	7,5	274040000L	Δ	Δ
												P	●
												M	-
												K	-
												N	-
												S	o
												H	-

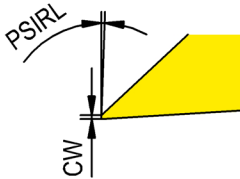
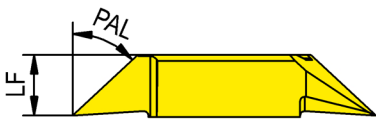
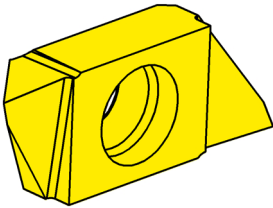
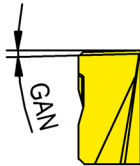
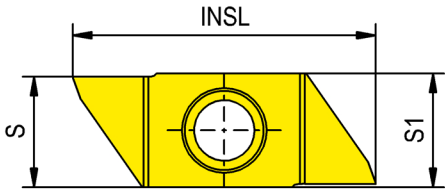
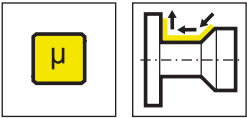


B12

R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

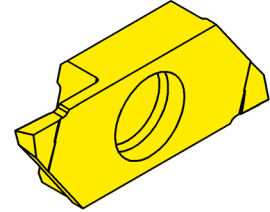
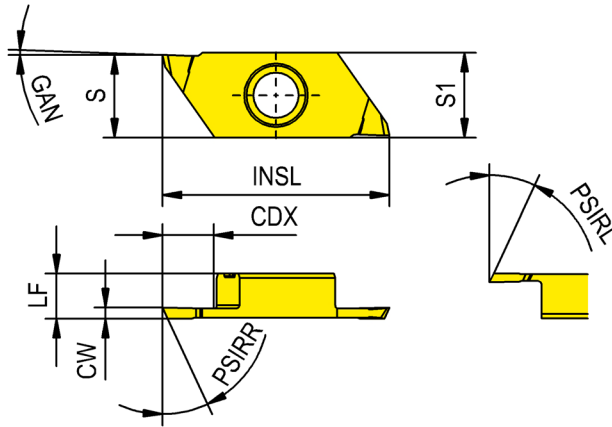
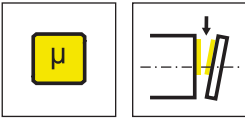
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RS274.0147.04.SF	0,1	0,03	5°	47°	4	-	20	7,3	7,5	274040000R		▲	Δ
RS274.0160.03.SF	0,10	-	2°	60°	4	3°	20	7,3	7,5	274040000R		▲	Δ
LS274.0160.03.SF	0,10	-	-	-	4	3°	20	7,3	7,5	274040000L		Δ	Δ
											P	●	●
											M	-	-
											K	-	-
											N	-	-
											S	o	o
											H	-	-



R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	PSIRL	PAL	LF	GAN	INSL	S	S1	Trennstelle M Interface M		ES15	ES1P
RS274.0247.04.SF	0,02	2°	47°	4	1,5°	20	7,3	7,5	274040000R		▲	Δ
										P	●	●
										M	-	-
										K	-	-
										N	-	-
										S	o	o
										H	-	-



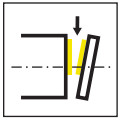
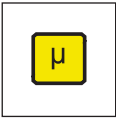
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R = rechts wie gezeichnet
R = right hand version shown

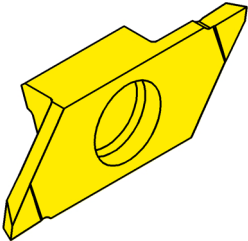
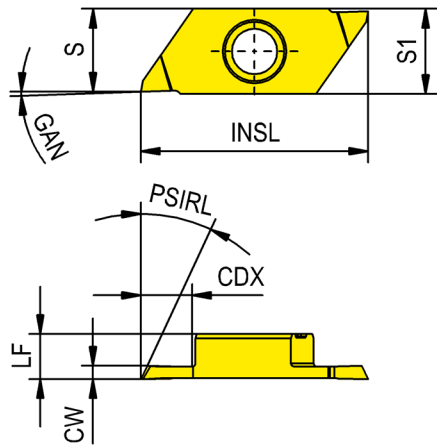
L = links spiegelbildlich
L = left hand version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	LF	GAN	INSL	S	S1	Trennstelle M Interface M	AC2P	ES15	ES1P
RS274.2508.04.SF	0,8	-	25°	4	2°	20	7,3	7,5	274040000R		▲	Δ
RS274.2509.04.SF	0,9	-	25°	4	2°	20	7,3	7,5	274040000R	Δ	Δ	Δ
RS274.2510.04.SF	1	-	25°	4	2°	20	7,3	7,5	274040000R		▲	Δ
RS274.2510.06.SF	1	-	25°	4	2°	20	7,3	7,5	274040000R		Δ	Δ
RS274.2512.06.SF	1,2	-	25°	4	2°	20	7,3	7,5	274040000R	Δ	Δ	Δ
RS274.2515.06.SF	1,5	-	25°	4	2°	20	7,3	7,5	274040000R		Δ	Δ
LS274.2508.04.SF	0,8	25°	-	4	2°	20	7,3	7,5	274040000L		Δ	Δ
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.										P	-	●
										M	-	-
										K	-	-
										N	-	-
										S	-	o
										H	-	-



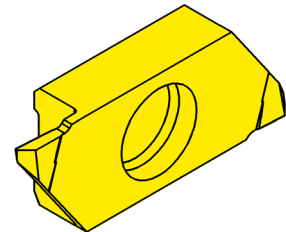
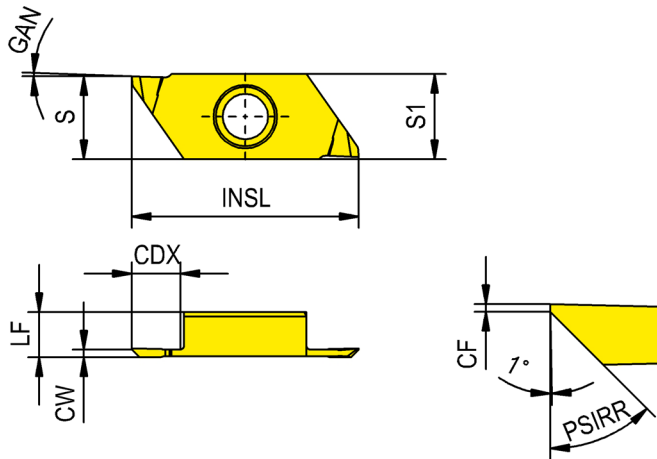
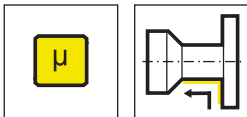
B12



L = links wie gezeichnet
L = left hand version shown

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	PSIRR	LF	GAN	INSL	S	S1	Trennstelle M Interface M	AC2P	ES15	ES1P
LS274.2508.04.SF.R	0,8	25°	4	2°	20	7,3	7,5	274040000L		Δ	Δ
LS274.2509.04.SF.R	0,9	25°	4	2°	20	7,3	7,5	274040000L	Δ	Δ	Δ
LS274.2510.06.SF.R	1	25°	4	2°	20	7,3	7,5	274040000L	Δ	Δ	Δ
LS274.2512.06.SF.R	1,2	25°	4	2°	20	7,3	7,5	274040000L		Δ	Δ
LS274.2515.06.SF.R	1,5	25°	4	2°	20	7,3	7,5	274040000L	Δ	▲	Δ
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.									P	-	●
									M	-	-
									K	-	-
									N	-	-
									S	-	o
									H	-	-



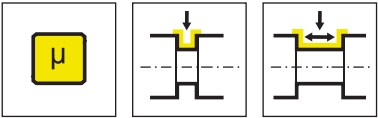
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R = rechts wie gezeichnet
R = right hand version shown

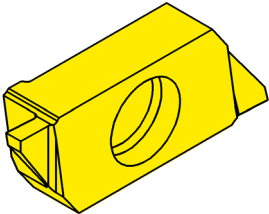
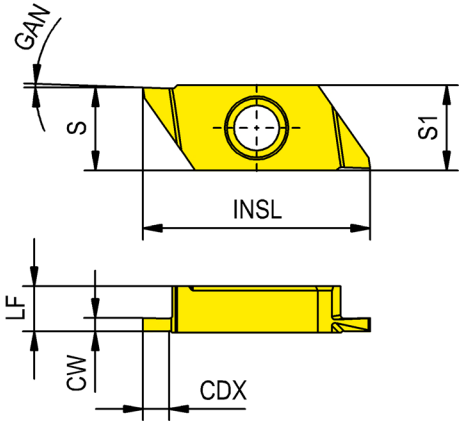
L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CF	CDX	PSIRL	PSIRR	LF	GAN	INSL	S	S1	Trennstelle M Interface M	ES15	ES1P
RS274.4508.04.SF	0,8	0,1	4	-	45°	4	2°	20	7,3	7,5	274040000R	▲	Δ
RS274.4509.04.SF	0,9	0,1	4	-	45°	4	2°	20	7,3	7,5	274040000R	▲	Δ
RS274.4510.06.SF	1	0,1	6	-	45°	4	2°	20	7,3	7,5	274040000R	▲	Δ
RS274.4512.06.SF	1,2	0,1	6	-	45°	4	2°	20	7,3	7,5	274040000R	▲	Δ
RS274.6015.02.SF	1,5	0,1	2,5	-	60°	2,3	2°	20	7,3	7,5	274040000R	▲	Δ
RS274.7010.02.SF	1	0,1	2,5	-	70°	2,9	2°	20	7,3	7,5	274040000R	Δ	Δ
LS274.4509.04.SF	0,9	0,1	4	45°	-	4	2°	20	7,3	7,5	274040000L	Δ	Δ
CDX 6 mm nur bei Werkstück-Ø ≤ 25 mm erreichbar. CDX 6 mm can be reached only with workpiece Ø ≤ 25 mm.												P	●
												M	-
												K	-
												N	-
												S	o
												H	-



B12



R = rechts wie gezeichnet
R = right hand version shown

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	LF	GAN	INSL	S	S1	Trennstelle M Interface M		ES15	ES1P
RS274.0005.01.SF	0,5	1	4	2°	20	7,3	7,5	274040000R		▲	Δ
RS274.0010.02.SF	1	2	4	2°	20	7,3	7,5	274040000R		▲	Δ
RS274.0012.02.SF	1,2	2	4	2°	20	7,3	7,5	274040000R		Δ	Δ
RS274.0015.03.SF	1,5	3	4	2°	20	7,3	7,5	274040000R		Δ	Δ
RS274.0020.03.SF	2	3	4	2°	20	7,3	7,5	274040000R		Δ	Δ
									P	●	●
									M	-	-
									K	-	-
									N	-	-
									S	o	o
									H	-	-

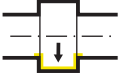
DREISCHNEIDER

THREE-EDGE

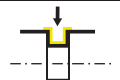
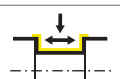
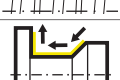
System/System	Seite/Page
32T	408
34T	418
312	430
315	478
316	504
395	516

Kapitel Chapter	C						D	
	C1	C2	C3	C4	C5	C6	D1	D2
System System	32T	34T	312	315	316	395	64T	66T

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 46	≥ 43		26		
CW			0,4-5,28	0,3-20		8,5-15,5		
			•	•		•		
				•		•		
				•				
								

Außenbearbeitung / External Grooving

CDX	≤ 3,5	6,5	≤ 8	≤ 6	≤ 8	4	≤ 5,5	≤ 9,5
CW	0,34-2,5	1,03-5	0,4-5,28	0,3-20	1,5-3	8,5-15,5	0,38-3,26	2-3
	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•
	•	•	•	•	•		•	•
				•			•	
		•		•				
			•	•				

32T

C1



Klemmhalter und Schneidplatten

Stechbreite 0,34 - 2,5 mm
Stechtiefe bis 3,5 mm

Toolholder and Inserts

Width of groove 0,34 - 2,5 mm
Depth of groove up to 3,5 mm

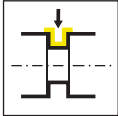
Inhaltsangabe

Summary

Geometrien und
Vorschübe
Geometries and feed rates

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Klemmhalter
Toolholder
H32T

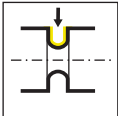


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Wendeschneidplatte
Indexable insert
S32T



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413-414



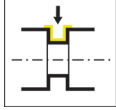
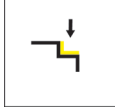
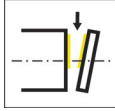
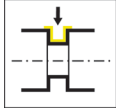
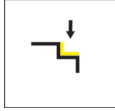
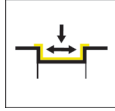
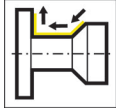
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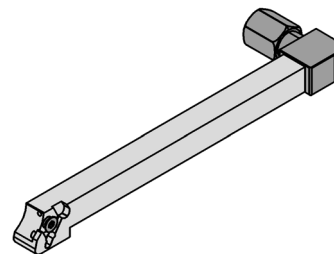
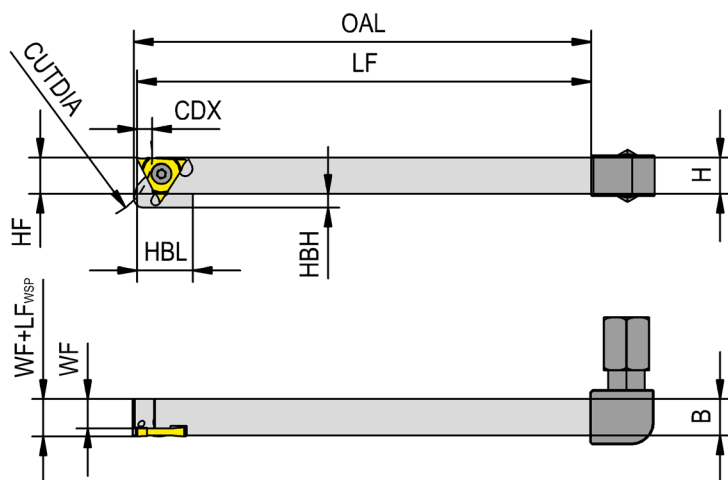
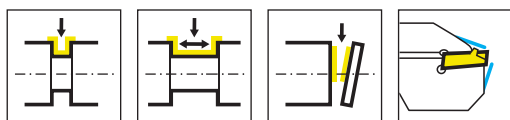
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Seite/Page
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Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,05-0,15	    
	P M K N S H	↓ 0,02-0,08 ↔ 0,02-0,04	    

C1



C1

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

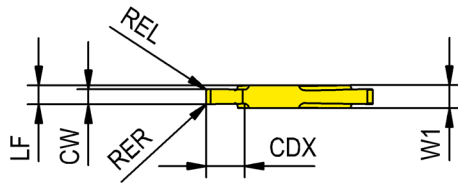
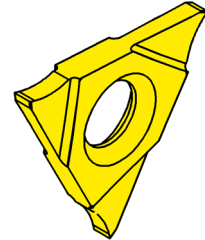
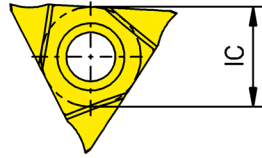
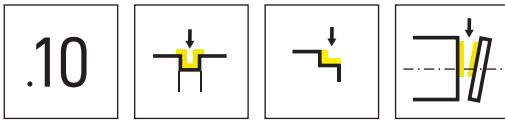
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RH32T.0808.6.10.IK	3,5	15,5	8	8	100,7	100	12,3	3	6,5	8	32T014N • 32T014R
RH32T.0808.6.20.IK	3,5	15,5	8	8	100,7	100	12,3	3	6	8	32T024N • 32T024R
RH32T.1010.6.10.IK	3,5	15,5	10	10	100,7	100	-	-	8,5	10	32T014N • 32T014R
RH32T.1010.6.20.IK	3,5	15,5	10	10	100,7	100	-	-	8	10	32T024N • 32T024R
RH32T.1212.6.10.IK	3,5	15,5	12	12	100,7	100	-	-	10,5	12	32T014N • 32T014R
RH32T.1212.6.20.IK	3,5	15,5	12	12	100,7	100	-	-	10	12	32T024N • 32T024R
RH32T.1616.6.10.IK	3,5	15,5	16	16	125,7	125	-	-	14,5	16	32T014N • 32T014R
RH32T.1616.6.20.IK	3,5	15,5	16	16	125,7	125	-	-	14	16	32T024N • 32T024R
LH32T.0808.6.10.IK	3,5	15,5	8	8	100,7	100	12,3	3	6,5	8	32T014N • 32T014L
LH32T.0808.6.20.IK	3,5	15,5	8	8	100,7	100	12,3	3	6	8	32T024N • 32T024L
LH32T.1010.6.10.IK	3,5	15,5	10	10	100,7	100	-	-	8,5	10	32T014N • 32T014L
LH32T.1010.6.20.IK	3,5	15,5	10	10	100,7	100	-	-	8	10	32T024N • 32T024L
LH32T.1212.6.10.IK	3,5	15,5	12	12	100,7	100	-	-	10,5	12	32T014N • 32T014L
LH32T.1212.6.20.IK	3,5	15,5	12	12	100,7	100	-	-	10	12	32T024N • 32T024L
LH32T.1616.6.10.IK	3,5	15,5	16	16	125,7	125	-	-	14,5	16	32T014N • 32T014L
LH32T.1616.6.20.IK	3,5	15,5	16	16	125,7	125	-	-	14	16	32T024N • 32T024L

Bei Schaftabmessung 8 x 8 mm, Klemmhalter mit Absetzung am Kopf (I2).
For shank dimension 8 x 8 mm toolholder with offset at the head (I2).

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Kühlmittelanschluss Coolant supply	Verschlusschraube Screw Plug
R/LH32T.0808.6...	030.2507.T7P	T7PL		
R/LH32T...	030.2507.T7P	T7PL	004.00.22	
R/LH32T.1616.6...	030.2507.T7P	T7PL	004.00.16	18.908

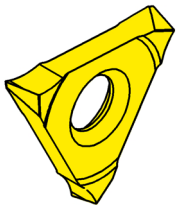
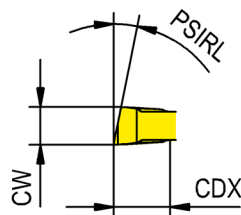
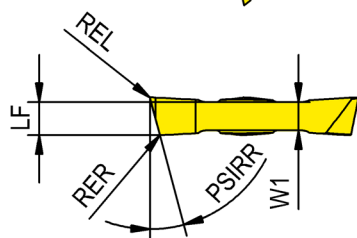
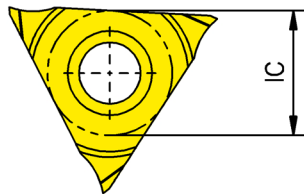
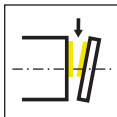


Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M		EG35	EG55
S32T.0050.00	0,5	1,5	0,05	0,05	1,5	1	6,6	32T014N		▲	
S32T.0070.00	0,7	2	0,05	0,05	1,5	1,1	6,6	32T014N		▲	
S32T.0080.00	0,8	2,5	0,05	0,05	1,5	1,15	6,6	32T014N		▲	
S32T.0100.00	1	2,5	0,05	0,05	1,5	1,25	6,6	32T014N			▲
S32T.0120.00	1,2	2,5	0,05	0,05	1,5	1,35	6,6	32T014N			▲
S32T.0150.00	1,5	2,5	0,05	0,05	1,5	1,5	6,6	32T014N			▲
S32T.0200.00	2	3,5	0,05	0,05	1,5	1,75	6,6	32T014N			▲
S32T.0250.00	2,5	3,5	0,05	0,05	2	2,25	6,6	32T024N			▲
									P	●	●
									M	●	●
									K	-	-
									N	-	-
									S	-	-
									H	-	-

.10



C1

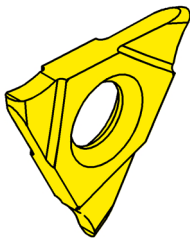
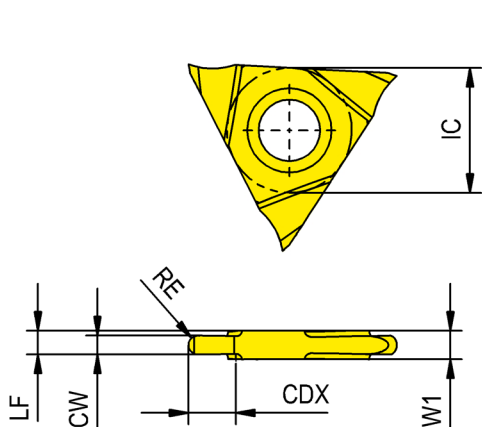
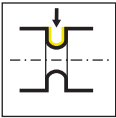
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

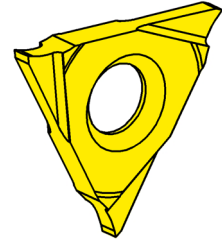
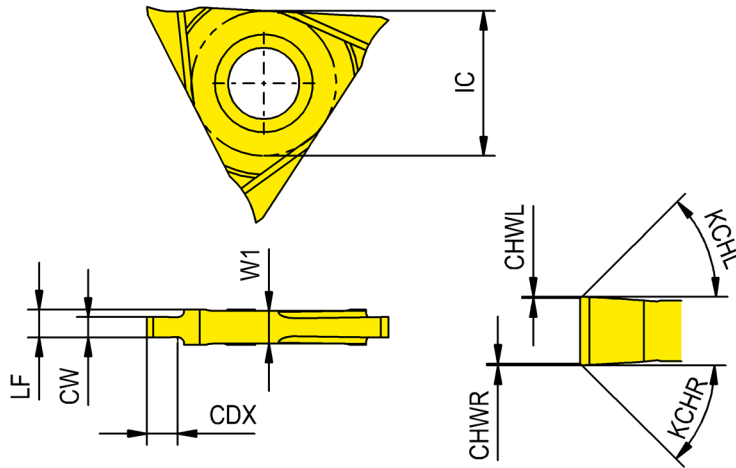
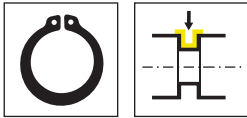
Artikelnummer Part number	CW	CDX	REL	RER	PSIRL	PSIRR	W1	LF	IC	Trennstelle M Interface M	EG55
RS32T.1520.10	2	3,5	0,05	0,05	-	15°	1,5	1,75	6,6	32T014N	▲
LS32T.1520.10	2	3,5	0,05	0,05	15°	-	1,5	1,75	6,6	32T014N	▲
										P	●
										M	●
										K	-
										N	-
										S	-
										H	-



Sorten
Grades
▲ ab Lager
▲ on stock
Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	CDX	RE	W1	LF	IC	Trennstelle M Interface M		EG35	EG55
S32T.0050.25	0,5	1,5	0,25	1,5	1	6,6	32T014N		▲	
S32T.0100.50	1	2,5	0,5	1,5	1,25	6,6	32T014N			▲
S32T.0200.10	2	3,5	1	1,5	1,75	6,6	32T014N			▲
								P	●	●
								M	●	●
								K	-	-
								N	-	-
								S	-	-
								H	-	-

C1



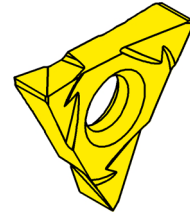
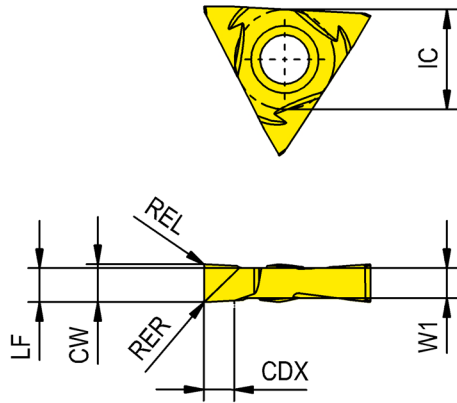
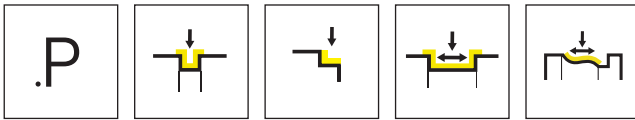
Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	RTRG	CDX	KCHL	KCHR	CHWL	CHWR	W1	LF	IC	Trennstel- le M Interface M	EG35	EG55
S32T.0034.01.00	0,38	0,34	0,6	-	-	-	-	1,5	0,94	6,6	32T014N	Δ	
S32T.0044.01.00	0,48	0,44	0,7	-	-	-	-	1,5	0,99	6,6	32T014N	Δ	
S32T.0050.01.00	0,54	0,5	0,7	-	-	-	-	1,5	1,02	6,6	32T014N	▲	
S32T.0060.01.00	0,64	0,6	0,8	-	-	-	-	1,5	1,07	6,6	32T014N	▲	
S32T.0070.01.00	0,74	0,7	1,1	-	-	-	-	1,5	1,12	6,6	32T014N	▲	
S32T.0080.01.00	0,84	0,8	1,2	-	-	-	-	1,5	1,17	6,6	32T014N	▲	
S32T.0090.01.00	0,94	0,9	1,4	-	-	-	-	1,5	1,22	6,6	32T014N	▲	
S32T.0100.01.00	1,04	1	1,6	-	-	-	-	1,5	1,27	6,6	32T014N		▲
S32T.0110.01.00	1,21	1,1	1,6	45°	45°	0,05	0,05	1,5	1,36	6,6	32T014N		▲
S32T.0130.01.00	1,41	1,3	2	45°	45°	0,05	0,05	1,5	1,46	6,6	32T014N		▲
S32T.0160.01.00	1,71	1,6	3	45°	45°	0,05	0,05	1,5	1,61	6,6	32T014N		▲
S32T.0185.01.00	1,96	1,85	3	45°	45°	0,05	0,05	1,5	1,73	6,6	32T014N		▲
S32T.0215.01.00	2,26	2,15	3	45°	45°	0,05	0,05	2	2,13	6,6	32T024N		▲

Abmessungen für Seegerringnuten DIN 471/472
Widths for circlip grooves DIN 471/472

P	●	●
M	●	●
K	-	-
N	-	-
S	-	-
H	-	-



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

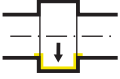
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M	EG55
RS32T.0150.P0	1,5	2	0,05	0,05	1,5	1,7	6,6	32T014R	▲
RS32T.0200.P0	2	2	0,05	0,05	1,5	1,75	6,6	32T014R	▲
RS32T.0250.P0	2,5	2	0,1	0,1	2	2,25	6,6	32T024R	▲
LS32T.0150.P0	1,5	2	0,05	0,05	1,5	1,7	6,6	32T014L	▲
LS32T.0200.P0	2	2	0,05	0,05	1,5	1,75	6,6	32T014L	▲
LS32T.0250.P0	2,5	2	0,1	0,1	2	2,25	6,6	32T024L	▲
								P	●
								M	●
								K	-
								N	-
								S	-
								H	-

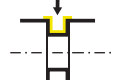
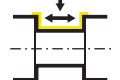
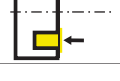
C1

Kapitel Chapter	C						D	
	C1	C2	C3	C4	C5	C6	D1	D2
System System	32T	34T	312	315	316	395	64T	66T

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 46	≥ 43		26		
CW			0,4-5,28	0,3-20		8,5-15,5		
			•	•		•		
				•		•		
				•				
								

Außenbearbeitung / External Grooving

CDX	≤ 3,5	6,5	≤ 8	≤ 6	≤ 8	4	≤ 5,5	≤ 9,5
CW	0,34-2,5	1,03-5	0,4-5,28	0,3-20	1,5-3	8,5-15,5	0,38-3,26	2-3
	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•
	•	•	•	•	•		•	•
				•			•	
		•		•				
			•	•				

34T



C2

Klemmhalter und Schneidplatten

Stechbreite 1,03 - 5 mm
Stechtiefe bis 6,5 mm

Toolholder and Inserts

Width of groove 1.03 - 5 mm
Depth of groove up to 6,5 mm

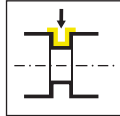
Inhaltsangabe

Summary

Geometrien und
Vorschübe
Geometries and feed rates

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Klemmhalter
Toolholder
H34T

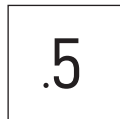


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Wendeschneidplatte
Indexable insert
S34T



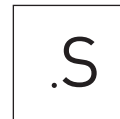
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Seite/Page
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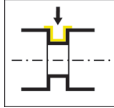
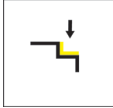
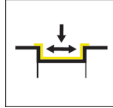
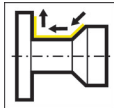
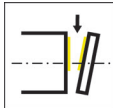
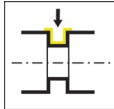
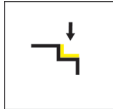
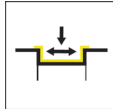
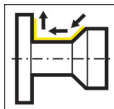
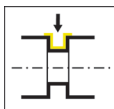
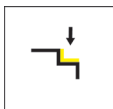
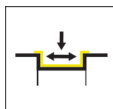
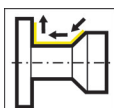
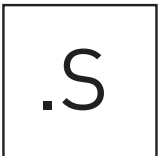
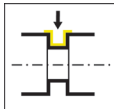
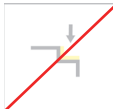
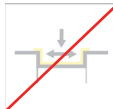
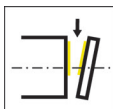
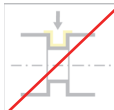
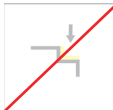
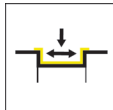
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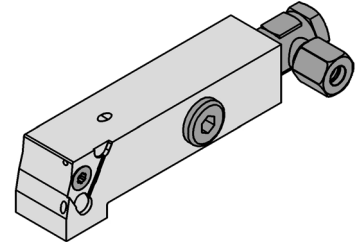
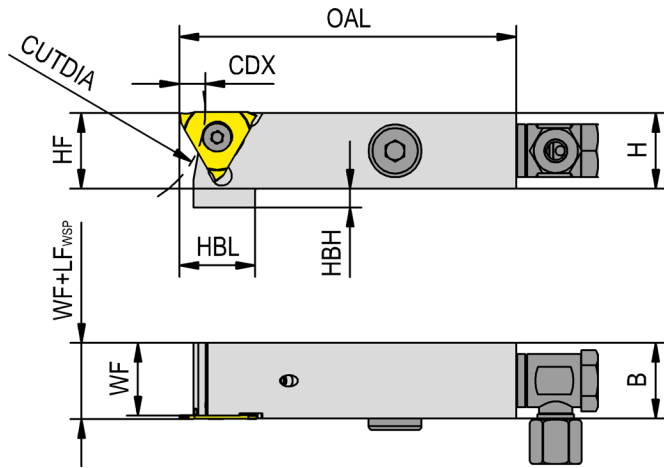
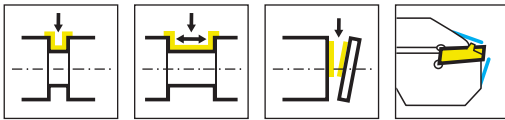
Schneidplatte
Insert
S34T



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C2

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,15-0,25 ↔ 0,15-0,40	    
	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	    
	P M K N S H	↓ 0,03-0,15 ↔ 0,05-0,20	    
	P M K N S H	↓ 0,02-0,08	    
	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	    



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

C2

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	HBL	HBH	WF	HF	Trennstelle W Interface W
RH34T.1212.6.00.IK	6,5	60	12	12	74	20	9	11,2	12	34T004R
RH34T.1616.6.00.IK	6,5	60	16	16	74	20	5	15,2	16	34T004R
RH34T.2020.4.00.IK	6,5	60	20	20	89	20	5	19,2	20	34T004R
RH34T.2020.6.00.IK	6,5	60	20	20	89	20	5	19,2	20	34T004R
LH34T.1212.6.00.IK	6,5	60	12	12	74	20	9	11,2	12	34T004L
LH34T.1616.6.00.IK	6,5	60	16	16	74	20	5	15,2	16	34T004L
LH34T.2020.4.00.IK	6,5	60	20	20	89	20	5	19,2	20	34T004L
LH34T.2020.6.00.IK	6,5	60	20	20	89	20	5	19,2	20	34T004L

Hinweis:

...6.00.IK = Kühlmittelzufuhr über Verschraubung

...4.00.IK = Kühlmittelzufuhr über Langloch VDI

Note:

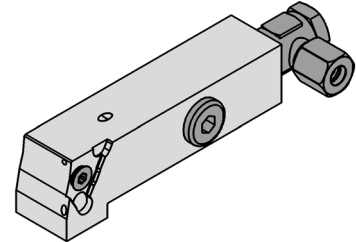
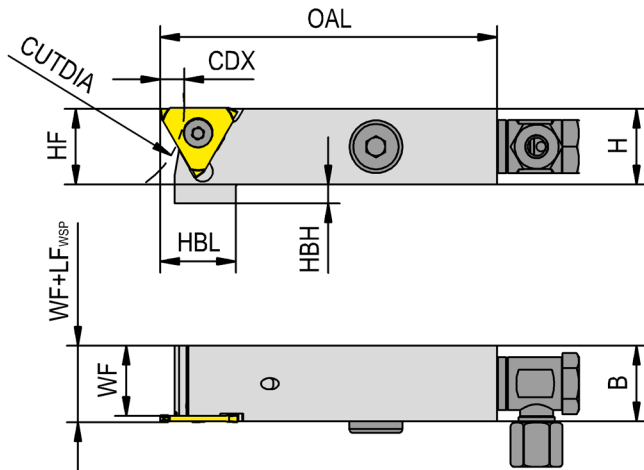
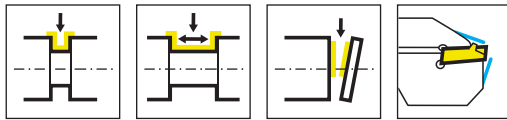
...6.00.IK = Coolant through coolant supply

...4.00.IK = Coolant through slotted hole VDI

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/LH34T.1212.6.00.IK	004.00.22	030.4093.T15P	T15PQ	
R/LH34T...	004.00.16	030.4093.T15P	T15PQ	004.00.26
R/LH34T.2020.4.00.IK		030.4093.T15P	T15PQ	



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

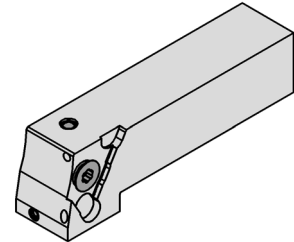
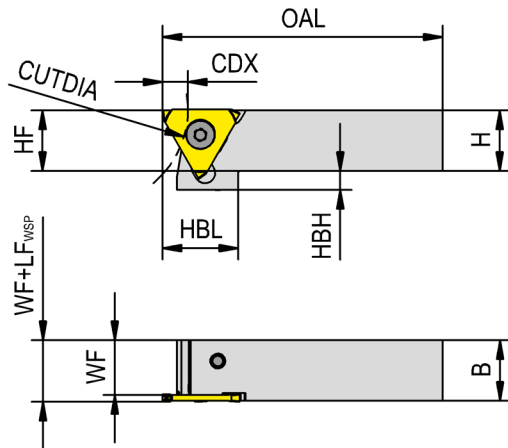
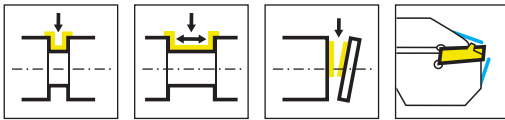
C2

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	HBL	HBH	WF	HF	Trennstelle W Interface W
RH34T.1212.6.10.IK	6,5	60	12	12	74	20	9	10,5	12	34T014N
RH34T.1212.6.20.IK	6,5	60	12	12	74	20	9	9,5	12	34T024N
RH34T.1212.6.30.IK	6,5	60	12	12	75	20	9	8,5	12	34T034N
RH34T.1616.6.10.IK	6,5	60	16	16	74	20	5	14,5	16	34T014N
RH34T.1616.6.20.IK	6,5	60	16	16	74	20	5	13,5	16	34T024N
RH34T.1616.6.30.IK	6,5	60	16	16	75	20	5	12,5	16	34T034N
RH34T.1616.6.40.IK	6,5	60	16	16	75	20	5	11,5	16	34T044N
RH34T.2020.6.10.IK	6,5	60	20	20	89	20	5	18,5	20	34T014N
RH34T.2020.6.20.IK	6,5	60	20	20	89	20	5	17,5	20	34T024N
RH34T.2020.6.30.IK	6,5	60	20	20	90	20	5	16,5	20	34T034N
RH34T.2020.6.40.IK	6,5	60	20	20	90	20	5	15,5	20	34T044N
LH34T.1212.6.10.IK	6,5	60	12	12	74	20	9	10,5	12	34T014N
LH34T.1212.6.20.IK	6,5	60	12	12	74	20	9	9,5	12	34T024N
LH34T.1212.6.30.IK	6,5	60	12	12	75	20	9	8,5	12	34T034N
LH34T.1616.6.10.IK	6,5	60	16	16	74	20	5	14,5	16	34T014N
LH34T.1616.6.20.IK	6,5	60	16	16	74	20	5	13,5	16	34T024N
LH34T.1616.6.30.IK	6,5	60	16	16	75	20	5	12,5	16	34T034N
LH34T.1616.6.40.IK	6,5	60	16	16	75	20	5	11,5	16	34T044N
LH34T.2020.6.10.IK	6,5	60	20	20	89	20	5	18,5	20	34T014N
LH34T.2020.6.20.IK	6,5	60	20	20	89	20	5	17,5	20	34T024N
LH34T.2020.6.30.IK	6,5	60	20	20	90	20	5	16,5	20	34T034N
LH34T.2020.6.40.IK	6,5	60	20	20	90	20	5	15,5	20	34T044N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/LH34T.1212.6.10.IK	004.00.22	030.4093.T15P	T15PQ	
R/LH34T.1212.6.20.IK	004.00.22	030.4010.T15P	T15PQ	
R/LH34T.1212.6.30.IK	004.00.22	030.5012.T15P	T15PQ	
R/LH34T...	004.00.16	030.4093.T15P	T15PQ	004.00.26
R/LH34T.1616.6.20.IK	004.00.16	030.4010.T15P	T15PQ	004.00.26
R/LH34T...	004.00.16	030.5012.T15P	T15PQ	004.00.26



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

C2

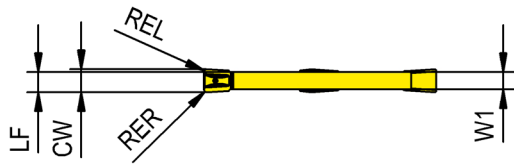
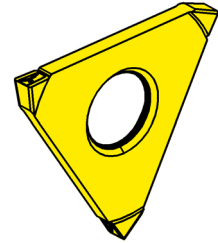
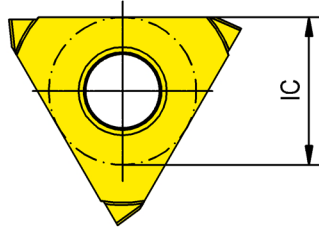
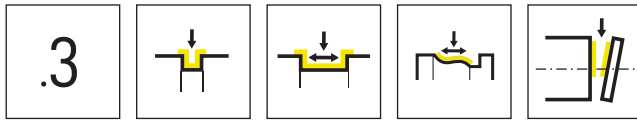
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	HBL	HBH	WF	HF	Trennstelle W Interface W
RH34T.1616.4.10.IK	6,5	60	16	16	74	20	5	14,5	16	34T014N
RH34T.1616.4.20.IK	6,5	60	16	16	74	20	5	13,5	16	34T024N
RH34T.2020.4.10.IK	6,5	60	20	20	89	20	5	18,5	20	34T014N
RH34T.2020.4.20.IK	6,5	60	20	20	89	20	5	17,5	20	34T024N
RH34T.2020.4.30.IK	6,5	60	20	20	90	20	5	16,5	20	34T034N
RH34T.2020.4.40.IK	6,5	60	20	20	90	20	5	15,5	20	34T044N
RH34T.2525.4.10.IK	6,5	60	25	25	104	20	5	23,5	25	34T014N
RH34T.2525.4.20.IK	6,5	60	25	25	104	20	5	22,5	25	34T024N
RH34T.2525.4.30.IK	6,5	60	25	25	105	20	5	21,5	25	34T034N
RH34T.2525.4.40.IK	6,5	60	25	25	105	20	5	20,5	25	34T044N
LH34T.1616.4.10.IK	6,5	60	16	16	74	20	5	14,5	16	34T014N
LH34T.1616.4.20.IK	6,5	60	16	16	74	20	5	13,5	16	34T024N
LH34T.2020.4.10.IK	6,5	60	20	20	89	20	5	18,5	20	34T014N
LH34T.2020.4.20.IK	6,5	60	20	20	89	20	5	17,5	20	34T024N
LH34T.2020.4.30.IK	6,5	60	20	20	90	20	5	16,5	20	34T034N
LH34T.2020.4.40.IK	6,5	60	20	20	90	20	5	15,5	20	34T044N
LH34T.2525.4.10.IK	6,5	60	25	25	104	20	5	23,5	25	34T014N
LH34T.2525.4.20.IK	6,5	60	25	25	104	20	5	22,5	25	34T024N
LH34T.2525.4.30.IK	6,5	60	25	25	105	20	5	21,5	25	34T034N
LH34T.2525.4.40.IK	6,5	60	25	25	105	20	5	20,5	25	34T044N

Interner Kühlmittelanschluss mittels Langloch.
Internal coolant connection through slotted hole.

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH34T...	030.4093.T15P	T15PQ
R/LH34T...20.IK	030.4010.T15P	T15PQ
R/LH34T...30.IK	030.5012.T15P	T15PQ
R/LH34T...40.IK	030.5012.T15P	T20PQ

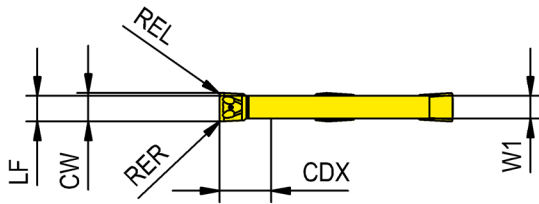
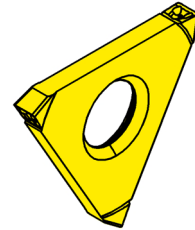
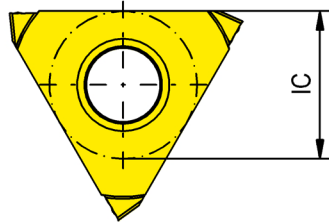
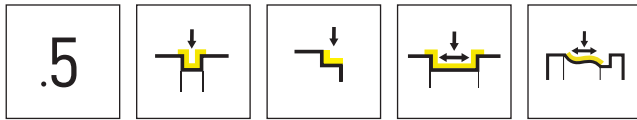


Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

C2

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M		AS45	EG55
S34T.0200.32	2,01	6,5	0,2	0,2	1,5	1,76	13	34T014N	▲	▲	▲
S34T.0200.34	2,01	6,5	0,4	0,4	1,5	1,76	13	34T014N	▲	▲	▲
S34T.0250.32	2,51	6,5	0,2	0,2	2	2,26	13	34T024N	Δ	▲	▲
S34T.0250.34	2,51	6,5	0,4	0,4	2	2,26	13	34T024N	Δ	▲	▲
S34T.0300.32	3,01	6,5	0,2	0,2	2,5	2,76	13	34T024N	Δ	▲	▲
S34T.0300.34	3,01	6,5	0,4	0,4	2,5	2,76	13	34T024N	Δ	▲	▲
S34T.0400.32	4,01	6,5	0,2	0,2	3,5	3,76	13	34T034N	▲	▲	▲
S34T.0500.32	5,01	6,5	0,2	0,2	4,5	4,76	13	34T044N		▲	▲
S34T.0500.34	5,01	6,5	0,4	0,4	4,5	4,76	13	34T044N		▲	▲
									P	●	●
									M	●	●
									K	-	-
									N	-	-
									S	-	-
									H	-	-

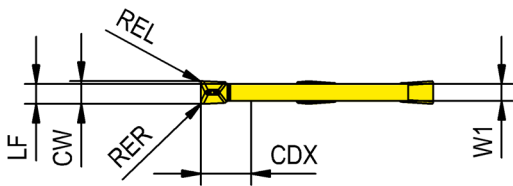
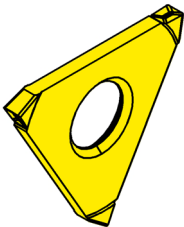
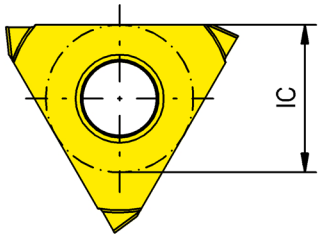
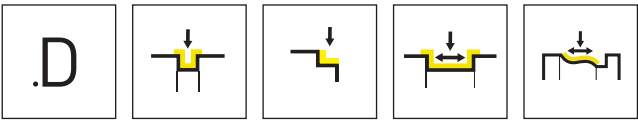


Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

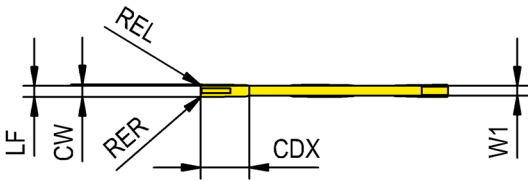
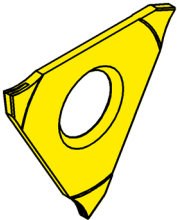
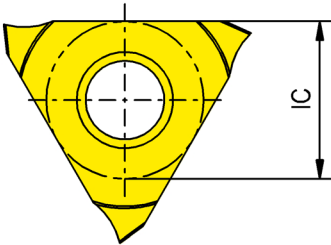
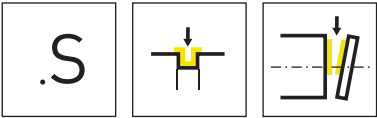
C2

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M		AS45	EG55
S34T.0250.52	2,51	6,5	0,2	0,2	2	2,26	13	34T024N		▲	
S34T.0250.54	2,51	6,5	0,4	0,4	2	2,26	13	34T024N		▲	▲
S34T.0300.52	3,01	6,5	0,2	0,2	2,5	2,76	13	34T024N		Δ	▲
S34T.0300.54	3,01	6,5	0,4	0,4	2,5	2,76	13	34T024N		Δ	▲
S34T.0400.52	4,01	6,5	0,2	0,2	3,5	3,76	13	34T034N		▲	
S34T.0400.54	4,01	6,5	0,4	0,4	3,5	3,76	13	34T034N		▲	▲
S34T.0500.52	5,01	6,5	0,2	0,2	4,5	4,76	13	34T044N			▲
									P	●	●
									M	-	-
									K	-	-
									N	-	-
									S	-	-
									H	-	-



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M		AS45	EG55	
S34T.0200.D2	2,01	6,5	0,2	0,2	1,5	1,76	13	34T014N		▲	▲	
S34T.0200.D4	2,01	6,5	0,4	0,4	1,5	1,76	13	34T014N		Δ	Δ	
S34T.0250.D2	2,51	6,5	0,2	0,2	2	2,26	13	34T024N		Δ		
S34T.0250.D4	2,51	6,5	0,4	0,4	2	2,26	13	34T024N		▲	▲	
S34T.0300.D2	3,01	6,5	0,2	0,2	2,5	2,76	13	34T024N		Δ	▲	
S34T.0300.D4	3,01	6,5	0,4	0,4	2,5	2,76	13	34T024N		Δ		
										P	●	●
										M	●	●
										K	-	-
										N	-	-
										S	-	-
										H	-	-

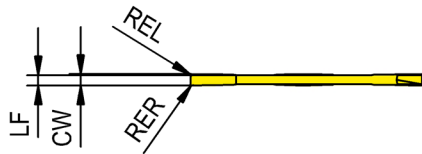
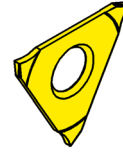
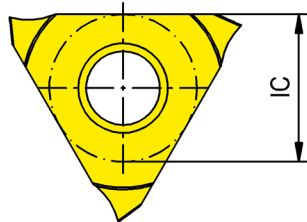
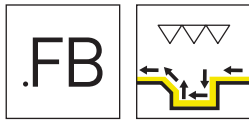


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M	IG35
RS34T.0100.3S	1,03	6,5	0,15	0,15	0,83	0,93	13	34T004R	▲
LS34T.0100.3S	1,03	6,5	0,15	0,15	0,83	0,93	13	34T004L	▲
								P	●
								M	●
								K	-
								N	-
								S	o
								H	-



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

C2

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M	EG35
RS34T.FB10.01	1	6,5	0,1	0,1	0,8	0,9	13	34T004R	▲
RS34T.FB15.01	1,5	6,5	0,1	0,1	1,2	1,35	13	34T004R	▲
LS34T.FB10.01	1	6,5	0,1	0,1	0,8	0,9	13	34T004L	▲
LS34T.FB15.01	1,5	6,5	0,1	0,1	1,2	1,35	13	34T004L	▲
									P ●
									M ●
									K -
									N -
									S -
									H -

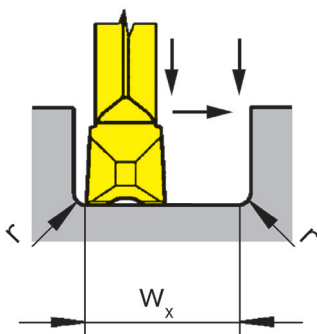
Berechnung der kleinstmöglichen Nutbreite w_x : Calculation of the smallest possible width of groove w_x :

Beispiel RS34T.FB10.01
Example

$w_x = 2 \cdot \text{Schneidbreite CW (1 mm)} - 2 \cdot \text{Eckenradius r (0,1 mm, entspricht REL und RER der Schneidplatte)}$
2 · width of groove CW (1 mm) - 2 · corner radius r (0,1 mm, corresponds to the REL and RER of the insert)

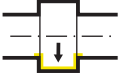
$w_x = (2 \cdot 1 \text{ mm}) - (2 \cdot 0,1 \text{ mm})$

$w_x = 1,8 \text{ mm}$

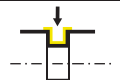
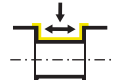
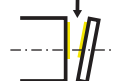


Kapitel Chapter	C						D	
	C1	C2	C3	C4	C5	C6	D1	D2
System System	32T	34T	312	315	316	395	64T	66T

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 46	≥ 43		26		
CW			0,4-5,28	0,3-20		8,5-15,5		
			•	•		•		
				•		•		
				•				
								

Außenbearbeitung / External Grooving

CDX	≤ 3,5	6,5	≤ 8	≤ 6	≤ 8	4	≤ 5,5	≤ 9,5
CW	0,34-2,5	1,03-5	0,4-5,28	0,3-20	1,5-3	8,5-15,5	0,38-3,26	2-3
	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•
	•	•	•	•	•		•	•
				•			•	
		•		•				
			•	•				

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C3

Klemmhalter und Schneidplatten

Stechbreite 0,4 - 5,28 mm
Stechtiefe bis 8 mm

Toolholder and Inserts

Width of groove 0,4 - 5,28 mm
Depth of groove up to 8 mm

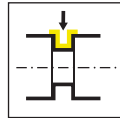
Inhaltsangabe

Summary

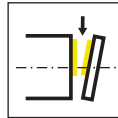
Geometrien und
Vorschübe
Geometries and feed rates

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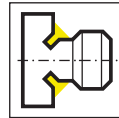
Klemmhalter
Toolholder
360/361/368/391
369/390/309/340



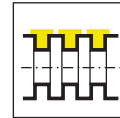
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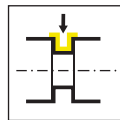


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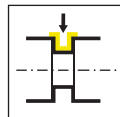
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Einbauhalter Graf
Cartridge Graf
64/65/99



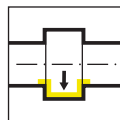
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Einstellbare Halter
Adjustable holder
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Grundhalter
Basic toolholder
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Wendeschneidplatte
Indexable insert
S312/312



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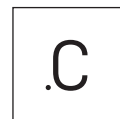
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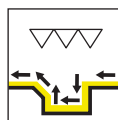
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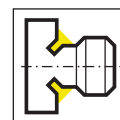
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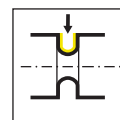
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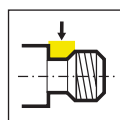
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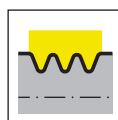
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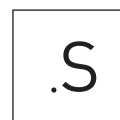
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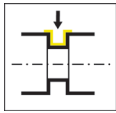
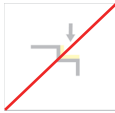
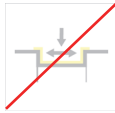
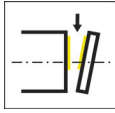
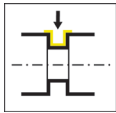
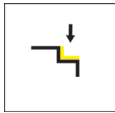
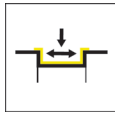
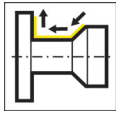
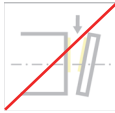
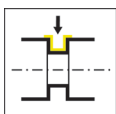
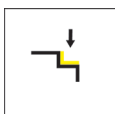
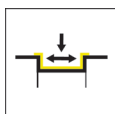
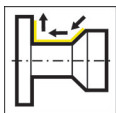
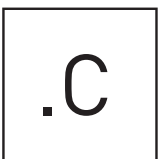
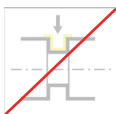
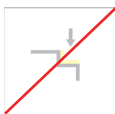
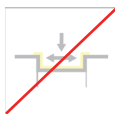
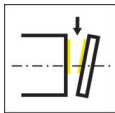
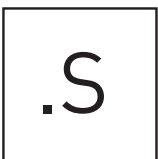
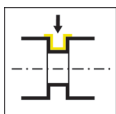
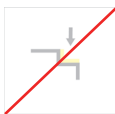
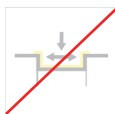
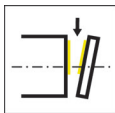
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474-475



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Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,03-0,15	    
	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	    
	P M K N S H	↓ 0,03-0,15 ↔ 0,05-0,20	    
	P M K N S H	↓ 0,02-0,10	    
	P M K N S H	↓ 0,02-0,08	    

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
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				0,02-0,08 0,02-0,04	 	

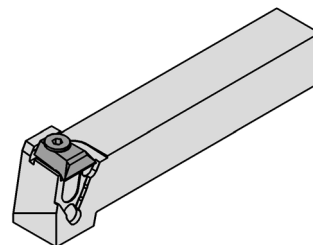
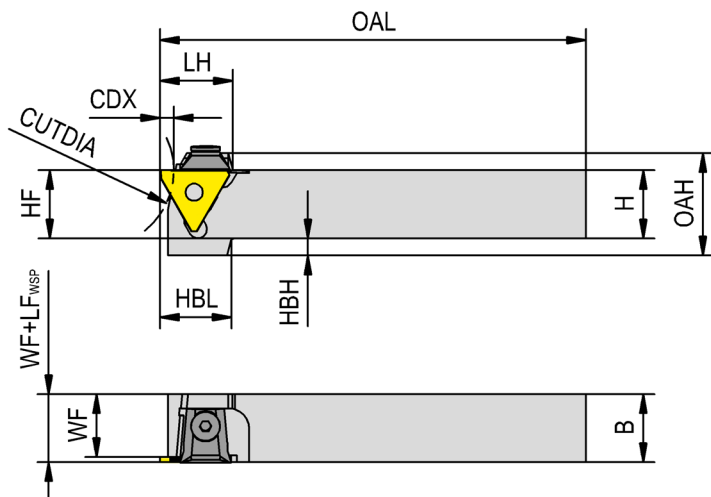
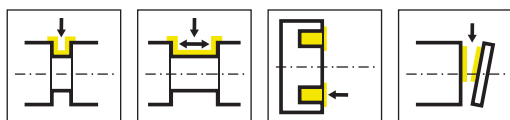
				0,02-0,12	 	

				0,02-0,10 0,02-0,15	 	

Übersicht Spannelemente

Overview clamping elements

Größe Size	Spannelement Clamping element				
	12x12	16x16	20x20	25x25	32x32
1	11.3	11.3	16.4	16.4	16.4
2	11.3	11.3	16.4	16.4	16.4
3	11.3	11.3	16.4	16.4	16.4
4	-	13.4	16.4	16.4	16.4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

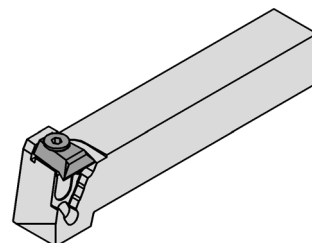
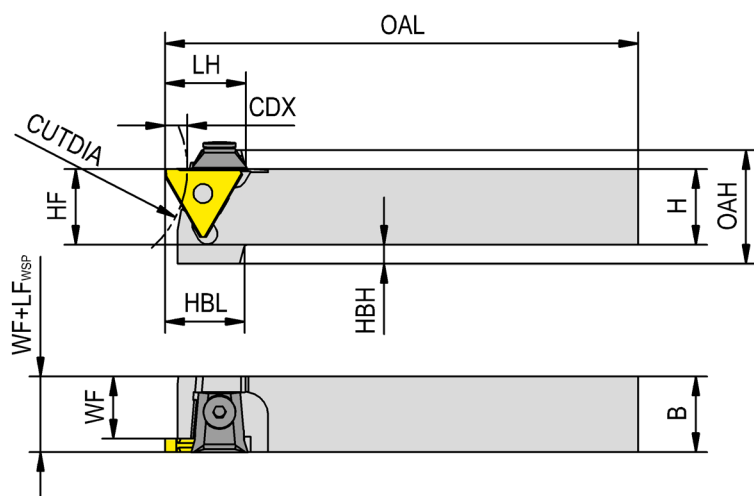
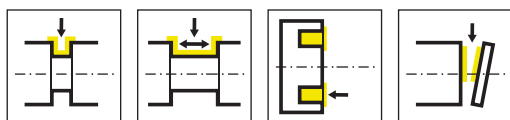
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R360.1212.01	4	40	12	12	100	22	24	30	13	10,5	12	31201000N
R360.1616.01	4	40	16	16	125	22	22	30	9	14,5	16	31201000N
R360.2020.01	4	40	20	20	125	22	21	30	5	18,5	20	31201000N
R360.2525.01	4	40	25	25	150	22	-	30	-	23,5	25	31201000N
R360.3232.01	4	40	32	32	170	22	-	37	-	30,5	32	31201000N
R360.1212.02	6	40	12	12	100	22	24	30	13	9,5	12	31202000N
R360.1616.02	6	40	16	16	125	22	22	30	9	13,5	16	31202000N
R360.2020.02	6	40	20	20	125	22	21	30	5	17,5	20	31202000N
R360.2525.02	6	40	25	25	150	22	-	30	-	22,5	25	31202000N
R360.3232.02	6	40	32	32	170	22	-	37	-	29,5	32	31202000N
L360.1212.01	4	40	12	12	100	22	24	30	13	10,5	12	31201000N
L360.1616.01	4	40	16	16	125	22	22	30	9	14,5	16	31201000N
L360.2020.01	4	40	20	20	125	22	21	30	5	18,5	20	31201000N
L360.2525.01	4	40	25	25	150	22	-	30	-	23,5	25	31201000N
L360.3232.01	4	40	32	32	170	22	-	37	-	30,5	32	31201000N
L360.1212.02	6	40	12	12	100	-	24	-	13	9,5	12	31202000N
L360.1616.02	6	40	16	16	125	22	22	30	9	13,5	16	31202000N
L360.2020.02	6	40	20	20	125	22	21	30	5	17,5	20	31202000N
L360.2525.02	6	40	25	25	150	22	-	30	-	22,5	25	31202000N
L360.3232.02	6	40	32	32	170	22	-	37	-	29,5	32	31202000N

CDX nur bei Werkstück- $\varnothing \leq 40$ mm erreichbar.
CDX can be reached only with workpiece $\varnothing \leq 40$ mm

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L360.1...	11.3
R/L360...	16.4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

C3

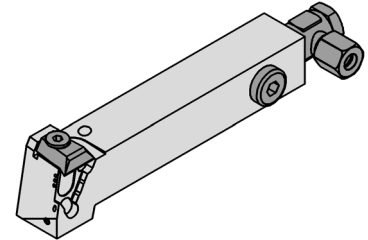
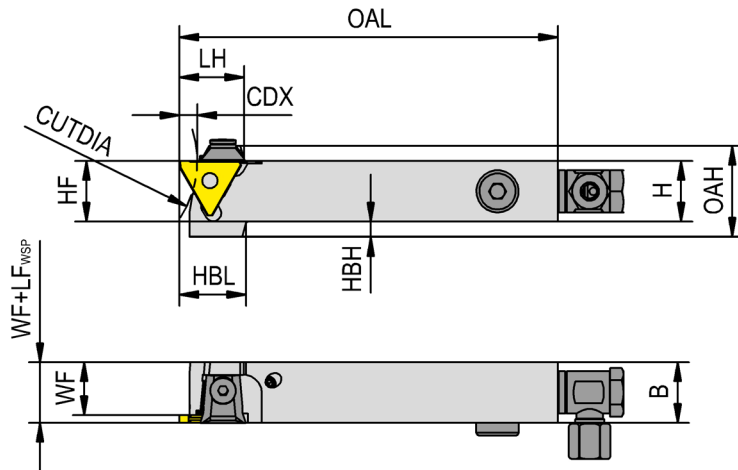
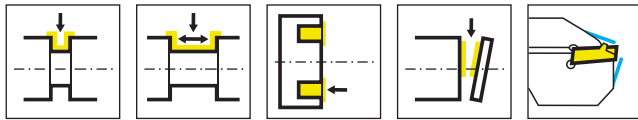
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R360.1212.03	6	40	12	12	100	22	24	30	13	8,5	12	31203000N
R360.1616.03	6	40	16	16	125	22	22	30	9	12,5	16	31203000N
R360.2020.03	6	40	20	20	125	22	21	30	5	16,5	20	31203000N
R360.2525.03	6	40	25	25	150	22	-	30	-	21,5	25	31203000N
R360.3232.03	6	40	32	32	170	22	-	37	-	28,5	32	31203000N
R360.1616.04	6	40	16	16	125	22	22	30	9	10,8	16	31204000N
R360.2020.04	6	40	20	20	125	22	21	30	5	14,8	20	31204000N
R360.2525.04	6	40	25	25	150	22	-	30	-	19,8	25	31204000N
R360.3232.04	6	40	32	32	170	22	-	37	-	26,8	32	31204000N
L360.1212.03	6	40	12	12	100	22	24	30	13	8,5	12	31203000N
L360.1616.03	6	40	16	16	125	22	22	30	9	12,5	16	31203000N
L360.2020.03	6	40	20	20	125	22	21	30	5	16,5	20	31203000N
L360.2525.03	6	40	25	25	150	22	-	30	-	21,5	25	31203000N
L360.3232.03	6	40	32	32	170	22	-	37	-	28,5	32	31203000N
L360.1616.04	6	40	16	16	125	22	22	30	9	10,8	16	31204000N
L360.2020.04	6	40	20	20	125	22	21	30	5	14,8	20	31204000N
L360.2525.04	6	40	25	25	150	22	-	30	-	19,8	25	31204000N
L360.3232.04	6	40	32	32	170	22	-	37	-	26,8	32	31202000N

CDX nur bei Werkstück-Ø ≤ 40 mm erreichbar.
CDX can be reached only with workpiece Ø ≤ 40 mm

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L360.1...	11.3
R/L360...	16.4
R/L360.1616.04	13.4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

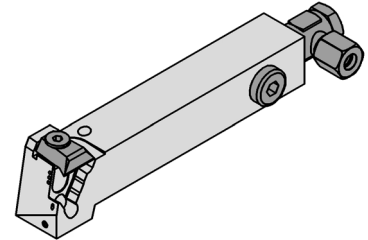
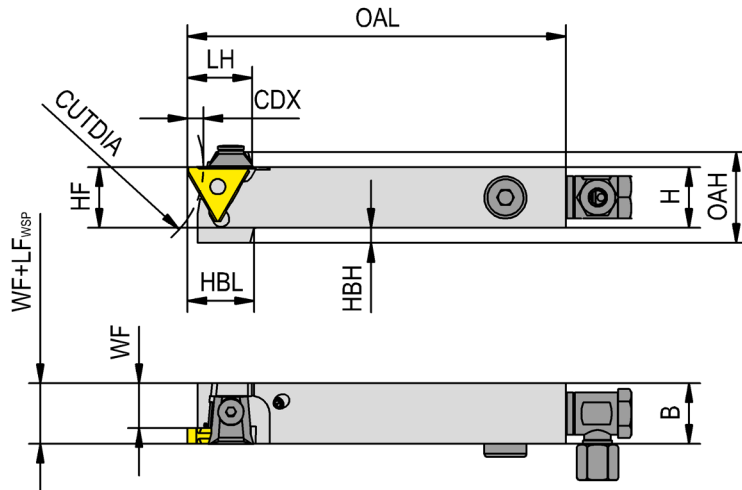
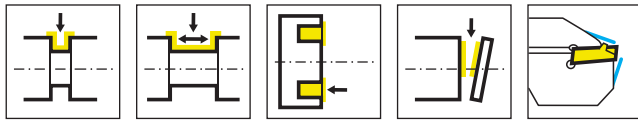
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R360.1212.01.IK	4	40	12	12	100	22	24	30	13	10,5	12	31201000N
R360.1616.01.IK	4	40	16	16	125	22	22	30	9	14,5	16	31201000N
R360.2020.01.IK	4	40	20	20	125	22	22	30	5	18,5	20	31201000N
R360.2525.01.IK	4	40	25	25	150	22	-	30	-	23,5	25	31201000N
R360.1212.02.IK	46	40	12	12	100	22	24	30	13	9,5	12	31202000N
R360.1616.02.IK	6	40	16	16	125	22	22	30	9	13,5	16	31202000N
R360.2020.02.IK	6	40	20	20	125	22	22	30	5	17,5	20	31202000N
R360.2525.02.IK	6	40	25	25	150	22	-	30	-	22,5	25	31202000N
L360.1212.01.IK	4	40	12	12	100	22	24	30	13	10,5	12	31201000N
L360.1616.01.IK	4	40	16	16	125	22	22	30	9	14,5	16	31201000N
L360.2020.01.IK	4	40	20	20	125	22	22	30	5	18,5	20	31201000N
L360.2525.01.IK	4	40	25	25	150	22	-	30	-	23,5	25	31201000N
L360.1212.02.IK	6	40	12	12	100	22	24	30	13	9,5	12	31202000N
L360.1616.02.IK	6	40	16	16	125	22	22	30	9	13,5	16	31202000N
L360.2020.02.IK	6	40	20	20	125	22	22	30	5	17,5	20	31202000N
L360.2525.02.IK	6	40	25	25	150	22	-	30	-	22,5	25	31202000N

CDX nur bei Werkstück-Ø ≤ 40 mm erreichbar.
CDX can be reached only with workpiece Ø ≤ 40 mm

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannelement Clamping element	Verschlusssschraube Screw Plug
R/L360.1212....	004.00.22	11.3	
R/L360.1616....	004.00.16	11.3	004.00.26
R/L360....	004.00.16	16.4	004.00.26



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

C3

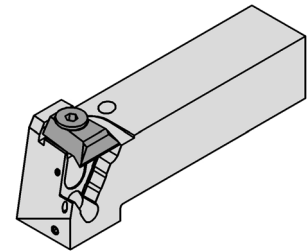
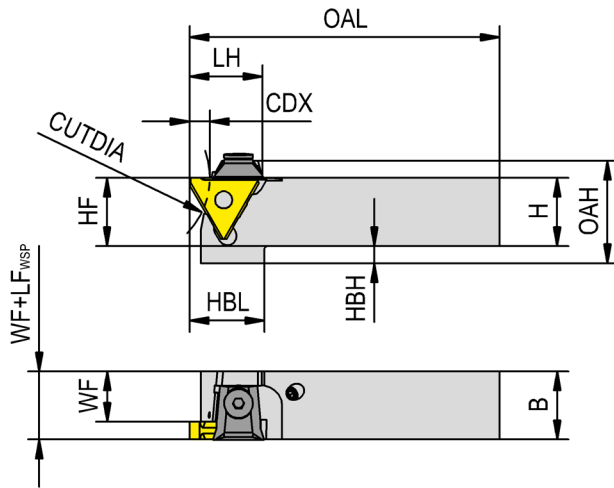
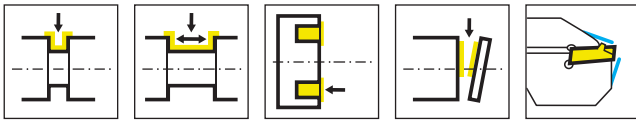
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R360.1212.03.IK	6	40	12	12	100	22	24	30	13	8,5	12	31203000N
R360.1616.03.IK	6	40	16	16	125	22	22	30	9	12,5	16	31203000N
R360.2020.03.IK	6	40	20	20	125	22	22	30	5	16,5	20	31203000N
R360.1616.04.IK	6	40	16	16	125	22	22	30	9	10,8	16	31204000N
R360.2020.04.IK	6	40	20	20	125	22	22	30	5	14,8	20	31204000N
R360.2525.04.IK	6	40	25	25	150	22	-	30	-	19,8	25	31204000N
L360.1212.03.IK	6	40	12	12	100	22	24	30	13	8,5	12	31203000N
L360.1616.03.IK	6	40	16	16	125	22	22	30	9	12,5	16	31203000N
L360.2020.03.IK	6	40	20	20	125	22	22	30	5	16,5	20	31203000N
L360.2525.03.IK	6	40	25	25	150	22	-	30	-	21,5	25	31203000N
L360.1616.04.IK	6	40	16	16	125	22	22	30	9	10,8	16	31204000N
L360.2020.04.IK	6	40	20	20	125	22	22	30	5	14,8	20	31204000N
L360.2525.04.IK	6	40	25	25	150	22	-	30	-	19,8	25	31204000N

CDX nur bei Werkstück-Ø ≤ 40 mm erreichbar.
CDX can be reached only with workpiece Ø ≤ 40 mm

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannelement Clamping element	Verschlusssschraube Screw Plug
R/L360.1212.03.IK	004.00.22	11.3	
R/L360.1616.03.IK	004.00.16	11.3	004.00.26
R/L360....	004.00.16	16.4	004.00.26
L360.2525.03.IK	004.00.16	16.4	18.908
R/L360.1616.04.IK	004.00.16	13.4	004.00.26



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R360.2020.5.01.IK	4	40	20	20	91	22	22	30	5	18,5	20	31201000N
R360.2020.5.02.IK	6	40	20	20	91	22	22	30	5	17,5	20	31202000N
R360.2020.5.03.IK	6	40	20	20	91	22	22	30	5	16,5	20	31203000N
R360.2020.5.04.IK	6	40	20	20	91	22	22	30	5	14,8	20	31204000N
L360.2020.5.01.IK	4	40	20	20	91	22	22	30	5	18,5	20	31201000N
L360.2020.5.02.IK	6	40	20	20	91	22	22	30	5	17,5	20	31202000N
L360.2020.5.03.IK	6	40	20	20	91	22	22	30	5	16,5	20	31203000N
L360.2020.5.04.IK	6	40	20	20	91	22	22	30	5	14,8	20	31204000N

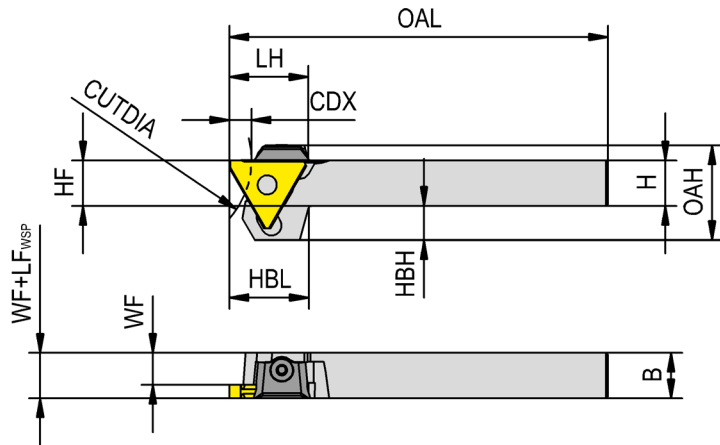
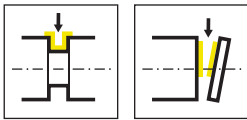
CDX nur bei Werkstück- $\varnothing \leq 40$ mm erreichbar.
CDX can be reached only with workpiece $\varnothing \leq 40$ mm

Interner Kühlmittelanschluss mittels Langloch.
Internal coolant connection through slotted hole.

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L360...	16.4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

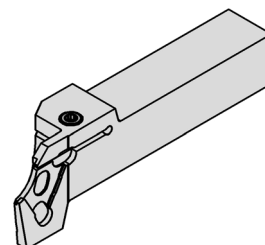
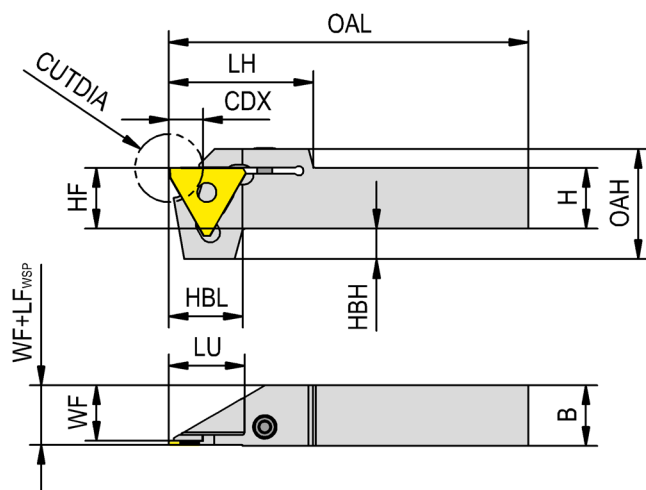
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R361.1212.01	4	40	12	12	100	21,5	17	23	7	10,5	12	31201000N
R361.1212.02	6	40	12	12	100	21,5	17	23	7	9,5	12	31202000N
R361.1212.03	6	40	12	12	100	21,5	21	25	9	8,5	12	31203000N
L361.1212.01	4	40	12	12	100	21,5	17	23	7	10,5	12	31201000N
L361.1212.02	6	40	12	12	100	21,5	17	23	7	9,5	12	31202000N
L361.1212.03	6	40	12	12	100	21,5	21	25	9	8,5	12	31203000N

CDX nur bei Werkstück- $\varnothing \leq 40$ mm erreichbar.
CDX can be reached only with workpiece $\varnothing \leq 40$ mm

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L361...	12.3	030.0422.T10P	T10PL



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R368.1212.08	8	20	16	12	12	95	38	19,5	29	12	11	12	31208000N
R368.1616.08	8	20	16	16	16	95	38	19,5	29	8	15	16	31208000N
R368.1212.11	8	20	16	12	12	95	38	19,5	29	12	10,7	12	31211000N
R368.1616.11	8	20	16	16	16	95	38	19,5	29	8	14,7	16	31211000N
L368.1212.08	8	20	16	12	12	95	38	19,5	29	12	11	12	31208000N
L368.1616.08	8	20	16	16	16	95	38	19,5	29	8	15	16	31208000N
L368.1212.11	8	20	16	12	12	95	38	19,5	29	12	10,7	12	31211000N
L368.1616.11	8	20	16	16	16	95	38	19,5	29	8	14,7	16	31211000N

für TRAUB-Maschinen (TNL12/7)
for machines TRAUB (TNL12/7)

LF siehe Wendeschneidplatten
LF see indexable inserts

Halter R/L368...08 für WSP:

R/L312.0805... / R/L312.0808... / R/L312.0510... / R/L312.0512... / R/L312.1210... / R/L312.0012...

Toolholder R/L368...08 for indexable inserts:

R/L312.0805... / R/L312.0808... / R/L312.0510... / R/L312.0512... / R/L312.1210... / R/L312.0012...

Halter R/L368...11 für WSP:

R/L312.0515... / R/L312.0015...V1

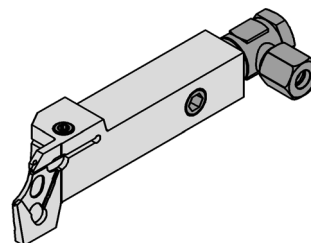
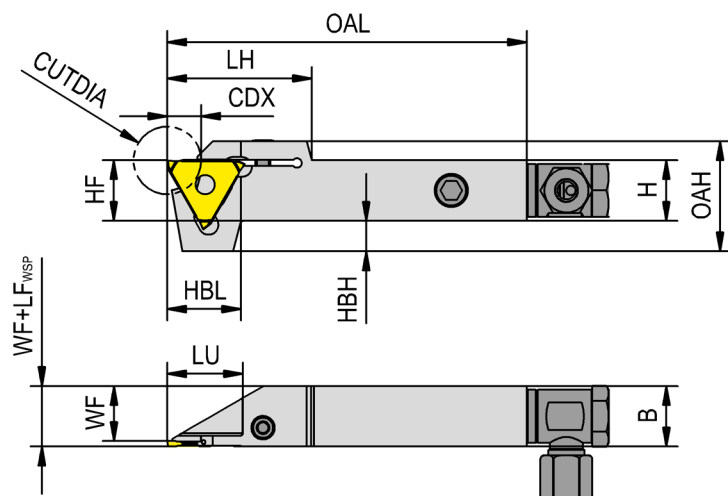
Toolholder R/L368...11 for indexable inserts:

R/L312.0515... / R/L312.0015...V1

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L368...	4.15T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	LU	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R368.1212.08.IK	8	20	16	12	12	95	38	19,5	29	12	11	12	31208000N
R368.1616.08.IK	8	20	16	16	16	95	38	19,5	29	8	15	16	31208000N
R368.1212.11.IK	8	20	16	12	12	95	38	19,5	29	12	10,7	12	31211000N
R368.1616.11.IK	8	20	16	16	16	95	38	19,5	29	8	14,7	16	31211000N
L368.1212.08.IK	8	20	16	12	12	95	38	19,5	29	12	11	12	31208000N
L368.1616.08.IK	8	20	16	16	16	95	38	19,5	29	8	15	16	31208000N
L368.1212.11.IK	8	20	16	12	12	95	38	19,5	29	12	10,7	12	31211000N

für TRAUB-Maschinen (TNL12/7)
for machines TRAUB (TNL12/7)

LF siehe Wendeschneidplatten
LF see indexable inserts

Halter R/L368...08.IK für WSP:

R/L312.0805... / R/L312.0808... / R/L312.0510... R/L312.0512... / R/L312.1210.../ R/L312.0012...

Toolholder R/L368...08.IK for indexable inserts:

R/L312.0805... / R/L312.0808... / R/L312.0510... R/L312.0512... / R/L312.1210.../ R/L312.0012...

Halter R/L368...11.IK für WSP:

R/L312.0515... / R/L312.0015...V1

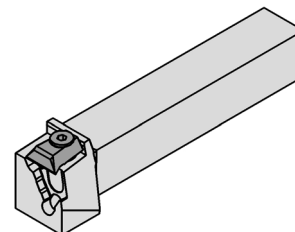
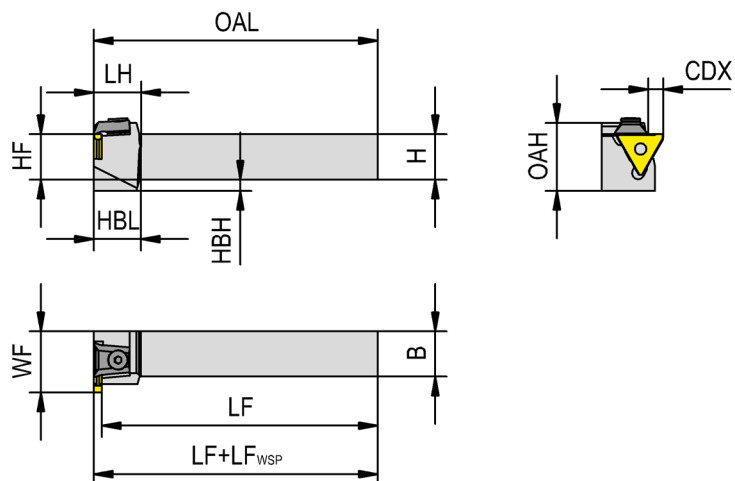
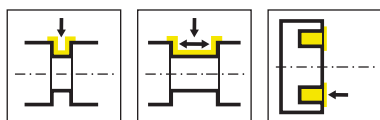
Toolholder R/L368...11.IK for indexable inserts

R/L312.0515... / R/L312.0015...V1

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L368.1212...	4.15T15P	004.00.22	T15PQ
R/L368.1616.08.	4.15T15P	004.00.16	T15PQ
R368.1616.11.IK	4.15T15P	004.00.16	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

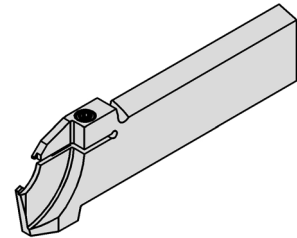
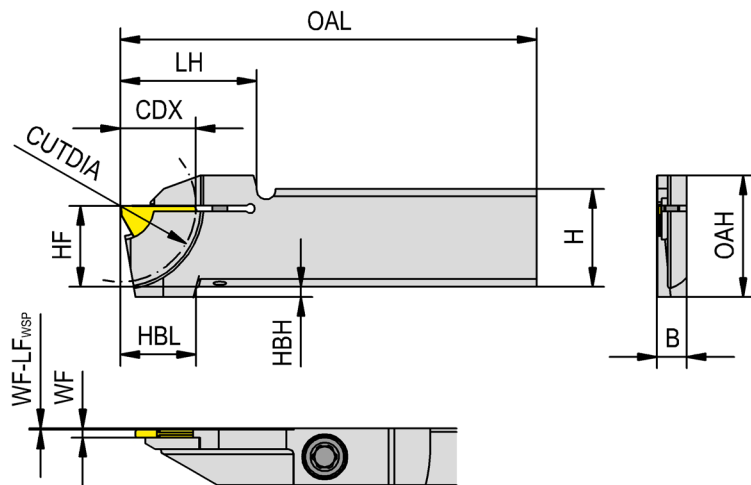
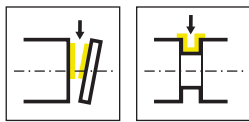
Artikelnummer Part number	CDX	H	B	OAL	LF	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R369.2020.01	4	20	20	125	123,5	20	20	30	5	27	20	31201000N
R369.2020.02	6	20	20	125	122,5	20	20	30	5	27	20	31202000N
R369.2525.01	4	25	25	150	148,5	20	-	30	-	32	25	31201000N
R369.2525.02	6	25	25	150	147,5	20	-	30	-	32	25	31202000N
R369.2020.03	6	20	20	125	121,5	20	20	30	5	27	20	31203000N
R369.2525.03	6	25	25	150	146,5	20	-	30	-	32	25	31203000N
R369.2020.04	6	20	20	125	119,8	20	20	30	5	27	20	31204000N
R369.2525.04	6	25	25	150	144,8	20	-	30	-	32	25	31204000N
L369.2020.01	4	20	20	125	123,5	20	20	30	5	27	20	31201000N
L369.2020.02	6	20	20	125	122,5	20	20	30	5	27	20	31202000N
L369.2525.01	4	25	25	150	148,5	20	-	30	-	32	25	31201000N
L369.2525.02	6	25	25	150	147,5	20	-	30	-	32	25	31202000N
L369.2020.03	6	20	20	125	121,5	20	20	30	5	27	20	31203000N
L369.2525.03	6	25	25	150	146,5	20	-	30	-	32	25	31203000N
L369.2020.04	6	20	20	125	119,8	20	20	30	5	27	20	31204000N
L369.2525.04	6	25	25	150	144,8	20	-	30	-	32	25	31204000N

CDX nur bei Werkstück-Ø ≤ 40 mm erreichbar.
CDX can be reached only with workpiece Ø ≤ 40 mm

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L369...	16.4



R = rechts wie gezeichnet
R = right hand version shown

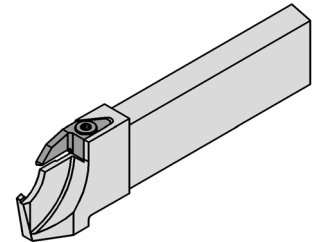
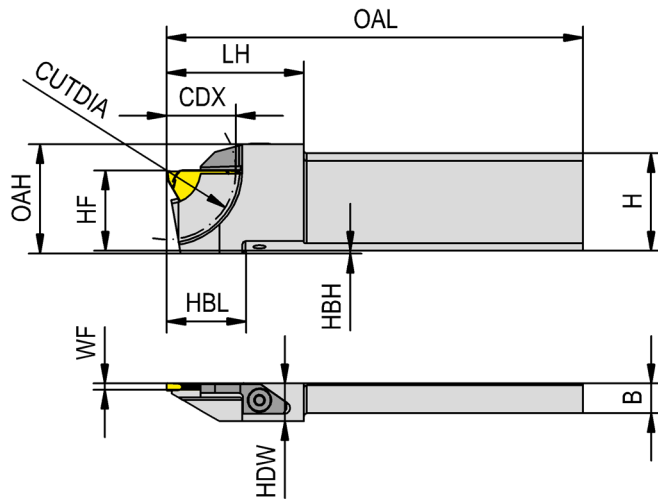
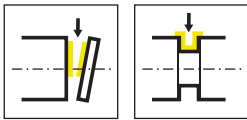
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R368.2608.08	8	16	26	7,9	110	36	20	32	3	1	21,4	31208000N
R368.3208.08	8	16	32	7,9	110	36	-	33	-	1	24,8	31208000N
R368.2608.11	8	16	26	7,9	110	36	20	32	3	1,3	21,4	31211000N
R368.3208.11	8	16	32	7,9	110	36	-	33	-	1,3	24,8	31211000N
L368.2608.08	8	16	26	7,9	110	36	20	32	3	1	21,4	31208000N
L368.3208.08	8	16	32	7,9	110	36	-	33	-	1	24,8	31208000N
L368.2608.11	8	16	32	7,9	110	36	-	33	-	1	24,8	31208000N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L368...	4.15T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

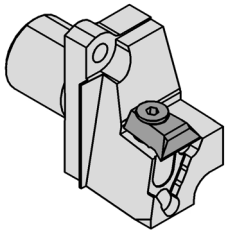
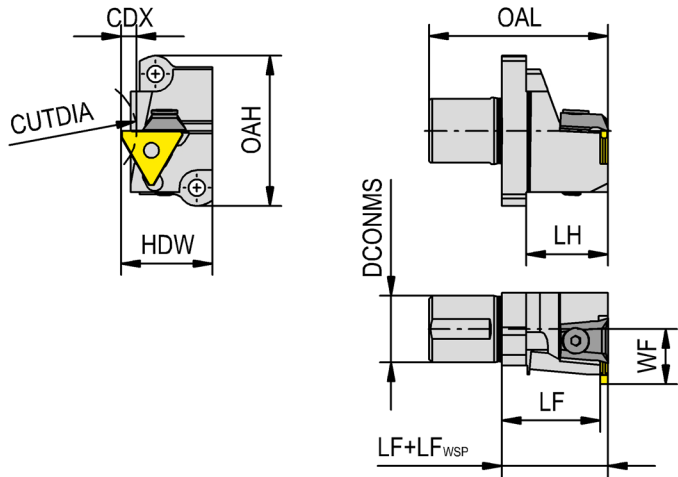
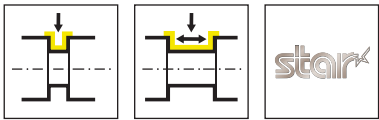
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
R368.2608.10.01	8	16	26	7,9	110	36	20	28,8	10	1	1,5	21,4	31201000N

C3

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R368.2608.10.01	010.0004.0536	T10PL



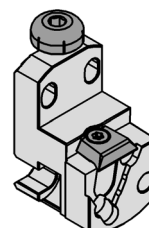
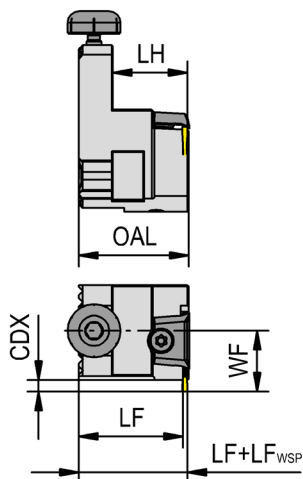
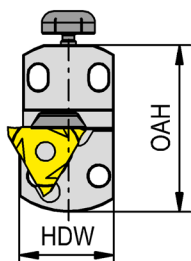
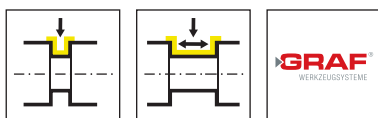
L = links wie gezeichnet
L = left hand version shown

Artikelnummer Part number	CDX	CUTDIA	DCONMS	LF	OAH	OAL	WF	Trennstelle W Interface W
L369.A022.18.01	4	40	22	33,5	49,6	59	18,2	31201000N
L369.A022.18.02	6	40	22	32,5	49,6	59	18,2	31202000N

Star Langdrehautomaten:
ECAS-12/20, SB16D/E, SR-20, SR20J/JN, RS-20RII, RS-20RIII, RS-20RIV, RS-32J/JN, SW-12RIII
Swiss Type Machines Star:
ECAS-12/20, SB16D/E, SR-20, SR20J/JN, RS-20RII, RS-20RIII, RS-20RIV, RS-32J/JN, SW-12RII

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
L369...	16.4



R = rechts wie gezeichnet
R = right hand version shown

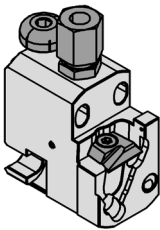
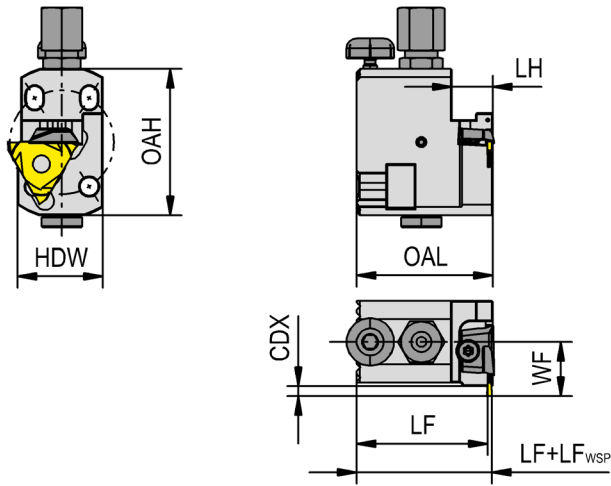
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	OAL	LH	OAH	WF	LF	HDW	Trennstelle M Interface M
R.64	3	29	20	44	16	27,07	25	KERB305135
R.65	3	29	20	44	16	26,07	25	KERB305135
R.99	3	29	20	44	16	25,07	25	KERB305135
L.64	3	29	20	44	16	27,07	25	KERB305135
L.65	3	29	20	44	16	26,07	25	KERB305135
L.99	3	29	20	44	16	25,07	25	KERB305135

C3

Ersatzteile
Spare Parts

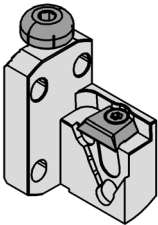
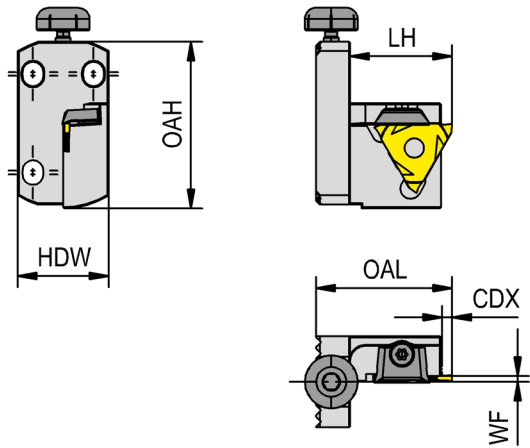
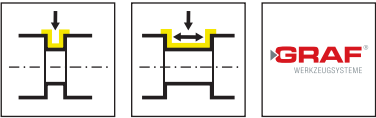
Einbauhalter Graf Cartridge Graf	Spannelement Clamping element
R/L.6...	12.3
R/L.99	



Artikelnummer Part number	CDX	OAL	LH	OAH	WF	LF	HDW	Trennstelle M Interface M
R.64.IK	3	40	15	43	16	38,07	25	KERB305135
R.65.IK	3	40	15	43	16	37,07	25	KERB305135
L.64.IK	3	40	15	43	16	38,07	25	KERB305135
L.65.IK	3	40	15	43	16	37,07	25	KERB305135

Ersatzteile
Spare Parts

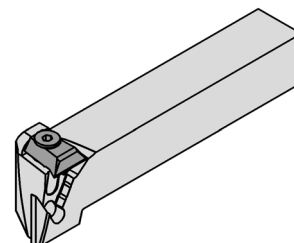
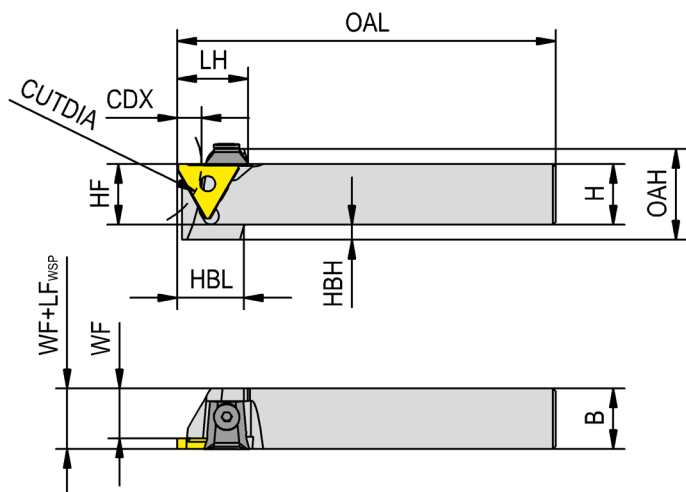
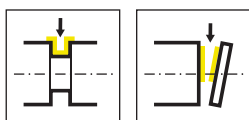
Einbauhalter Graf Cartridge Graf	Kühlmittelanschluss Coolant supply	Spannelement Clamping element
R/L.6...IK	004.00.19	4.082.L



Artikelnummer Part number	CDX	OAL	LH	OAH	WF	HDW	Trennstelle M Interface M
N.67	2,4	35,9	26,9	44	1,5	24	KERB305135
N.68	2,4	37	28	44	2,5	24	KERB305135

Ersatzteile
Spare Parts

Einstellbare Halter Adjustable holder	Spannelement Clamping element
N.67	12.3
N.68	



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

C3

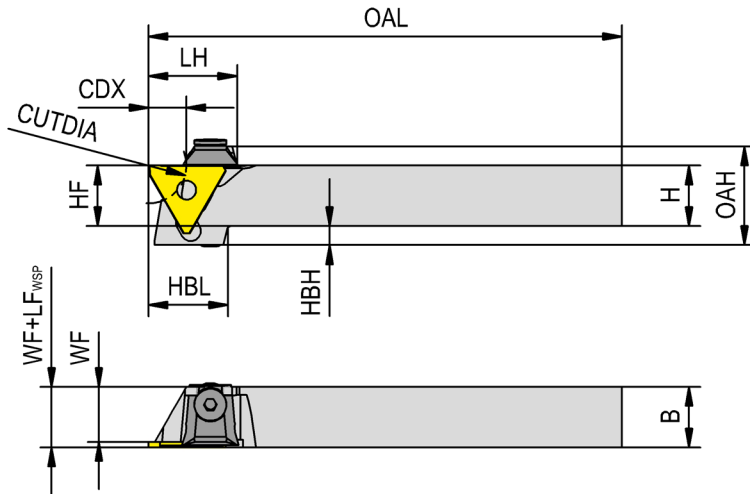
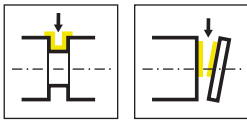
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R390.2020.01	8	125	20	20	125	24	22	30	5	18,5	20	31201000N
R390.2525.01	8	125	25	25	150	24	-	30	-	23,5	25	31201000N
R390.2020.02	8	125	20	20	125	24	22	30	5	17,5	20	31202000N
R390.2525.02	8	125	25	25	150	24	-	30	-	22,5	25	31202000N
R390.3232.02	8	125	32	32	170	24	-	37	-	29,5	32	31202000N
R390.2020.03	8	125	20	20	125	24	22	30	5	16,5	20	31203000N
R390.2525.03	8	125	25	25	150	24	-	30	-	21,5	25	31203000N
R390.2020.04	8	125	20	20	125	24	22	30	5	14,8	20	31204000N
R390.2525.04	8	125	25	25	150	24	-	30	-	19,8	25	31204000N
L390.2525.01	8	125	25	25	150	24	-	30	-	23,5	25	31201000N
L390.2020.02	8	125	20	20	125	24	22	30	5	17,5	20	31202000N
L390.2525.02	8	125	25	25	150	24	-	30	-	22,5	25	31202000N
L390.3232.02	8	125	32	32	170	24	-	37	-	29,5	32	31202000N
L390.2020.03	8	125	20	20	125	24	22	30	5	16,5	20	31203000N
L390.2525.03	8	125	25	25	150	24	-	30	-	21,5	25	31203000N
L390.2020.04	8	125	20	20	125	24	22	30	5	14,8	20	31204000N
L390.2525.04	8	125	25	25	150	24	-	30	-	19,8	25	31204000N

CDX nur bei Werkstück- $\varnothing \leq 125$ mm erreichbar.
CDX can be reached only with workpiece $\varnothing \leq 125$ mm

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R390...	16.4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R391.1212.01	8	20	12	12	100	24	21	25	9	10,5	12	31201000N
R391.1616.01	8	20	16	16	125	24	21	26	5	14,5	16	31201000N
R391.2020.01	8	20	20	20	125	24	21	26	1	18,5	20	31201000N
R391.2525.01	8	20	25	25	150	24	-	30	-	23,5	25	31201000N
L391.1212.01	8	20	12	12	100	24	21	25	9	10,5	12	31201000N
L391.1616.01	8	20	16	16	125	24	21	26	5	14,5	16	31201000N
L391.2020.01	8	20	20	20	125	24	21	26	1	18,5	20	31201000N
L391.2525.01	8	20	25	25	150	24	-	30	-	23,5	25	31201000N

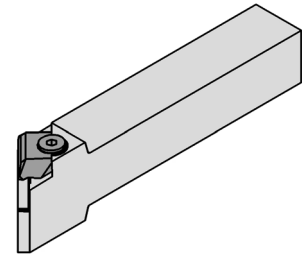
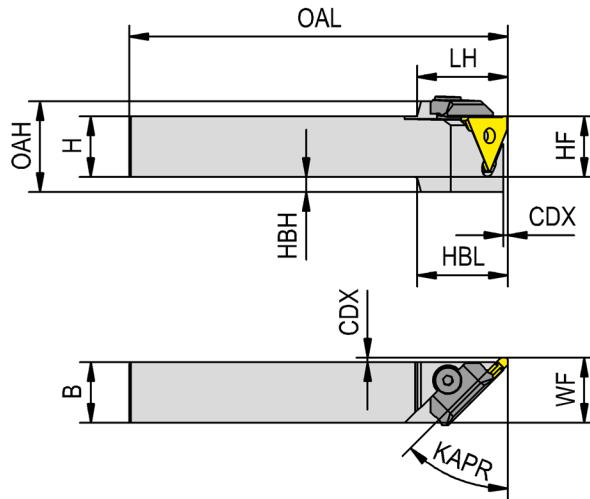
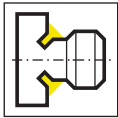
CDX nur bei Werkstück-Ø ≤ 20 mm erreichbar.
CDX can be reached only with workpiece Ø ≤ 20 mm

C3

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L391.1212.01	12.3	T10PL
R/L391.1616.01	14.4	T15PQ
R/L391....	16.4	



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

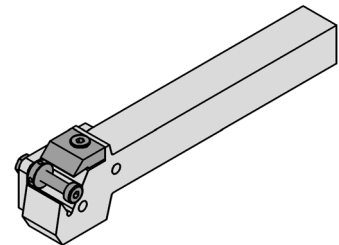
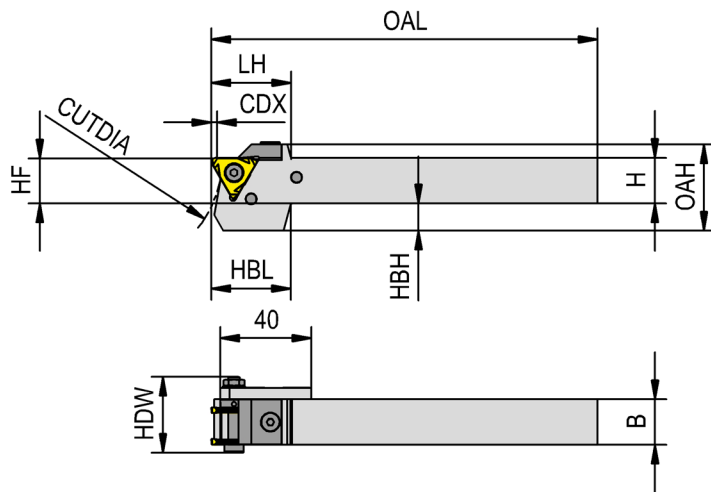
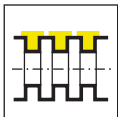
Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	KAPR	Trennstelle W Interface W
R309.1616.01	1,5	16	16	125	30	30	30	9	21,5	16	45°	31201000N
R309.2020.02	1,5	20	20	125	30	30	30	5	21,5	20	45°	31202000N
R309.2525.02	1,5	25	25	150	30	-	30	-	26,5	25	45°	31202000N
R309.3232.02	1,5	32	32	170	30	-	37	-	33,5	32	45°	31202000N
R309.2020.03	1,5	20	20	125	30	30	30	5	21,5	20	45°	31203000N
R309.2525.03	1,5	25	25	150	30	-	30	-	26,5	25	45°	31203000N
R309.2020.04	1,5	20	20	125	30	30	30	5	21,5	20	45°	31204000N
R309.2525.04	1,5	25	25	150	30	-	30	-	26,5	25	45°	31204000N
L309.1616.01	1,5	16	16	125	30	30	30	9	21,5	16	45°	31201000N
L309.2020.02	1,5	20	20	125	30	30	30	5	21,5	20	45°	31202000N
L309.2525.02	1,5	25	25	150	30	-	30	-	26,5	25	45°	31202000N
L309.2020.03	1,5	20	20	125	30	30	30	5	21,5	20	45°	31203000N
L309.2525.03	1,5	25	25	150	30	-	30	-	26,5	25	45°	31203000N
L309.3232.03	1,5	32	32	170	30	-	37	-	33,5	32	45°	31203000N
L309.2020.04	1,5	20	20	125	30	30	30	5	21,5	20	45°	31204000N
L309.2525.04	1,5	25	25	150	30	-	30	-	26,5	25	45°	31204000N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

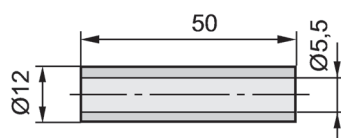
Klemmhalter Toolholder	Spannelement Clamping element
R/L309...	21.4



Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	HF	Trennstelle W Interface W
340.2020.01	4	160	20	20	170	35	35	38	33,5	12	20	31201000N • 31202000N • 31203000N • 31204000N
340.2520.01	4	160	25	20	170	35	35	38	33,5	7	25	31201000N • 31202000N • 31203000N • 31204000N

Nur mit Sonderschneidplatten Typ 312 verwendbar
Only usable with special inserts type 312

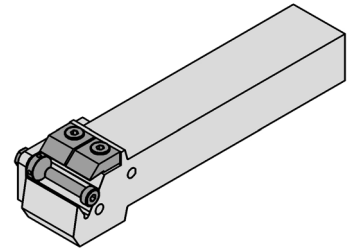
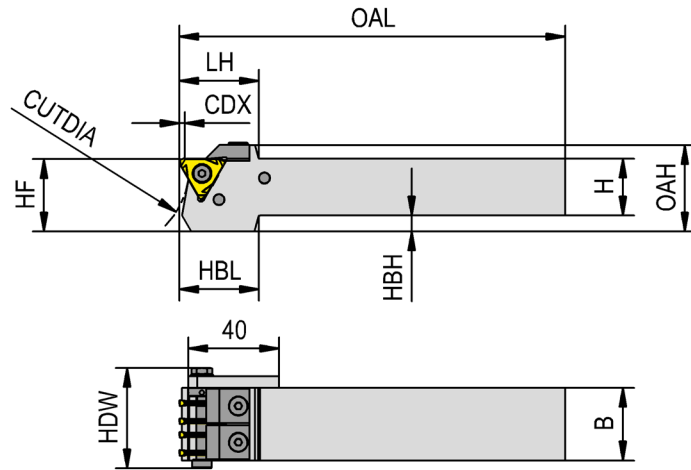
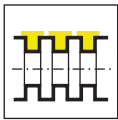
Rohr zur individuellen Herstellung von Distanzringen Best.Nr. 340.0012.50
Tube for producing spacing rings Part number 340.0012.50 separate order required



Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Flanschplatte Flange	Spannelement Clamping element
340...	5.30.7984	24.40	340.0200

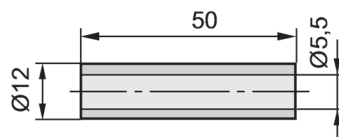


Lieferzustand **rechts** montiert
Right hand mounted

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HDW	HBH	HF	Trennstelle W Interface W
340.2532.02	4	160	25	32	170	35	35	38	44	7	25	31201000N • 31202000N • 31203000N • 31204000N

Nur mit Sonderschneidplatten Typ 312 verwendbar
Only usable with special inserts type 312

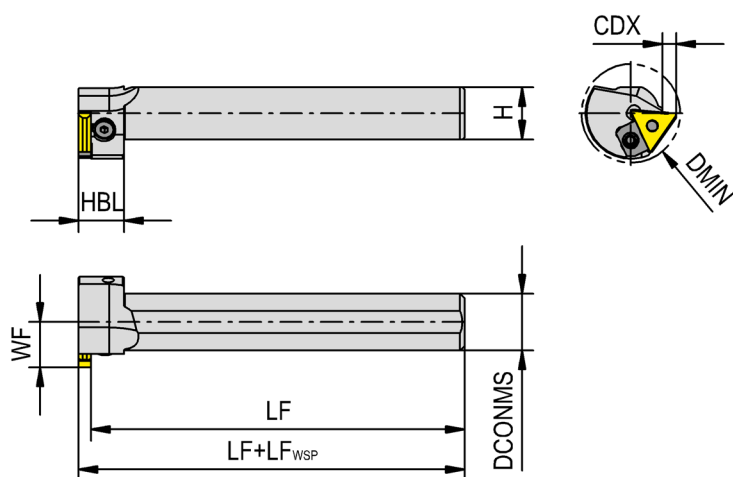
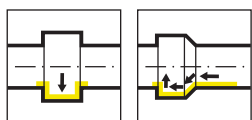
Rohr zur individuellen Herstellung von Distanzringen Best.Nr. 340.0012.50
Tube for producing spacing rings Part number 340.0012.50 separate order required



Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Flanschplatte Flange	Paketschraube Package screw	Spannelement Clamping element
340.2532.02	6.16.7991	24.40	5.40.7984	22.16



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	DMIN	DCONMS	H	LF	HBL	WF	Trennstelle W Interface W
R330.0025.K2	2	46	25	23	167,5	20	20	31202000N
R330.0032.K2	2	46	32	30	197,5	20	20	31202000N
R330.0040.K2	2	46	40	38	247,5	-	24	31202000N
R330.0025.K3	2	46	25	23	166,5	20	20	31203000N
R330.0032.K3	2	46	32	30	196,5	20	20	31203000N
R330.0040.K3	2	46	40	38	246,5	-	24	31203000N
R330.0025.K4	2	46	25	23	164,5	20	20	31204000N
R330.0032.K4	2	46	32	30	194,5	20	20	31204000N
R330.0040.K4	2	46	40	38	244,5	-	24	31204000N
L330.0025.K2	2	46	25	23	167,5	20	20	31202000N
L330.0032.K2	2	46	32	30	197,5	20	20	31202000N
L330.0040.K2	2	46	40	38	247,5	-	24	31202000N
L330.0025.K3	2	46	25	23	166,5	20	20	31203000N
L330.0032.K3	2	46	32	30	196,5	20	20	31203000N
L330.0040.K3	2	46	40	38	246,5	-	24	31203000N
L330.0025.K4	2	46	25	23	164,5	20	20	31204000N
L330.0032.K4	2	46	32	30	194,5	20	20	31204000N
L330.0040.K4	2	46	40	38	244,5	-	24	31204000N

CW siehe Wendeschneidplatten
CW see indexable inserts

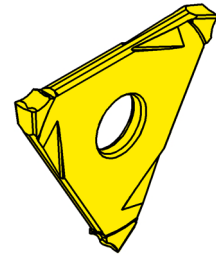
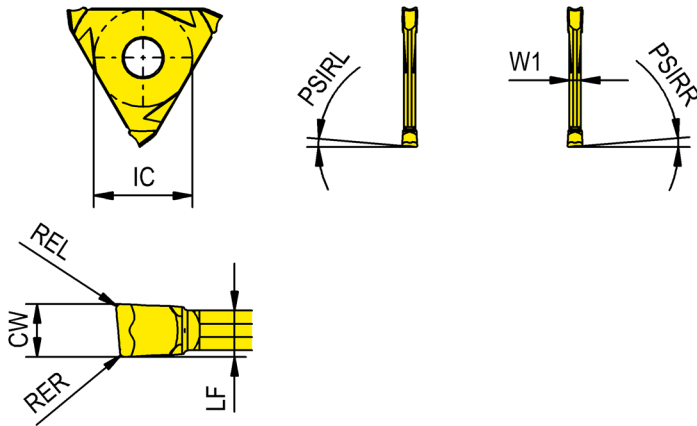
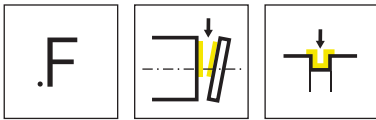
Stechtiefe in Abhängigkeit des Bohrungs- ϕ
Depth of groove in relation to bore ϕ

DMIN	CDX
46	2
50	3
60	4
80	4,5
100	5

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L330...	5.12T20P	15.4	T20PQ

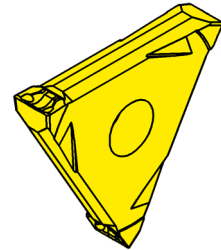
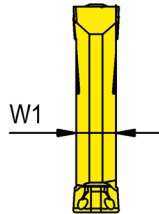
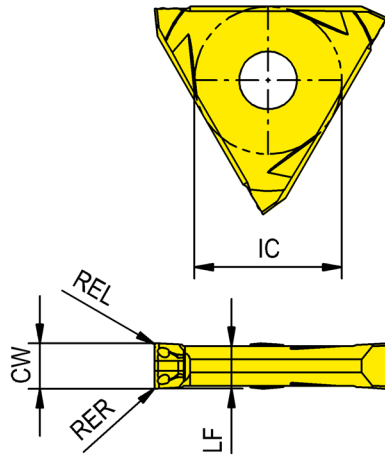
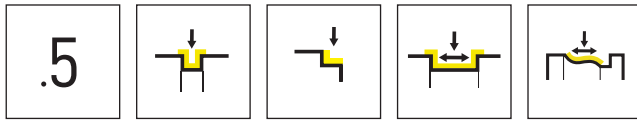


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

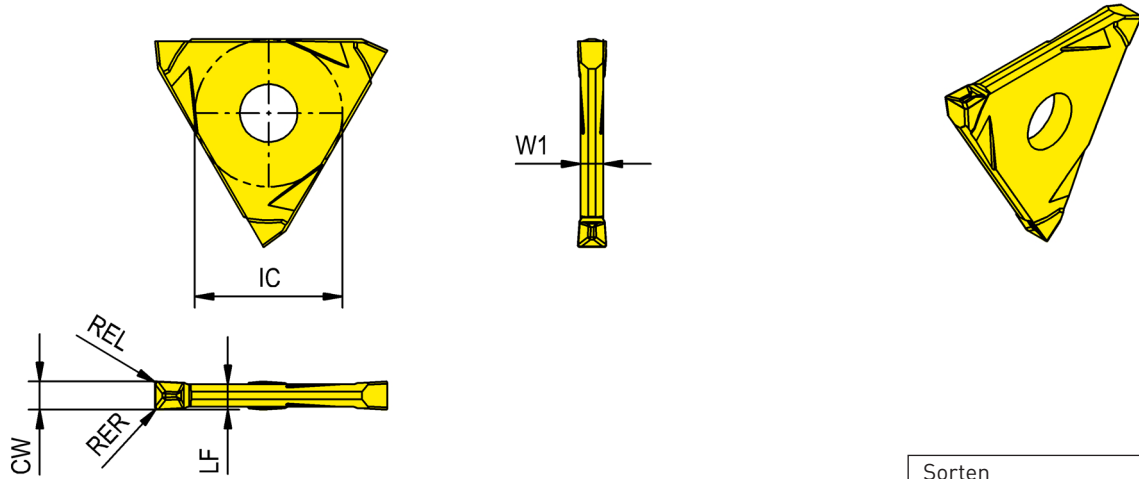
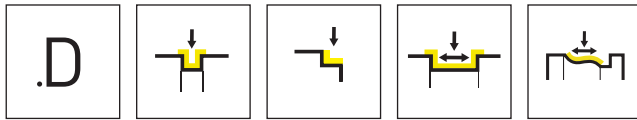
Artikelnummer Part number	CW	REL	RER	PSIRL	PSIRR	W1	LF	IC	Trennstelle M Interface M	EG56	TF46	TI25
RS312.0520.F2	2	0,2	0,2	-	5°	1,5	1,75	13	31202000N	Δ	▲	▲
LS312.0520.F2	2	0,2	0,2	5°	-	1,5	1,75	13	31202000N	Δ	Δ	▲
S312.0200.F2	2	0,2	0,2	-	-	1,5	1,75	13	31202000N	▲	▲	▲
S312.0250.F2	2,5	0,2	0,2	-	-	2	2,25	13	31202000N	Δ	▲	▲
S312.0400.F2	4	0,2	0,2	-	-	3,5	3,75	13	31204000N	Δ	▲	▲
S312.0400.F4	4	0,4	0,4	-	-	3,5	3,75	13	31204000N	▲	▲	▲
S312.0500.F2	5	0,2	0,2	-	-	4,5	4,75	13	31204000N	▲	▲	▲
S312.0500.F4	5	0,4	0,4	-	-	4,5	4,75	13	31204000N	Δ	Δ	▲
P	o	o	o									
M	•	•	•									
K	-	-	-									
N	-	-	-									
S	-	-	-									
H	-	-	-									



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

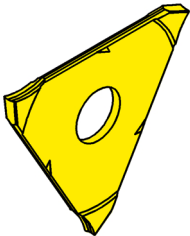
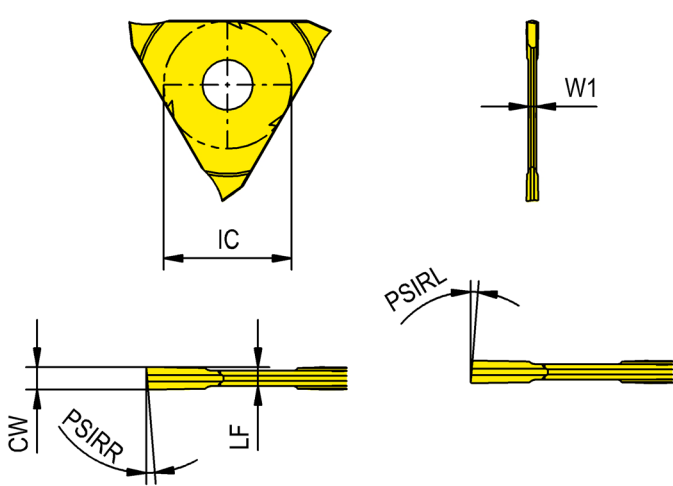
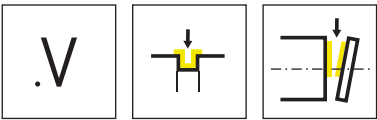
Artikelnummer Part number	CW	REL	RER	W1	LF	IC	Trennstelle M Interface M	AS62	AS66	EG56	TF45	TF46	TI25
S312.0250.52	2,5	0,2	0,2	2	2,25	13	31202000N	▲	▲	▲	▲	▲	▲
S312.0250.54	2,5	0,4	0,4	2	2,25	13	31202000N	▲	▲	▲	▲	▲	▲
S312.0300.52	3	0,2	0,2	2,5	2,75	13	31203000N	▲	▲	▲	▲	▲	▲
S312.0300.54	3	0,4	0,4	2,5	2,75	13	31203000N	▲	▲	▲	Δ	▲	▲
S312.0400.52	4	0,2	0,2	3,5	3,75	13	31204000N	▲	▲	▲		▲	▲
S312.0400.54	4	0,4	0,4	3,5	3,75	13	31204000N	▲	▲	▲		▲	▲
S312.0500.52	5	0,2	0,2	4,5	4,75	13	31204000N	▲	▲	▲		▲	▲
S312.0500.54	5	0,4	0,4	4,5	4,75	13	31204000N	▲	▲	Δ		▲	▲
P	●	●	●	●	●	●		●	●	●	●	●	●
M	-	-	-	-	-	-		-	-	-	-	-	-
K	-	-	-	-	-	-		-	-	-	-	-	-
N	-	-	-	-	-	-		-	-	-	-	-	-
S	-	-	-	-	-	-		-	-	-	-	-	-
H	-	-	-	-	-	-		-	-	-	-	-	-



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	W1	LF	IC	Trennstelle M Interface M	AS62	AS66	EG56	TF45	TF46	TI25	TN32
S312.0200.D2	2	0,2	0,2	1,5	1,75	13	31202000N	▲	▲	▲	Δ	▲	▲	▲
S312.0200.D4	2	0,4	0,4	1,5	1,75	13	31202000N	▲	▲	▲	Δ	Δ	▲	▲
S312.0250.D2	2,5	0,2	0,2	2	2,25	13	31202000N	▲	▲	▲	▲	▲	▲	▲
S312.0250.D4	2,5	0,4	0,4	2	2,25	13	31202000N	▲	▲	▲	▲	▲	▲	▲
S312.0300.D2	3	0,2	0,2	2,5	2,75	13	31203000N	Δ	▲	▲	▲	▲	▲	▲
S312.0300.D4	3	0,4	0,4	2,5	2,75	13	31203000N	▲	▲	▲	Δ	Δ	▲	▲
P	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●	●	●	●	-
K	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-



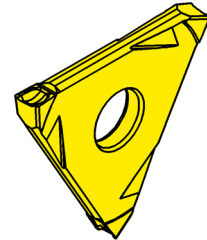
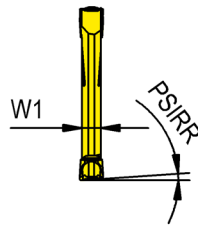
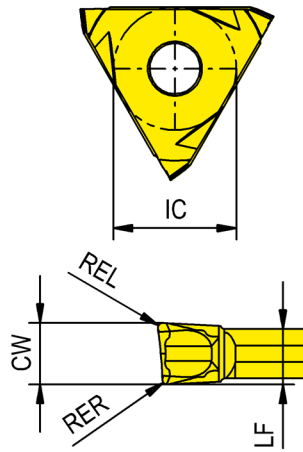
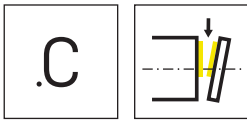
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	W1	LF	IC	Trennstelle M Interface M	EG35	TF45	TH35
R312.0512.V1	1,2	-	5°	0,8	1	13	31208000N	▲	▲	
R312.0515.V1	1,5	-	5°	1,1	1,3	13	31211000N	▲	▲	
R312.0520.V2	2	-	5°	1,5	1,75	13	31201000N	▲		▲
L312.0512.V1	1,2	5°	-	0,8	1	13	31208000N	▲	▲	
L312.0515.V1	1,5	5°	-	1,1	1,3	13	31211000N	▲	▲	
L312.0520.V2	2	5°	-	1,5	1,75	13	31201000N	▲		▲
312.0012.V1	1,2	-	-	0,8	1	13	31208000N	▲	▲	
312.0015.V1	1,5	-	-	1,1	1,3	13	31211000N	▲	▲	
P	●	●	●							
M	o	o	o							
K	-	-	-							
N	-	-	-							
S	-	-	-							
H	-	-	-							

C3

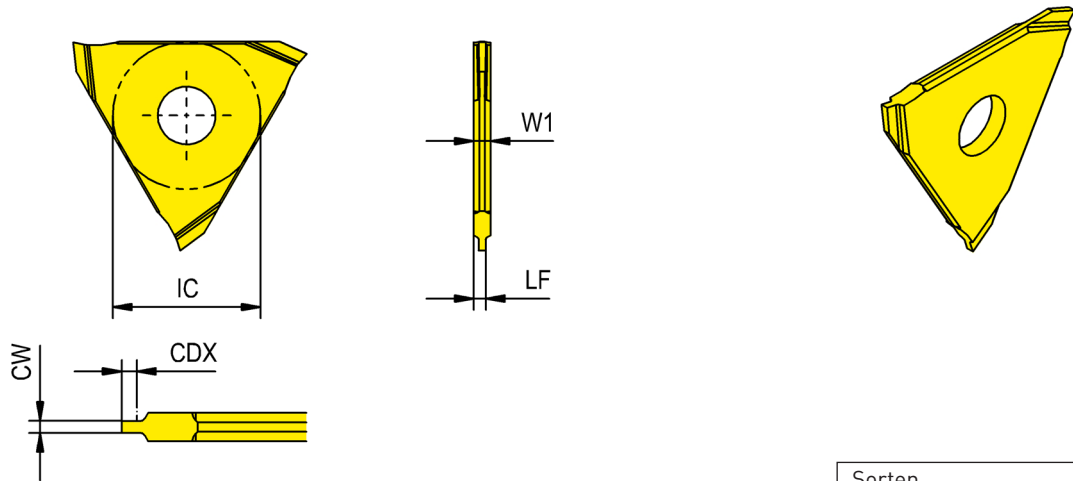
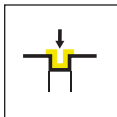


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	REL	RER	PSIRL	PSIRR	W1	LF	IC	Trennstelle M Interface M	EG55	TF46	T125
RS312.0520.C2	2	0,2	0,2	-	5°	1,5	1,75	13	31202000N	▲	▲	▲
RS312.0525.C2	2,5	0,2	0,2	-	5°	2	2,25	13	31202000N	Δ	Δ	Δ
LS312.0520.C2	2	0,2	0,2	5°	-	1,5	1,75	13	31202000N	▲	Δ	▲
LS312.0525.C2	2,5	0,2	0,2	5°	-	2	2,25	13	31202000N	▲	Δ	▲
S312.0200.C2	2	0,2	0,2	-	-	1,5	1,75	13	31202000N	▲	▲	▲
S312.0250.C2	2,5	0,2	0,2	-	-	2	2,25	13	31202000N	▲	Δ	▲
S312.0300.C2	3	0,2	0,2	-	-	2,5	2,75	13	31203000N	Δ	Δ	Δ
P										●	●	●
M										-	-	-
K										-	-	-
N										-	-	-
S										-	-	-
H										-	-	-



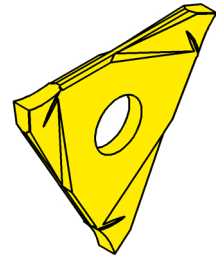
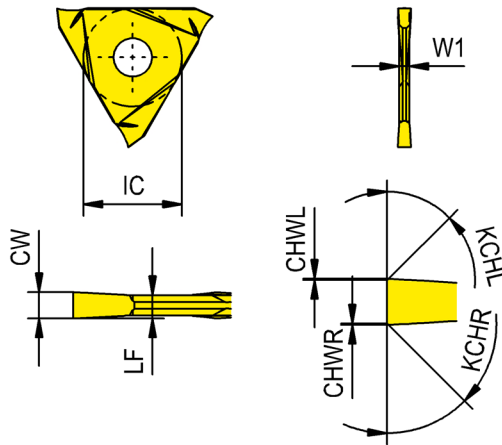
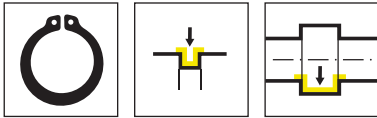
Sorten
Grades

▲ ab Lager
▲ on stock

Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	CW	RTRG	CDX	KCHL	KCHR	CHWL	CHWR	W1	LF	IC	Trennstelle M Interface M	EG35	EG52	TN32
312.0034.15	0,4	0,34	0,6	-	-	-	-	1,5	0,94	13	31201000N	▲		
312.0044.15	0,5	0,44	0,7	-	-	-	-	1,5	0,99	13	31201000N	Δ		
312.0050.15	0,56	0,5	0,7	45°	45°	0,03	0,03	1,5	1,02	13	31201000N		▲	▲
312.0060.15	0,66	0,6	0,8	45°	45°	0,03	0,03	1,5	1,07	13	31201000N		▲	▲
312.0070.15	0,76	0,7	1,1	45°	45°	0,03	0,03	1,5	1,12	13	31201000N		▲	▲
312.0080.15	0,86	0,8	1,2	45°	45°	0,03	0,03	1,5	1,17	13	31201000N		▲	▲
312.0090.15	0,96	0,9	1,4	45°	45°	0,03	0,03	1,5	1,22	13	31201000N		▲	▲
312.0100.15	1,06	1	1,6	45°	45°	0,03	0,03	1,5	1,27	13	31201000N		▲	▲
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472												P	●	●
												M	●	o
												K	-	-
												N	-	-
												S	-	-
												H	-	-

C3

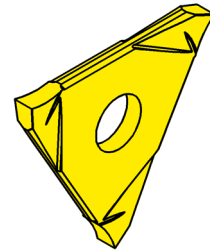
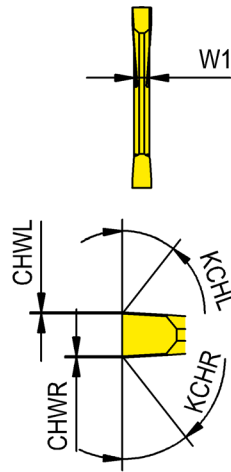
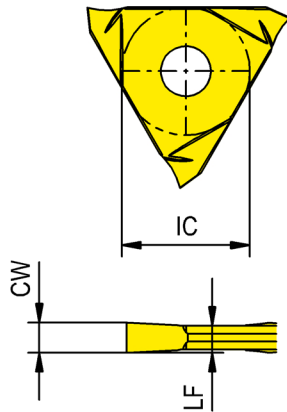
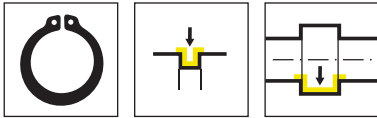


Form A = komplett geschliffen
Form A = completely ground

Form B = teilgeschliffen
Form B = partially ground

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

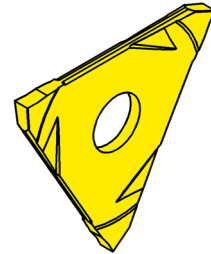
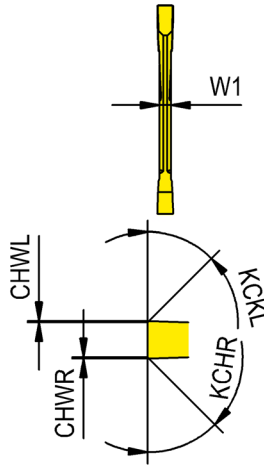
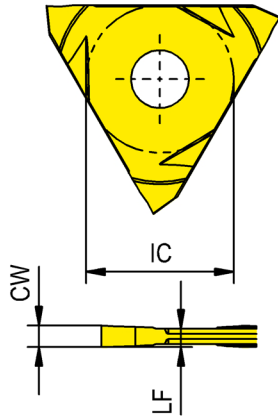
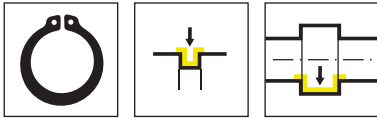
Artikelnummer Part number	CW	RTRG	KCHL	KCHR	CHWL	CHWR	W1	LF	IC	Trennstelle M Interface M	K10	MG12	P20	EG55	T125	TN32	TN35	H20
312.0050.00	0,56	0,5	-	-	-	-	0,42	0,49	13	31201000N	▲		▲	▲		▲		
312.0060.00	0,66	0,6	-	-	-	-	0,52	0,59	13	31201000N	▲		▲	▲		▲		
312.0070.00	0,76	0,7	-	-	-	-	0,6	0,68	13	31201000N	▲		▲	▲		▲		
312.0080.00	0,86	0,8	-	-	-	-	0,7	0,78	13	31201000N	▲		▲	▲		▲		
312.0090.00	0,96	0,9	-	-	-	-	0,8	0,88	13	31201000N	▲		▲	▲		▲	▲	
312.0100.00	1,06	1	-	-	-	-	0,88	0,97	13	31201000N	▲		▲	▲		▲	▲	
312.0110.00	1,23	1,1	45°	45°	0,05	0,05	0,83	1,03	13	31201000N	▲		▲	▲		▲		
312.0130.00	1,43	1,3	45°	45°	0,05	0,05	1,03	1,23	13	31201000N	▲		▲	▲		▲	▲	
312.0160.00	1,73	1,6	45°	45°	0,05	0,05	1,33	1,53	13	31201000N	▲		▲	▲		▲	▲	
312.0185.00	1,98	1,85	45°	45°	0,05	0,05	1,58	1,78	13	31201000N	▲	▲	▲	▲	▲	▲	▲	▲
312.0215.00	2,28	2,15	45°	45°	0,05	0,05	1,88	2,08	13	31202000N	▲	▲	▲	▲		▲	▲	▲
312.0265.00	2,78	2,65	45°	45°	0,05	0,05	2,38	2,58	13	31202000N	▲	▲	▲	▲		▲	▲	▲
312.0315.00	3,28	3,15	45°	45°	0,05	0,05	2,88	3,08	13	31203000N	▲		▲	▲		▲	▲	▲
312.0415.00	4,28	4,15	45°	45°	0,05	0,05	3,88	4,08	13	31204000N	▲		▲	▲		▲	▲	▲
312.0515.00	5,28	5,15	45°	45°	0,05	0,05	4,88	5,08	13	31204000N	▲		▲	▲		▲	▲	▲
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472											P	●	●	●	●	●	●	●
											M	●	●	-	●	●	-	-
											K	-	-	-	-	-	-	-
											N	-	-	-	-	-	-	-
											S	o	-	-	-	-	-	-
											H	-	-	-	-	-	-	-



komplett geschliffen
completely ground

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	RTRG	KCHL	KCHR	CHWL	CHWR	W1	LF	IC	Trennstelle M Interface M	K10	P20	EG56	TN32
312.0185.10	1,98	1,85	45°	45°	0,05	0,05	1,58	1,78	13	31201000N	▲	▲	▲	▲
312.0215.10	2,28	2,15	45°	45°	0,05	0,05	1,88	2,08	13	31202000N	▲	▲	▲	▲
312.0265.10	2,78	2,65	45°	45°	0,05	0,05	2,38	2,58	13	31202000N	▲	▲	▲	▲
312.0315.10	3,28	3,15	45°	45°	0,05	0,05	2,88	3,08	13	31203000N	▲	▲	▲	▲
312.0415.10	4,28	4,15	45°	45°	0,05	0,05	3,88	4,08	13	31204000N	▲	▲	▲	▲
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472											P	•	•	•
											M	•	-	-
											K	-	-	-
											N	-	-	-
											S	o	-	-
											H	-	-	-



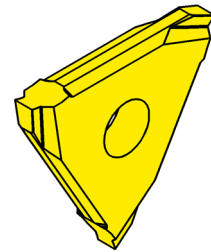
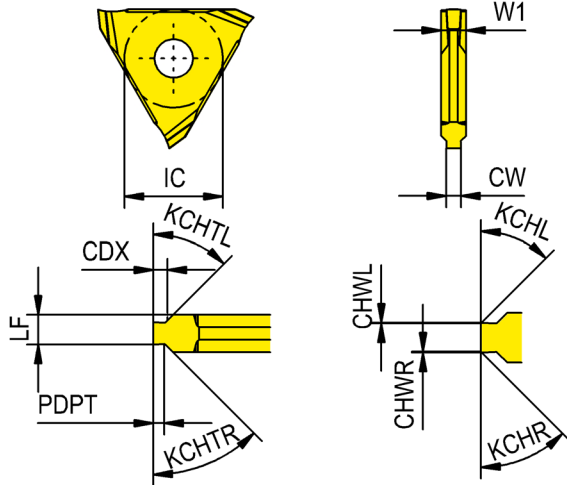
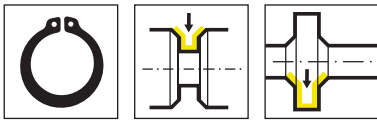
Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	RTRG	KCHL	KCHR	CHWL	CHWR	W1	LF	IC	Trennstelle M Interface M	EG55	TN35
312.0110.80	1,23	1,1	45°	45°	0,05	0,05	0,83	1,03	13	31201000N	▲	▲
312.0130.80	1,43	1,3	45°	45°	0,05	0,05	1,03	1,23	13	31201000N	▲	▲
312.0160.80	1,73	1,6	45°	45°	0,05	0,05	1,33	1,53	13	31201000N	▲	▲
312.0185.80	1,98	1,85	45°	45°	0,05	0,05	1,58	1,78	13	31201000N	▲	▲
312.0215.80	2,28	2,15	45°	45°	0,05	0,05	1,88	2,08	13	31202000N	▲	▲
312.0265.80	2,78	2,65	45°	45°	0,05	0,05	2,38	2,58	13	31202000N	▲	▲
312.0315.80	3,28	3,15	45°	45°	0,05	0,05	2,88	3,08	13	31203000N	Δ	▲
312.0415.80	4,28	4,15	45°	45°	0,05	0,05	3,88	4,08	13	31204000N	▲	▲
312.0515.80	5,28	5,15	45°	45°	0,05	0,05	4,88	5,08	13	31204000N	▲	▲

Abmessungen für Seegerringnuten DIN 471/472
Widths for circlip grooves DIN 471/472

P	●	●
M	●	-
K	-	-
N	-	-
S	-	-
H	-	-



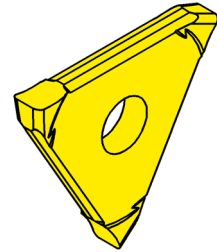
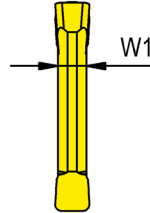
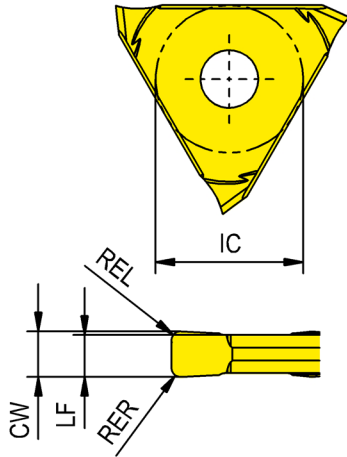
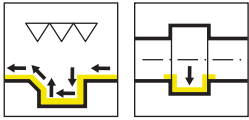
Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	RTRG	CDX	KCHL	KCHR	CHWL	CHWR	KCHTL	KCHTR	PDPT	W1	LF	IC	Trennstel- le M Interface M	EG52	TN32
312.1101.25	1,23	1,1	0,2	-	-	-	-	45°	45°	0,16	2,5	1,86	13	31202000N	▲	▲
312.1102.25	1,23	1,1	0,25	-	-	-	-	45°	45°	0,21	2,5	1,86	13	31202000N	▲	▲
312.1103.25	1,23	1,1	0,3	-	-	-	-	45°	45°	0,26	2,5	1,86	13	31202000N	▲	▲
312.1104.25	1,23	1,1	0,35	-	-	-	-	45°	45°	0,30	2,5	1,86	13	31202000N	▲	▲
312.1105.25	1,23	1,1	0,4	45°	45°	0,05	0,05	45°	45°	0,33	2,5	1,86	13	31202000N	▲	▲
312.1306.25	1,43	1,3	0,55	45°	45°	0,05	0,05	45°	45°	0,42	2,5	1,96	13	31202000N	▲	▲
312.1607.33	1,73	1,6	0,7	45°	45°	0,05	0,05	45°	45°	0,57	3,3	2,51	13	31203000N	▲	▲
312.1608.33	1,73	1,6	0,85	45°	45°	0,05	0,05	45°	45°	0,72	3,3	2,51	13	31203000N	▲	▲
312.1609.33	1,73	1,6	1	45°	45°	0,05	0,05	45°	45°	0,82	3,3	2,51	13	31203000N	▲	▲
312.1810.33	1,98	1,85	1	45°	45°	0,05	0,05	45°	45°	0,82	3,3	2,64	13	31203000N	▲	▲
312.1812.33	1,98	1,85	1,25	45°	45°	0,05	0,05	45°	45°	1,07	3,3	2,64	13	31203000N	▲	▲
312.2115.43	2,28	2,15	1,5	45°	45°	0,05	0,05	45°	45°	1,32	4,3	3,29	13	31204000N	▲	▲
312.2616.43	2,78	2,65	1,5	45°	45°	0,05	0,05	45°	45°	1,32	4,3	3,54	13	31204000N	▲	▲
312.2617.43	2,78	2,65	1,75	45°	45°	0,05	0,05	45°	45°	1,57	4,3	3,54	13	31204000N	▲	▲
312.3118.53	3,28	3,15	1,75	45°	45°	0,05	0,05	45°	45°	1,57	5,3	4,29	13	31204000N	▲	▲
312.4120.53	4,28	4,15	2	45°	45°	0,05	0,05	45°	45°	1,82	5,3	4,79	13	31204000N	▲	▲
312.4125.53	4,28	4,15	2,5	45°	45°	0,05	0,05	45°	45°	2,32	5,3	4,79	13	31204000N	▲	▲
312.5130.63	5,28	5,15	3	45°	45°	0,05	0,05	45°	45°	2,82	6,3	5,79	13	31204000N	▲	▲

Abmessungen für Seegerringnuten DIN 471/472
Widths for circlip grooves DIN 471/472

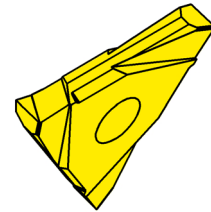
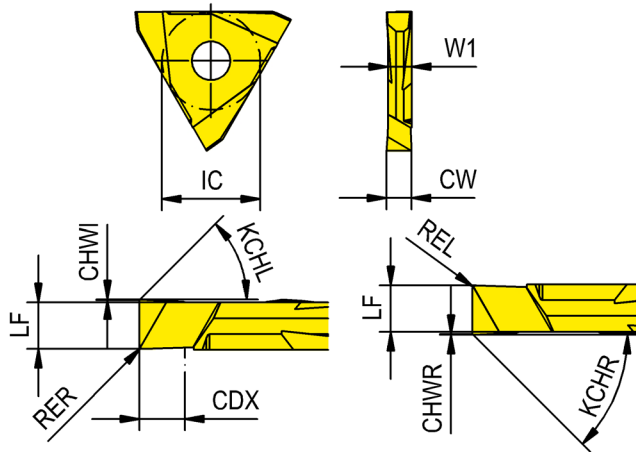
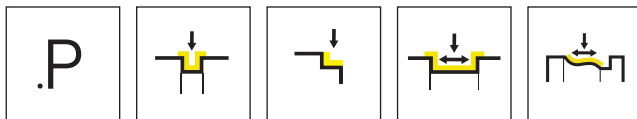
P	●	●
M	○	-
K	-	-
N	-	-
S	-	-
H	-	-



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	W1	LF	IC	Trennstelle M Interface M		K10	P20	EG52	T125	TN32	TN35	H20
312.0100.02	1	0,2	0,2	0,8	0,9	13	31201000N				▲	▲	▲		
312.0150.02	1,5	0,2	0,2	1	1,25	13	31201000N			▲	▲	▲	▲	▲	
312.0200.02	2	0,2	0,2	1,5	1,75	13	31202000N		▲	▲	▲	▲	▲	▲	▲
312.0200.04	2	0,4	0,4	1,5	1,75	13	31202000N			▲	▲		▲		▲
312.0300.02	3	0,2	0,2	2,5	2,75	13	31203000N			▲	▲	▲	▲		▲
312.0300.06	3	0,6	0,6	2,5	2,75	13	31203000N			▲	▲		▲		
312.0400.02	4	0,2	0,2	3,5	3,75	13	31204000N			▲	▲		▲		▲
312.0400.08	4	0,8	0,8	3,5	3,75	13	31204000N				▲		▲		
312.0400.12	4	1,2	1,2	3,5	3,75	13	31204000N			Δ	Δ				
P	●	●	●	●	●	●	●		●	●	●	●	●	●	●
M	●	-	○	●	-	-	-		●	-	○	●	-	-	-
K	-	-	-	-	-	-	-		-	-	-	-	-	-	-
N	-	-	-	-	-	-	-		-	-	-	-	-	-	-
S	○	-	-	-	-	-	-		○	-	-	-	-	-	-
H	-	-	-	-	-	-	-		-	-	-	-	-	-	-



L = links wie gezeichnet
L = left hand version shown

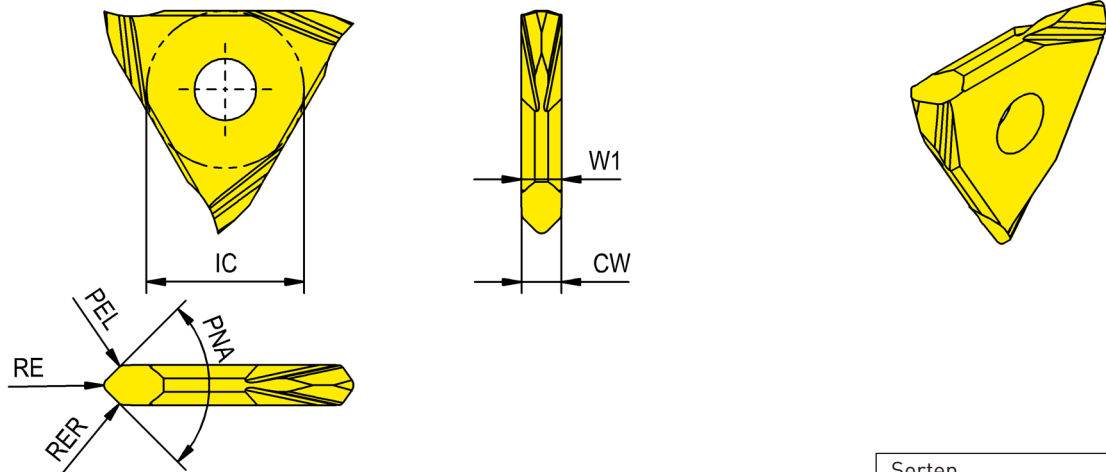
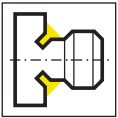
R = rechts spiegelbildlich
R = right hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	KCHL	KCHR	CHWL	CHWR	W1	LF	IC	Trennstelle M Interface M	P20	EG52	TN32
R312.3031.33	3,29	3,5	-	0,2	45°	-	0,05	-	3,3	3,09	13	31203000N	▲	▲	▲
L312.3031.33	3,29	3,5	0,2	-	-	45°	-	0,05	3,3	3,09	13	31203000N	Δ	▲	▲
													P	•	•
													M	-	o
													K	-	-
													N	-	-
													S	-	-
													H	-	-

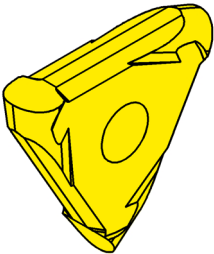
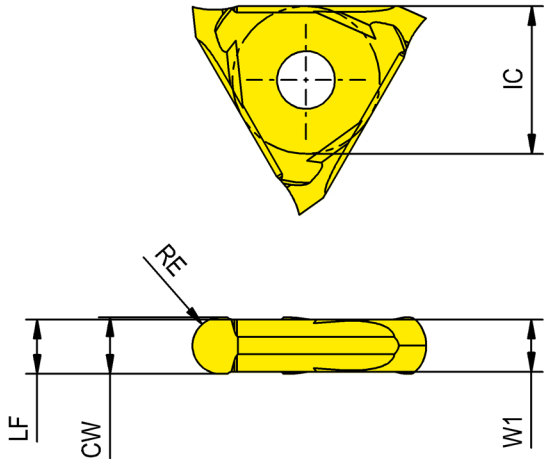
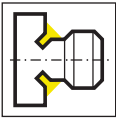
Die besondere Schneidengeometrie erlaubt unter Beibehaltung einer geraden und rechtwinkligen Hauptschneide sowohl in radialer als auch in axialer Richtung positive Spanwinkel.
The special cutting geometry permits a positive chip breaking angle when keeping a straight and right angled cutting edge.

C3



Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

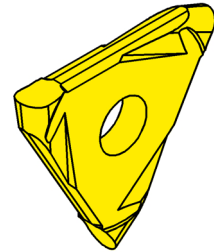
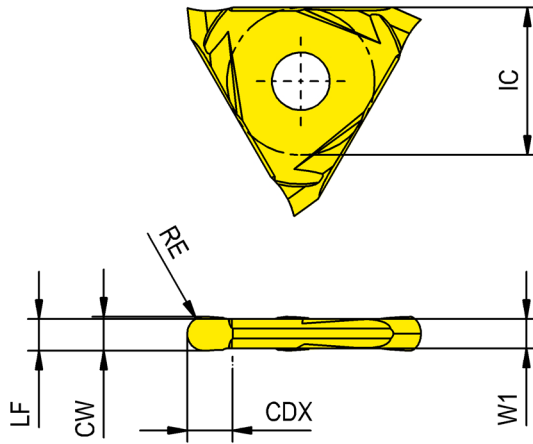
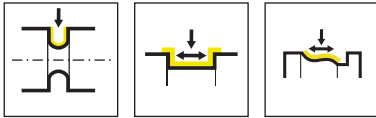
Artikelnummer Part number	CW	RE	REL	RER	PNA	W1	IC	Trennstelle M Interface M	P20	EG52
312.0602.24	2,37	0,6	0,6	0,6	90°	2,44	13	31202000N	▲	▲
312.0603.33	3,27	0,6	0,6	0,6	90°	3,34	13	31203000N	▲	▲
312.1002.30	2,97	1	1	1	90°	3,04	13	31203000N	▲	Δ
312.1004.50	4,97	1	1	1	90°	5,04	13	31204000N	▲	▲
312.1603.50	4,97	1,6	1,6	1,6	90°	5,04	13	31204000N	Δ	Δ
Eckenfreistriche ähnlich DIN 509 Form F Corner reliefs similar to DIN 509 form F									P	●
									M	-
									K	-
									N	-
									S	-
									H	-



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	RE	W1	LF	IC	Trennstelle M Interface M		K10	P20	EG52	TN32
312.0010.20	2	1,5	1	1,6	1,8	13	31202000N		▲	▲	▲	▲
312.0015.30	3	2,2	1,5	2,6	2,8	13	31203000N		▲	▲	▲	▲
312.0020.40	4	2,8	2	3,6	3,8	13	31204000N		▲	▲	▲	▲
									P	●	●	●
									M	●	-	o
									K	-	-	-
									N	-	-	-
									S	o	-	-
									H	-	-	-

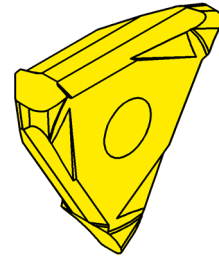
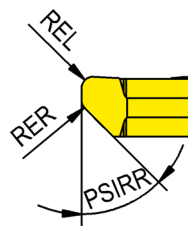
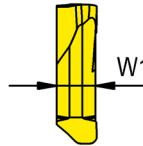
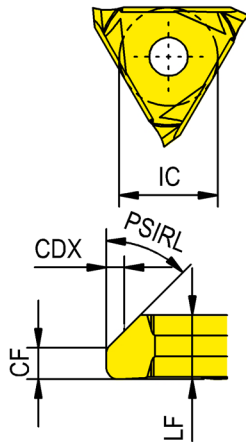
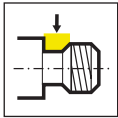
C3



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	RE	W1	LF	IC	Trennstelle M Interface M		P20	AS45	EG35	EG55	TN32
312.0050.02	0,5	4	0,25	0,36	0,43	13	31201000N		▲	▲	▲		▲
312.0100.05	1	4	0,5	0,82	0,91	13	31201000N		▲	▲	▲		▲
312.0110.05	1,1	4	0,55	0,92	1,01	13	31201000N			▲		Δ	
312.0120.06	1,2	4	0,6	0,8	1	13	31201000N		▲	▲		▲	▲
312.0140.07	1,4	4	0,7	1	1,2	13	31201000N			▲		▲	
312.0160.08	1,6	4	0,8	1,1	1,35	13	31201000N		▲	▲		▲	▲
312.0180.09	1,8	4	0,9	1,3	1,55	13	31201000N			▲		▲	
312.0200.10	2	4	1	1,5	1,75	13	31202000N		▲	▲		▲	▲
312.0220.11	2,2	4	1,1	1,7	1,95	13	31202000N			▲		▲	
312.0250.12	2,5	4	1,25	2	2,25	13	31202000N		▲	▲		Δ	▲
312.0280.14	2,8	4	1,4	2,3	2,55	13	31202000N			▲		Δ	
312.0300.15	3	4	1,5	2,5	2,75	13	31203000N		▲	▲		▲	▲
312.0360.18	3,6	4	1,8	3,1	3,35	13	31203000N			▲		Δ	
312.0400.20	4	4	2	3,5	3,75	13	31204000N		▲	▲		Δ	▲
Nutbreiten bis 1,6 mm nur zum Nutenstechdrehen empfohlen Width of groove up to 1,6 mm recommend only for grooving									P	●	●	●	●
									M	-	●	●	-
									K	-	-	-	-
									N	-	-	-	-
									S	-	-	-	-
									H	-	-	-	-

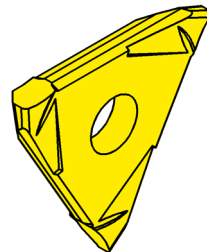
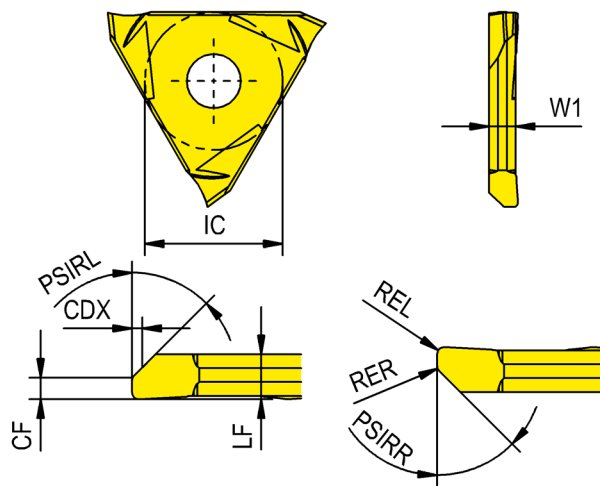
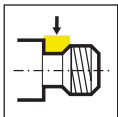


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CF	CDX	REL	RER	PSIRL	PSIRR	W1	LF	IC	Trennstelle M Interface M	P20	EG55	TN35
R312.1050.17	0,6	0,4	0,2	0,2	45°	-	1,5	1,7	13	31201000N		▲	▲
R312.1060.17	0,7	0,5	0,4	0,4	45°	-	1,5	1,7	13	31201000N		Δ	
R312.1070.17	0,85	0,55	0,4	0,4	45°	-	1,5	1,7	13	31201000N		Δ	
R312.1080.27	0,95	0,65	0,4	0,4	45°	-	2,5	2,7	13	31202000N		▲	▲
R312.1100.27	1,2	0,8	0,6	0,6	45°	-	2,5	2,7	13	31202000N	Δ	▲	▲
R312.1125.27	1,5	1	0,6	0,6	45°	-	2,5	2,7	13	31202000N		▲	▲
R312.1150.37	1,85	1,15	0,8	0,8	45°	-	3,5	3,7	13	31203000N		▲	▲
R312.1175.37	2,2	1,3	1	1	45°	-	3,5	3,7	13	31203000N		Δ	
R312.1200.53	2,5	1,5	1	1	45°	-	5,1	5,3	13	31204000N	▲	Δ	
R312.1250.53	3,2	1,8	1,2	1,2	45°	-	5,1	5,3	13	31204000N		Δ	
L312.1050.17	0,6	0,4	0,2	0,2	-	45°	1,5	1,7	13	31201000N		Δ	
L312.1060.17	0,7	0,5	0,4	0,4	-	45°	1,5	1,7	13	31201000N		Δ	
L312.1070.17	0,85	0,55	0,4	0,4	-	45°	1,5	1,7	13	31201000N		Δ	
L312.1080.27	0,95	0,65	0,4	0,4	-	45°	2,5	2,7	13	31202000N		Δ	▲
L312.1100.27	1,2	0,8	0,6	0,6	-	45°	2,5	2,7	13	31202000N		Δ	
L312.1125.27	1,5	1	0,6	0,6	-	45°	2,5	2,7	13	31202000N		Δ	▲
L312.1150.37	1,85	1,15	0,8	0,8	-	45°	3,5	3,7	13	31203000N		Δ	Δ
L312.1175.37	2,2	1,3	1	1	-	45°	3,5	3,7	13	31203000N		Δ	
L312.1200.53	2,5	1,5	1	1	-	45°	5,1	5,3	13	31204000N	Δ	Δ	
L312.1250.53	3,2	1,8	1,2	1,2	-	45°	5,1	5,3	13	31204000N		Δ	
Gewindefreistieche DIN 76 Form B Thread relief DIN 76 form B											P	●	●
											M	-	●
											K	-	-
											N	-	-
											S	-	-
											H	-	-

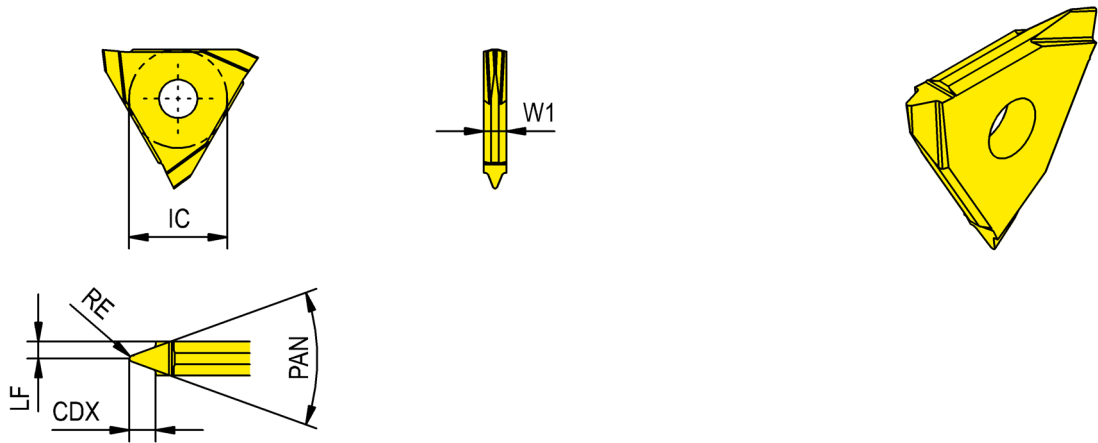
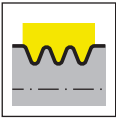


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

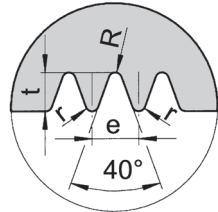
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CF	CDX	REL	RER	PSIRL	PSIRR	W1	LF	IC	Trennstelle M Interface M	EG55	TN35
R312.3050.17	1,1	0,4	0,2	0,2	45°	-	1,5	1,7	13	31201000N	Δ	
R312.3060.27	1,3	0,5	0,4	0,4	45°	-	2,5	2,7	13	31202000N		▲
R312.3080.27	1,75	0,65	0,4	0,4	45°	-	2,5	2,7	13	31202000N	Δ	
R312.3100.37	2,2	0,8	0,6	0,6	45°	-	3,5	3,7	13	31203000N	▲	▲
R312.3125.53	2,8	1	0,6	0,6	45°	-	5,1	5,3	13	31204000N	Δ	Δ
R312.3150.53	3,35	1,15	0,8	0,8	45°	-	5,1	5,3	13	31204000N	▲	▲
R312.3175.56	4	1,3	1	1	45°	-	5,4	5,6	13	31204000N	Δ	Δ
R312.3200.63	4,5	1,5	1	1	45°	-	6,1	6,3	13	31204000N	Δ	Δ
L312.3050.17	1,1	0,4	0,2	0,2	-	45°	1,5	1,7	13	31201000N	Δ	Δ
L312.3060.27	1,3	0,5	0,4	0,4	-	45°	2,5	2,7	13	31202000N	▲	
L312.3080.27	1,75	0,65	0,4	0,4	-	45°	2,5	2,7	13	31202000N	Δ	
L312.3100.37	2,2	0,8	0,6	0,6	-	45°	3,5	3,7	13	31203000N	Δ	
L312.3125.53	2,8	1	0,6	0,6	-	45°	5,1	5,3	13	31204000N	Δ	
L312.3175.56	4	1,3	1	1	-	45°	5,4	5,6	13	31204000N	Δ	
L312.3200.63	4,5	1,5	1	1	-	45°	6,1	6,3	13	31204000N	Δ	
Gewindefreistriche DIN 76 Form A Thread relief DIN 76 form A											P	● ●
											M	● -
											K	- -
											N	- -
											S	- -
											H	- -

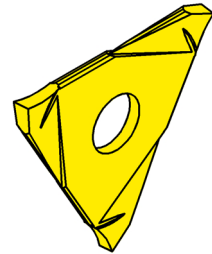
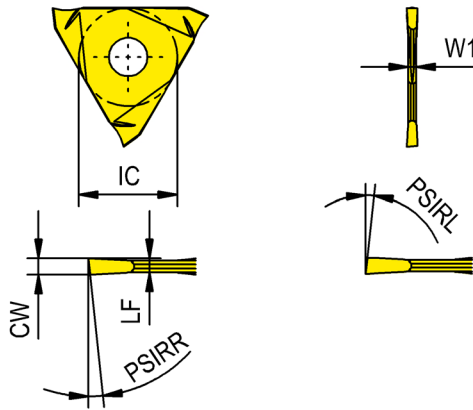


Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CDX	RE	PNA	W1	LF	IC	Trennstelle M Interface M		P20	EG52	TN32
312.0223.23	2,3	0,28	40°	2,34	1,17	13	31202000N			▲	
312.0223.30	2,3	0,28	40°	3	1,5	13	31203000N		▲	▲	▲
WSP 312.0223.23 für Paket-Bestückung WSP 312.0223.30 für Einzel-Bestückung Insert 312.0223.23 for multi grooving Insert 312.0223.30 for single grooving								P	●	●	●
Nutform: Poly-V-Riemennut Profil „J” Shape of groove: Poly-V-belt grooves profile „J”								M	-	o	-
								K	-	-	-
								N	-	-	-
								S	-	-	-
								H	-	-	-



e		t		R		r
±0,25		max	min	max	min	
2,34		2,34	2,08	0,38	0,25	0,2



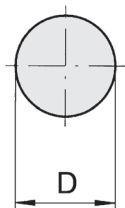
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

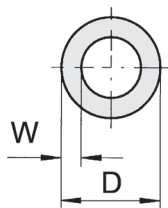
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R312.0614.00	1,44	-	6°	1,04	1,24	13	31201000N		▲	▲	▲	▲	▲
L312.0614.00	1,44	6°	-	1,04	1,24	13	31201000N		▲	▲	▲	▲	▲
								P	●	●	●	●	●
								M	●	●	●	●	-
								K	-	-	-	-	-
								N	-	-	-	-	-
								S	-	-	-	-	-
								H	-	-	-	-	-

Abstechen von Wellen
Parting off solid bars

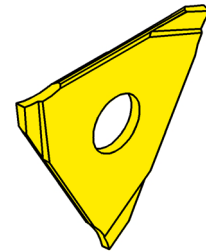
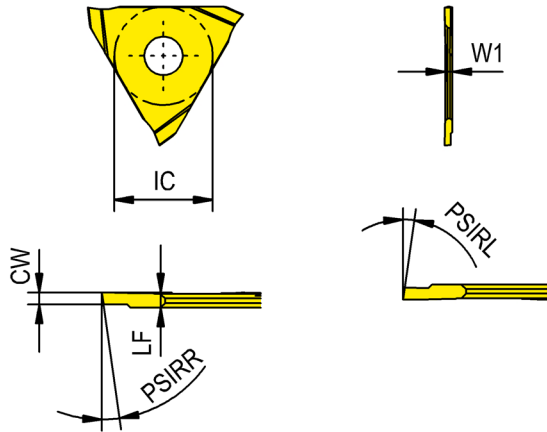


D bis/up to 11 mm

Abstechen von Rohren
Parting off tubes



D ≥ 50 bis/up to W ≈ 5 mm
D ≤ 50 bis/up to W ≈ 4 mm



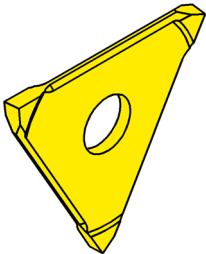
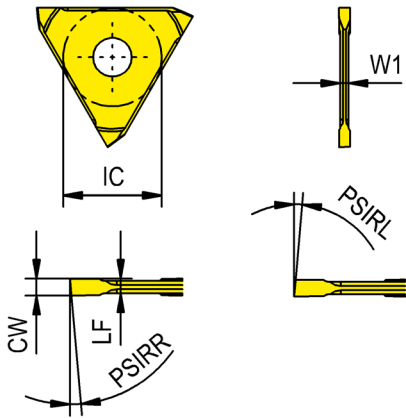
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	W1	LF	IC	Trennstelle M Interface M	EG35	TF45
R312.0805.00	0,5	-	8°	0,9	1	13	31208000N	▲	▲
R312.0808.00	0,8	-	8°	0,9	1	13	31208000N	▲	▲
R312.0510.00	1	-	5°	0,8	0,9	13	31208000N	▲	▲
R312.1210.00	1	-	12°	0,8	0,9	13	31208000N	▲	▲
R312.0512.00	1,2	-	5°	0,8	1	13	31208000N	▲	▲
R312.0515.00	1,5	-	5°	1,1	1,3	13	31211000N	▲	▲
L312.0805.00	0,5	8°	-	0,9	1	13	31208000N	▲	▲
L312.0808.00	0,8	8°	-	0,9	1	13	31208000N	▲	▲
L312.0510.00	1	5°	-	0,8	0,9	13	31208000N	▲	▲
L312.1210.00	1	12°	-	0,8	0,9	13	31208000N	▲	▲
L312.0512.00	1,2	5°	-	0,8	1	13	31208000N	▲	▲
L312.0515.00	1,5	5°	-	1,1	1,3	13	31211000N	▲	▲
								P	● ●
								M	● ●
								K	- -
								N	- -
								S	- -
								H	- -

C3

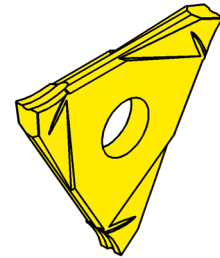
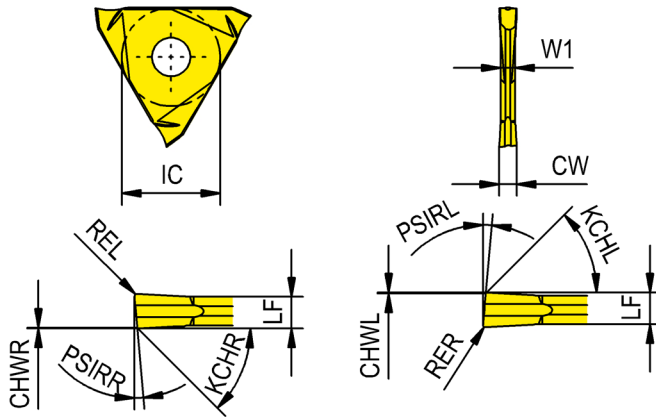


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	PSIRL	PSIRR	W1	LF	IC	Trennstelle M Interface M		EG35	TF45
R312.0512.M0	1,2	-	5°	0,8	1	13	31208000N		▲	▲
R312.0515.M0	1,5	-	5°	1,1	1,3	13	31211000N		▲	▲
L312.0512.M0	1,2	5°	-	0,8	1	13	31208000N		▲	▲
L312.0515.M0	1,5	5°	-	1,1	1,3	13	31211000N		Δ	▲
								P	●	●
								M	o	o
								K	-	-
								N	-	-
								S	-	-
								H	-	-



R = rechts wie gezeichnet
R = right hand version shown

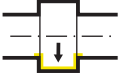
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L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

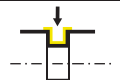
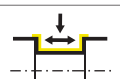
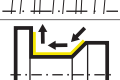
Artikelnummer Part number	CW	REL	RER	KCHL	KCHR	PSIRL	PSIRR	CHWL	CHWR	W1	LF	IC	Trennstel- le M Interface M	EG55	TF45	TN32	TN35
R312.0514.00	1,44	0,15	-	-	45°	-	5°	-	0,05	1,04	1,24	13	31201000N	▲	▲	-	-
R312.0518.00	1,99	0,15	-	-	45°	-	5°	-	0,05	1,59	1,79	13	31201000N	▲	-	▲	▲
R312.0521.00	2,29	0,15	-	-	45°	-	5°	-	0,05	1,89	2,09	13	31202000N	▲	-	▲	▲
L312.0514.00	1,44	-	0,15	45°	-	5°	-	0,05	-	1,04	1,24	13	31201000N	▲	-	-	-
L312.0518.00	1,99	-	0,15	45°	-	5°	-	0,05	-	1,59	1,79	13	31201000N	▲	-	▲	▲
L312.0521.00	2,29	-	0,15	45°	-	5°	-	0,05	-	1,89	2,09	13	31202000N	▲	-	▲	▲
N312.0014.00	1,44	0,15	0,15	-	-	-	-	-	-	1,04	1,24	13	31201000N	▲	▲	-	-
														P	●	●	●
														M	●	●	-
														K	-	-	-
														N	-	-	-
														S	-	-	-
														H	-	-	-

Kapitel Chapter	C						D	
	C1	C2	C3	C4	C5	C6	D1	D2
System System	32T	34T	312	315	316	395	64T	66T

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 46	≥ 43		26		
CW			0,4-5,28	0,3-20		8,5-15,5		
			•	•		•		
				•		•		
				•				
								

Außenbearbeitung / External Grooving

CDX	≤ 3,5	6,5	≤ 8	≤ 6	≤ 8	4	≤ 5,5	≤ 9,5
CW	0,34-2,5	1,03-5	0,4-5,28	0,3-20	1,5-3	8,5-15,5	0,38-3,26	2-3
	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•
	•	•	•	•	•		•	•
				•			•	
		•		•				
			•	•				

C4

315



C4

Klemmhalter und Schneidplatten

Stechbreite 0,3 - 20 mm
Stechtiefe bis 6 mm

Toolholder and Inserts

Width of groove 0,3 - 20 mm
Depth of groove up to 6 mm

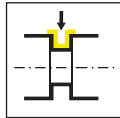
Inhaltsangabe

Summary

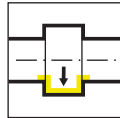
Geometrien und
Vorschübe
Geometries and feed rates

Seite/Page
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Klemmhalter
Toolholder
356/H315/357/333



Seite/Page
483-491

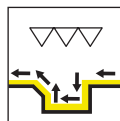


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Wendeschneidplatte
Indexable insert
315/S315



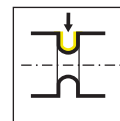
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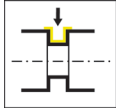
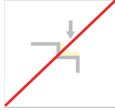
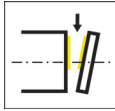
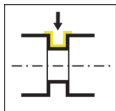
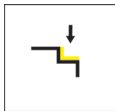
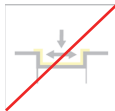
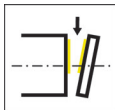
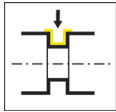
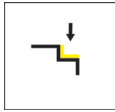
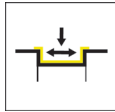
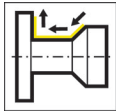
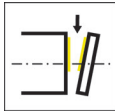
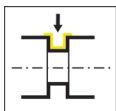
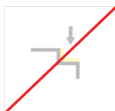
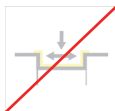
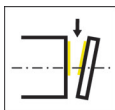
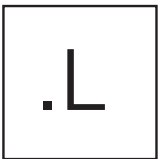
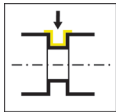
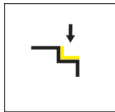
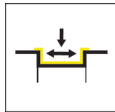
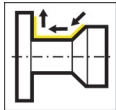
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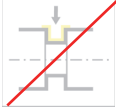
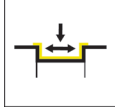


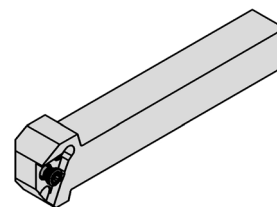
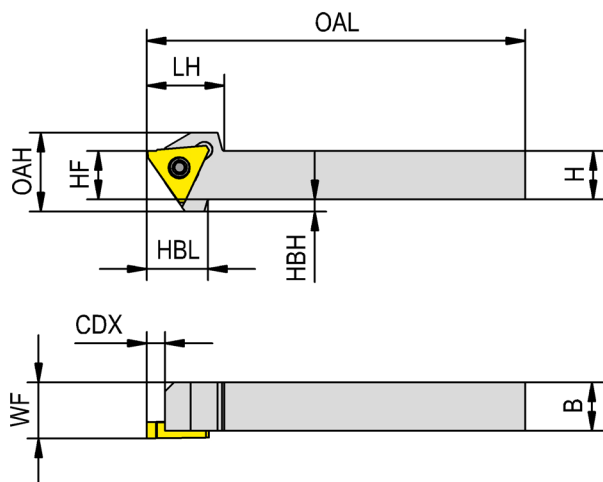
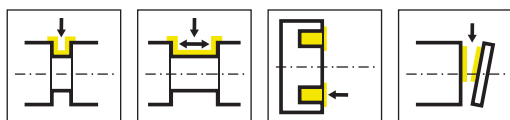
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Grundabmessungen
Basic sizes

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Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,02-0,12	    
	P M K N S H	↓ 0,10-0,45	    
	P M K N S H	↓ 0,03-0,15	    
	P M K N S H	↓ 0,03-0,15	    
	P M K N S H	↓ 0,10-0,22 ↔ 0,05-0,20	    

Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	    



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

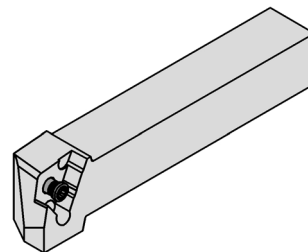
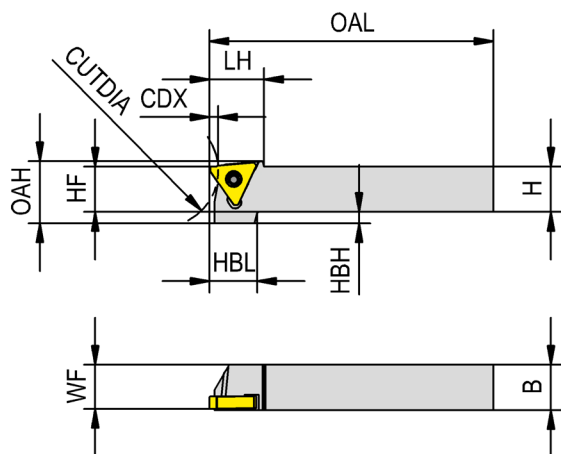
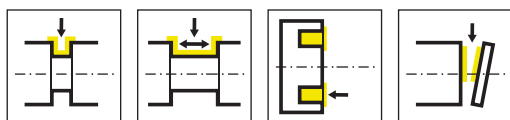
Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R356.1212.03	6	12	12	100	25	20	26	8	12,3	12	31503051R
R356.1616.03	6	16	16	125	25	20	26	4	16,3	16	31503051R
R356.2020.03	6	20	20	125	25	-	26	-	20,3	20	31503051R
R356.2525.03	6	25	25	150	25	-	31	-	25,3	25	31503051R
R356.3232.03	6	32	32	170	25	-	38	-	32,3	32	31503051R
R356.1212.05	6	12	12	100	25	20	26	8	12,3	12	31505051R
R356.1616.05	6	16	16	125	25	20	26	4	16,3	16	31505051R
R356.2020.05	6	20	20	125	25	-	26	-	20,3	20	31505051R
R356.2525.05	6	25	25	150	25	-	31	-	25,3	25	31505051R
R356.3232.05	6	32	32	170	25	-	38	-	32,3	32	31505051R
R356.2020.07	6	20	20	125	25	-	26	-	20,3	20	31507051R
R356.2525.07	6	25	25	150	25	-	31	-	25,3	25	31507051R
R356.3232.07	6	32	32	170	25	-	38	-	32,3	32	31507051R
L356.1212.03	6	12	12	100	25	20	26	8	12,3	12	31503051L
L356.1616.03	6	16	16	125	25	20	26	4	16,3	16	31503051L
L356.2020.03	6	20	20	125	25	-	26	-	20,3	20	31503051L
L356.2525.03	6	25	25	150	25	-	31	-	25,3	25	31503051L
L356.3232.03	6	32	32	170	25	-	38	-	32,3	32	31503051L
L356.1212.05	6	12	12	100	25	20	26	8	12,3	12	31505051L
L356.1616.05	6	16	16	125	25	20	26	4	16,3	16	31505051L
L356.2020.05	6	20	20	125	25	-	26	-	20,3	20	31505051L
L356.2525.05	6	25	25	150	25	-	31	-	25,3	25	31505051L
L356.3232.05	6	32	32	170	25	-	38	-	32,3	32	31505051L
L356.2020.07	6	20	20	125	25	-	26	-	20,3	20	31507051L
L356.2525.07	6	25	25	150	25	-	31	-	25,3	25	31507051L
L356.3232.07	6	32	32	170	25	-	38	-	32,3	32	31507051L

Ersatzteile

Spare Parts

CW siehe Wendschneidplatten
CW see indexable inserts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L356.1212.03	5.10T20P	T20PQ
R/L356...	5.12T20P	T20PQ
R/L356.1212.05	5.15T20P	T20PQ
R/L356...	5.15T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R356.1616.13	5	35	16	16	125	24	21	22,35	4	16,3	16	31503051R
R356.2020.13	5	35	20	20	125	24	-	22,35	-	20,3	20	31503051R
R356.2525.13	5	35	25	25	150	24	-	27,35	-	25,3	25	31503051R
R356.1616.15	5	35	16	16	125	24	21	22,35	4	16,3	16	31505051R
R356.2020.15	5	35	20	20	125	24	-	22,35	-	20,3	20	31505051R
R356.2525.15	5	35	25	25	150	24	-	27,35	-	25,3	25	31505051R
R356.1616.16	5	35	16	16	125	24	21	22,35	4	16,3	16	31506051R
R356.2020.16	5	35	20	20	125	24	21	27,35	5	20,3	20	31506051R
R356.2525.16	5	35	25	25	150	24	-	27,35	-	25,3	25	31506051R
R356.2020.17	5	30	20	20	125	24	21	22,35	4	20,3	20	31507051R
R356.2525.17	5	30	25	25	150	24	-	27,35	-	25,3	25	31507051R
R356.2020.10	5	30	20	20	125	24	21	22,35	4	20,3	20	31510051R
L356.1616.13	5	35	16	16	125	24	21	22,35	4	16,3	16	31503051L
L356.2020.13	5	35	20	20	125	24	-	22,35	-	20,3	20	31503051L
L356.2525.13	5	35	25	25	150	24	-	27,35	-	25,3	25	31503051L
L356.1616.15	5	35	16	16	125	24	21	22,35	4	16,3	16	31505051L
L356.2020.15	5	35	20	20	125	24	-	22,35	-	20,3	20	31505051L
L356.2525.15	5	35	25	25	150	24	-	27,35	-	25,3	25	31505051L
L356.1616.16	5	35	16	16	125	24	21	22,35	4	16,3	16	31506051L
L356.2020.16	5	35	20	20	125	24	21	27,35	5	20,3	20	31506051L
L356.2525.16	5	35	25	25	150	24	-	27,35	-	25,3	25	31506051L
L356.2020.17	5	30	20	20	125	24	21	22,35	4	20,3	20	31507051L
L356.2525.17	5	30	25	25	150	24	-	27,35	-	25,3	25	31507051L
L356.2020.10	5	30	20	20	125	24	21	22,35	4	20,3	20	31510051L

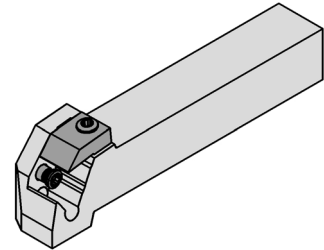
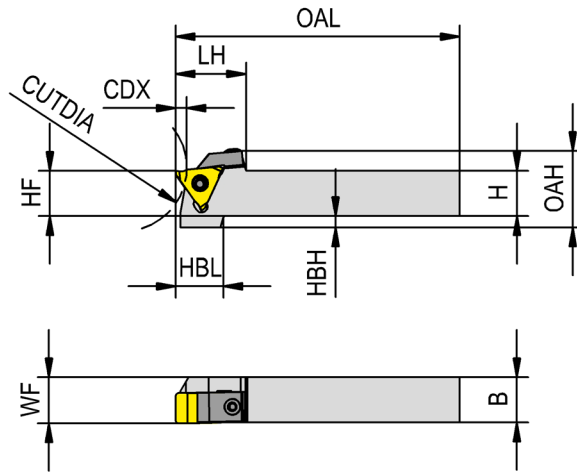
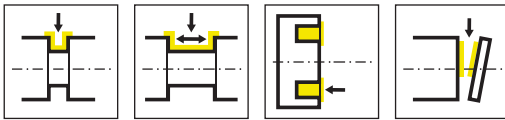
Stechtiefe in Abhängigkeit des Außen-
Depth of groove in relation to outer ϕ

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L356...13/...15/...16.16.16	5.12T20P	T20PQ
R/L356...10/...16.../17	5.15T20P	T20PQ

CUTDIA	CDX
35	5
50	4,5
75	4
125	3,5
200	3



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R356.2020.2.13	5	30	20	20	125	31	21	33,5	4	20,4	20	31513051R
R356.2525.2.13	5	30	25	25	150	31	-	33,5	-	25,4	25	31513051R
L356.2020.2.13	5	30	20	20	125	31	21	33,5	4	20,4	20	31513051L
L356.2525.2.13	5	30	25	25	150	31	-	33,5	-	25,4	25	31513051L

Stechtiefe in Abhängigkeit des Außen- ϕ
Depth of groove in relation to outer ϕ

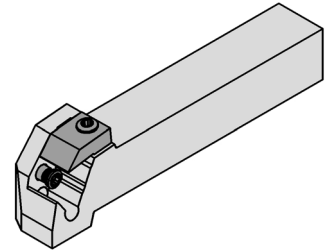
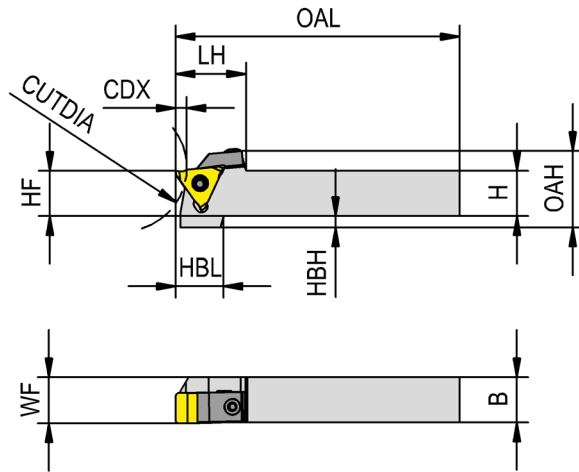
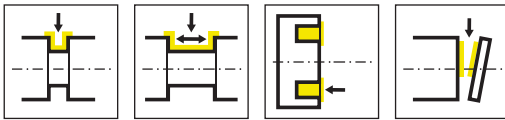
CUTDIA	CDX
30	5
40	4,5
60	4
115	3,5
185	3

C4

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L356.2020.2.13	5.12T20P	010.2013.0468	T20PQ
R/L356.2525.2.13	5.15T20P	010.2013.0468	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH315.2020.05.P.15	5	30	20	20	125	34,5	29,8	20,5	20	31515050R
RH315.2525.05.P.15	5	30	25	25	150	34,5	34,8	25,5	25	31515050R
RH315.2525.05.P.20	5	30	25	25	150	34,5	34,8	25,5	25	31520050R
LH315.2020.05.P.15	5	30	20	20	125	34,5	29,8	20,5	20	31515050L
LH315.2525.05.P.15	5	30	25	25	150	34,5	34,8	25,5	25	31515050L
LH315.2525.05.P.20	5	30	25	25	150	34,5	34,8	25,5	25	31520050L

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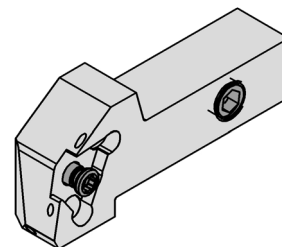
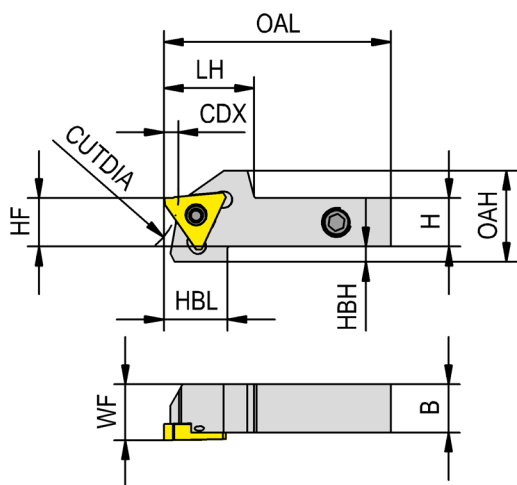
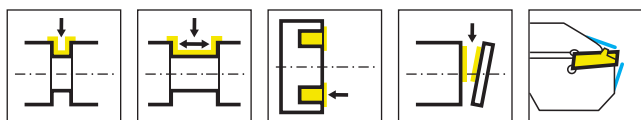
Stechtiefe in Abhängigkeit des Außen- $\varnothing$
Depth of groove in relation to outer $\varnothing$

CUTDIA	CDX
35	5
50	4,5
75	4
125	3,5
200	3

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH315....	010.0015.0781	5.15T20P	T20PQ
R/LH315.2525.05.P.20	010.0020.0780	5.15T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

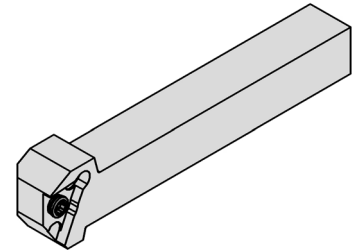
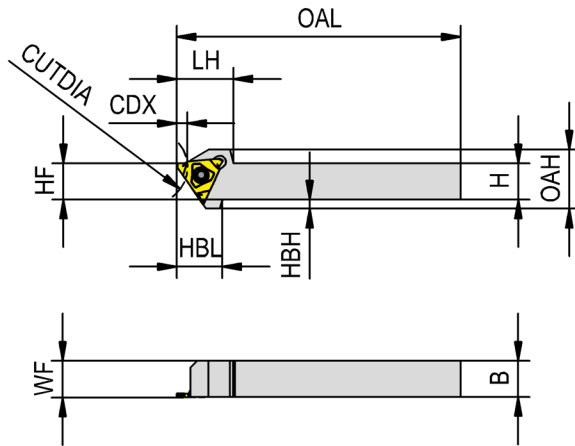
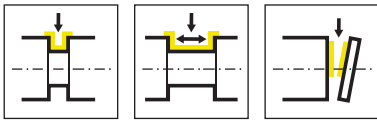
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH315.1616.05.0A.03.IK	5	35	16	16	75	30	21	30	5	16,3	16	31503051R
RH315.2020.05.0A.03.IK	5	35	20	20	90	30	21	34	5	20,3	20	31503051R
RH315.2525.05.0A.03.IK	5	35	25	25	105	30	21	39	5	25,3	25	31503051R
RH315.1616.05.0A.05.IK	5	35	16	16	75	30	21	30	5	16,3	16	31505051R
RH315.2020.05.0A.05.IK	5	35	20	20	90	30	21	34	5	20,3	20	31505051R
RH315.2525.05.0A.05.IK	5	35	25	25	105	30	21	39	5	25,3	25	31505051R
LH315.1616.05.0A.03.IK	5	35	16	16	75	30	21	30	5	16,3	16	31503051L
LH315.2020.05.0A.03.IK	5	35	20	20	90	30	21	34	5	20,3	20	31503051L
LH315.2525.05.0A.03.IK	5	35	25	25	105	30	21	39	5	25,3	25	31503051L
LH315.1616.05.0A.05.IK	5	35	16	16	75	30	21	30	5	16,3	16	31505051L
LH315.2020.05.0A.05.IK	5	35	20	20	90	30	21	34	5	20,3	20	31505051L
LH315.2525.05.0A.05.IK	5	35	25	25	105	30	21	39	5	25,3	25	31505051L

Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".
Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH315...	5.12T20P	004.00.16	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R356.1212.S.03	5,5	12	12	100	25	20	26	8	12,3	12	S31503051R
R356.1616.S.03	5,5	16	16	125	25	20	26	4	16,3	16	S31503051R
R356.2020.S.03	5,5	20	20	125	25	-	26	-	20,3	20	S31503051R
R356.2525.S.03	5,5	25	25	150	25	-	31	-	25,3	25	S31503051R
L356.1212.S.03	5,5	12	12	100	25	20	26	8	12,3	12	S31503051L
L356.1616.S.03	5,5	16	16	125	25	20	26	4	16,3	16	S31503051L
L356.2020.S.03	5,5	20	20	125	25	-	26	-	20,3	20	S31503051L
L356.2525.S.03	5,5	25	25	150	25	-	31	-	25,3	25	S31503051L

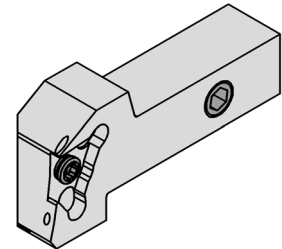
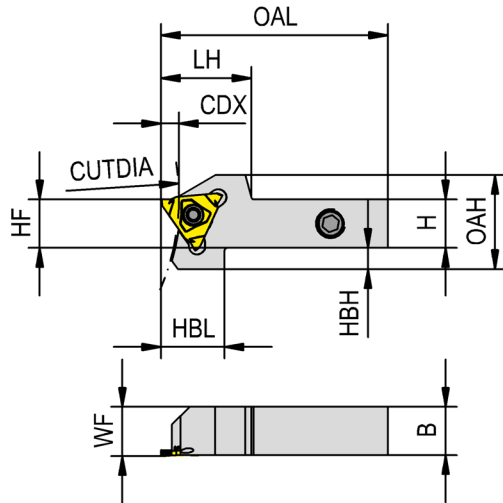
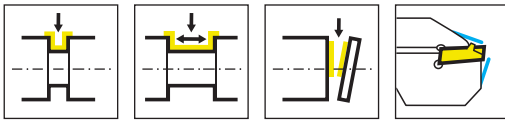
Stechtiefe in Abhängigkeit des Außen- $\varnothing$
Depth of groove in relation to outer $\varnothing$

CUTDIA	CDX
30	5
40	4,5
60	4
115	3,5
185	3

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L356.1212.S.03	5.10T20P	T20PQ
R/L356...	5.12T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH315.1616.06.SA.03.IK	6	150	16	16	75	30	21	31	7	16,3	16	S31503051R
RH315.2020.06.SA.03.IK	6	150	20	20	90	30	21	31	3	20,3	20	S31503051R
RH315.2525.06.SA.03.IK	6	150	25	25	105	30	21	36	3	25,3	25	S31503051R
LH315.1616.06.SA.03.IK	6	150	16	16	75	30	21	31	7	16,3	16	S31503051L
LH315.2020.06.SA.03.IK	6	150	20	20	90	30	21	31	3	20,3	20	S31503051L
LH315.2525.06.SA.03.IK	6	150	25	25	105	30	21	36	3	25,3	25	S31503051L

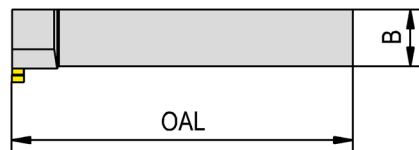
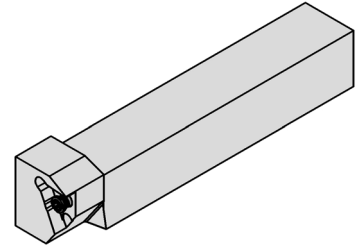
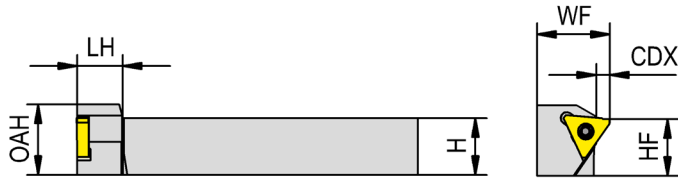
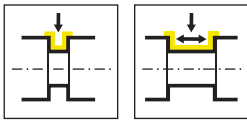
Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".
Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

C4

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH315...	5.12T20P	004.00.16	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
R357.2020.05	6	20	20	125,3	20	26	27	20	31505051L
R357.2525.05	6	25	25	150,3	20	31	32	25	31505051L
L357.2020.05	6	20	20	125,3	20	26	27	20	31505051R
L357.2525.05	6	25	25	150,3	20	31	32	25	31505051R

Bestellhinweis:

Rechte WSP in linken, linke WSP in rechten Klemmhaltern verwenden.

Ordering note:

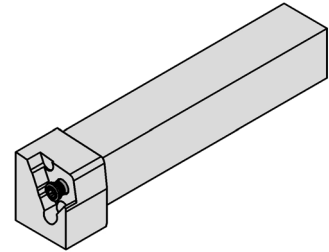
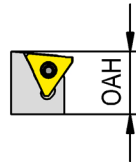
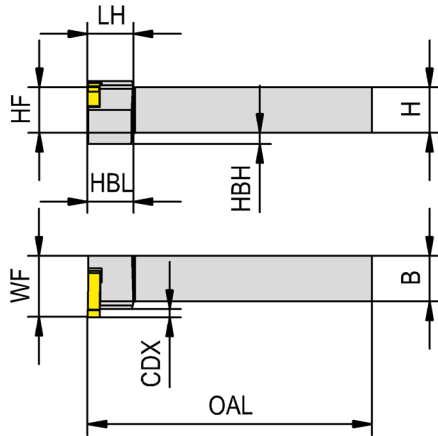
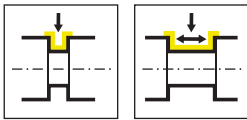
Use right hand inserts in left hand toolholders and left hand inserts in right hand toolholders

C4

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L357...	5.12T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R357.2020.15	3,6	20	20	125,3	20	20	27,7	5	27	20	31505051L
R357.2525.15	3,6	25	25	150,3	20	-	28,1	-	32	25	31505051L
L357.2020.15	3,6	20	20	125,3	20	20	27,7	5	27	20	31505051R
L357.2525.15	3,6	25	25	150,3	20	-	28,1	-	32	25	31505051R

Bestellhinweis:

Rechte WSP in linken, linke WSP in rechten Klemmhaltern verwenden.

Ordering note:

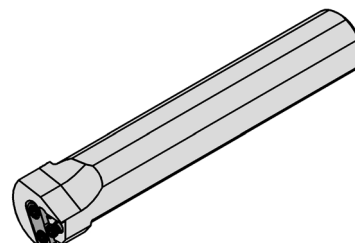
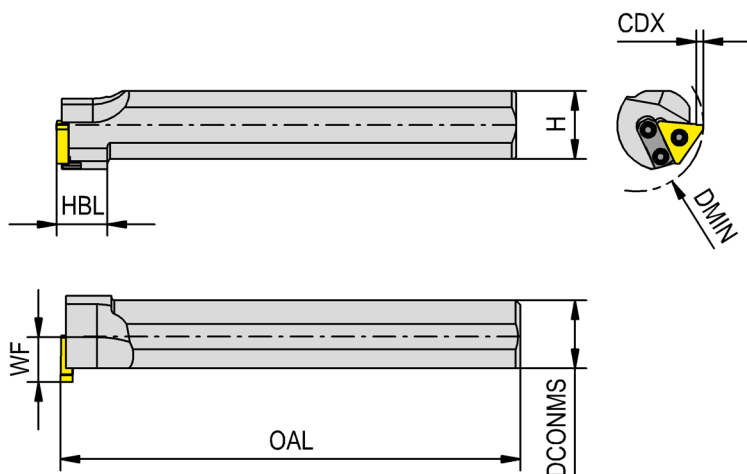
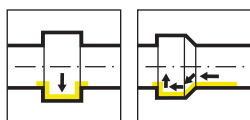
Use right hand inserts in left hand toolholders and left hand inserts in right hand toolholders

C4

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L357...	5.12T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	DMIN	DCONMS	H	OAL	HBL	WF	Trennstelle W Interface W
R333.0025.03	1,8	43	25	23	170,3	20	20	31503051L
R333.0032.03	1,8	43	32	30	200,3	20	20	31503051L
R333.0025.05	1,8	43	25	23	170,3	20	20	31505051L
R333.0032.05	1,8	43	32	30	200,3	20	20	31505051L
R333.0040.05	2	46	40	38	250,3	-	24	31505051L
L333.0025.03	1,8	43	25	23	170,3	20	20	31503051R
L333.0032.03	1,8	43	32	30	200,3	20	20	31503051R
L333.0025.05	1,8	43	25	23	170,3	20	20	31505051R
L333.0032.05	1,8	43	32	30	200,3	20	20	31505051R
L333.0040.05	2	46	40	38	250,3	-	24	31505051R

Bestellhinweis:

Rechte WSP in linken, linke WSP in rechten Klemmhaltern verwenden.

Ordering note:

Use right hand inserts in left hand toolholders and left hand inserts in right hand toolholders

Stechtiefe in Abhängigkeit des Bohrungs-ø

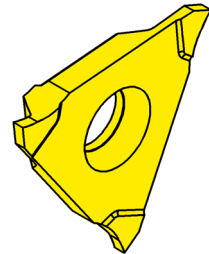
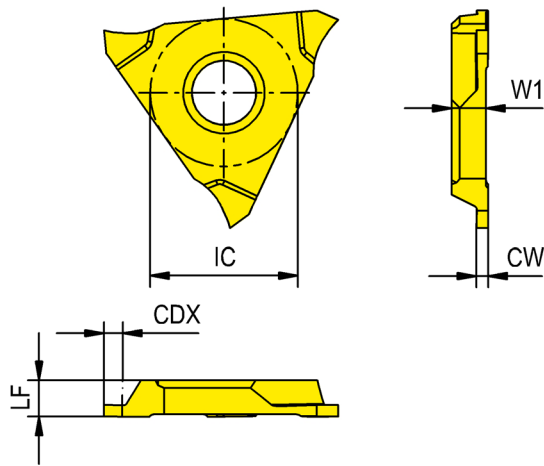
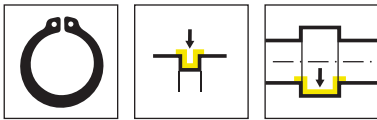
Depth of groove in relation to bore ø

DMIN	CDX
43	1,8
46	2
50	3
60	4
80	4,5
100	5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L333...	5.12T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	RTRG	W1	LF	IC	Trennstelle M Interface M	TN32
R315.0034.32.00	0,38	0,34	3,1	3,2	13	31503051R	Δ
R315.0044.32.00	0,48	0,44	3,1	3,2	13	31503051R	Δ
R315.0050.32.00	0,54	0,5	3,1	3,2	13	31503051R	▲
R315.0060.32.00	0,64	0,6	3,1	3,2	13	31503051R	Δ
R315.0070.32.00	0,74	0,7	3,1	3,2	13	31503051R	▲
R315.0080.32.00	0,84	0,8	3,1	3,2	13	31503051R	▲
R315.0090.32.00	0,94	0,9	3,1	3,2	13	31503051R	▲
R315.0100.32.00	1,04	1	3	3,2	13	31503051R	▲
L315.0034.32.00	0,38	0,34	3,1	3,2	13	31503051L	Δ
L315.0044.32.00	0,48	0,44	3,1	3,2	13	31503051L	Δ
L315.0050.32.00	0,54	0,5	3,1	3,2	13	31503051L	Δ
L315.0060.32.00	0,64	0,6	3,1	3,2	13	31503051L	Δ
L315.0070.32.00	0,74	0,7	3,1	3,2	13	31503051L	Δ
L315.0080.32.00	0,84	0,8	3,1	3,2	13	31503051L	Δ
L315.0090.32.00	0,94	0,9	3,1	3,2	13	31503051L	▲
L315.0100.32.00	1,04	1	3	3,2	13	31503051L	Δ

Außenbearbeitung:

Rechte WSP in rechten Klemmhalter 356, linke WSP in linken Klemmhaltern 356 verwenden.

External machining:

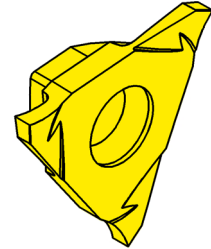
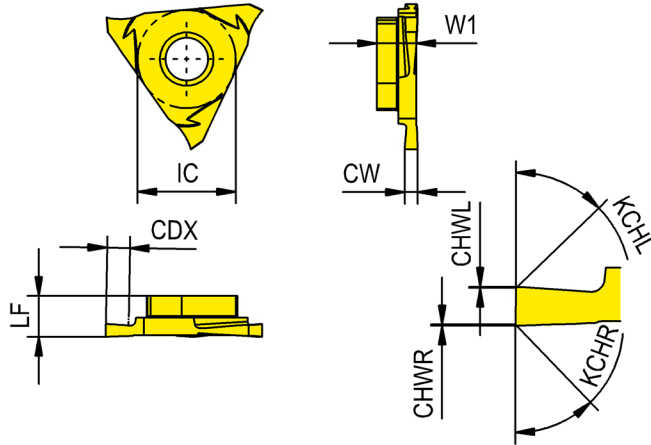
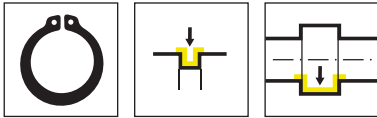
Right hand insert in right hand toolholder 356, left hand insert in left hand toolholder 356.

Abmessungen für Seegerringnuten DIN 471/472

Widths for circlip grooves DIN 471/472

P	●
M	-
K	-
N	-
S	-
H	-

C4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	RTRG	CDX	KCHL	KCHR	CHWL	CHWR	W1	LF	IC	Trennstelle M Interface M	TN35
R315.0110.00	1,21	1,1	2	45°	45°	0,05	0,05	5,2	5,4	13	31505051R	▲
R315.0130.00	1,41	1,3	2	45°	45°	0,05	0,05	5,2	5,4	13	31505051R	▲
R315.0160.00	1,71	1,6	3	45°	45°	0,05	0,05	5,2	5,4	13	31505051R	▲
R315.0185.00	1,96	1,85	3	45°	45°	0,05	0,05	5,2	5,4	13	31505051R	▲
R315.0215.00	2,26	2,15	4	45°	45°	0,05	0,05	5,2	5,4	13	31505051R	▲
R315.0265.00	2,76	2,65	4	45°	45°	0,05	0,05	5,2	5,4	13	31505051R	▲
R315.0315.00	3,26	3,15	5	45°	45°	0,05	0,05	5,2	5,4	13	31505051R	▲
R315.0415.00	4,26	4,15	5	45°	45°	0,05	0,05	5,2	5,4	13	31505051R	▲
L315.0110.00	1,21	1,1	2	45°	45°	0,05	0,05	5,2	5,4	13	31505051L	▲
L315.0130.00	1,41	1,3	2	45°	45°	0,05	0,05	5,2	5,4	13	31505051L	▲
L315.0160.00	1,71	1,6	3	45°	45°	0,05	0,05	5,2	5,4	13	31505051L	▲
L315.0185.00	1,96	1,85	3	45°	45°	0,05	0,05	5,2	5,4	13	31505051L	▲
L315.0215.00	2,26	2,15	4	45°	45°	0,05	0,05	5,2	5,4	13	31505051L	▲
L315.0265.00	2,76	2,65	4	45°	45°	0,05	0,05	5,2	5,4	13	31505051L	▲
L315.0315.00	3,26	3,15	5	45°	45°	0,05	0,05	5,2	5,4	13	31505051L	▲
L315.0415.00	4,26	4,15	5	45°	45°	0,05	0,05	5,2	5,4	13	31505051L	▲

Außenbearbeitung:

Rechte WSP in rechten Klemmhalter 356, linke WSP in linken Klemmhaltern 356 verwenden.

External machining:

Right hand insert in right hand toolholder 356, left hand insert in left hand toolholder 356.

Innenbearbeitung:

Rechte WSP in linken Klemmhalter 333/357, linke WSP in rechten Klemmhaltern 333/357 verwenden.

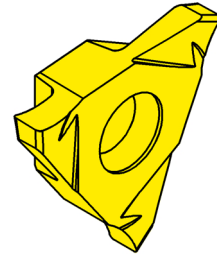
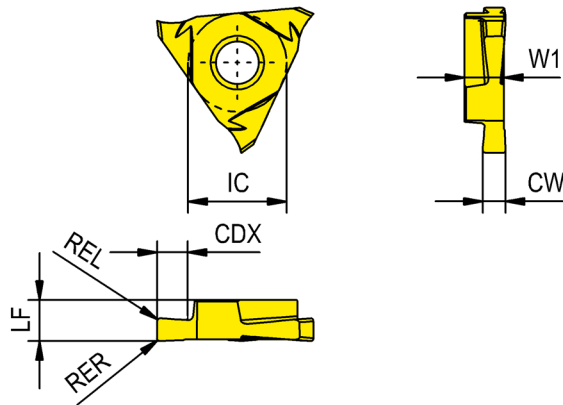
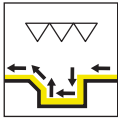
Internal machining:

Right hand insert in left hand toolholder 333/357, left hand insert in right hand toolholder 333/357.

Abmessungen für Seegerringnuten DIN 471/472

Widths for circlip grooves DIN 471/472

P	●
M	-
K	-
N	-
S	-
H	-



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M	TN35
R315.0200.02	2,01	3	0,2	0,2	5,2	5,4	13	31505051R	▲
R315.0200.04	2,01	3	0,4	0,4	5,2	5,4	13	31505051R	▲
R315.0300.02	3,01	4	0,2	0,2	5,2	5,4	13	31505051R	▲
R315.0300.04	3,01	4	0,4	0,4	5,2	5,4	13	31505051R	▲
L315.0200.02	2,01	3	0,2	0,2	5,2	5,4	13	31505051L	▲
L315.0200.04	2,01	3	0,4	0,4	5,2	5,4	13	31505051L	Δ
L315.0300.02	3,01	4	0,2	0,2	5,2	5,4	13	31505051L	▲
L315.0300.04	3,01	4	0,4	0,4	5,2	5,4	13	31505051L	▲
									P ●
									M -
									K -
									N -
									S -
									H -

Außenbearbeitung:

Rechte WSP in rechten Klemmhalter 356, linke WSP in linken Klemmhaltern 356 verwenden.

External machining:

Right hand insert in right hand toolholder 356, left hand insert in left hand toolholder 356.

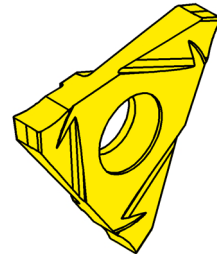
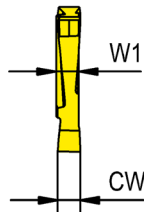
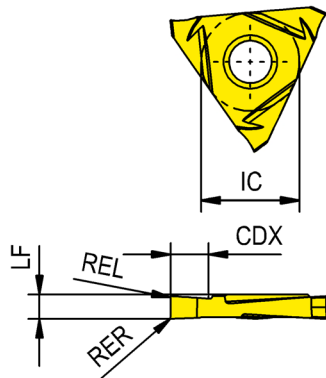
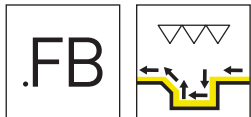
Innenbearbeitung:

Rechte WSP in linken Klemmhalter 333/357, linke WSP in rechten Klemmhaltern 333/357 verwenden.

Internal machining:

Right hand insert in left hand toolholder 333/357, left hand insert in right hand toolholder 333/357.

C4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M	H20
R315.FB25.02	2,5	5	0,2	0,2	3	3,2	13	31503051R	▲
R315.FB30.02	3	5	0,2	0,2	3	3,2	13	31503051R	▲
L315.FB25.02	2,5	5	0,2	0,2	3	3,2	13	31503051L	▲
L315.FB30.02	3	5	0,2	0,2	3	3,2	13	31503051L	▲
									P ●
									M -
									K -
									N -
									S -
									H -

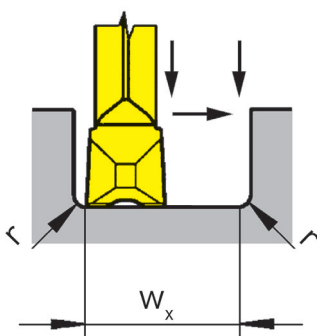
Berechnung der kleinstmöglichen Nutbreite w_x : Calculation of the smallest possible width of groove w_x :

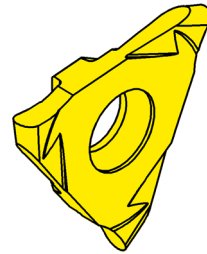
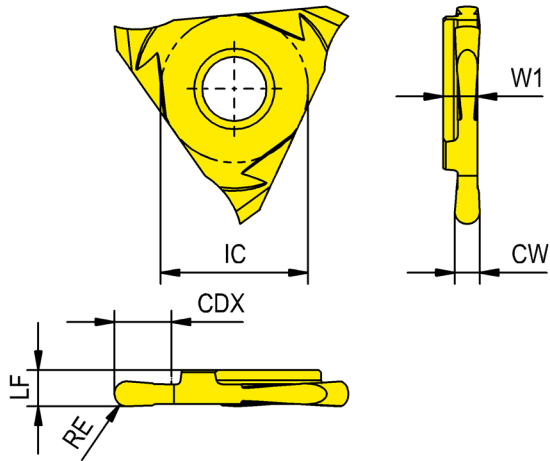
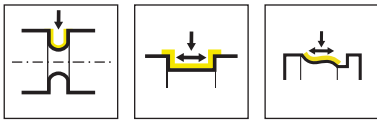
Beispiel R315.FB30.02
Example

$w_x = 2 \cdot \text{Schneidbreite CW (3 mm)} - 2 \cdot \text{Eckenradius r (0,2 mm, entspricht REL und RER der Schneidplatte)}$
2 · width of groove CW (3 mm) - 2 · corner radius r (0,2 mm, corresponds to the REL and RER of the insert)

$w_x = (2 \cdot 3 \text{ mm}) - (2 \cdot 0,2 \text{ mm})$

$w_x = 5,6 \text{ mm}$





R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	RE	W1	LF	IC	Trennstelle M Interface M	AS45
R315.0100.05	1	2,5	0,5	3,1	3,2	13	31503051R	▲
R315.0120.06	1,2	3	0,6	3	3,2	13	31503051R	▲
R315.0150.07	1,5	5	0,75	3	3,2	13	31503051R	▲
R315.0160.08	1,6	5	0,8	3	3,2	13	31503051R	▲
R315.0180.09	1,8	5	0,9	3	3,2	13	31503051R	Δ
R315.0200.10	2	5	1	3	3,2	13	31503051R	▲
R315.0220.11	2,2	5	1,1	3	3,2	13	31503051R	Δ
R315.0250.12	2,5	5	1,25	3	3,2	13	31503051R	▲
R315.0280.14	2,8	5	1,4	3	3,2	13	31503051R	▲
R315.0300.15	3	5	1,5	3	3,2	13	31503051R	▲
R315.0360.18	3,6	5	1,8	5,2	5,4	13	31505051R	Δ
R315.0400.20	4	5	2	5,2	5,4	13	31505051R	Δ
L315.0100.05	1	2,5	0,5	3,1	3,2	13	31503051L	▲
L315.0120.06	1,2	3	0,6	3	3,2	13	31503051L	▲
L315.0150.07	1,5	5	0,75	3	3,2	13	31503051L	▲
L315.0160.08	1,6	5	0,8	3	3,2	13	31503051L	Δ
L315.0180.09	1,8	5	0,9	3	3,2	13	31503051L	Δ
L315.0200.10	2	5	1	3	3,2	13	31503051L	▲
L315.0220.11	2,2	5	1,1	3	3,2	13	31503051L	Δ
L315.0250.12	2,5	5	1,25	3	3,2	13	31503051L	▲
L315.0280.14	2,8	5	1,4	3	3,2	13	31503051L	Δ
L315.0300.15	3	5	1,5	3	3,2	13	31503051L	Δ
L315.0360.18	3,6	5	1,8	5,2	5,4	13	31505051L	Δ
L315.0400.20	4	5	2	5,2	5,4	13	31505051L	Δ

Außenbearbeitung:

Rechte WSP in rechten Klemmhalter 356, linke WSP in linken Klemmhaltern 356 verwenden.

External machining:

Right hand insert in right hand toolholder 356, left hand insert in left hand toolholder 356.

Innenbearbeitung:

Rechte WSP in linken Klemmhalter 333/357, linke WSP in rechten Klemmhaltern 333/357 verwenden.

Internal machining:

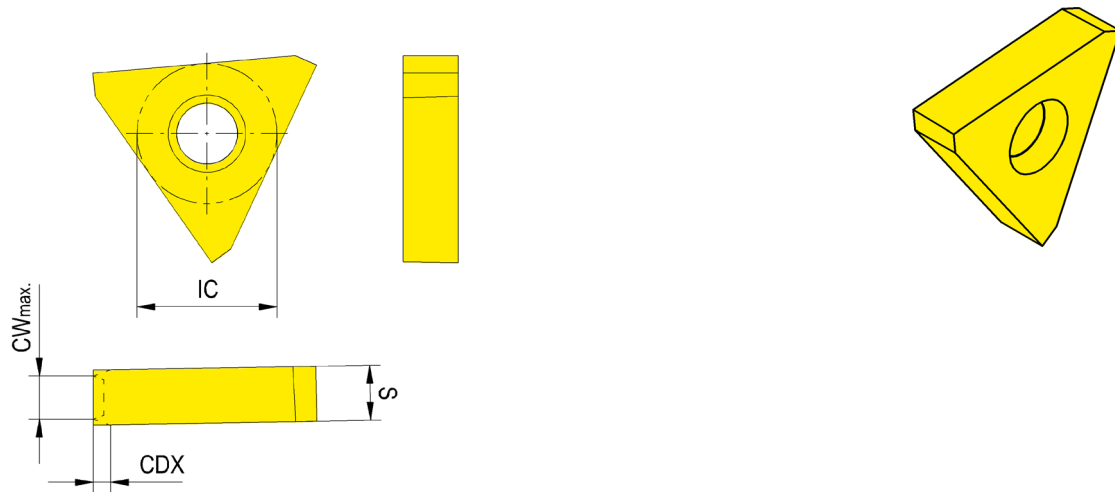
Right hand insert in left hand toolholder 333/357, left hand insert in right hand toolholder 333/357.

Nutbreiten bis 1,6 mm nur zum Nutzenstechdrehen empfohlen

Width of groove up to 1,6 mm recommend only for grooving

P	●
M	●
K	-
N	-
S	-
H	-

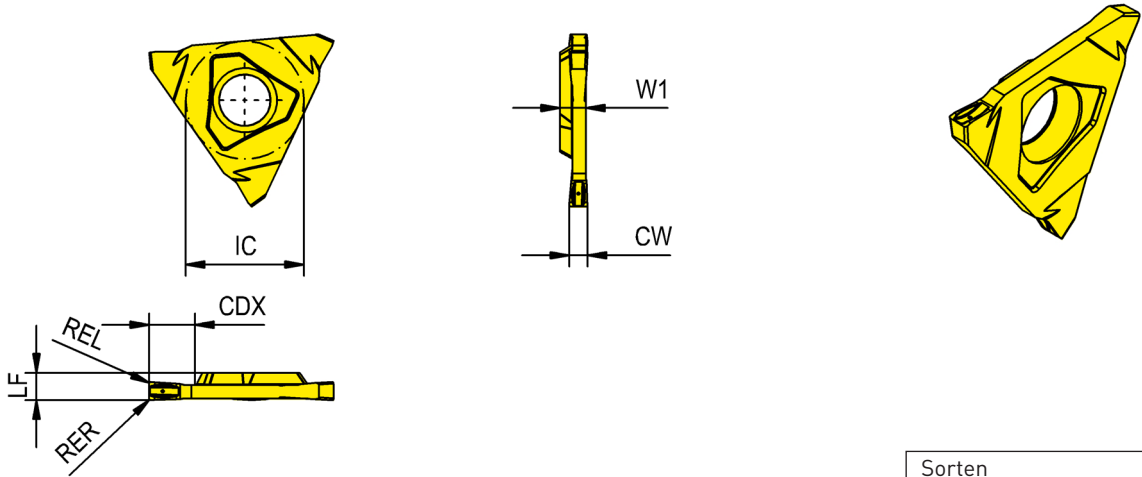
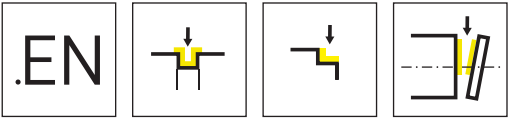
C4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CW	IC	S
R/L315...	5	3,05	13	3,25
R/L315...	5	5,25	13	5,45
R/L315...	5	5,9	13	6,1
R/L315...	5	6,4	13	6,6
R/L315...	5	6,9	13	7,1
R/L315...	5	7,3	13	7,5
R/L315...	5	8,3	13	8,5
R/L315...	5	9,3	13	9,5
R/L315...	5	10,3	13	10,5
R/L315...	5	13,3	13	13,5
R/L315...	5	15,3	13	15,5
R/L315...	5	20,3	13	20,5

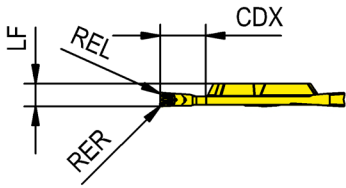
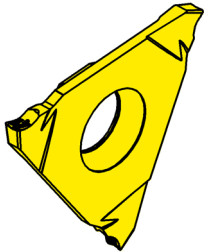
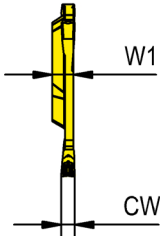
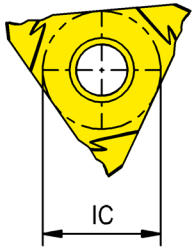
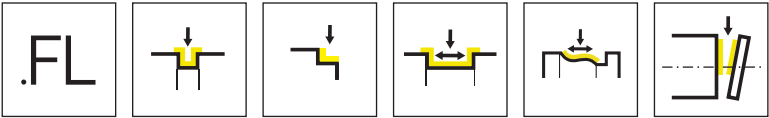


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M	EG5G
RS315.0200.EN2	2	5,5	0,2	0,2	2,85	3	13	S31503051R	▲
LS315.0200.EN2	2	5,5	0,2	0,2	2,85	3	13	S31503051L	▲
									P -
									M -
									K -
									N -
									S -
									H -

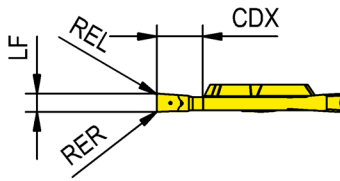
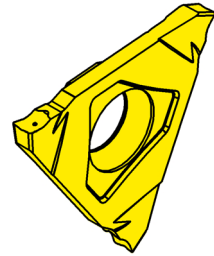
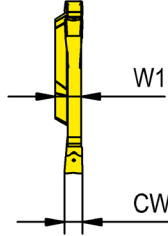
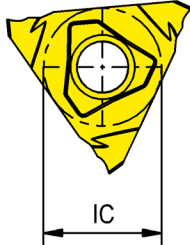
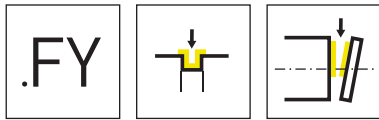


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M	EG55
RS315.0150.FL15	1,5	5,5	0,15	0,15	2,35	2,5	13	S31503051R	▲
LS315.0150.FL15	1,5	5,5	0,15	0,15	2,35	2,5	13	S31503051L	▲
								P	●
								M	o
								K	-
								N	-
								S	-
								H	-



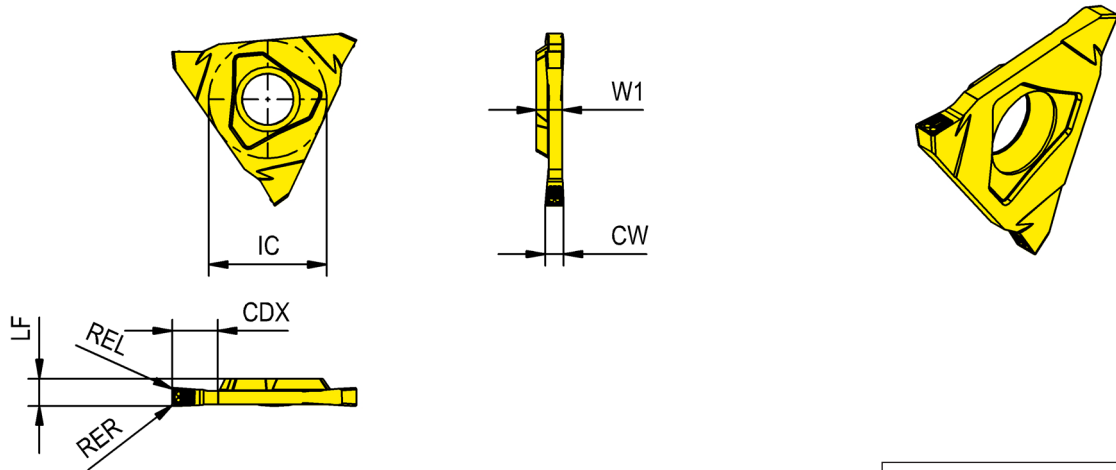
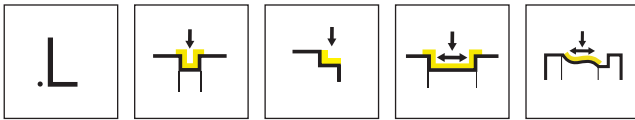
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M	EG55
RS315.0150.FY15	1,5	5,5	0,15	0,15	2,35	2,5	13	S31503051R	▲
RS315.0200.FY2	2	5,5	0,2	0,2	2,85	3	13	S31503051R	▲
LS315.0150.FY15	1,5	5,5	0,15	0,15	2,35	2,5	13	S31503051L	▲
LS315.0200.FY2	2	5,5	0,2	0,2	2,85	3	13	S31503051L	▲
								P o	
								M •	
								K -	
								N -	
								S -	
								H -	

C4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

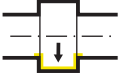
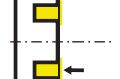
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M	EG55
RS315.0110.L1	1,1	5,5	0,1	0,1	2,4	2,5	13	S31503051R	▲
RS315.0130.L1	1,3	5,5	0,1	0,1	2,4	2,5	13	S31503051R	▲
RS315.0150.L15	1,5	5,5	0,15	0,15	2,35	2,5	13	S31503051R	▲
RS315.0200.L2	2	5,5	0,2	0,2	2,85	3	13	S31503051R	▲
LS315.0110.L1	1,1	5,5	0,1	0,1	2,4	2,5	13	S31503051L	▲
LS315.0130.L1	1,3	5,5	0,1	0,1	2,4	2,5	13	S31503051L	▲
LS315.0150.L15	1,5	5,5	0,15	0,15	2,35	2,5	13	S31503051L	▲
LS315.0200.L2	2	5,5	0,2	0,2	2,85	3	13	S31503051L	▲
								P	●
								M	o
								K	o
								N	-
								S	-
								H	-

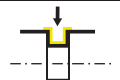
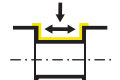
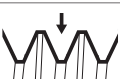


Kapitel Chapter	C						D	
	C1	C2	C3	C4	C5	C6	D1	D2
System System	32T	34T	312	315	316	395	64T	66T

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 46	≥ 43		26		
CW			0,4-5,28	0,3-20		8,5-15,5		
			•	•		•		
				•		•		
				•				
								

Außenbearbeitung / External Grooving

CDX	≤ 3,5	6,5	≤ 8	≤ 6	≤ 8	4	≤ 5,5	≤ 9,5
CW	0,34-2,5	1,03-5	0,4-5,28	0,3-20	1,5-3	8,5-15,5	0,38-3,26	2-3
	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•
	•	•	•	•	•		•	•
				•			•	
		•		•				
			•	•				

C5

316



C5

Klemmhalter und Schneidplatten

Stechbreite 1,5 - 3 mm
Stechtiefe bis 8 mm

Toolholder and Inserts

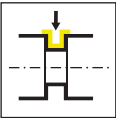
Width of groove 1,5 - 3 mm
Depth of groove up to 8 mm

Inhaltsangabe

Summary

Geometrien und Vorschübe Geometries and feed rates	Seite/Page 507
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Klemmhalter Toolholder H316/HC316	Seite/Page 508
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Wendeschnidplatte Indexable insert S316



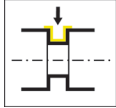
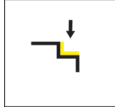
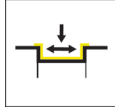
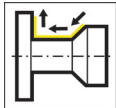
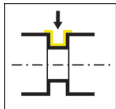
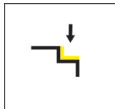
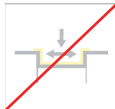
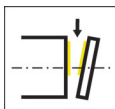
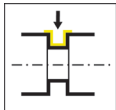
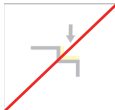
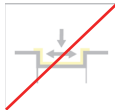
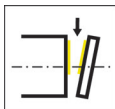
Seite/Page 513

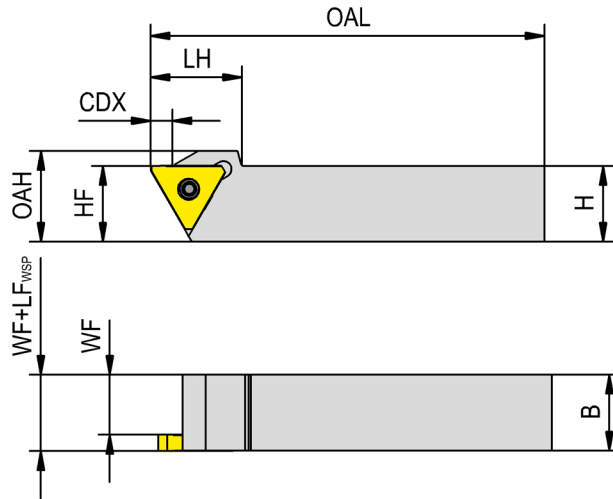
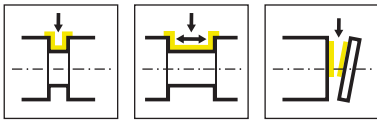


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Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	    
	P M K N S H	↓ 0,10-0,45	    
	P M K N S H	↓ 0,03-0,15	    



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

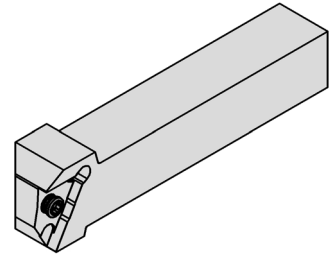
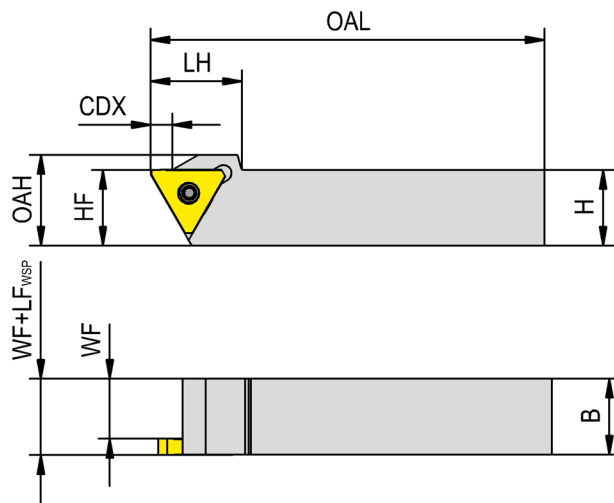
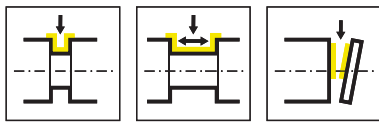
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
RH316.2525.05	8	80	25	25	150	30	30	19,8	25	31605000R
LH316.2525.05	8	80	25	25	150	30	30	19,8	25	31605000L

CW siehe Wendeschneidplatten
CW see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH316.2525.05	5.12T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

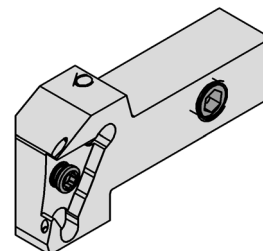
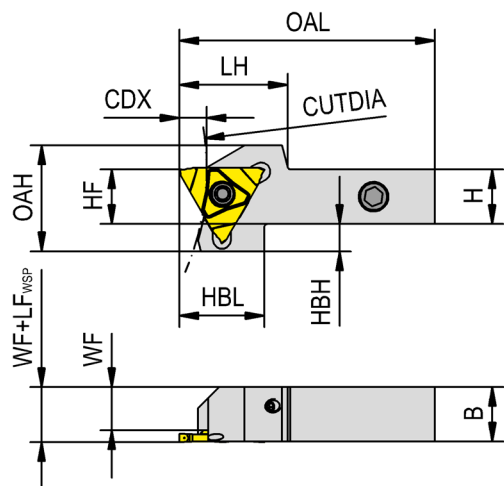
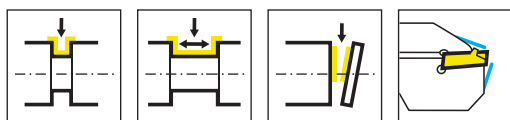
Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HL	HBH	WF	HF	Trennstelle W Interface W
RH316.1616.S3.03	8	80	16	16	125	30	25	7	12,7	16	S31603000R
RH316.2020.S3.03	8	80	20	20	125	30	25	3	16,7	20	S31603000R
RH316.2525.S3.03	8	80	25	25	150	30	-	-	21,7	25	S31603000R
RH316.3225.S3.03	8	80	32	25	170	30	-	-	21,7	32	S31603000R
LH316.1616.S3.03	8	80	16	16	125	30	25	7	12,7	16	S31603000L
LH316.2020.S3.03	8	80	20	20	125	30	25	3	16,7	20	S31603000L
LH316.2525.S3.03	8	80	25	25	150	30	-	-	21,7	25	S31603000L
LH316.3225.S3.03	8	80	32	25	170	30	-	-	21,7	32	S31603000L

LF siehe Wendschneidplatten
LF see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH316...	5.12T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH316.1616.08.SA.03.IK	8	150	16	16	75	32	25	31	8	12,7	16	S31603000R
RH316.2020.08.SA.03.IK	8	150	20	20	90	32	25	35	8	16,7	20	S31603000R
RH316.2525.08.SA.03.IK	8	150	25	25	105	32	25	35	3	21,7	25	S31603000R
RH316.2020.08.SA.05.IK	8	150	20	20	90	32	25	35	8	14,8	20	S31605000R
RH316.2525.08.SA.05.IK	8	150	25	25	105	32	25	35	3	19,8	25	S31605000R
LH316.1616.08.SA.03.IK	8	150	16	16	75	32	25	31	8	12,7	16	S31603000L
LH316.2020.08.SA.03.IK	8	150	20	20	90	32	25	35	8	16,7	20	S31603000L
LH316.2525.08.SA.03.IK	8	150	25	25	105	32	25	35	3	21,7	25	S31603000L
LH316.2020.08.SA.05.IK	8	150	20	20	90	32	25	35	8	14,8	20	S31605000L
LH316.2525.08.SA.05.IK	8	150	25	25	105	32	25	35	3	19,8	25	S31605000L

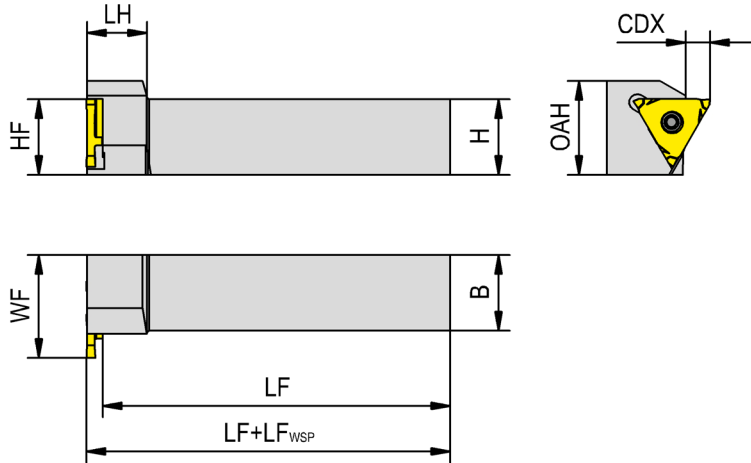
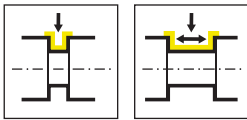
Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".
Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

C5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH316...	5.12T20P	004.00.16	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

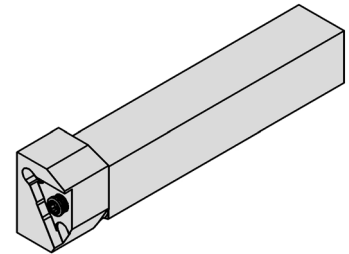
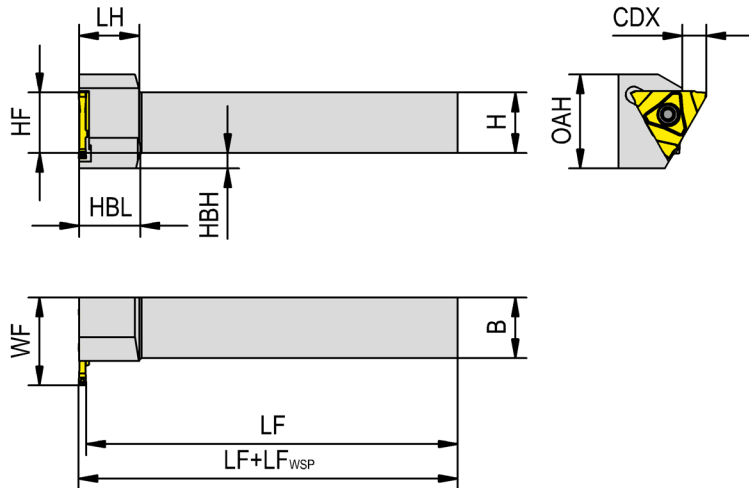
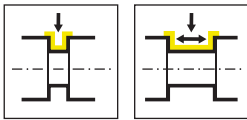
Artikelnummer Part number	CDX	H	B	LF	LH	OAH	WF	HF	Trennstelle W Interface W
RHC316.2525.05	8	25	25	144,8	20	31	34	25	31605000R
LHC316.2525.05	8	25	25	144,8	20	31	34	25	31605000R

LF siehe Wendeschneidplatten
LF see indexable inserts

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LHC316.2525.05	5.12T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	H	B	LF	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RHC316.1616.S3.03	8	16	16	121,7	20	20	31	9	29	16	S31603000L
RHC316.2525.S3.03	8	25	25	146,7	20	-	31	-	34	25	S31603000L
RHC316.3225.S3.03	8	32	25	146,7	20	-	38	-	34	32	S31603000L
LHC316.1616.S3.03	8	16	16	121,7	20	20	31	9	29	16	S31603000R
LHC316.2020.S3.03	8	20	20	121,7	20	20	31	5	29	20	S31603000R
LHC316.3225.S3.03	8	32	25	146,7	20	-	38	-	34	32	S31603000R

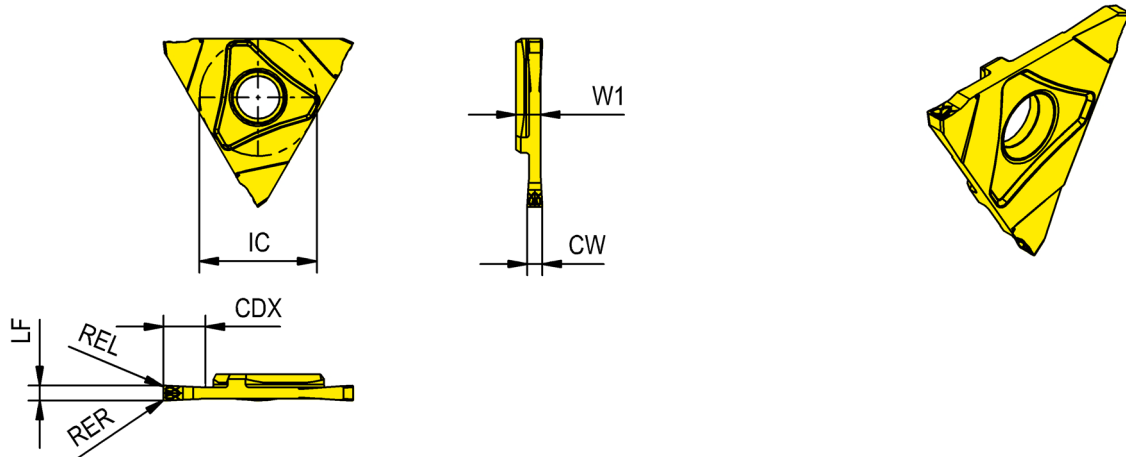
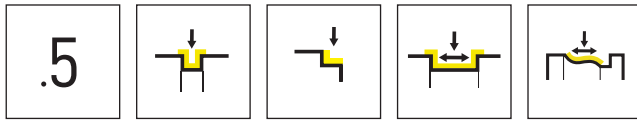
LF siehe Wendeschneidplatten
LF see indexable inserts

C5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LHC316.1616.S3.	5.12T20P	T20PQ
RHC316.2525.S3.03	5.12T20P	T20PQ
R/LHC316.3225.S3.	5.12T20P	T20PQ
LHC316.2020.S3.03	5.12T20P	T20PQ

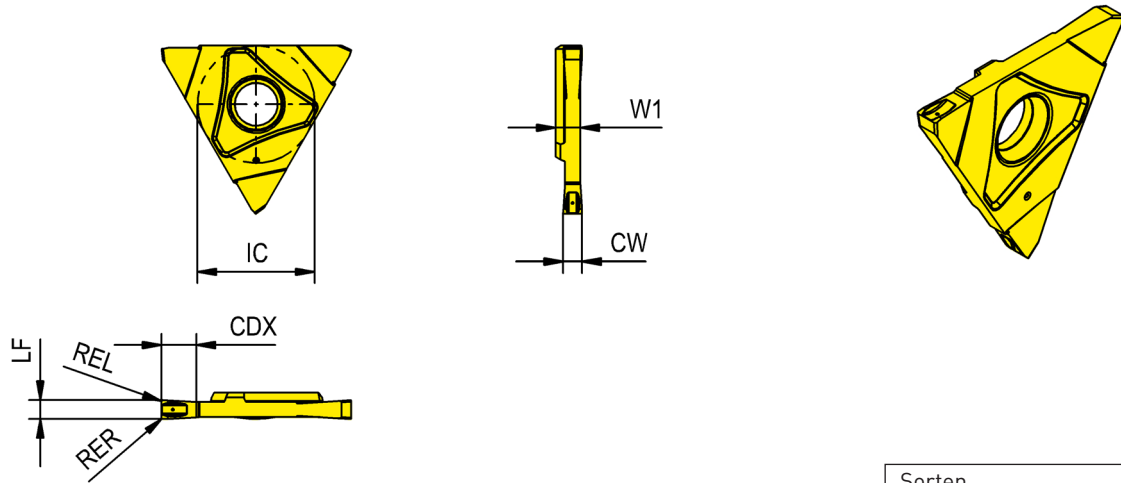
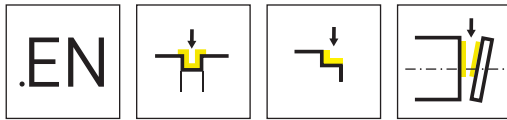


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M	AS45
RS316.0200.52	2	8	0,2	0,2	3,25	3,5	15,5	S31603000R	▲
RS316.0250.52	2,5	8	0,2	0,2	3,25	3,5	15,5	S31603000R	▲
RS316.0300.52	3	8	0,2	0,2	3	3,5	15,5	S31603000R	▲
LS316.0200.52	2	8	0,2	0,2	3,25	3,5	15,5	S31603000L	▲
LS316.0250.52	2,5	8	0,2	0,2	3,25	3,5	15,5	S31603000L	▲
LS316.0300.52	3	8	0,2	0,2	3	3,5	15,5	S31603000L	▲
									P ●
									M -
									K -
									N -
									S -
									H -

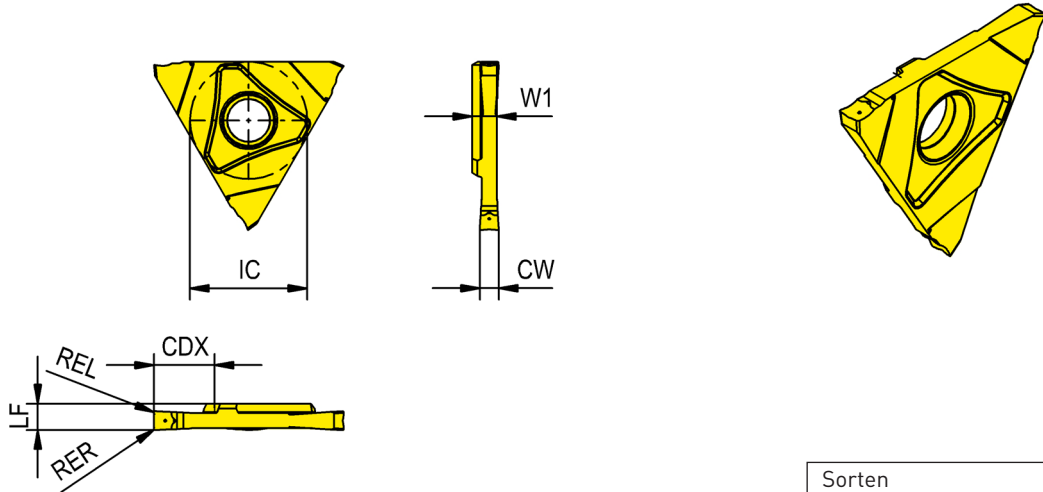
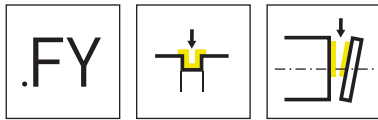


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M	AS6G
RS316.0200.EN2	2	8	0,2	0,2	3,25	3,5	15,5	S31603000R	▲
RS316.0250.EN2	2,5	8	0,2	0,2	3,25	3,5	15,5	S31603000R	▲
RS316.0300.EN2	3	8	0,2	0,2	3	3,5	15,5	S31603000R	Δ
LS316.0200.EN2	2	8	0,2	0,2	3,25	3,5	15,5	S31603000L	▲
LS316.0250.EN2	2,5	8	0,2	0,2	3,25	3,5	15,5	S31603000L	▲
LS316.0300.EN2	3	8	0,2	0,2	3	3,5	15,5	S31603000L	▲
									P ●
									M -
									K -
									N -
									S -
									H -



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

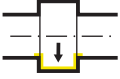
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	IC	Trennstelle M Interface M	T/25
RS316.0150.FY1	1,5	8	0,1	0,1	3,1	3,3	15,5	S31603000R	▲
RS316.0200.FY2	2	8	0,2	0,2	3,25	3,5	15,5	S31603000R	▲
RS316.0250.FY2	2,5	8	0,2	0,2	3,25	3,5	15,5	S31603000R	▲
RS316.0300.FY2	3	8	0,2	0,2	3	3,5	15,5	S31603000R	▲
LS316.0150.FY1	1,5	8	0,1	0,1	3,1	3,3	15,5	S31603000L	▲
LS316.0200.FY2	2	8	0,2	0,2	3,25	3,5	15,5	S31603000L	▲
LS316.0250.FY2	2,5	8	0,2	0,2	3,25	3,5	15,5	S31603000L	Δ
LS316.0300.FY2	3	8	0,2	0,2	3	3,5	15,5	S31603000L	Δ
								P o	
								M •	
								K -	
								N -	
								S -	
								H -	

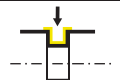
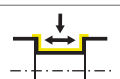
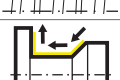
C5

Kapitel Chapter	C						D	
	C1	C2	C3	C4	C5	C6	D1	D2
System System	32T	34T	312	315	316	395	64T	66T

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 46	≥ 43		26		
CW			0,4-5,28	0,5-8		8,5-15,5		
			•	•		•		
				•		•		
				•				
								

Außenbearbeitung / External Grooving

CDX	≤ 3,5	6,5	≤ 8	≤ 6	≤ 8	4	≤ 5,5	≤ 9,5
CW	0,34-2,5	1,03-5	0,4-5,28	0,3-20	1,5-3	8,5-15,5	0,38-3,26	2-3
	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•
	•	•	•	•	•		•	•
				•			•	
		•		•				
			•	•				

C6

395



C6

Klemmhalter und Schneidplatten

Formbreite 8,5 - 15,5 mm

Toolholder and Inserts

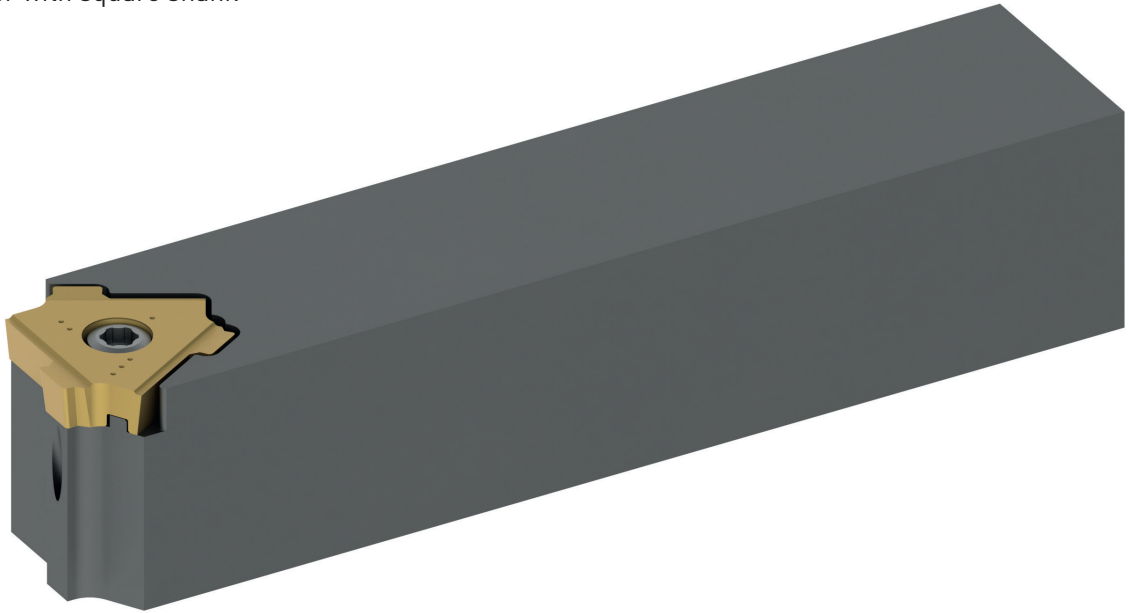
Width of profile 8,5 - 15,5 mm

Beispiele Werkzeughalter

Examples of toolholders

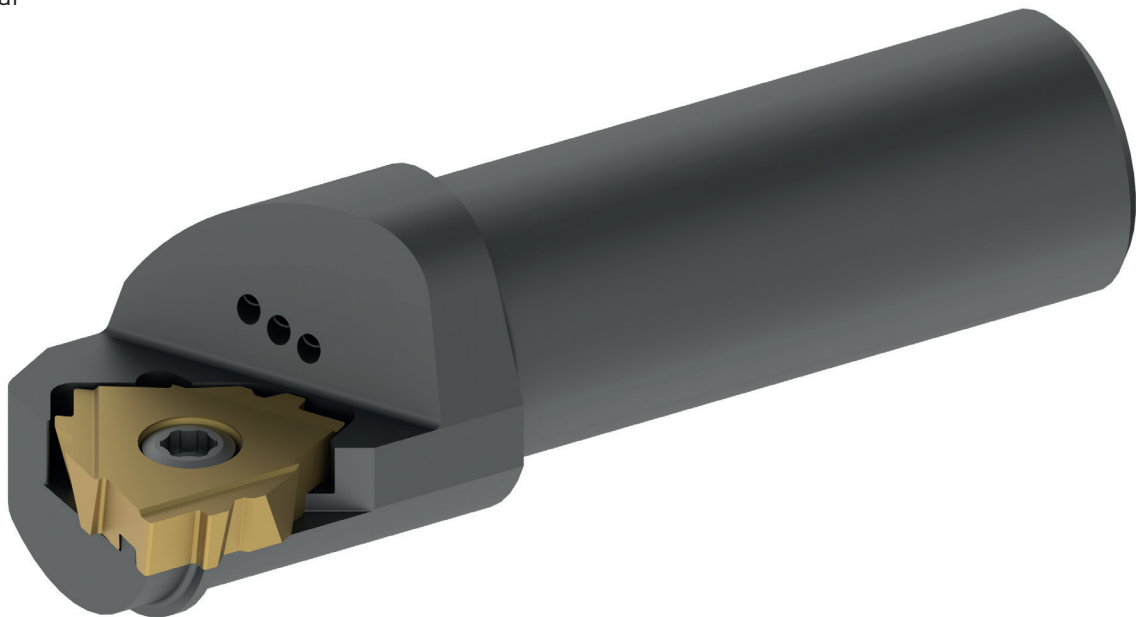
Klemmhalter mit Vierkantschaft

Toolholder with square shank



Bohrstange

Boring bar



C6

Rohlingsvariante

Profilbreite L = 15,5 mm

Profiltiefe CDX = 4,0 mm

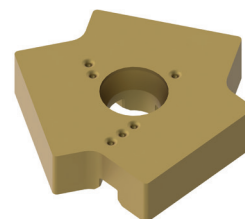
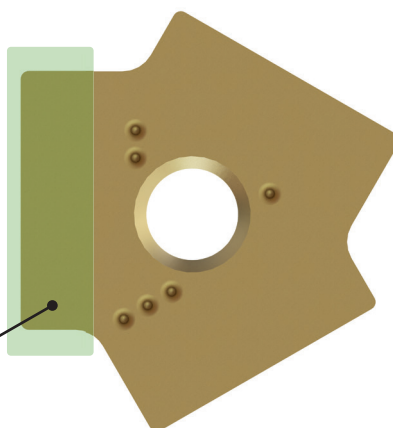
Blank variant

Width of profile L = 15,5 mm

Depth of profile CDX = 4,0 mm

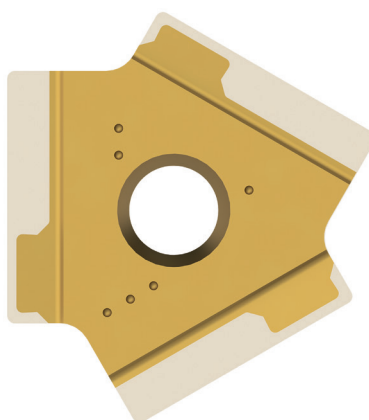
Bereich ist profilabhängig

Section depends on profile



Profilbeispiel:

Profile example:



Rohlingsvariante

Profilbreite L = 8,5 mm

Profiltiefe CDX = 4,7 mm

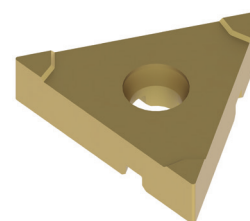
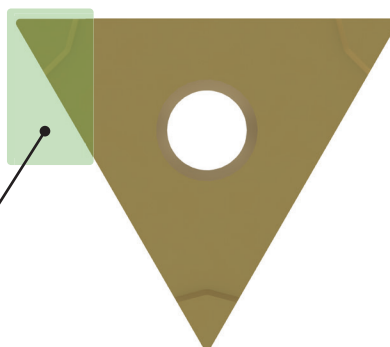
Blank variant

Width of profile L = 8,5 mm

Depth of profile CDX = 4,7 mm

Bereich ist profilabhängig

Section depends on profile



Profilbeispiel:

Profile example:





C6

SECHSSCHNEIDER

SIX-EDGE

System/System

Seite/Page

64T

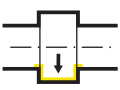
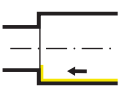
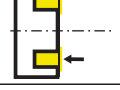
522

66T

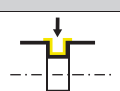
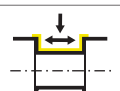
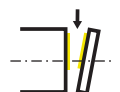
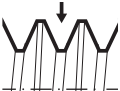
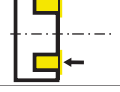
536

Kapitel Chapter	C						D	
	C1	C2	C3	C4	C5	C6	D1	D2
System System	32T	34T	312	315	316	395	64T	66T

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 46	≥ 43		26		
CW			0,5-6,3	0,5-8		8,5-15,5		
			•	•		•		
				•		•		
				•				
								

Außenbearbeitung / External Grooving

CDX	≤ 3,5	6,5	≤ 8	≤ 6	≤ 8	4	≤ 5,5	≤ 9,5
CW	0,34-2,5	1-4	0,5-6,3	0,3-4,2	1,5-3	8,5-15,5	0,38-3,26	2-3
	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•
	•	•	•	•	•		•	•
				•			•	
		•		•				
			•	•				

64T



Klemmhalter und Schneidplatten

Stechbreite 0,5 - 3 mm
Stechtiefe bis 5,5 mm

Toolholder and Inserts

Width of groove 0,5 - 3 mm
Depth of groove up to 5,5 mm

D1

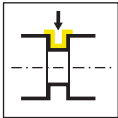
Inhaltsangabe

Summary

Geometrien und
Vorschübe
Geometries and feed rates

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Klemmhalter
Toolholder
H64T



Seite/Page
526-528

Wendeschneidplatte
Indexable insert
S64T



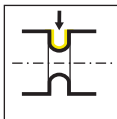
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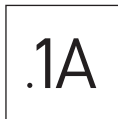
Seite/Page
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Seite/Page
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Seite/Page
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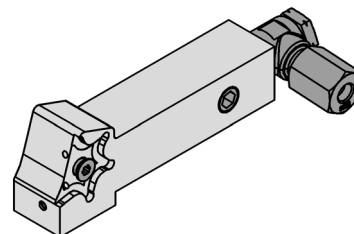
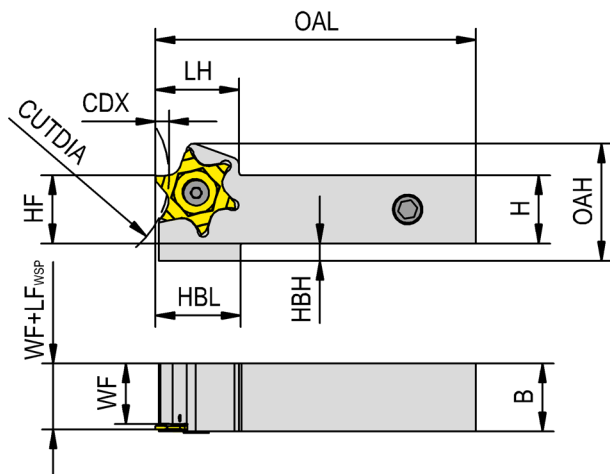
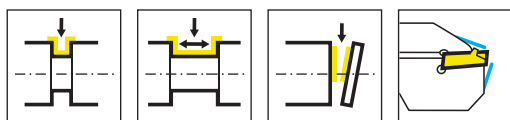


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Seite/Page
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Geometrie Geometry	Werkstoff Material	Vorschubbereich Feed rate	Bearbeitung Machining
	P M K N S H	↓ 0,02-0,12	
	P M K N S H	↓ 0,03-0,12	
	P M K N S H	↓ 0,05-0,15 ↔ 0,05-0,20	
	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH64T.1616.55.OA.10.IK	5,5	40	16	16	79	24,5	25	30,5	5	13,8	16	64T014N
RH64T.1616.55.OA.20.IK	5,5	40	16	16	79	24,5	25	30,5	5	13,3	16	64T024N
RH64T.2020.55.OA.10.IK	5,5	40	20	20	94	24,5	25	34,5	5	17,8	20	64T014N
RH64T.2020.55.OA.20.IK	5,5	40	20	20	94	24,5	25	34,5	5	17,3	20	64T024N
RH64T.2525.55.OA.10.IK	5,5	40	25	25	109	24,5	25	39,5	5	22,8	25	64T014N
RH64T.2525.55.OA.20.IK	5,5	40	25	25	109	24,5	25	39,5	5	22,3	25	64T024N
LH64T.1616.55.OA.10.IK	5,5	40	16	16	79	24,5	25	30,5	5	13,8	16	64T014N
LH64T.1616.55.OA.20.IK	5,5	40	16	16	79	24,5	25	30,5	5	13,3	16	64T024N
LH64T.2020.55.OA.10.IK	5,5	40	20	20	94	24,5	25	34,5	5	17,8	20	64T014N
LH64T.2020.55.OA.20.IK	5,5	40	20	20	94	24,5	25	34,5	5	17,3	20	64T024N
LH64T.2525.55.OA.10.IK	5,5	40	25	25	109	24,5	25	39,5	5	22,8	25	64T014N
LH64T.2525.55.OA.20.IK	5,5	40	25	25	109	24,5	25	39,5	5	22,3	25	64T024N

CW siehe Wendeschneidplatten
CW see indexable inserts

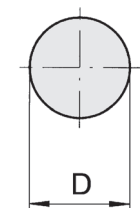
Hinweis:

Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".

Note:

Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

Ein- und Abstechen von Wellen
Grooving and parting off solid bars



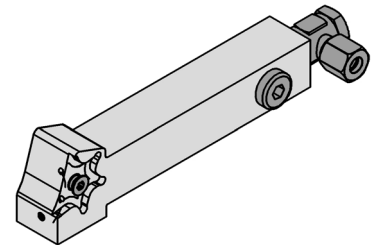
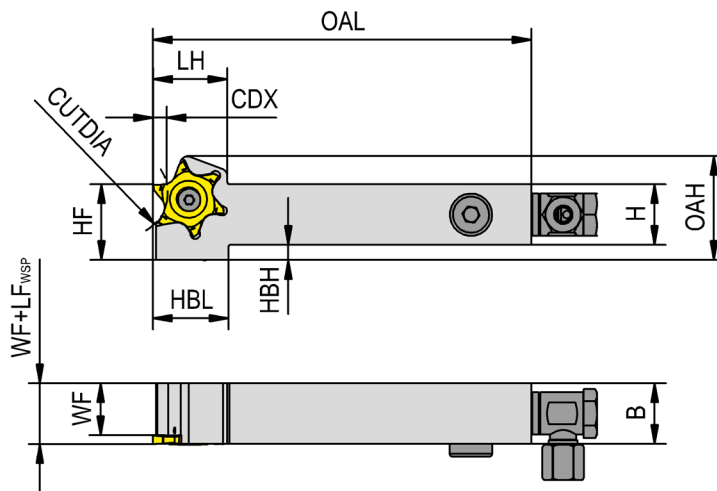
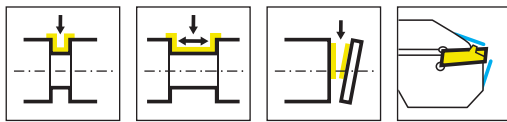
CUTDIA	CDX
40	5,5
45	5
50	4,5
55	4
65	3,5
70	3,5
80	3
100	2,5

D1

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH64T...	004.00.16	030.4010.T15P	T15PQ



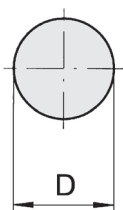
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH64T.1212.6.10.IK	5,5	40	12	12	125	24,5	25	28,5	7	9,8	12	64T014N
RH64T.1212.6.20.IK	5,5	40	12	12	125	24,5	25	28,5	7	9,3	12	64T024N
LH64T.1212.6.10.IK	5,5	40	12	12	125	24,5	25	28,5	7	9,8	12	64T014N
LH64T.1212.6.20.IK	5,5	40	12	12	125	24,5	25	28,5	7	9,3	12	64T024N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ein- und Abstechen von Wellen
Grooving and parting off solid bars

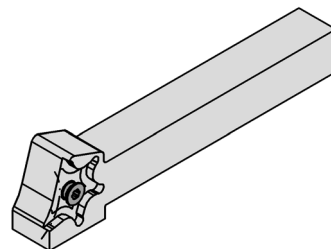
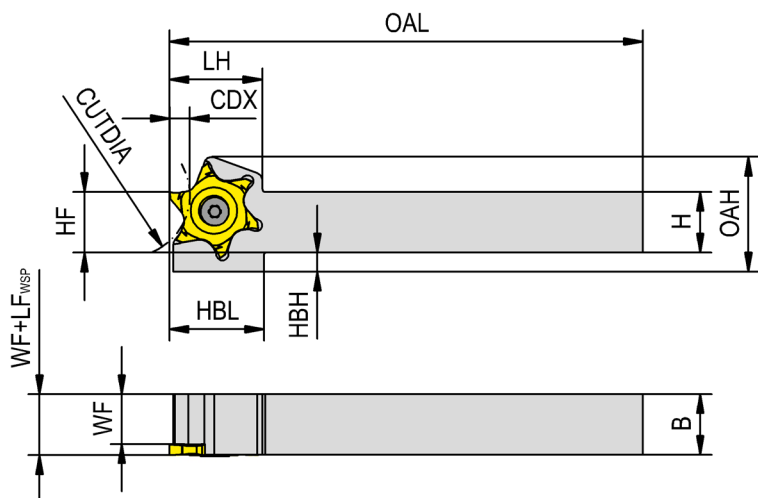
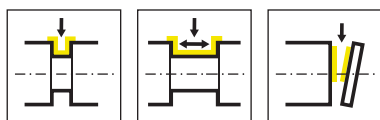


CUTDIA	CDX
40	5,5
45	5
50	4,5
55	4
65	3,5
70	3,5
80	3
100	2,5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH64T...	004.00.22	030.4010.T15P	T15PQ



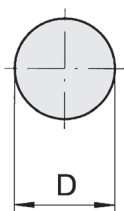
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH64T.1212.10	5,5	40	12	12	125	24,5	25	28,5	7	9,8	12	64T014N
RH64T.1616.10	5,5	40	16	16	125	24,5	25	30,5	5	13,8	16	64T014N
RH64T.2020.10	5,5	40	20	20	125	24,5	25	34,5	5	17,8	20	64T014N
RH64T.2525.10	5,5	40	25	25	125	24,5	-	34,5	-	22,8	25	64T014N
RH64T.1212.20	5,5	40	12	12	125	24,5	25	28,5	7	9,3	12	64T024N
RH64T.1616.20	5,5	40	16	16	125	24,5	25	30,5	5	13,3	16	64T024N
RH64T.2020.20	5,5	40	20	20	125	24,5	25	34,5	5	17,3	20	64T024N
RH64T.2525.20	5,5	40	25	25	125	24,5	-	34,5	-	22,3	25	64T024N
LH64T.1212.10	5,5	40	12	12	125	24,5	25	28,5	7	9,8	12	64T014N
LH64T.1616.10	5,5	40	16	16	125	24,5	25	30,5	5	13,8	16	64T014N
LH64T.2020.10	5,5	40	20	20	125	24,5	25	34,5	5	17,8	20	64T014N
LH64T.2525.10	5,5	40	25	25	125	24,5	-	34,5	-	22,8	25	64T014N
LH64T.1212.20	5,5	40	12	12	125	24,5	25	28,5	7	9,3	12	64T024N
LH64T.1616.20	5,5	40	16	16	125	24,5	25	30,5	5	13,3	16	64T024N
LH64T.2020.20	5,5	40	20	20	125	24,5	25	34,5	5	17,3	20	64T024N
LH64T.2525.20	5,5	40	25	25	125	24,5	-	34,5	-	22,3	25	64T024N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ein- und Abstecken von Wellen
Grooving and parting off solid bars

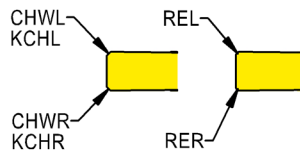
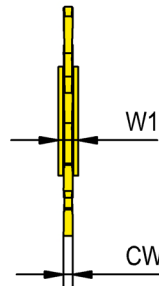
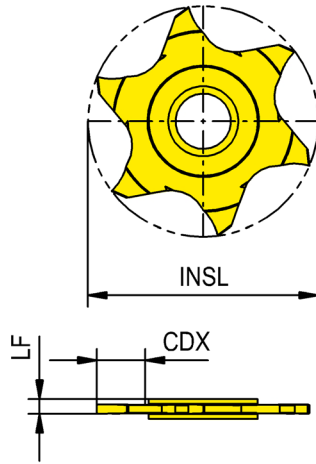
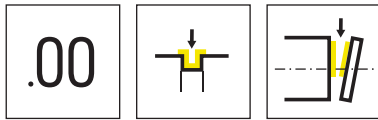


CUTDIA	CDX
40	5,5
45	5
50	4,5
55	4
65	3,5
70	3,5
80	3
100	2,5

D1

Ersatzteile
Spare Parts

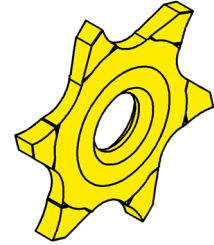
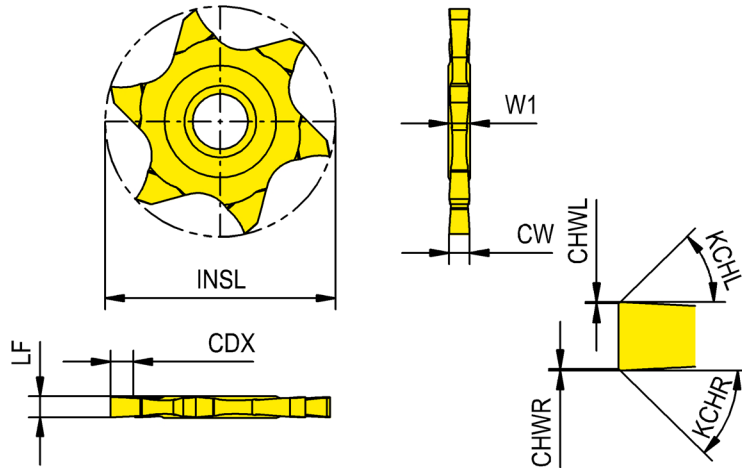
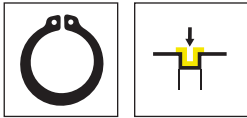
Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH64T...	030.4010.T15P	T15PQ



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

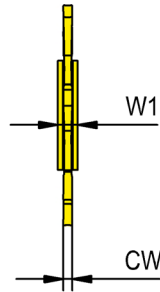
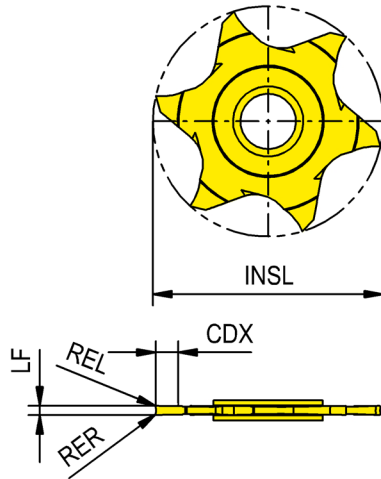
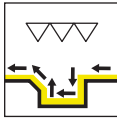
Artikelnummer Part number	CW	CDX	REL	RER	KCHL	KCHR	CHWL	CHWR	W1	LF	INS	Trennstel- le M Interface M	EG55	IG35
S64T.0010.00	1,03	5,5	-	-	-	-	-	-	2,2	1,62	25,37	64T014N	▲	▲
S64T.0015.00	1,53	5,5	-	-	45°	45°	0,05	0,05	2,2	1,87	25,37	64T014N	▲	▲
S64T.0010.01	1,03	5,5	0,1	0,1	-	-	-	-	2,2	1,62	25,37	64T014N	▲	▲
S64T.0015.01	1,53	5,5	0,1	0,1	-	-	-	-	2,2	1,87	25,37	64T014N	▲	▲
													P	●
													M	●
													K	-
													N	-
													S	-
													H	-



Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	RTRG	CDX	KCHL	KCHR	CHWL	CHWR	W1	LF	INS	Trennstel- le M Interface M	EG35	EG55
S64T.0034.00	0,38	0,34	0,6	-	-	-	-	2,2	1,29	25,37	64T014N	▲	
S64T.0044.00	0,48	0,44	0,7	-	-	-	-	2,2	1,34	25,37	64T014N	▲	
S64T.0050.00	0,54	0,5	0,7	-	-	-	-	2,2	1,37	25,37	64T014N		▲
S64T.0060.00	0,64	0,6	0,8	-	-	-	-	2,2	1,42	25,37	64T014N		▲
S64T.0070.00	0,74	0,7	1,1	-	-	-	-	2,2	1,47	25,37	64T014N		▲
S64T.0080.00	0,84	0,8	1,2	-	-	-	-	2,2	1,52	25,37	64T014N		▲
S64T.0090.00	0,94	0,9	1,4	-	-	-	-	2,2	1,57	25,37	64T014N		▲
S64T.0100.00	1,04	1	1,6	-	-	-	-	2,2	1,62	25,37	64T014N		▲
S64T.0110.00	1,21	1,1	1,6	-	-	-	-	2,2	1,71	25,37	64T014N		▲
S64T.0130.00	1,41	1,3	2	-	-	-	-	2,2	1,81	25,37	64T014N		▲
S64T.0160.00	1,71	1,6	3,5	45°	45°	0,05	0,05	2,2	1,96	25,37	64T014N		▲
S64T.0185.00	1,96	1,85	3,5	45°	45°	0,05	0,05	2,2	2,08	25,37	64T014N		▲
S64T.0215.00	2,26	2,15	3,5	45°	45°	0,05	0,05	2,4	2,33	25,37	64T014N		▲
S64T.0265.00	2,76	2,65	3,5	45°	45°	0,05	0,05	2,9	2,83	25,37	64T024N		▲
S64T.0315.00	3,26	3,15	3,5	45°	45°	0,05	0,05	3,4	3,33	25,37	64T024N		▲
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472												P	●
												M	●
												K	-
												N	-
												S	-
												H	-



Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	INSL	Trennstelle M Interface M	EG35	IG35
S64T.FB10.01	1	5,5	0,1	0,1	2,2	1,6	25,37	64T014N	▲	▲
S64T.FB15.01	1,5	5,5	0,1	0,1	2,2	1,85	25,37	64T014N	▲	▲

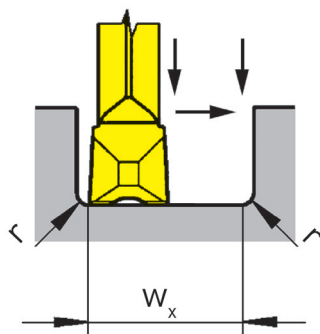
Berechnung der kleinstmöglichen Nutbreite w_x
Calculation of the smallest possible width of groove w_x

Beispiel S64T.FB10.01
Example

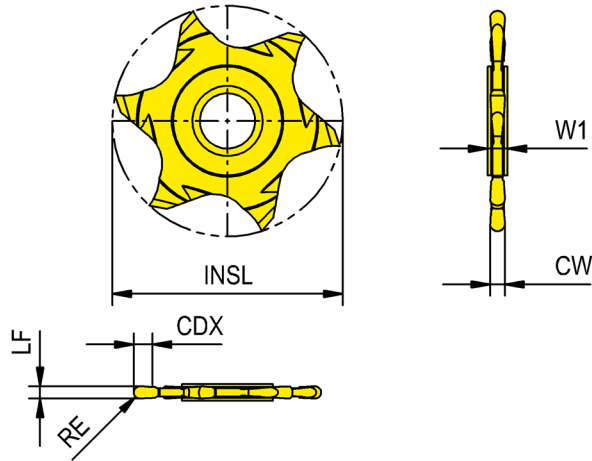
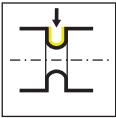
$w_x = 2 \cdot \text{Schneidbreite CW} - \text{Eckenradien Schneidplatte REL und RER}$
 $2 \cdot \text{width of groove CW} - \text{corner radius insert REL and RER}$

$w_x = 2 \cdot 1 - 0,1 - 0,1$

$w_x = 1,8 \text{ mm}$



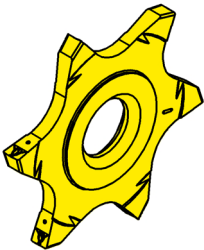
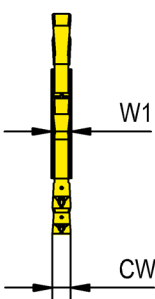
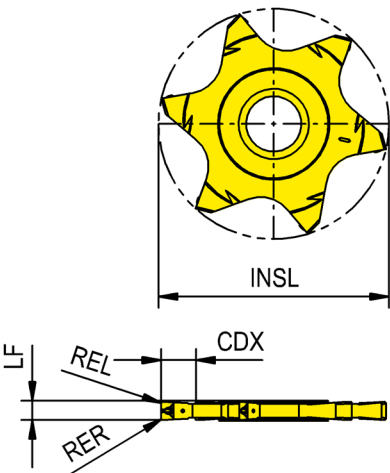
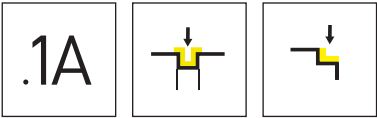
P	●	●
M	●	●
K	-	-
N	-	-
S	-	o
H	-	-



Sorten
Grades

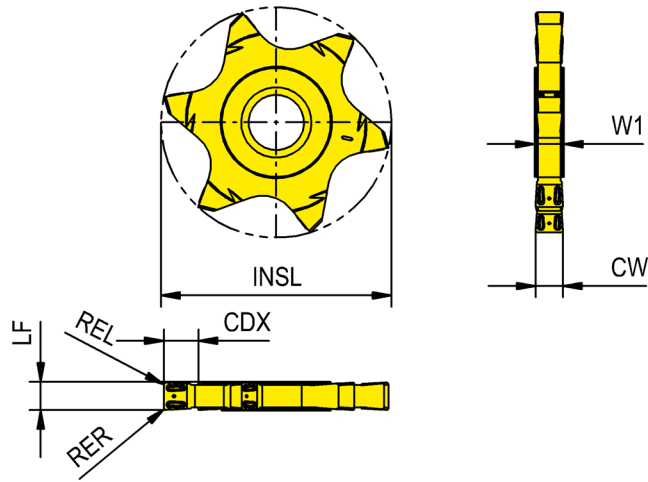
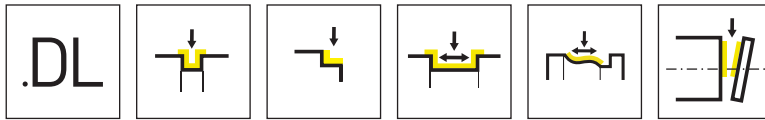
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	RE	W1	LF	INSL	Trennstelle M Interface M	EG55	IG35	IG65
S64T.0100.05	1,02	5,5	0,51	2,2	1,61	25,37	64T014N	▲	▲	
S64T.0120.06	1,22	5,5	0,61	2,2	1,71	25,37	64T014N	▲		▲
S64T.0160.08	1,62	5,5	0,81	2,2	1,91	25,37	64T014N	▲		▲
S64T.0200.10	2,02	5,5	1,01	2,2	2,11	25,37	64T014N	▲		▲
S64T.0250.12	2,52	5,5	1,26	2,7	2,61	25,37	64T024N	▲		▲
S64T.0300.15	3,02	5,5	1,51	3,2	3,11	25,37	64T024N	▲		▲
P	●	●	●					●	●	●
M	●	●	●					●	●	●
K	-	-	-					-	-	-
N	-	-	-					-	-	-
S	-	o	o					-	o	o
H	-	-	-					-	-	-



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	INSL	Trennstelle M Interface M		EG55	IG35	
S64T.0150.1A2	1,51	5,5	0,2	0,2	2,2	1,86	25,37	64T014N		▲	▲	
S64T.0200.1A2	2,01	5,5	0,2	0,2	2,2	2,11	25,37	64T014N		▲	▲	
S64T.0250.1A2	2,51	5,5	0,2	0,2	2,7	2,61	25,37	64T024N		▲	▲	
S64T.0300.1A2	3,01	5,5	0,2	0,2	3,2	3,11	25,37	64T024N		▲	▲	
										P	●	●
										M	●	●
										K	○	○
										N	-	-
										S	-	-
										H	-	-



Sorten
Grades

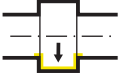
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	INS	Trennstelle M Interface M	EG55	IG65
S64T.0150.DL2	1,51	5,5	0,2	0,2	2,2	1,86	25,37	64T014N	▲	▲
S64T.0150.DL4	1,51	5,5	0,4	0,4	2,2	1,86	25,37	64T014N	▲	▲
S64T.0200.DL2	2,01	5,5	0,2	0,2	2,2	2,11	25,37	64T014N	▲	▲
S64T.0200.DL4	2,01	5,5	0,4	0,4	2,2	2,11	25,37	64T014N	▲	▲
S64T.0250.DL2	2,51	5,5	0,2	0,2	2,7	2,61	25,37	64T024N	▲	▲
S64T.0250.DL4	2,51	5,5	0,4	0,4	2,7	2,61	25,37	64T024N	▲	▲
S64T.0300.DL2	3,01	5,5	0,2	0,2	3,2	3,11	25,37	64T024N	▲	▲
S64T.0300.DL4	3,01	5,5	0,4	0,4	3,2	3,11	25,37	64T024N	▲	▲
									P	•
									M	o
									K	-
									N	-
									S	-
									H	-

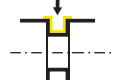
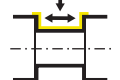
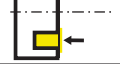


Kapitel Chapter	C						D	
	C1	C2	C3	C4	C5	C6	D1	D2
System System	32T	34T	312	315	316	395	64T	66T

Innenbearbeitung / Internal Grooving

Ø DMIN			≥ 46	≥ 43		26		
CW			0,5-6,3	0,5-8		8,5-15,5		
			•	•		•		
				•		•		
				•				
								

Außenbearbeitung / External Grooving

CDX	≤ 3,5	6,5	≤ 8	≤ 6	≤ 8	4	≤ 5,5	≤ 9,5
CW	0,34-2,5	1-4	0,5-6,3	0,3-4,2	1,5-3	8,5-15,5	0,38-3,26	2-3
	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•
	•	•	•	•	•		•	•
				•			•	
		•		•				
			•	•				

66T



Klemmhalter und Schneidplatten

Stechbreite 2 - 3 mm
Stechtiefe bis 9,5 mm

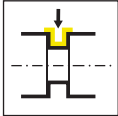
Toolholder and Inserts

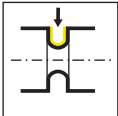
Width of groove 2 - 3 mm
Depth of groove up to 9,5 mm

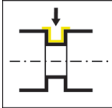
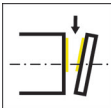
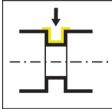
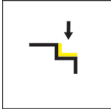
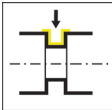
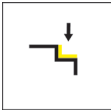
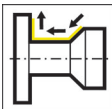
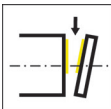
Inhaltsangabe

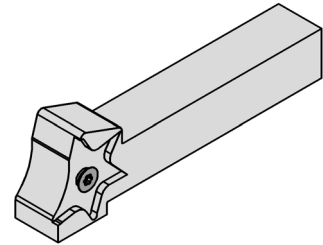
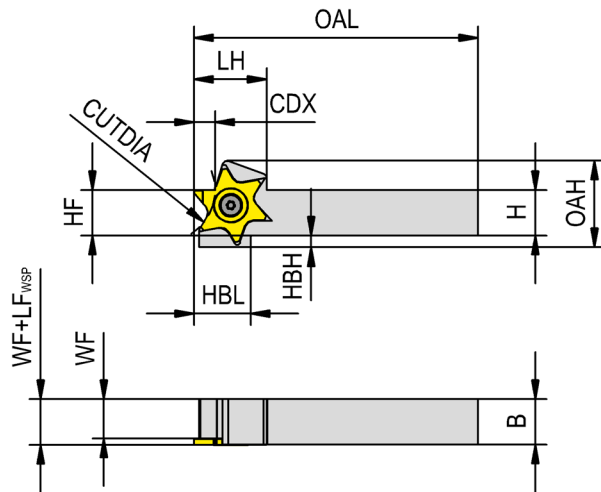
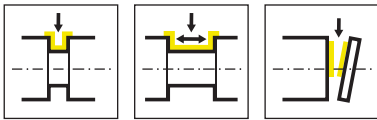
Summary

Geometrien und Vorschübe Geometries and feed rates	Seite/Page 539
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Klemmhalter Toolholder H66T		Seite/Page 540-541
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Wendeschneidplatte Indexable insert S66T				
	Seite/Page 542	Seite/Page 543	Seite/Page 544	Seite/Page 545

Geometrie Geometry	Werkstoff Material	Vorschubbereich Feed rate	Bearbeitung Machining
	P M K N S H	↓ 0,02-0,12	   
	P M K N S H	↓ 0,03-0,12	   
	P M K N S H	↓ 0,05-0,15 ↔ 0,05-0,20	   



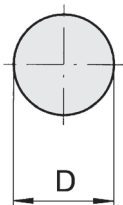
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH66T.2020.08.10	9,5	40	20	20	125	32	25	38	5	17,8	20	66T014N
RH66T.2020.08.20	9,5	40	20	20	125	32	25	38	5	17,3	20	66T024N
RH66T.2525.08.10	9,5	40	25	25	125	32	25	43	5	22,8	25	66T014N
RH66T.2525.08.20	9,5	40	25	25	125	32	25	43	5	22,3	25	66T024N
LH66T.2020.08.10	9,5	40	20	20	125	32	25	38	5	17,8	20	66T014N
LH66T.2020.08.20	9,5	40	20	20	125	32	25	38	5	17,3	20	66T024N
LH66T.2525.08.10	9,5	40	25	25	125	32	25	43	5	22,8	25	66T014N
LH66T.2525.08.20	9,5	40	25	25	125	32	25	43	5	22,3	25	66T024N

CW siehe Wendeschneidplatten
CW see indexable inserts

Ein- und Abstecken von Wellen
Grooving and parting off solid bars

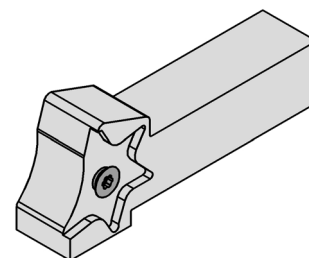
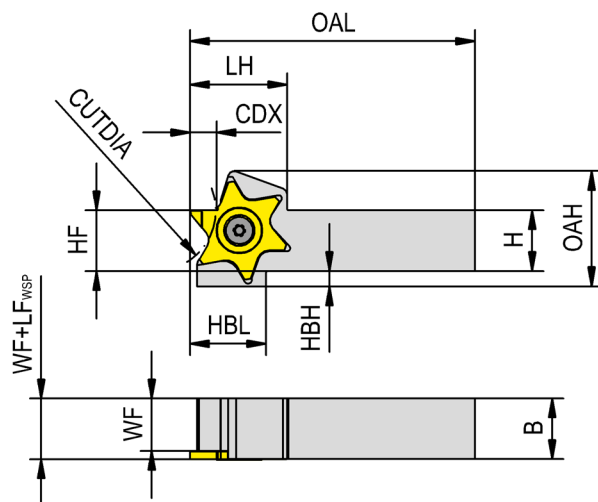
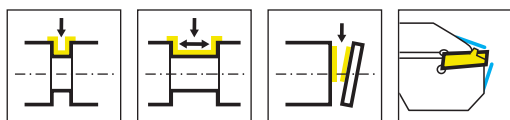


CUTDIA	CDX
40	9,5
45	9,0
50	8,0
55	7,5
65	6,5
70	6,0
80	5,5
100	4,5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH66T...	030.6014.T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
RH66T.2020.08.0A.10.IK	9,5	40	20	20	94	32	25	38	5	17,8	20	66T014N
RH66T.2020.08.0A.20.IK	9,5	40	20	20	94	32	25	38	5	17,3	20	66T024N
RH66T.2525.08.0A.10.IK	9,5	40	25	25	109	32	25	43	5	22,8	25	66T014N
RH66T.2525.08.0A.20.IK	9,5	40	25	25	109	32	25	43	5	22,3	25	66T024N
LH66T.2020.08.0A.10.IK	9,5	40	20	20	94	32	25	38	5	17,8	20	66T014N
LH66T.2020.08.0A.20.IK	9,5	40	20	20	94	32	25	38	5	17,3	20	66T024N
LH66T.2525.08.0A.10.IK	9,5	40	25	25	109	32	25	43	5	22,8	25	66T014N
LH66T.2525.08.0A.20.IK	9,5	40	25	25	109	32	25	43	5	22,3	25	66T024N

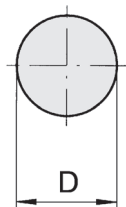
Hinweis:

Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".

Note:

Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

Ein- und Abstecken von Wellen
Grooving and parting off solid bars

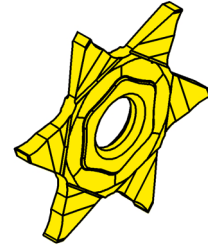
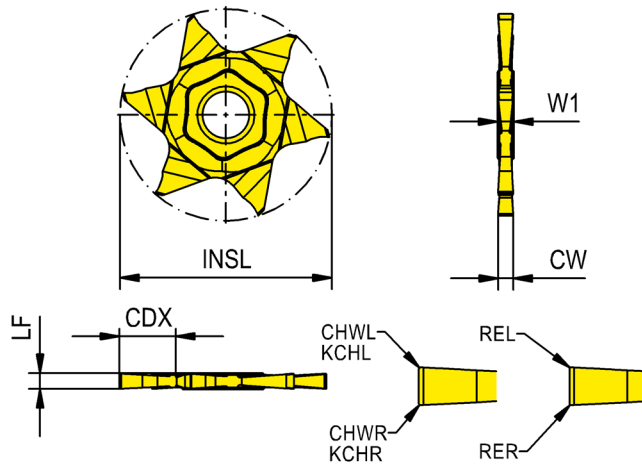
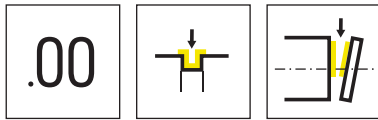


CUTDIA	CDX
40	9,5
45	9,0
50	8,0
55	7,5
65	6,5
70	6,0
80	5,5
100	4,5

Ersatzteile

Spare Parts

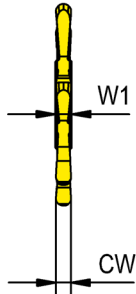
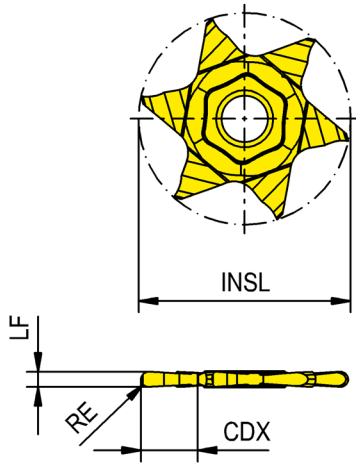
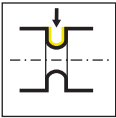
Klemmhalter Toolholder	Kühlmittelanschluss Coolant supply	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH66T...	004.00.16	030.6014.T20P	T20PQ



Sorten
Grades

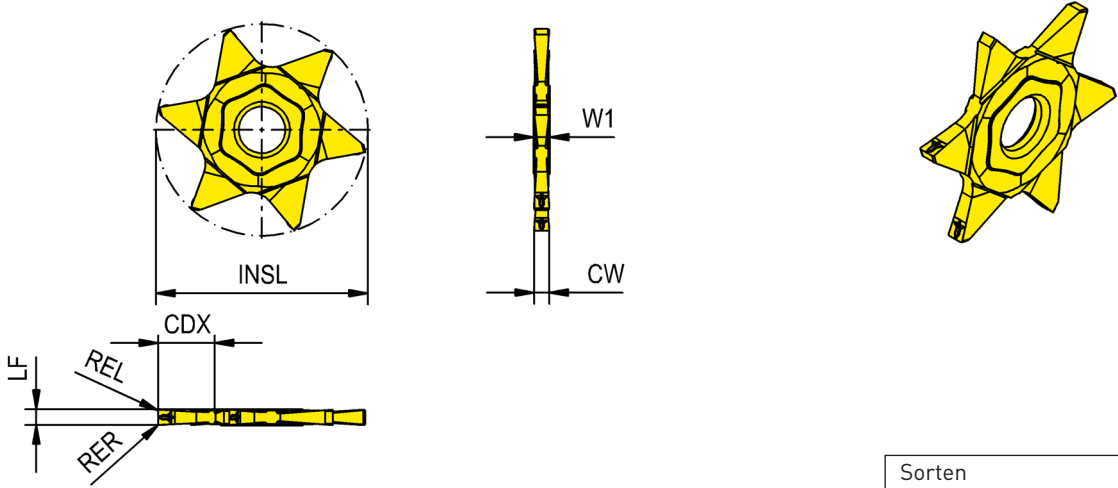
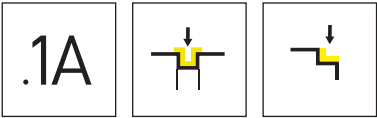
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	KCHL	KCHR	CHWL	CHWR	W1	LF	INSL	Trennstel- le M Interface M		EG55	IG65
S66T.0200.00	2	9,5	-	-	45°	45°	0,05	0,05	2,2	2,1	35	66T014N		▲	▲
S66T.0200.01	2	9,5	0,1	0,1	-	-	-	-	2,2	2,1	35	66T014N		▲	▲
S66T.0250.00	2,5	9,5	-	-	45°	45°	0,05	0,05	2,7	2,6	35	66T024N		▲	▲
S66T.0250.01	2,5	9,5	0,1	0,1	-	-	-	-	2,7	2,6	35	66T024N		▲	▲
S66T.0300.00	3	9,5	-	-	45°	45°	0,05	0,05	3,2	3,1	35	66T024N		▲	▲
S66T.0300.01	3	9,5	0,1	0,1	-	-	-	-	3,2	3,1	35	66T024N		▲	▲
													P	●	●
													M	●	●
													K	-	-
													N	-	-
													S	-	O
													H	-	-



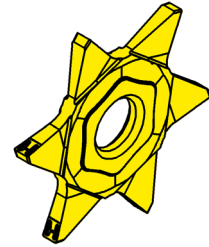
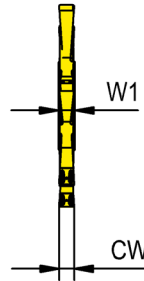
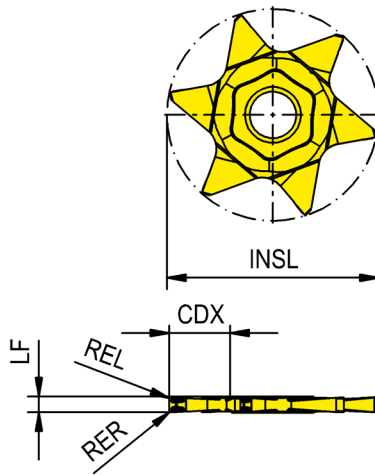
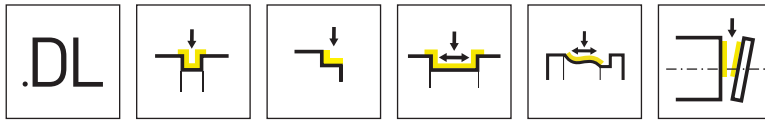
Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	RE	W1	LF	INSL	Trennstelle M Interface M		EG55	IG65
S66T.0200.10	2	9,5	1	2,2	2,1	35	66T014N		▲	▲
S66T.0250.12	2,5	9,5	1,25	2,7	2,6	35	66T024N		▲	▲
S66T.0300.15	3	9,5	1,5	3,2	3,1	35	66T024N		▲	▲
								P	●	●
								M	●	●
								K	-	-
								N	-	-
								S	-	o
								H	-	-



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	INSL	Trennstelle M Interface M		EG55	IG65
S66T.0200.1A2	2	9,5	0,2	0,2	2,2	2,1	35	66T014N		▲	▲
S66T.0250.1A2	2,5	9,5	0,2	0,2	2,7	2,6	35	66T024N		▲	▲
S66T.0300.1A2	3	9,5	0,2	0,2	3,2	3,1	35	66T024N		▲	▲
										P	●
										M	●
										K	○
										N	-
										S	-
										H	-



Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	W1	LF	INS	Trennstelle M Interface M	EG55	IG65
S66T.0200.DL2	2	9,5	0,2	0,2	2,2	2,1	35	66T014N	▲	▲
S66T.0200.DL4	2	9,5	0,4	0,4	2,2	2,1	35	66T014N	▲	▲
S66T.0250.DL2	2,5	9,5	0,2	0,2	2,7	2,6	35	66T024N	▲	▲
S66T.0250.DL4	2,5	9,5	0,4	0,4	2,7	2,6	35	66T024N	▲	▲
S66T.0300.DL2	3	9,5	0,2	0,2	3,2	3,1	35	66T024N	▲	▲
S66T.0300.DL4	3	9,5	0,4	0,4	3,2	3,1	35	66T024N	▲	▲
									P	●
									M	o
									K	-
									N	-
									S	-
									H	-



GEWINDEDREHEN

THREADING

System/System	Seite/Page
224	551
229	553
231	556
264	557
274	558
32T	564
315	564
64T	571

HCG - HORN Catalogue Guide

E1

Kapitel Chapter	E							
	E1							
System System	224	229	231	264	274	32T	315	64T

	•	•	•	•	•	•	•	•
		•		•	•		•	
	•	•	•		•	•	•	•
							•	
M 60° TP	0,5-2	1-2,5		0,5-1,5	0,25-1,5	0,5-1,5	1-6	0,5-2
BSW 55° TPI	11-28	11-28					11-28	11-28
Tr 30° TPI			7-12				1,5-6	

Keine Unterlegplatte erforderlich. Sämtliche HORN-Gewindeprofile sind mit einem **KEGELMANTEL-FREISCHLIFF** versehen.

No shims necessary. All HORN thread profiles are manufactured with full ground radial clearance.



Gewinden
horn-group.com/de/service/technologieinformationen/gewinden



Threads
horn-group.com/service/technical-instructions/threads



**Gewindedrehen
(außen und innen)**

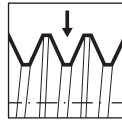
**Threading
(external and internal)**

Inhaltsangabe

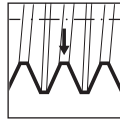
Summary

E1

Wendeschneidplatte
Indexable insert
S224/NS224/229/N229
231/264/S274/S274...E/
S32T/315/S64T



Seite/Page
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569-572



Seite/Page
566, 568

Übersicht
Overview

Seite/Page
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Technische Hinweise
Technical Instructions

Seite/Page
574-575

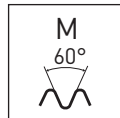
Die passenden Klemmhalter finden Sie in den entsprechenden System-Kapiteln
For toolholder please see corresponding system chapters

Anwendungen

Application



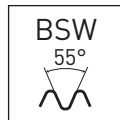
Gewinde Teilprofil
Partial profile thread



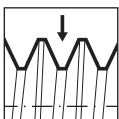
Metrisches ISO-Gewinde
Metric ISO thread



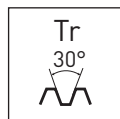
Gewinde Vollprofil
Full profile thread



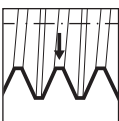
Whitworth-Rohrgewinde
Whitworth pipe thread



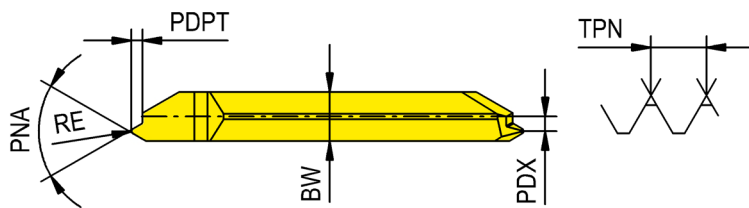
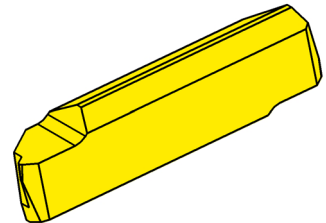
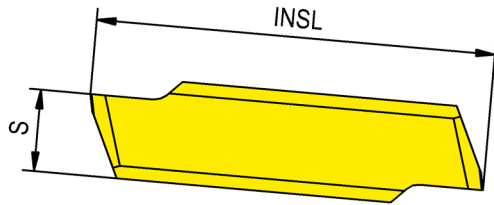
Gewinde außen
External thread



Trapezgewinde
Trapezoidal thread



Gewinde innen
Internal thread



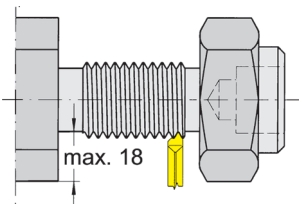
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

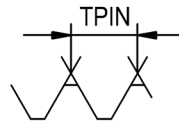
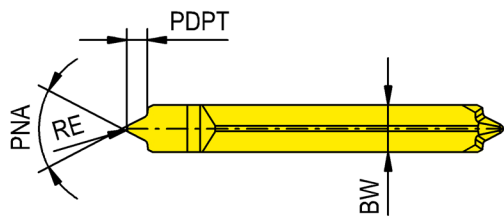
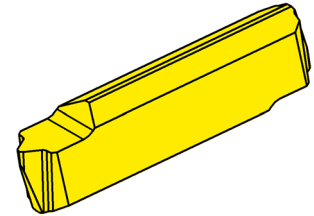
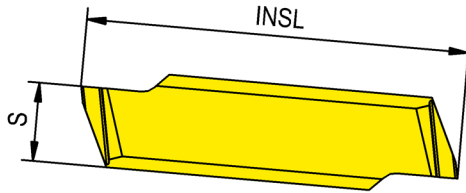
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RS224.0305.02	0,5	1	0,07	0,32	2,7	60°	22	4,5	224030058N	▲	▲
RS224.0407.02	0,75	0,9	0,1	0,47	2,7	60°	22	4,5	224030058N	▲	▲
RS224.0610.02	1	0,8	0,14	0,62	2,7	60°	22	4,5	224030058N	▲	▲
RS224.0712.02	1,25	0,7	0,17	0,78	2,7	60°	22	4,5	224030058N	▲	▲
RS224.0915.02	1,5	0,5	0,21	0,93	2,7	60°	22	4,5	224030058N	▲	▲
RS224.1017.02	1,75	0,4	0,25	1,08	2,7	60°	22	4,5	224030058N	▲	▲
RS224.1220.02	2	0,3	0,28	1,24	2,7	60°	22	4,5	224030058N	▲	▲
LS224.0305.02	0,5	1	0,07	0,32	2,7	60°	22	4,5	224030058N	Δ	▲
LS224.0407.02	0,75	0,9	0,1	0,47	2,7	60°	22	4,5	224030058N	▲	▲
LS224.0610.02	1	0,8	0,14	0,62	2,7	60°	22	4,5	224030058N	▲	▲
LS224.0712.02	1,25	0,7	0,17	0,78	2,7	60°	22	4,5	224030058N	▲	▲
LS224.0915.02	1,5	0,5	0,21	0,93	2,7	60°	22	4,5	224030058N	▲	▲
LS224.1017.02	1,75	0,4	0,25	1,08	2,7	60°	22	4,5	224030058N	Δ	Δ
LS224.1220.02	2	0,3	0,28	1,24	2,7	60°	22	4,5	224030058N	Δ	▲

Besonders geeignet für die hinter Bund Bearbeitung
Particularly suitable for threading behind a shoulder



P	●	●
M	-	-
K	o	-
N	-	-
S	-	-
H	-	-

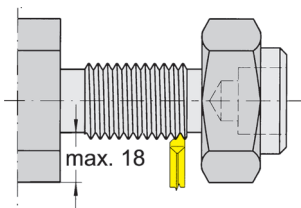
E1

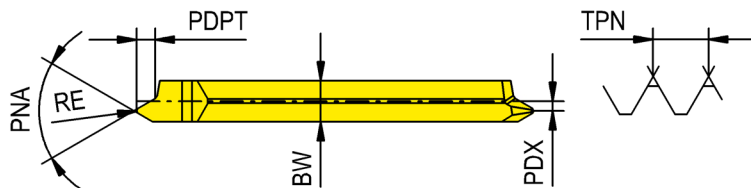
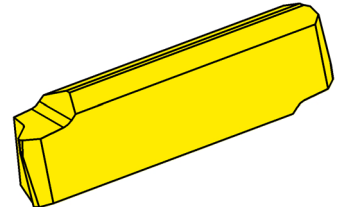
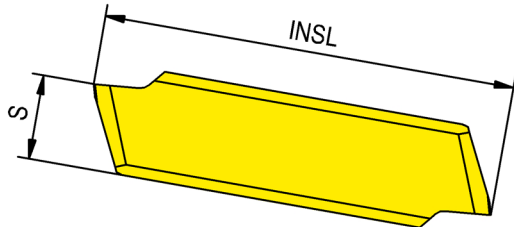


Sorten
Grades

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	TPIN	RE	PDPT	BW	PNA	INSL	S	Trennstelle M Interface M	EG55	TA45
NS224.5511.02	11	0,3	1,5	2,7	55°	22	4,5	224030058N	▲	▲
NS224.5514.02	14	0,23	1,18	2,7	55°	22	4,5	224030058N	▲	▲
NS224.5519.02	19	0,17	0,87	2,7	55°	22	4,5	224030058N	▲	▲
NS224.5528.02	28	0,11	0,6	2,7	55°	22	4,5	224030058N	▲	▲
Besonders geeignet für die hinter Bund Bearbeitung Particularly suitable for threading behind a shoulder									P	●
									M	-
									K	o
									N	-
									S	-
									H	-





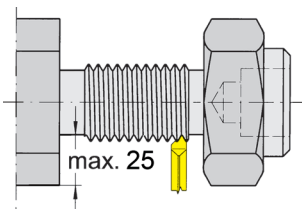
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R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

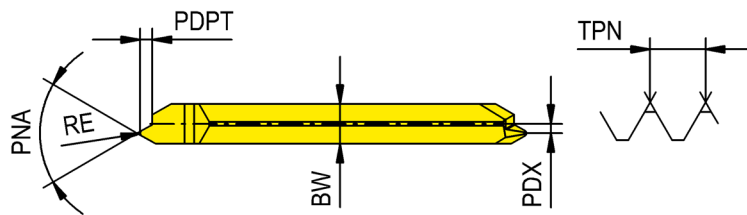
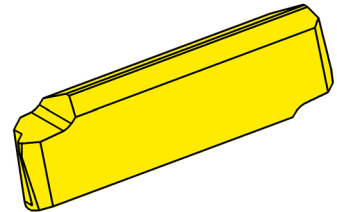
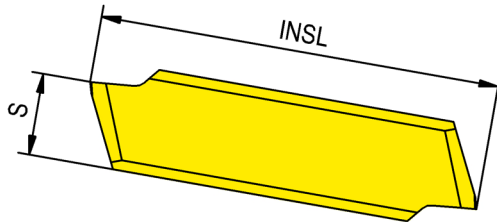
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R229.0610.01	1	0,8	0,14	0,7	3	60°	30,4	6,2	229030108N	▲
R229.0712.01	1,25	0,8	0,17	0,9	3	60°	30,4	6,2	229030108N	▲
R229.0915.01	1,5	0,7	0,21	1	3	60°	30,4	6,2	229030108N	▲
R229.1017.01	1,75	0,5	0,25	1,1	3	60°	30,4	6,2	229030108N	▲
R229.1220.01	2	0,5	0,28	1,3	3	60°	30,4	6,2	229030108N	▲
R229.1525.01	2,5	0,3	0,36	1,6	3	60°	30,4	6,2	229030108N	▲
L229.0610.01	1	0,8	0,14	0,7	3	60°	30,4	6,2	229030108N	▲
L229.0712.01	1,25	0,8	0,17	0,9	3	60°	30,4	6,2	229030108N	▲
L229.0915.01	1,5	0,7	0,21	1	3	60°	30,4	6,2	229030108N	▲
L229.1017.01	1,75	0,5	0,25	1,1	3	60°	30,4	6,2	229030108N	▲
L229.1220.01	2	0,5	0,28	1,3	3	60°	30,4	6,2	229030108N	▲
L229.1525.01	2,5	0,3	0,36	1,6	3	60°	30,4	6,2	229030108N	▲

Besonders geeignet für die hinter Bund Bearbeitung
Particularly suitable for threading behind a shoulder



P	●
M	-
K	●
N	-
S	-
H	-

E1



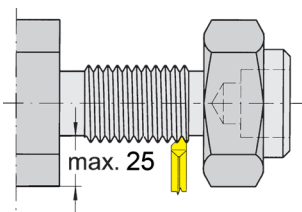
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R = right hand version shown

L = links spiegelbildlich
L = left hand version

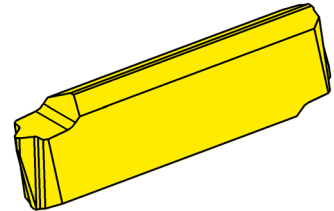
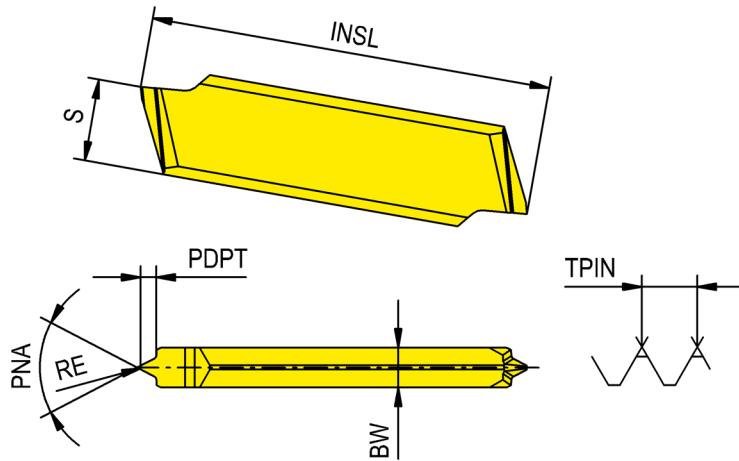
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	PDX	RE	PDPT	BW	PNA	INSL	S	Trennstelle M Interface M	TN35
R229.0610.02	1	0,8	0,14	0,62	3	60°	30,4	6,2	229030108N	▲
R229.0712.02	1,25	0,8	0,17	0,78	3	60°	30,4	6,2	229030108N	▲
R229.0915.02	1,5	0,7	0,21	0,93	3	60°	30,4	6,2	229030108N	▲
R229.1017.02	1,75	0,5	0,25	1,08	3	60°	30,4	6,2	229030108N	▲
R229.1220.02	2	0,5	0,28	1,24	3	60°	30,4	6,2	229030108N	▲
R229.1525.02	2,5	0,3	0,36	1,54	3	60°	30,4	6,2	229030108N	▲
L229.0610.02	1	0,8	0,14	0,62	3	60°	30,4	6,2	229030108N	▲
L229.0712.02	1,25	0,8	0,17	0,78	3	60°	30,4	6,2	229030108N	▲
L229.0915.02	1,5	0,7	0,21	0,93	3	60°	30,4	6,2	229030108N	▲
L229.1017.02	1,75	0,5	0,25	1,08	3	60°	30,4	6,2	229030108N	▲
L229.1220.02	2	0,5	0,28	1,24	3	60°	30,4	6,2	229030108N	▲
L229.1525.02	2,5	0,3	0,36	1,54	3	60°	30,4	6,2	229030108N	Δ

Besonders geeignet für die hinter Bund Bearbeitung
Particularly suitable for threading behind a shoulder



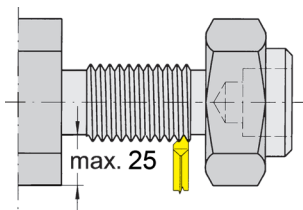
P	●
M	-
K	●
N	-
S	-
H	-



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

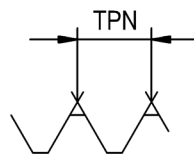
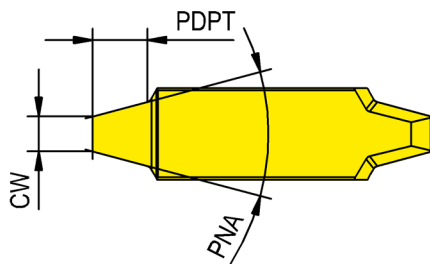
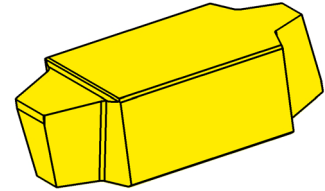
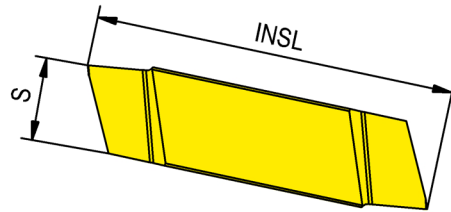
Artikelnummer Part number	TPIN	RE	PDPT	BW	PNA	INSL	S	Trennstelle M Interface M	TA45	TN35
N229.5511.02	11	0,3	1,5	3,5	55°	30,4	6,2	229030108N	Δ	▲
N229.5514.02	14	0,23	1,18	3	55°	30,4	6,2	229030108N	▲	▲
N229.5519.02	19	0,17	0,87	3	55°	30,4	6,2	229030108N		▲
N229.5528.02	28	0,11	0,6	3	55°	30,4	6,2	229030108N		Δ

Besonders geeignet für die hinter Bund Bearbeitung
Particularly suitable for threading behind a shoulder



P	●	●
M	-	-
K	●	●
N	-	-
S	-	-
H	-	-

E1



Sorten
Grades

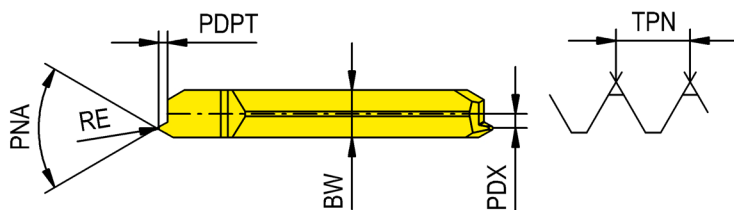
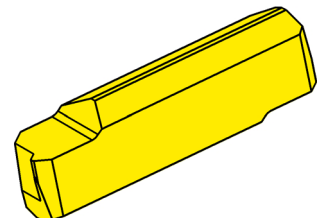
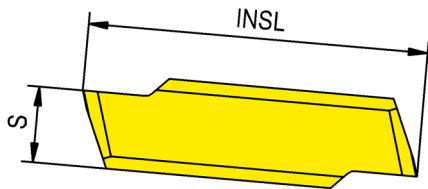
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	TPN	PDPT	CW	PNA	INS	S	Trennstelle M Interface M	TN35
231.4070.02	7	3,88	2,28	30°	30,85	7	231050128N	▲
231.4580.02	8	4,38	2,65	30°	30,85	7	231050128N	▲
231.5090.02	9	4,88	3,01	30°	30,85	7	231070128N	Δ
231.5500.02	10	5,38	3,38	30°	30,85	7	231070128N	▲
231.6020.02	12	6,38	4,11	30°	30,85	7	231090128N	Δ

für Klemmhalter 221 und 228 (Kapitel Axialeinstechen)
for Toolholder 221 and 228 (Chapter Face Grooving)

Metrisches ISO-Trapezgewinde DIN 103
Metric ISO trapezoidal thread DIN 103

P	●
M	-
K	●
N	-
S	-
H	-



R = rechts wie gezeichnet
R = right hand version shown

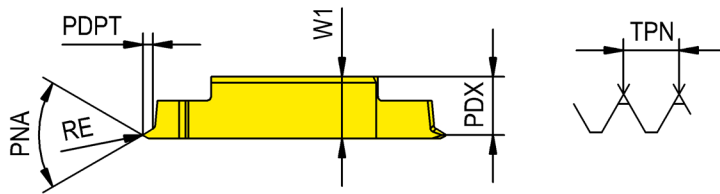
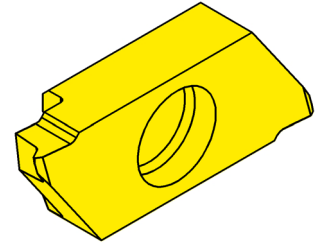
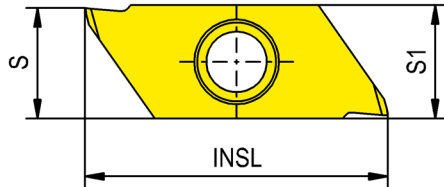
L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	PDX	RE	PDPT	BW	RETL	PNA	INSL	S	Trennstelle M Interface M	TF45
R264.0305.02	0,5	0,9	0,07	0,32	2,5	0,05	60°	18	4	264030058N	▲
R264.0306.02	0,6	0,9	0,09	0,38	2,5	0,05	60°	18	4	264030058N	Δ
R264.0307.02	0,7	0,8	0,1	0,44	2,5	0,05	60°	18	4	264030058N	▲
R264.0407.02	0,75	0,75	0,1	0,47	2,5	0,05	60°	18	4	264030058N	▲
R264.0408.02	0,8	0,7	0,11	0,5	2,5	0,05	60°	18	4	264030058N	▲
R264.0610.02	1	0,6	0,14	0,62	2,5	0,07	60°	18	4	264030058N	▲
R264.0712.02	1,25	0,5	0,17	0,78	2,5	0,07	60°	18	4	264030058N	▲
R264.0915.02	1,5	0,4	0,21	0,93	2,5	0,07	60°	18	4	264030058N	▲
L264.0305.02	0,5	0,9	0,07	0,32	2,5	0,05	60°	18	4	264030058N	Δ
L264.0306.02	0,6	0,9	0,09	0,38	2,5	0,05	60°	18	4	264030058N	Δ
L264.0307.02	0,7	0,8	0,1	0,44	2,5	0,05	60°	18	4	264030058N	Δ
L264.0407.02	0,75	0,75	0,1	0,47	2,5	0,05	60°	18	4	264030058N	Δ
L264.0408.02	0,8	0,7	0,11	0,5	2,5	0,05	60°	18	4	264030058N	▲
L264.0610.02	1	0,6	0,14	0,62	2,5	0,07	60°	18	4	264030058N	▲
L264.0712.02	1,25	0,5	0,17	0,78	2,5	0,07	60°	18	4	264030058N	Δ
L264.0915.02	1,5	0,4	0,21	0,93	2,5	0,07	60°	18	4	264030058N	Δ
										P	●
										M	-
										K	-
										N	-
										S	-
										H	-

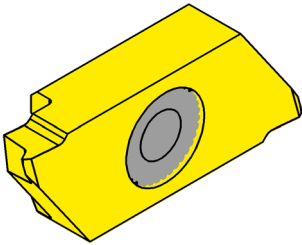
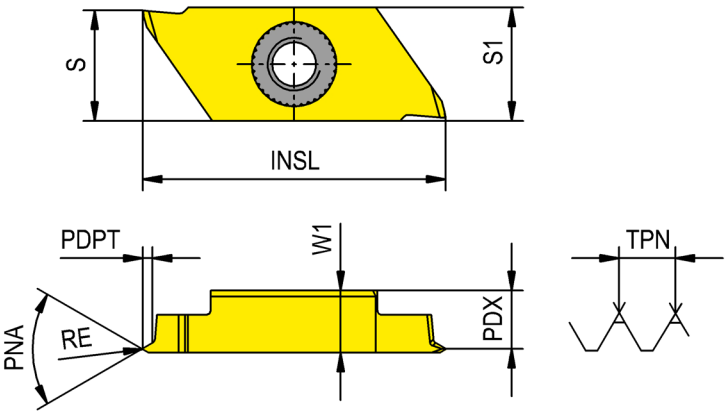
E1



R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	PDX	RE	PDPT	PNA	W1	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0102.01	0,25	3,9	0,04	0,2	60°	4,1	20	7,3	7,5	274040000R	▲	▲
RS274.0203.01	0,35	3,85	0,05	0,25	60°	4,1	20	7,3	7,5	274040000R	▲	▲
RS274.0204.01	0,4	3,8	0,06	0,3	60°	4,1	20	7,3	7,5	274040000R	▲	▲
											P	•
											M	o
											K	-
											N	-
											S	-
											H	-

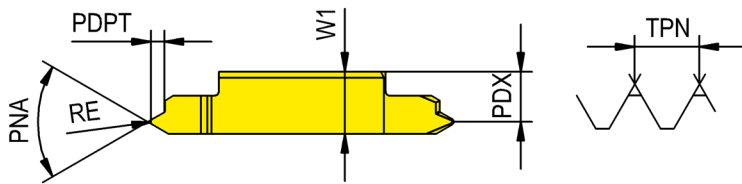
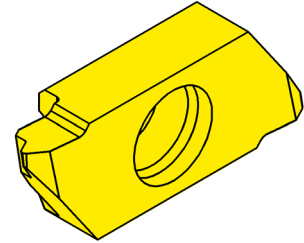
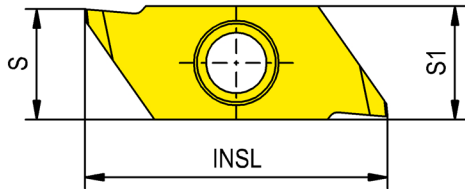


R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	PDX	RE	PDPT	PNA	W1	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0102.01.E	0,25	3,9	0,04	0,2	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0203.01.E	0,35	3,85	0,05	0,25	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0204.01.E	0,4	3,8	0,06	0,3	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
											P	●
											M	o
											K	-
											N	-
											S	-
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E1



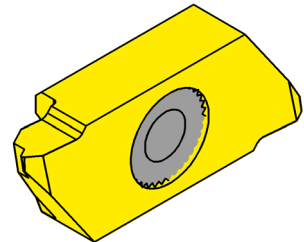
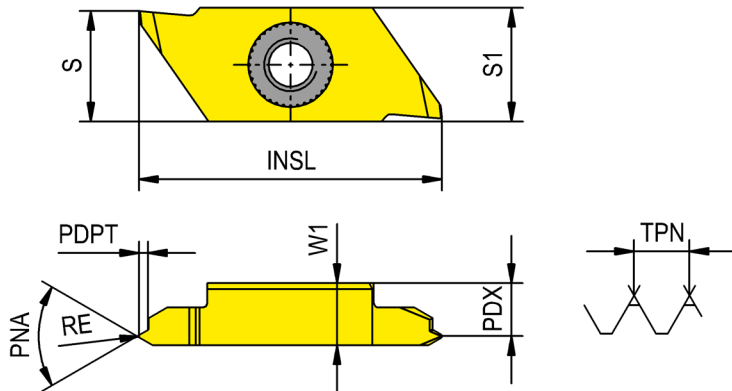
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	PDX	RE	PDPT	PNA	W1	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0305.02	0,5	3,7	0,07	0,32	60°	4,1	20	7,3	7,5	274040000R	▲	▲
RS274.0306.02	0,6	3,65	0,09	0,38	60°	4,1	20	7,3	7,5	274040000R	Δ	▲
RS274.0307.02	0,7	3,6	0,1	0,44	60°	4,1	20	7,3	7,5	274040000R	▲	▲
RS274.0407.02	0,75	3,6	0,10	0,47	60°	4,1	20	7,3	7,5	274040000R	▲	▲
RS274.0408.02	0,8	3,55	0,11	0,5	60°	4,1	20	7,3	7,5	274040000R	▲	▲
RS274.0610.02	1	3,5	0,13	0,62	60°	4,1	20	7,3	7,5	274040000R	▲	▲
RS274.0712.02	1,25	3,4	0,17	0,78	60°	4,1	20	7,3	7,5	274040000R	▲	▲
RS274.0915.02	1,5	3,3	0,21	0,93	60°	4,1	20	7,3	7,5	274040000R	▲	▲
LS274.0305.02	0,5	3,7	0,07	0,32	60°	4,1	20	7,3	7,5	274040000L	Δ	▲
LS274.0306.02	0,6	3,65	0,09	0,38	60°	4,1	20	7,3	7,5	274040000L	Δ	Δ
LS274.0307.02	0,7	3,6	0,1	0,44	60°	4,1	20	7,3	7,5	274040000L	Δ	Δ
LS274.0407.02	0,75	3,6	0,10	0,47	60°	4,1	20	7,3	7,5	274040000L	Δ	Δ
LS274.0408.02	0,8	3,55	0,11	0,5	60°	4,1	20	7,3	7,5	274040000L	Δ	Δ
LS274.0610.02	1	3,5	0,13	0,62	60°	4,1	20	7,3	7,5	274040000L	Δ	▲
LS274.0712.02	1,25	3,4	0,17	0,78	60°	4,1	20	7,3	7,5	274040000L	▲	▲
LS274.0915.02	1,5	3,3	0,21	0,93	60°	4,1	20	7,3	7,5	274040000L	Δ	Δ
											P	●
											M	o
											K	-
											N	-
											S	-
											H	-



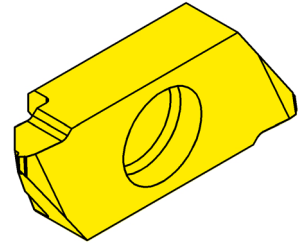
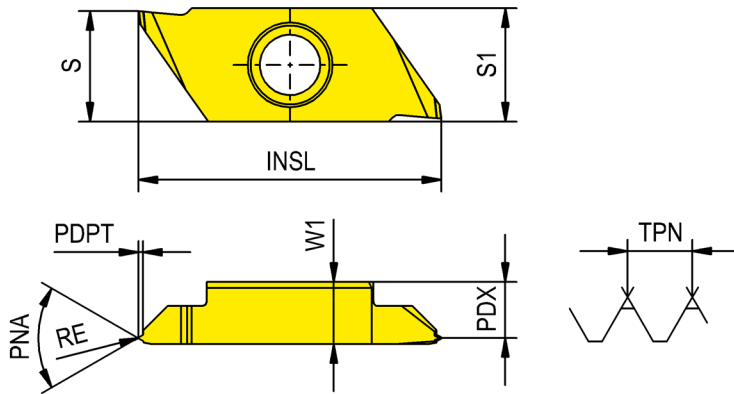
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	PDX	RE	PDPT	PNA	W1	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0305.02.E	0,5	3,7	0,07	0,32	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0306.02.E	0,6	3,65	0,09	0,38	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0307.02.E	0,7	3,6	0,1	0,44	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0407.02.E	0,75	3,6	0,10	0,47	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0408.02.E	0,8	3,55	0,11	0,5	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0610.02.E	1	3,5	0,13	0,62	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0712.02.E	1,25	3,4	0,17	0,78	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0915.02.E	1,5	3,3	0,21	0,93	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
LS274.0305.02.E	0,5	3,7	0,07	0,32	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0306.02.E	0,6	3,65	0,09	0,38	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0307.02.E	0,7	3,6	0,1	0,44	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0407.02.E	0,75	3,6	0,10	0,47	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0408.02.E	0,8	3,55	0,11	0,5	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0610.02.E	1	3,5	0,13	0,62	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0712.02.E	1,25	3,4	0,17	0,78	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0915.02.E	1,5	3,3	0,21	0,93	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
											P	●
											M	o
											K	-
											N	-
											S	-
											H	-

E1



R = rechts wie gezeichnet
R = right hand version shown

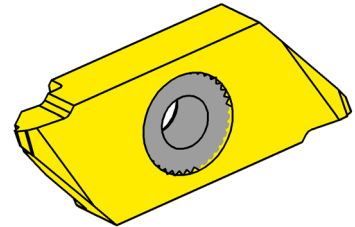
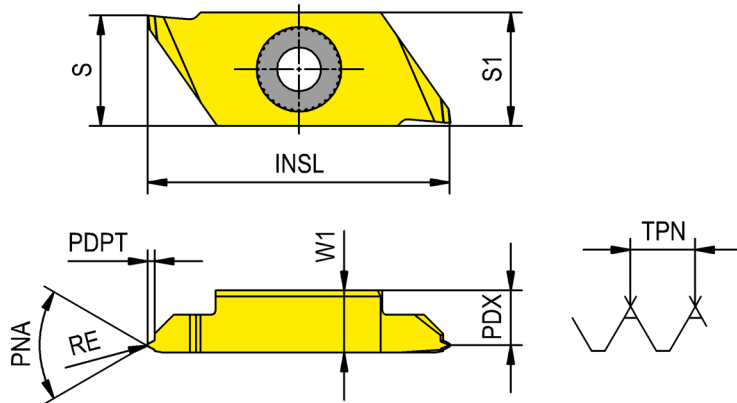
L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	PDX	RE	PDPT	PNA	W1	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0305.03	0,5	3,7	0,07	0,32	60°	4,1	20	7,3	7,5	274040000R	Δ	▲
RS274.0306.03	0,6	3,65	0,09	0,38	60°	4,1	20	7,3	7,5	274040000R	Δ	Δ
RS274.0307.03	0,7	3,6	0,1	0,44	60°	4,1	20	7,3	7,5	274040000R	Δ	▲
RS274.0407.03	0,75	3,6	0,1	0,47	60°	4,1	20	7,3	7,5	274040000R	Δ	Δ
RS274.0408.03	0,8	3,55	0,11	0,5	60°	4,1	20	7,3	7,5	274040000R	Δ	Δ
RS274.0610.03	1	3,5	0,14	0,62	60°	4,1	20	7,3	7,5	274040000R	▲	▲
RS274.0712.03	1,25	3,3	0,17	0,78	60°	4,1	20	7,3	7,5	274040000R	Δ	Δ
RS274.0915.03	1,5	3,2	0,21	0,93	60°	4,1	20	7,3	7,5	274040000R	Δ	▲
LS274.0305.03	0,5	3,7	0,07	0,32	60°	4,1	20	7,3	7,5	274040000L	Δ	▲
LS274.0306.03	0,6	3,65	0,09	0,38	60°	4,1	20	7,3	7,5	274040000L	Δ	
LS274.0307.03	0,7	3,6	0,1	0,44	60°	4,1	20	7,3	7,5	274040000L	Δ	Δ
LS274.0407.03	0,75	3,6	0,1	0,47	60°	4,1	20	7,3	7,5	274040000L	Δ	Δ
LS274.0408.03	0,8	3,55	0,11	0,5	60°	4,1	20	7,3	7,5	274040000L	Δ	Δ
LS274.0610.03	1	3,5	0,14	0,62	60°	4,1	20	7,3	7,5	274040000L	Δ	Δ
LS274.0712.03	1,25	3,3	0,17	0,78	60°	4,1	20	7,3	7,5	274040000L	Δ	Δ
LS274.0915.03	1,5	3,2	0,21	0,93	60°	4,1	20	7,3	7,5	274040000L	Δ	Δ

Bearbeitung beider Flanken
Machining of both flanks

P	●	●
M	o	o
K	-	-
N	-	-
S	-	-
H	-	-



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

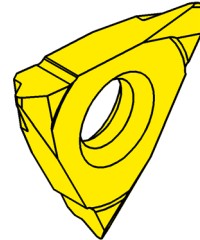
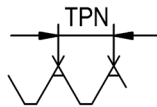
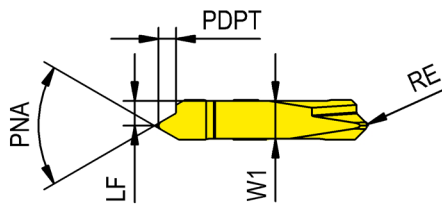
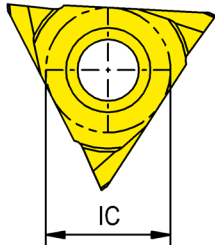
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	PDX	RE	PDPT	PNA	W1	INSL	S	S1	Trennstelle M Interface M	IG35	TH35
RS274.0305.03.E	0,5	3,7	0,07	0,32	60°	4,1	20	7,3	7,5	274040000R	Δ	Δ
RS274.0306.03.E	0,6	3,65	0,09	0,38	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0307.03.E	0,7	3,6	0,1	0,44	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0407.03.E	0,75	3,6	0,1	0,47	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0408.03.E	0,8	3,55	0,11	0,5	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0610.03.E	1	3,5	0,14	0,62	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0712.03.E	1,25	3,3	0,17	0,78	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
RS274.0915.03.E	1,5	3,2	0,21	0,93	60°	4,1	20	7,3	7,5	274140000R	Δ	Δ
LS274.0305.03.E	0,5	3,7	0,07	0,32	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0306.03.E	0,6	3,65	0,09	0,38	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0307.03.E	0,7	3,6	0,1	0,44	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0407.03.E	0,75	3,6	0,1	0,47	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0408.03.E	0,8	3,55	0,11	0,5	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0610.03.E	1	3,5	0,14	0,62	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0712.03.E	1,25	3,3	0,17	0,78	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ
LS274.0915.03.E	1,5	3,2	0,21	0,93	60°	4,1	20	7,3	7,5	274140000L	Δ	Δ

Bearbeitung beider Flanken
Machining of both flanks

P	●	●
M	o	o
K	-	-
N	-	-
S	-	-
H	-	-

E1

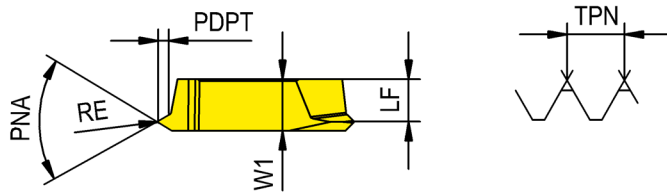
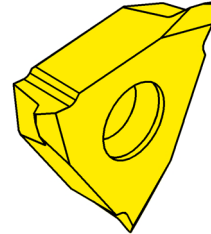
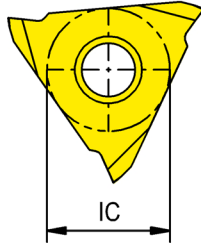


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	LF	RE	PDPT	PNA	W1	IC	Trennstelle M Interface M	EG55
RS32T.0305.02	0,5	1,6	0,07	0,32	60°	2	6,6	32T024R	▲
RS32T.0306.02	0,6	1,5	0,09	0,38	60°	2	6,6	32T024R	▲
RS32T.0307.02	0,7	1,5	0,1	0,44	60°	2	6,6	32T024R	▲
RS32T.0407.02	0,75	1,5	0,10	0,47	60°	2	6,6	32T024R	▲
RS32T.0408.02	0,8	1,4	0,11	0,5	60°	2	6,6	32T024R	▲
RS32T.0610.02	1	1,4	0,13	0,62	60°	2	6,6	32T024R	▲
RS32T.0712.02	1,25	1,4	0,17	0,78	60°	2	6,6	32T024R	▲
RS32T.0915.02	1,5	1,3	0,21	0,93	60°	2	6,6	32T024R	▲
LS32T.0305.02	0,5	1,6	0,07	0,32	60°	2	6,6	32T024L	▲
LS32T.0306.02	0,6	1,5	0,09	0,38	60°	2	6,6	32T024L	▲
LS32T.0307.02	0,7	1,5	0,1	0,44	60°	2	6,6	32T024L	▲
LS32T.0407.02	0,75	1,5	0,10	0,47	60°	2	6,6	32T024L	▲
LS32T.0408.02	0,8	1,4	0,11	0,5	60°	2	6,6	32T024L	▲
LS32T.0610.02	1	1,4	0,13	0,62	60°	2	6,6	32T024L	▲
LS32T.0712.02	1,25	1,4	0,17	0,78	60°	2	6,6	32T024L	▲
LS32T.0915.02	1,5	1,3	0,21	0,93	60°	2	6,6	32T024L	▲
									P ●
									M o
									K -
									N -
									S -
									H -



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	LF	RE	PDPT	PNA	W1	IC	Trennstelle M Interface M	TN35
R315.0610.01	1	4,48	0,14	0,85	60°	5,45	13	31505051R	▲
R315.0712.01	1,25	4,47	0,14	1	60°	5,45	13	31505051R	▲
R315.0915.01	1,5	4,12	0,21	1,15	60°	5,45	13	31505051R	▲
R315.1017.01	1,75	4,12	0,25	1,3	60°	5,45	13	31505051R	▲
R315.1220.01	2	4,12	0,28	1,65	60°	5,45	13	31505051R	▲
R315.1525.01	2,5	3,77	0,36	1,9	60°	5,45	13	31505051R	▲
R315.1830.01	3	3,57	0,43	2,25	60°	5,45	13	31505051R	▲
R315.2135.01	3,5	3,37	0,43	2,5	60°	5,45	13	31505051R	Δ
R315.3060.01	3	2,97	0,43	4,15	60°	6,1	13	31505051R	▲
L315.0610.01	1	4,48	0,14	0,85	60°	5,45	13	31505051L	Δ
L315.0712.01	1,25	4,47	0,14	1	60°	5,45	13	31505051L	Δ
L315.0915.01	1,5	4,12	0,21	1,15	60°	5,45	13	31505051L	▲
L315.1017.01	1,75	4,12	0,25	1,3	60°	5,45	13	31505051L	Δ
L315.1220.01	2	4,12	0,28	1,65	60°	5,45	13	31505051L	Δ
L315.1525.01	2,5	3,77	0,36	1,9	60°	5,45	13	31505051L	Δ
L315.1830.01	3	3,57	0,43	2,25	60°	5,45	13	31505051L	Δ
L315.3060.01	3	2,97	0,43	4,15	60°	6,1	13	31505051L	▲

Keine Unterlegplatte erforderlich. Sämtliche HORN-Gewindeprofile sind mit einem **KEGELMANTEL-FREISCHLIFF** versehen.

No shims necessary. All HORN thread profiles are manufactured with full ground radial clearance.

Außenbearbeitung:

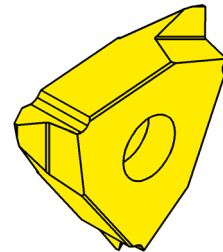
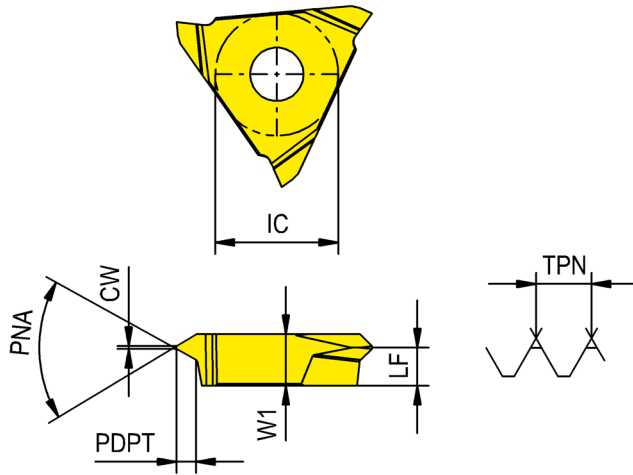
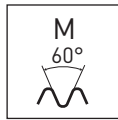
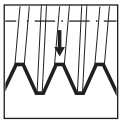
Rechte WSP in rechten Klemmhalter 356, linke WSP in linken Klemmhaltern 356 verwenden.

External machining:

Right hand insert in right hand toolholder 356, left hand insert in left hand toolholder 356.

P	●
M	-
K	-
N	-
S	-
H	-

E1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	LF	PDPT	CW	PNA	W1	IC	Trennstelle M Interface M	TN35
R315.0510.01	1	4,63	0,87	0,12	60°	5,45	13	31505051R	Δ
R315.0815.01	1,5	4,43	1,14	0,18	60°	5,45	13	31505051R	Δ
R315.1020.01	2	4,23	1,41	0,25	60°	5,45	13	31505051R	Δ
R315.1325.01	2,5	4,03	1,68	0,31	60°	5,45	13	31505051R	Δ
R315.1630.01	3	3,88	1,95	0,37	60°	5,45	13	31505051R	Δ
R315.1835.01	3,5	3,68	2,22	0,43	60°	5,45	13	31505051R	Δ
L315.0815.01	1,5	4,43	1,14	0,18	60°	5,45	13	31505051L	Δ

Keine Unterlegplatte erforderlich. Sämtliche HORN-Gewindeprofile sind mit einem **KEGELMANTEL-FREISCHLIFF** versehen.

No shims necessary. All HORN thread profiles are manufactured with full ground radial clearance.

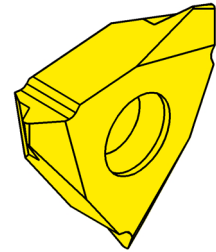
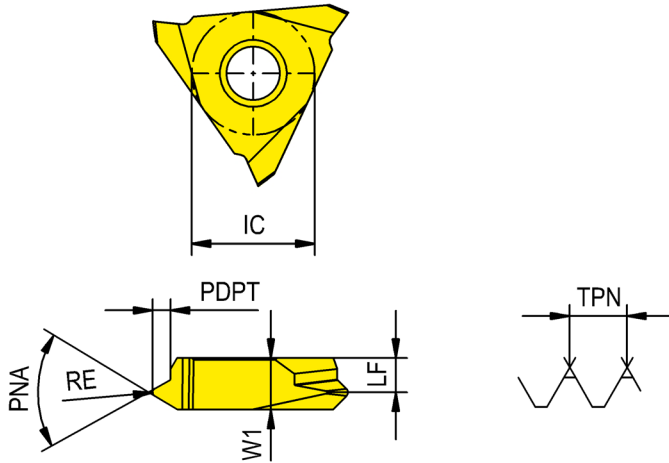
Innenbearbeitung:

Rechte WSP in rechten Klemmhalter 333/357, linke WSP in linken Klemmhaltern 333/357 verwenden.

Internal machining:

Right hand insert in right hand toolholder 333/357, left hand insert in left hand toolholder 333/357

P	•
M	-
K	-
N	-
S	-
H	-



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	LF	RE	PDPT	PNA	W1	IC	Trennstelle M Interface M	TN35
R315.0610.02	1	4,5	0,14	0,62	60°	5,45	13	31505051R	▲
R315.0712.02	1,25	4,5	0,17	0,78	60°	5,45	13	31505051R	▲
R315.0915.02	1,5	4,15	0,21	0,93	60°	5,45	13	31505051R	▲
R315.1017.02	1,75	4,15	0,25	1,08	60°	5,45	13	31505051R	▲
R315.1220.02	2	4,15	0,28	1,24	60°	5,45	13	31505051R	▲
R315.1525.02	2,5	3,8	0,36	1,54	60°	5,45	13	31505051R	▲
R315.1830.02	3	3,6	0,43	1,85	60°	5,45	13	31505051R	▲
R315.2135.02	3,5	3,4	0,5	2,16	60°	5,45	13	31505051R	▲
R315.2440.02	4	3,3	0,57	2,46	60°	5,45	13	31505051R	Δ
R315.3050.02	5	4	0,72	3,08	60°	6,6	13	31506051R	▲
R315.3660.02	6	4,1	0,86	3,69	60°	7,1	13	31507051R	Δ
L315.0610.02	1	4,5	0,14	0,62	60°	5,45	13	31505051L	▲
L315.0712.02	1,25	4,5	0,17	0,78	60°	5,45	13	31505051L	Δ
L315.0915.02	1,5	4,15	0,21	0,93	60°	5,45	13	31505051L	▲
L315.1017.02	1,75	4,15	0,25	1,08	60°	5,45	13	31505051L	Δ
L315.1220.02	2	4,15	0,28	1,24	60°	5,45	13	31505051L	Δ
L315.1525.02	2,5	3,8	0,36	1,54	60°	5,45	13	31505051L	Δ
L315.1830.02	3	3,6	0,43	1,85	60°	5,45	13	31505051L	▲
L315.2135.02	3,5	3,4	0,5	2,16	60°	5,45	13	31505051L	Δ
L315.2440.02	4	3,3	0,57	2,46	60°	5,45	13	31505051L	Δ
L315.3050.02	5	4	0,72	3,08	60°	6,6	13	31506051L	Δ
L315.3660.02	6	4,1	0,86	3,69	60°	7,1	13	31507051L	Δ

Keine Unterlegplatte erforderlich. Sämtliche HORN-Gewindeprofile sind mit einem **KEGELMANTEL-FREISCHLIFF** versehen.

No shims necessary. All HORN thread profiles are manufactured with full ground radial clearance.

Außenbearbeitung:

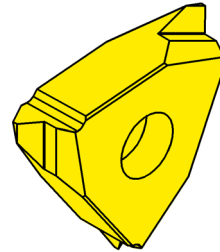
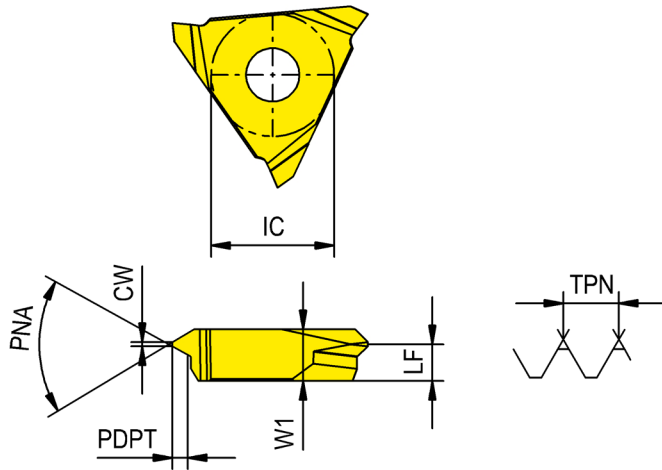
Rechte WSP in rechten Klemmhalter 356, linke WSP in linken Klemmhaltern 356 verwenden.

External machining:

Right hand insert in right hand toolholder 356, left hand insert in left hand toolholder 356.

P	●
M	-
K	-
N	-
S	-
H	-

E1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	LF	PDPT	CW	PNA	W1	IC	Trennstelle M Interface M	TN35
R315.0510.02	1	4,83	0,55	0,12	60°	5,45	13	31505051R	Δ
R315.0815.02	1,5	4,63	0,82	0,18	60°	5,45	13	31505051R	▲
R315.1020.02	2	4,43	1,09	0,24	60°	5,45	13	31505051R	▲
R315.1325.02	2,5	4,23	1,36	0,3	60°	5,45	13	31505051R	Δ
R315.1630.02	3	4,03	1,63	0,37	60°	5,45	13	31505051R	▲
R315.1835.02	3,5	3,88	1,9	0,43	60°	5,45	13	31505051R	Δ
L315.1020.02	2	4,43	1,09	0,24	60°	5,45	13	31505051L	Δ
L315.1630.02	3	4,03	1,63	0,37	60°	5,45	13	31505051L	Δ

Keine Unterlegplatte erforderlich. Sämtliche HORN-Gewindeprofile sind mit einem **KEGELMANTEL-FREISCHLIFF** versehen.

No shims necessary. All HORN thread profiles are manufactured with full ground radial clearance.

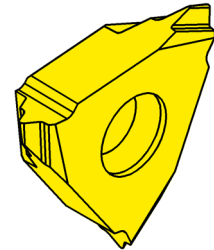
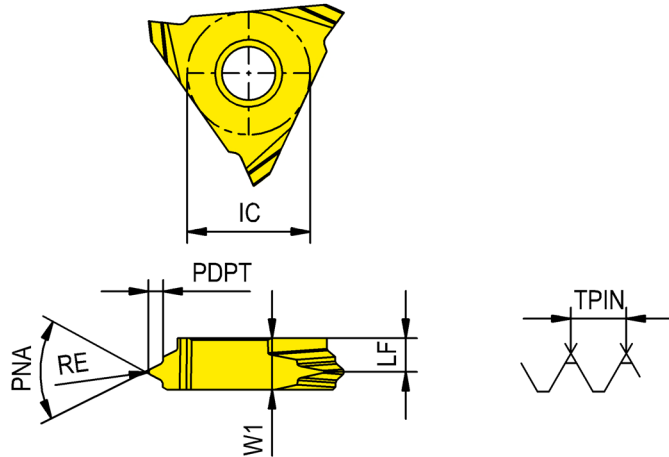
Innenbearbeitung:

Rechte WSP in rechten Klemmhalter 333/357, linke WSP in linken Klemmhaltern 333/357 verwenden.

Internal machining:

Right hand insert in right hand toolholder 333/357, left hand insert in left hand toolholder 333/357

P	●
M	-
K	-
N	-
S	-
H	-



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPIN	LF	RE	PDPT	PNA	W1	IC	Trennstelle M Interface M	TH35
R315.5528.02	28	4,35	0,11	0,6	55°	5,45	13	31505051R	Δ
R315.5519.02	19	4,05	0,16	0,87	55°	5,45	13	31505051R	▲
R315.5514.02	14	3,75	0,23	1,18	55°	5,45	13	31505051R	▲
R315.5511.02	11	3,55	0,30	1,5	55°	5,45	13	31505051R	▲
L315.5528.02	28	4,35	0,11	0,6	55°	5,45	13	31505051L	Δ
L315.5519.02	19	4,05	0,16	0,87	55°	5,45	13	31505051L	Δ
L315.5514.02	14	3,75	0,23	1,18	55°	5,45	13	31505051L	Δ
L315.5511.02	11	3,55	0,30	1,5	55°	5,45	13	31505051L	Δ

Keine Unterlegplatte erforderlich. Sämtliche HORN-Gewindeprofile sind mit einem **KEGELMANTEL-FREISCHLIFF** versehen.

No shims necessary. All HORN thread profiles are manufactured with full ground radial clearance.

Außenbearbeitung:

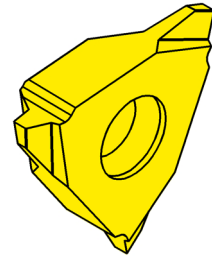
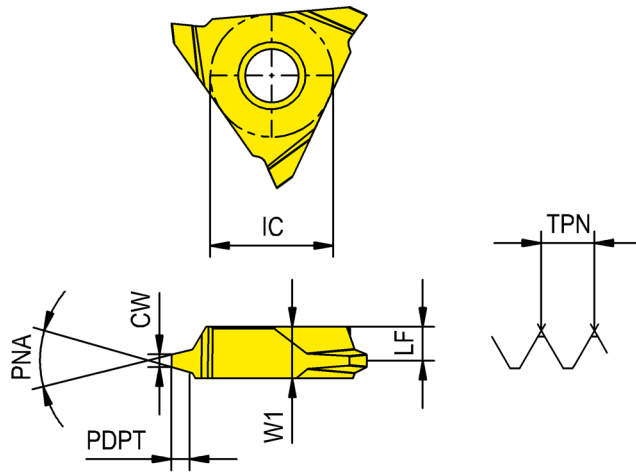
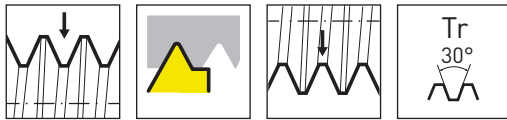
Rechte WSP in rechten Klemmhalter 356, linke WSP in linken Klemmhaltern 356 verwenden.

External machining:

Right hand insert in right hand toolholder 356, left hand insert in left hand toolholder 356.

P	●
M	o
K	-
N	-
S	-
H	-

E1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPN	LF	PDPT	CW	PNA	W1	IC	Trennstelle M Interface M	TN35
R315.1015.02	1,5	4,47	0,87	0,46	30°	5,45	13	31505051R	▲
R315.1320.02	2	4,28	1,2	0,59	30°	5,45	13	31505051R	▲
R315.1730.02	3	3,98	1,7	0,95	30°	5,45	13	31505051R	▲
R315.2240.02	4	3,58	2,2	1,32	30°	5,45	13	31505051R	▲
R315.2750.02	5	3,28	2,7	1,69	30°	5,45	13	31505051R	▲
R315.3560.02	6	2,98	3,4	1,92	30°	5,45	13	31505051R	▲
L315.1015.02	1,5	4,47	0,87	0,46	30°	5,45	13	31505051L	Δ
L315.1320.02	2	4,28	1,2	0,59	30°	5,45	13	31505051L	Δ
L315.1730.02	3	3,98	1,7	0,95	30°	5,45	13	31505051L	▲
L315.2240.02	4	3,58	2,2	1,32	30°	5,45	13	31505051L	▲
L315.2750.02	5	3,28	2,7	1,69	30°	5,45	13	31505051L	▲
L315.3560.02	6	2,98	3,4	1,92	30°	5,45	13	31505051L	▲

Außenbearbeitung:

Rechte WSP in rechten Klemmhalter 356, linke WSP in linken Klemmhaltern 356 verwenden.

External machining:

Right hand insert in right hand toolholder 356, left hand insert in left hand toolholder 356.

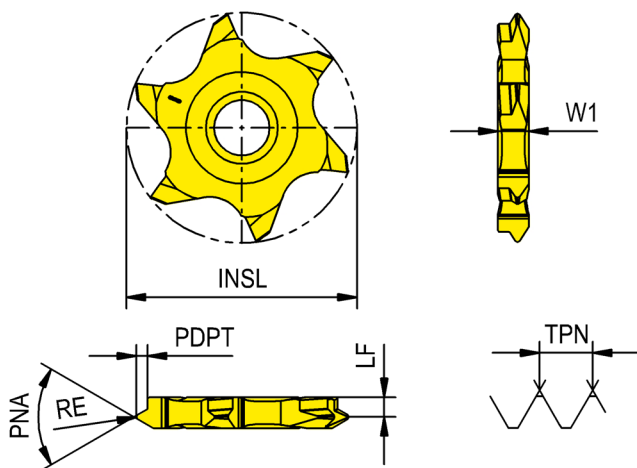
Innenbearbeitung:

Rechte WSP in linken Klemmhalter 333/357, linke WSP in rechten Klemmhaltern 333/357 verwenden.

Internal machining:

Right hand insert in left hand toolholder 333/357, left hand insert in right hand toolholder 333/357.

P	●
M	-
K	-
N	-
S	-
H	-



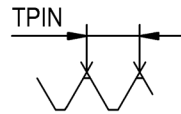
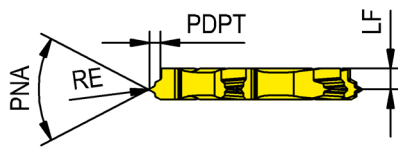
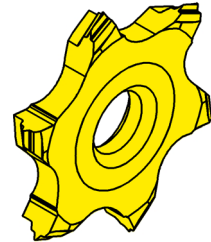
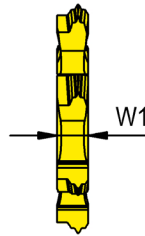
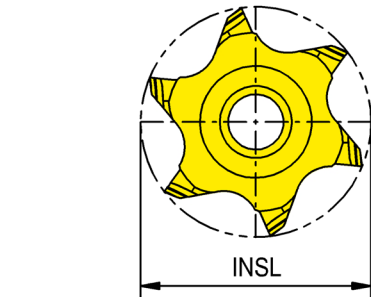
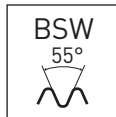
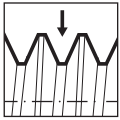
L = links spiegelbildlich
L = left hand version

▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	TPN	LF	RE	PDPT	PNA	W1	INSL	Trennstelle M Interface M	EG55
RS64T.0305.02	0,5	2,8	0,07	0,32	60°	3,4	25,37	64T024N	▲
RS64T.0306.02	0,6	2,75	0,09	0,38	60°	3,4	25,37	64T024N	▲
RS64T.0307.02	0,7	2,7	0,1	0,44	60°	3,4	25,37	64T024N	▲
RS64T.0407.02	0,75	2,65	0,1	0,47	60°	3,4	25,37	64T024N	▲
RS64T.0408.02	0,8	2,6	0,11	0,5	60°	3,4	25,37	64T024N	▲
RS64T.0610.02	1	2,5	0,14	0,62	60°	3,4	25,37	64T024N	▲
RS64T.0712.02	1,25	2,5	0,17	0,78	60°	3,4	25,37	64T024N	▲
RS64T.0915.02	1,5	2,2	0,21	0,93	60°	3,4	25,37	64T024N	▲
RS64T.1017.02	1,75	2,2	0,25	1,08	60°	3,4	25,37	64T024N	▲
RS64T.1220.02	2	2,15	0,28	1,24	60°	3,4	25,37	64T024N	▲
LS64T.0305.02	0,5	2,8	0,07	0,32	60°	3,4	25,37	64T024N	△
LS64T.0306.02	0,6	2,75	0,09	0,38	60°	3,4	25,37	64T024N	△
LS64T.0307.02	0,7	2,7	0,1	0,44	60°	3,4	25,37	64T024N	△
LS64T.0407.02	0,75	2,65	0,1	0,47	60°	3,4	25,37	64T024N	△
LS64T.0408.02	0,8	2,6	0,11	0,5	60°	3,4	25,37	64T024N	△
LS64T.0610.02	1	2,5	0,14	0,62	60°	3,4	25,37	64T024N	△
LS64T.0712.02	1,25	2,5	0,17	0,78	60°	3,4	25,37	64T024N	△
LS64T.0915.02	1,5	2,2	0,21	0,93	60°	3,4	25,37	64T024N	△
LS64T.1017.02	1,75	2,2	0,25	1,08	60°	3,4	25,37	64T024N	△
LS64T.1220.02	2	2,15	0,28	1,24	60°	3,4	25,37	64T024N	△

P	●
M	O
K	-
N	-
S	-
H	-

E1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	TPIN	LF	RE	PDPT	PNA	W1	INSL	Trennstelle M Interface M	EG55
RS64T.5519.02	19	2	0,17	0,87	55°	3,4	25,37	64T024N	Δ
RS64T.5528.02	28	2,3	0,11	0,6	55°	3,4	25,37	64T024N	Δ
LS64T.5519.02	19	2	0,17	0,87	55°	3,4	25,37	64T024N	Δ
LS64T.5528.02	28	2,3	0,11	0,6	55°	3,4	25,37	64T024N	Δ
NS64T.5511.02	11	1,7	0,3	1,5	55°	3,4	25,37	64T024N	▲
NS64T.5514.02	14	1,7	0,23	1,18	55°	3,4	25,37	64T024N	▲
								P	●
								M	o
								K	-
								N	-
								S	-
								H	-



Metrisches ISO Regelgewinde (außen) Metric ISO standard thread (external)	Teilprofil Partial profile	Vollprofil Full profile
M6 (M7)	R/L315.0610.01	R/L315.0610.02
M8 (M9)	R/L315.0712.01	R/L315.0712.02
M10 (M11)	R/L315.0915.01	R/L315.0915.02
M12	R/L315.1017.01	R/L315.1017.02
M14; M16	R/L315.1220.01	R/L315.1220.02
M18; M20; M22	R/L315.1525.01	R/L315.1525.02
M24; M27	R/L315.1830.01	R/L315.1830.02
M30; M33	R/L315.2135.01	R/L315.2135.02
M36	-	R/L315.2440.02
M24 - M68	R/L315.3060.01	-
M48; M52	-	R/L315.3050.02
M64; M68	-	R/L315.3660.02



Metrisches ISO Feingewinde (außen) Metric ISO fine thread (external)	Teilprofil Partial profile	Vollprofil Full profile
M7,5x1	R/L315.0610.01	R/L315.0610.02
M10x1,25	R/L315.0712.01	R/L315.0712.02
M12x1,5	R/L315.0915.01	R/L315.0915.02
M17x2	R/L315.1220.01	R/L315.1220.02
M24x2,5	R/L315.1525.01	R/L315.1525.02
M30x3	R/L315.1830.01	R/L315.1830.02



Metrisches ISO Feingewinde (innen) Metric ISO fine thread (internal)	Teilprofil Partial profile	Vollprofil Full profile
M45x1	R/L315.0510.01	R/L315.0510.02
M45x1,5	R/L315.0815.01	R/L315.0815.02
M48x2	R/L315.1020.01	R/L315.1020.02
M48x2,5	R/L315.1325.01	R/L315.1325.02
M48x3	R/L315.1630.01	R/L315.1630.02
M48x3,5	R/L315.1835.01	R/L315.1835.02



Vollprofil, Whitworth (außen) Full profile, Whitworth (external)	Vollprofil Full profile
G ^{1/16} / G ^{1/8}	R/L315.5528.02
G ^{1/4} / G ^{3/8} / G ^{5/8}	R/L315.5519.02
G ^{1/2} / G ^{3/4}	R/L315.5514.02
G1 - G6	R/L315.5511.02



Metrisches ISO Trapezgewinde DIN103 (außen) Metric ISO trapezoidal thread DIN103 (external)	Vollprofil Full profile
Tr8x1,5	R/L315.1015.02
Tr9-10x2	R/L315.1320.02
Tr12-14x3	R/L315.1730.02
Tr16-20x4	R/L315.2240.02
Tr22-28x5	R/L315.2750.02
Tr30-36x6	R/L315.3560.02

Zustellung

Radiale Zustellung

Die gebräuchlichste Methode Gewinde herzustellen. Beide Schneiden sind gleichzeitig im Eingriff.

Modifizierte Flankenzustellung

Weniger Verschleiß der Schleppschnide und eine bessere Oberflächengüte der entsprechenden Gewindeflanke.

Wechselnde Flankenzustellung

Beide Schneidflanken werden gleichmäßig benutzt, ergibt höhere Standzeiten.

Einseitige Flankenzustellung

Geringerer Schnittdruck und bessere Wärmeabfuhr.

In-Feed

Radial In-Feed

Metal removed on both sides of the insert simultaneously. The most commonly used method for thread production.

Modified flank in-feed

Less wear of the trailing edge and better surface finish on corresponding flank.

Alternating flank in-feed

Both edges are being fully utilized which means longer tool life.

Flank in-feed

More easily formed chip and better heat dissipation.

V _{max} m/min	Stahl (Nmm ² Festigkeit) Steel (N/mm ² Tensile strength)					rostfr. Stahl Stainless steel	Grauguss Grey cast iron	Al
	400-500	500-700	700-850	850-1150	> 1150			
	160	140	120	90	70	90	100	300

Steigung Pitch		Anzahl der Schnitte Number of passes							
mm	Gg/'' tpi	Stahl (Nmm ² Festigkeit) Steel (N/mm ² Tensile strength)					rostfr. Stahl Stainless steel	Grauguss Grey cast iron	Al
		400-500	500-700	700-850	850-1150	> 1150			
0,8	32	8	8	9	9	10	10	9	8
1,0	24	10	10	12	12	12	12	12	10
1,25	20-19	12	12	14	14	15	15	14	12
1,5	16	15	15	17	17	18	18	17	15
1,75	14	17	17	19	19	21	21	18	17
2,0	12-11	19	20	22	22	25	25	20	18
2,5	10	22	24	26	26	31	31	22	20
3,0-3,5	8	28	30	32	32	38	38	24	22

Folgendes ist zu beachten:

- Die Anzahl der Durchgänge für das Gewindedrehen in o.g. Tabelle sind nur Richtwerte.
- Beim 1. Durchgang darf die Zustellung nicht zu groß sein, um Ausbrüche an der Schneide zu vermeiden.
- Leerschnitte (ohne Zustellung) sind in der Tabelle nicht berücksichtigt.

Please note:

- The recommended number of passes in the above table are approximate figures.
- To avoid breakages at the cutting edge, the depth of cut at the first pass should not be too deep.
- Finishing passes (with zero depth of cut) are not considered in the table.



Gewinden
horn-group.com/de/service/technologieinformationen/gewinden



Threads
horn-group.com/service/technical-instructions/threads

E1



AXIALEINSTECHEN

FACE GROOVING

System/System	Seite/Page
105/109/110	578
114	600
15A/25A	616
224	630
229	644
231	660
312	666
315	672

Kapitel Chapter	F									
	F1			F2	F3	F4	F5	F6	F7	F8
System System	105	109	110	114	15A 25A	224	229	231	312	315

CW	0,5-3	2-3	3	1-3	2-4	3-6	4-6	3-10	1,5-5	1,5-3
CDX	>2	20	30	>1,5	>12	14	10-25	8	2-3,5	1,6-2
DAXN	>5	15	>20	>12	>15	>38	>65	40	30	>8
DAXX	46			36	80	1000	1000			
	•	•	•	•	•	•	•	•	•	•
	•	○	○	•	•	•	•			
	•	○	○	•	•	•	•			
	•			•	•	•	•			
	•	•	•		•	•	•			
				•	•	•	•			

F1

105/109/110

F1



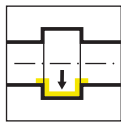
Stechbreite 0,5 - 3 mm

Width of groove 0,5 - 3 mm

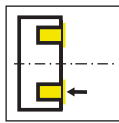
Inhaltsangabe

Summary

Klemmhalter
Toolholder
B105/BU105/H105/
HC105/VDI/B109/B110

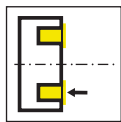


Seite/Page
581-585

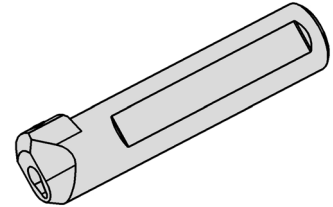
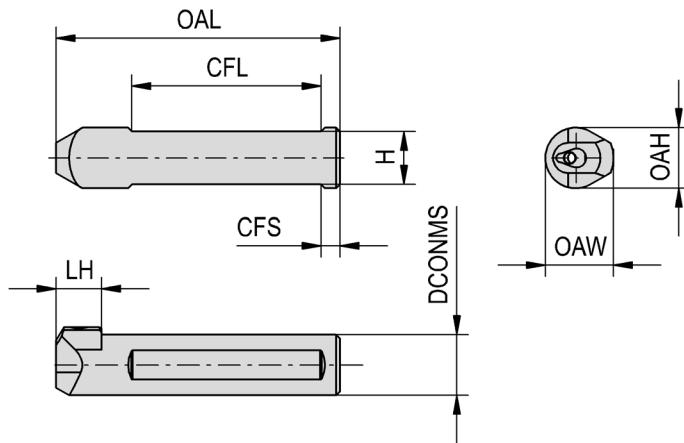
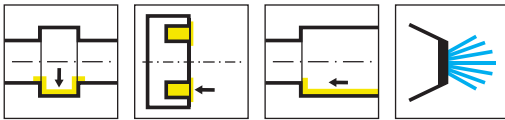


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Schneidplatte
Insert
105/A105/A109/A110



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586-591, 593-
594, 596, 598-
599

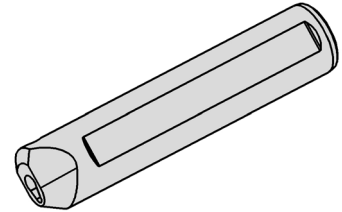
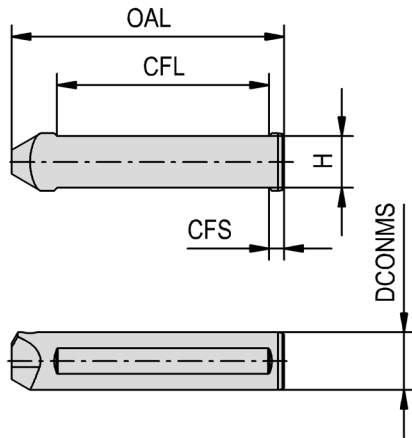
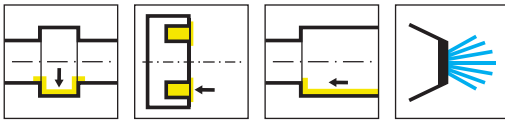


F1

Artikelnummer Part number	DCONMS	H	OAL	LH	OAW	OAH	CFL	CFS	Trennstelle W Interface W
B105.0010.01	10	9	75	12	17	12	50	5	10512395N • 10512495N • 10512595N
B105.0012.01	12	11	75	12	17	12	50	5	10512395N • 10512495N • 10512595N
B105.0016.01	16	14	75	12	18	16	50	5	10512395N • 10512495N • 10512595N
B105.0020.01	20	18	90	-	20	20	55	5	10512395N • 10512495N • 10512595N
B105.0022.01	22	20	90	-	22	22	55	5	10512395N • 10512495N • 10512595N
B105.0025.01	25	23	100	-	25	25	55	5	10512395N • 10512495N • 10512595N
B105.0028.01	28	26	120	-	28	28	72	12	10512395N • 10512495N • 10512595N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105...	6.075T15P	T15PQ



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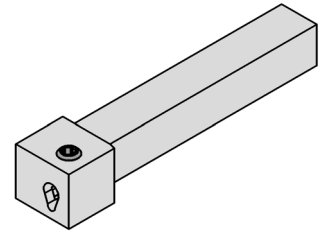
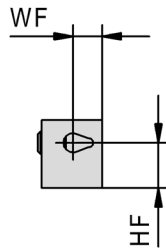
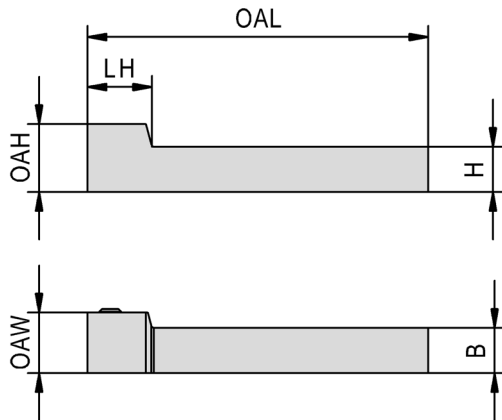
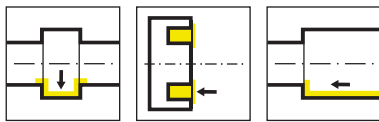
Artikelnummer Part number	DCONMS	H	OAL	CFL	CFS	Trennstelle W Interface W
BU105.0750.5.01	3/4"	17,05	90	70	5	10512395N • 10512495N • 10512595N
BU105.0750.5.3.01	3/4"	17,05	152,5	70	5	10512395N • 10512495N • 10512595N
BU105.1000.5.01	1"	23,4	90	65	5	10512395N • 10512495N • 10512595N
BU105.1000.5.3.01	1"	23,4	90	65	5	10512395N • 10512495N • 10512595N

Abmessungen in inch und mm
Dimensions in inch and mm

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
BU105...	6.075T15P	T15PQ



F1

L = links wie gezeichnet
L = left hand version shown

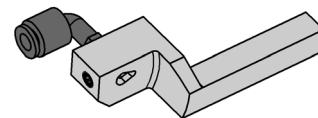
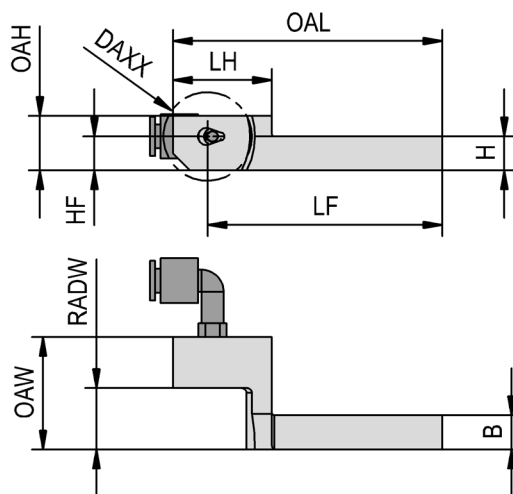
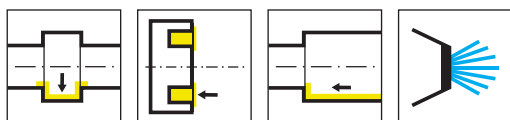
R = rechts spiegelbildlich
R = right hand version

Artikelnummer Part number	H	B	OAL	LH	OAW	OAH	WF	HF	Trennstelle W Interface W
RH105.0808.01	8	8	90	17	16	14	7,5	8	10512395N • 10512495N • 10512595N
RH105.1010.01	10	10	90	17	16	16	7,5	10	10512395N • 10512495N • 10512595N
RH105.1212.01	12	12	90	17	16	18	7,5	12	10512395N • 10512495N • 10512595N
RH105.1616.01	16	16	110	17	16	22	7,5	12	10512395N • 10512495N • 10512595N
LH105.0808.01	8	8	90	17	16	14	7,5	8	10512395N • 10512495N • 10512595N
LH105.1010.01	10	10	90	17	16	16	7,5	10	10512395N • 10512495N • 10512595N
LH105.1212.01	12	12	90	17	16	18	7,5	12	10512395N • 10512495N • 10512595N
LH105.1616.01	16	16	110	17	16	22	7,5	12	10512395N • 10512495N • 10512595N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LH105...	6.075T15P	T15PQ



L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

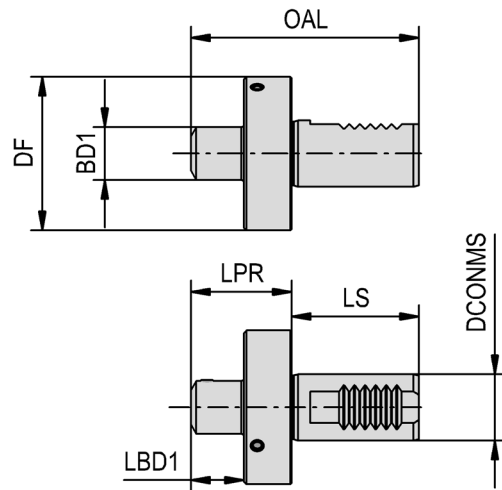
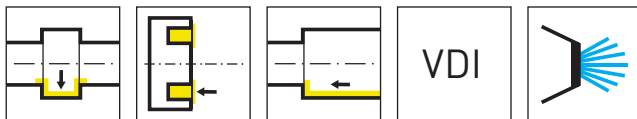
Artikelnummer Part number	H	B	OAL	LH	OAW	OAH	LF	HF	RADW	DAXX	Trennstelle W Interface W
RHC105.0808.21	8	8	99	29	32	13	89	8	18	26	10512395N • 10512495N • 10512595N
RHC105.1010.11	10	10	99	29	22,7	16	89	10	8	26	10512395N • 10512495N • 10512595N
RHC105.1010.21	10	10	99	29	38	16	89	10	18	26	10512395N • 10512495N • 10512595N
RHC105.1010.41	10	10	99	29	48	16	89	10	28	26	10512395N • 10512495N • 10512595N
RHC105.1212.21	12	12	99	29	38	18	89	12	18	26	10512395N • 10512495N • 10512595N
RHC105.1212.41	12	12	99	29	38	18	89	12	18	26	10512395N • 10512495N • 10512595N
RHC105.1616.21	16	16	104	34	38	22	89	16	18	26	10512395N • 10512495N • 10512595N
RHC105.1616.41	16	16	104	34	48	22	89	16	28	26	10512395N • 10512495N • 10512595N
LHC105.0808.21	8	8	99	29	32	13	89	8	18	26	10512395N • 10512495N • 10512595N
LHC105.1212.21	12	12	99	29	38	18	89	12	18	26	10512395N • 10512495N • 10512595N
LHC105.1616.21	16	16	104	34	38	22	89	16	18	26	10512395N • 10512495N • 10512595N

R/LHC105.07.../.08.../.1010.11 = ohne Kühlmittelzufuhr!
R/LHC105.07.../.08.../.1010.11 = no through coolant supply!

Ersatzteile

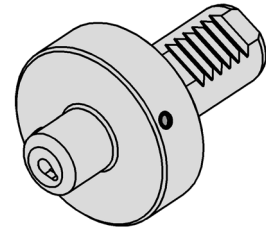
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LHC105...	6.075T15P	T15PQ



L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version



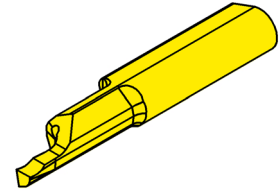
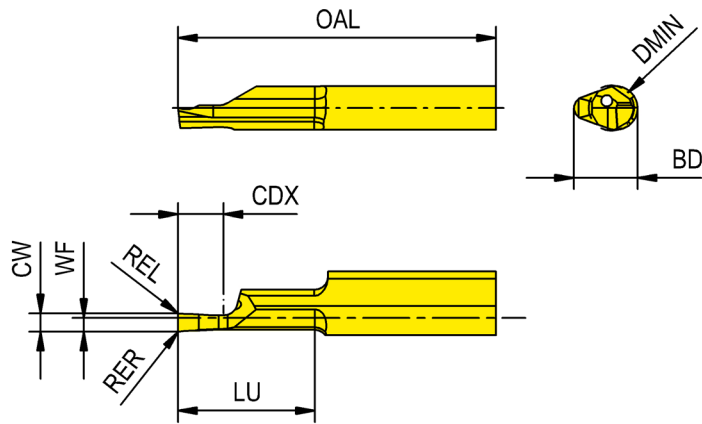
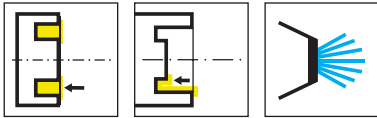
F1

Artikelnummer Part number	DCONMS	OAL	DF	LS	BD1	LBD1	LPR	Trennstelle W Interface W
VDI16.L105.20.01	16	70	40	32	20	20	38	10512395N • 10512495N • 10512595N
VDI16.R105.20.01	16	70	40	32	20	20	38	10512395N • 10512495N • 10512595N
VDI20.L105.20.01	20	70	50	40	20	20	38	10512395N • 10512495N • 10512595N
VDI20.R105.20.01	20	70	50	40	20	20	38	10512395N • 10512495N • 10512595N
VDI25.L105.20.01	25	86	58	48	20	20	38	10512395N • 10512495N • 10512595N
VDI25.R105.20.01	25	86	58	48	20	20	38	10512395N • 10512495N • 10512595N
VDI30.L105.20.01	30	93	68	55	20	20	38	10512395N • 10512495N • 10512595N
VDI30.R105.20.01	30	93	68	55	20	20	38	10512395N • 10512495N • 10512595N
VDI40.L105.20.01	40	101	68	63	20	20	38	10512395N • 10512495N • 10512595N
VDI40.R105.20.01	40	101	68	63	20	20	38	10512395N • 10512495N • 10512595N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
VDI16...	6.075T15P	T15PQ



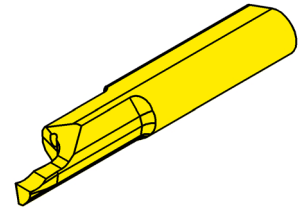
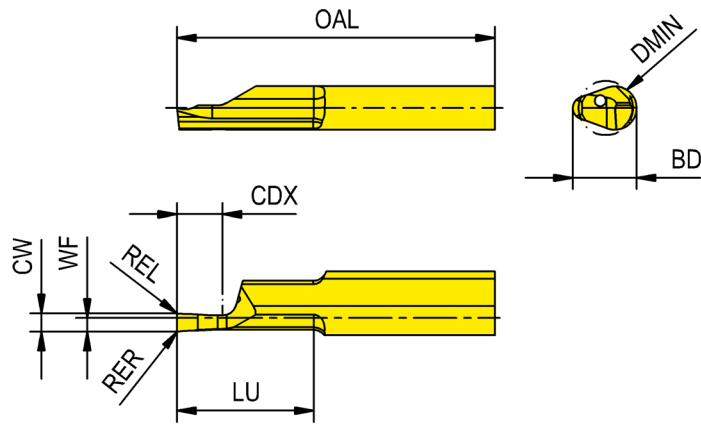
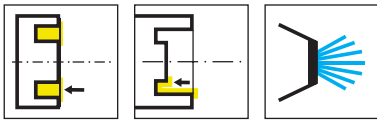
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R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	LU	REL	RER	WF	OAL	BD	Trennstelle M Interface M	EG35	ES15	T125
R105.0505.1.8	5	0,5	2	10	-	-	2	25	7	10512595N	▲	▲	
R105.0510.1.8	5	1	2	10	0,05	0,05	2	25	7	10512595N	▲		▲
R105.0515.1.8	5	1,5	2	10	0,05	0,05	2	25	7	10512595N	▲		▲
R105.0520.1.8	5	2	2	10	0,05	0,05	2	25	7	10512595N	▲		▲
R105.0510.2.8	5	1	2	15	0,05	0,05	2	35	7	10512595N	▲		▲
R105.0515.2.8	5	1,5	2	15	0,05	0,05	2	35	7	10512595N	▲		▲
R105.0520.2.8	5	2	2	15	0,05	0,05	2	35	7	10512595N	▲		▲
L105.0510.1.8	5	1	2	10	0,05	0,05	2	25	7	10512595N	▲		▲
L105.0515.1.8	5	1,5	2	10	0,05	0,05	2	25	7	10512595N	▲		▲
L105.0520.1.8	5	2	2	10	0,05	0,05	2	25	7	10512595N	▲		▲
L105.0510.2.8	5	1	2	15	0,05	0,05	2	35	7	10512595N	Δ		▲
L105.0515.2.8	5	1,5	2	15	0,05	0,05	2	35	7	10512595N	▲		▲
L105.0520.2.8	5	2	2	15	0,05	0,05	2	35	7	10512595N	▲		▲
P	●	●	●										
M	●	●	●										
K	●	-	-										
N	o	o	o										
S	-	o	-										
H	-	-	-										



F1

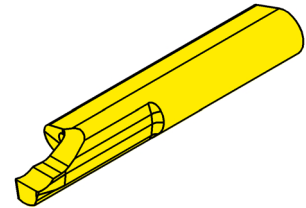
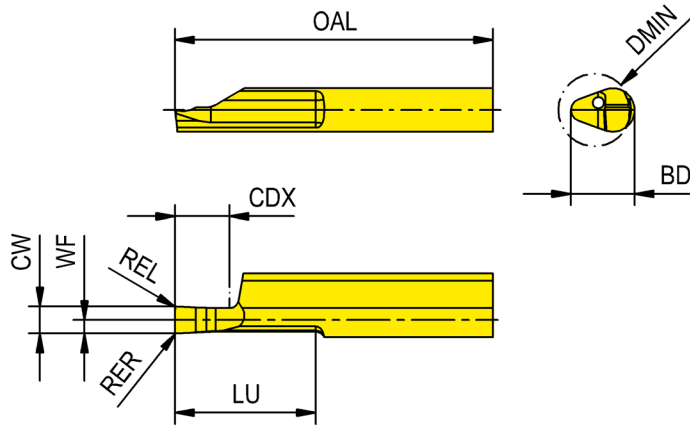
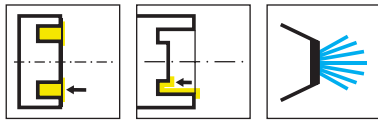
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	LU	REL	RER	WF	OAL	BD	Trennstelle M Interface M	EG35	T125
R105.0610.1.8	6	1	2	10	0,05	0,05	2	25	7	10512595N	▲	▲
R105.0615.1.8	6	1,5	3	10	0,05	0,05	2	25	7	10512595N	▲	▲
R105.0620.1.8	6	2	5	10	0,05	0,05	2	25	7	10512595N	▲	▲
R105.0610.2.8	6	1	2	15	0,05	0,05	2	35	7	10512595N	▲	▲
R105.0615.2.8	6	1,5	3	15	0,05	0,05	2	35	7	10512595N	▲	▲
R105.0620.2.8	6	2	5	15	0,05	0,05	2	35	7	10512595N	▲	▲
L105.0610.1.8	6	1	2	10	0,05	0,05	2	25	7	10512595N	▲	▲
L105.0615.1.8	6	1,5	3	10	0,05	0,05	2	25	7	10512595N	▲	▲
L105.0620.1.8	6	2	5	10	0,05	0,05	2	25	7	10512595N	▲	▲
L105.0610.2.8	6	1	2	15	0,05	0,05	2	35	7	10512595N	Δ	▲
L105.0615.2.8	6	1,5	3	15	0,05	0,05	2	35	7	10512595N	Δ	▲
L105.0620.2.8	6	2	5	15	0,05	0,05	2	35	7	10512595N	Δ	▲
P	●	●	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●	●	●
N	o	o	o	o	o	o	o	o	o	o	o	o
S	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-



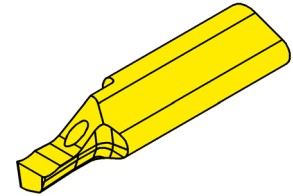
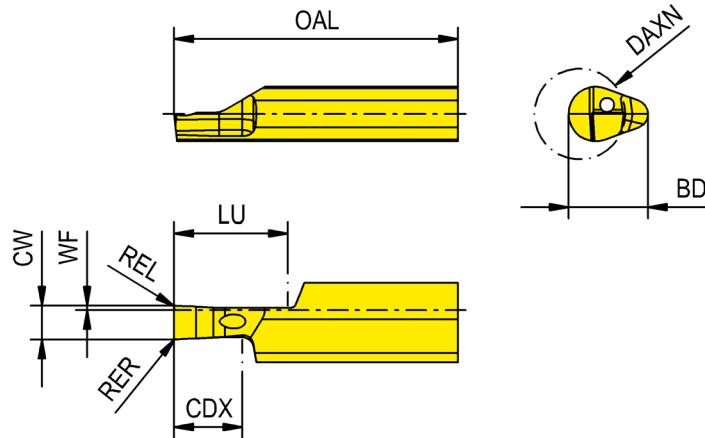
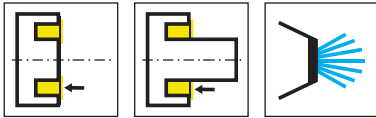
F1

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	LU	REL	RER	WF	OAL	BD	Trennstelle M Interface M	EG35	T125
R105.0810.1.8	8	1	2	10	0,15	0,15	2	25	7	10512595N	▲	▲
R105.0815.1.8	8	1,5	3	10	0,15	0,15	2	25	7	10512595N	▲	▲
R105.0820.1.8	8	2	4	10	0,15	0,15	2	25	7	10512595N	▲	▲
R105.0825.1.8	8	2,5	5	10	0,15	0,15	2	25	7	10512595N	▲	▲
R105.0830.1.8	8	3	6	10	0,15	0,15	2	25	7	10512595N	▲	▲
R105.0810.2.8	8	1	2	15	0,15	0,15	2	35	7	10512595N	▲	▲
R105.0815.2.8	8	1,5	3	15	0,15	0,15	2	35	7	10512595N	▲	▲
R105.0820.2.8	8	2	4	15	0,15	0,15	2	35	7	10512595N	▲	▲
R105.0825.2.8	8	2,5	5	15	0,15	0,15	2	35	7	10512595N	▲	▲
R105.0830.2.8	8	3	6	15	0,15	0,15	2	35	7	10512595N	▲	▲
L105.0810.1.8	8	1	2	10	0,15	0,15	2	25	7	10512595N	▲	▲
L105.0815.1.8	8	1,5	3	10	0,15	0,15	2	25	7	10512595N	▲	▲
L105.0820.1.8	8	2	4	10	0,15	0,15	2	25	7	10512595N	▲	▲
L105.0825.1.8	8	2,5	5	10	0,15	0,15	2	25	7	10512595N	▲	▲
L105.0830.1.8	8	3	6	10	0,15	0,15	2	25	7	10512595N	▲	▲
L105.0810.2.8	8	1	2	15	0,15	0,15	2	35	7	10512595N	▲	▲
L105.0815.2.8	8	1,5	3	15	0,15	0,15	2	35	7	10512595N	▲	▲
L105.0820.2.8	8	2	4	15	0,15	0,15	2	35	7	10512595N	▲	▲
L105.0825.2.8	8	2,5	5	15	0,15	0,15	2	35	7	10512595N	▲	▲
L105.0830.2.8	8	3	6	15	0,15	0,15	2	35	7	10512595N	▲	▲
P	●	●										
M	●	●										
K	●	-										
N	o	●										
S	-	-										
H	-	-										



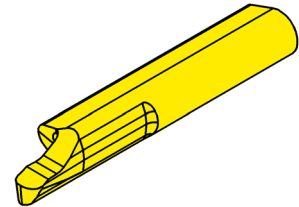
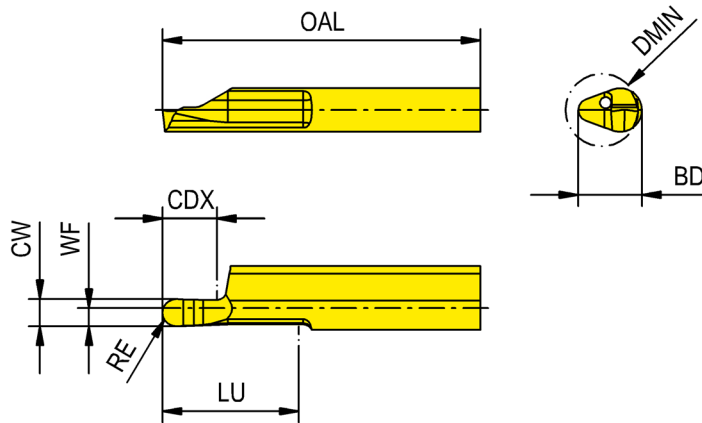
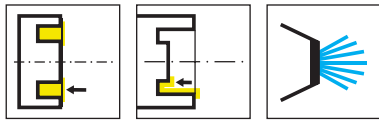
F1

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DAXN	CW	CDX	LU	REL	RER	WF	OAL	BD	Trennstelle M Interface M	EG35	T125
R105.0810.1.9	8	1	2	10	0,15	0,15	0,6	25	7	10512595N	▲	▲
R105.0815.1.9	8	1,5	3	10	0,15	0,15	1,1	25	7	10512595N	▲	▲
R105.0820.1.9	8	2	4	10	0,15	0,15	1,6	25	7	10512595N	▲	▲
R105.0825.1.9	8	2,5	5	10	0,15	0,15	2,1	25	7	10512595N	▲	▲
R105.0830.1.9	8	3	6	10	0,15	0,15	2,6	25	7	10512595N	▲	▲
L105.0810.1.9	8	1	2	10	0,15	0,15	0,6	25	7	10512595N	▲	▲
L105.0815.1.9	8	1,5	3	10	0,15	0,15	1,1	25	7	10512595N	▲	▲
L105.0820.1.9	8	2	4	10	0,15	0,15	1,6	25	7	10512595N	▲	▲
L105.0825.1.9	8	2,5	5	10	0,15	0,15	2,1	25	7	10512595N	▲	▲
L105.0830.1.9	8	3	6	10	0,15	0,15	2,6	25	7	10512595N	▲	▲
											P	●
											M	●
											K	●
											N	o
											S	-
											H	-



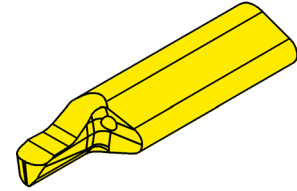
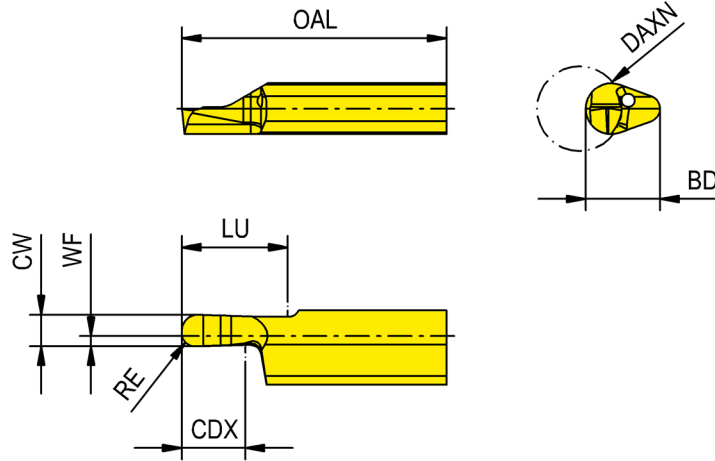
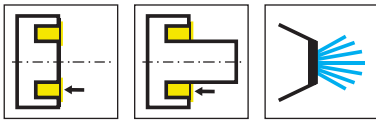
F1

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L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	RE	LU	WF	OAL	BD	Trennstelle M Interface M	EG35	T125
R105.8V10.1.8	8	1	2	0,5	10	2	25	7	10512595N	▲	▲
R105.8V16.1.8	8	1,6	3	0,8	10	2	25	7	10512595N	▲	▲
R105.8V20.1.8	8	2	4	1	10	2	25	7	10512595N	▲	▲
R105.8V25.1.8	8	2,5	5	1,25	10	2	25	7	10512595N	▲	▲
R105.8V30.1.8	8	3	6	1,5	10	2	25	7	10512595N	▲	▲
R105.8V10.2.8	8	1	2	0,5	15	2	35	7	10512595N	▲	▲
R105.8V16.2.8	8	1,6	3	0,8	15	2	35	7	10512595N	▲	▲
R105.8V20.2.8	8	2	4	1	15	2	35	7	10512595N	▲	▲
R105.8V25.2.8	8	2,5	5	1,25	15	2	35	7	10512595N	▲	▲
R105.8V30.2.8	8	3	6	1,5	15	2	35	7	10512595N	▲	▲
L105.8V10.1.8	8	1	2	0,5	10	2	25	7	10512595N	▲	▲
L105.8V16.1.8	8	1,6	3	0,8	10	2	25	7	10512595N	▲	▲
L105.8V20.1.8	8	2	4	1	10	2	25	7	10512595N	▲	▲
L105.8V25.1.8	8	2,5	5	1,25	10	2	25	7	10512595N	Δ	▲
L105.8V30.1.8	8	3	6	1,5	10	2	25	7	10512595N	▲	▲
L105.8V10.2.8	8	1	2	0,5	15	2	35	7	10512595N	Δ	▲
L105.8V16.2.8	8	1,6	3	0,8	15	2	35	7	10512595N	Δ	▲
L105.8V20.2.8	8	2	4	1	15	2	35	7	10512595N	▲	▲
L105.8V25.2.8	8	2,5	5	1,25	15	2	35	7	10512595N	Δ	Δ
L105.8V30.2.8	8	3	6	1,5	15	2	35	7	10512595N	Δ	▲
										P	●
										M	●
										K	●
										N	○
										S	-
										H	-



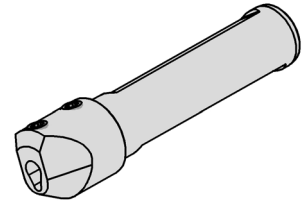
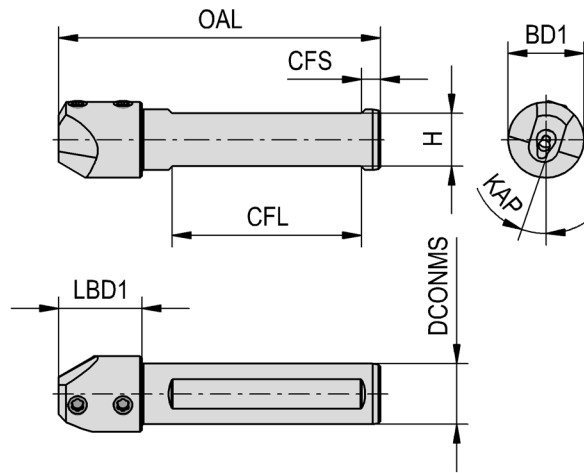
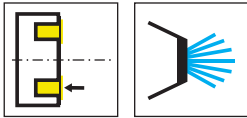
F1

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DAXN	CW	CDX	RE	LU	WF	OAL	BD	Trennstelle M Interface M	EG35
R105.8V10.1.9	8	1	2	0,5	10	0,4	25	7	10512595N	▲
R105.8V16.1.9	8	1,6	3	0,8	10	0,4	25	7	10512595N	▲
R105.8V20.1.9	8	2	4	1	10	0,4	25	7	10512595N	▲
R105.8V25.1.9	8	2,5	5	1,25	10	0,4	25	7	10512595N	▲
R105.8V30.1.9	8	3	6	1,5	10	1	25	7	10512595N	▲
L105.8V10.1.9	8	1	2	0,5	10	0,4	25	7	10512595N	▲
L105.8V16.1.9	8	1,6	3	0,8	10	0,4	25	7	10512595N	▲
L105.8V20.1.9	8	2	4	1	10	0,4	25	7	10512595N	▲
L105.8V25.1.9	8	2,5	5	1,25	10	0,4	25	7	10512595N	▲
L105.8V30.1.9	8	3	6	1,5	10	1	25	7	10512595N	▲
										P ●
										M ●
										K ●
										N o
										S -
										H -



L = links wie gezeichnet
L = left hand version shown

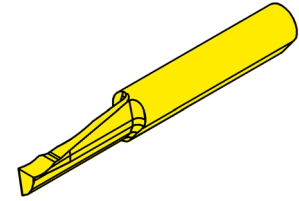
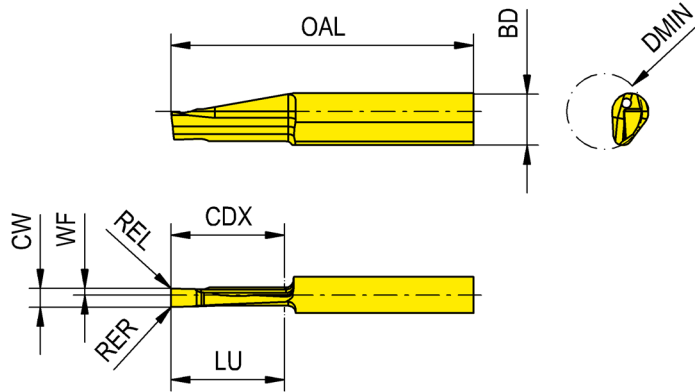
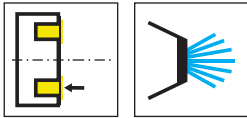
R = rechts spiegelbildlich
R = right hand version

Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	CFL	CFS	KAP	Trennstelle W Interface W
RB105.0016.12.2	16	14	85	20	22	50	5	17°	10522595R17
RB105.0020.12.2	20	18	100	20	-	55	5	17°	10522595R17
LB105.0016.12.2	16	14	85	20	22	50	5	17°	10522595L17
LB105.0020.12.2	20	18	100	20	-	55	5	17°	10522595L17

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB105...	6.075T15P	T15PQ



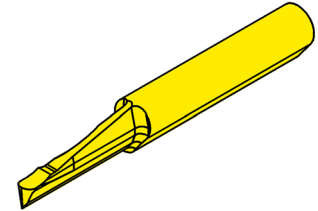
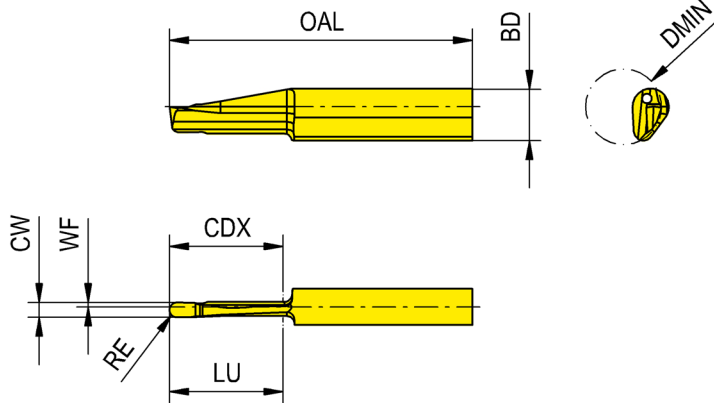
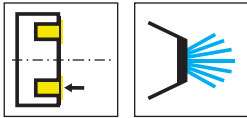
F1

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	LU	REL	RER	WF	OAL	BD	Trennstelle M Interface M	EG35	T125
RA105.1020.2.2	10	2	15	15	0,1	0,1	1,4	40	7	10522595R17	▲	▲
RA105.1025.2.2	10	2,5	15	15	0,1	0,1	1,6	40	7	10522595R17	▲	▲
RA105.1030.2.2	10	3	15	15	0,1	0,1	1,9	40	7	10522595R17	▲	▲
LA105.1020.2.2	10	2	15	15	0,1	0,1	1,4	40	7	10522595L17	▲	▲
LA105.1025.2.2	10	2,5	15	15	0,1	0,1	1,6	40	7	10522595L17	▲	▲
LA105.1030.2.2	10	3	15	15	0,1	0,1	1,9	40	7	10522595L17	▲	▲
Axialstechen ins Volle bei voller Stechtiefe nur bei Da min 10 - 40 mm möglich! Face grooving with full width of the full depth only possible between Da min 10 - 40 mm!											P	● ●
											M	● ●
											K	● -
											N	o ●
											S	- -
											H	- -



R = rechts wie gezeichnet
R = right hand version shown

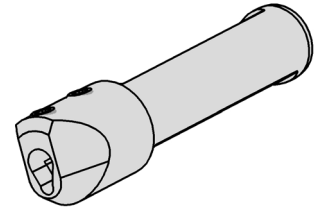
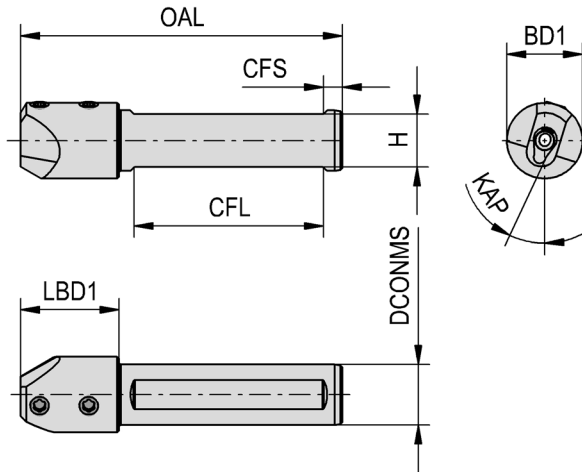
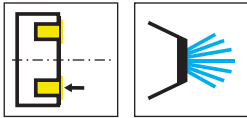
L = links spiegelbildlich
L = left hand version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	RE	LU	WF	OAL	BD	Trennstelle M Interface M	EG35	T125
RA105.1020.10.2.2	10	2	15	1	15	1,4	40	7	10522595R17	▲	▲
RA105.1025.12.2.2	10	2,5	15	1,25	15	1,6	40	7	10522595R17	Δ	▲
RA105.1030.15.2.2	10	3	15	1,5	15	1,9	40	7	10522595R17	▲	▲
LA105.1020.10.2.2	10	2	15	1	15	1,4	40	7	10522595L17	Δ	▲
LA105.1025.12.2.2	10	2,5	15	1,25	15	1,6	40	7	10522595L17	Δ	Δ
LA105.1030.15.2.2	10	3	15	1,5	15	1,9	40	7	10522595L17	Δ	▲

Axialstechen ins Volle bei voller Stechtiefe nur bei Da min 10 - 40 mm möglich!
Face grooving with full width of the full depth only possible between Da min 10 - 40 mm!

P	●	●
M	●	●
K	●	-
N	○	●
S	-	-
H	-	-



F1

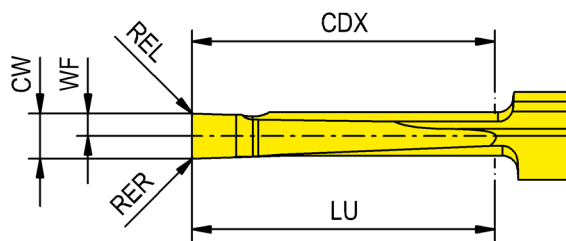
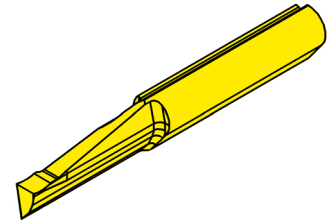
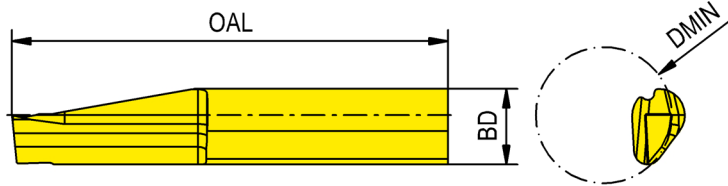
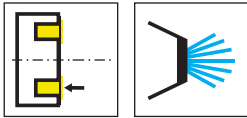
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	CFL	CFS	KAP	Trennstelle W Interface W
RB109.0016.14.2	16	14	85	20	26	50	5	17°	10924095R17
LB109.0016.14.2	16	14	85	20	26	50	5	17°	10924095L17

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB109.0016.14.2	6.075T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

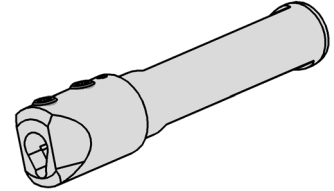
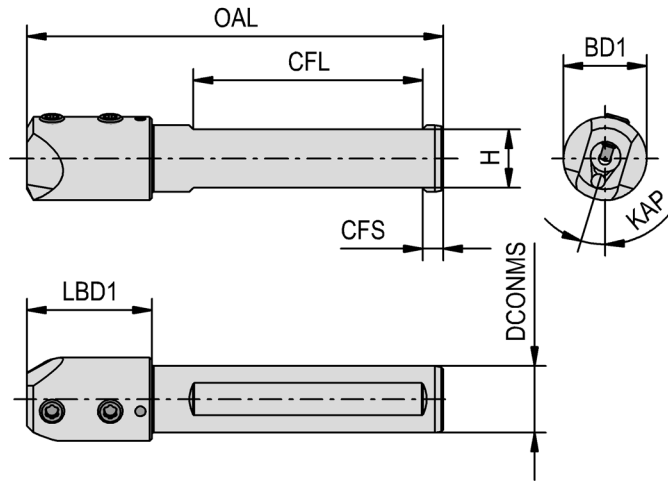
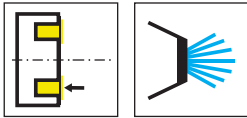
L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	LU	REL	RER	WF	OAL	BD	Trennstelle M Interface M	T125
RA109.1520.3.2	15	2	20	20	0,1	0,1	1	48	8,3	10924095R17	▲
RA109.1525.3.2	15	2,5	20	20	0,1	0,1	1,25	48	8,3	10924095R17	▲
RA109.1530.3.2	15	3	20	20	0,1	0,1	1,5	48	8,3	10924095R17	▲
LA109.1520.3.2	15	2	20	20	0,1	0,1	1	48	8,3	10924095L17	Δ
LA109.1525.3.2	15	2,5	20	20	0,1	0,1	1,25	48	8,3	10924095L17	Δ
LA109.1530.3.2	15	3	20	20	0,1	0,1	1,5	48	8,3	10924095L17	▲

Axialstechen ins Volle bei voller Stechtiefe nur bei Da min 15 - 40 mm möglich!
Face grooving with full width of the full depth only possible between Da min 15 - 40 mm!

P	●
M	●
K	-
N	●
S	-
H	-



F1

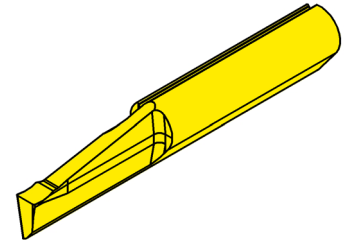
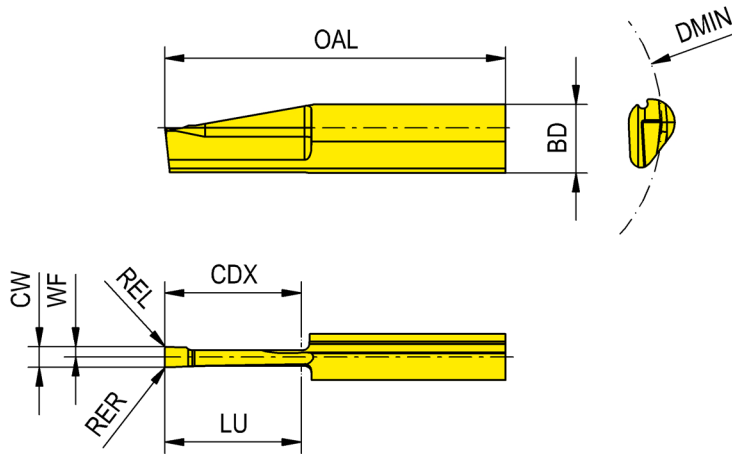
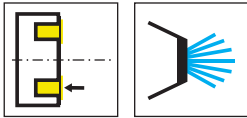
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	CFL	CFS	KAP	Trennstelle W Interface W
RB110.0016.16.2	16	14	100	20	30	55	5	17°	11026095R17
RB110.0020.16.2	20	18	100	20	-	55	5	17°	11026095R17
LB110.0016.16.2	16	14	100	20	30	55	5	17°	11026095L17
LB110.0020.16.2	20	18	100	20	-	55	5	17°	11026095L17

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB110...	6.075T15P	T15PQ



F1

R = rechts wie gezeichnet
R = right hand version shown

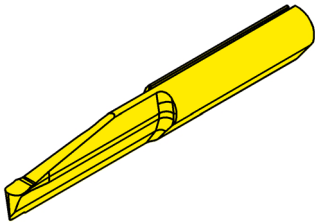
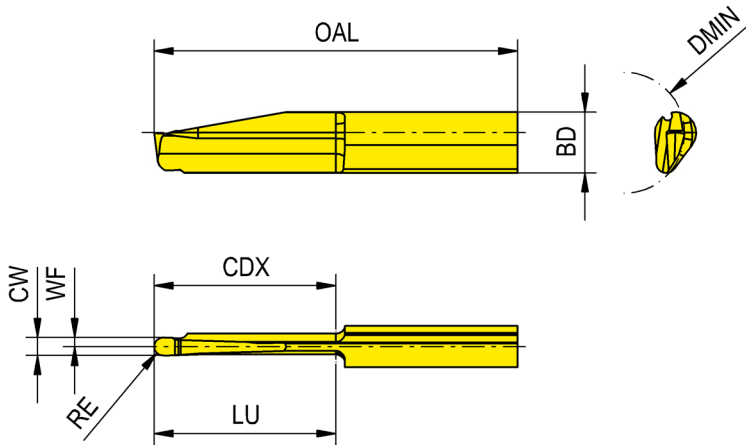
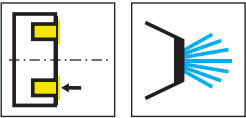
L = links spiegelbildlich
L = left hand version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	LU	REL	RER	WF	OAL	BD	Trennstelle M Interface M	EG35	TH35	TI25	TN35
RA110.2030.3.0	20	3	20	20	0,2	0,2	1,5	50	6,8	11026095R17	▲	▲	▲	▲
RA110.2030.5.0	20	3	20	30	0,2	0,2	1,5	60	6,8	11026095R17	▲	▲	▲	▲
RA110.5030.3.0	50	3	20	20	0,2	0,2	1,5	50	6,8	11026095R17	▲	▲	▲	▲
RA110.5030.5.0	50	3	20	30	0,2	0,2	1,5	60	6,8	11026095R17	▲	▲	▲	▲
LA110.2030.3.0	20	3	20	20	0,2	0,2	1,5	50	6,8	11026095L17	▲	▲	▲	▲
LA110.2030.5.0	20	3	20	30	0,2	0,2	1,5	60	6,8	11026095L17	▲	▲	▲	▲
LA110.5030.3.0	50	3	20	20	0,2	0,2	1,5	50	6,8	11026095L17	▲	▲	▲	▲
LA110.5030.5.0	50	3	20	30	0,2	0,2	1,5	60	6,8	11026095L17	▲	▲	▲	▲

Axialstechen ins Volle bei voller Stechtiefe nur bei Da min 20 - 50 mm möglich!
Face grooving with full width of the full depth only possible between Da min 20 - 50 mm.

P	●	●	●	●
M	●	●	●	-
K	●	-	-	●
N	o	-	●	-
S	-	-	-	-
H	-	-	-	-



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

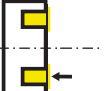
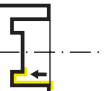
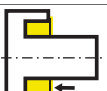
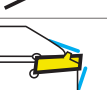
Artikelnummer Part number	DMIN	CW	CDX	RE	LU	WF	OAL	BD	Trennstelle M Interface M	EG35	TN35
RA110.2030.15.5.0	20	3	30	1,5	30	1,5	60	10	11026095R17	▲	▲
LA110.2030.15.5.0	20	3	30	1,5	30	1,5	60	10	11026095L17	▲	▲

Axialstechen ins Volle bei voller Stechtiefe nur bei Da min 20 - 50 mm möglich!
Face grooving with full width of the full depth only possible between Da min 20 - 50 mm.

P	●	●
M	●	-
K	●	●
N	o	-
S	-	-
H	-	-

F1

Kapitel Chapter	F									
	F1			F2	F3	F4	F5	F6	F7	F8
System System	105	109	110	114	15A 25A	224	229	231	312	315

CW	0,5-3	2-3	3	1-3	2-4	3-6	4-6	3-10	1,5-5	1,5-3
CDX	>2	20	30	>1,5	>12	14	10-25	8	2-3,5	1,6-2
DAXN	>5	15	>20	>12	>15	>38	>65	40	30	>8
DAXX	46			36	80	1000	1000			
	•	•	•	•	•	•	•	•	•	•
	•	○	○	•	•	•	•			
	•	○	○	•	•	•	•			
	•			•	•	•	•			
	•	•	•		•	•	•			
				•	•	•	•			

F2

114

F2



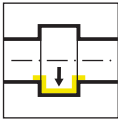
Stechbreite 1 - 3 mm

Width of groove 1 - 3 mm

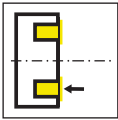
Inhaltsangabe

Summary

Klemmhalter
Toolholder
B114/BA114/HC114

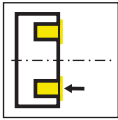


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603-604



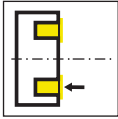
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114

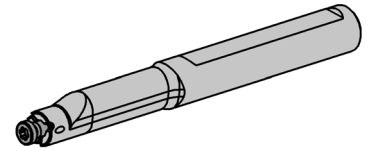
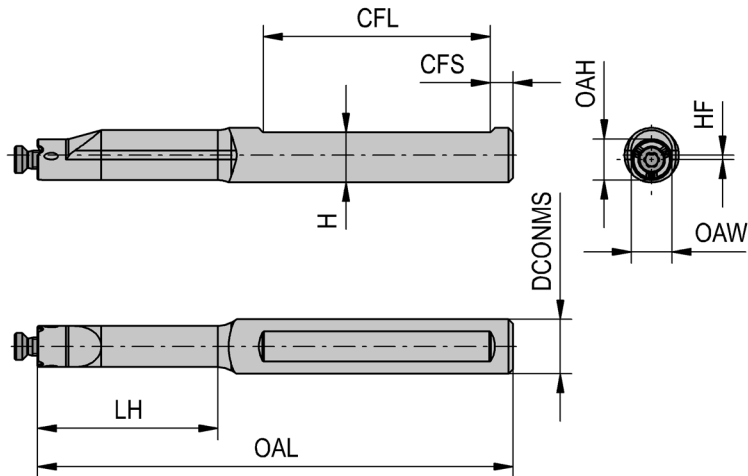
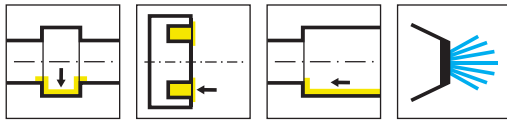


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607, 610

Schneidplatte
Insert
114



Seite/Page
608-609, 611-615

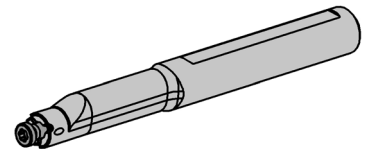
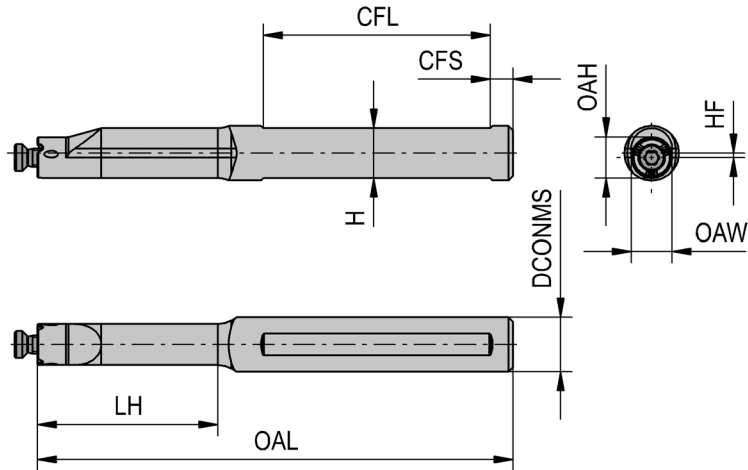
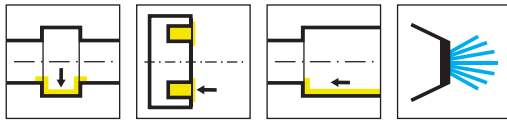


F2

Artikelnummer Part number	DCONMS	LH	OAL	CFL	H	CFS	OAH	OAW	HF	Trennstelle W Interface W
B114.0012.00	12	14,2	69,7	40	11	5	11	9	1	11409084N
B114.0012.01	12	28,7	94,7	50	11	5	11	9	1	11409084N
B114.0012.02	12	39,7	104,7	50	11	5	11	9	1	11409084N
B114.0012.03	12	58,7	124,7	50	11	5	11	9	1	11409084N
B114.0016.00	16	14,2	74,7	40	15	5	11	9	1	11409084N
B114.0016.01	16	28,7	94,7	50	15	5	11	9	1	11409084N
B114.0016.02	16	39,7	104,7	50	15	5	11	9	1	11409084N
B114.0016.03	16	58,7	124,7	50	15	5	11	9	1	11409084N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B114...	4.12T15EP	T15PQ



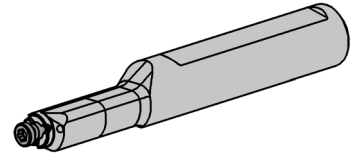
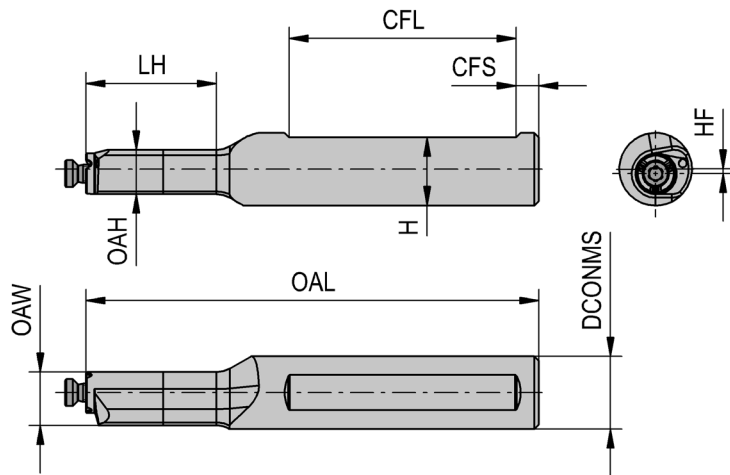
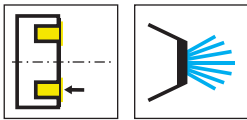
F2

Artikelnummer Part number	DCONMS	LH	OAL	CFL	H	CFS	OAH	OAW	HF	Trennstelle W Interface W
B114.0012.2.00	12	14,2	69,7	40	11	5	11	9	1	11409084N
B114.0012.2.01	12	28,7	94,7	50	11	5	11	9	1	11409084N
B114.0012.2.02	12	39,7	104,7	50	11	5	11	9	1	11409084N
B114.0012.2.03	12	58,7	124,7	50	11	5	11	9	1	11409084N
B114.0016.2.00	16	14,2	74,7	40	14	5	11	9	1	11409084N
B114.0016.2.01	16	28,7	94,7	50	14	5	11	9	1	11409084N
B114.0016.2.02	16	39,7	104,7	50	14	5	11	9	1	11409084N
B114.0016.2.03	16	58,7	124,7	50	14	5	11	9	1	11409084N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B114...	4.12T15EP	T15PQ



F2

R = rechts wie gezeichnet
R = right hand version shown

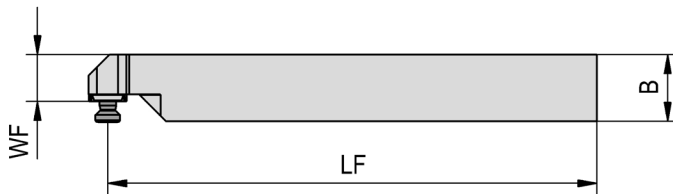
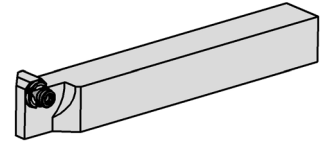
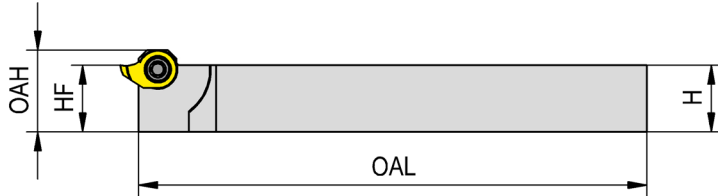
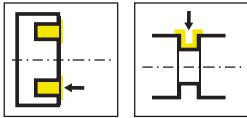
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	LH	OAL	CFL	H	CFS	OAH	OAW	HF	Trennstelle W Interface W
RBA114.0016.01	16	28,7	99,7	50	15	5	9,76	11,75	1	11409084N
RBA114.0016.02	16	39,7	109,7	50	15	5	9,76	11,75	1	11409084N
LBA114.0016.01	16	28,7	99,7	50	15	5	9,76	11,75	1	11409084N
LBA114.0016.02	16	39,7	109,7	50	15	5	9,76	11,75	1	11409084N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LBA114...	4.12T15EP	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

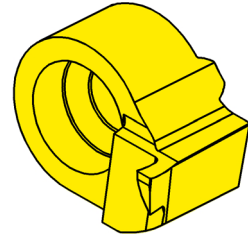
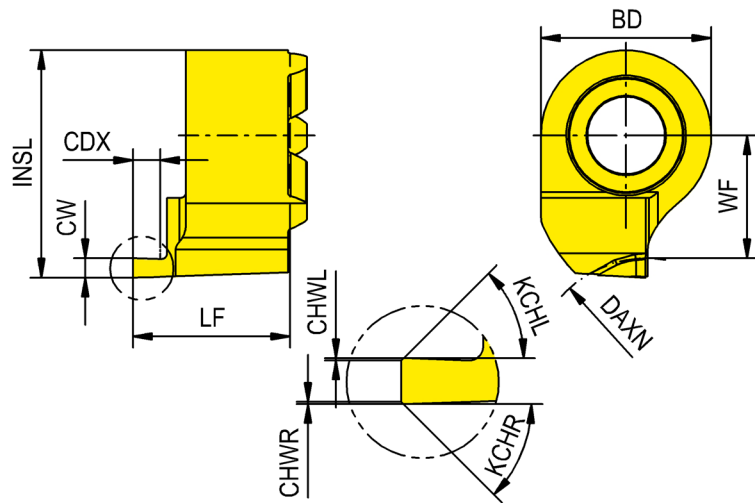
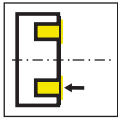
Artikelnummer Part number	OAL	B	H	OAH	LF	WF	HF	Trennstelle W Interface W
RHC114.1212.01	122,1	12	12	15,6	117,5	11,2	12	11409084N
RHC114.1616.01	122,1	16	16	19,6	117,5	11,2	16	11409084N
RHC114.2020.01	122,1	20	20	23,6	117,5	15,2	20	11409084N
RHC114.2525.01	147,1	25	25	28,6	142,5	20,2	25	11409084N
LHC114.1212.01	122,1	12	12	15,6	117,5	11,2	12	11409084N
LHC114.1616.01	122,1	16	16	19,6	117,5	11,2	16	11409084N
LHC114.2020.01	122,1	20	20	23,6	117,5	15,2	20	11409084N
LHC114.2525.01	147,1	25	25	28,6	142,5	20,2	25	11409084N

Rechte Klemmhalter verwendbar für linke Schneidplatten. Linke Klemmhalter verwendbar für rechte Schneidplatten.
Right hand toolholders use left hand inserts. Left hand toolholders use right hand inserts.

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LHC114...	4.12T15EP	T15PQ



Sorten

Grades

▲ ab Lager

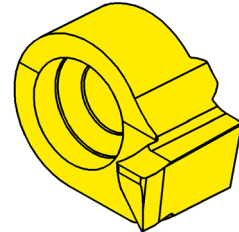
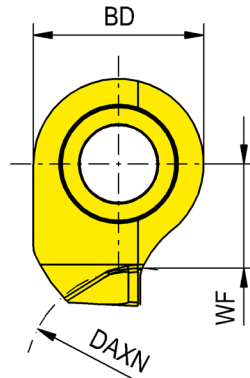
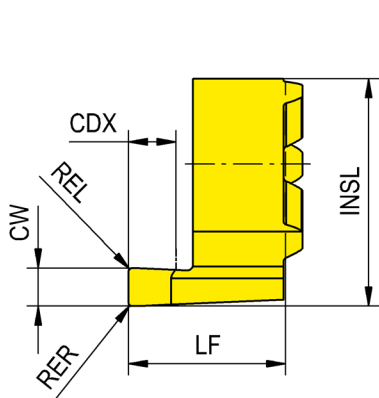
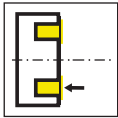
Δ 4 Wochen

▲ on stock

Δ 4 weeks

F2

Artikelnummer Part number	DAXN	CW	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TN35
R114.1205.00	12	0,51	1	-	-	-	-	8,3	6,98	9	12	11409084N	Δ	▲
R114.1210.00	12	1,01	1,5	0,05	45°	0,05	45°	8,3	6,48	9	12	11409084N	▲	▲
L114.1205.00	12	0,51	1	-	-	-	-	8,3	6,98	9	12	11409084N	Δ	▲
L114.1210.00	12	1,01	1,5	0,05	45°	0,05	45°	8,3	6,48	9	12	11409084N	▲	▲
													P	●
													M	●
													K	●
													N	-
													S	-
													H	-



F2

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

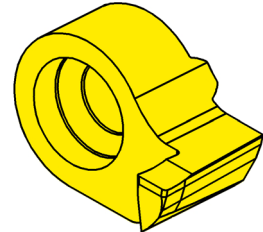
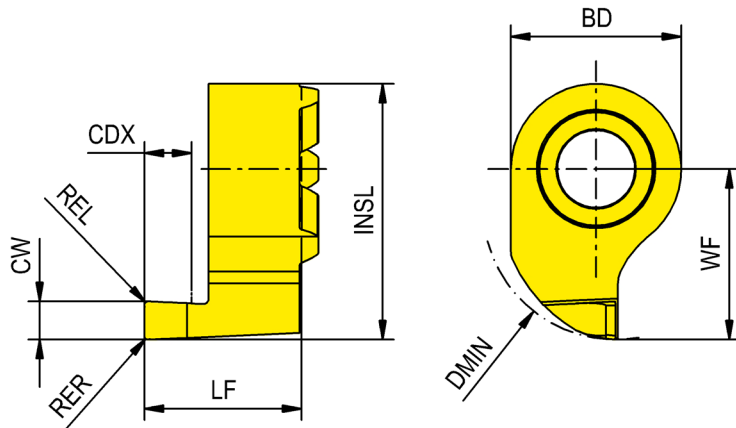
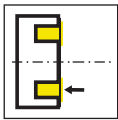
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DAXN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TN35
R114.1215.00	12	1,51	2,5	0,2	0,2	8,3	5,98	9	12	11409084N	▲	▲
R114.1220.00	12	2,01	3	0,2	0,2	8,3	5,48	9	12	11409084N	▲	▲
R114.1225.00	12	2,51	3	0,2	0,2	8,3	4,98	9	12	11409084N	▲	▲
R114.1230.00	12	3,01	3	0,2	0,2	8,3	4,48	9	12	11409084N	▲	▲
R114.1220.5.00	12	2,01	5	0,2	0,2	10,8	5,48	9	12	11409084N	▲	▲
R114.1225.5.00	12	2,51	5	0,2	0,2	10,8	4,98	9	12	11409084N	▲	▲
R114.1230.6.00	12	3,01	5	0,2	0,2	10,8	4,48	9	12	11409084N	▲	▲
L114.1215.00	12	1,51	2,5	0,2	0,2	8,3	5,98	9	12	11409084N	▲	▲
L114.1220.00	12	2,01	3	0,2	0,2	8,3	5,48	9	12	11409084N	▲	▲
L114.1225.00	12	2,51	3	0,2	0,2	8,3	4,98	9	12	11409084N	▲	▲
L114.1230.00	12	3,01	3	0,2	0,2	8,3	4,48	9	12	11409084N	▲	▲
L114.1220.5.00	12	2,01	5	0,2	0,2	10,8	5,48	9	12	11409084N	▲	▲
L114.1225.5.00	12	2,51	5	0,2	0,2	10,8	4,98	9	12	11409084N	▲	▲
L114.1230.6.00	12	3,01	5	0,2	0,2	10,8	4,48	9	12	11409084N	▲	▲

Bearbeitung **HINTER** der Drehmitte!
Machining **BEHIND** centre line

Ausführung R = Spindel linksdrehend!
R = rotation anti-clockwise!

P	●	●
M	●	-
K	●	●
N	-	-
S	-	-
H	-	-



F2

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

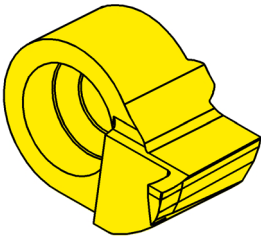
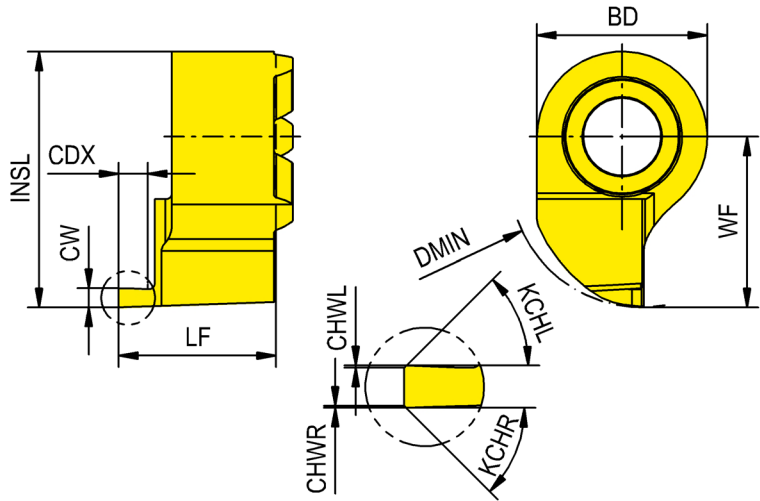
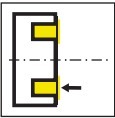
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TN35
R114.1415.00	14	1,51	2,5	0,2	0,2	8,3	9	9	13,5	11409084N	▲	▲
R114.1420.00	14	2,01	3	0,2	0,2	8,3	9	9	13,5	11409084N	▲	▲
R114.1425.00	14	2,01	3	0,2	0,2	8,3	9	9	13,5	11409084N	▲	▲
R114.1430.00	14	3,01	3	0,2	0,2	8,3	9	9	13,5	11409084N	▲	▲
R114.1420.5.00	14	2,01	5	0,2	0,2	10,8	9	9	13,5	11409084N	▲	▲
R114.1425.5.00	14	2,01	5	0,2	0,2	10,8	9	9	13,5	11409084N	▲	▲
R114.1430.6.00	14	3,01	5	0,2	0,2	10,8	9	9	13,5	11409084N	▲	▲
L114.1415.00	14	1,51	2,5	0,2	0,2	8,3	9	9	13,5	11409084N	▲	▲
L114.1420.00	14	2,01	3	0,2	0,2	8,3	9	9	13,5	11409084N	▲	▲
L114.1425.00	14	2,01	3	0,2	0,2	8,3	9	9	13,5	11409084N	▲	▲
L114.1430.00	14	3,01	3	0,2	0,2	8,3	9	9	13,5	11409084N	▲	▲
L114.1420.5.00	14	2,01	5	0,2	0,2	10,8	9	9	13,5	11409084N	▲	▲
L114.1425.5.00	14	2,01	5	0,2	0,2	10,8	9	9	13,5	11409084N	▲	▲
L114.1430.6.00	14	3,01	5	0,2	0,2	10,8	9	9	13,5	11409084N	▲	▲

Bearbeitung **VOR** der Drehmitte!
Machining IN-FRONT of centre line

Ausführung R = Spindel rechtsdrehend!
R = rotation clockwise!

P	●	●
M	●	-
K	●	●
N	-	-
S	-	-
H	-	-

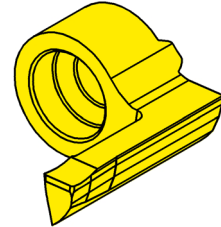
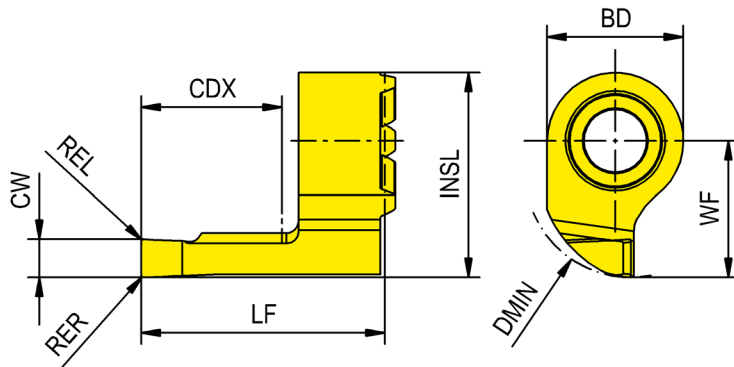
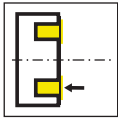


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten	
Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TN35
R114.1410.00	14	1,01	1,5	0,05	45°	0,05	45°	8,3	9	9	13,5	11409084N	▲	▲
L114.1410.00	14	1,01	1,5	0,05	45°	0,05	45°	8,3	9	9	13,5	11409084N	▲	▲
													P	●
													M	●
													K	●
													N	-
													S	-
													H	-



F2

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

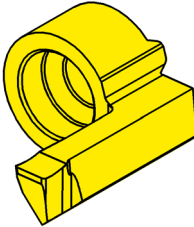
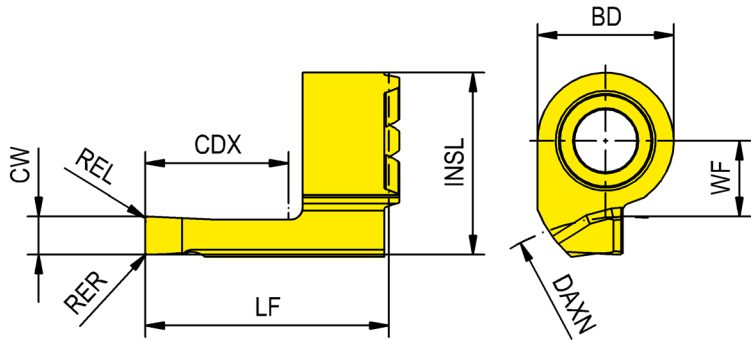
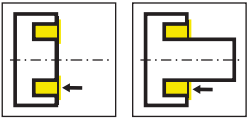
Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R114.1420.10.00	14	3,01	10	0,2	0,2	15,9	4,5	9	12	11409084N	▲
R114.1425.10.00	14	2,51	10	0,2	0,2	15,9	9	9	13,5	11409084N	▲
R114.1430.10.00	14	3,01	10	0,2	0,2	15,9	9	9	13,5	11409084N	▲
											P ●
											M ●
											K ●
											N -
											S -
											H -

Bearbeitung **VOR** der Drehmitte!
Machining IN-FRONT of centre line

Ausführung R = Spindel rechtsdrehend!
R = rotation clockwise!

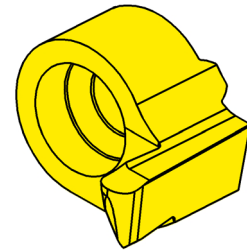
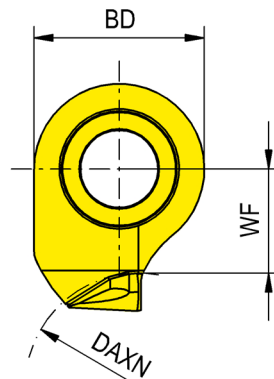
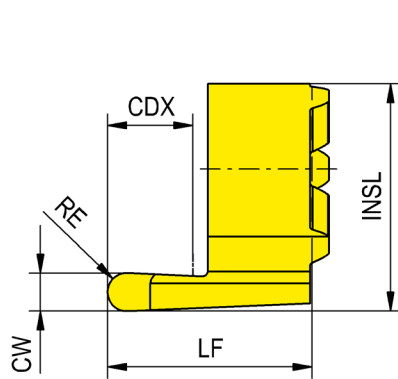
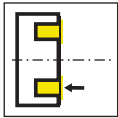


F2

R = rechts wie gezeichnet
R = right hand version shown

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	DAXN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG35
R114.1420.10.00.L	14	2,01	10	0,2	0,2	15,9	5,5	9	12	11409084N	▲
R114.1425.10.00.L	14	2,51	10	0,2	0,2	15,9	5	9	12	11409084N	▲
R114.1430.10.00.L	14	3,01	10	0,2	0,2	15,9	4,5	9	12	11409084N	▲
Bearbeitung HINTER der Drehmitte! Machining BEHIND centre line											P ●
Ausführung R = Spindel linksdrehend! R = rotation anti-clockwise!											M ●
											K ●
											N o
											S -
											H -



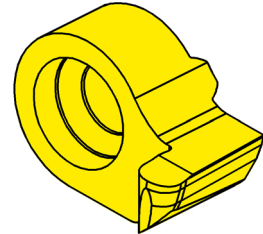
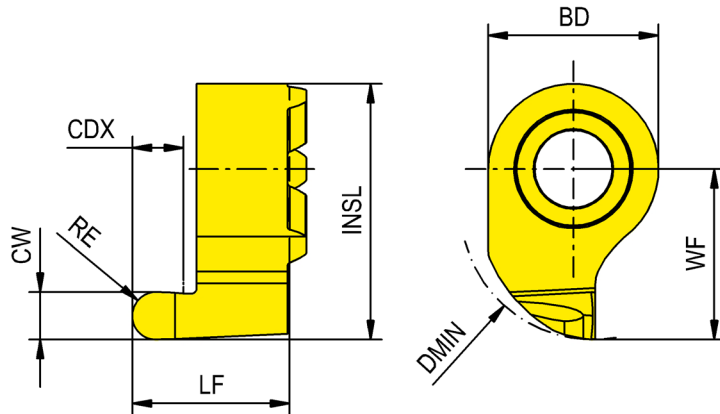
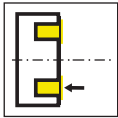
F2

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DAXN	CW	RE	CDX	LF	WF	BD	INSL	Trennstelle M Interface M		EG55	TN35
R114.1220.5.10	12	2,01	1	5	10,8	5,48	9	12	11409084N		▲	▲
R114.1225.5.12	12	2,51	1,25	5	10,8	4,98	9	12	11409084N		▲	▲
R114.1230.6.15	12	3,01	1,5	6	11,8	4,48	9	12	11409084N		▲	▲
L114.1220.5.10	12	2,01	1	5	10,8	5,48	9	12	11409084N		▲	▲
L114.1225.5.12	12	2,51	1,25	5	10,8	4,98	9	12	11409084N		▲	▲
L114.1230.6.15	12	3,01	1,5	6	11,8	4,48	9	12	11409084N		▲	▲
Bearbeitung HINTER der Drehmitte! Machining BEHIND centre line Ausführung R = Spindel linksdrehend! R = rotation anti-clockwise!										P	●	●
										M	●	-
										K	●	●
										N	-	-
										S	-	-
										H	-	-



F2

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

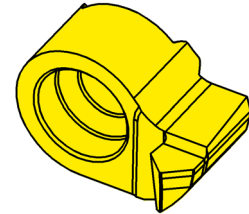
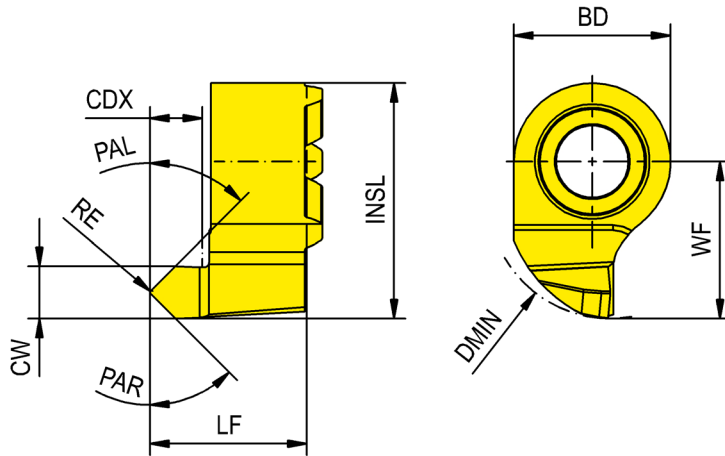
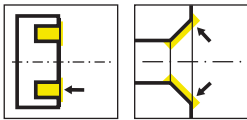
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DMIN	CW	RE	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TN35
R114.1410.05	14	1,01	0,5	1,5	8,3	9	9	13,5	11409084N	▲	▲
R114.1416.08	14	1,61	0,8	2,5	8,3	9	9	13,5	11409084N	▲	▲
R114.1420.10	14	2,01	1	3	8,3	9	9	13,5	11409084N	▲	▲
R114.1425.12	14	2,51	1,25	3	8,3	9	9	13,5	11409084N	▲	▲
R114.1430.15	14	3,01	1,5	3	8,3	9	9	13,5	11409084N	▲	▲
L114.1410.05	14	1,01	0,5	1,5	8,3	9	9	13,5	11409084N	▲	▲
L114.1416.08	14	1,61	0,8	2,5	8,3	9	9	13,5	11409084N	▲	▲
L114.1420.10	14	2,01	1	3	8,3	9	9	13,5	11409084N	▲	▲
L114.1425.12	14	2,51	1,25	3	8,3	9	9	13,5	11409084N	▲	▲
L114.1430.15	14	3,01	1,5	3	8,3	9	9	13,5	11409084N	Δ	▲

Bearbeitung **VOR** der Drehmitte!
Machining IN-FRONT of centre line

Ausführung R = Spindel rechtsdrehend!
R = rotation clockwise!

P	●	●
M	●	-
K	●	●
N	-	-
S	-	-
H	-	-



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	DMIN	CW	RE	CDX	PAL	PAR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R114.4545.14	14	3	0,1	3	45°	45°	9	9	9	13,5	11409084N	▲
L114.4545.14	14	3	0,1	3	45°	45°	9	9	9	13,5	11409084N	Δ
												P ●
												M ●
												K ●
												N -
												S -
												H -

Bearbeitung **VOR** der Drehmitte!
Machining IN-FRONT of centre line

Ausführung R = Spindel rechtsdrehend!
R = rotation clockwise!

Kapitel Chapter	F									
	F1			F2	F3	F4	F5	F6	F7	F8
System System	105	109	110	114	15A 25A	224	229	231	312	315

CW	0,5-3	2-3	3	1-3	2-4	3-6	4-6	3-10	1,5-5	1,5-3
CDX	>2	20	30	>1,5	>12	14	10-25	8	2-3,5	1,6-2
DAXN	>5	15	>20	>12	>15	>38	>65	40	30	>8
DAXX	46			36	80	1000	1000			
	•	•	•	•	•	•	•	•	•	•
	•	○	○	•	•	•	•			
	•	○	○	•	•	•	•			
	•			•	•	•	•			
	•	•	•		•	•	•			
				•	•	•	•			

F3

15A/25A



F3

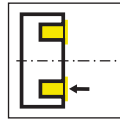
Stechbreite 2 - 4 mm

Width of groove 2 - 4 mm

Inhaltsangabe

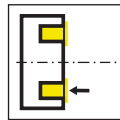
Summary

Klemmhalter
Toolholder
IB25A/H25A



Seite/Page
619-621

Kassette
Cassette
AK25A

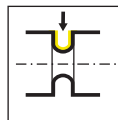


Seite/Page
622-623

Schneidplatte
Insert
S15A



Seite/Page
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Seite/Page
625

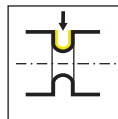


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626

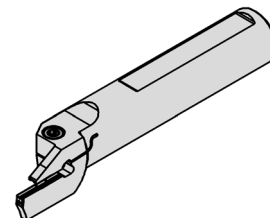
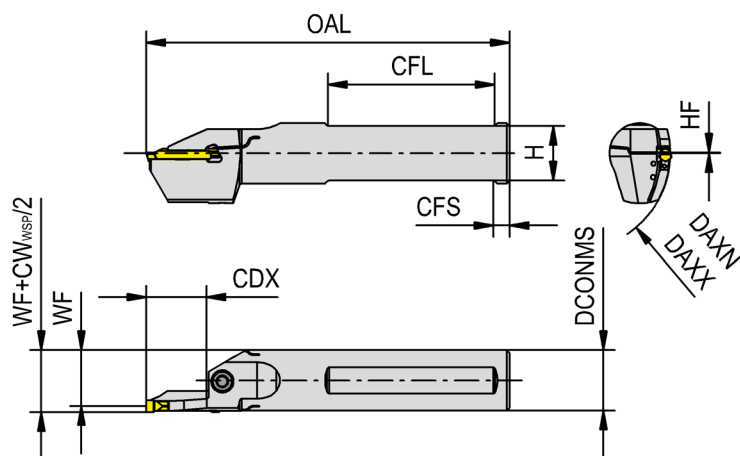
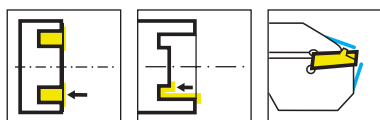
Wendeschneidplatte
Indexable insert
S25A



Seite/Page
627



Seite/Page
628



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

F3

Artikelnummer Part number	DAXN	DAXX	CDX	DCONMS	H	OAL	WF	HF	Trennstelle W Interface W
RIB25A.20.2025.02.IK	20	25	12	20	18	120	9,5	0,3	25A020008N
RIB25A.20.2530.02.IK	25	30	13	20	18	120	9,5	0,3	25A020008N
RIB25A.20.2025.03.IK	20	25	14	20	18	120	9	0,3	25A030008N
RIB25A.20.2530.03.IK	25	30	15	20	18	120	9	0,3	25A030008N
RIB25A.20.3040.03.IK	30	40	16	20	18	120	9	0,3	25A030008N
RIB25A.20.4050.03.IK	40	50	18	20	18	120	9	0,3	25A030008N
RIB25A.20.2025.04.IK	20	25	16	20	18	120	8,5	0,3	25A040008N
RIB25A.20.2530.04.IK	25	30	17	20	18	120	8,5	0,3	25A040008N
RIB25A.20.3040.04.IK	30	40	18	20	18	120	8,5	0,3	25A040008N
RIB25A.20.4050.04.IK	40	50	20	20	18	120	8,5	0,3	25A040008N
RIB25A.20.5065.04.IK	50	65	20	20	18	120	8,5	0,3	25A040008N
RIB25A.20.6580.04.IK	65	80	20	20	18	120	8,5	0,3	25A040008N
LIB25A.20.2025.02.IK	20	25	12	20	18	120	9,5	0,3	25A020008N
LIB25A.20.2530.02.IK	25	30	13	20	18	120	9,5	0,3	25A020008N
LIB25A.20.2025.03.IK	20	25	14	20	18	120	9	0,3	25A030008N
LIB25A.20.2530.03.IK	25	30	15	20	18	120	9	0,3	25A030008N
LIB25A.20.3040.03.IK	30	40	16	20	18	120	9	0,3	25A030008N
LIB25A.20.4050.03.IK	40	50	18	20	18	120	9	0,3	25A030008N
LIB25A.20.5065.03.IK	50	65	18	20	18	120	9	0,3	25A030008N
LIB25A.20.2025.04.IK	20	25	16	20	18	120	8,5	0,3	25A040008N
LIB25A.20.2530.04.IK	25	30	17	20	18	120	8,5	0,3	25A040008N
LIB25A.20.3040.04.IK	30	40	18	20	18	120	8,5	0,3	25A040008N
LIB25A.20.4050.04.IK	40	50	20	20	18	120	8,5	0,3	25A040008N
LIB25A.20.5065.04.IK	50	65	20	20	18	120	8,5	0,3	25A040008N

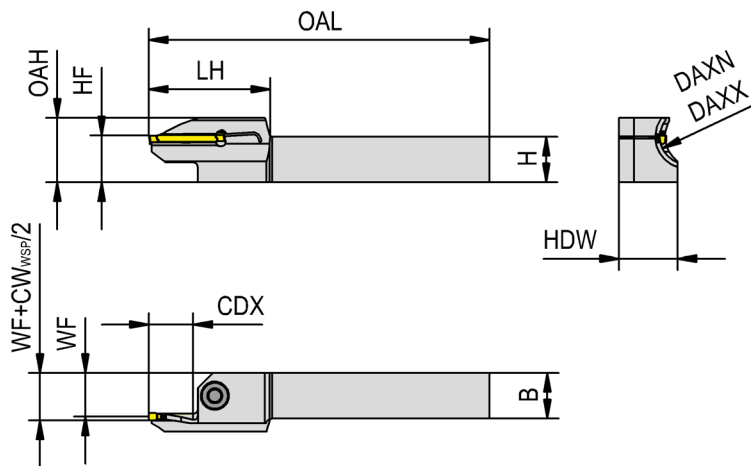
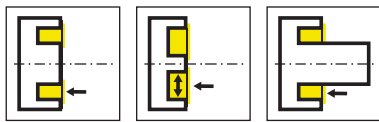
Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LIB25A.20...	5.13T20EP	T20PQ
LIB25A.20.5065.03.IK	5.17T20P	T20PQ
R/LIB25A.20.5065.04.	5.13T20P	T20PQ
RIB25A.20.6580.04.IK	5.13T20P	T20PQ

Spitzenhöhe liegt 0,3 mm über Drehmitte
The cutting edge is above 0,3 mm the centre height

CW siehe Wendeschneidplatten
CW see indexable inserts



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

F3

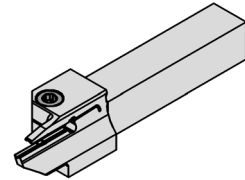
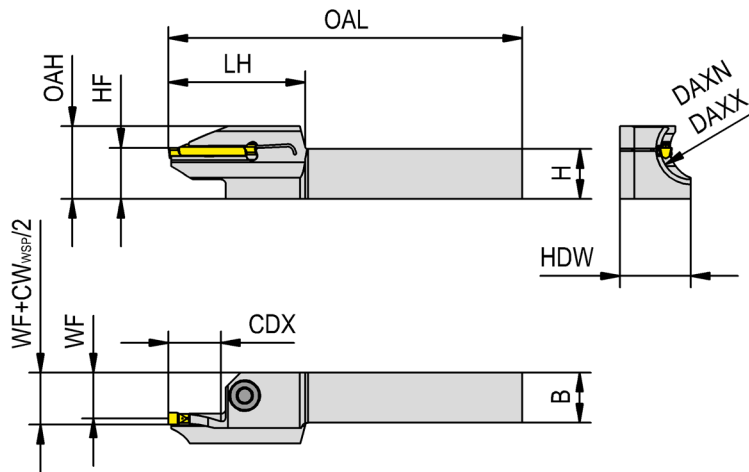
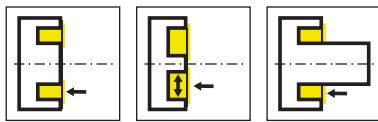
Artikelnummer Part number	DAXN	DAXX	CDX	H	B	OAL	LH	OAH	HDW	WF	HF	Trennstelle W Interface W
RAH25A.12.1520.02	15	20	12	12	12	120	32	17	15,5	11,5	12,3	25A020008N
RAH25A.12.2530.02	25	30	13	12	12	120	33	17,5	17,5	11,5	12,3	25A020008N
RAH25A.16.1520.02	15	20	12	16	16	120	32	21	19,5	15,5	16,3	25A020008N
RAH25A.16.2530.02	25	30	13	16	16	120	33	21,5	21,5	15,5	16,3	25A020008N
RAH25A.20.1520.02	15	20	12	20	20	120	32	25	23,5	19,5	20,3	25A020008N
RAH25A.20.2025.02	20	25	12	20	20	120	32	25	24,5	19,5	20,3	25A020008N
RAH25A.20.2530.02	25	30	13	20	20	120	33	25,5	25,5	19,5	20,3	25A020008N
LAH25A.12.1520.02	15	20	12	12	12	120	32	17	15,5	11,5	12,3	25A020008N
LAH25A.16.1520.02	15	20	12	16	16	120	32	21	19,5	15,5	16,3	25A020008N
LAH25A.20.1520.02	15	20	12	20	20	120	32	25	23,5	19,5	20,3	25A020008N
LAH25A.20.2025.02	20	25	12	20	20	120	32	25	24,5	19,5	20,3	25A020008N
LAH25A.20.2530.02	25	30	13	20	20	120	33	25,5	25,5	19,5	20,3	25A020008N

Spitzenhöhe liegt 0,3 mm über Drehmitte
The cutting edge is above 0,3 mm the centre height

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LAH25A.12...	5.14T20P	T20PQ
R/LAH25A...	5.13T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

F3

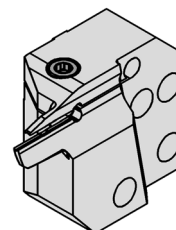
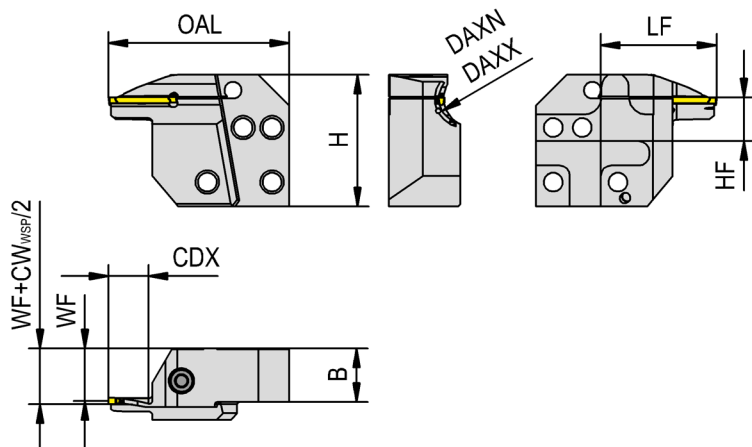
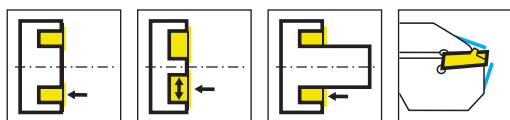
Artikelnummer Part number	DAXN	DAXX	CDX	H	B	OAL	LH	OAH	HDW	WF	HF	Trennstelle W Interface W
RAH25A.12.1520.03	15	20	13	12	12	120	33	17,5	17	11	12,3	25A030008N
RAH25A.16.1520.03	15	20	13	16	16	120	33	21,5	21	15	16,3	25A030008N
RAH25A.20.1520.03	15	20	13	20	20	120	33	25,5	25	19	20,3	25A030008N
RAH25A.20.2025.03	20	25	14	20	20	120	34	25,5	26	19	20,3	25A030008N
RAH25A.16.2530.03	25	30	15	16	16	120	35	22	23,5	15	16,3	25A030008N
RAH25A.20.2530.03	25	30	15	20	20	120	35	26	27,5	19	20,3	25A030008N
LAH25A.12.1520.03	15	20	13	12	12	120	33	17,5	17	11	12,3	25A030008N
LAH25A.16.1520.03	15	20	13	16	16	120	33	21,5	21	15	16,3	25A030008N
LAH25A.20.1520.03	15	20	13	20	20	120	33	25,5	25	19	20,3	25A030008N
LAH25A.12.2025.03	20	25	14	12	12	120	34	17,5	18	11	12,3	25A030008N
LAH25A.16.2025.03	20	25	14	16	16	120	34	21,5	22	15	16,3	25A030008N
LAH25A.20.2025.03	20	25	14	20	20	120	34	25,5	26	19	20,3	25A030008N
LAH25A.16.2530.03	25	30	15	16	16	120	35	22	23,5	15	16,3	25A030008N
LAH25A.20.2530.03	25	30	15	20	20	120	35	26	27,5	19	20,3	25A030008N

Spitzenhöhe liegt 0,3 mm über Drehmitte
The cutting edge is above 0,3 mm the centre height

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LAH25A.12...	5.14T20P	T20PQ
R/LAH25A...	5.13T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

F3

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OA	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RAK25A.1520.02.IK	15	20	2	12	15,4	53	34	38,6	12,8	38,6	15,7	25A020008N	22000193
RAK25A.2025.02.IK	20	25	2	12	15,4	53	34	38,6	12,8	38,6	15,7	25A020008N	22000193
RAK25A.2530.02.IK	25	30	2	13	15,4	53	34	38,6	12,8	38,6	15,7	25A020008N	22000193
RAK25A.2025.03.IK	20	25	3	14	14,9	53	34	38,6	12,8	38,6	15,7	25A030008N	22000193
RAK25A.2530.03.IK	25	30	3	15	14,9	53	34	38,6	12,8	38,6	15,7	25A030008N	22000193
RAK25A.3040.03.IK	30	40	3	16	14,9	53	34	38,6	12,8	38,6	15,7	25A030008N	22000193
RAK25A.4050.03.IK	40	50	3	18	14,9	53	34	38,6	12,8	38,6	15,7	25A030008N	22000193
RAK25A.5065.03.IK	50	65	3	18	14,9	53	34	38,6	12,8	38,6	15,7	25A030008N	22000193
RAK25A.6580.03.IK	65	80	3	18	14,9	53	34	38,6	12,8	38,6	15,7	25A030008N	22000193
LAK25A.1520.02.IK	15	20	2	12	15,4	53	34	38,6	12,8	38,6	15,7	25A020008N	22000293
LAK25A.2025.02.IK	20	25	2	12	15,4	53	34	38,6	12,8	38,6	15,7	25A020008N	22000293
LAK25A.2530.02.IK	25	30	2	13	15,4	53	34	38,6	12,8	38,6	15,7	25A020008N	22000293
LAK25A.2025.03.IK	20	25	3	14	14,9	53	34	38,6	12,8	38,6	15,7	25A030008N	22000293
LAK25A.2530.03.IK	25	30	3	15	14,9	53	34	38,6	12,8	38,6	15,7	25A030008N	22000293
LAK25A.3040.03.IK	30	40	3	16	14,9	53	34	38,6	12,8	38,6	15,7	25A030008N	22000293
LAK25A.4050.03.IK	40	50	3	18	14,9	53	34	38,6	12,8	38,6	15,7	25A030008N	22000293
LAK25A.5065.03.IK	50	65	3	18	14,9	53	34	38,6	12,8	38,6	15,7	25A030008N	22000293

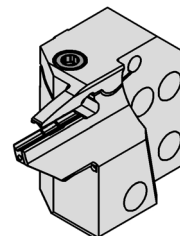
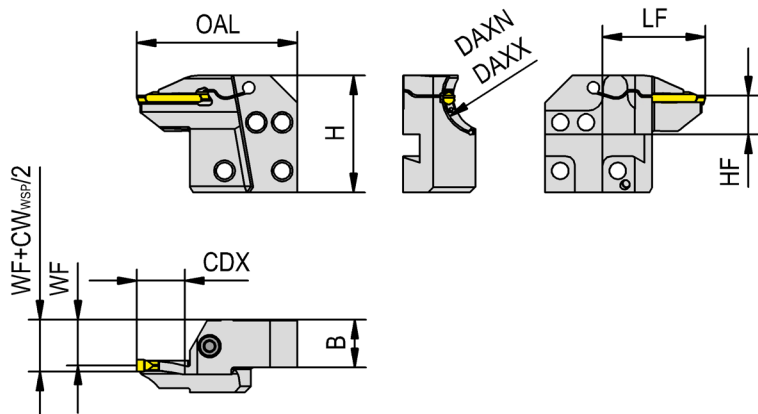
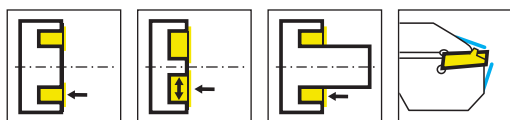
CW siehe Wendeschneidplatten
CW see indexable inserts

Spitzenhöhe liegt 0,3 mm über Drehmitte
The cutting edge is above 0,3 mm the centre height

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LAK25A...	5.13T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

F3

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RAK25A.2025.04.IK	20	25	4	16	15,1	53	34	38,6	12,8	38,6	15,7	25A040008N	22000193
RAK25A.2530.04.IK	25	30	4	17	15,1	53	34	38,6	12,8	38,6	15,7	25A040008N	22000193
RAK25A.3040.04.IK	30	40	4	18	15,1	53	34	38,6	12,8	38,6	15,7	25A040008N	22000193
RAK25A.4050.04.IK	40	50	4	20	15,1	53	34	39,2	12,8	39,2	15,7	25A040008N	22000193
RAK25A.5065.04.IK	50	65	4	20	15,1	53	34	39,2	12,8	39,2	15,7	25A040008N	22000193
LAK25A.2025.04.IK	20	25	4	16	15,1	53	34	38,6	12,8	38,6	15,7	25A040008N	22000293
LAK25A.2530.04.IK	25	30	4	17	15,1	53	34	38,6	12,8	38,6	15,7	25A040008N	22000293
LAK25A.3040.04.IK	30	40	4	18	15,1	53	34	38,6	12,8	38,6	15,7	25A040008N	22000293
LAK25A.4050.04.IK	40	50	4	20	15,1	53	34	39,2	12,8	39,2	15,7	25A040008N	22000293
LAK25A.5065.04.IK	50	65	4	20	15,1	53	34	39,2	12,8	39,2	15,7	25A040008N	22000293
LAK25A.6580.04.IK	65	80	4	20	15,1	53	34	39,2	12,8	39,2	15,7	25A040008N	22000293

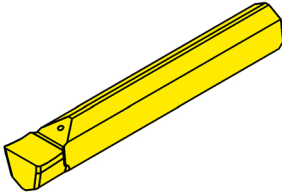
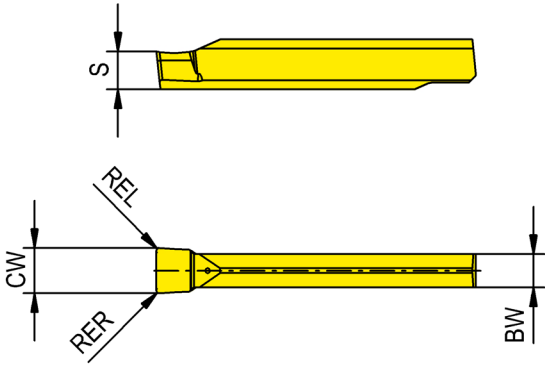
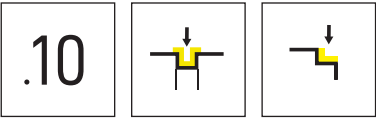
CW siehe Wendeschneidplatten
CW see indexable inserts

Spitzenhöhe liegt 0,3 mm über Drehmitte
The cutting edge is above 0,3 mm the centre height

Ersatzteile

Spare Parts

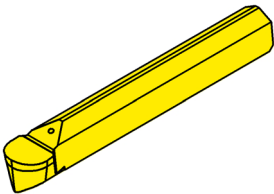
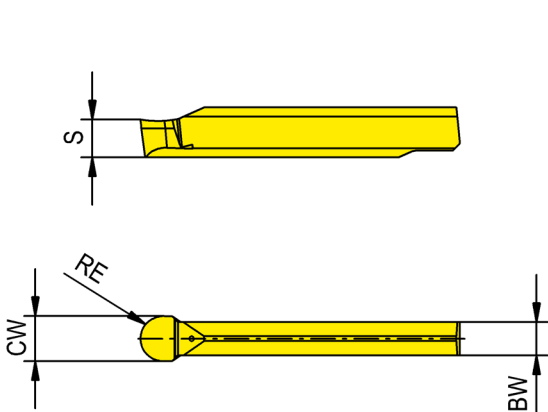
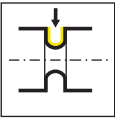
Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LAK25A...	5.13T20P	T20PQ



F3

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

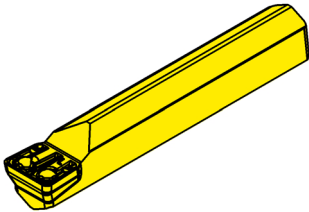
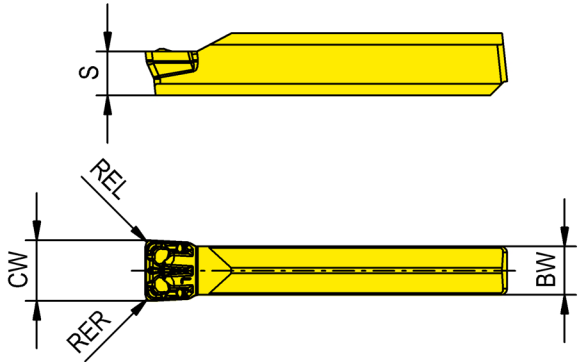
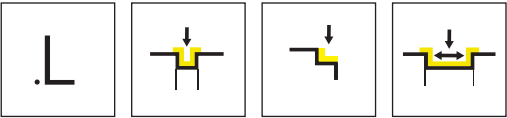
Artikelnummer Part number	CW	REL	RER	BW	S	Trennstelle M Interface M	EG55	IG35	TH35
S15A.0200.12	2	0,2	0,2	1,56	2,2	25A020008N	▲	▲	▲
S15A.0300.12	3	0,2	0,2	2,2	2,5	25A030008N	▲	▲	▲
S15A.0400.12	4	0,2	0,2	3,2	2,9	25A040008N	▲	▲	▲
							P	●	●
							M	●	●
							K	-	-
							N	-	-
							S	-	-
							H	-	-



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	RE	BW	s	Trennstelle M Interface M		EG55	IG35	TH35
S15A.0200.10.10	2	1	1,56	2,2	25A020008N		▲	▲	▲
S15A.0300.10.15	3	1,5	2,2	2,5	25A030008N		▲	▲	▲
S15A.0400.10.20	4	2	3,2	2,9	25A040008N		▲	▲	▲
						P	●	●	●
						M	●	●	●
						K	-	-	-
						N	-	-	-
						S	-	O	-
						H	-	-	-

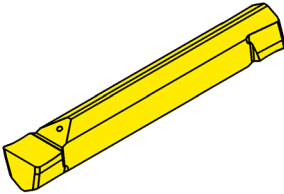
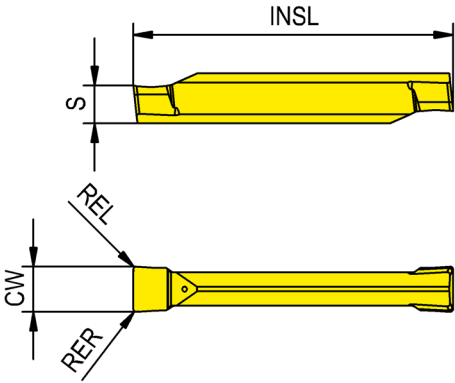
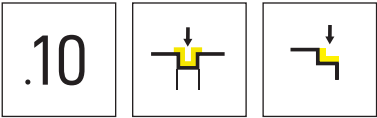
F3



F3

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

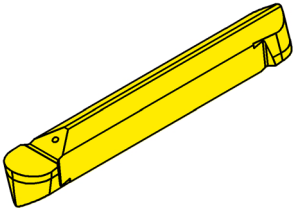
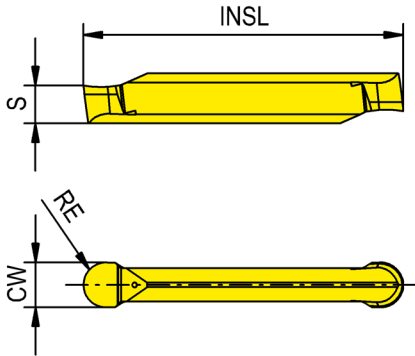
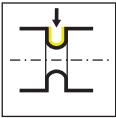
Artikelnummer Part number	CW	REL	RER	BW	S	Trennstelle M Interface M		AS45	EG55	IG65
S15A.0300.L2	3	0,2	0,2	2,2	2,5	25A030008N		▲	▲	▲
S15A.0400.L4	4	0,4	0,4	3,2	2,9	25A040008N		▲	▲	▲
							P	●	●	●
							M	○	○	○
							K	○	○	○
							N	-	-	-
							S	-	-	-
							H	-	-	-



Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	REL	RER	INSL	S	Trennstelle M Interface M	EG55	IG35	TH35
S25A.0200.12	2	0,2	0,2	20,1	2,2	25A020008N	▲	▲	▲
S25A.0300.12	3	0,2	0,2	21,1	2,5	25A030008N	▲	▲	▲
S25A.0400.12	4	0,2	0,2	24,2	2,9	25A040008N	▲	▲	▲
							P	●	●
							M	●	●
							K	-	-
							N	-	-
							S	-	-
							H	-	-

F3



F3

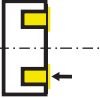
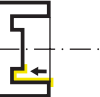
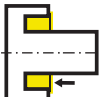
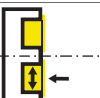
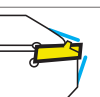
Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	RE	INSL	S	Trennstelle M Interface M		EG55	IG35	TH35
S25A.0200.10.10	2	1	20,1	2,2	25A020008N		▲	▲	▲
S25A.0300.10.15	3	1,5	21,1	2,5	25A030008N		▲	▲	▲
S25A.0400.10.20	4	2	24,2	2,9	25A040008N		▲	▲	▲
						P	●	●	●
						M	●	●	●
						K	-	-	-
						N	-	-	-
						S	-	O	-
						H	-	-	-



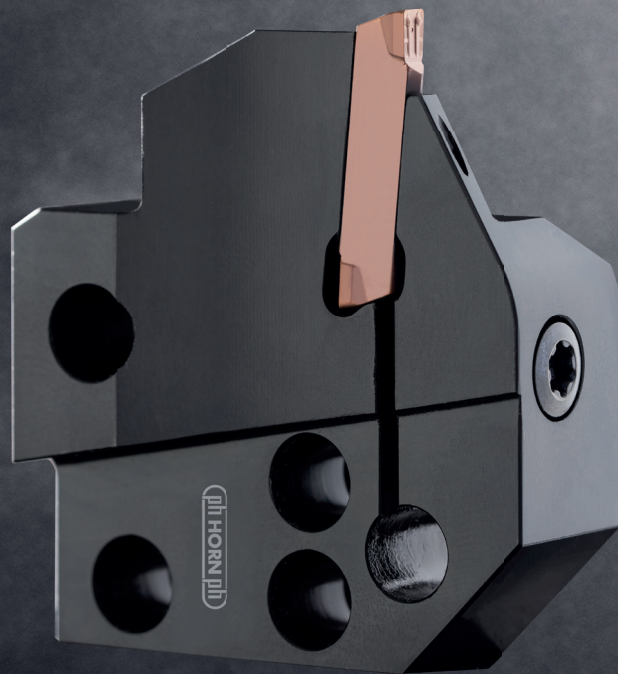
F3

Kapitel Chapter	F									
	F1			F2	F3	F4	F5	F6	F7	F8
System System	105	109	110	114	15A 25A	224	229	231	312	315

CW	0,5-3	2-3	3	1-3	2-4	3-6	4-6	3-10	1,5-5	1,5-3
CDX	>2	20	30	>1,5	>12	14	10-25	8	2-3,5	1,6-2
DAXN	>5	15	>20	>12	>15	>38	>65	40	30	>8
DAXX	46			36	80	1000	1000			
	•	•	•	•	•	•	•	•	•	•
	•	○	○	•	•	•	•			
	•	○	○	•	•	•	•			
	•			•	•	•	•			
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				•	•	•	•			

F4

224



F4

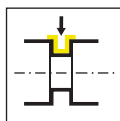
Stechbreite 3 - 6 mm

Width of groove 3 - 6 mm

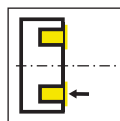
Inhaltsangabe

Summary

Grundhalter
Basic toolholder
220/B224

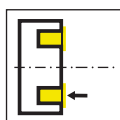


Seite/Page
633-634

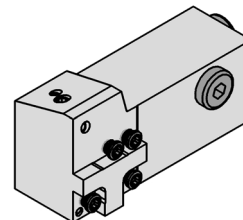
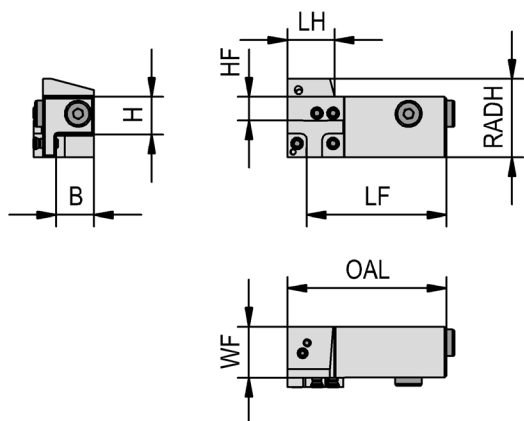
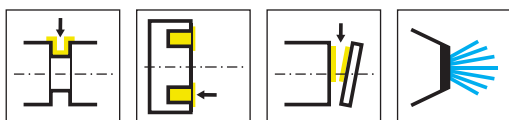


Seite/Page
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Kassette
Cassette
LAK224/RAK224/
LIK224/RIK224



Seite/Page
636-643



R = rechts wie gezeichnet
R = right hand version shown

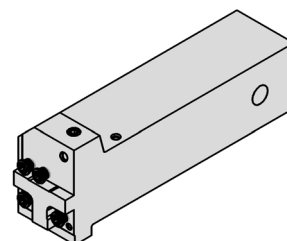
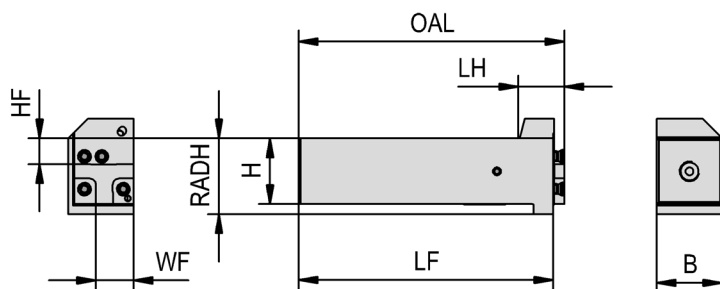
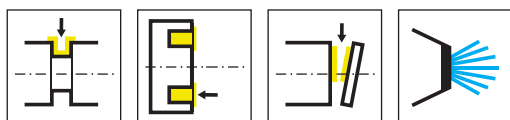
L = Linksausführung
L = left hand version

Artikelnummer Part number	I	B	OAL	LF	LH	RADH	WF	HF	Trennstelle W Interface W
R220.1616.2.K1.IK	16	16	84	74	25	32	23	12,5	22000193
R220.2020.2.K1.IK	20	20	84	74	25	32	27	12,5	22000193
R220.2525.2.K1.IK	25	25	96	86	22	32	31,9	12,5	22000193
R220.3225.2.K1.IK	32	25	105	95	25	32	25	12,5	22000193
R220.3232.2.K1.IK	32	32	130	120	25	32	32	12,5	22000193
L220.1616.2.K1.IK	16	16	84	74	25	32	23	12,5	22000293
L220.2020.2.K1.IK	20	20	84	74	25	32	27	12,5	22000293
L220.2525.2.K1.IK	25	25	96	86	22	32	31,9	12,5	22000293
L220.3225.2.K1.IK	32	25	105	95	25	32	25	12,5	22000293
L220.3232.2.K1.IK	32	32	130	120	25	32	32	12,5	22000293

F4

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/L220...	5.12T20P	T20PQ	004.00.26



R = rechts wie gezeichnet
R = right hand version shown

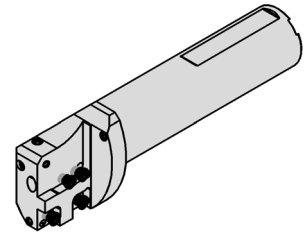
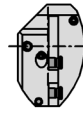
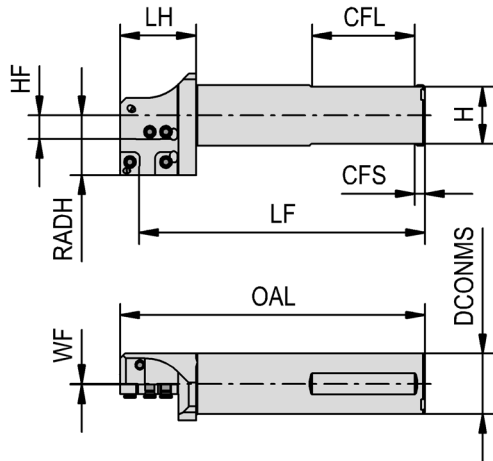
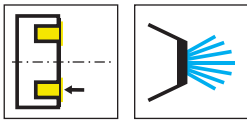
L = Linksausführung
L = left hand version

F4

Artikelnummer Part number	H	B	OAL	LF	LH	RADH	WF	HF	Trennstelle W Interface W
R220.1616.2.K2.IK	16	16	84	79	22	32	19	12,5	22000293
R220.2020.2.K2.IK	20	20	84	79	22	32	19	12,5	22000293
R220.2525.2.K2.IK	25	25	96	91	22	32	22	12,5	22000293
R220.3225.2.K2.IK	32	25	105	100	22	37	19	12,5	22000293
R220.3232.2.K2.IK	32	32	130	125	22	37	22	12,5	22000293
L220.1616.2.K2.IK	16	16	84	79	22	32	19	12,5	22000193
L220.2020.2.K2.IK	20	20	84	79	22	32	19	12,5	22000193
L220.2525.2.K2.IK	25	25	96	91	22	32	22	12,5	22000193
L220.3225.2.K2.IK	32	25	105	100	22	37	19	12,5	22000193
L220.3232.2.K2.IK	32	32	130	125	22	37	22	12,5	22000193

Ersatzteile Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/L220...	5.12T20P	T20PQ	004.00.26



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

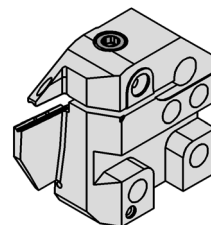
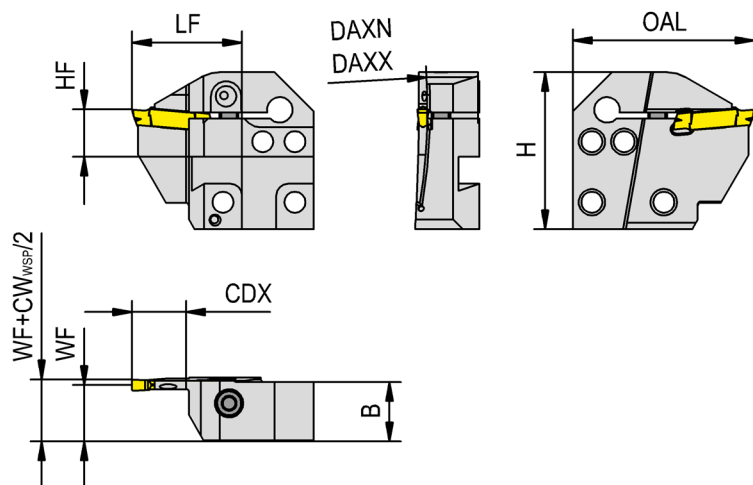
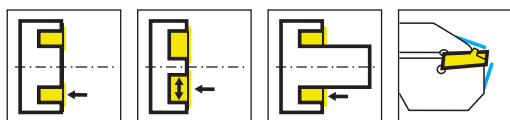
Artikelnummer Part number	DCONMS	H	HF	LF	LH	OAL	RADH	RADW	CFL	CFS	WF	Trennstel- le W Interface W
RB224.0032.K1.IK	32	30	12,5	171	40	181	31,65	19,3	55	5	0,41	22000193
RB224.0040.K1.IK	40	38	12,5	221	40	231	31,65	22,45	55	5	4,41	22000193
RB224.0032.1.K1.IK	32	30	12,5	106	40	116	31,65	19,3	55	5	0,41	22000193
RB224.0040.1.K1.IK	40	38	12,5	106	40	116	31,65	22,45	55	5	4,41	22000193
LB224.0032.K1.IK	32	30	12,5	171	40	181	31,65	19,3	55	5	0,41	22000293
LB224.0040.K1.IK	40	38	12,5	221	40	231	31,65	22,45	55	5	4,41	22000293
LB224.0032.1.K1.IK	32	30	12,5	106	40	116	31,65	19,3	55	5	0,41	22000293
LB224.0040.1.K1.IK	40	38	12,5	106	40	116	31,65	22,45	55	5	4,41	22000293

F4

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB224...	5.12T20P	T20PQ



L = Linksausführung
L = left hand version

F4

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstel- le M Interface M
LAK224.5060.03.IK	50	60	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000293
LAK224.6075.03.IK	60	75	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000293
LAK224.7590.03.IK	75	90	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000293
LAK224.9011.03.IK	90	110	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000293
LAK224.1113.03.IK	110	130	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000293
LAK224.1318.03.IK	130	180	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000293
LAK224.1830.03.IK	180	300	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000293
LAK224.3000.03.IK	300	1000	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000293
LAK224.3847.04.IK	38	47	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000293
LAK224.4760.04.IK	47	60	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000293
LAK224.6075.04.IK	60	75	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000293
LAK224.7590.04.IK	75	90	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000293
LAK224.9013.04.IK	90	130	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000293
LAK224.1318.04.IK	130	180	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000293
LAK224.1830.04.IK	180	300	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000293
LAK224.3000.04.IK	300	1000	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000293

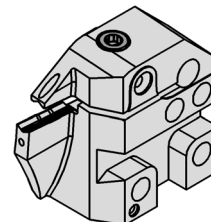
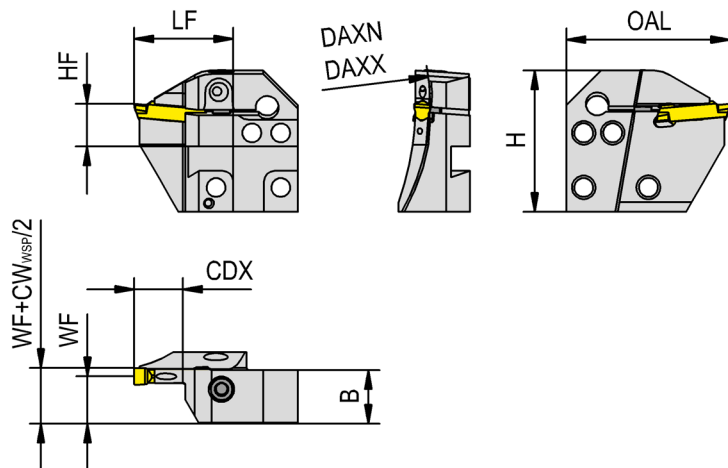
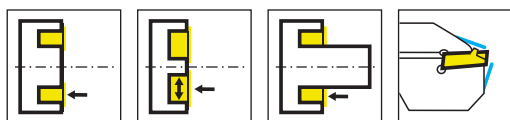
CW siehe Wendeschneidplatten
CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LAK224...	5.13T20P	T20PQ



L = Linksausführung
L = left hand version

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
LAK224.3847.05.IK	38	47	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000293
LAK224.4760.05.IK	47	60	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000293
LAK224.6075.05.IK	60	75	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000293
LAK224.7590.05.IK	75	90	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000293
LAK224.9013.05.IK	90	130	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000293
LAK224.1318.05.IK	130	180	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000293
LAK224.1830.05.IK	180	300	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000293
LAK224.3000.05.IK	300	1000	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000293
LAK224.6075.06.IK	60	75	6	14	13,4	48	29	41,5	12,5	41,5	15,7	224060058N	22000293
LAK224.7590.06.IK	75	90	6	14	13,4	48	29	41,5	12,5	41,5	15,7	224060058N	22000293
LAK224.9013.06.IK	90	130	6	14	13,4	48	29	41,5	12,5	41,5	15,7	224060058N	22000293
LAK224.1318.06.IK	130	180	6	14	13,4	48	29	41,5	12,5	41,5	15,7	224060058N	22000293
LAK224.1830.06.IK	180	300	6	14	13,4	48	29	41,5	12,5	41,5	15,7	224060058N	22000293
LAK224.3000.06.IK	300	1000	6	14	13,4	48	29	41,5	12,5	41,5	15,7	224060058N	22000293

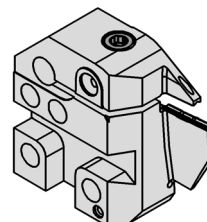
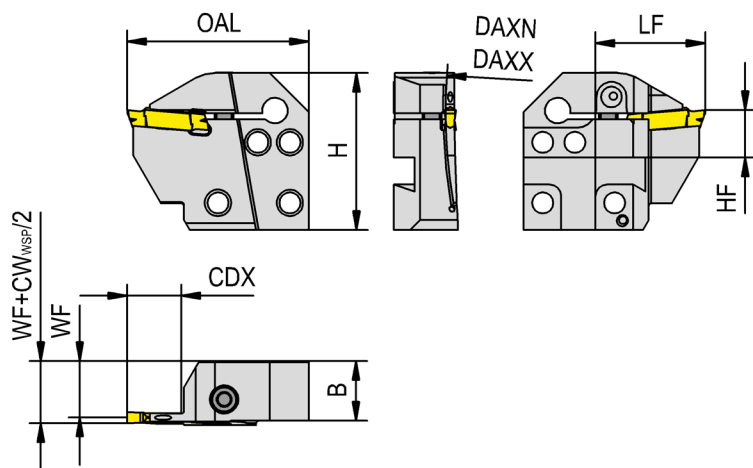
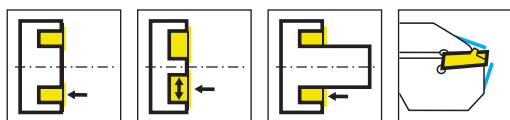
CW siehe Wendeschneidplatten
CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LAK224...	5.13T20P	T20PQ



R = Rechtsausführung

R = right hand version

F4

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RAK224.5060.03.IK	50	60	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000193
RAK224.6075.03.IK	60	75	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000193
RAK224.7590.03.IK	75	90	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000193
RAK224.9011.03.IK	90	110	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000193
RAK224.1113.03.IK	110	130	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000193
RAK224.1318.03.IK	130	180	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000193
RAK224.1830.03.IK	180	300	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000193
RAK224.3000.03.IK	300	1000	3	14	14,9	48	29	41,5	12,5	41,5	15,7	224030058N	22000193
RAK224.3847.04.IK	38	47	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000193
RAK224.4760.04.IK	47	60	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000193
RAK224.6075.04.IK	60	75	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000193
RAK224.7590.04.IK	75	90	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000193
RAK224.9013.04.IK	90	130	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000193
RAK224.1318.04.IK	130	180	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000193
RAK224.1830.04.IK	180	300	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000193
RAK224.3000.04.IK	300	1000	4	14	14,4	48	29	41,5	12,5	41,5	15,7	224040058N	22000193

CW siehe Wendeschneidplatten

CW see indexable inserts

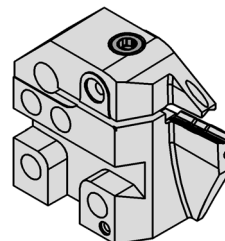
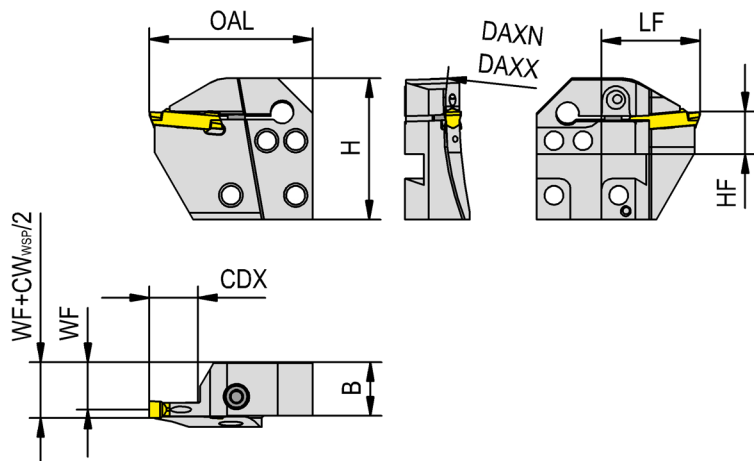
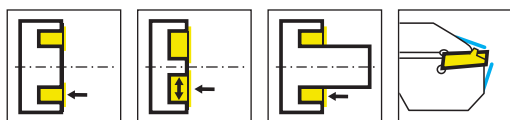
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.

The fastening screw is combined with the basic toolholder - no separate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RAK224...	5.13T20P	T20PQ



R = Rechtsausführung

R = right hand version

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OA	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RAK224.3847.05.IK	38	47	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000193
RAK224.4760.05.IK	47	60	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000193
RAK224.6075.05.IK	60	75	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000193
RAK224.7590.05.IK	75	90	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000193
RAK224.9013.05.IK	90	130	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000193
RAK224.1318.05.IK	130	180	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000193
RAK224.1830.05.IK	180	300	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000193
RAK224.3000.05.IK	300	1000	5	14	13,9	48	29	41,5	12,5	41,5	15,7	224050058N	22000193
RAK224.6075.06.IK	60	75	6	14	13,4	48	29	41,5	12,5	41,5	15,7	224060058N	22000193
RAK224.7590.06.IK	75	90	6	14	13,4	48	29	41,5	12,5	41,5	15,7	224060058N	22000193
RAK224.9013.06.IK	90	130	6	14	13,4	48	29	41,5	12,5	41,5	15,7	224060058N	22000193
RAK224.1318.06.IK	130	180	6	14	13,4	48	29	41,5	12,5	41,5	15,7	224060058N	22000193
RAK224.1830.06.IK	180	300	6	14	13,4	48	29	41,5	12,5	41,5	15,7	224060058N	22000193
RAK224.3000.06.IK	300	1000	6	14	13,4	48	29	41,5	12,5	41,5	15,7	224060058N	22000193

CW siehe Wendeschneidplatten

CW see indexable inserts

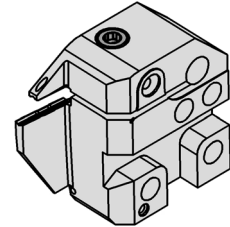
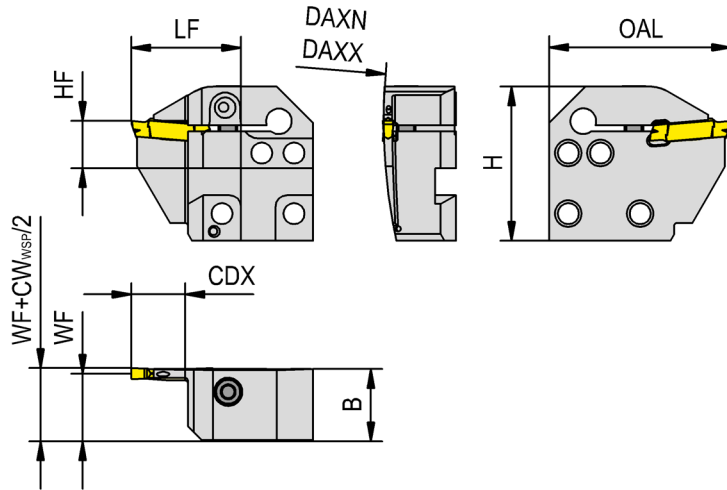
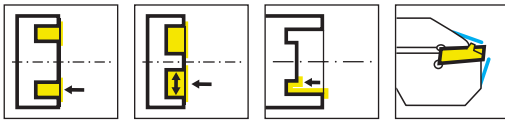
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.

The fastening screw is combined with the basic toolholder - no separate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RAK224...	5.13T20P	T20PQ



L = Linksausführung
L = left hand version

F4

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstel- le M Interface M
LIK224.5060.03.IK	50	60	3	14	17,9	48	29	40,7	12,5	40,7	19	224030058N	22000293
LIK224.6075.03.IK	60	75	3	14	17,9	48	29	40,7	12,5	40,7	19	224030058N	22000293
LIK224.7590.03.IK	75	90	3	14	17,9	48	29	40,7	12,5	40,7	19	224030058N	22000293
LIK224.9011.03.IK	90	110	3	14	17,9	48	29	40,7	12,5	40,7	19	224030058N	22000293
LIK224.1113.03.IK	110	130	3	14	17,9	48	29	40,7	12,5	40,7	19	224030058N	22000293
LIK224.1318.03.IK	130	180	3	14	17,9	48	29	40,7	12,5	40,7	19,05	224030058N	22000293
LIK224.1830.03.IK	180	300	3	14	17,9	48	29	40,7	12,5	40,7	19	224030058N	22000293
LIK224.3000.03.IK	300	1000	3	14	17,9	48	29	40,7	12,5	40,7	19,1	224030058N	22000293
LIK224.3847.04.IK	38	47	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000293
LIK224.4760.04.IK	47	60	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000293
LIK224.6075.04.IK	60	75	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000293
LIK224.7590.04.IK	75	90	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000293
LIK224.9013.04.IK	90	130	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000293
LIK224.1318.04.IK	130	180	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000293
LIK224.1830.04.IK	180	300	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000293
LIK224.3000.04.IK	300	1000	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000293

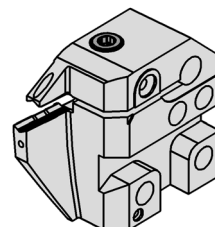
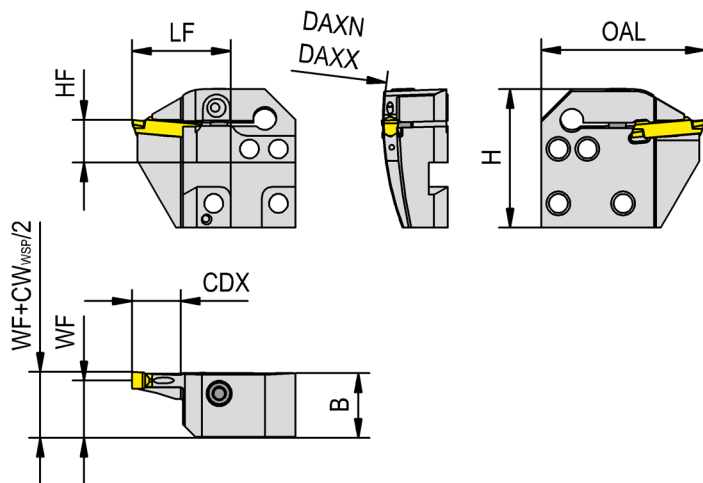
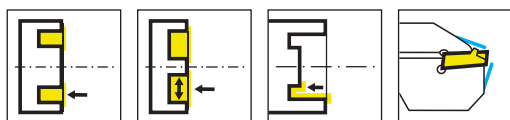
CW siehe Wendeschneidplatten
CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LIK224...	5.13T20P	T20PQ



L = Linksausführung
L = left hand version

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
LIK224.3847.05.IK	38	47	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000293
LIK224.4760.05.IK	47	60	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000293
LIK224.6075.05.IK	60	75	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000293
LIK224.7590.05.IK	75	90	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000293
LIK224.9013.05.IK	90	130	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000293
LIK224.1318.05.IK	130	180	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000293
LIK224.1830.05.IK	180	300	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000293
LIK224.3000.05.IK	300	1000	5	14	16,9	48	29	40,7	12,5	40,7	18,9	224050058N	22000293
LIK224.6075.06.IK	60	75	6	14	16,4	48	29	40,7	12,5	40,7	19	224060058N	22000293
LIK224.7590.06.IK	75	90	6	14	16,4	48	29	40,7	12,5	40,7	19	224060058N	22000293
LIK224.9013.06.IK	90	130	6	14	16,4	48	29	40,7	12,5	40,7	19	224060058N	22000293
LIK224.1318.06.IK	130	180	6	14	16,4	48	29	40,7	12,5	40,7	19	224060058N	22000293
LIK224.1830.06.IK	180	300	6	14	16,4	48	29	40,7	12,5	40,7	19	224060058N	22000293
LIK224.3000.06.IK	300	1000	6	14	16,4	48	29	40,7	12,5	40,7	18,75	224060058N	22000293

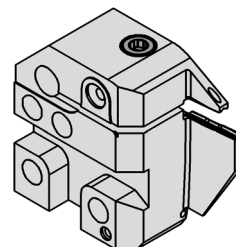
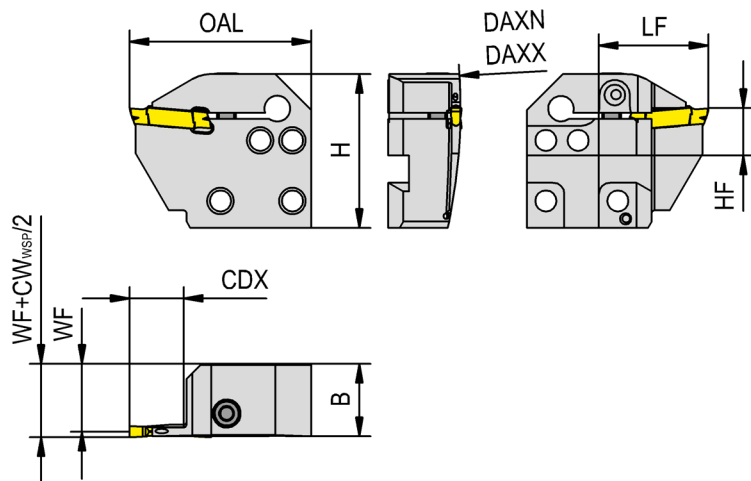
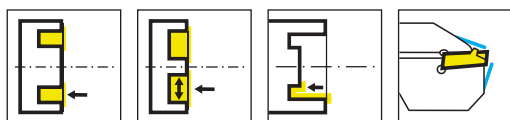
CW siehe Wendeschneidplatten
CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LIK224...	5.13T20P	T20PQ



R = Rechtsausführung
R = right hand version

F4

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstel- le M Interface M
RIK224.5060.03.IK	50	60	3	14	17,9	48	29	40,7	12,5	40,7	19	224030058N	22000193
RIK224.6075.03.IK	60	75	3	14	17,9	48	29	40,7	12,5	40,7	19	224030058N	22000193
RIK224.7590.03.IK	75	90	3	14	17,9	48	29	40,7	12,5	40,7	19	224030058N	22000193
RIK224.9011.03.IK	90	110	3	14	17,9	48	29	40,7	12,5	40,7	19	224030058N	22000193
RIK224.1113.03.IK	110	130	3	14	17,9	48	29	40,7	12,5	40,7	19	224030058N	22000193
RIK224.1318.03.IK	130	180	3	14	17,9	48	29	40,7	12,5	40,7	19,05	224030058N	22000193
RIK224.1830.03.IK	180	300	3	14	17,9	48	29	40,7	12,5	40,7	19	224030058N	22000193
RIK224.3000.03.IK	300	1000	3	14	17,9	48	29	40,7	12,5	40,7	19,1	224030058N	22000193
RIK224.3847.04.IK	38	47	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000193
RIK224.4760.04.IK	47	60	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000193
RIK224.6075.04.IK	60	75	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000193
RIK224.7590.04.IK	75	90	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000193
RIK224.9013.04.IK	90	130	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000193
RIK224.1318.04.IK	130	180	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000193
RIK224.1830.04.IK	180	300	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000193
RIK224.3000.04.IK	300	1000	4	14	17,4	48	29	40,7	12,5	40,7	19	224040058N	22000193

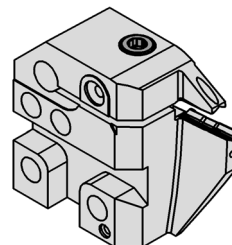
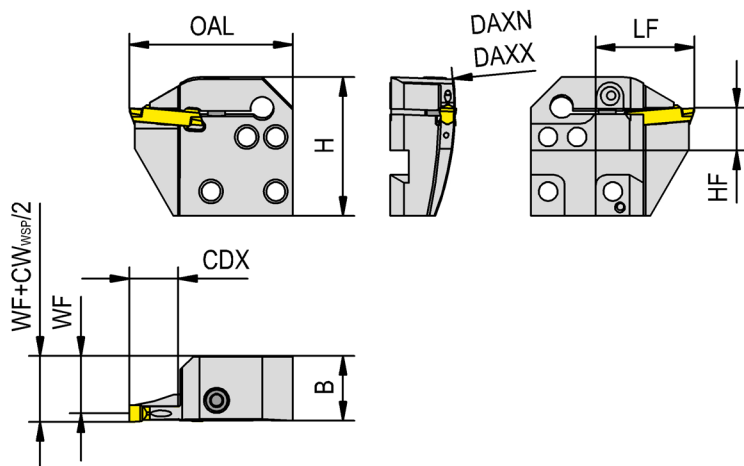
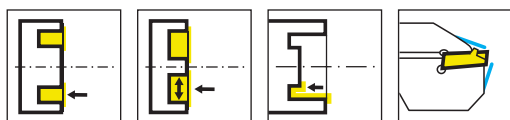
CW siehe Wendeschneidplatten
CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RIK224...	5.13T20P	T20PQ



R = Rechtsausführung
R = right hand version

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RIK224.3847.05.IK	38	47	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000193
RIK224.4760.05.IK	47	60	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000193
RIK224.6075.05.IK	60	75	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000193
RIK224.7590.05.IK	75	90	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000193
RIK224.9013.05.IK	90	130	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000193
RIK224.1318.05.IK	130	180	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000193
RIK224.1830.05.IK	180	300	5	14	16,9	48	29	40,7	12,5	40,7	19	224050058N	22000193
RIK224.3000.05.IK	300	1000	5	14	16,9	48	29	40,7	12,5	40,7	18,9	224050058N	22000193
RIK224.6075.06.IK	60	75	6	14	16,4	48	29	40,7	12,5	40,7	19	224060058N	22000193
RIK224.7590.06.IK	75	90	6	14	16,4	48	29	40,7	12,5	40,7	19	224060058N	22000193
RIK224.9013.06.IK	90	130	6	14	16,4	48	29	40,7	12,5	40,7	19	224060058N	22000193
RIK224.1318.06.IK	130	180	6	14	16,4	48	29	40,7	12,5	40,7	19	224060058N	22000193
RIK224.1830.06.IK	180	300	6	14	16,4	48	29	40,7	12,5	40,7	19	224060058N	22000193
RIK224.3000.06.IK	300	1000	6	14	16,4	48	29	40,7	12,5	40,7	18,75	224060058N	22000193

CW siehe Wendeschneidplatten
CW see indexable inserts

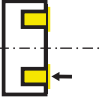
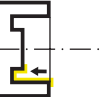
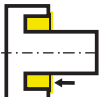
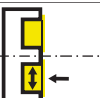
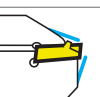
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RIK224...	5.13T20P	T20PQ

Kapitel Chapter	F									
	F1			F2	F3	F4	F5	F6	F7	F8
System System	105	109	110	114	15A 25A	224	229	231	312	315

CW	0,5-3	2-3	3	1-3	2-4	3-6	4-6	3-10	1,5-5	1,5-3
CDX	>2	20	30	>1,5	>12	14	10-25	8	2-3,5	1,6-2
DAXN	>5	15	>20	>12	>15	>38	>65	40	30	>8
DAXX	46			36	80	1000	1000			
	•	•	•	•	•	•	•	•	•	•
	•	○	○	•	•	•	•			
	•	○	○	•	•	•	•			
	•			•	•	•	•			
	•	•	•		•	•	•			
				•	•	•	•			

F5

229



F5

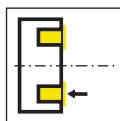
Stechbreite 4-8 mm

Width of groove 4-8 mm

Inhaltsangabe

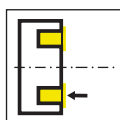
Summary

Klemmhalter
Toolholder
LA210/RA210/LA226/
RA226

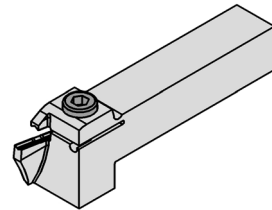
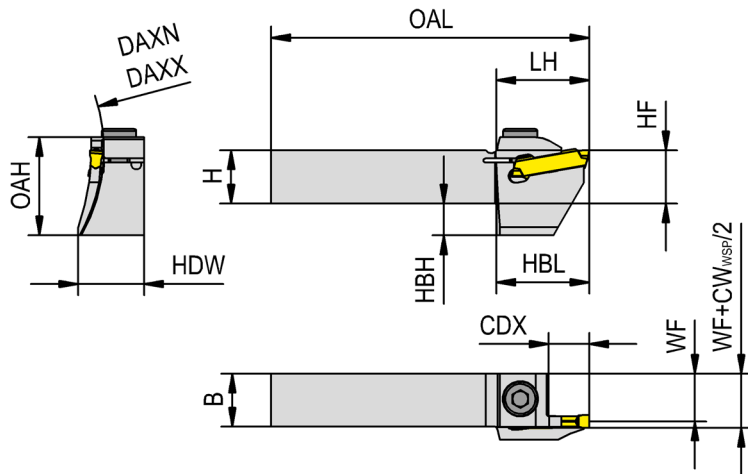
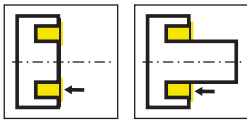


Seite/Page
647-650

Kassette
Cassette
LAK220/RAK220/
LIK220/RIK220



Seite/Page
651-658



L = Linksausführung
L = left hand version

Artikelnummer Part number	DAXN	DAXX	CDX	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
LA210.20.1318.14	130	180	15	20	20	150	35	35	37	25	12	18,5	20	S229040108N
LA210.20.9513.14	95	122	15	20	20	150	35	35	37	26	12	18,5	20	S229040108N
LA210.25.1318.14	130	172	15	25	25	150	35	35	37	30	7	23,5	25	S229040108N
LA210.25.9513.14	95	122	15	25	25	150	35	35	37	31	7	23,5	25	S229040108N
LA210.25.1318.15	130	180	15	25	25	150	35	35	37	30	7	23	25	S229050108N
LA210.25.9513.15	95	120	15	25	25	150	35	35	37	33	7	23	25	S229050108N

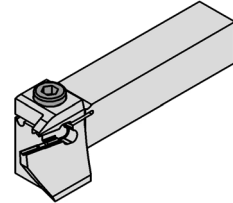
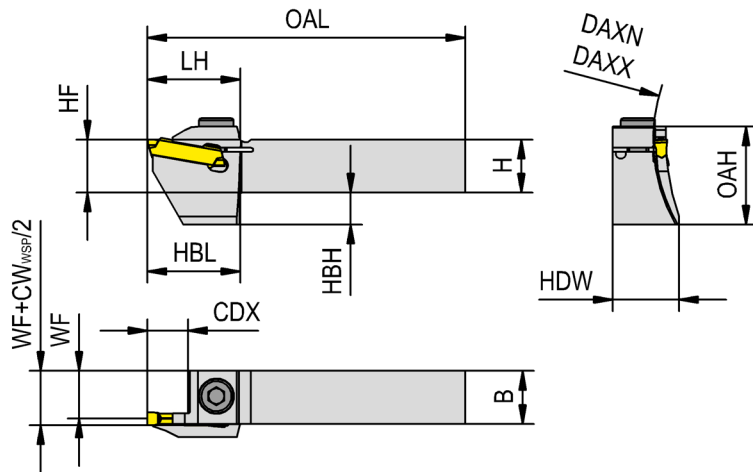
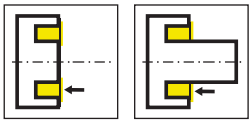
CW siehe Wendeschneidplatten
CW see indexable inserts

F5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw
LA210...	218.3



R = Rechtsausführung
R = right hand version

Artikelnummer Part number	DAXN	DAXX	CDX	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RA210.20.9513.14	95	122	15	20	20	150	35	35	37	26	12	18,5	20	S229040108N
RA210.25.1318.14	130	172	15	25	25	150	35	35	37	30	7	23,5	25	S229040108N
RA210.25.9513.14	95	122	15	25	25	150	35	35	37	31	7	23,5	25	S229040108N
RA210.20.1318.15	130	180	15	20	20	150	35	35	37	25	12	18	20	S229050108N
RA210.25.1318.15	130	170	15	25	25	150	35	35	37	30	7	23	25	S229050108N
RA210.25.9513.15	95	120	15	25	25	150	35	35	37	33	7	23	25	S229050108N

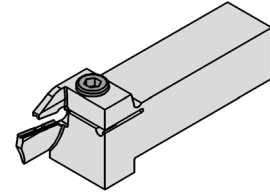
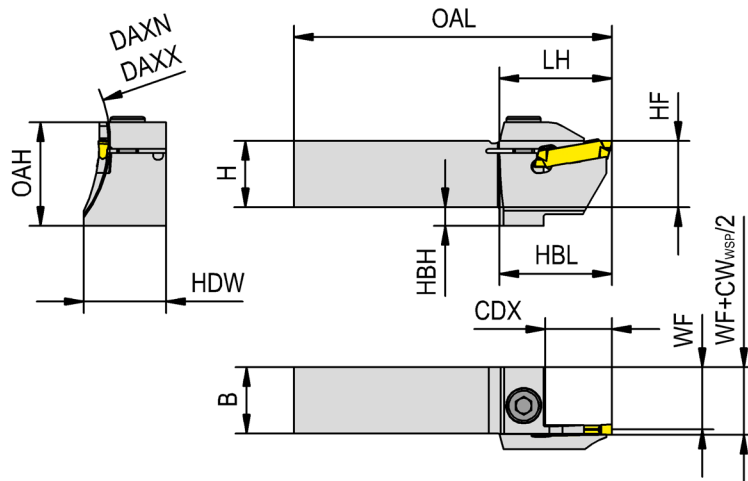
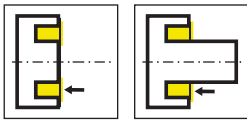
CW siehe Wendeschneidplatten
CW see indexable inserts

F5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw
RA210...	218.3



L = Linksausführung
L = left hand version

Artikelnummer Part number	DAXN	DAXX	CDX	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
LA226.20.1318.04	130	172	25	20	20	150	42,5	42,5	39	25	12	18,5	20	S229040108N
LA226.20.9513.04	95	122	25	20	20	150	42,5	42,5	39	26	12	18,5	20	S229040108N
LA226.25.1318.04	130	172	25	25	25	150	42,5	42,5	39	30	7	23,5	25	S229040108N
LA226.25.9513.04	95	122	25	25	25	150	42,5	42,5	39	31	7	23,5	25	S229040108N
LA226.25.1318.05	130	170	25	25	25	150	42,5	42,5	39	30	7	23	25	S229050108N
LA226.25.9513.05	95	120	25	25	25	150	42,5	42,5	39	33	7	23	25	S229050108N

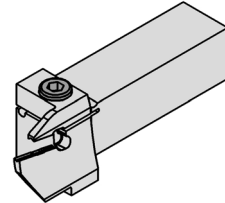
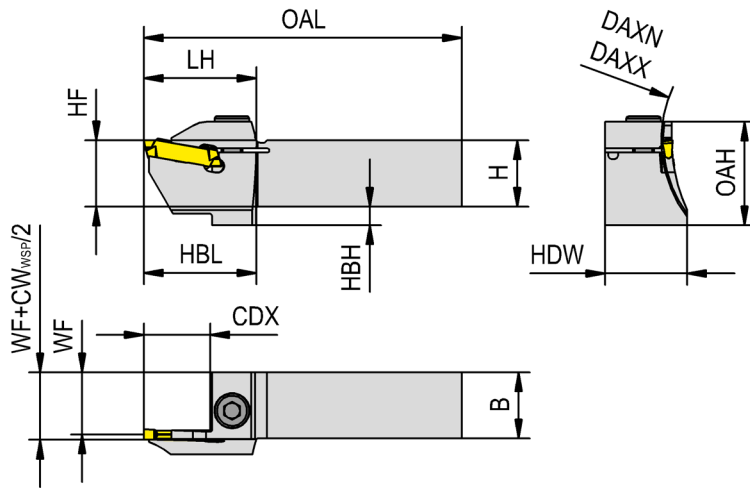
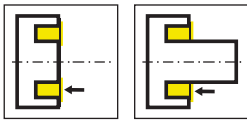
CW siehe Wendeschneidplatten
CW see indexable inserts

F5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw
LA226...	218.3



R = Rechtsausführung
R = right hand version

Artikelnummer Part number	DAXN	DAXX	CDX	H	B	OAL	LH	HBL	OAH	HDW	HBH	WF	HF	Trennstelle W Interface W
RA226.20.1318.04	130	172	25	20	20	150	42,5	42,5	39	25	12	18,5	20	S229040108N
RA226.20.9513.04	95	122	25	20	20	150	42,5	42,5	39	26	12	18,5	20	S229040108N
RA226.25.1318.04	130	172	25	25	25	150	42,5	42,5	39	30	7	23,5	25	S229040108N
RA226.25.9513.04	95	122	25	25	25	150	42,5	42,5	39	31	7	23,5	25	S229040108N
RA226.20.9513.05	95	120	25	20	20	150	42,5	42,5	39	28	12	18	20	S229050108N
RA226.25.1318.05	130	170	25	25	25	150	42,5	42,5	39	30	7	23	25	S229050108N
RA226.25.9513.05	95	120	25	25	25	150	42,5	42,5	39	33	7	23	25	S229050108N

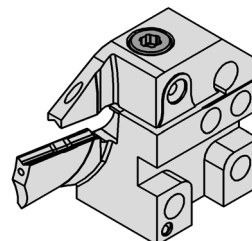
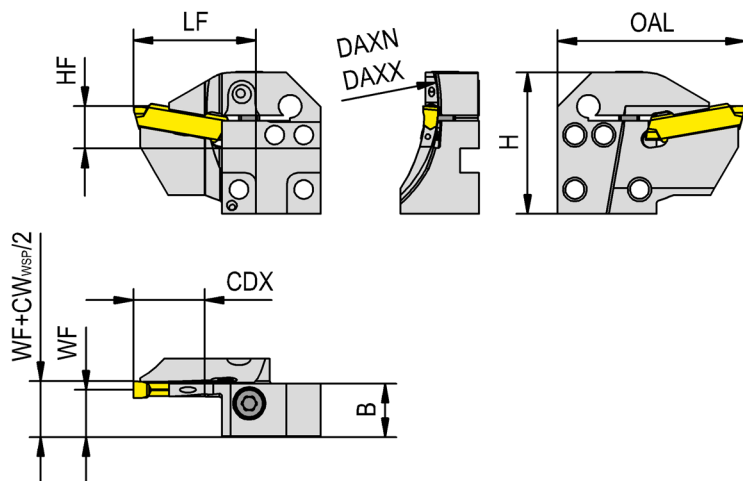
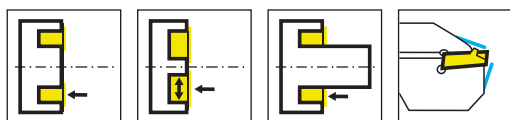
CW siehe Wendeschneidplatten
CW see indexable inserts

F5

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw
RA226...	218.3



L = Linksausführung
L = left hand version

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
LAK220.6575.04.IK	65	75	4	10	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LAK220.7595.04.IK	75	95	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LAK220.9513.04.IK	95	130	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LAK220.1318.04.IK	130	180	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LAK220.1830.04.IK	180	300	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LAK220.3000.04.IK	300	1000	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LAK220.6075.05.IK	60	75	5	10	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LAK220.7595.05.IK	75	95	5	17	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LAK220.9513.05.IK	95	130	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LAK220.1318.05.IK	130	180	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LAK220.1830.05.IK	180	300	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LAK220.3000.05.IK	300	1000	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LAK220.6075.06.IK	60	75	6	10	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LAK220.7595.06.IK	75	95	6	17	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LAK220.9513.06.IK	95	130	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LAK220.1318.06.IK	130	180	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LAK220.1830.06.IK	180	300	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LAK220.3000.06.IK	300	1000	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293

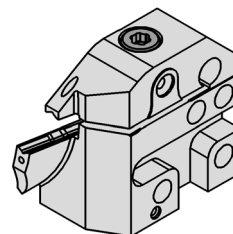
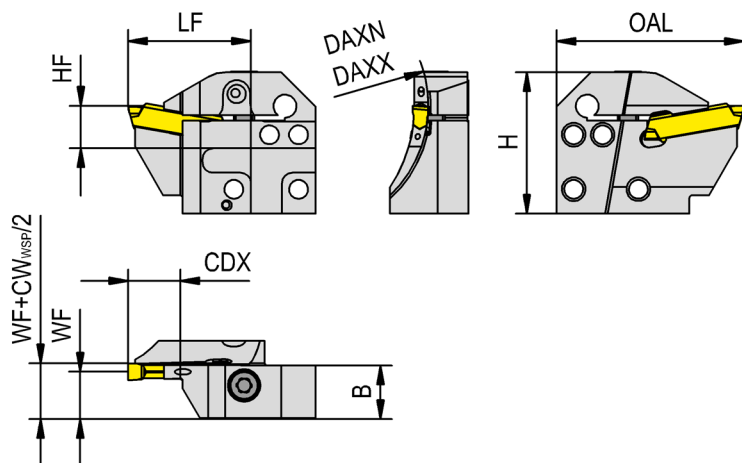
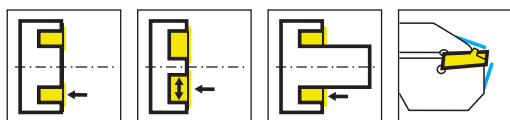
CW siehe Wendeschneidplatten
CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LAK220...	6.23T25P	T25PQ



L = Linksausführung
L = left hand version

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
LAK220.6575.14.IK	65	75	4	10	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LAK220.7595.14.IK	75	95	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LAK220.9513.14.IK	95	130	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LAK220.1318.14.IK	130	180	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LAK220.1830.14.IK	180	300	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LAK220.6075.15.IK	60	75	5	10	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LAK220.7595.15.IK	75	95	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LAK220.9513.15.IK	95	130	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LAK220.1318.15.IK	130	180	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LAK220.1830.15.IK	180	300	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LAK220.6075.16.IK	60	75	6	10	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LAK220.7595.16.IK	75	95	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LAK220.9513.16.IK	95	130	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LAK220.1318.16.IK	130	180	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LAK220.1830.16.IK	180	300	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293

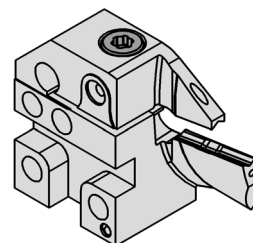
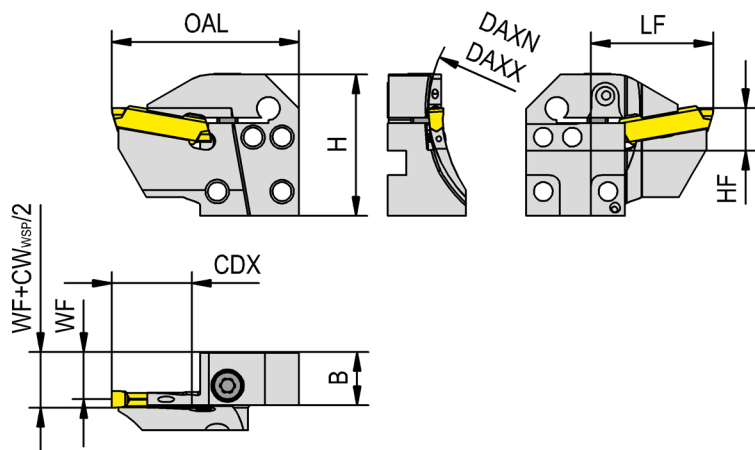
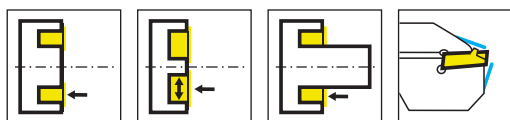
CW siehe Wendschneidplatten
CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LAK220...	6.23T25P	T25PQ



R = Rechtsausführung
R = right hand version

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RAK220.6575.04.IK	65	75	4	10	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RAK220.7595.04.IK	75	95	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RAK220.9513.04.IK	95	130	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RAK220.1318.04.IK	130	180	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RAK220.1830.04.IK	180	300	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RAK220.3000.04.IK	300	1000	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RAK220.6075.05.IK	60	75	5	10	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RAK220.7595.05.IK	75	95	5	17	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RAK220.9513.05.IK	95	130	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RAK220.1318.05.IK	130	180	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RAK220.1830.05.IK	180	300	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RAK220.3000.05.IK	300	1000	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RAK220.6075.06.IK	60	75	6	10	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RAK220.7595.06.IK	75	95	6	17	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RAK220.9513.06.IK	95	130	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RAK220.1318.06.IK	130	180	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RAK220.1830.06.IK	180	300	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RAK220.3000.06.IK	300	1000	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193

CW siehe Wendeschneidplatten
CW see indexable inserts

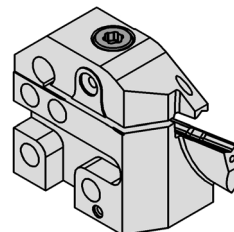
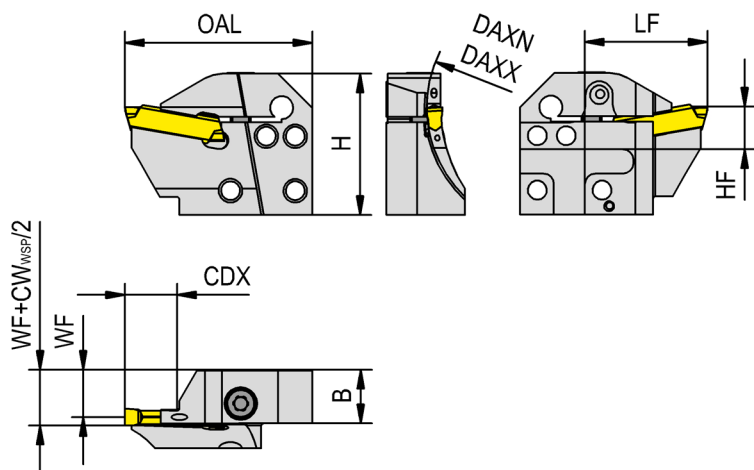
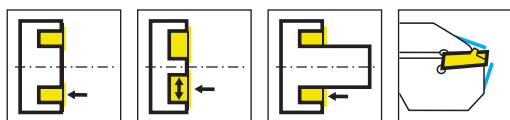
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RAK220...	6.23T25P	T25PQ

F5



R = Rechtsausführung
R = right hand version

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RAK220.6575.14.IK	65	75	4	10	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RAK220.7595.14.IK	75	95	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RAK220.9513.14.IK	95	130	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RAK220.1318.14.IK	130	180	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RAK220.1830.14.IK	180	300	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RAK220.6075.15.IK	60	75	5	10	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RAK220.7595.15.IK	75	95	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RAK220.9513.15.IK	95	130	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RAK220.1318.15.IK	130	180	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RAK220.1830.15.IK	180	300	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RAK220.6075.16.IK	60	75	6	10	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RAK220.7595.16.IK	75	95	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RAK220.9513.16.IK	95	130	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RAK220.1318.16.IK	130	180	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RAK220.1830.16.IK	180	300	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193

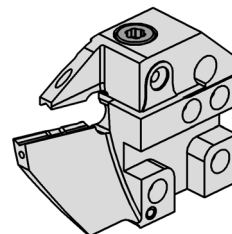
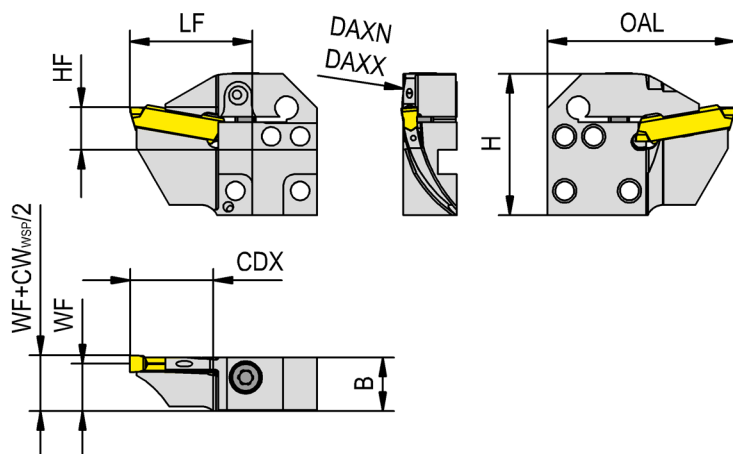
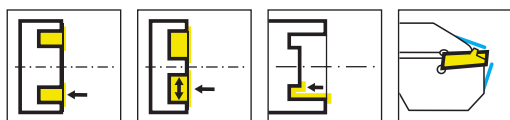
CW siehe Wendschneidplatten
CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RAK220...	6.23T25P	T25PQ



L = Linksausführung
L = left hand version

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
LIK220.6575.04.IK	65	75	4	10	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LIK220.7595.04.IK	75	95	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LIK220.9513.04.IK	95	130	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LIK220.1318.04.IK	130	180	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LIK220.1830.04.IK	180	300	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LIK220.3000.04.IK	300	1000	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LIK220.6075.05.IK	60	75	5	10	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LIK220.7595.05.IK	75	95	5	17	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LIK220.9513.05.IK	95	130	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LIK220.1318.05.IK	130	180	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LIK220.1830.05.IK	180	300	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LIK220.3000.05.IK	300	1000	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LIK220.6075.06.IK	60	75	6	10	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LIK220.7595.06.IK	75	95	6	17	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LIK220.9513.06.IK	95	130	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LIK220.1318.06.IK	130	180	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LIK220.1830.06.IK	180	300	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LIK220.3000.06.IK	300	1000	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293

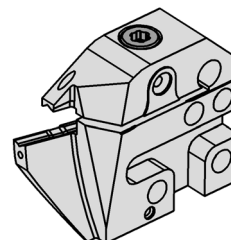
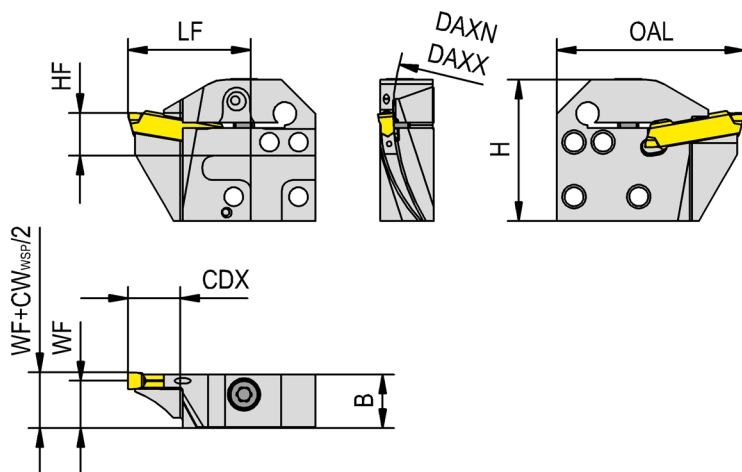
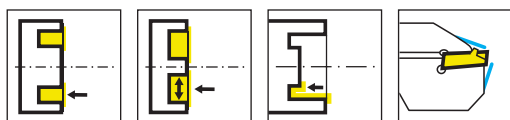
CW siehe Wendeschneidplatten
CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LIK220...	6.23T25P	T25PQ



L = Linksausführung
L = left hand version

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
LIK220.6575.14.IK	65	75	4	10	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LIK220.7595.14.IK	75	95	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LIK220.9513.14.IK	95	130	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LIK220.1318.14.IK	130	180	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LIK220.1830.14.IK	180	300	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000293
LIK220.6075.15.IK	60	75	5	10	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LIK220.7595.15.IK	75	95	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LIK220.9513.15.IK	95	130	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LIK220.1318.15.IK	130	180	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LIK220.1830.15.IK	180	300	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000293
LIK220.6075.16.IK	60	75	6	10	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LIK220.7595.16.IK	75	95	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LIK220.9513.16.IK	95	130	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LIK220.1318.16.IK	130	180	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293
LIK220.1830.16.IK	180	300	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000293

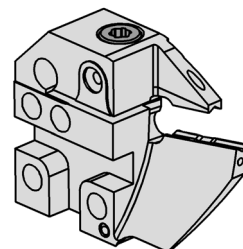
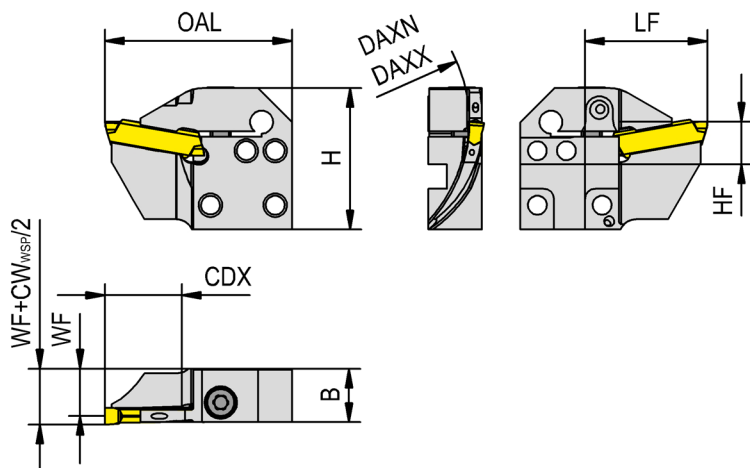
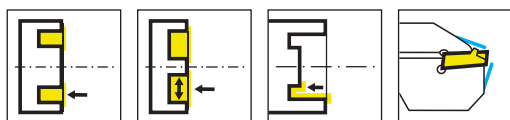
CW siehe Wendschneidplatten
CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LIK220...	6.23T25P	T25PQ



R = Rechtsausführung

R = right hand version

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RIK220.6575.04.IK	65	75	4	10	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RIK220.7595.04.IK	75	95	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RIK220.9513.04.IK	95	130	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RIK220.1318.04.IK	130	180	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RIK220.1830.04.IK	180	300	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RIK220.3000.04.IK	300	1000	4	25	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RIK220.6075.05.IK	60	75	5	10	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RIK220.7595.05.IK	75	95	5	17	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RIK220.9513.05.IK	95	130	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RIK220.1318.05.IK	130	180	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RIK220.1830.05.IK	180	300	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RIK220.3000.05.IK	300	1000	5	25	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RIK220.6075.06.IK	60	75	6	10	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RIK220.7595.06.IK	75	95	6	17	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RIK220.9513.06.IK	95	130	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RIK220.1318.06.IK	130	180	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RIK220.1830.06.IK	180	300	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RIK220.3000.06.IK	300	1000	6	25	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193

CW siehe Wendeschneidplatten

CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.

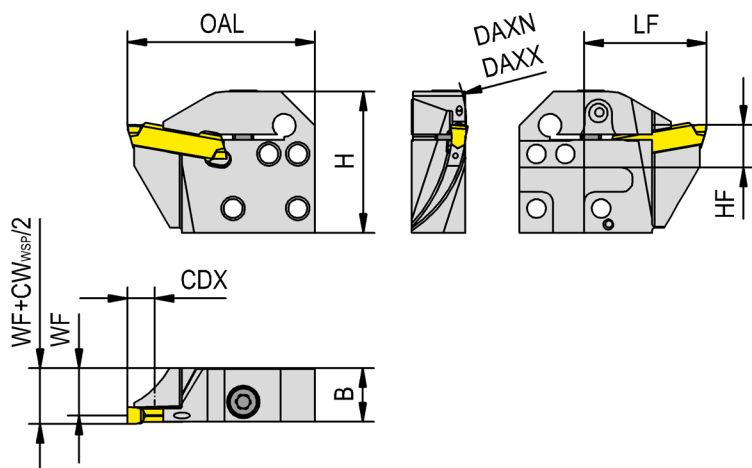
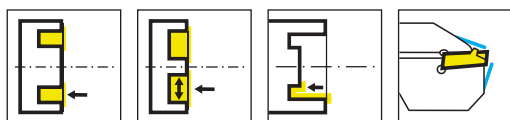
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RIK220...	6.23T25P	T25PQ

F5



R = Rechtsausführung
R = right hand version

Artikelnummer Part number	DAXN	DAXX	CW	CDX	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RIK220.6575.14.IK	65	75	4	10	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RIK220.7595.14.IK	75	95	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RIK220.9513.14.IK	95	130	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RIK220.1318.14.IK	130	180	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RIK220.1830.14.IK	180	300	4	15	14,4	55	36	41,5	12,5	41,5	15,7	S229040108N	22000193
RIK220.6075.15.IK	60	75	5	10	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RIK220.7595.15.IK	75	95	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RIK220.9513.15.IK	95	130	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RIK220.1318.15.IK	130	180	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RIK220.1830.15.IK	180	300	5	15	13,9	55	36	41,5	12,5	41,5	15,7	S229050108N	22000193
RIK220.6075.16.IK	60	75	6	10	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RIK220.7595.16.IK	75	95	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RIK220.9513.16.IK	95	130	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RIK220.1318.16.IK	130	180	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193
RIK220.1830.16.IK	180	300	6	15	13,4	55	36	41,5	12,5	41,5	15,7	S229060108N	22000193

CW siehe Wendschneidplatten
CW see indexable inserts

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

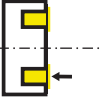
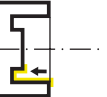
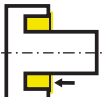
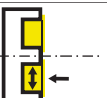
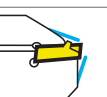
Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RIK220...	6.23T25P	T25PQ



F5

Kapitel Chapter	F									
	F1			F2	F3	F4	F5	F6	F7	F8
System System	105	109	110	114	15A 25A	224	229	231	312	315

CW	0,5-3	2-3	3	1-3	2-4	3-6	4-6	3-10	1,5-5	1,5-3
CDX	>2	20	30	>1,5	>12	14	10-25	8	2-3,5	1,6-2
DAXN	>5	15	>20	>12	>15	>38	>65	40	30	>8
DAXX	46			36	80	1000	1000			
	•	•	•	•	•	•	•	•	•	•
	•	○	○	•	•	•	•			
	•	○	○	•	•	•	•			
	•			•	•	•	•			
	•	•	•		•	•	•			
				•	•	•	•			

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F6

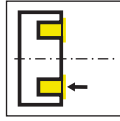
Stechbreite 3 - 10 mm

Width of groove 3 - 10 mm

Inhaltsangabe

Summary

Klemmhalter
Toolholder
221/228

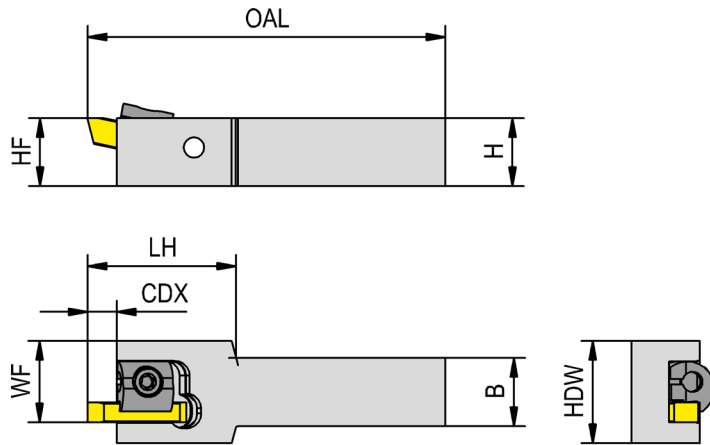
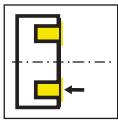


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663-664

Wendescheidplatte
Indexable insert
231/N231



Seite/Page
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R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

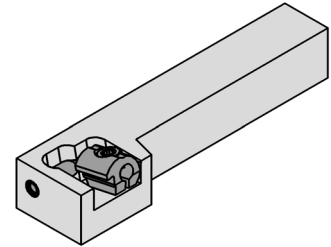
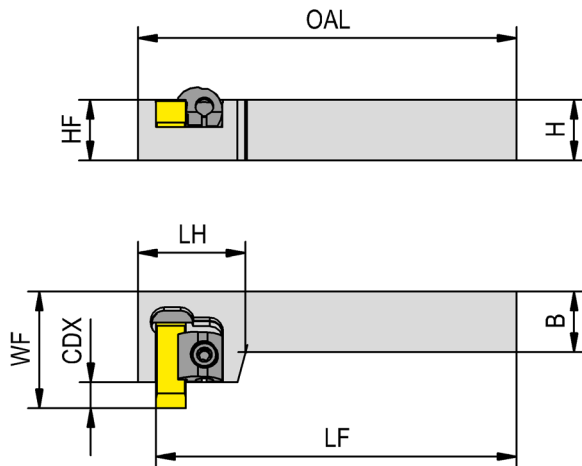
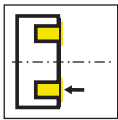
Artikelnummer Part number	CDX	H	B	OAL	LH	HDW	WF	HF	Trennstelle W Interface W
R221.2020.04	8	20	20	125	43,6	28	17,9	20	231040128N
R221.2525.04	8	25	25	150	43,6	28	20,4	25	231040128N
R221.2020.05	8	20	20	125	43,6	30	18,9	20	231050128N
R221.2525.05	8	25	25	150	43,6	30	21,4	25	231050128N
R221.2020.07	8	20	20	125	43,6	32	19,9	20	231070128N
R221.2525.07	8	25	25	150	43,6	32	22,4	25	231070128N
R221.2020.09	8	20	20	125	43,6	34	20,9	20	231090128N
R221.2525.09	8	25	25	150	43,6	34	23,4	25	231090128N
L221.2020.04	8	20	20	125	43,6	28	17,9	20	231040128N
L221.2525.04	8	25	25	150	43,6	28	20,4	25	231040128N
L221.2020.05	8	20	20	125	43,6	30	18,9	20	231050128N
L221.2525.05	8	25	25	150	43,6	30	21,4	25	231050128N
L221.2020.07	8	20	20	125	43,6	32	19,9	20	231070128N
L221.2525.07	8	25	25	150	43,6	32	22,4	25	231070128N
L221.2020.09	8	20	20	125	43,6	34	20,9	20	231090128N
L221.2525.09	8	25	25	150	43,6	34	23,4	25	231090128N

F6

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L221...	01.60.12	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

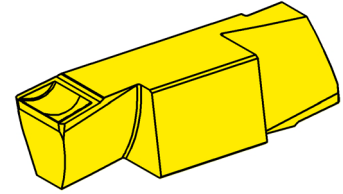
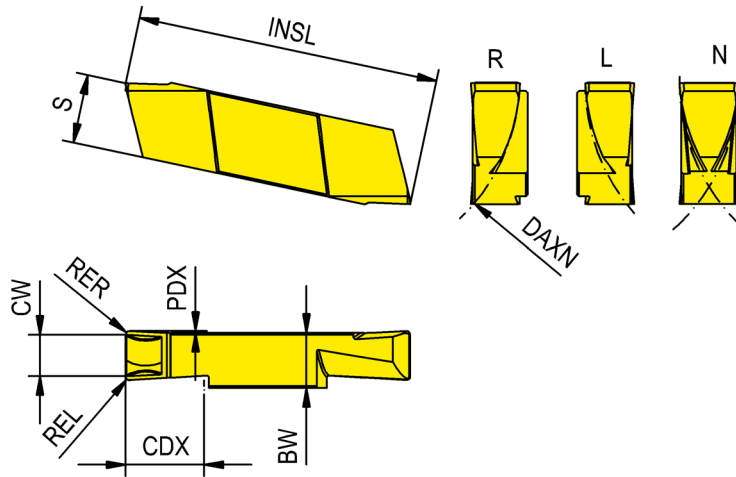
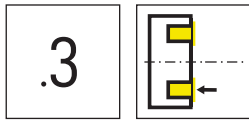
Artikelnummer Part number	CDX	H	B	OAL	LF	LH	WF	HF	Trennstelle W Interface W
R228.2020.04	8	20	20	125	119	35,5	38,5	20	231040128N
R228.2525.04	8	25	25	150	144	35,5	38,5	25	231040128N
R228.2020.05	8	20	20	125	119	35,5	38,5	20	231050128N
R228.2525.05	8	25	25	150	144	35,5	38,5	25	231050128N
R228.2020.07	8	20	20	125	119	35,5	38,5	20	231070128N
R228.2020.09	8	20	20	125	119	35,5	38,5	20	231090128N
L228.2020.04	8	20	20	125	119	35,5	38,5	20	231040128N
L228.2525.04	8	25	25	150	144	35,5	38,5	25	231040128N
L228.2020.05	8	20	20	125	119	35,5	38,5	20	231050128N
L228.2525.05	8	25	25	150	144	35,5	38,5	25	231050128N
L228.2525.07	8	25	25	150	144	35,5	38,5	25	231070128N
L228.2525.09	8	25	25	150	144	35,5	38,5	25	231090128N

F6

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Zylinderstift Straight pin
R/L228...	01.60.12	T20PQ	6M6.28.8735



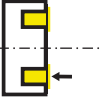
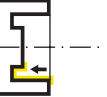
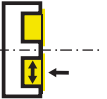
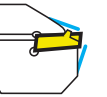
Sorten
Grades

▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	DAXN	PDX	BW	INSL	S	Trennstelle M Interface M	TN35
R231.4030.32	3	8	0,2	0,2	40	0,2	3,6	30,85	7	231040128N	▲
R231.4040.32	4	8	0,2	0,2	40	0,2	3,6	30,85	7	231040128N	▲
R231.4050.34	5	8	0,4	0,4	40	0,2	5,8	30,85	7	231050128N	▲
L231.4030.32	3	8	0,2	0,2	40	0,2	3,6	30,85	7	231040128N	▲
L231.4040.32	4	8	0,2	0,2	40	0,2	3,6	30,85	7	231040128N	▲
L231.4050.34	5	8	0,4	0,4	40	0,2	5,8	30,85	7	231050128N	▲
N231.4060.34	6	8	0,4	0,4	40	0,2	5,8	30,85	7	231050128N	▲
N231.4070.36	7	8	0,6	0,6	40	0,2	7,8	30,85	7	231070128N	Δ
N231.4080.36	8	8	0,6	0,6	40	0,2	7,8	30,85	7	231070128N	▲
N231.4090.38	9	8	0,8	0,8	40	0,2	9,8	30,85	7	231090128N	Δ
N231.4100.38	10	8	0,8	0,8	40	0,2	9,8	30,85	7	231090128N	Δ
										P ●	
										M -	
										K -	
										N -	
										S -	
										H -	

F6

Kapitel Chapter	F									
	F1			F2	F3	F4	F5	F6	F7	F8
System System	105	109	110	114	15A 25A	224	229	231	312	315

CW	0,5-3	2-3	3	1-3	2-4	3-6	4-6	3-10	1,5-5	1,5-3
CDX	>2	20	30	>1,5	>12	14	10-25	8	2-3,5	1,6-2
DAXN	>5	15	>20	>12	>15	>38	>65	40	30	>8
DAXX	46			36	80	1000	1000			
	•	•	•	•	•	•	•	•	•	•
	•	○	○	•	•	•	•			
	•	○	○	•	•	•	•			
	•			•	•	•	•			
	•	•	•		•	•	•			
				•	•	•	•			

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Klemmhalter und Schneidplatten

Stechbreite 1,5 - 5 mm

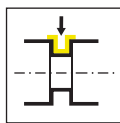
Toolholder and Inserts

Width of groove 1,5 - 5 mm

Inhaltsangabe

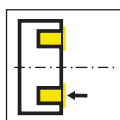
Summary

Klemmhalter
Toolholder
360/369

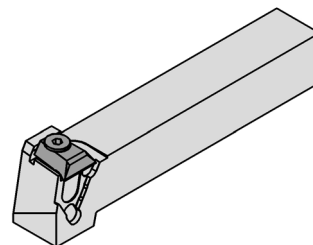
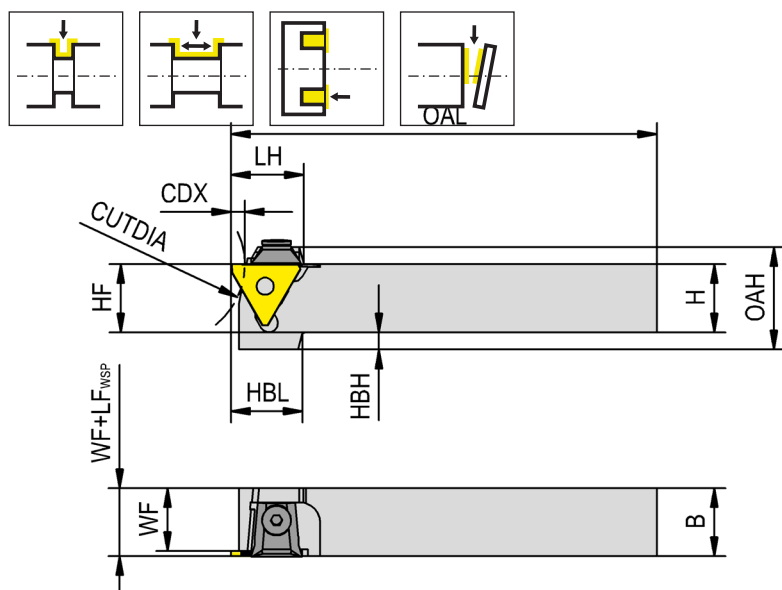


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669-670

Wendeschnidplatte
Indexable insert
312



Seite/Page
671



R = rechts wie gezeichnet
R = right hand version shown

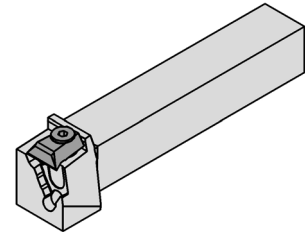
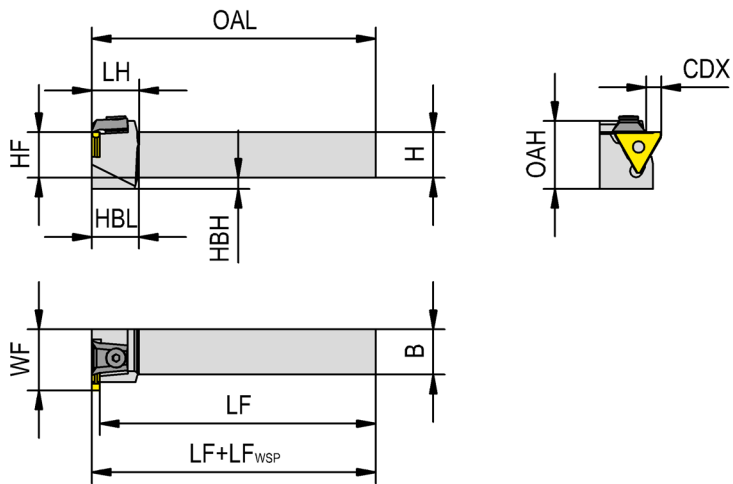
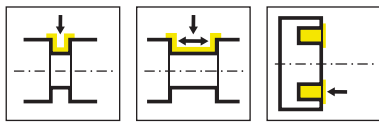
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R360.1212.02	6	40	12	12	100	22	24	30	13	9,5	12	31202000N
R360.1616.02	6	40	16	16	125	22	22	30	9	13,5	16	31202000N
R360.2020.02	6	40	20	20	125	22	21	30	5	17,5	20	31202000N
R360.2525.02	6	40	25	25	150	22	-	30	-	22,5	25	31202000N
R360.3232.02	6	40	32	32	170	22	-	37	-	29,5	32	31202000N
R360.1212.03	6	40	12	12	100	22	24	30	13	8,5	12	31203000N
R360.1616.03	6	40	16	16	125	22	22	30	9	12,5	16	31203000N
R360.2020.03	6	40	20	20	125	22	21	30	5	16,5	20	31203000N
R360.2525.03	6	40	25	25	150	22	-	30	-	21,5	25	31203000N
R360.3232.03	6	40	32	32	170	22	-	37	-	28,5	32	31203000N
R360.1616.04	6	40	16	16	125	22	22	30	9	10,8	16	31204000N
R360.2020.04	6	40	20	20	125	22	21	30	5	14,8	20	31204000N
R360.2525.04	6	40	25	25	150	22	-	30	-	19,8	25	31204000N
R360.3232.04	6	40	32	32	170	22	-	37	-	26,8	32	31204000N
L360.1212.02	6	40	12	12	100	-	24	-	13	9,5	12	31202000N
L360.1616.02	6	40	16	16	125	22	22	30	9	13,5	16	31202000N
L360.2020.02	6	40	20	20	125	22	21	30	5	17,5	20	31202000N
L360.2525.02	6	40	25	25	150	22	-	30	-	22,5	25	31202000N
L360.3232.02	6	40	32	32	170	22	-	37	-	29,5	32	31202000N
L360.1212.03	6	40	12	12	100	22	24	30	13	8,5	12	31203000N
L360.1616.03	6	40	16	16	125	22	22	30	9	12,5	16	31203000N
L360.2020.03	6	40	20	20	125	22	21	30	5	16,5	20	31203000N
L360.2525.03	6	40	25	25	150	22	-	30	-	21,5	25	31203000N
L360.3232.03	6	40	32	32	170	22	-	37	-	28,5	32	31203000N
L360.1616.04	6	40	16	16	125	22	22	30	9	10,8	16	31204000N
L360.2020.04	6	40	20	20	125	22	21	30	5	14,8	20	31204000N
L360.2525.04	6	40	25	25	150	22	-	30	-	19,8	25	31204000N
L360.3232.04	6	40	32	32	170	22	-	37	-	26,8	32	31202000N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L360....	11.3
R/L360...	16.4
R/L360.1616.04	13.4



R = rechts wie gezeichnet
R = right hand version shown

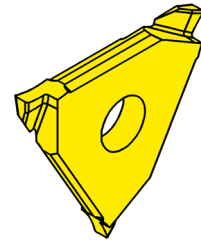
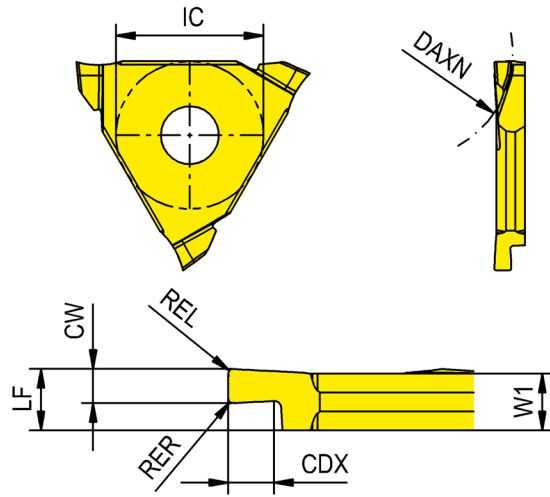
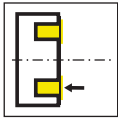
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	H	B	OAL	LF	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R369.2020.02	6	20	20	125	122,5	20	20	30	5	27	20	31202000N
R369.2525.02	6	25	25	150	147,5	20	-	30	-	32	25	31202000N
R369.2020.03	6	20	20	125	121,5	20	20	30	5	27	20	31203000N
R369.2525.03	6	25	25	150	146,5	20	-	30	-	32	25	31203000N
R369.2020.04	6	20	20	125	119,8	20	20	30	5	27	20	31204000N
R369.2525.04	6	25	25	150	144,8	20	-	30	-	32	25	31204000N
L369.2020.02	6	20	20	125	122,5	20	20	30	5	27	20	31202000N
L369.2525.02	6	25	25	150	147,5	20	-	30	-	32	25	31202000N
L369.2020.03	6	20	20	125	121,5	20	20	30	5	27	20	31203000N
L369.2525.03	6	25	25	150	146,5	20	-	30	-	32	25	31203000N
L369.2020.04	6	20	20	125	119,8	20	20	30	5	27	20	31204000N
L369.2525.04	6	25	25	150	144,8	20	-	30	-	32	25	31204000N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element
R/L369...	16.4



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	DAXN	W1	LF	IC	Trennstelle M Interface M	EG55	TN35
R312.2015.02	1,5	2	0,2	0,2	20	2,5	2,7	13	31202000N	▲	▲
R312.3020.02	2	3	0,2	0,2	30	2,5	2,7	13	31202000N	▲	▲
R312.3030.02	3	3	0,2	0,2	30	3,5	3,7	13	31203000N	▲	▲
R312.3040.02	4	3,5	0,2	0,2	30	4,1	4,3	13	31204000N	Δ	Δ
R312.3050.02	5	3,5	0,2	0,2	30	5,1	5,3	13	31204000N	Δ	Δ
L312.2015.02	1,5	2	0,2	0,2	20	2,5	2,7	13	31202000N	▲	▲
L312.3020.02	2	3	0,2	0,2	30	2,5	2,7	13	31202000N	▲	▲
L312.3030.02	3	3	0,2	0,2	30	3,5	3,7	13	31203000N	▲	▲
L312.3050.02	5	3,5	0,2	0,2	30	5,1	5,3	13	31204000N	Δ	Δ
										P	●
										M	●
										K	-
										N	-
										S	-
										H	-

Kapitel Chapter	F									
	F1			F2	F3	F4	F5	F6	F7	F8
System System	105	109	110	114	15A 25A	224	229	231	312	315

CW	0,5-3	2-3	3	1-3	2-4	3-6	4-6	3-10	1,5-5	1,5-3
CDX	>2	20	30	>1,5	>12	14	10-25	8	2-3,5	1,6-2
DAXN	>5	15	>20	>12	>15	>38	>65	40	30	>8
DAXX	46			36	80	1000	1000			
	•	•	•	•	•	•	•	•	•	•
	•	○	○	•	•	•	•			
	•	○	○	•	•	•	•			
	•			•	•	•	•			
	•	•	•		•	•	•			
				•	•	•	•			

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Klemmhalter und Schneidplatten

Stechbreite 1,5 - 3 mm

Toolholder and Inserts

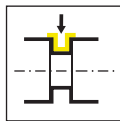
Width of groove 1,5 - 3 mm

F8

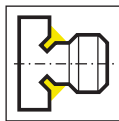
Inhaltsangabe

Summary

Klemmhalter
Toolholder
356/357

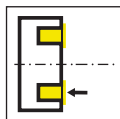


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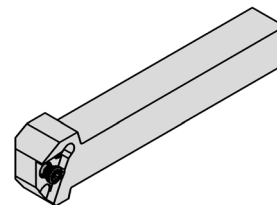
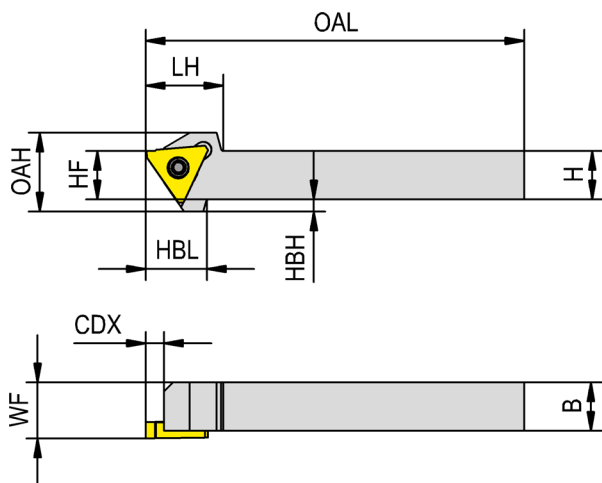
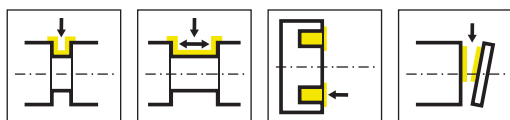
Wendeschnidplatte
Indexable insert
A315



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678-679

Technische Hinweise
Technical Instructions

Seite/Page
680



R = rechts wie gezeichnet
R = right hand version shown

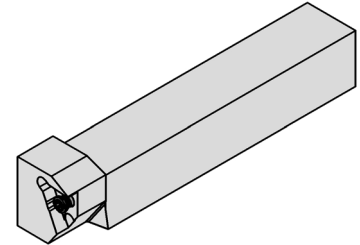
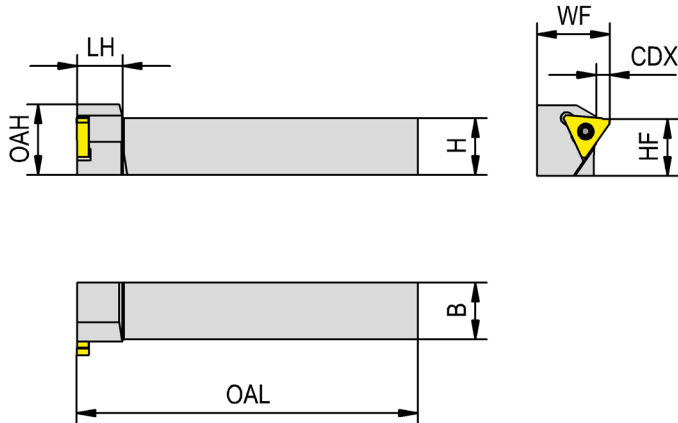
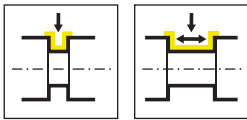
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	H	B	OAL	LH	HBL	OAH	HBH	WF	HF	Trennstelle W Interface W
R356.1616.03	6	16	16	125	25	20	26	4	16,3	16	31503051R
R356.2020.03	6	20	20	125	25	-	26	-	20,3	20	31503051R
R356.2525.03	6	25	25	150	25	-	31	-	25,3	25	31503051R
R356.3232.03	6	32	32	170	25	-	38	-	32,3	32	31503051R
R356.1616.05	6	16	16	125	25	20	26	4	16,3	16	31505051R
R356.2020.05	6	20	20	125	25	-	26	-	20,3	20	31505051R
R356.2525.05	6	25	25	150	25	-	31	-	25,3	25	31505051R
R356.3232.05	6	32	32	170	25	-	38	-	32,3	32	31505051R
R356.2525.07	6	25	25	150	25	-	31	-	25,3	25	31507051R
R356.2020.07	6	20	20	125	25	-	26	-	20,3	20	31507051R
R356.3232.07	6	32	32	170	25	-	38	-	32,3	32	31507051R
L356.1616.03	6	16	16	125	25	20	26	4	16,3	16	31503051L
L356.2020.03	6	20	20	125	25	-	26	-	20,3	20	31503051L
L356.2525.03	6	25	25	150	25	-	31	-	25,3	25	31503051L
L356.3232.03	6	32	32	170	25	-	38	-	32,3	32	31503051L
L356.1616.05	6	16	16	125	25	20	26	4	16,3	16	31505051L
L356.2020.05	6	20	20	125	25	-	26	-	20,3	20	31505051L
L356.2525.05	6	25	25	150	25	-	31	-	25,3	25	31505051L
L356.3232.05	6	32	32	170	25	-	38	-	32,3	32	31505051L
L356.2525.07	6	25	25	150	25	-	31	-	25,3	25	31507051L
L356.2020.07	6	20	20	125	25	-	26	-	20,3	20	31507051L
L356.3232.07	6	32	32	170	25	-	38	-	32,3	32	31507051L

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L356...	5.12T20P	T20PQ
R/L356...07	5.15T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

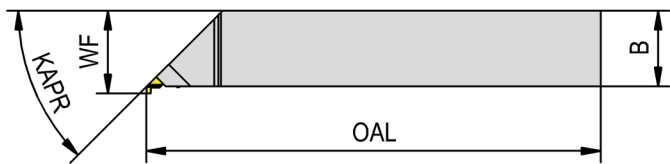
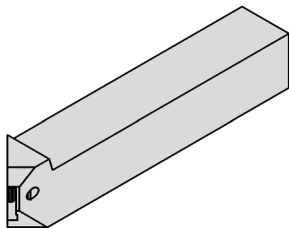
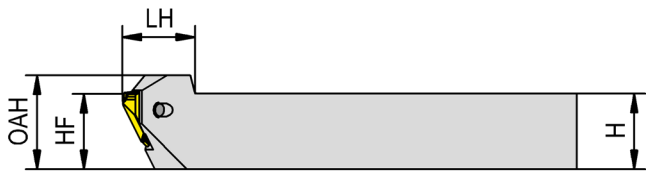
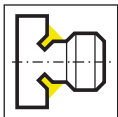
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	H	B	OAL	LH	OAH	WF	HF	Trennstelle W Interface W
R357.2020.05	6	20	20	125,3	20	26	27	20	31505051L
R357.2525.05	6	25	25	150,3	20	31	32	25	31505051L
L357.2020.05	6	20	20	125,3	20	26	27	20	31505051R
L357.2525.05	6	25	25	150,3	20	31	32	25	31505051R

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L357...	5.12T20P	T20PQ



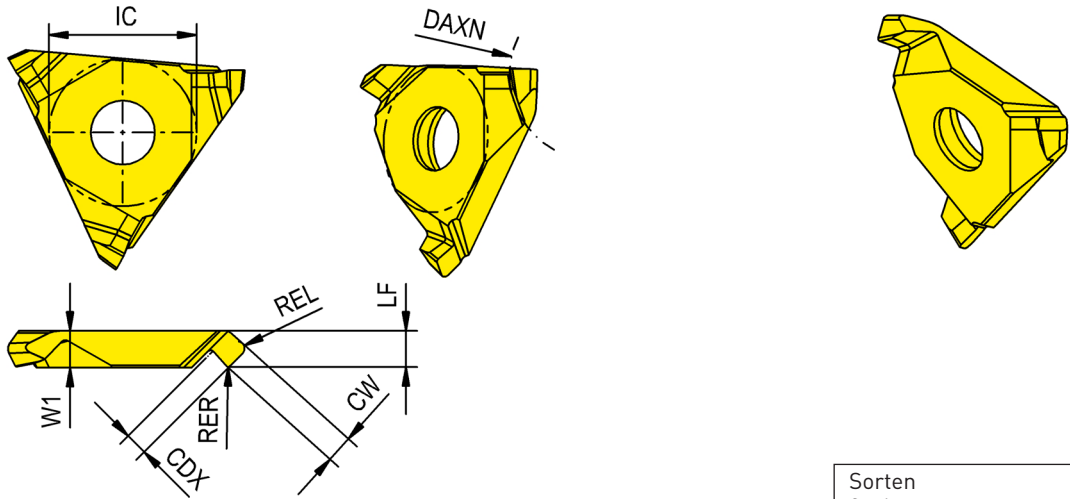
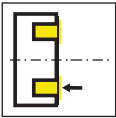
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	H	B	OAL	LH	OAH	WF	HF	KAPR	Trennstelle W Interface W
R356.1616.45.03	16	16	125	24	26	18,3	16	45°	31503051L
R356.2020.45.03	20	20	125	24	26	22,3	20	45°	31503051L
R356.2525.45.03	25	25	150	24	31	27,3	25	45°	31503051L
L356.1616.45.03	16	16	125	24	26	18,3	16	45°	31503051R
L356.2020.45.03	20	20	125	24	26	22,3	20	45°	31503051R
L356.2525.45.03	25	25	150	24	31	27,3	25	45°	31503051R

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L356...	5F.08T20P	T20PQ



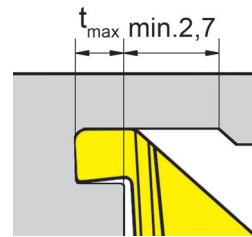
L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	DAXN	W1	LF	IC	Trennstelle M Interface M	TH35	TN35
RA315.0815.45.04L	1,5	1,6	0,2	0,4	8	3,25	1,68	13	31503051R	▲	▲
RA315.1220.45.05L	2	1,8	0,2	0,5	12	3,25	1,68	13	31503051R	▲	▲
RA315.2024.45.06L	2,4	2	0,2	0,6	20	3,25	1,69	13	31503051R	Δ	▲
LA315.0815.45.04R	1,5	1,6	0,4	0,2	8	3,25	1,68	13	31503051L	▲	▲
LA315.1220.45.05R	2	1,8	0,5	0,2	12	3,25	1,68	13	31503051L	▲	▲
LA315.2024.45.06R	2,4	2	0,6	0,2	20	3,25	1,69	13	31503051L	▲	▲

Der Freistich muss VOR der Axialbearbeitung eingebracht werden!
The undercut must be placed BEFORE the axial machining!



P	●	●
M	-	-
K	-	●
N	-	-
S	-	-
H	-	-

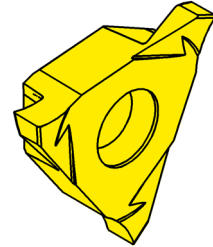
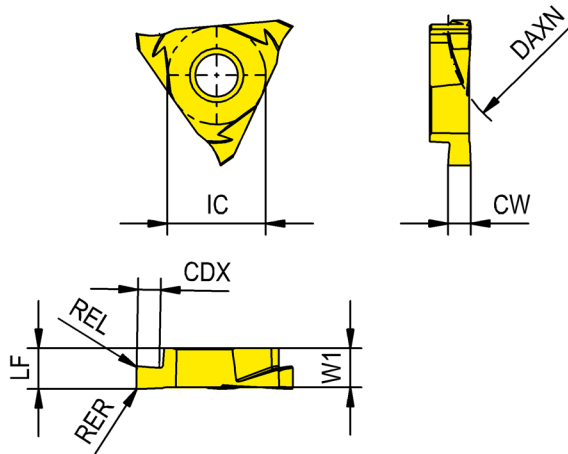
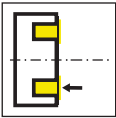


Abbildung = R...L
Picture = R...L

Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	CW	CDX	REL	RER	DAXN	W1	LF	IC	Trennstelle M Interface M	TH35
RA315.2015.02R	1,5	2	0,2	0,2	20	5,2	5,4	13	31505051R	Δ
RA315.3020.02R	2	3	0,2	0,2	30	5,2	5,4	13	31505051R	▲
RA315.2015.02R	1,5	2	0,2	0,2	20	5,2	5,4	13	31505051R	Δ
RA315.3020.02R	2	3	0,2	0,2	30	5,2	5,4	13	31505051R	▲
RA315.3030.02L	3	3	0,2	0,2	30	5,2	5,4	13	31505051R	▲
RA315.3030.02R	3	3	0,2	0,2	30	5,2	5,4	13	31505051R	Δ
LA315.2015.02R	1,5	2	0,2	0,2	20	5,2	5,4	13	31505051L	▲
LA315.3020.02R	2	3	0,2	0,2	30	5,2	5,4	13	31505051L	▲
LA315.2015.02R	1,5	2	0,2	0,2	20	5,2	5,4	13	31505051L	▲
LA315.3020.02R	2	3	0,2	0,2	30	5,2	5,4	13	31505051L	▲
LA315.3030.02L	3	3	0,2	0,2	30	5,2	5,4	13	31505051L	Δ
LA315.3030.02R	3	3	0,2	0,2	30	5,2	5,4	13	31505051L	▲
									P ●	
									M ●	
									K -	
									N -	
									S -	
									H -	

Wahl der Kassette

Verwenden Sie immer die Kassette, welche vom Bereich für den Außendurchmesser Ihrer Anwendung passt, um die größtmögliche Stabilität des Werkzeugs zu erhalten.

Cassette Selection

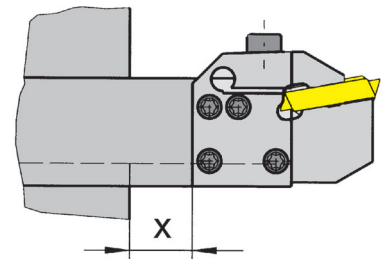
Select the cassette to suit the major diameter of the face groove to be cut.

Vemeiden von Vibrationen

Die Auskraglänge (x) des Klemmhalters sollte so gering wie möglich sein, um Vibrationen und Ablenkungen zu vermeiden.

Stable Setup

The tool should be set to give the minimum overhang to achieve maximum stability.

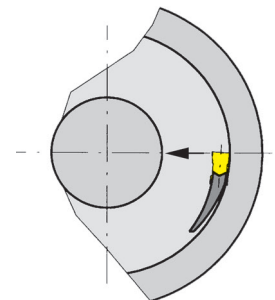


Arbeitsfolge

Das Auskammern breiterer Planeinstiche sollte stets vom Außendurchmesser nach innen erfolgen. Liegt der Durchmesser-Bereich der Kassette am inneren Durchmesser, kann nur von innen nach außen gefahren werden.

Working Practice

When turning to open up the face groove the cut should be taken from the major $\varnothing$ towards the minor $\varnothing$.

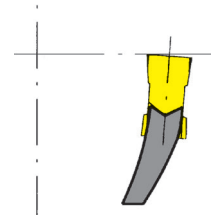


Einrichten des Werkzeugs

Richten Sie das Werkzeug exakt auf Drehmitte aus, um ein Anlaufen bzw. Streifen der Kommaunterstützung zu vermeiden.

Tool Setup

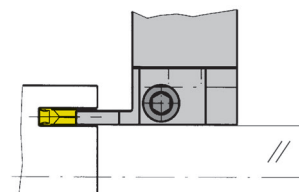
The tool should be set to centre height to ensure correct cutting and support clearance.



F8

Achten Sie auf parallele Stellung des Werkzeugs zur Drehachse.

The tool must be set parallel to the rotation axis of the workpiece.



GRUNDHALTER MIT VDI-AUFNAHME UND SCHWERTAUFNAHME

BASIC TOOLHOLDER WITH ADAPTER VDI
AND ADAPTOR FOR BLADES

System/System

Seite/Page

**VDI und
Schwertaufnahme**

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VDI and Adaptor for blades

HCG - HORN Catalogue Guide

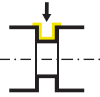
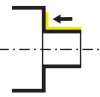
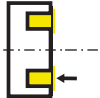
Kapitel Chapter	G								
	G1								
Grundhalter Basic toolholder	für Scheibenrevolver for turrets				für Sternrevolver for star turrets				für Schwerter for blades
	VDI...B1	VDI...B2	VDI...B3	VDI...B4	VDI...C1	VDI...C2	VDI...C3	VDI...C4	NASH

Anbindung maschinenseitig / Connection machine side

VDI25	•	•	•	•	•	•	•	•	
VDI30	•	•	•	•	•	•	•	•	
VDI40	•	•	•	•	•	•	•	•	
VDI50	•	•	•	•	•	•	•	•	
20x20									•
25x25									•

Halter Schaft / Holder shank

16x16	•	•	•	•	•	•	•	•	
20x20	•	•	•	•	•	•	•	•	
25x25	•	•	•	•	•	•	•	•	
26									•
32									•

	•	•	•	•	•	•	•	•	
	•	•	•	•	•	•	•	•	
	•	•	•	•	•	•	•	•	
	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•

VDI



Grundhalter mit VDI-Aufnahme für Scheiben- und Stern-Revolver und Schwertaufnahme

Direkte Kühlung der Schneide

Basic Toolholder with VDI adaptor for turrets and star turrets and adapter for blades

Direct cutting edge coolant

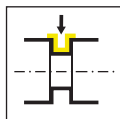
Inhaltsangabe

Summary

Technische Hinweise
Technical Instructions

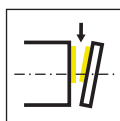
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Grundhalter
Basic toolholder
VDI



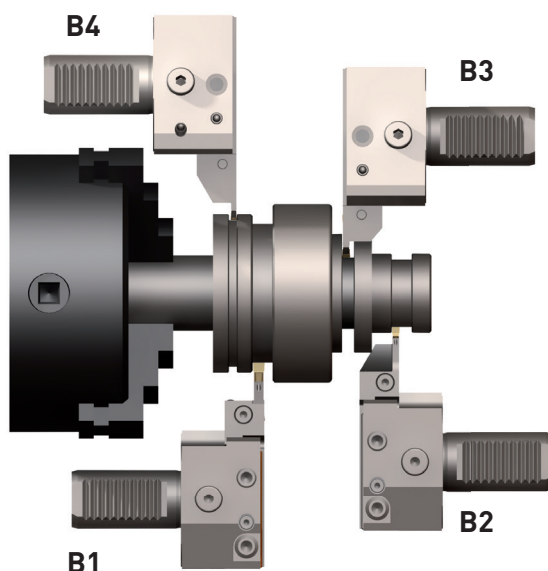
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Schwertaufnahme
Adaptor for blades
NASH



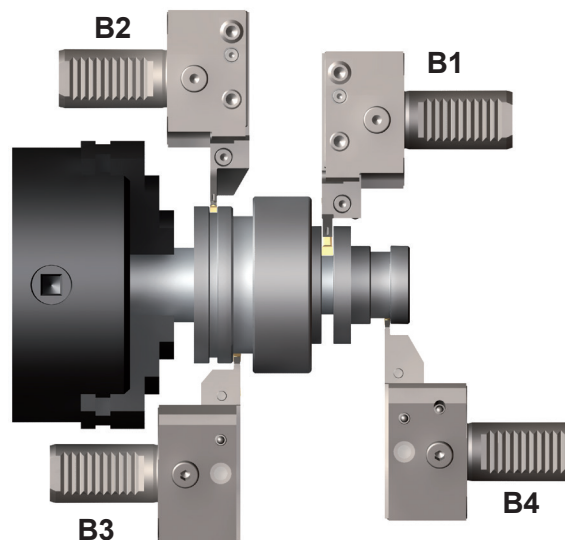
Seite/Page
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Einbausituation radial-rechts
Installation position radially-right



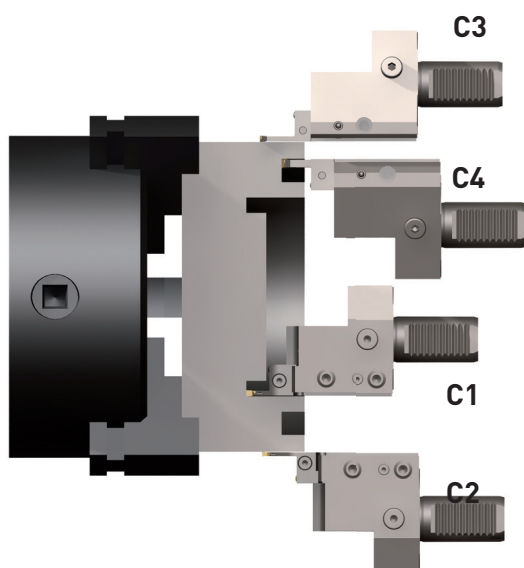
Ausführung B1 / B2 = Normallage
Ausführung B3 / B4 = Überkopf
Version B1 / B2 = normal position
Version B3 / B4 = overhead position

Einbausituation radial-links
Installation position radially-left

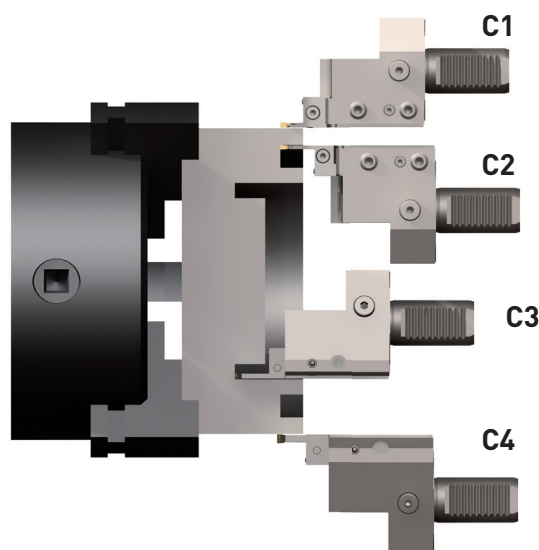


Ausführung C1 / C2 = Normallage
Ausführung C3 / C4 = Überkopf
Version C1 / C2 = normal position
Version C3 / C4 = overhead position

Einbausituation axial-rechts
Installation position axially-right



Einbausituation axial-links
Installation position axially-left



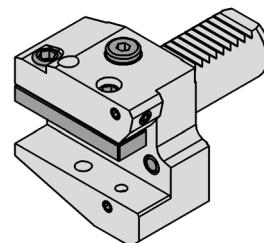
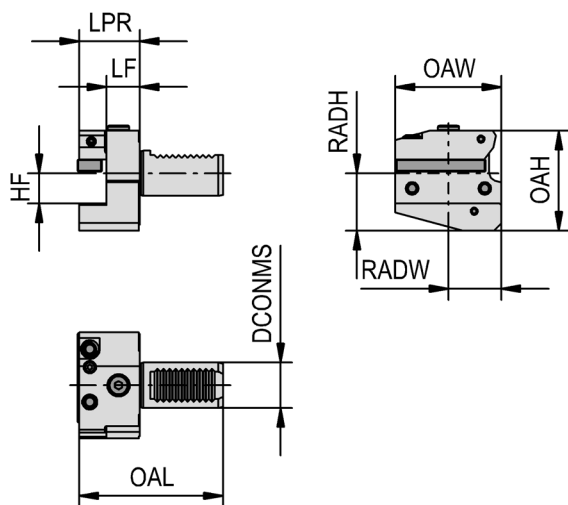


Abbildung = VDI-Halter Typ B1

Picture = VDI Toolholder Type B1

Artikelnummer Part number	OAH	DCONMS	HF	OAL	OAW	LF	RADH	RADW	LPR	Trennstelle W Interface W	Trennstelle M Interface M
VDI25.B1.16.30.IK	55	25	16	78	55	16	30	30	30	VKT16160115 • VKT16160105	ZYV02500115
VDI25.B3.16.30.IK	55	25	16	78	55	16	30	30	30	VKT16160115 • VKT16160105	ZYV02500115
VDI30.B1.20.40.IK	66	30	20	95	70	22	38	35	40	VKT20200115 • VKT20200105	ZYV03000115
VDI30.B3.20.40.IK	66	30	20	95	70	22	38	35	40	VKT20200115 • VKT20200105	ZYV03000115
VDI40.B1.25.44.IK	80,5	40	25	107	85	22	48	42,5	44	VKT25250115 • VKT25250105	ZYV04000115
VDI40.B3.25.44.IK	80,5	40	25	107	85	22	48	42,5	44	VKT25250115 • VKT25250105	ZYV04000115
VDI50.B1.25.52.IK	95	50	25	130	100	30	60	50	52	VKT25250115 • VKT25250105	ZYV05000115
VDI50.B3.25.52.IK	95	50	25	130	100	30	60	50	52	VKT25250115 • VKT25250105	ZYV05000115

Ausführung B1 = Normallage

Ausführung B3 = Überkopf

Version B1 = normal position

Version B3 = overhead position

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Kugelspritzdüse Coolant spray nozzle
VDI25...	020.0806.3116

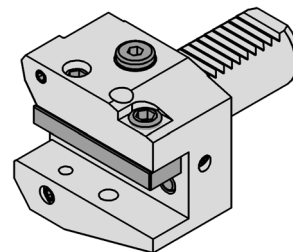
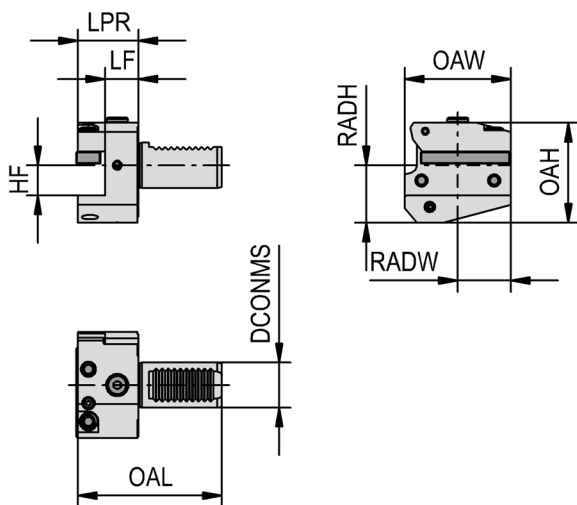


Abbildung = VDI-Halter Typ B2

Picture = VDI Toolholder Type B2

Artikelnummer Part number	OAH	DCONMS	HF	OAL	OAW	LF	RADH	RADW	LPR	Trennstelle W Interface W	Trennstelle M Interface M
VDI25.B2.16.30.IK	55	25	16	78	55	16	30	30	30	VKT16160115 • VKT16160105	ZYV02500115
VDI25.B4.16.30.IK	55	25	16	78	55	16	30	30	30	VKT16160115 • VKT16160105	ZYV02500115
VDI30.B2.20.40.IK	66	30	20	95	70	22	38	35	40	VKT20200115 • VKT20200105	ZYV03000115
VDI30.B4.20.40.IK	66	30	20	95	70	22	38	35	40	VKT20200115 • VKT20200105	ZYV03000115
VDI40.B2.25.44.IK	80,5	40	25	107	85	22	48	42,5	44	VKT25250115 • VKT25250105	ZYV04000115
VDI40.B4.25.44.IK	80,5	40	25	107	85	22	48	42,5	44	VKT25250115 • VKT25250105	ZYV04000115
VDI50.B2.25.52.IK	95	50	25	130	100	30	60	50	52	VKT25250115 • VKT25250105	ZYV05000115
VDI50.B4.25.52.IK	95	50	25	130	100	30	60	50	52	VKT25250115 • VKT25250105	ZYV05000115

Ausführung B2 = Normallage

Ausführung B4 = Überkopf

Version B2 = normal position

Version B4 = overhead position

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Kugelspritzdüse Coolant spray nozzle
VDI25...	020.0806.3116

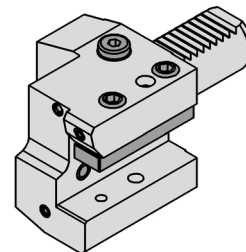
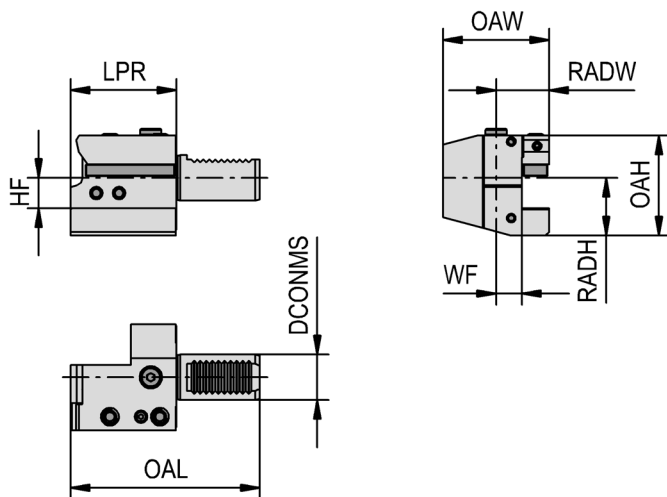


Abbildung = VDI-Halter Typ C1

Picture = VDI Toolholder Type C1

Artikelnummer Part number	OAH	DCONMS	HF	OAL	OAW	RADH	RADW	LPR	WF	Trennstelle W Interface W	Trennstelle M Interface M
VDI25.C1.16.IK	55	25	16	103	58	30	33	55	19	VKT16160115 • VKT16160105	ZYV02500115
VDI25.C3.16.IK	55	25	16	103	58	30	33	55	19	VKT16160115 • VKT16160105	ZYV02500115
VDI25.C1.20.IK	62	25	20	118	58	37	33	70	15	VKT20200115 • VKT20200105	ZYV02500115
VDI25.C3.20.IK	62	25	20	118	58	37	33	70	15	VKT20200115 • VKT20200105	ZYV02500115
VDI30.C1.20.IK	66	30	20	125	70	38	35	70	17	VKT20200115 • VKT20200105	ZYV03000115
VDI30.C3.20.IK	66	30	20	125	70	38	35	70	17	VKT20200115 • VKT20200105	ZYV03000115
VDI40.C1.25.IK	80,5	40	25	148	85	48	42,5	85	20,5	VKT25250115 • VKT25250105	ZYV04000115
VDI40.C3.25.IK	80,5	40	25	148	85	48	42,5	85	20,5	VKT25250115 • VKT25250105	ZYV04000115
VDI50.C1.25.IK	110	50	25	163	97,5	60	47,5	85	25,5	VKT25250115 • VKT25250105	ZYV05000115
VDI50.C3.25.IK	110	50	25	163	97,5	60	47,5	85	25,5	VKT25250115 • VKT25250105	ZYV05000115

Ausführung C1 = Normallage

Ausführung C3 = Überkopf

Version C1 = normal position

Version C3 = overhead position

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Kugelspritzdüse Coolant spray nozzle
VDI25...	020.0806.3116

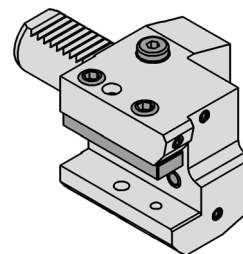
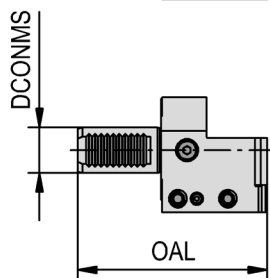
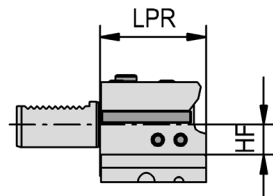
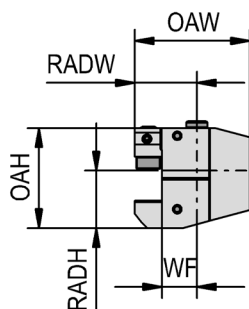


Abbildung = VDI-Halter Typ C2
Picture = VDI Toolholder Type C2

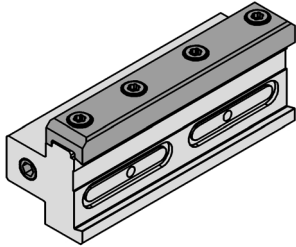
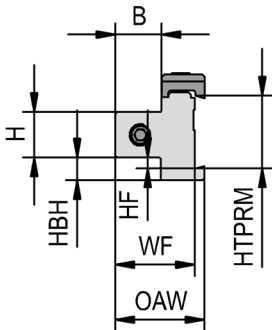
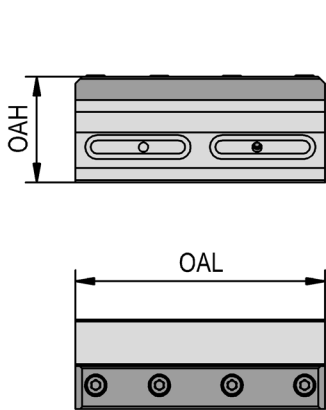
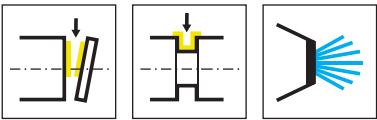
Artikelnummer Part number	OAH	DCONMS	HF	OAL	OAW	RADH	RADW	LPR	WF	Trennstelle W Interface W	Trennstelle M Interface M
VDI25.C2.16.IK	55	25	16	103	58	30	33	55	19	VKT16160115 • VKT16160105	ZYV02500115
VDI25.C4.16.IK	55	25	16	103	58	30	33	55	19	VKT16160115 • VKT16160105	ZYV02500115
VDI25.C2.20.IK	62	25	20	118	58	37	33	70	15	VKT20200115 • VKT20200105	ZYV02500115
VDI25.C4.20.IK	62	25	20	118	58	37	33	70	15	VKT20200115 • VKT20200105	ZYV02500115
VDI30.C2.20.IK	66	30	20	125	76	38	41	70	23	VKT20200115 • VKT20200105	ZYV03000115
VDI30.C4.20.IK	66	30	20	125	76	38	41	70	23	VKT20200115 • VKT20200105	ZYV03000115
VDI40.C2.25.IK	80,5	40	25	148	90	48	47,5	85	25,5	VKT25250115 • VKT25250105	ZYV04000115
VDI40.C4.25.IK	80,5	40	25	148	90	48	47,5	85	25,5	VKT25250115 • VKT25250105	ZYV04000115
VDI50.C2.25.IK	110	50	25	163	102,5	60	52,5	85	30,5	VKT25250115 • VKT25250105	ZYV05000115
VDI50.C4.25.IK	110	50	25	163	102,5	60	52,5	85	30,5	VKT25250115 • VKT25250105	ZYV05000115

Ausführung C2 = Normallage
Ausführung C4 = Überkopf
Version C2 = normal position
Version C4 = overhead position

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Kugelspritzdüse Coolant spray nozzle
VDI25...	020.0806.3116



Artikelnummer Part number	OAH	B	HF	HTPRM	OAL	OAW	WF	HBH	Trennstelle W Interface W	Trennstelle M Interface M
NASH.2020.26.05.IK	43,9	20	1,4	26	90	39,2	35	10	PMU02600115 • PMU02600105	VKT20200115
NASH.2020.32.05.IK	46,5	20	4,8	32	110	39,2	35	10	PMU03200115 • PMU03200105	VKT20200115
NASH.2525.26.05.IK	48,9	25	3,6	26	90	44,2	40	10	PMU02600115 • PMU02600105	VKT25250115
NASH.2525.32.05.IK	51,5	25	0,2	32	110	44,2	40	10	PMU03200115 • PMU03200105	VKT25250115

Ersatzteile
Spare Parts

Schwertaufnahme Adaptor for blades	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
NASH...	6.17T25P	T25PQ

Schnittstelle 220

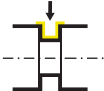
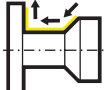
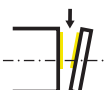
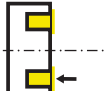
Interface 220

MODULARE HALTERSYSTEME

MODULAR HOLDER SYSTEMS

	Seite/Page
Grundhalter mit PSC-, TS-, HSK und HSKT-Aufnahme Basic Toolholder with PSC, TS, HSK and HSKT Adapter	698
Grundhalter für Bohrstange und Vierkantschaft Basic Toolholder for Boring Bar and Square Shank	718
Kassetten zur Radialbearbeitung Cassettes for Radial Machining	724

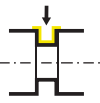
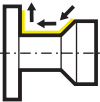
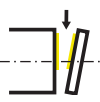
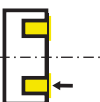
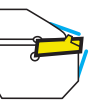
Kapitel Chapter	H					
	H1			H2		
Grundhalter Schnittstelle 220 / Basic toolholder interface 220						
Maschinen- aufnahme Adaptor	C	TS	HSK	HSKT	Rundschaft Round shank	Vierkantschaft Square Shank
	C3	TS40	HSK63	HSKT63	Ø 32	16x16
	C4	TS50		HSKT100	Ø 40	20x20
	C5	TS63				25x25
	C6					32x25
	C8					32x32

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	•	•	•	•	•	•
mit Greiferrille with tool changing groove	•	•		•		
ohne Greiferrille without tool changing groove	•		•			

Ausführung / Version

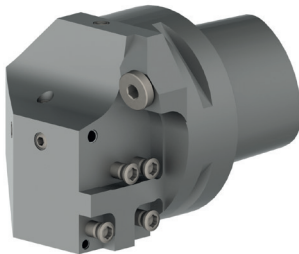
K1 0°	•	•	•	•		
K2 90°	•	•	•	•	•	
K3 10°				•		
K4 100°				•		

Kapitel Chapter	H											Kassetten axial Cassettes axial siehe / see F4-F5
	H3											
System System	Kassetten radial / Cassettes radial											
	S100	S224	S229	S274	34T	312	315	S315	S316	64T	66T	

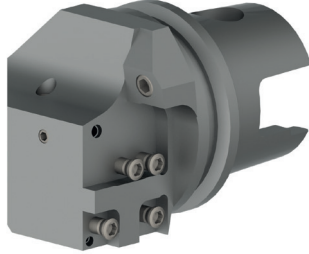
CW	2-4	2-6	3-6		1,03-5	0,5 - 6,3						
CDX	25	18	15-25	6	6,5	8	5	5	8	5,5	9,5	
CUTDIA	80	80	180/-	150	60	40		150	150	40	40	
	•	•	•	•	•	•	•	•	•	•	•	
		•	•	•	•		•	•	•	•	•	
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Grundhalter mit Schnittstelle 220

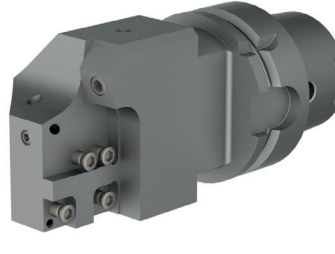
Basic holder with interface 220



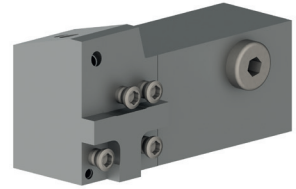
PSC



TS



HSK
HSKT



Klemmhalter
Toolholder

Kassetten mit Schnittstelle 220

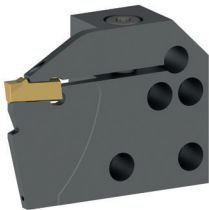
Cassettes with interface 220

Einstecken **radial**
Grooving **radial**

Schneidplatte
Insert

Einstecken **axial**
Grooving **axial**

Schneidplatte
Insert



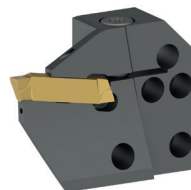
S100



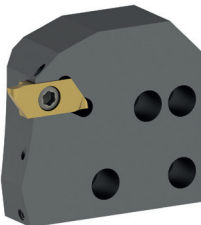
**S15A
S25A**



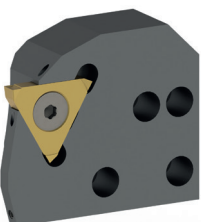
**S224
S229**



**S224
S229**



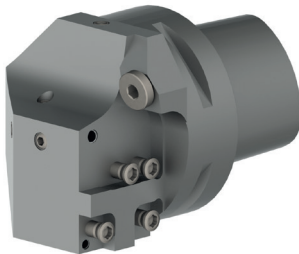
S274



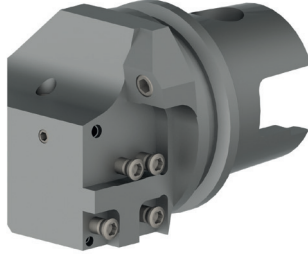
S34T

Grundhalter mit Schnittstelle 220

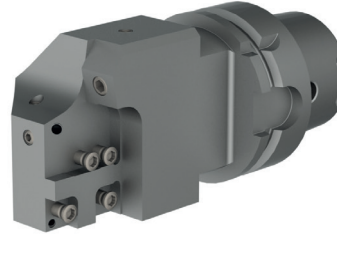
Basic holder with interface 220



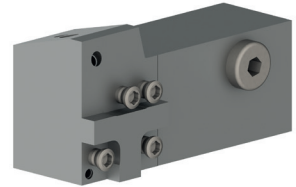
PSC



TS



HSK
HSKT



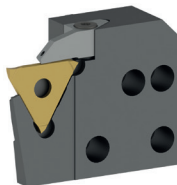
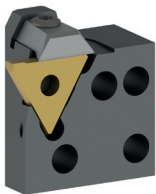
Klemmhalter
Toolholder

Kassetten mit Schnittstelle 220

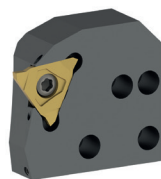
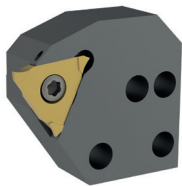
Cassettes with interface 220

Einstecken **radial**
Grooving **radial**

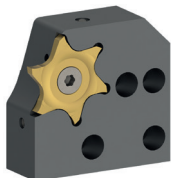
Schneidplatte
Insert



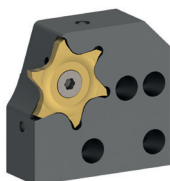
312



315
S315



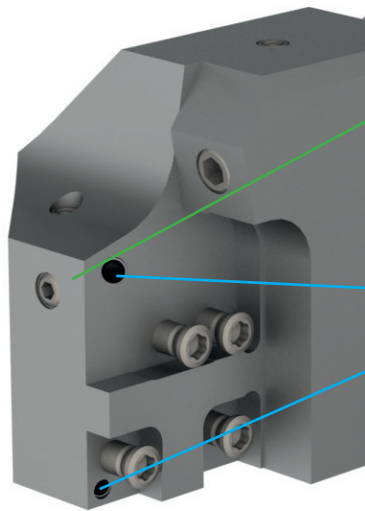
64T



66T

Grundhalter mit Schnittstelle 220

Basic holder with interface 220

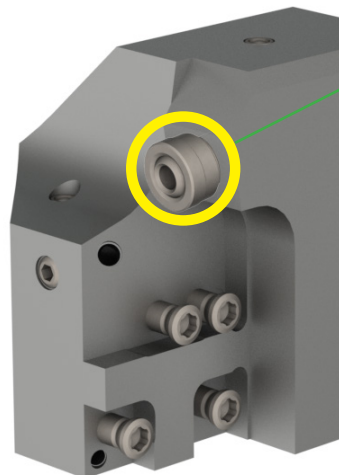


Verschluss der oberen Kühlmittelübergabe an die Kassette durch Zylinderschraube

Closure of the upper coolant supply to the cassette by cylinder head screw

Kühlmittelzufuhr

Coolant supply



Einsatz von Kassetten ohne innere Kühlmittelzufuhr unter Verwendung der Kugelspritzdüse

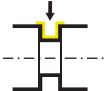
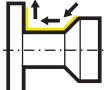
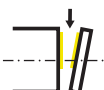
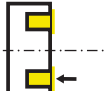
Verschluss der oberen Kühlmittelübergabe an die Kassette durch Zylinderschraube

Use of cassettes without internal coolant supply using the coolant spray nozzle

Closure of the upper coolant supply to the cassette by cylinder head screw



Kapitel Chapter	H					
	H1				H2	
Grundhalter Schnittstelle 220 / Basic toolholder interface 220						
Maschinen- aufnahme Adaptor	C	TS	HSK	HSKT	Rundschaft Round shank	Vierkantschaft Square Shank
	C3	TS40	HSK63	HSKT63	Ø 32	16x16
	C4	TS50		HSKT100	Ø 40	20x20
	C5	TS63				25x25
	C6					32x25
	C8					32x32

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	•	•	•	•		•
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	•	•	•	•	•	•
	•	•	•	•	•	•
mit Greiferrille with tool changing groove	•	•		•		
ohne Greiferrille without tool changing groove	•		•			

Ausführung / Version

K1 0°	•	•	•	•		
K2 90°	•	•	•	•	•	
K3 10°				•		
K4 100°				•		

220

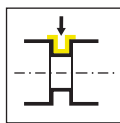
H1



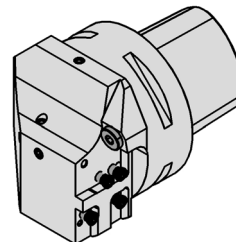
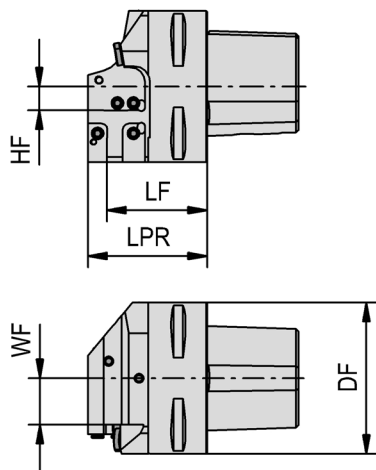
**Grundhalter mit PSC-, TS-,
HSK- und HSKT-Aufnahme
für Kassetten**

**Basic toolholder with
adaptor PSC, TS, HSK
and HSKT for cassettes**

Grundhalter
Basic toolholder
220C/C5/C6/C8
220TS/HSK-220/
HSKT63/HSKT100



Seite/Page
701-716



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
R220.00C3.K1.IK	32	12,5	36	46	4,6	22000193
R220.00C4.K1.IK	40	12,5	40	50	4,6	22000193
R220.00C5.K1.IK	50	12,5	40	50	9,6	22000193
R220.00C6.K1.IK	63	12,5	42	52	16,1	22000193
R220.00C8.K1.IK	80	12,5	53	63	24,6	22000193
L220.00C3.K1.IK	32	12,5	36	46	4,6	22000293
L220.00C4.K1.IK	40	12,5	40	50	4,6	22000293
L220.00C5.K1.IK	50	12,5	40	50	9,6	22000293
L220.00C6.K1.IK	63	12,5	42	52	16,1	22000293
L220.00C8.K1.IK	80	12,5	53	63	24,6	22000293

R/L220...IK Kugelspritzdüse optional
R/L220...IK Coolant spray nozzle optional

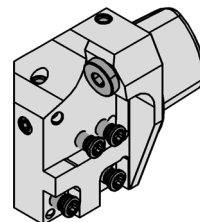
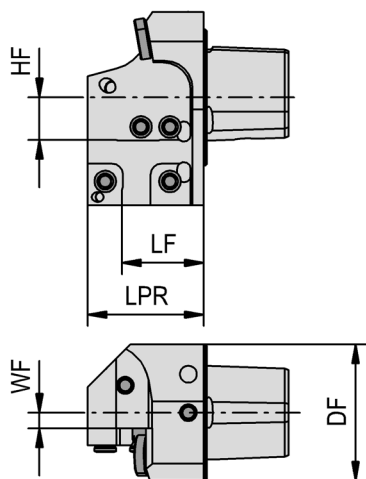
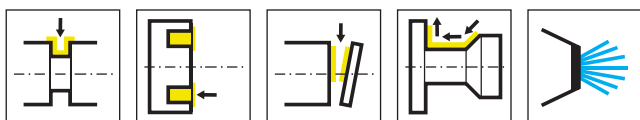
zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/L220...	5.12T20P	T20PQ	004.00.21

H1



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
R220.00C4.K10.IK	40	12,5	25	35	4,6	22000193
R220.00C5.K10.IK	50	12,5	25	35	9,6	22000193
L220.00C4.K10.IK	40	12,5	25	35	4,6	22000293
L220.00C5.K10.IK	50	12,5	25	35	9,6	22000293

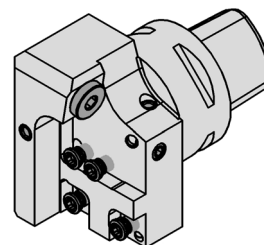
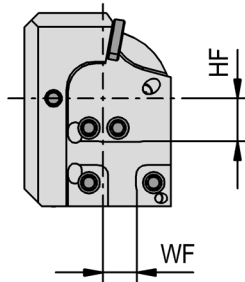
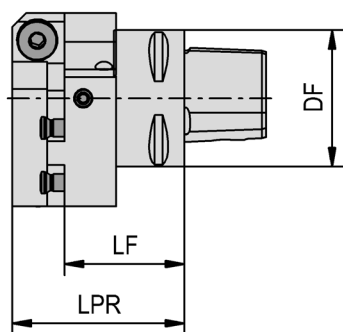
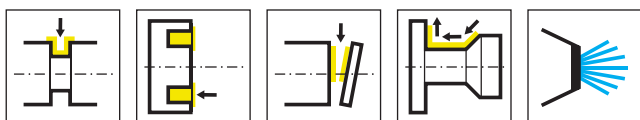
R/L220...IK Kugelspritzdüse optional
R/L220...IK Coolant spray nozzle optional

Grundhalter ohne Anzugsgewinde
Basic toolholder without tightening thread

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/L220...	5.12T20P	T20PQ	004.00.21



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
R220.00C3.K2.IK	32	12,5	31,2	46,5	10	22000293
R220.00C4.K2.IK	40	12,5	35,2	50,5	10	22000293
R220.00C5.K2.IK	50	12,5	35,2	50,5	15	22000293
R220.00C6.K2.IK	63	12,5	37,2	52,5	21,5	22000293
R220.00C8.K2.IK	80	12,5	48,2	63,5	30	22000293
L220.00C3.K2.IK	32	12,5	31,2	46,5	10	22000193
L220.00C4.K2.IK	40	12,5	35,2	50,5	10	22000193
L220.00C5.K2.IK	50	12,5	35,2	50,5	15	22000193
L220.00C6.K2.IK	63	12,5	37,2	52,5	21,5	22000193
L220.00C8.K2.IK	80	12,5	48,2	63,5	30	22000193

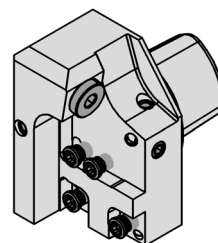
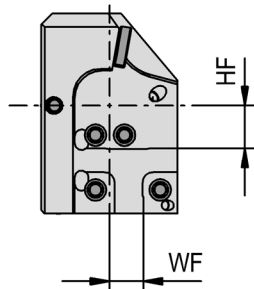
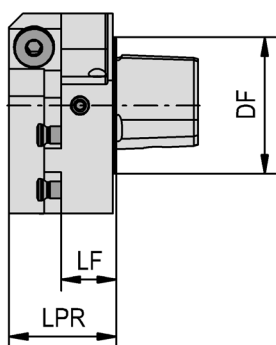
R/L220...IK Kugelspritzdüse optional
R/L220...IK Coolant spray nozzle optional

zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/L220...	5.12T20P	T20PQ	004.00.21



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
R220.00C4.K20.IK	40	12,5	16,2	31,5	10	22000293
L220.00C4.K20.IK	40	12,5	16,2	31,5	10	22000193
L220.00C5.K20.IK	50	12,5	16,2	31,5	15	22000193

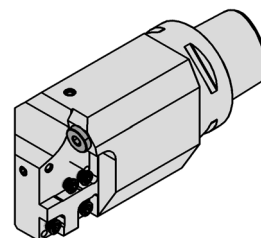
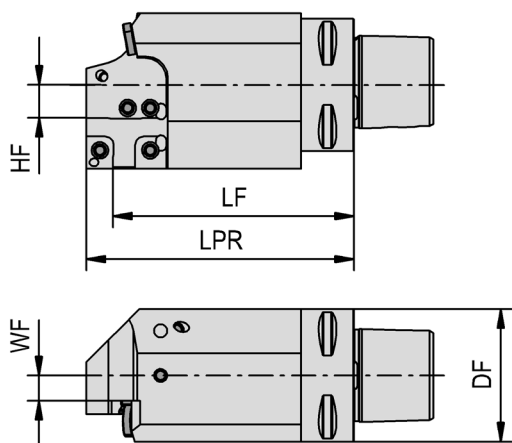
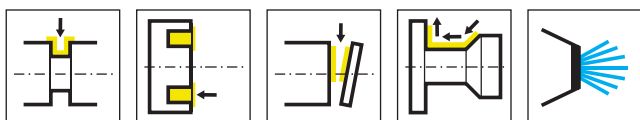
R/L220...IK Kugelspritzdüse optional
R/L220...IK Coolant spray nozzle optional

Grundhalter ohne Anzugsgewinde
Basic toolholder without tightening thread

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/L220.00C4.K20.IK	5.12T20P	T20PQ	004.00.21
L220.00C5.K20.IK	5.12T20P	T20PQ	004.00.21



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
C5.L220.120.K1.IK	50	12,5	91	101	9,6	22000293
C5.R220.120.K1.IK	50	12,5	91	101	9,6	22000193
C6.L220.120.K1.IK	63	12,5	91	101	0,6	22000293
C6.L220.150.K1.IK	63	12,5	121	131	0,6	22000293
C6.R220.120.K1.IK	63	12,5	91	101	0,6	22000193
C6.R220.150.K1.IK	63	12,5	121	131	0,6	22000193
C8.L220.150.K1.IK	80	12,5	121	131	8,6	22000293
C8.R220.150.K1.IK	80	12,5	121	131	8,6	22000193

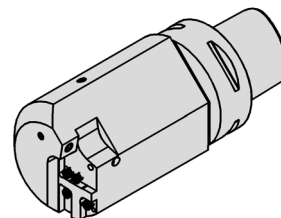
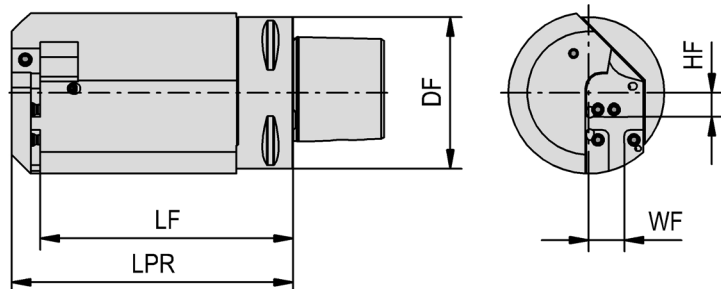
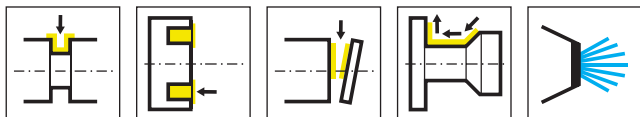
C6.R/L220...IK Kugelspritzdüse optional
C6.R/L220...IK Coolant spray nozzle optional

zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlussschraube Screw Plug
C5.L220.120.K1.IK	5.12T20P	T20PQ	
C5.R220.120.K1.IK	5.12T20P	T20PQ	
C8.L220.150.K1.IK	5.12T20P	T20PQ	
C8.R220.150.K1.IK	5.12T20P	T20PQ	
C6...	5.12T20P	T20PQ	004.00.21



R = rechts wie gezeichnet

R = right hand version shown

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
C8.R220.150.K2.IK	80	12,5	133,6	148,8	19	22000293
C8.L220.150.K2.IK	80	12,5	133,6	148,8	19	22000193

C8.R/L220...IK Kugelspritzdüse optional

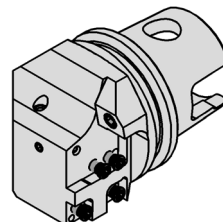
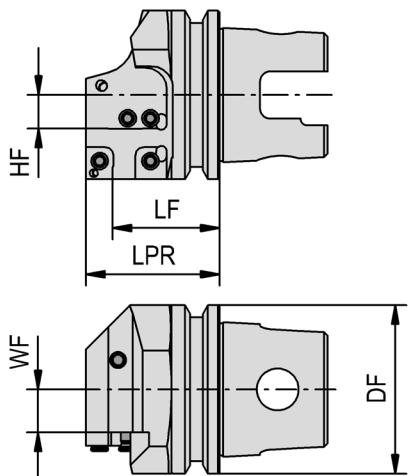
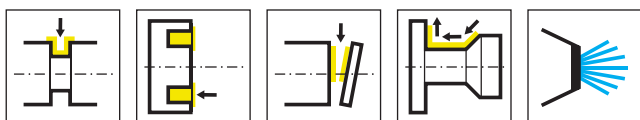
C8.R/L220...IK Coolant spray nozzle optional

zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
C8...	5.12T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
R220.TS40.K1.IK	40	12,5	40	50	4,6	22000193
R220.TS63.K1.IK	63	12,5	40	50	16,1	22000193
L220.TS40.K1.IK	40	12,5	40	50	4,6	22000293
L220.TS50.K1.IK	50	12,5	40	50	9,6	22000293
L220.TS63.K1.IK	63	12,5	40	50	16,1	22000293

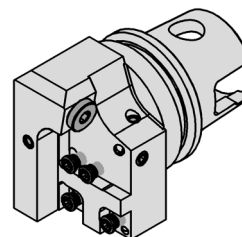
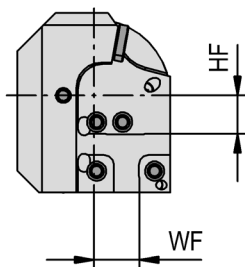
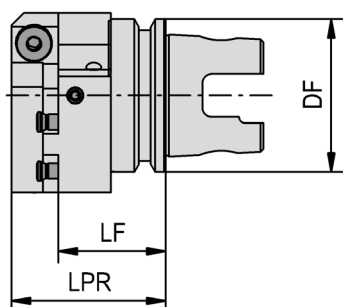
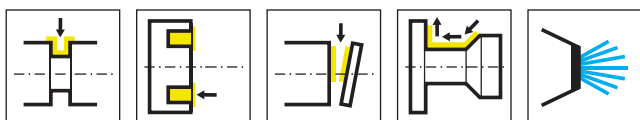
R/L220...IK Kugelspritzdüse optional
R/L220...IK Coolant spray nozzle optional

zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	Kugelspritzdüse Coolant spray nozzle	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L220.T...	5.12T20P	020.1008.2977	T20PQ
L220.TS50.K1.IK	5.12T20P	020.1008.2977	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
R220.TS40.K2.IK	40	12,5	35,2	50,5	10	22000293
R220.TS50.K2.IK	50	12,5	35,2	50,5	15	22000293
L220.TS40.K2.IK	40	12,5	35,2	50,5	10	22000193
L220.TS50.K2.IK	50	12,5	35,2	50,5	15	22000193
L220.TS63.K2.IK	63	12,5	35,2	50,5	21,5	22000193

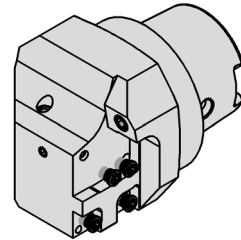
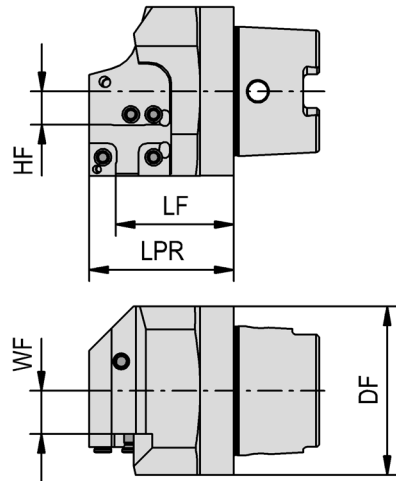
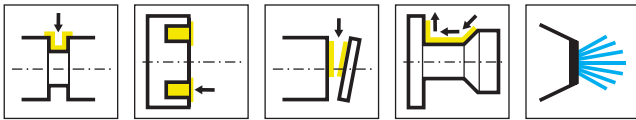
R/L220...IK Kugelspritzdüse optional
R/L220...IK Coolant spray nozzle optional

zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	Kugelspritzdüse Coolant spray nozzle	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L220.T...	5.12T20P	020.1008.2977	T20PQ
L220.TS63.K2.IK	5.12T20P	020.1008.2977	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
HSK-L220.0063.K1.IK	63	12,5	40	54	16,1	22000293
HSK-R220.0063.K1.IK	63	12,5	44	54	16,1	22000193

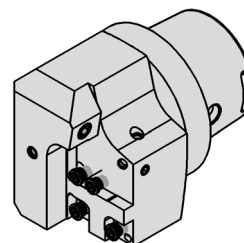
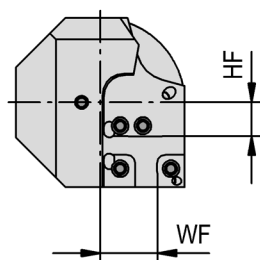
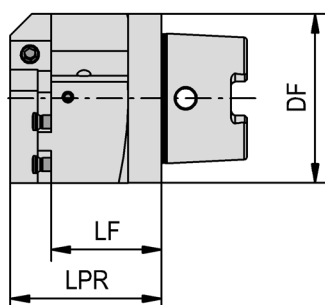
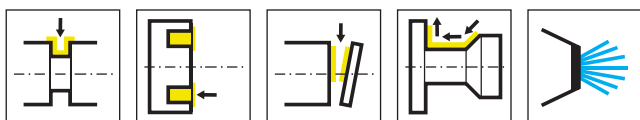
HSK-R/L220...IK Kugelspritzdüse optional
HSK-R/L220...IK Coolant spray nozzle optional

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	Kugelspritzdüse Coolant spray nozzle	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSK-L220...	5.12T20P	020.1008.2977	T20PQ

H1



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

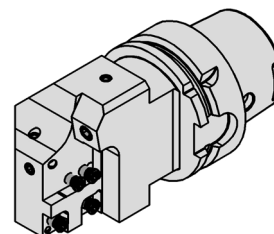
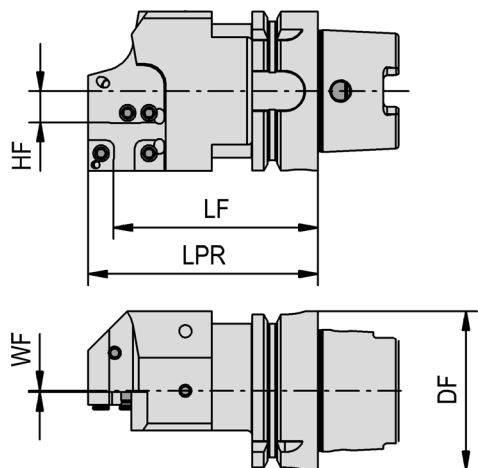
Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
HSK-L220.0063.K2.IK	63	12,5	41,2	56,5	21,5	22000193
HSK-R220.0063.K2.IK	63	12,5	41,2	56,5	21,5	22000293

HSK-R/L220...IK Kugelspritzdüse optional
HSK-R/L220...IK Coolant spray nozzle optional

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	Kugelspritzdüse Coolant spray nozzle	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSK-L220...	5.12T20P	020.1008.2977	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
HSKT63.L220.110.K1.IK	63	12,5	81	91	0,6	22000293
HSKT63.L220.120.K1.IK	63	12,5	91	101	0,6	22000293
HSKT63.L220.130.K1.IK	63	12,5	101	111	0,6	22000293
HSKT63.L220.150.K1.IK	63	12,5	121	131	0,6	22000293
HSKT63.L220.175.K1.IK	63	12,5	146	156	0,6	22000293
HSKT63.R220.110.K1.IK	63	12,5	81	91	0,6	22000193
HSKT63.R220.120.K1.IK	63	12,5	91	101	0,6	22000193
HSKT63.R220.130.K1.IK	63	12,5	101	111	0,6	22000193
HSKT63.R220.150.K1.IK	63	12,5	121	131	0,6	22000193
HSKT63.R220.175.K1.IK	63	12,5	146	156	0,6	22000193

zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

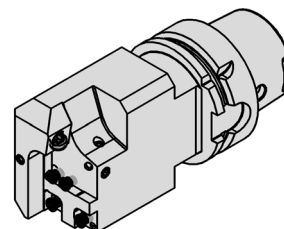
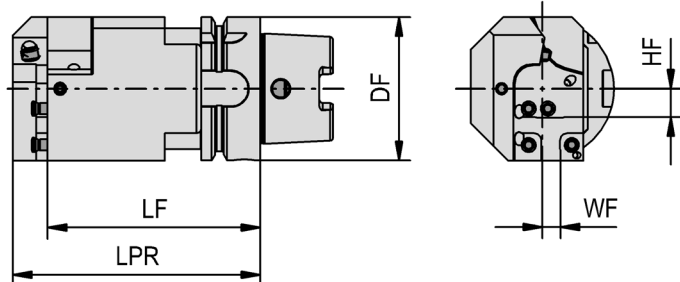
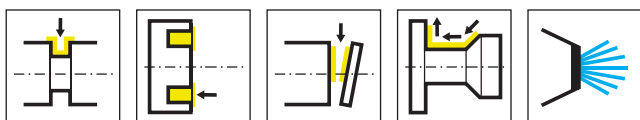
HSKT63.R/L220...IK Kugelspritzdüse optional
HSKT63.R/L220...IK Coolant spray nozzle optional

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	Kugelspritzdüse Coolant spray nozzle	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT63...	5.12T20P	020.1008.2977	T20PQ

H1



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
HSKT63.L220.110.K2.IK	63	12,5	93,6	108,8	8	22000193
HSKT63.L220.130.K2.IK	63	12,5	101	111	8	22000193
HSKT63.L220.150.K2.IK	63	12,5	133,6	148,8	8	22000193
HSKT63.L220.175.K2.IK	63	12,5	158,6	117,8	8	22000193
HSKT63.R220.110.K2.IK	63	12,5	93,6	108,8	8	22000293
HSKT63.R220.130.K2.IK	63	12,5	113,6	111	8	22000293
HSKT63.R220.150.K2.IK	63	12,5	133,6	148,8	8	22000293
HSKT63.R220.175.K2.IK	63	12,5	158,6	173,9	8	22000293

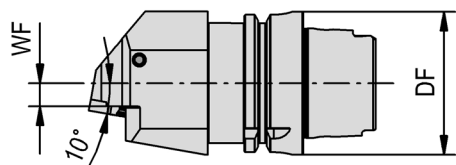
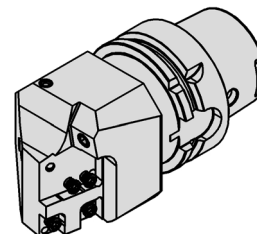
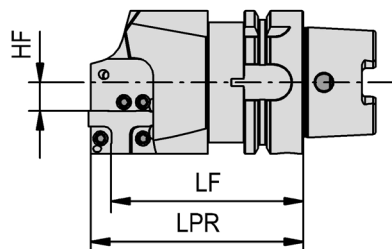
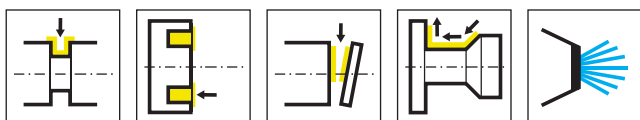
zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

HSKT63.R/L220...IK Kugelspritzdüse optional
HSKT63.R/L220...IK Coolant spray nozzle optional

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	Kugelspritzdüse Coolant spray nozzle	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT63...	5.12T20P	020.1008.2977	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
HSKT63.L220.110.K3.IK	63	12,5	81	94,5	23,4	22000293
HSKT63.L220.120.K3.IK	63	12,5	91	104,7	25	22000293
HSKT63.L220.130.K3.IK	63	12,5	101	114,8	26,8	22000293
HSKT63.L220.150.K3.IK	63	12,5	121	135,1	30,3	22000293
HSKT63.L220.175.K3.IK	63	12,5	146	160,5	34,7	22000293
HSKT63.R220.110.K3.IK	63	12,5	81	94,5	23,4	22000193
HSKT63.R220.120.K3.IK	63	12,5	91	104,7	25	22000193
HSKT63.R220.130.K3.IK	63	12,5	101	114,8	26,8	22000193
HSKT63.R220.150.K3.IK	63	12,5	121	135,1	30,3	22000193
HSKT63.R220.175.K3.IK	63	12,5	146	160,5	34,7	22000193

zum Einsatz auf Multi-Tasking Maschinen mit 10° Spindelstellung
for using on multi-tasking machines with 10° orientation to spindle

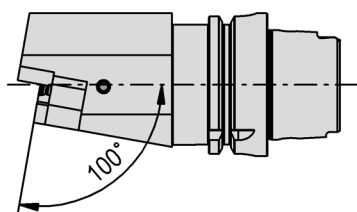
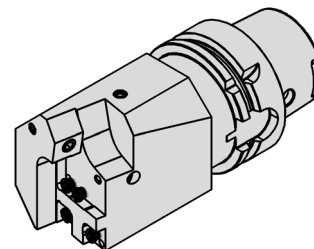
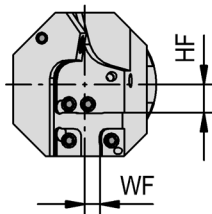
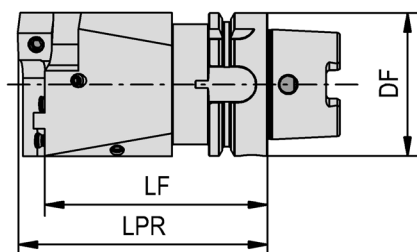
HSKT63.R/L220...IK Kugelspritzdüse optional
HSKT63.R/L220...IK Coolant spray nozzle optional

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT63...	5.12T20P	T20PQ

H1



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
HSKT63.L220.110.K4.IK	63	12,5	93,4	110,1	23,8	22000193
HSKT63.L220.130.K4.IK	63	12,5	113,6	130,4	27,4	22000193
HSKT63.L220.150.K4.IK	63	12,5	133,6	150	30,9	22000193
HSKT63.L220.175.K4.IK	63	12,5	158,6	176,1	35,3	22000193
HSKT63.R220.110.K4.IK	63	12,5	93,4	110,1	24,2	22000293
HSKT63.R220.130.K4.IK	63	12,5	113,6	130,4	27,8	22000293
HSKT63.R220.150.K4.IK	63	12,5	133,6	150	31,3	22000293
HSKT63.R220.175.K4.IK	63	12,5	158,6	176,1	35,7	22000293

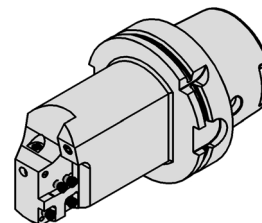
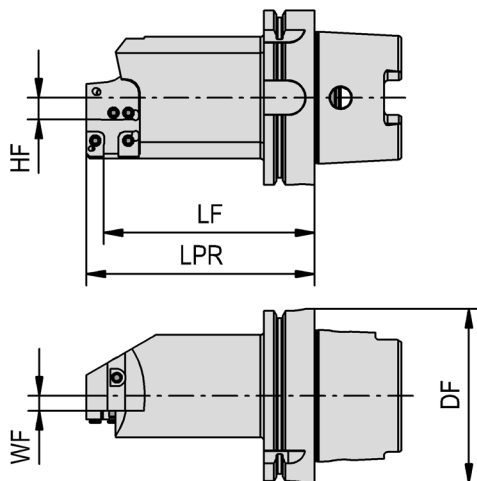
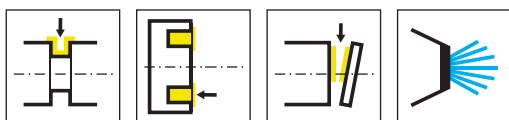
zum Einsatz auf Multi-Tasking Maschinen mit 10° Spindelanstellung
for using on multi-tasking machines with 10° orientation to spindle

HSKT63.R/L220...IK Kugelspritzdüse optional
HSKT63.R/L220...IK Coolant spray nozzle optional

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT63...	5.12T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
HSKT100.L220.150.K1.IK	100	12,5	121	131	8,6	22000293
HSKT100.R220.150.K1.IK	100	12,5	121	131	8,6	22000193

zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

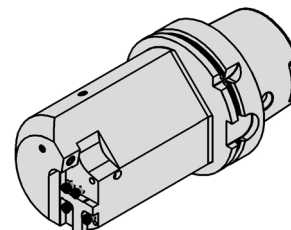
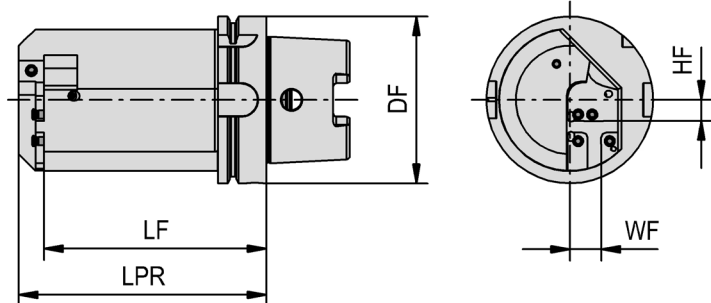
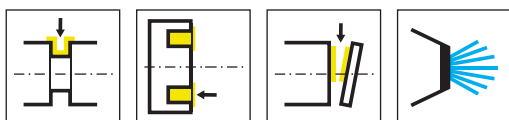
HSKT100.R/L220...IK Kugelspritzdüse optional
HSKT100.R/L220...IK Coolant spray nozzle optional

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT100...	5.12T20P	T20PQ

H1



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
HSKT100.L220.150.K2.IK	100	12,5	133,6	148,8	19	22000193
HSKT100.R220.150.K2.IK	100	12,5	133,6	148,8	19	22000293

zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

HSKT100.R/L220...IK Kugelspritzdüse optional
HSKT100.R/L220...IK Coolant spray nozzle optional

Ersatzteile

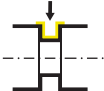
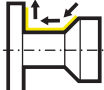
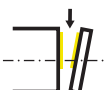
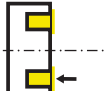
Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT100...	5.12T20P	T20PQ



H2

Kapitel Chapter	H					
	H1				H2	
Grundhalter Schnittstelle 220 / Basic toolholder interface 220						
Maschinen- aufnahme Adaptor	C	TS	HSK	HSKT	Rundschaft Round shank	Vierkantschaft Square Shank
	C3	TS40	HSK63	HSKT63	Ø 32	16x16
	C4	TS50		HSKT100	Ø 40	20x20
	C5	TS63				25x25
	C6					32x25
	C8					32x32

	•	•	•	•		•
	•	•	•	•		•
	•	•	•	•		•
	•	•	•	•	•	•
	•	•	•	•	•	•
mit Greiferrille with tool changing groove	•	•		•		
ohne Greiferrille without tool changing groove	•		•			

Ausführung / Version

K1 0°	•	•	•	•		
K2 90°	•	•	•	•	•	
K3 10°				•		
K4 100°				•		

220

H2



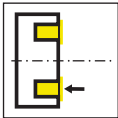
**Grundhalter mit Rund-
und Vierkantschaft für
Kassetten**

**Basic tooholder with
round and square
shank for cassettes**

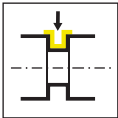
Inhaltsangabe

Summary

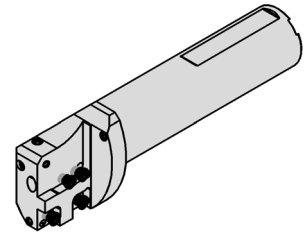
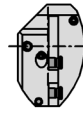
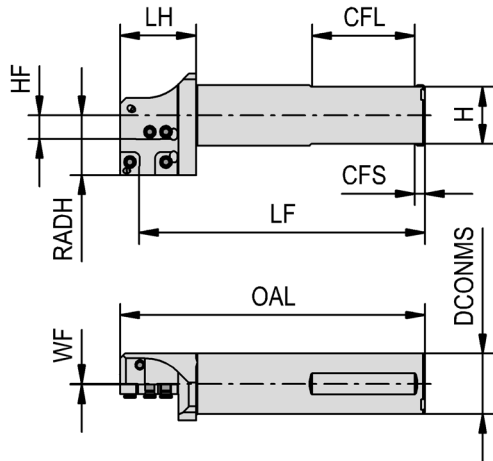
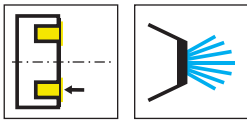
Grundhalter
Basic toolholder
B224/220



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Seite/Page
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H2

R = rechts wie gezeichnet
R = right hand version shown

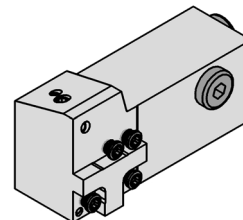
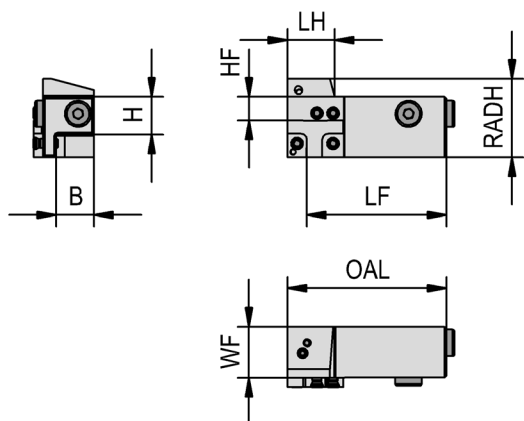
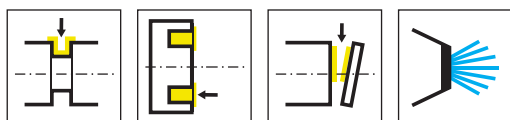
L = Linksausführung
L = left hand version

Artikelnummer Part number	DCONMS	H	HF	LF	LH	OAL	RADH	RADW	CFL	CFS	WF	Trennstelle W Interface W
RB224.0032.K1.IK	32	30	12,5	171	40	181	31,65	19,3	55	5	0,41	22000193
RB224.0040.K1.IK	40	38	12,5	221	40	231	31,65	22,45	55	5	4,41	22000193
RB224.0032.1.K1.IK	32	30	12,5	106	40	116	31,65	19,3	55	5	0,41	22000193
RB224.0040.1.K1.IK	40	38	12,5	106	40	116	31,65	22,45	55	5	4,41	22000193
LB224.0032.K1.IK	32	30	12,5	171	40	181	31,65	19,3	55	5	0,41	22000293
LB224.0040.K1.IK	40	38	12,5	221	40	231	31,65	22,45	55	5	4,41	22000293
LB224.0032.1.K1.IK	32	30	12,5	106	40	116	31,65	19,3	55	5	0,41	22000293
LB224.0040.1.K1.IK	40	38	12,5	106	40	116	31,65	22,45	55	5	4,41	22000293

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB224...	5.12T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	H	B	OAL	LF	LH	RADH	WF	HF	Trennstelle W Interface W
R220.1616.2.K1.IK	16	16	84	74	25	32	23	12,5	22000193
R220.2020.2.K1.IK	20	20	84	74	25	32	27	12,5	22000193
R220.2525.2.K1.IK	25	25	96	86	22	32	31,9	12,5	22000193
R220.3225.2.K1.IK	32	25	105	95	25	32	25	12,5	22000193
R220.3232.2.K1.IK	32	32	130	120	25	32	32	12,5	22000193
L220.1616.2.K1.IK	16	16	84	74	25	32	23	12,5	22000293
L220.2020.2.K1.IK	20	20	84	74	25	32	27	12,5	22000293
L220.2525.2.K1.IK	25	25	96	86	22	32	31,9	12,5	22000293
L220.3225.2.K1.IK	32	25	105	95	25	32	25	12,5	22000293
L220.3232.2.K1.IK	32	32	130	120	25	32	32	12,5	22000293

Hinweis:

Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".

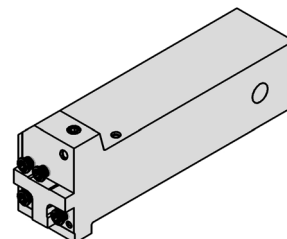
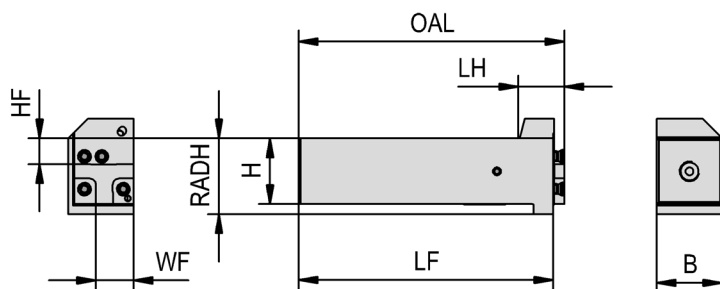
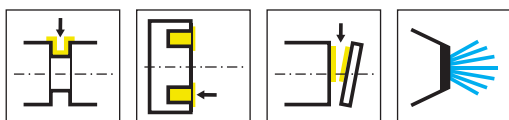
Note:

Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusssschraube Screw Plug
R/L220...	5.12T20P	T20PQ	004.00.26



H2

R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	H	B	OAL	LF	LH	RADH	WF	HF	Trennstelle W Interface W
R220.1616.2.K2.IK	16	16	84	79	22	32	19	12,5	22000293
R220.2020.2.K2.IK	20	20	84	79	22	32	19	12,5	22000293
R220.2525.2.K2.IK	25	25	96	91	22	32	22	12,5	22000293
R220.3225.2.K2.IK	32	25	105	100	22	37	19	12,5	22000293
R220.3232.2.K2.IK	32	32	130	125	22	37	22	12,5	22000293
L220.1616.2.K2.IK	16	16	84	79	22	32	19	12,5	22000193
L220.2020.2.K2.IK	20	20	84	79	22	32	19	12,5	22000193
L220.2525.2.K2.IK	25	25	96	91	22	32	22	12,5	22000193
L220.3225.2.K2.IK	32	25	105	100	22	37	19	12,5	22000193
L220.3232.2.K2.IK	32	32	130	125	22	37	22	12,5	22000193

Hinweis:

Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".

Note:

Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusssschraube Screw Plug
R/L220...	5.12T20P	T20PQ	004.00.26

Kapitel Chapter	H											Kassetten axial Cassettes axial siehe / see F4-F5
	H3											
System System	Kassetten radial / Cassettes radial											
	S100	S224	S229	S274	34T	312	315	S315	S316	64T	66T	

CW	2-4	2-6	3-6		1,03-5							
CDX	25	18	15-25	6	6,5	8	5	5	8	5,5	9,5	
CUTDIA	80	80	180/-	150	60	40		150	150	40	40	
	•	•	•	•	•	•	•	•	•	•	•	
		•	•	•	•		•	•	•	•	•	
	•	•	•	•	•	•	•	•	•	•	•	
												•
	•	•	•	•	•	•	•	•	•	•	•	•

H3

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H3



**Kassetten zur
Radialbearbeitung**

**Cassettes for
radial machining**

Inhaltsangabe

Summary

Kassette

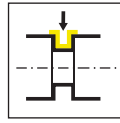
Cassette

NK100/NK224/NK220/

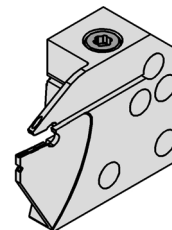
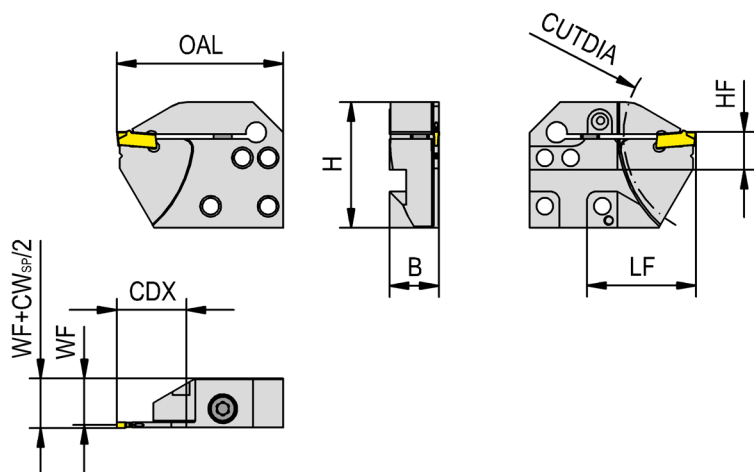
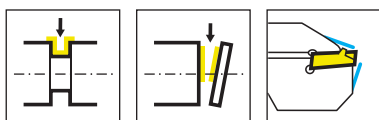
NK274/NK34T/NK360/

NK368/NK356/NK316

NK64T/NK66T



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H3

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK100.3215.4.21.IK	25	80	15,4	55	36	12,5	41,5	16,25	100010058N	22000193
RNK100.3215.4.22.IK	25	80	15,15	55	36	12,5	41,5	16,2	100020058N	22000193
RNK100.3215.4.23.IK	25	80	14,9	55	36	12,5	41,5	16,25	100030058N	22000193
RNK100.3215.4.24.IK	25	80	14,4	55	36	12,5	41,5	16,1	100040058N	22000193
LNK100.3215.4.21.IK	25	80	15,4	55	36	12,5	41,5	16,25	100010058N	22000293
LNK100.3215.4.22.IK	25	80	15,15	55	36	12,5	41,5	16,2	100020058N	22000293
LNK100.3215.4.23.IK	25	80	14,9	55	36	12,5	41,5	16,25	100030058N	22000293
LNK100.3215.4.24.IK	25	80	14,4	55	36	12,5	41,5	16,1	100040058N	22000293

zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

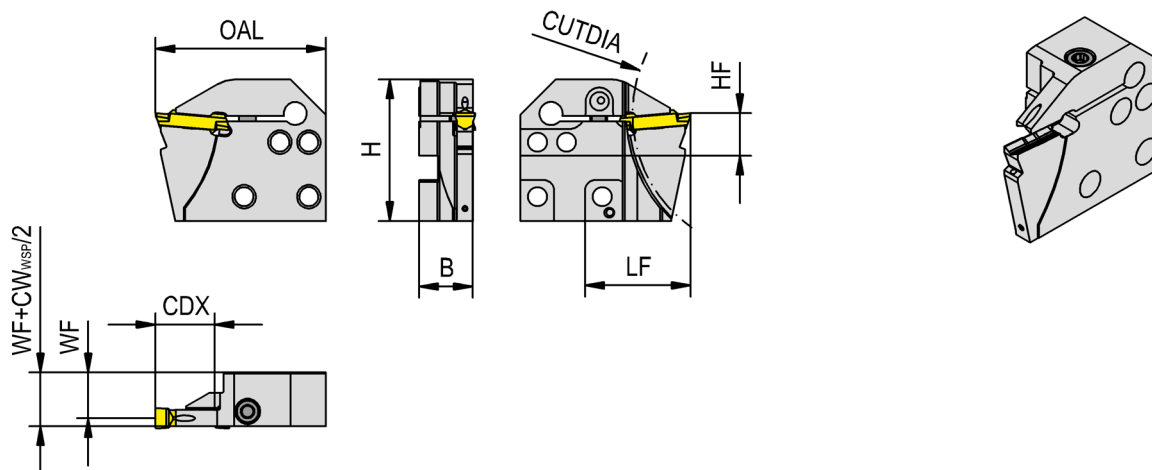
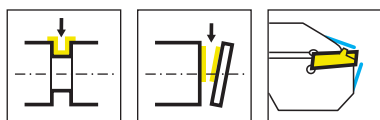
Kühlmittelaustritt:

Durch Spannfinger und Unterstützung
Coolant outlet:
Through clamping finger and insert support

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK100...	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK224.3215.2.01.IK	18	80	15,4	50	31	12,5	41,5	16,2	224010058N	22000193
RNK224.3215.2.02.IK	18	80	15,15	50	31	12,5	41,5	16,15	224020058N	22000193
RNK224.3215.4.03.IK	18	80	14,9	50	31	12,5	41,5	16,15	224030058N	22000193
RNK224.3215.4.04.IK	18	80	14,4	50	31	12,5	41,5	16,05	224040058N	22000193
RNK224.3215.4.05.IK	18	80	13,9	50	31	12,5	41,5	15,95	224050058N	22000193
RNK224.3215.4.06.IK	18	80	13,4	50	31	12,5	41,5	15,95	224060058N	22000193
LNK224.3215.2.01.IK	18	80	15,4	50	31	12,5	41,5	16,2	224010058N	22000293
LNK224.3215.2.02.IK	18	80	15,15	50	31	12,5	41,5	16,15	224020058N	22000293
LNK224.3215.4.03.IK	18	80	14,9	50	31	12,5	41,5	16,15	224030058N	22000293
LNK224.3215.4.04.IK	18	80	14,4	50	31	12,5	41,5	16,05	224040058N	22000293
LNK224.3215.4.05.IK	18	80	13,9	50	31	12,5	41,5	15,95	224050058N	22000293
LNK224.3215.4.06.IK	18	80	13,4	50	31	12,5	41,5	15,95	224060058N	22000293

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Kühlmittelaustritt:

.2. = Durch Unterstüztung

.4. = Durch Spannfinger und Unterstüztung

Coolant outlet:

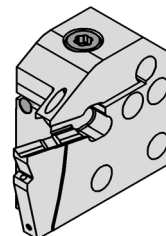
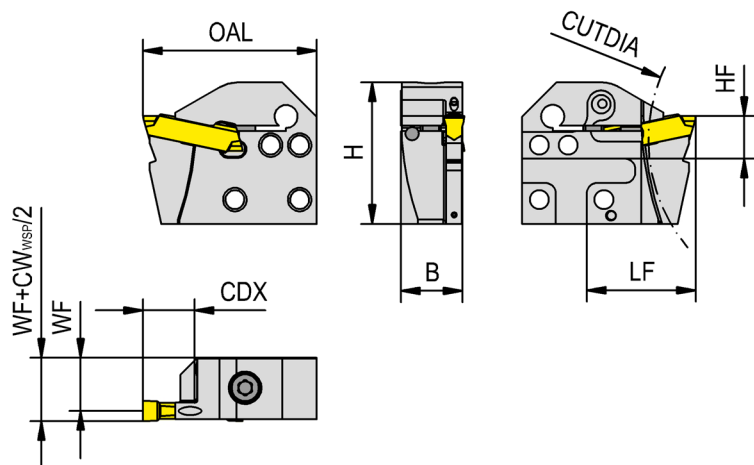
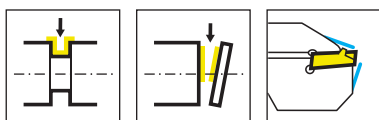
.2. = Through insert support

.4. = Through clamping finger and insert support

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK224...	5.13T20P	T20PQ



H3

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK220.3215.4.03.IK	25	-	14,9	57	38	12,5	41,5	16,2	229030108N • S229030108N	22000193
RNK220.3215.4.04.IK	25	-	14,4	57	38	12,5	41,5	16,1	229040108N • S229040108N	22000193
RNK220.3215.4.05.IK	25	-	13,9	57	38	12,5	41,5	15,95	229050108N • S229051108N	22000193
RNK220.3215.4.06.IK	25	-	13,4	57	38	12,5	41,5	15,85	229060108N • S229061108N	22000193
RNK220.3218.4.13.IK	15	180	17,1	51	32	12,5	41,5	18,4	229030108N • S229030108N	22000193
RNK220.3218.4.14.IK	15	180	16,6	51	32	12,5	41,5	18,3	229040108N • S229040108N	22000193
RNK220.3218.4.15.IK	15	180	16,1	51	32	12,5	41,5	18,15	229050108N • S229051108N	22000193
RNK220.3218.4.16.IK	15	180	15,6	51	32	12,5	41,5	18,05	229060108N • S229061108N	22000193
LNK220.3215.4.03.IK	25	-	14,9	57	38	12,5	41,5	16,2	229030108N • S229030108N	22000293
LNK220.3215.4.04.IK	25	-	14,4	57	38	12,5	41,5	16,1	229040108N • S229040108N	22000293
LNK220.3215.4.05.IK	25	-	13,9	57	38	12,5	41,5	15,95	229050108N • S229051108N	22000293
LNK220.3215.4.06.IK	25	-	13,4	57	38	12,5	41,5	15,85	229060108N • S229061108N	22000293
LNK220.3218.4.13.IK	15	180	17,1	51	32	12,5	41,5	18,4	229030108N • S229030108N	22000293
LNK220.3218.4.14.IK	15	180	16,6	51	32	12,5	41,5	18,3	229040108N • S229040108N	22000293
LNK220.3218.4.15.IK	15	180	16,1	51	32	12,5	41,5	18,15	229050108N • S229051108N	22000293
LNK220.3218.4.16.IK	15	180	15,6	51	32	12,5	41,5	18,05	229060108N • S229061108N	22000293

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

Kühlmittelaustritt:

Durch Spannfinger und Unterstützung

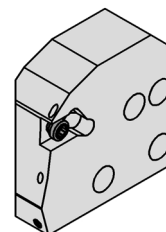
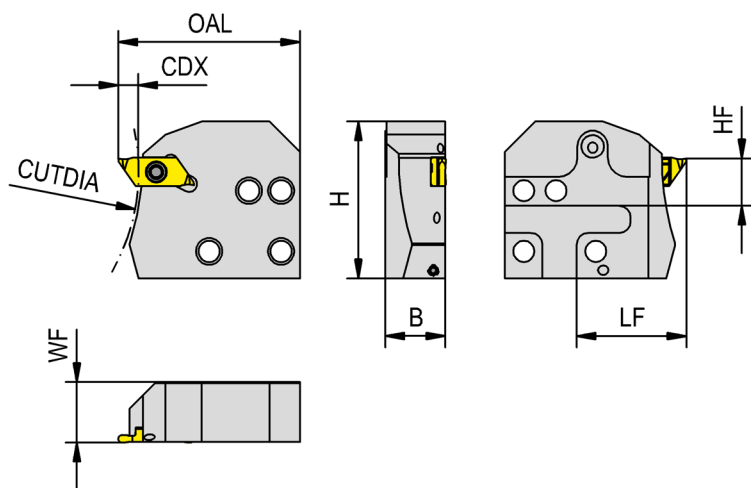
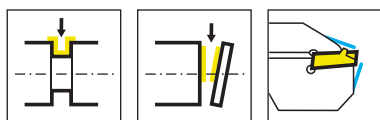
Coolant outlet:

Through clamping finger and insert support

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK220...	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK274.0220.4.04.IK	6	150	16	48	29	12,5	41,4	15,8	274040000R	22000193
LNK274.0220.4.04.IK	6	150	16	48	29	12,5	41,4	15,8	274040000L	22000293

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

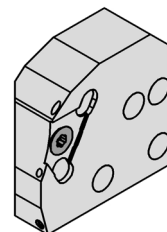
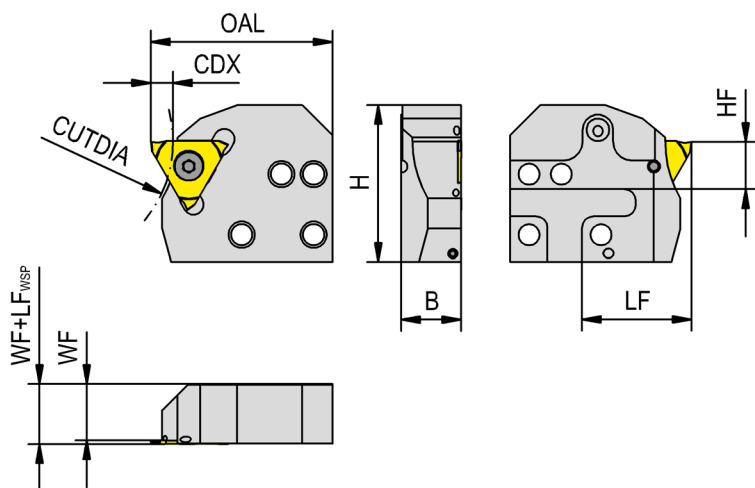
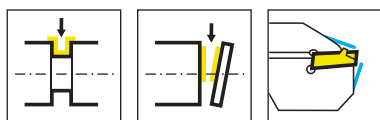
Kühlmittelaustritt:

Durch Spannfinger und Unterstützung
Coolant outlet:
Through clamping finger and insert support

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK274.0220.4.04.IK	030.3509.T15P	T15PQ



H3

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK34T.0220.4.00.IK	6,5	60	15	48	29	12,5	41,4	15,8	34T004R	22000193
RNK34T.0220.4.10.IK	6,5	60	14,3	48	29	12,5	41,4	15,8	34T014N	22000193
RNK34T.0220.4.20.IK	6,5	60	13,3	48	29	12,5	41,4	15,8	34T024N	22000193
RNK34T.0220.4.30.IK	6,5	60	12,3	48	29	12,5	41,4	15,8	34T034N	22000193
RNK34T.0220.4.40.IK	6,5	60	11,3	48	29	12,5	41,4	15,8	34T044N	22000193
LNK34T.0220.4.00.IK	6,5	60	15	48	29	12,5	41,4	15,8	34T004L	22000293
LNK34T.0220.4.10.IK	6,5	60	14,3	48	29	12,5	41,4	15,8	34T014N	22000293
LNK34T.0220.4.20.IK	6,5	60	13,3	48	29	12,5	41,4	15,8	34T024N	22000293
LNK34T.0220.4.30.IK	6,5	60	12,3	48	29	12,5	41,4	15,8	34T034N	22000293
LNK34T.0220.4.40.IK	6,5	60	11,3	48	29	12,5	41,4	15,8	34T044N	22000293

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

Kühlmittelaustritt:

Durch Spannfinger und Unterstützung

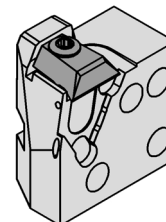
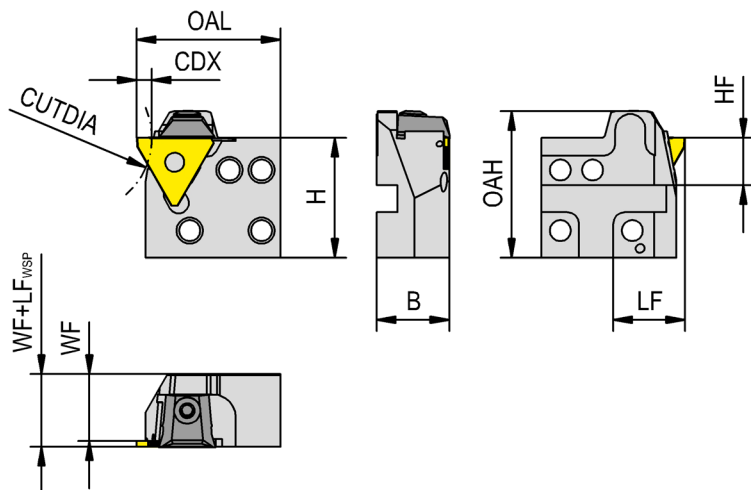
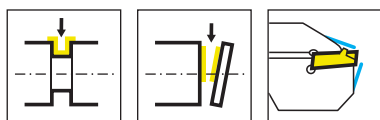
Coolant outlet:

Through clamping finger and insert support

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK34T.0220.4...	030.4093.T15P	T15PQ
R/LNK34T.0220.4.20.IK	030.4010.T15P	T15PQ
R/LNK34T.0220.4...	030.5012.T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK360.0220.5.01.IK	4	40	17,7	38	19	38,65	12,5	31,65	19,2	31201000N	22000193
RNK360.0220.5.02.IK	6	40	16,7	38	19	38,65	12,5	31,65	19,2	31202000N	22000193
RNK360.0220.5.03.IK	6	40	15,7	38	19	38,65	12,5	31,65	19,2	31203000N	22000193
RNK360.0220.5.04.IK	6	40	14	38	19	38,65	12,5	31,65	19,2	31204000N	22000193
LNK360.0220.5.01.IK	4	40	17,7	38	19	38,65	12,5	31,65	19,2	31201000N	22000293
LNK360.0220.5.02.IK	6	40	16,7	38	19	38,65	12,5	31,65	19,2	31202000N	22000293
LNK360.0220.5.03.IK	6	40	15,7	38	19	38,65	12,5	31,65	19,2	31203000N	22000293
LNK360.0220.5.04.IK	6	40	14	38	19	38,65	12,5	31,65	19,2	31204000N	22000293

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

Kühlmittelaustritt:

Seitlich und durch Unterstützung

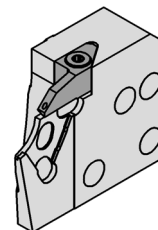
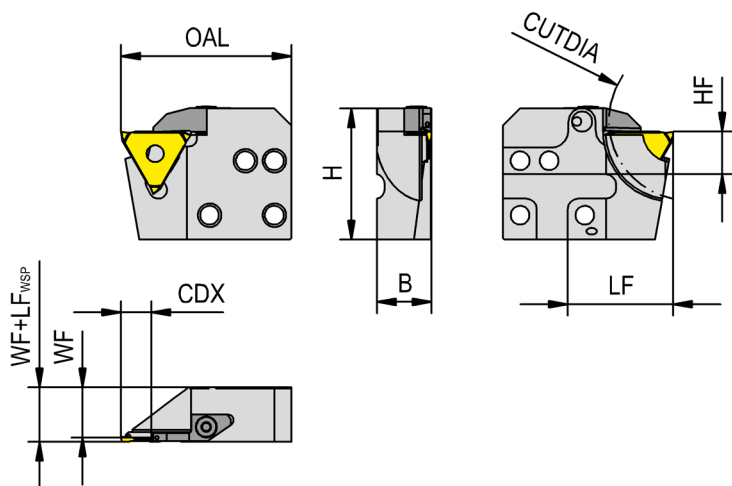
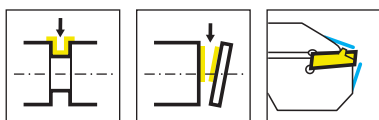
Coolant outlet:

lateral and through the support

Ersatzteile

Spare Parts

Kassette Cassette	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK360...	14.4	T15PQ



H3

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK368.0220.4.01.IK	8	40	15	50	31	12,5	31,65	16	31208000N	22000193
RNK368.0220.4.02.IK	8	40	14,7	50	31	12,5	31,65	16	31211000N	22000193
LNK368.0220.4.01.IK	8	40	15	50	31	12,5	31,65	16	31208000N	22000293
LNK368.0220.4.02.IK	8	40	14,7	50	31	12,5	31,65	16	31211000N	22000293

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

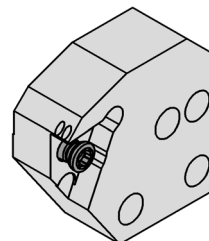
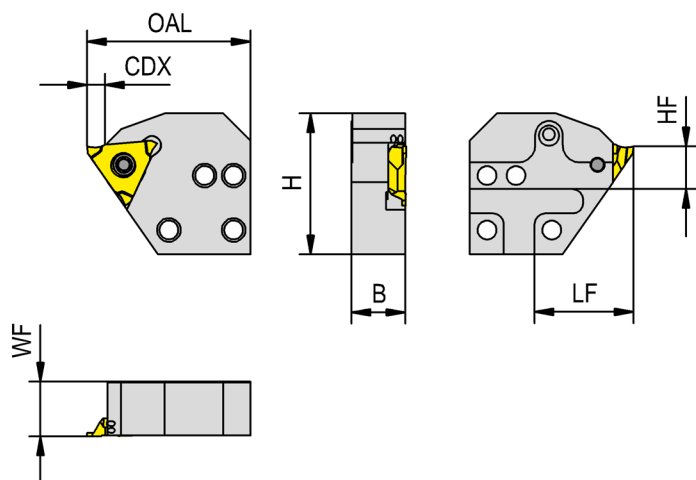
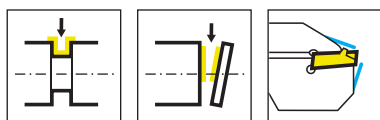
Kühlmittelaustritt:

Durch Spannfinger und Unterstützung
Coolant outlet:
Through clamping finger and insert support

Ersatzteile

Spare Parts

Kassette Cassette	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LNK368.0220.4....	010.0004.0586	T10PL
RNK368.0220.4....	010.0004.0620	T10PL



H3

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK356.0220.03.IK	5	16,1	48	29	12,5	41,4	15,8	31503051R	22000193
RNK356.0220.05.IK	5	16,3	48	29	12,5	41,4	15,8	31505051R	22000193
LNK356.0220.03.IK	5	16,1	48	29	12,5	41,4	15,8	31503051L	22000293
LNK356.0220.05.IK	5	16,3	48	29	12,5	41,4	15,8	31505051L	22000293

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

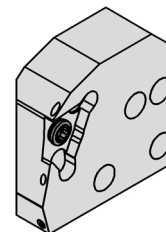
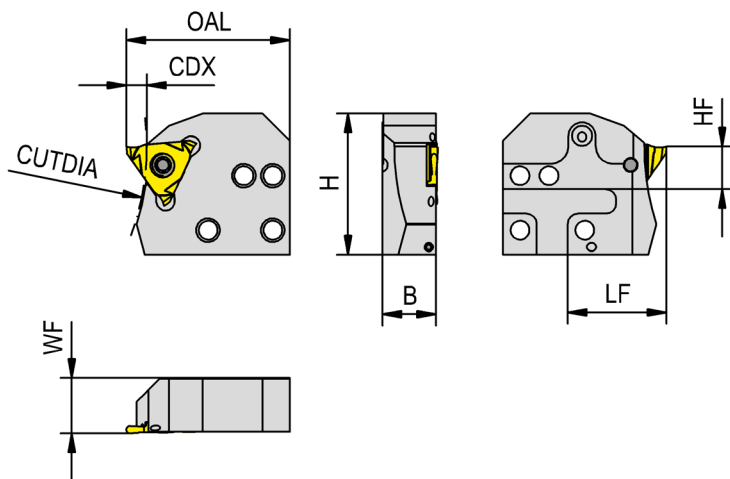
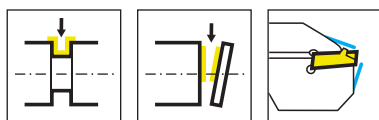
Kühlmittelaustritt:

Durch Spannfinger
Coolant outlet:
Through clamping finger

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK356...	5.12T20P	T20PQ



H3

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK356.0220.4.23.IK	6	150	16,3	48	29	12,5	41,4	15,8	31503051R	22000193
RNK356.0220.4.25.IK	6	150	16,3	48	29	12,5	41,4	15,8	31505051R	22000193
RNK356.0220.S.4.03.IK	6	150	16,1	48	29	12,5	41,4	15,8	S31503051R	22000193
RNK356.1220.5.16.IK	5	35	16,3	38	19	12,5	34	16	31505051R	22000193
LNK356.0220.4.23.IK	6	150	16,3	48	29	12,5	41,4	15,8	31503051L	22000293
LNK356.0220.4.25.IK	6	150	16,3	48	29	12,5	41,4	15,8	31505051L	22000293
LNK356.0220.S.4.03.IK	6	150	16,1	48	29	12,5	41,4	15,8	S31503051L	22000293
LNK356.1220.5.16.IK	5	35	16,3	38	19	12,5	34	16	31505051L	22000293

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

Kühlmittelaustritt:

Durch Spannfinger und Unterstützung

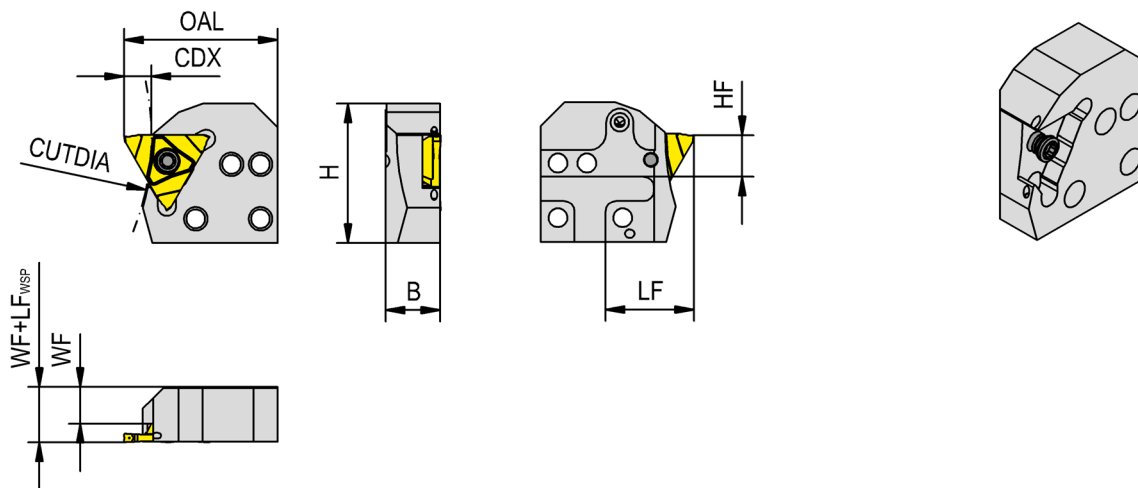
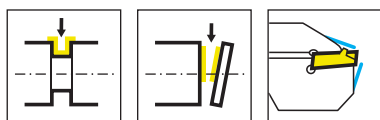
Coolant outlet:

Through clamping finger and insert support

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK356...	5.12T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK316.0220.4.03.IK	8	150	12,7	45	26	12,5	41	16	31603000R	22000193
RNK316.0220.4.05.IK	8	150	10,8	45	26	12,5	41	16	31605000R	22000193
RNK316.0220.S3.4.03.IK	8	150	12,7	45	26	12,5	41	16	S31603000R	22000193
LNK316.0220.4.03.IK	8	150	12,7	45	26	12,5	41	16	31603000L	22000293
LNK316.0220.4.05.IK	8	150	10,8	45	26	12,5	41	16	31605000L	22000293
LNK316.0220.S3.4.03.IK	8	150	12,7	45	26	12,5	41	16	S31603000L	22000293

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

Kühlmittelaustritt:

Durch Spannfinger und Unterstützung

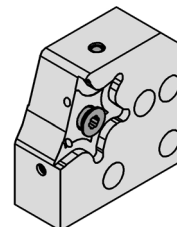
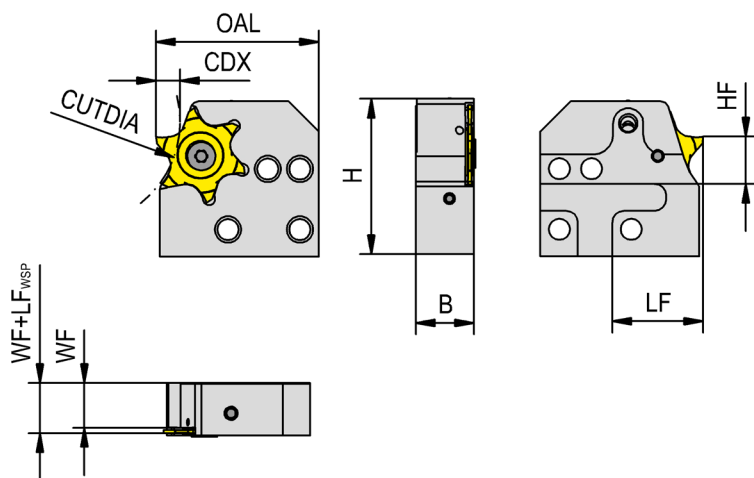
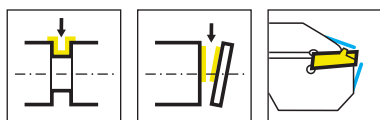
Coolant outlet:

Through clamping finger and insert support

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK316...	5.12T20P	T20PQ



H3

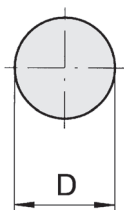
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK64T.0220.01.IK	2,5	100	13,2	43	24	12,5	41	15,4	64T014N	22000193
RNK64T.0220.02.IK	2,5	100	12,7	43	24	12,5	41	15,4	64T024N	22000193
LNK64T.0220.01.IK	2,5	100	13,2	43	24	12,5	41	15,4	64T014N	22000293
LNK64T.0220.02.IK	5,5	100	12,7	43	24	12,5	41	15,4	64T024N	22000293

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

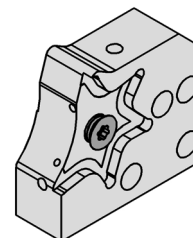
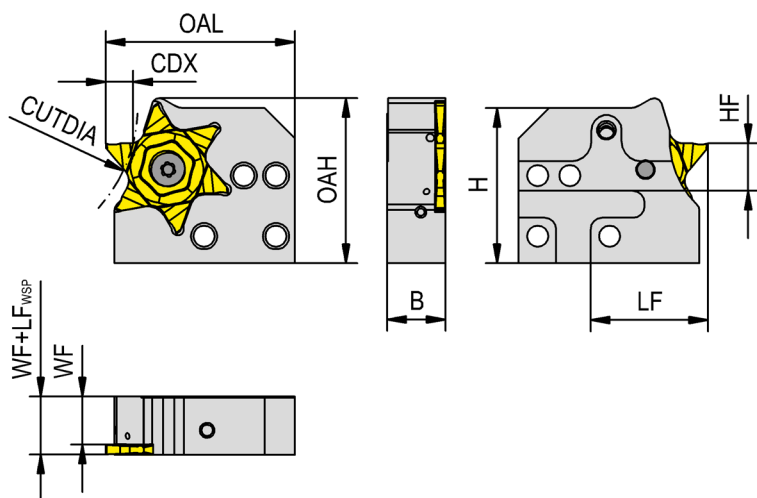
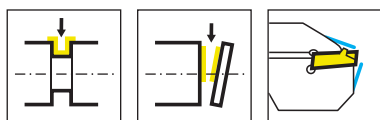
Ein- und Abstechen von Wellen
Grooving and parting off solid bars



CUTDIA	CDX
40	5,5
45	5
50	4,5
55	4
65	3,5
70	3,5
80	3
100	2,5

Ersatzteile
Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK64T...	030.4010.T15P	T15PQ

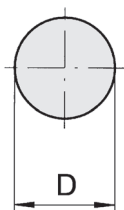


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	Ø	Trennstelle W Interface W	Trennstelle M Interface M
RNK66T.0220.08.10.IK	9,5	40	13,2	50	31	43,65	12,5	41	15,4	66T014N	22000193
RNK66T.0220.08.20.IK	9,5	40	12,7	50	31	43,65	12,5	41	15,4	66T024N	22000193
LNK66T.0220.08.10.IK	9,5	40	13,2	50	31	43,65	12,5	41	15,4	66T014N	22000293
LNK66T.0220.08.20.IK	9,5	40	12,7	50	31	43,65	12,5	41	15,4	66T024N	22000293

Ein- und Abstechen von Wellen
Grooving and parting off solid bars



DMAX	CDX
40	9,5
45	9,0
50	8,0
55	7,5
65	6,5
70	6,0
80	5,5
100	4,5

Ersatzteile
Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK66T...	030.6014.T20P	T20PQ

Schnittstelle 360

Interface 360

MODULARE HALTERSYSTEME

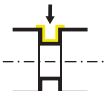
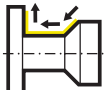
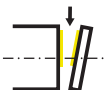
MODULAR HOLDER SYSTEMS

I

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Grundhalter mit PSC-Aufnahme
Basic Toolholder with Adaptor PSC

740

Kapitel Chapter	I
	I1
Grundhalter Basic toolholder	
Maschinen- aufnahme Adaptor	PSC
	C3
	C4
	C5
	C6
	•
	•
	•
	•
mit Greiferrille with tool changing groove	•
ohne Greiferrille without tool changing groove	•
Ausführung / Version	
K1 0°	•

I1

360



I1

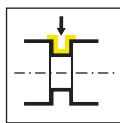
**Grundhalter mit PSC-
Aufnahme für Kassetten**

**Basic toolholder
with adaptor PSC**

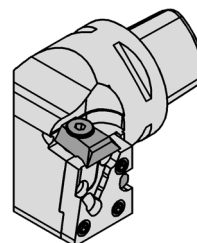
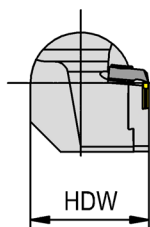
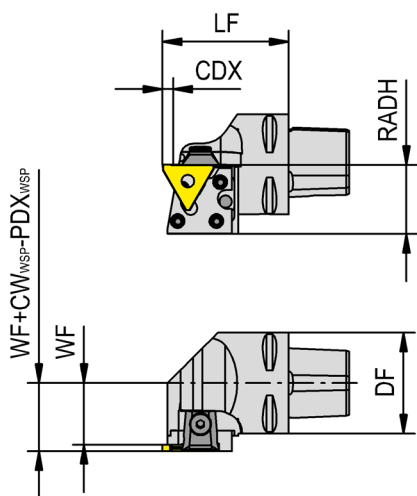
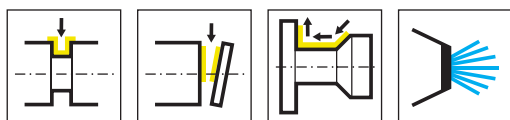
Inhaltsangabe

Summary

Grundhalter
Basic toolholder
360C



Seite/Page
743-744, ,



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

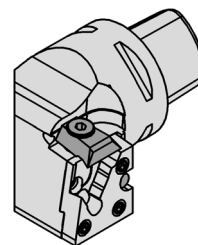
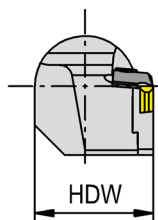
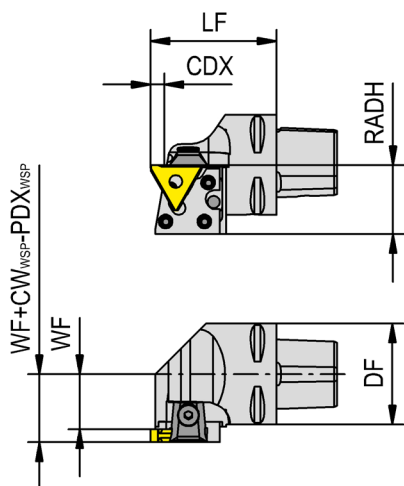
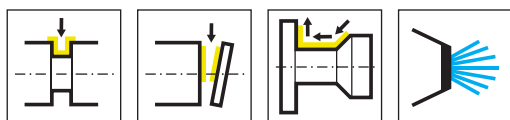
11

Artikelnummer Part number	DF	CDX	HDW	LF	RADH	WF	Trennstelle W Interface W
R360.00C3.K1	32	4	38	45	27,3	20,5	31201000N
R360.00C4.K1	40	4	47	50	27,3	25,5	31201000N
R360.00C5.K1	50	4	52	50	27,3	25,5	31201000N
R360.00C6.K1	63	4	63,5	55	27,3	30,5	31201000N
R360.00C3.K2	32	6	38	45	27,3	19,5	31202000N
R360.00C4.K2	40	6	47	50	27,3	24,5	31202000N
R360.00C5.K2	50	6	52	50	27,3	24,5	31202000N
R360.00C6.K2	63	6	63,5	55	27,3	29,5	31202000N
L360.00C3.K1	32	4	38	45	27,3	20,5	31201000N
L360.00C4.K1	40	4	47	50	27,3	25,5	31201000N
L360.00C5.K1	50	4	52	50	27,3	25,5	31201000N
L360.00C6.K1	63	4	63,5	55	27,3	30,5	31201000N
L360.00C3.K2	32	6	38	45	27,3	19,5	31202000N
L360.00C4.K2	40	6	47	50	27,3	24,5	31202000N
L360.00C5.K2	50	6	52	50	27,3	24,5	31202000N
L360.00C6.K2	63	6	63,5	55	27,3	29,5	31202000N

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Kassette Cassette
L360.00...K1	LK360.00.01
R360.00...K1	RK360.00.01
L360.00...K2	LK360.00.02
R360.00...K2	RK360.00.02



R = rechts wie gezeichnet
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L = left hand version

11

Artikelnummer Part number	DF	CDX	HDW	LF	RADH	WF	Trennstelle W Interface W
R360.00C3.K3	32	6	38	45	27,3	18,5	31203000N
R360.00C4.K3	40	6	47	50	27,3	23,5	31203000N
R360.00C5.K3	50	6	52	50	27,3	23,5	31203000N
R360.00C6.K3	63	6	63,5	55	27,3	28,5	31203000N
R360.00C3.K4	32	6	38	45	27,3	16,8	31204000N
R360.00C4.K4	40	6	47	50	27,3	21,8	31204000N
R360.00C5.K4	50	6	52	50	27,3	21,8	31204000N
R360.00C6.K4	63	6	61,5	55	27,3	26,8	31204000N
L360.00C3.K3	32	6	38	45	27,3	18,5	31203000N
L360.00C4.K3	40	6	47	50	27,3	23,5	31203000N
L360.00C5.K3	50	6	52	50	27,3	23,5	31203000N
L360.00C3.K4	32	6	38	45	27,3	16,8	31204000N
L360.00C4.K4	40	6	47	50	27,3	21,8	31204000N
L360.00C5.K4	50	6	52	50	27,3	21,8	31204000N
L360.00C6.K4	63	6	63,5	55	27,3	26,8	31204000N

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Kassette Cassette
L360.00...K3	LK360.00.03
R360.00...K3	RK360.00.03
L360.00...K4	LK360.00.04
R360.00...K4	RK360.00.04

Schnittstelle BK

Interface BK

MODULARE HALTERSYSTEME

MODULAR HOLDER SYSTEMS

J

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Grundhalter mit PSC-, TS-, HSK und HSKT-Aufnahme

746

Basic Toolholder with Adapter PSC and TS

Kassetten für die Innenbearbeitung

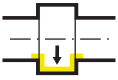
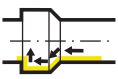
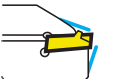
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Cassettes for internal machining

Kapitel Chapter	J					
	J1			J2		
	Grundhalter / Basic toolholder			Kassetten / Cassettes		
Maschinenaufnahme Adapter machine side	PSC	HSK	HSKT	BK001	BK002	BK003
Type/type	C3	HSK63	HSKT63	BK223	BK224	BK229
	C4		HSKT100			
	C5					
	C6					

System / System

223				•		
224	•	•	•		•	
229	•	•	•			•

CW				2-3	2-6	3-6
CDX				6,3	11	12-15
DMIN				28	40	50-60
	•	•	•	•	•	•
	•	•	•	•	•	•
	•	•	•			
					•	•
mit Greiferrille with tool changing groove	•		•			
ohne Greiferrille without tool changing groove		•				

Ausführung / Version

K1 0°						
K2 90°	•	•	•			
K3 20°						
K4 80°						

J1

BK



J1

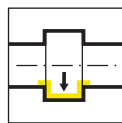
**Grundhalter mit PSC-, HSK-
und HSKT-Aufnahme für Kas-
setten**

**Basic toolholder with adaptor
PSC, TS, HSK and HSKT for
cassettes**

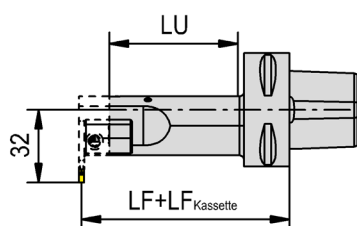
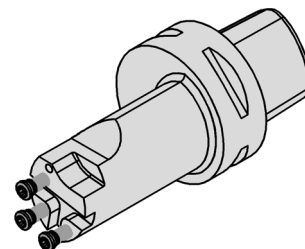
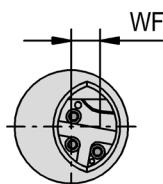
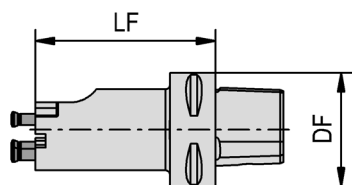
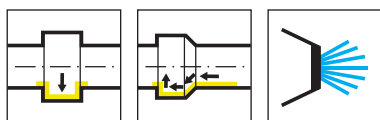
Inhaltsangabe

Summary

Grundhalter
Basic toolholder
B224C/B229C/HSK224/
HSK229/HSKT63



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R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	LF	LU	WF	Trennstelle W Interface W
RB224.00C3.1.K2.IK	32	39,3	21,3	12,75	BK002193
RB224.00C4.1.K2.IK	40	49,3	26,3	12,75	BK002193
RB224.00C4.2.K2.IK	40	69,3	46,3	12,75	BK002193
RB224.00C5.1.K2.IK	50	59,3	36,3	12,75	BK002193
RB224.00C5.2.K2.IK	50	79,3	56,3	12,75	BK002193
RB224.00C6.2.K2.IK	63	89,3	64,3	12,75	BK002193
LB224.00C4.1.K2.IK	40	49,3	26,3	12,75	BK002293
LB224.00C4.2.K2.IK	40	69,3	46,3	12,75	BK002293
LB224.00C6.2.K2.IK	63	89,3	64,3	12,75	BK002293

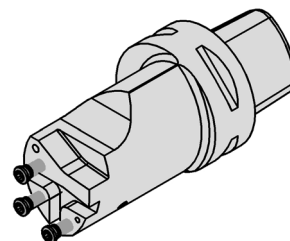
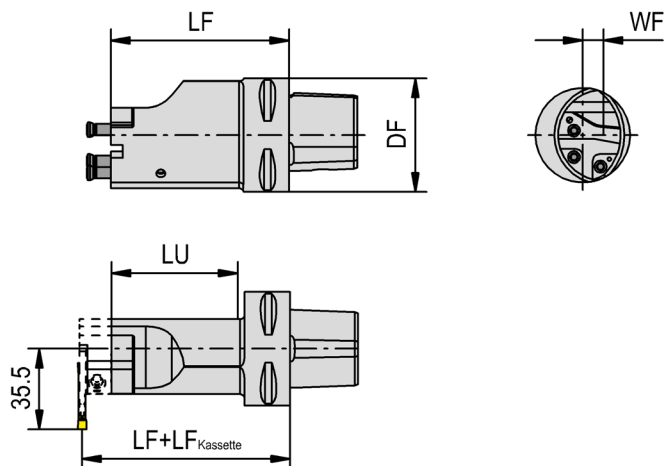
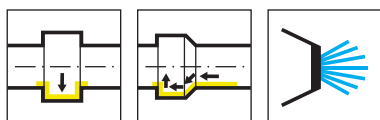
Für Kassetten BK224 mit Kühlmittelzufuhr
For cassettes BK224 with coolant supply

J1

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB224...	030.0518.T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

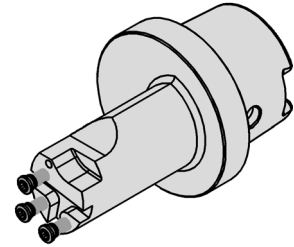
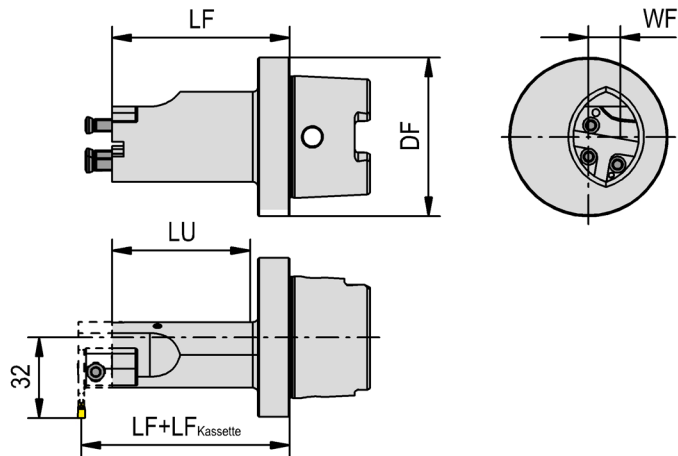
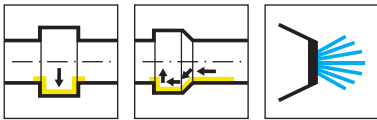
Artikelnummer Part number	DF	LF	LU	WF	Trennstelle W Interface W
RB229.00C4.2.K2.IK	40	68,5	45,5	11	BK003193
RB229.00C5.1.K2.IK	50	58,5	35,5	11	BK003193
RB229.00C5.2.K2.IK	50	78,5	55,5	11	BK003193
RB229.00C6.1.K2.IK	63	68,5	43,5	11	BK003193
RB229.00C6.2.K2.IK	63	88,5	63,5	11	BK003193
LB229.00C5.1.K2.IK	50	58,5	35,5	11	BK003293
LB229.00C5.2.K2.IK	50	78,5	55,5	11	BK003293
LB229.00C6.2.K2.IK	63	88,5	63,5	11	BK003293

Für Kassetten BK229 mit Kühlmittelzufuhr
For cassettes BK229 with coolant supply

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB229...	030.0518.T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	LF	LU	WF	Trennstelle W Interface W
HSK.L224.0063.084.K2.IK	63	70,3	54,8	12,75	BK002293
HSK.L224.0063.104.K2.IK	63	90,3	75,8	12,75	BK002293
HSK.R224.0063.084.K2.IK	63	70,3	54,8	12,75	BK002193
HSK.R224.0063.104.K2.IK	63	90,3	75,8	12,75	BK002193

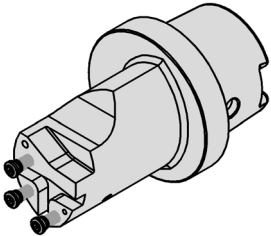
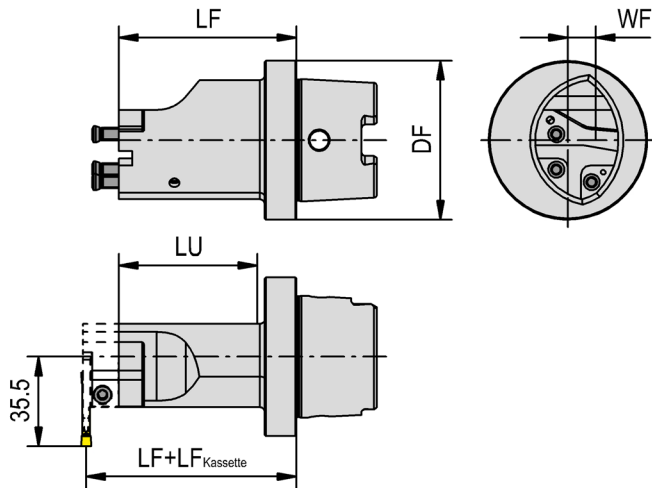
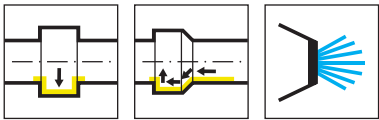
Für Kassetten BK224 mit Kühlmittelzufuhr
For cassettes BK224 with coolant supply

J1

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSK...	030.0518.T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

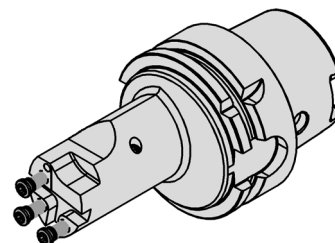
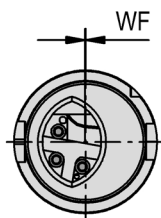
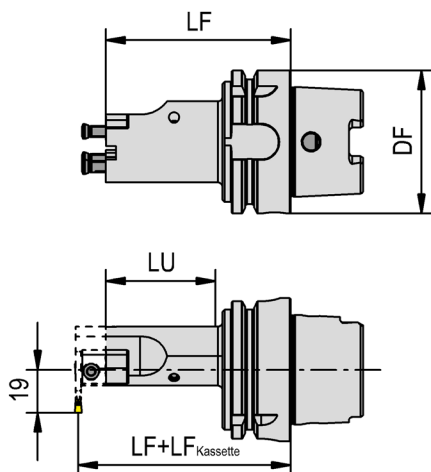
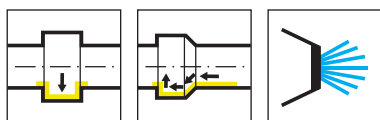
Artikelnummer Part number	DF	LF	LU	WF	Trennstelle W Interface W
HSK.L229.0063.085.K2.IK	63	70,3	54,8	11	BK003293
HSK.L229.0063.105.K2.IK	63	90,3	74,8	11	BK003293
HSK.R229.0063.085.K2.IK	63	70,3	54,8	11	BK003193
HSK.R229.0063.105.K2.IK	63	90,3	74,8	11	BK003193

Für Kassetten BK229 mit Kühlmittelzufuhr
For cassettes BK229 with coolant supply

J1

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSK...	030.0518.T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	LF	LU	WF	Trennstelle W Interface W
HSKT63.LB224.095.K2.IK	63	81,3	48,3	0,25	BK002293
HSKT63.LB224.115.K2.IK	63	101,3	68,3	0,25	BK002293
HSKT63.RB224.095.K2.IK	63	81,3	48,3	0,25	BK002193
HSKT63.RB224.115.K2.IK	63	101,3	68,3	0,25	BK002193

zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

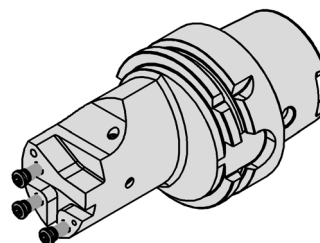
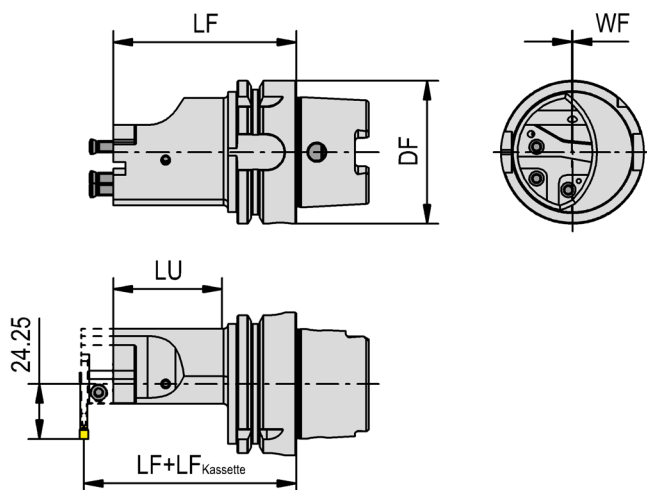
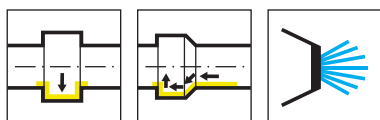
Für Kassetten BK224 **mit** Kühlmittelzufuhr
For cassettes BK224 with coolant supply

J1

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT63...	030.0518.T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	LF	LU	WF	Trennstelle W Interface W
HSKT63.LB229.095.K2.IK	63	80,5	47,5	0,25	BK003293
HSKT63.LB229.115.K2.IK	63	100,5	67,5	0,25	BK003293
HSKT63.RB229.095.K2.IK	63	80,5	47,5	0,25	BK003193
HSKT63.RB229.115.K2.IK	63	100,5	67,5	0,25	BK003193

zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

Für Kassetten BK229 **mit** Kühlmittelzufuhr
For cassettes BK229 with coolant supply

J1

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT63...	030.0518.T20P	T20PQ

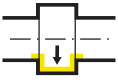
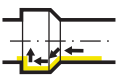
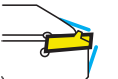


J1

Kapitel Chapter	J						
	J1				J2		
	Grundhalter / Basic toolholder				Kassetten / Cassetes		
Maschinenaufnahme Adapter machine side	PSC	TS	HSK	HSKT	BK001	BK002	BK003
Type/type	C3	TS40	HSK63	HSKT63	BK223	BK224	BK229
	C4	TS50		HSKT100			
	C5	TS63					
	C6						

System / System

223					•		
224	•	•	•	•		•	
229	•	•	•	•			•

CW					2-3	2-6	3-6
CDX					6,3	11	12-15
DMIN					28	40	50-60
	•	•	•	•	•	•	•
	•	•	•	•	•	•	•
	•	•	•	•			
						•	•
mit Greiferrille with tool changing groove	•	•		•			
ohne Greiferrille without tool changing groove			•				

Ausführung / Version

K1 0°							
K2 90°	•	•	•	•			
K3 20°							
K4 80°							

J2

BK



J2

Kassetten für die Innenbearbeitung

System 223
System 224
System 229

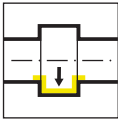
Cassettes for internal machining

System 223
System 224
System 229

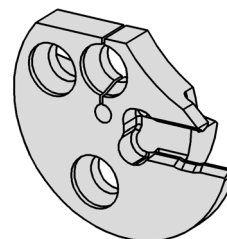
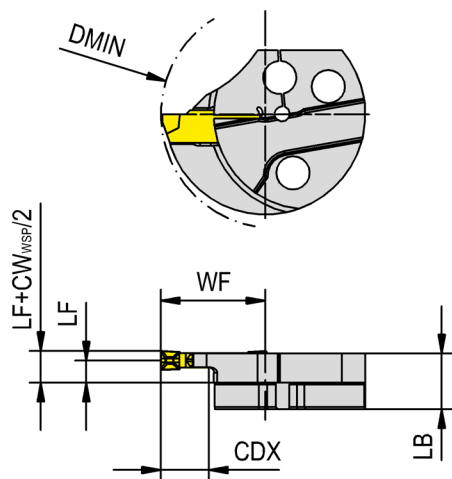
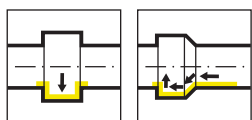
Inhaltsangabe

Summary

Kassette
Cassette
BK223/BK224/BK229



Seite/Page
759-761



R = rechts wie gezeichnet
R = right hand version shown

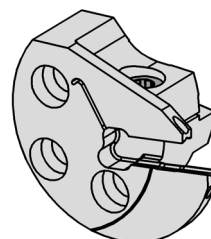
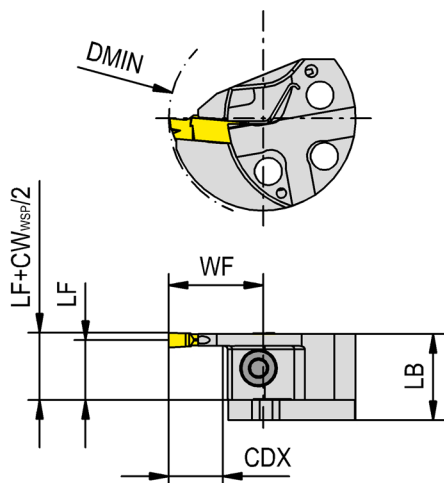
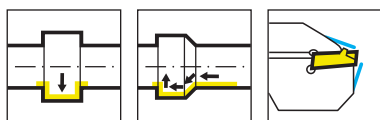
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	DMIN	WF	LF	LB	Trennstelle W Interface W	Trennstelle M Interface M
RBK223.0028.01	6,3	28	13,8	3,1	7,38	223010008N	BK001183
RBK223.0028.02	6,3	28	13,8	2,95	7,38	223020008N	BK001183
RBK223.0028.03	6,3	28	13,8	2,7	7,38	223030008N	BK001183
LBK223.0028.01	6,3	28	13,8	3,1	7,38	223010008N	BK001283
LBK223.0028.02	6,3	28	13,8	2,95	7,38	223020008N	BK001283
LBK223.0028.03	6,3	28	13,8	2,7	7,38	223030008N	BK001283

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

Für Grundhalter B223 **ohne** Kühlmittelzufuhr
For basic toolholder B223 without coolant supply

Die passenden Halter finden Sie in Kapitel B4.
For holder please see chapter B4.



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	CDX	DMIN	WF	LF	LB	Trennstelle W Interface W	Trennstelle M Interface M
RBK224.0040.01.IK	11	40	19,25	12,7	17,6	224010058N	BK002193
RBK224.0040.02.IK	11	40	19,25	12,45	17,55	224020058N	BK002193
RBK224.0040.03.IK	11	40	19,25	12,2	17,5	224030058N	BK002193
RBK224.0040.04.IK	11	40	19,25	11,7	17,45	224040058N	BK002193
RBK224.0040.05.IK	11	40	19,25	11,2	17,3	224050058N	BK002193
RBK224.0040.06.IK	11	40	19,25	10,7	17,15	224060058N	BK002193
LBK224.0040.01.IK	11	40	19,25	12,7	17,6	224010058N	BK002293
LBK224.0040.02.IK	11	40	19,25	12,45	17,55	224020058N	BK002293
LBK224.0040.03.IK	11	40	19,25	12,2	17,5	224030058N	BK002293
LBK224.0040.04.IK	11	40	19,25	11,7	17,45	224040058N	BK002293
LBK224.0040.05.IK	11	40	19,25	11,2	17,3	224050058N	BK002293
LBK224.0040.06.IK	11	40	19,25	10,7	17,15	224060058N	BK002293

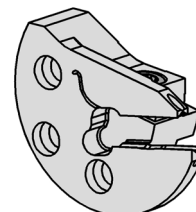
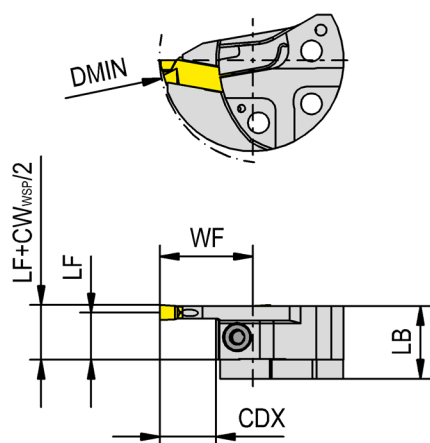
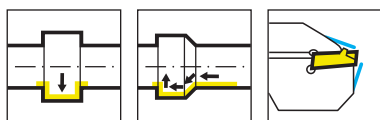
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Für Grundhalter B224 mit Kühlmittelzufuhr
For basic toolholder B224 with coolant supply

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LBK224...	5.13T20EP	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Partnumber	CDX	DMIN	WF	LF	LB	TrennstelleW InterfaceW	TrennstelleM InterfaceM
RBK229.0050.03.IK	12	50	24,5	13	19,2	229030108N•229040108N•S229030108N•S229040108N	BK003193
RBK229.0050.04.IK	12	50	24,5	12,5	19,15	229040108N•229050108N•S229040108N•S229050108N	BK003193
RBK229.0050.05.IK	12	50	35,5	11,5	18,8	229060108N•S229060108N	BK003193
LBK229.0050.03.IK	12	50	24,5	13	19,2	229030108N•229040108N•S229030108N•S229040108N	BK003293
LBK229.0050.04.IK	12	50	24,5	12,5	19,15	229040108N•229050108N•S229040108N•S229050108N	BK003293
LBK229.0050.05.IK	12	50	24,5	11,5	18,8	229060108N•S229060108N	BK003293

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Für Grundhalter B229 **mit** Kühlmittelzufuhr
For basic toolholder B229 with coolant supply

Stechtiefe in Abhängigkeit des Bohrungs- $\varnothing$
Depth of groove in relation to bore $\varnothing$

DMIN	CDX
50	12
60	15

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LBK229...	5.13T20EP	T20PQ

J2



Bohrstangenaufnahme

Adapter for Boring Bar

MODULARE HALTERSYSTEME

MODULAR HOLDER SYSTEMS

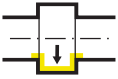
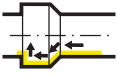
Seite/Page

Grundhalter mit PSC-Aufnahme
Basic Toolholder with Adapter PSC

764

K

HCG - HORN Catalogue Guide

Kapitel Chapter	K
	K1
	Grundhalter / Basic toolholder
Maschinenaufnahme Adapter machine side	PSC
Type/type	C3
	C4
	C5
	C6
Bohrungsdurchmesser Bore diameter	16 / 20
	•
	•
mit Greiferrille with tool changing groove	•
ohne Greiferrille without tool changing groove	

K1



**Grundhalter mit
PSC-Aufnahme**

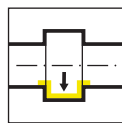
**Basic Toolholder
with adaptor PSC**

K1

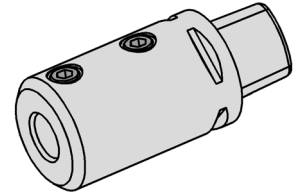
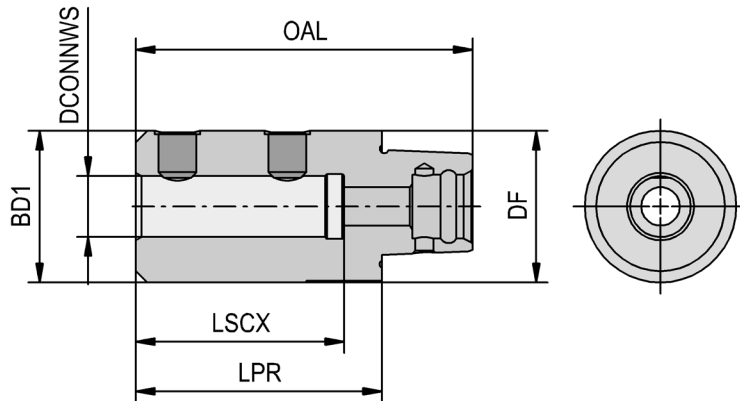
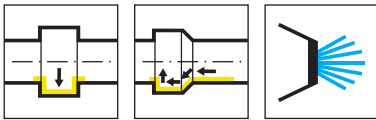
Inhaltsangabe

Summary

Bohrstangen-Aufnahme
Adaptor for boring bars
001C



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Artikelnummer Part number	DCONWS	DF	LPR	OAL	BD1	LSCX
001.00C4.16	16	40	65	89	40	55
001.00C4.20	20	40	70	94	40	58

Ersatzteile

Spare Parts

Bohrstangen-Aufnahme Adaptor for boring bars	Spannschraube Clamping Screw
001...	10.12.1835



K1

Schnittstelle 840

MODULARE HALTERSYSTEME MODULAR HOLDER SYSTEMS

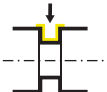
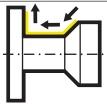
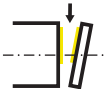
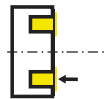
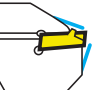
System/System

Seite/Page

Schnittstelle 840

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Kapitel Chapter	L							
	L1							
Schnittstelle 840 Interface 840	Grundhalter Basic toolholder	Kassetten radial / Cassettes radial						
Type/type	HSKT40	NK100	NK224	NK264	NK274	NK356	NK360	NK368

CW		2-4	2-6	1,5-3				
CDX		18-25	18	16	6	5	4-6	8
CUTDIA		65	65	65	25	35	40	18
	•	•	•	•	•	•	•	•
	•		•	•	•	•	•	
	•	•	•	•	•	•	•	•
	•							
	•							
		•	•		•			
mit Greiferrille with tool changing groove	•							
ohne Greiferrille without tool changing groove								

Ausführung / Version

K 10°	•							
K 290°								

840



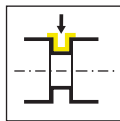
Grundhalter und Kassetten

Basic toolholder and cassettes

Inhaltsangabe

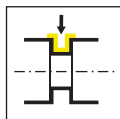
Summary

Grundhalter
Basic toolholder
HSKT40

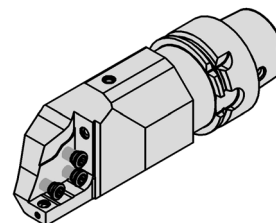
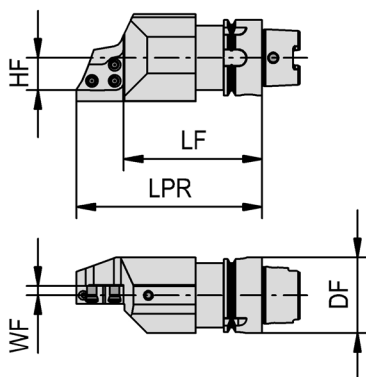
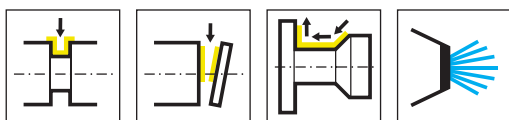


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Kassette
Cassette
NK100/NK224/NK264/
NK274/NK356/NK360/
NK368



Seite/Page
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R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	WF	Trennstelle W Interface W
HSKT40.L840.110.K1.IK	40	17	73	110	5	84000083 • 84000093
HSKT40.R840.110.K1.IK	40	17	73	110	5	84000083 • 84000093

Einstellmaß WF in Abhängigkeit zur Kassette
Adjustment dimension WF in relation to Cassette

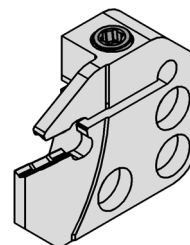
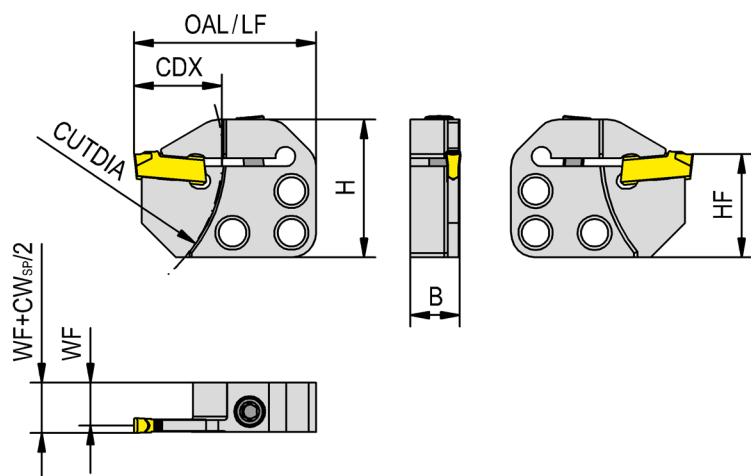
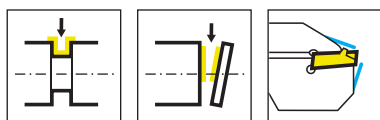
zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

Spitzenhöhe liegt 4 mm über Mitte
The cutting edge is above 4 mm the centre height

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Kugelspritzdüse Coolant spray nozzle	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT40...	020.0806.3116	5.18T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

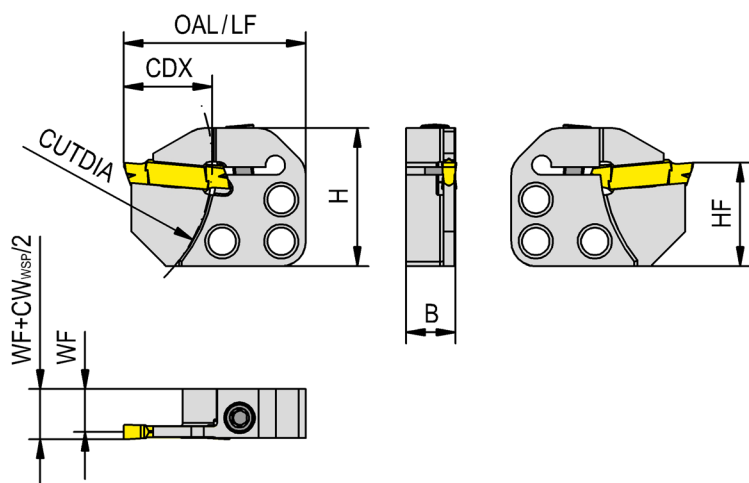
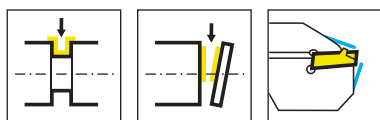
Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK100.0840.1.4.03.IK	18	65	8,7	37	37	21	28	10	100030058N	84000093
RNK100.0840.1.4.04.IK	18	65	8,2	37	37	21	28	10	100040058N	84000093
RNK100.0840.3.4.02.IK	25	65	9	44	44	21	28	10	100020058N	84000093
RNK100.0840.3.4.03.IK	25	65	8,7	44	44	21	28	10	100030058N	84000093
RNK100.0840.1.02	18	65	9	37	37	21	28	10	100020058N	84000083
RNK100.0840.1.03	18	65	8,7	37	37	21	28	10	100030058N	84000083
RNK100.0840.1.04	18	65	8,2	37	37	21	28	10	100040058N	84000083
RNK100.0840.1.05	18	65	7,7	37	37	21	28	10	100040058N	84000083
RNK100.0840.3.02	25	65	9	44	44	21	28	10	100020058N	84000083
RNK100.0840.3.03	25	65	8,7	44	44	21	28	10	100030058N	84000083
LNK100.0840.1.4.03.IK	18	65	8,7	37	37	21	28	10	100030058N	84000093
LNK100.0840.1.4.04.IK	18	65	8,2	37	37	21	28	10	100040058N	84000093
LNK100.0840.3.4.02.IK	25	65	9	44	44	21	28	10	100020058N	84000093
LNK100.0840.1.01	18	65	9,2	37	37	21	28	10	100010058N	84000083
LNK100.0840.1.02	18	65	9	37	37	21	28	10	100020058N	84000083
LNK100.0840.1.03	18	65	8,7	37	37	21	28	10	100030058N	84000083
LNK100.0840.1.04	18	65	8,2	37	37	21	28	10	100040058N	84000083
LNK100.0840.1.05	18	65	7,7	37	37	21	28	10	100040058N	84000083
LNK100.0840.3.02	25	65	9	44	44	21	28	10	100020058N	84000083
LNK100.0840.3.03	25	65	8,7	44	44	21	28	10	100030058N	84000083

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK100.0840...	4.20T15P	T15PQ
RNK100.0840.1.03	4.15T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

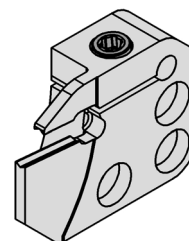
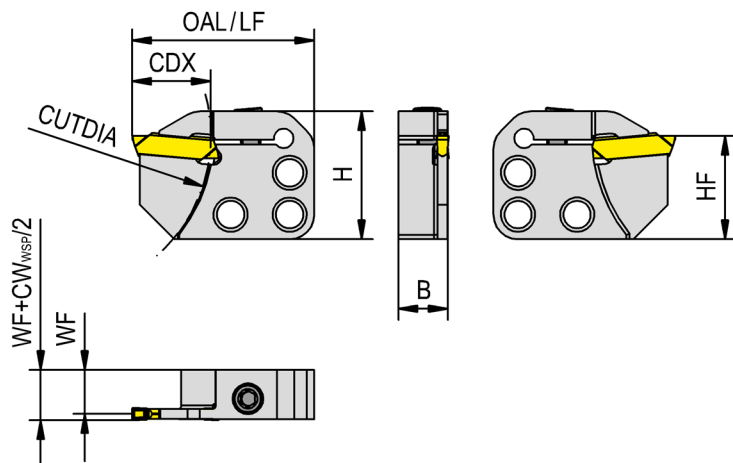
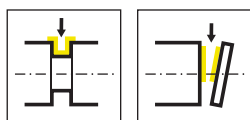
Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK224.0840.1.4.02.IK	18	65	8,95	37	37	21	28	10	224020058N	84000093
RNK224.0840.1.4.03.IK	18	65	8,7	37	37	21	28	10	224030058N	84000093
RNK224.0840.1.4.04.IK	18	65	8,2	37	37	21	28	10	224040058N	84000093
RNK224.0840.1.01	18	65	9,2	37	37	21	28	10	224010058N	84000083
RNK224.0840.1.02	18	65	8,95	37	37	21	28	10	224020058N	84000083
RNK224.0840.1.03	18	65	8,7	37	37	21	28	10	224030058N	84000083
RNK224.0840.1.04	18	65	8,2	37	37	21	28	10	224040058N	84000083
RNK224.0840.1.05	18	65	7,7	37	37	21	28	10	224050058N	84000083
RNK224.0840.1.06	18	65	7,2	37	37	21	28	10	224060058N	84000083
LNK224.0840.1.4.02.IK	18	65	8,95	37	37	21	28	10	224020058N	84000093
LNK224.0840.1.4.03.IK	18	65	8,7	37	37	21	28	10	224030058N	84000093
LNK224.0840.1.4.04.IK	18	65	8,2	37	37	21	28	10	224040058N	84000093
LNK224.0840.1.01	18	65	9,2	37	37	21	28	10	224010058N	84000083
LNK224.0840.1.02	18	65	8,95	37	37	21	28	10	224020058N	84000083
LNK224.0840.1.03	18	65	8,7	37	37	21	28	10	224030058N	84000083
LNK224.0840.1.05	18	65	7,7	37	37	21	28	10	224050058N	84000083
LNK224.0840.1.06	18	65	7,2	37	37	21	28	10	224060058N	84000083

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK224...	4.20T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

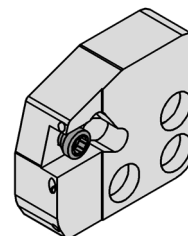
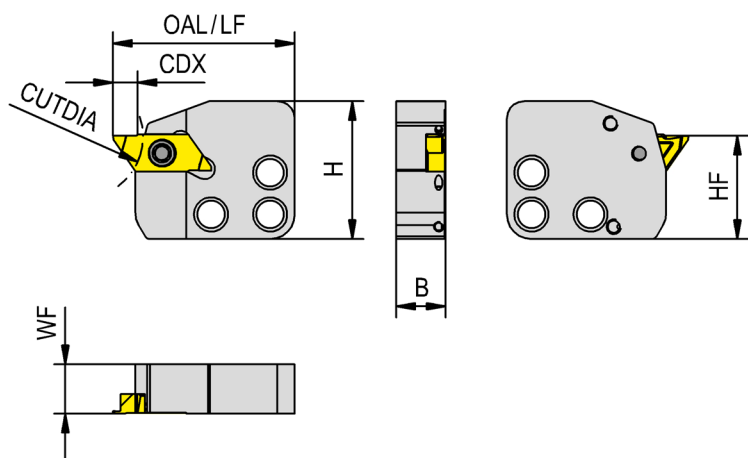
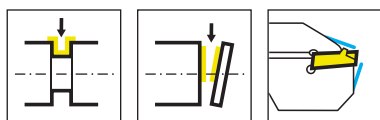
Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK264.0840.1.01	13	65	10,2	37	37	21	26	10	264010058N	84000083
RNK264.0840.1.02	16	65	10,2	37	37	21	26	10	264020058N	84000083
RNK264.0840.1.03	16	65	10,2	37	37	21	26	10	264030058N	84000083
RNK264.0840.1.04	16	65	10,2	37	37	21	26	10	264040058N	84000083
LNK264.0840.1.01	13	65	10,2	37	37	21	26	10	264010058N	84000083
LNK264.0840.1.02	16	65	10,2	37	37	21	26	10	264020058N	84000083
LNK264.0840.1.04	16	65	10,2	37	37	21	26	10	264040058N	84000083

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK264...	4.20T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

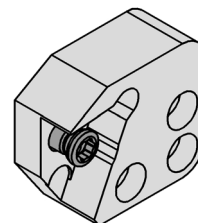
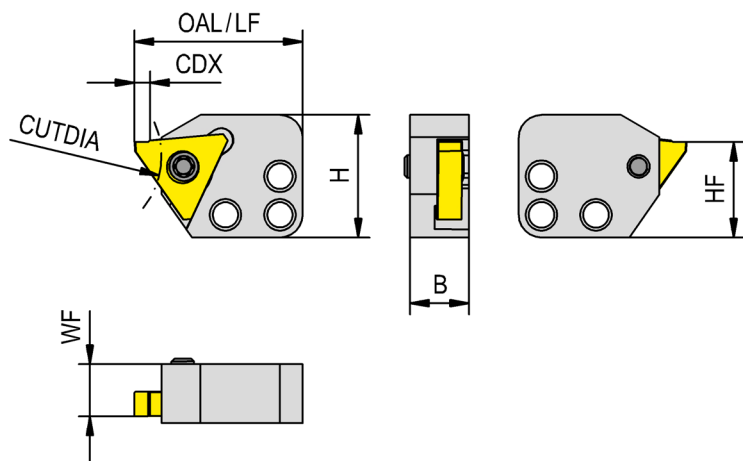
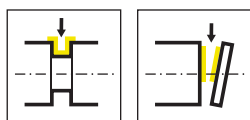
Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK274.0840.1.4.04.1K	6	25	6	37	37	21	28	10	274040000R	84000093
RNK274.0840.1.04	6	25	6	37	37	21	21	10	274040000R	84000083

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RNK274...	030.3509.T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

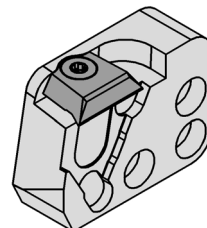
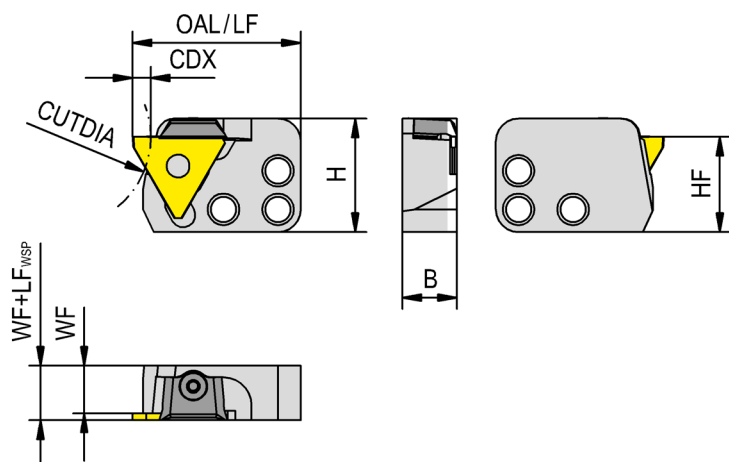
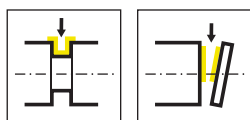
Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK356.0840.1.05	5	-	12,3	37	37	21	27	12	31505050R	84000083
RNK356.0840.1.07	5	-	11,5	37	37	21	27	13	31507050R	84000083
RNK356.0840.1.16	5	35	11,4	37	37	21	23,4	12	31506050R	84000083
LNK356.0840.1.05	5	-	12,3	37	37	21	27	12	31505050L	84000083
LNK356.0840.1.07	5	-	11,5	37	37	21	27	13	31507050L	84000083
LNK356.0840.1.16	5	35	6	37	37	21	23,4	12	31506050L	84000083

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK356...	5.12T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

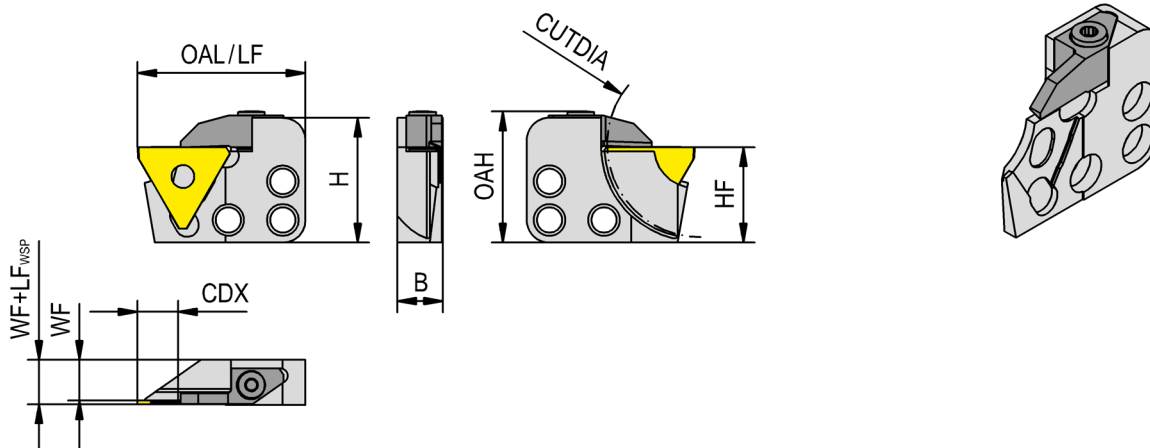
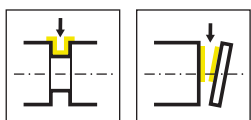
Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK360.0840.1.01	4	40	10,5	37	37	21	25	12	31201000N	84000083
RNK360.0840.1.02	6	40	9,5	37	37	21	25	12	31202000N	84000083
LNK360.0840.1.02	6	40	9,5	37	37	21	25	12	31202000N	84000083
LNK360.0840.1.04	6	40	10,8	37	37	21	25	16	31204000N	84000083

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK360.0840.1...	12.3	T10PL
LNK360.0840.1.04	14.4	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK368.0840.1.08	8	18	9	37	37	28,85	21	27,5	10	31208000N	84000083
RNK368.0840.1.11	8	18	8,7	37	37	28,85	21	27,5	10	31211000N	84000083
LNK368.0840.1.08	8	18	9	37	37	28,85	21	27,5	10	31208000N	84000083

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile

Spare Parts

Kassette Cassette	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LNK368.0840.1.08	010.0312.0482	T10PL
RNK368.0840.1...	010.0004.0427	T10PL

MODULARES STECHSYSTEM MIT INNENKÜHLUNG

MODULAR GROOVING SYSTEM
WITH INTERNAL COOLING

Seite/Page

**Grundhalter Typ BMT, MAZ, 960.VDI, 960.HSKT
und Stechhaltestück Schnittstelle FN12** **788**
Basic Toolholder type BMT, MAZ, 960.VDI, 960.HSKT
and Grooving Toolholder with FN12 Interface

Grundhalter System 940, 990, 991 **806**
mit Stechhaltestück
Basic Toolholder System 940, 990, 991
with Grooving Toolholder

Kapitel Chapter	M								
	M1								
	Grundhalter / Basic toolholder					Stechhaltestücke / Grooving toolholder			
Maschinenaufnahme Adapter machine side	VDI..C0	VDI..B0	BMT	MAZ	HSKT	960.A	960.I.	960.N	960.Q
Type/type	25	30	siehe /see HORN TOOL SELECT (HTS)		63				
	30	40							
	40	50							
	50								

Schnittstelle / Interface

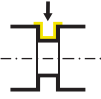
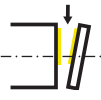
FN12	•		•	•	•	•	•		
FN25			•					•	
SZ40		•							•
SZ60		•							•

Aufnahme / Adapter

NK842						•	•		
NK845						•	•	•	
NK220						•	•		
Schwert, 26 mm Höhe Blade, 26 mm hight						•			
Schwert 32mm Höhe Blade, 32 mm hight						•		•	
	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•

Kapitel Chapter	M					
	M2					
Grundhalter Basic toolholder	990		991		940	
Stechhaltestück Grooving toolholder		990.IK		991.IK		940..IK

Aufnahme / Adapter

NK842				•		•
NK845		•				
NK220						
Schwert, 26 mm Höhe Blade, 26 mm hight						
Schwert 32mm Höhe Blade, 32 mm hight						
						
						
	•		•		•	

Finden Sie den richtigen Grundhalter für Ihre Maschine:
Find the right basic toolholder for your machine:

horn-group.com/de/produkte/horn-tool-select

[eShop](#) [Horn Akademie](#) [Presse](#) [Downloads](#) [Karriere](#) [Deutschland](#) [Q](#)

ph HORN ph **PRODUKTE** **SERVICE** **UNTERNEHMEN** **AKTUELLES** **KONTAKT**

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HORN Tool Select (HTS)

HORN-Grundhalter für Abstechsystem 960

Gewindewirbeln mit HORN-Werkzeugen

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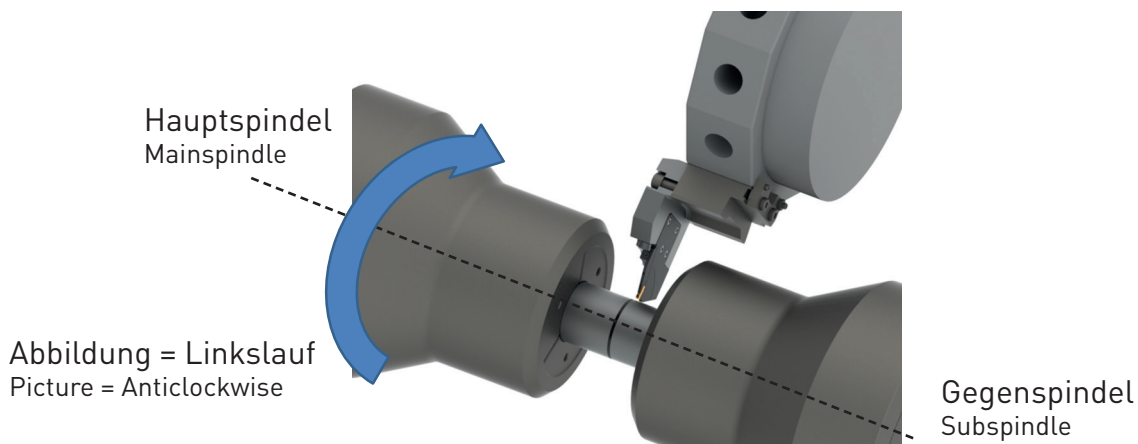
[Horn / Products / HORN Tool Select](#)

HORN Tool Select (HTS)

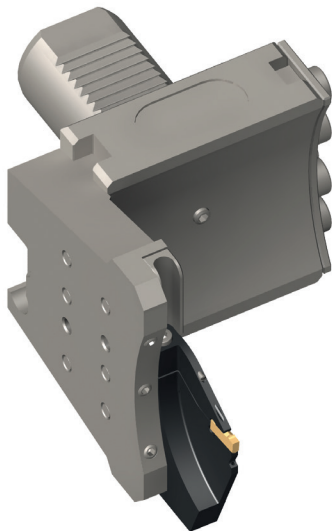
HORN base holder for system 960

Whirling System Selection Tool

© 2023 Hartmetall-Werkzeugfabrik Paul Horn GmbH



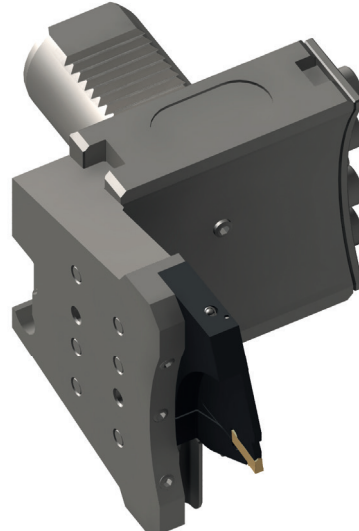
Abstechen an der Gegenspindel im
Linkslauf
Parting off on the subspindle in
anti-clockwise rotation



Stechhaltestück
Grooving toolholder
960.I.0.845...

Kassette
Cassette
RNK100.0845...

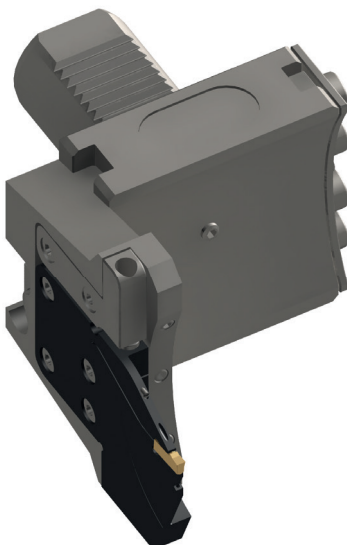
Abstechen an der Gegenspindel im
Rechtslauf - Überkopf
Parting off on the subspindle in
clockwise rotation - overhead position



Stechhaltestück
Grooving toolholder
960.I.0.845...

Kassette
Cassette
LNK100.0845...

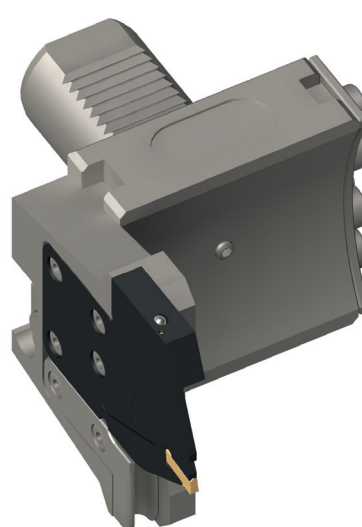
Abstechen an der Hauptspindel im
Linkslauf
Parting off on the main spindle in
anti-clockwise rotation



Stechhaltestück
Grooving toolholder
960.A.0.845...

Kassette
Cassette
LNK100.0845...

Abstechen an der Hauptspindel im
Rechtslauf - Überkopf
Parting off on the main spindle in
clockwise rotation - overhead position



Stechhaltestück
Grooving toolholder
960.A.0.845...

Kassette
Cassette
RNK100.0845...

Grundhalter Basic toolholder	
BMT-Größe festlegen Select size BMT	BMT40
Auswahl Grundhalter Select basis toolholder	960.BMT40.C0.00101
Maß notieren Notice dimension	LF = 9 mm
Stechhaltestück Grooving toolholder	
Außenliegende Kassette External cassette	960.A....
Innenliegende Kassette (höhere Bauform) Internal cassette (higher construction)	960.I....
Auswahl Stechhaltestück Select grooving toolholder	960.I.0.845.0003.IK
Ermittlung der Referenzlänge, Maß notieren Determining the reference length, Notice dimension	
Grundhalter 960.BMT40... (LF = 9 mm) Stechhaltestück 960.I...0003 (LF = 80,5 mm) Basic toolholder 960.BMT40... Grooving toolholder 960.I...0003	$l_g = LF\ 9\ \text{mm} + LF\ 80,5\ \text{mm} = 89,5\ \text{mm}$ $f = 66,8\ \text{mm}$
Kassette Cassette	
Vorgaben Dimensions	Stangen-Ø 65 mm, Breite 3 mm bar diameter 65 mm, width 3 mm
Auswahl Kassette Select cassette	LNK100.0845.34.4.73.IK
Maß notieren Notice dimension	LF = 46 mm

Berechnung der Referenzlänge Calculation of the reference length	Werkzeugdaten Tool data	
$l_g\ 89,5\ \text{mm} + LF\ 46\ \text{mm} = 135,5\ \text{mm}$	x	z
	$r = 135,5\ \text{mm}$ $\varnothing = 271,0\ \text{mm}$	$f = 66,8\ \text{mm}$

Berechnung Umlaufdurchmesser Spannmittel Calculation of swing diameter clamping device
--

135,5 mm - OAL (27 mm) = 108,5 mm ergibt einen Umlaufdurchmesser von max. 217 mm

135,5 mm - OAL (27 mm) = 108,5 mm results in a maximum circular diameter of 217 mm



Kapitel Chapter	M								
	M1								
	Grundhalter / Basic toolholder					Stechhaltestücke / Grooving toolholder			
Maschinenaufnahme Adapter machine side	VDI..C0	VDI..B0	BMT	MAZ	HSKT	960.A	960.I.	960.N	960.Q
Type/type	25	30	siehe /see HORN TOOL SELECT (HTS)		63				
	30	40							
	40	50							
	50								

Schnittstelle / Interface

FN12	•		•	•	•	•	•		
FN25			•					•	
SZ40		•							•
SZ60		•							•

Aufnahme / Adapter

NK842						•	•		
NK845						•	•	•	
NK220						•	•		
Schwert, 26 mm Höhe Blade, 26 mm hight						•			
Schwert 32mm Höhe Blade, 32 mm hight						•		•	
	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•

960

M1



**Grundhalter Typ BMT, MAZ,
960.VDI, 960.HSKT und Stech-
haltestück Schnittstelle FN12**

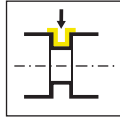
**Basic Toolholder type BMT,
MAZ, 960.VDI, 960.HSKT and
Grooving Toolholder with FN12
Interface**

Inhaltsangabe

Summary

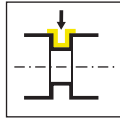
M1

Grundhalter
Basic toolholder
960.BMT/960.MAZ/960.
VDI/960.HSKT

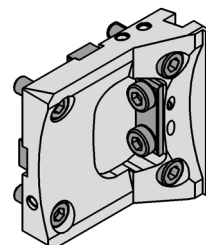
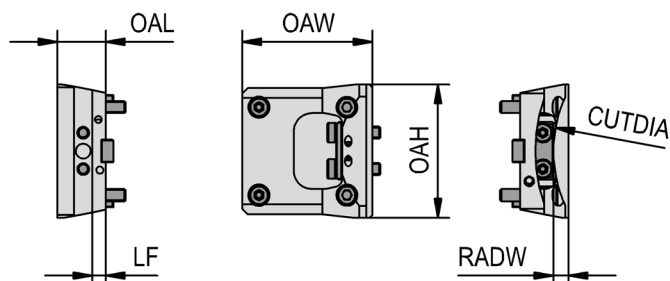
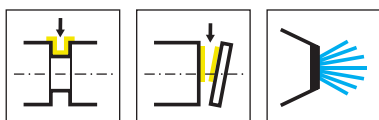


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Stechhaltestück
Grooving toolholder
960



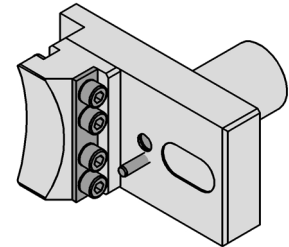
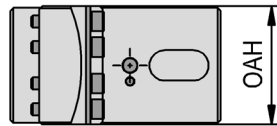
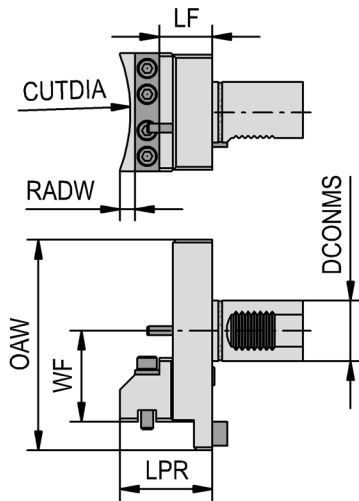
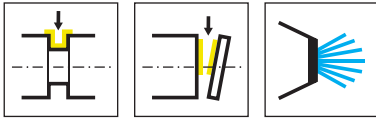
Seite/Page
796-798, 800-801, 803



Artikelnummer Part number	OAH	OAL	OAW	LF	RADW	CUTDIA	Trennstelle W Interface W
960.BMT00.C0.00701	80	58	102	34	7	176	FN12
960.BMT00.C0.01301	108	42	135	19	-	-	FN12
960.BMT00.C0.01701	90	32	78	9,5	8	147	FN12
960.BMT32.C0.00101	100	25	112,5	1	-	-	FN12
960.BMT38.C0.00101	75	32	86	9	7	166	FN12
960.BMT40.C0.00101	82	32	120	9	5	176	FN12
960.BMT42.C0.00101	80	32	68	9	7	140	FN12
960.BMT45.C0.00101	75	32	83	9	10	170	FN12
960.BMT45.C0.00201	74	30	100,5	9	8	170	FN12
960.BMT55.C0.00101	84	30	84	9	8	166	FN12
960.BMT55.C0.00201	84	32	104	9	10	211	FN12
960.BMT55.C0.00301	92	32	104	9	9	172	FN12
960.BMT55.C0.00401	84	32	94,5	9	10	170	FN12
960.BMT60.C0.00101	108	32	133	9	4	174	FN12
960.BMT65.C0.00101	91	30	99	9	8	166	FN12
960.BMT65.C0.00201	99	32	106	9	10	166	FN12
960.BMT65.C0.00301	96	36	109	13	9	255	FN12
960.BMT68.C0.00101	86	48	137	26	7	152	FN12
960.BMT75.C0.00101	112	45	132,5	19	11	255	FN12
960.BMT80.C0.00101	96	33	120	10	7	176	FN12
960.BMT80.C0.00201	96	48	174,5	26	-	-	FN12

Finden Sie den richtigen Grundhalter: horn-group.com/de/produkte/horn-tool-select
Find the right basic toolholder: horn-group.com/de/produkte/horn-tool-select

M1



Artikelnummer Part number	OAH	DCONMS	OAW	LF	RADW	CUTDIA	LPR	WF	Trennstelle W Interface W	Trennstelle M Interface M
960.MAZ00.C0.00101	80	40	139	37	7	210	61	38,75	FN12	ZYV04000115
960.MAZ00.C0.00201	78	40	139	37	7	210	61	60	FN12	ZYV04000115
960.MAZ40.C0.00101	76	40	139	37	7	210	61	60	FN12	ZYV04000115
960.MAZ40.C0.00201	78	40	139	37	7	210	61	60	FN12	ZYV04000115
960.MAZ40.C0.00301	78	40	142	34	6	176	58	63	FN12	ZYV04000115
960.MAZ40.C0.00401	78	40	142	34	6	176	58	63	FN12	ZYV04000115
960.MAZ50.C0.00101	96	50	140	52	6	200	77	60	FN12	ZYV05000115

Übersicht 845 Kassetten + VDI Grundhalter

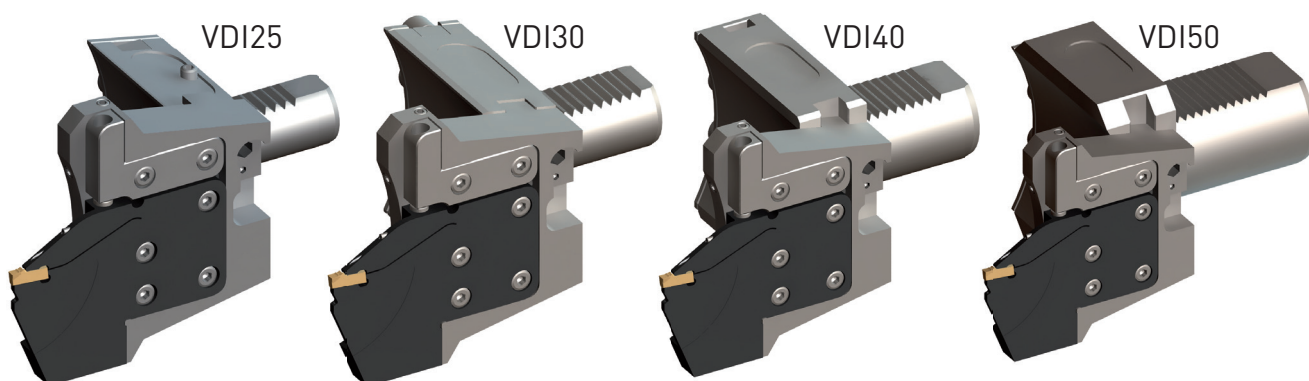
Overview of cassettes 845 + basic toolholder VDI



M1

VDI-Halter für alle Größen – 1 Stechhaltestück für alle Größen

1 Grooving toolholder fits all basic VDI toolholders

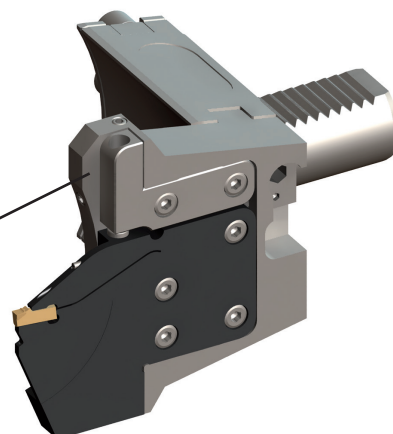
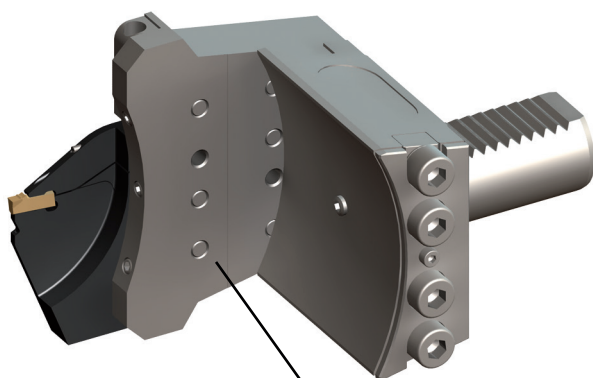


1 Grundhalter + 1 Stechhaltestück = 4 Möglichkeiten des Zusammenbaus

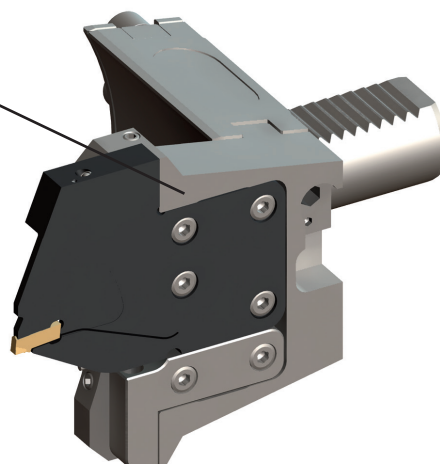
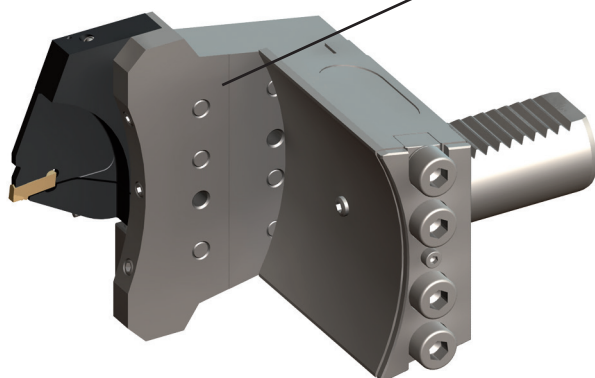
1 Basic toolholder + 1 Grooving toolholder = 4 possibilities of assembling

Links – Normallage
Left – normal position

Rechts – Normallage
Right – normal position



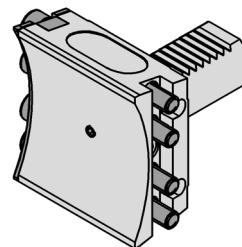
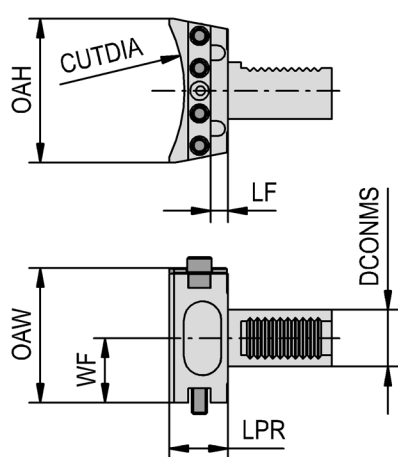
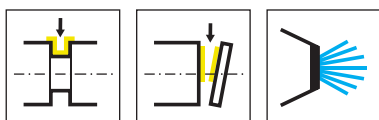
Identisches Stechhaltestück
Identical grooving toolholder



Links – Überkopf
Left – overhead position

Rechts – Überkopf
Right – overhead position

M1



Artikelnummer Part number	OAH	DCONMS	OAW	LF	CUTDIA	LPR	WF	Trennstelle W Interface W	Trennstelle M Interface M
960.VDI25.C0.00101	68	25	59,5	9	160	29	28	FN12	ZYV02500115
960.VDI30.C0.00101	76	30	71	9	160	31	34	FN12	ZYV03000115
960.VDI40.C0.00101	84	40	83,5	9	160	31	40	FN12	ZYV04000115
960.VDI50.C0.00101	98	50	83,5	9	160	35	40	FN12	ZYV05000115

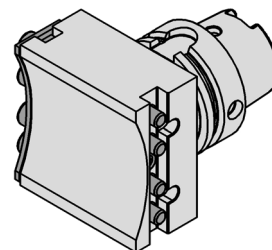
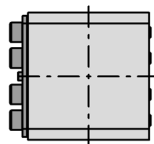
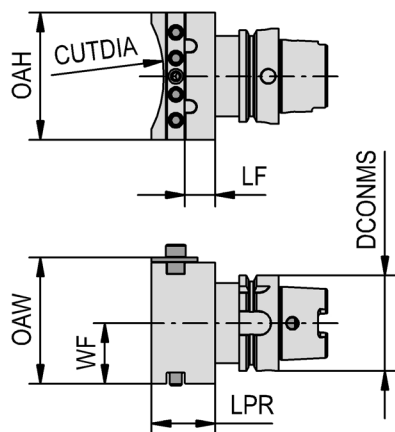
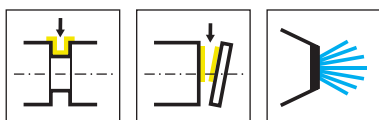
Grundhalter 960.VDI25.C0... für Stechhaltestück 960.A.0.842... und 960.I.0.0842... verwenden.

Bei Verwendung von Stechhaltestücken 960.A.0.845... und 960.I.0.0845... **Störkontur beachten!**

Basic holder 960.VDI25.C0... for grooving toolholder 960.A.0.842... and 960.I.0.0842... When using grooving toolholder 960.A.0.845... and 960.I.0.0845... observe interference contour!

für Stechhaltestücke 960.A... und 960.I...

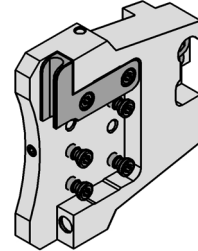
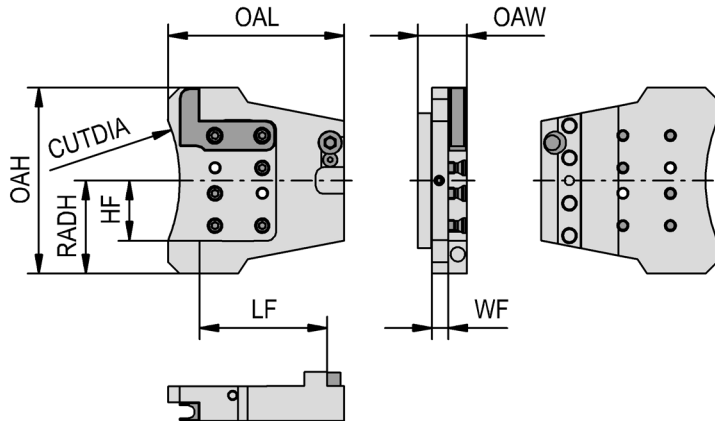
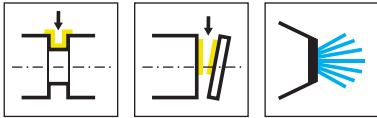
for grooving toolholder 960.A... and 960.I...



Artikelnummer Part number	OAH	DCONMS	OAW	LF	CUTDIA	LPR	WF	Trennstel- le W Interface W	Trennstelle M Interface M
960.HSKT63.C0.00101	84	63	83,5	62	160	42	40	FN12	HSK06300795

Bei Verwendung von Stechhaltestücken 960.A.0.845... und 960.I.0.0845... **Störkontur beachten!**
When using grooving toolholder 960.A.0.845... and 960.I.0.0845... observe interference contour!

für Stechhaltestücke 960.A... und 960.I...
for grooving toolholder 960.A... and 960.I...



960.A... = außenliegende Kassette
960.A... = cassettes external

960.I... = innenliegende Kassette
960.I... = cassettes internal

Artikelnummer Part number	OAH	HF	OAL	OAW	LF	RADH	CUTDIA	WF	Trennstelle W Interface W	Trennstelle M Interface M
960.A.0.842.0000.IK	73	20,85	63,9	25,9	45,5	36,5	70	8,7	84200093	FN12
960.I.0.842.0001.IK	73	20,85	76,9	26,9	58,5	36,5	70	8,7	84200093	FN12
960.A.0.845.0000.IK	98	31,65	68,9	25,9	49,5	49	-	8,7	84500093	FN12
960.A.0.845.0002.IK	98	31,65	86,9	25,9	67,5	49	-	8,7	84500093	FN12
960.A.0.845.0004.IK	98	31,65	104,4	25,9	85	49	-	8,7	84500093	FN12
960.I.0.845.0001.IK	98	31,65	81,9	26,9	62,5	49	-	8,7	84500093	FN12
960.I.0.845.0003.IK	98	31,65	99,9	26,9	80,5	49	-	8,7	84500093	FN12
960.I.0.845.0008.IK	89	31,65	81,9	26,9	62,5	49	-	8,7	84500093	FN12
960.I.0.845.0009.IK	98	31,65	104,4	26,9	85	49	-	8,7	84500093	FN12
960.I.0.845.0010.IK	98	31,65	142,4	25,9	123	49	-	8,7	84500093	FN12

960.I.0.845.0008.IK:

Kein Überkopf möglich

960.I.0.845.0008.IK:

No overhead position possible

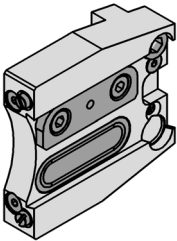
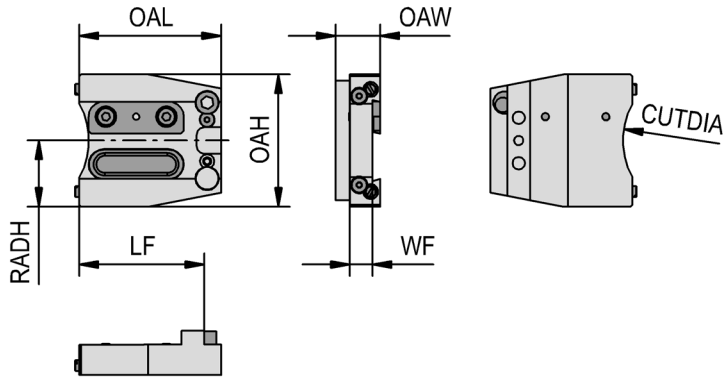
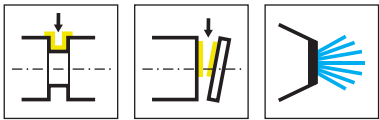
Stechhaltestücke sind jeweils für rechte und linke Kassetten verwendbar.

Grooving toolholder can be used with right and left hand cassettes.

Ersatzteile

Spare Parts

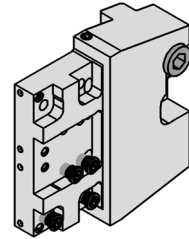
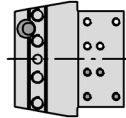
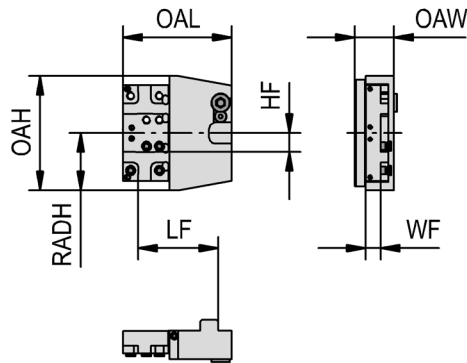
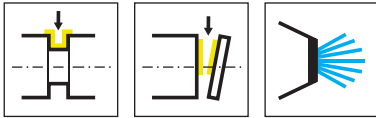
Stechhaltestück Grooving toolholder	Abdeckleiste Cover strip	Exzenterbolzen Eccentric bolt	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
960...	020.5033.4782	020.1208.4783	5.18T20P	T20PQ



Artikelnummer Part number	OAH	OAL	OAW	LF	RADH	CUTDIA	WF	Trennstelle W Interface W	Trenn- stelle M Interface M
960.A.0.26.0000.IK	70	74,9	23,4	66	35	80	12	PMU02600115 • PMU02600105	FN12
960.A.0.32.0000.IK	80	79,9	24,9	71	40	80	12	PMU03200115 • PMU03200105	FN12

Für Stechschwerter mit Bauhöhe 26 mm oder 32 mm
For blades with total height 26 mm or 32 mm

M1



960.A... = außenliegende Kassette
960.A... = cassettes external

960.I... = innenliegende Kassette
960.I... = cassettes internal

Artikelnummer Part number	OAH	HF	OAL	OAW	LF	RADH	WF	Trennstelle W Interface W	Trenn- stelle M Interface M
960.A.0220.0001.IK	75,5	12,5	71,9	26	53	37,75	10	22000293 • 22000193	FN12
960.I.0220.0001.IK	75,5	12,5	71,9	26	53	37,75	6	22000293 • 22000193	FN12

960.I.0.845.0008.IK:

Kein Überkopf möglich

960.I.0.845.0008.IK:

No overhead position possible

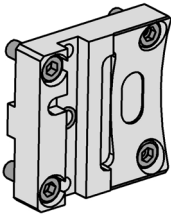
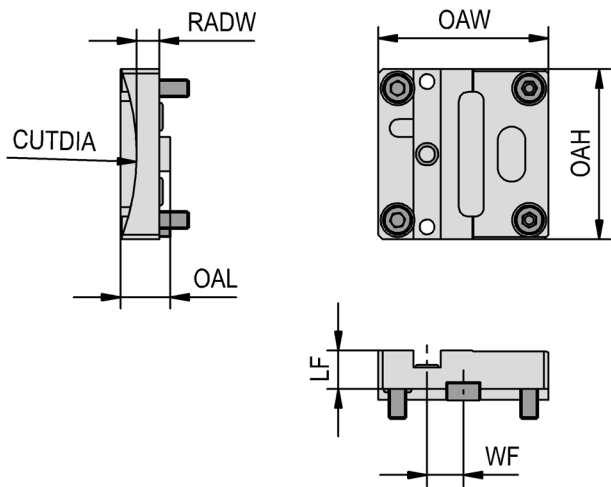
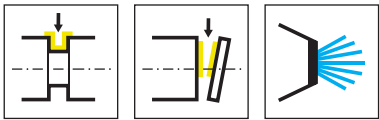
Für Kassette mit Schnittstelle 220

For Cassettes with interface 220

Ersatzteile

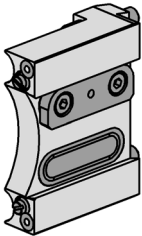
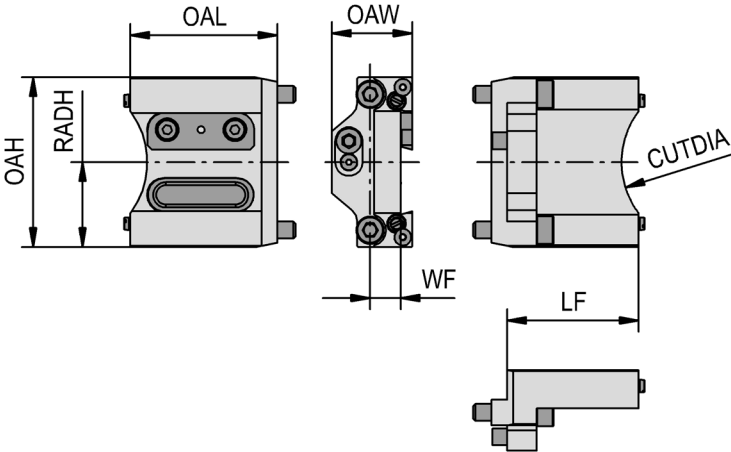
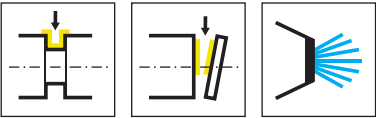
Spare Parts

Stechhaltestück Grooving toolholder	Spannschraube Clamping Screw	Exzenterbolzen Eccentric bolt	Schraube Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
960...	5.12T20P	020.1208.4783	4.08.10642	T20PQ



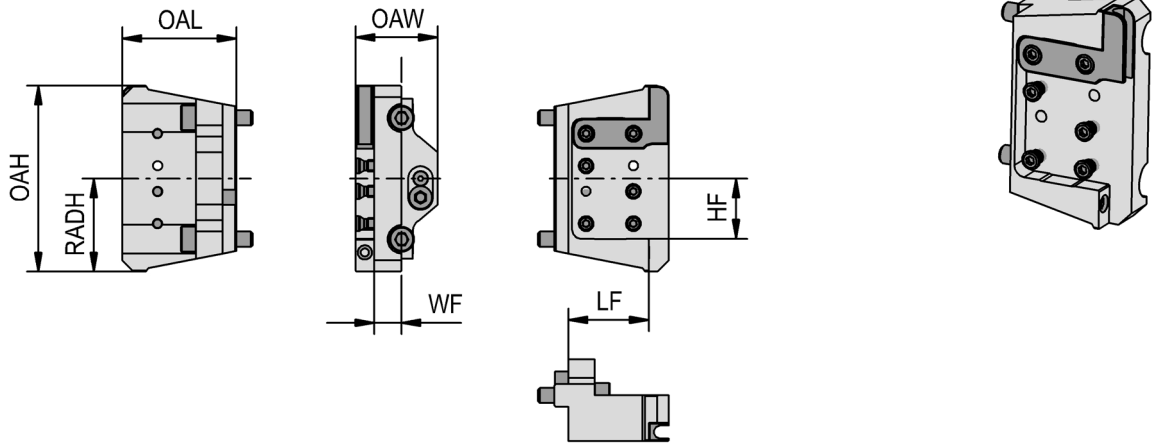
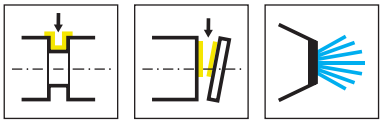
Artikelnummer Part number	OAH	OAL	OAW	LF	RADW	CUTDIA	WF	Trennstelle W Interface W
960.BMT45.N0.0001	75	21,8	75	17	10	211	16	FN25

M1



Artikelnummer Part number	OAH	OAL	OAW	LF	RADH	CUTDIA	WF	Trennstelle W Interface W	Trennstelle M Interface M
960.N.A.0.32.0000.IK	80	69,4	38	62	40	80	14,5	PMU03200115 • PMU03200105	FN25

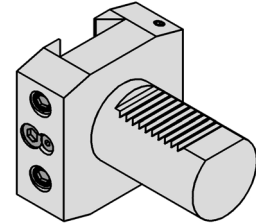
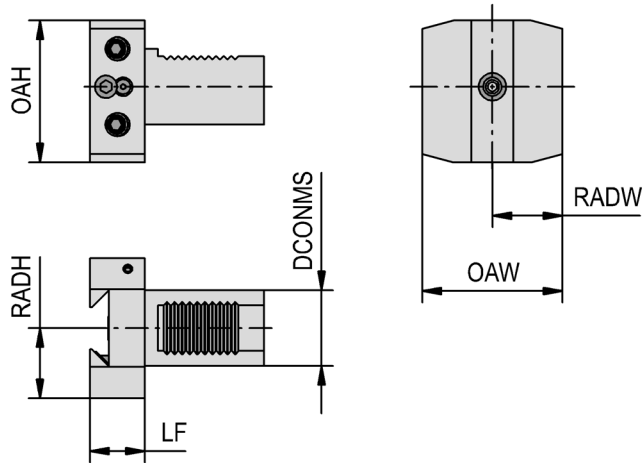
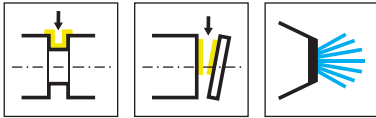
Hinweis:
Nur der Grunhalter 960.BMT45.N0.0001
Note:
Only the basic toolholder 960.BMT45.N0.0001
Für Stechschwerter mit Bauhöhe 32 mm
For blades with total height 26 mm or 32 mm



Artikelnummer Part number	OAH	HF	OAL	OAW	LF	RADH	WF	Trennstelle W Interface W	Trennstelle M Interface M
960.N.I.845.0001.IK	98	31,65	60,4	43,25	42,5	49	14,45	84500093	FN25

Hinweis:
Nur der Grunhalter 960.BMT45.N0.0001
Note:
Only the basic toolholder 960.BMT45.N0.0001

M1



Artikelnummer Part number	OAH	DCONMS	OAW	LF	RADH	RADW	Trennstelle W Interface W	Trennstelle M Interface M
960.VDI30.B0.00101	65	30	70	26	35	35	SZ40	ZYV03000115
960.VDI40.B0.00101	75	40	74	29	40	37	SZ40	ZYV04000115
960.VDI50.B0.00101	90	50	100	29	45	50	SZ60	ZYV05000115

Grundhalter 960.VDI30...und 960.VDI40... für Stechhaltestück 960.Q.0.845.0000.IK (SZ40)

Grundhalter 960.VDI50... für Stechhaltestück 960.Q.0.845.0001.IK (SZ60)

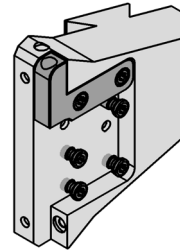
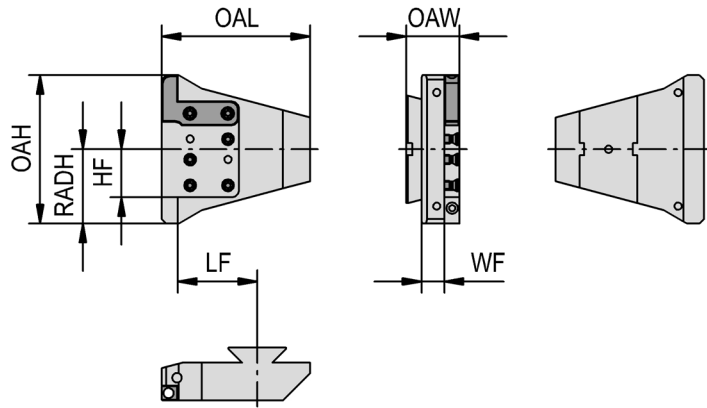
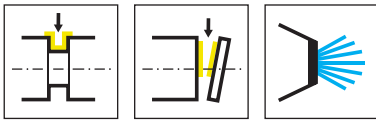
Basic toolholder 960.VDI30... and 960.VDI40... for grooving toolholder 960.Q.0.845.0000.IK (SZ40)

Basic toolholder 960.VDI50... for grooving toolholder 960.Q.0.845.0001.IK (SZ60)

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Exzenterbolzen Eccentric bolt
960...	020.1208.4783



Artikelnummer Part number	OAH	HF	OAL	OAW	LF	RADH	WF	Trennstelle W Interface W	Trennstelle M Interface M
960.Q.0.845.0000.IK	98	31,65	98	35	52,5	49	15,2	84500093	SZ40
960.Q.0.845.0001.IK	98	31,65	90	35	35,5	49	15,2	84500093	SZ60

Grundhalter 960.VDI30...und 960.VDI40... für Stechhaltestück 960.Q.0.845.0000.IK (SZ40)

Grundhalter 960.VDI50... für Stechhaltestück 960.Q.0.845.0001.IK (SZ60)

Basic toolholder 960.VDI30... and 960.VDI40... for grooving toolholder 960.Q.0.845.0000.IK (SZ40)

Basic toolholder 960.VDI50... for grooving toolholder 960.Q.0.845.0001.IK (SZ60)

Ersatzteile

Spare Parts

Stechhaltestück Grooving toolholder	Abdeckleiste Cover strip	Spannschraube Clamping Screw
960.Q.0.845.0000.IK	020.5033.4782	6.18T20P

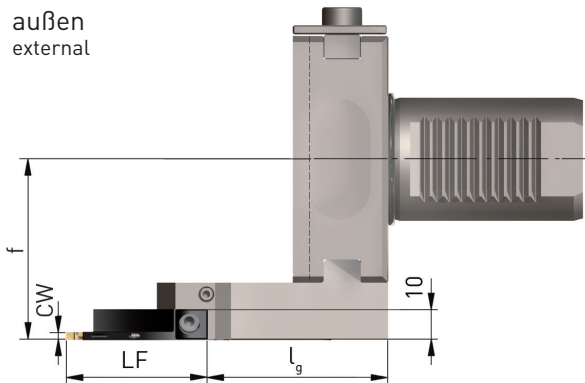
Ermittlung der Referenzlänge

Determining the reference length

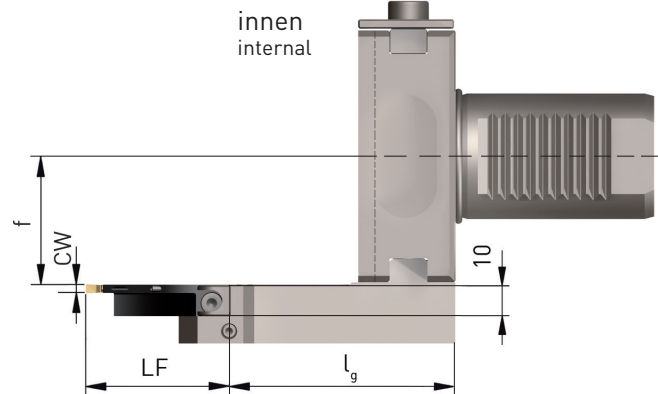


M1

außen
external



innen
internal



$$\begin{aligned} & \text{LF (Kassettenmaß)} + l_g \text{ (LF Stechhaltestück + LF Grundhalter)} \\ & \text{LF (Length of cassette)} + l_g \text{ (LF Grooving toolholder + LF Basic toolholder)} \end{aligned}$$

Grundlegende Hinweise

Bitte max. Schwenkreis-Ø des Maschinenherstellers beachten.
Umlauf-Ø von Spannfutter zum Abstechhalter prüfen.

Basic Recommendations

Please note the max. swing circle Ø of the machine manufacturers.
Check rotation Ø of the chuck to the toolholder.

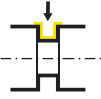
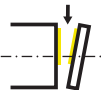
Berechnung siehe "Ermittlung der Werkzeugdaten" am Kapitelanfang
For calculation please see „Determining data tool“ at the beginning of the chapter



M2

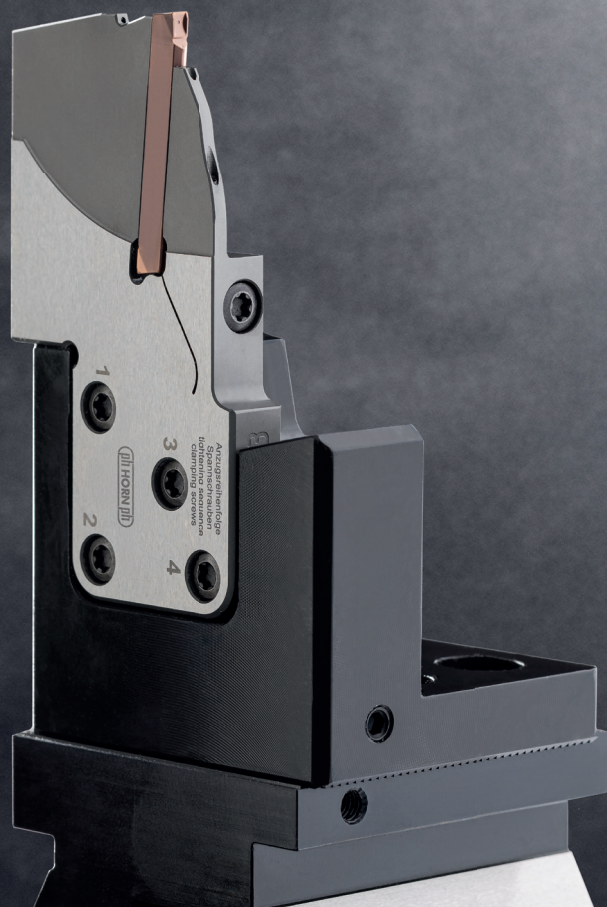
Kapitel Chapter	M					
	M2					
Grundhalter Basic toolholder	990		991		940	
Stechhaltestück Grooving toolholder		990.IK		991.IK		940..IK

Aufnahme / Adapter

NK842				•		•
NK845		•				
NK220						
Schwert, 26 mm Höhe Blade, 26 mm hight						
Schwert 32mm Höhe Blade, 32 mm hight						
						
						
	•	•	•	•	•	•

INDEX/ TRAUB

M2



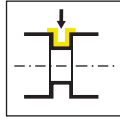
**Grundhalter System 940, 990,
991 und Stechhaltestücke**

**Basic Toolholder System 940,
990, 991 and Grooving Toolhol-
ders**

Inhaltsangabe

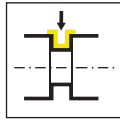
Summary

Grundhalter
Basic toolholder
990/991/940



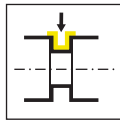
Seite/Page
809, 812, 816-817

990

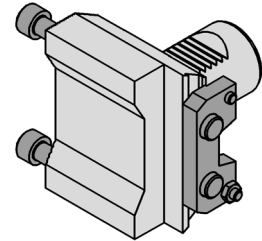
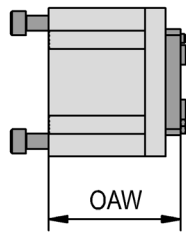
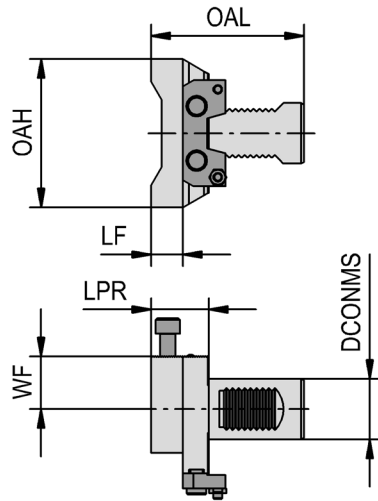


Seite/Page
810

Stechhaltestück
Grooving toolholder
991/940



Seite/Page
813, 818



M2

Artikelnummer Part number	OAH	DCONMS	OAL	OAW	LF	LPR	WF	Trennstelle W Interface W	Trennstelle M Interface M
10092252	98	40	101	91,35	27	38	34,85	Index/Traub	ZYV04000115
10176353	98	40	101	87,35	27	38	34,85	Index/Traub	ZYV04000115
10197297	98	30	93	80,85	27	38	31,85	Index/Traub	ZYV03000115
10774339	98	30	93	66,85	27,6	38	31,85	Index/Traub	ZYV03000115
10846334	98	40	101	77,35	27	38	34,85	Index/Traub	ZYV04000115
10865562	98	30	93	76,85	27	38	31,85	Index/Traub	ZYV03000115

für Stechhaltestücke R990.X845... und L990.X845...
for grooving toolholder R990.X845... and L990.X845...

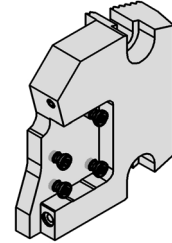
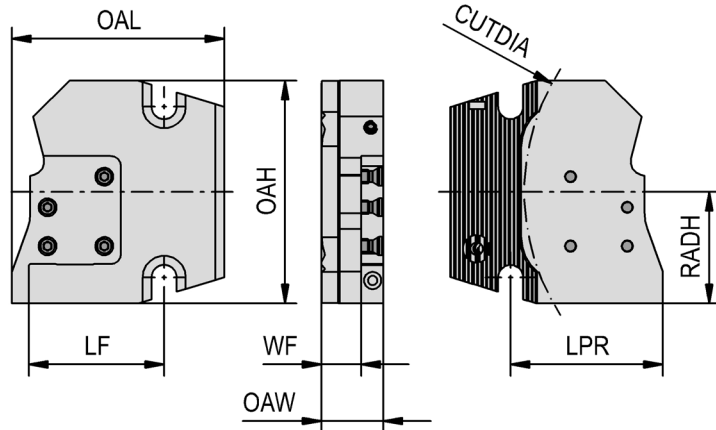
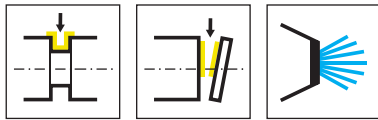


Abbildung = R...R
Picture = R...R

L...L = spiegelbildlich
L...L = left hand version

Artikelnummer Part number	OAH	OAL	OAW	LF	RADH	CUTDIA	LPR	WF	Trennstelle W Interface W	Trennstelle M Interface M
R990.X845.8698.L.IK	98	93,5	26	59,5	49	200	67	15	84500093	Index Traub
R990.X845.8698.R.IK	98	93,5	27,3	59,5	49	200	67	17,5	84500093	Index Traub
L990.X845.8698.L.IK	98	93,5	27,3	59,5	49	200	67	17,5	84500093	Index Traub
L990.X845.8698.R.IK	98	93,5	26	59,5	49	200	67	15	84500093	Index Traub

Stechhaltestücke sind jeweils für rechte und linke Kassetten verwendbar.
Grooving toolholder can be used with right and left hand cassettes.

Empfehlung:

Stechhaltestücke ...L.IK für linke Kassetten und Stechhaltestücke ...R.IK für rechte Kassetten verwenden.

Recommendation:

Use grooving toolholder ...L.IK for left hand cassettes and grooving toolholder ...R.IK for right hand cassettes.

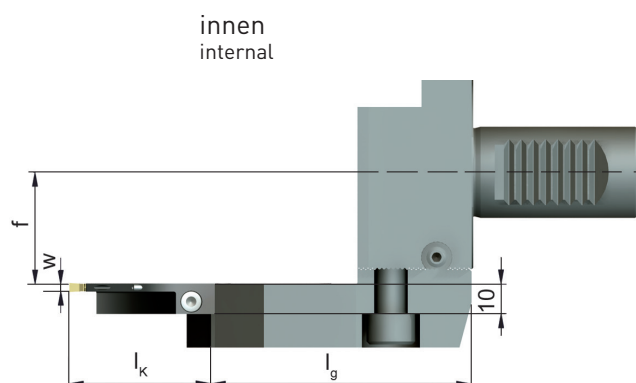
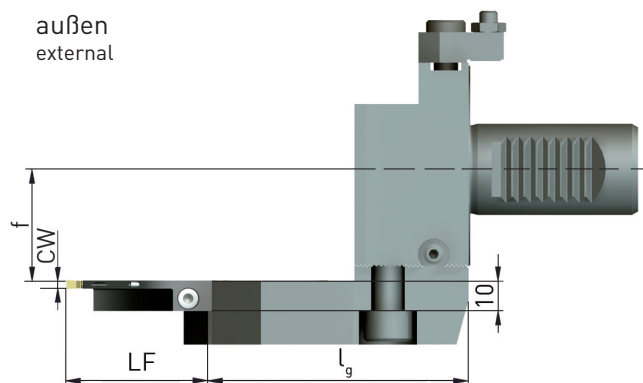
Ersatzteile

Spare Parts

Stechhaltestück Grooving toolholder	Kugelspritzdüse Coolant spray nozzle	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L990.X845...	020.0806.3116	6.18T20P	T20PQ

Ermittlung der Referenzlänge

Determining the reference length



M2

LF (Kassettenmaß) + l_g (LF Stechhaltestück + LF Grundhalter)
 LF (Length of cassette) + l_g (LF Grooving toolholder + LF Basic toolholder)

Abbildung VDI
 Picture VDI

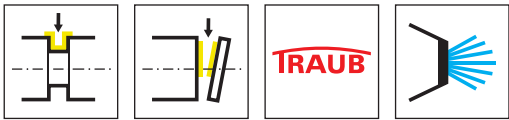
Grundlegende Hinweise

Bitte max. Schwenkkreis-Ø des Maschinenherstellers beachten.
 Umlauf-Ø von Spannfutter zum Abstechhalter prüfen.

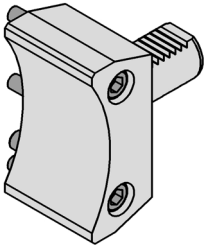
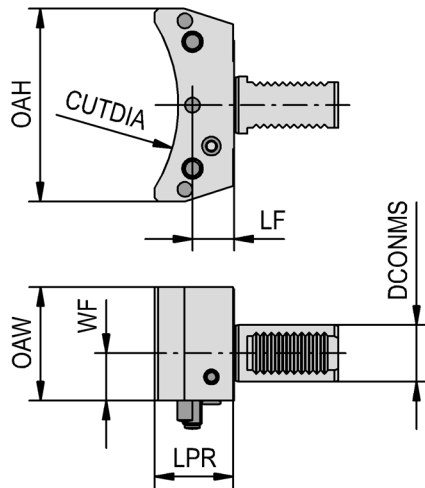
Basic Recommendations

Please note the max. swing circle Ø of the machine manufacturers.
 Check rotation Ø of the chuck to the toolholder.

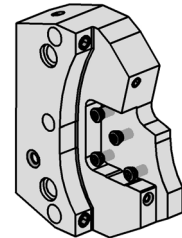
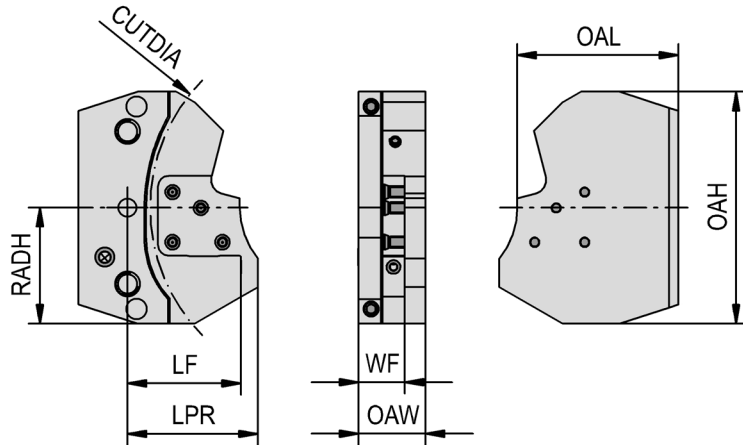
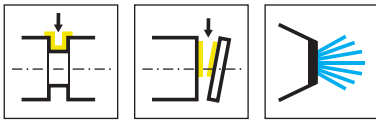
Grundhalter Basic toolholder	Stechhaltestück Grooving toolholder		Stechhaltestück Grooving toolholder	
	L990.X845...L.IK / R990.X845...R.IK		L990.X845...R.IK / R990.X845...L.IK	
	f	lg	f	lg
10092252	59,55	86,5	36,65	86,5
10176353	59,55	86,5	36,65	86,5
10197297	59,55	87,1	36,65	87,1
10774339	62,55	86,5	39,65	86,5
10846334	62,55	86,5	39,65	86,5
10865562	62,55	86,5	39,65	86,5



M2



Artikelnummer Part number	OAH	DCONMS	OAW	LF	CUTDIA	LPR	WF	Trennstelle W Interface W	Trennstelle M Interface M
10965470	102	30	60	22	165	41,5	25	FN12	ZYV03000115



M2

Abbildung = R...R
Picture = R...R

L...L = spiegelbildlich
L...L = left hand version

Artikelnummer Part number	OAH	OAL	OAW	LF	RADH	CUTDIA	LPR	WF	Trennstelle W Interface W	Trennstelle M Interface M
R991.X842.73102.L.IK	102	79	29,5	50	51	160	57,5	20,3	84200083	Index Traub
R991.X842.73102.R.IK	102	79	29,8	50	51	160	57,5	20	84200083	Index Traub
L991.X842.73102.L.IK	102	79	29,8	50	51	160	57,5	20	84200083	Index Traub
L991.X842.73102.R.IK	102	79	29,5	50	51	160	57,5	20,3	84200083	Index Traub

Stechhaltestücke sind jeweils für rechte und linke Kassetten verwendbar.
Grooving toolholder can be used with right and left hand cassettes.

Empfehlung:

Stechhaltestücke ...L.IK für linke Kassetten und Stechhaltestücke ...R.IK für rechte Kassetten verwenden.

Recommendation:

Use grooving toolholder ...L.IK for left hand cassettes and grooving toolholder ...R.IK for right hand cassettes.

Ersatzteile

Spare Parts

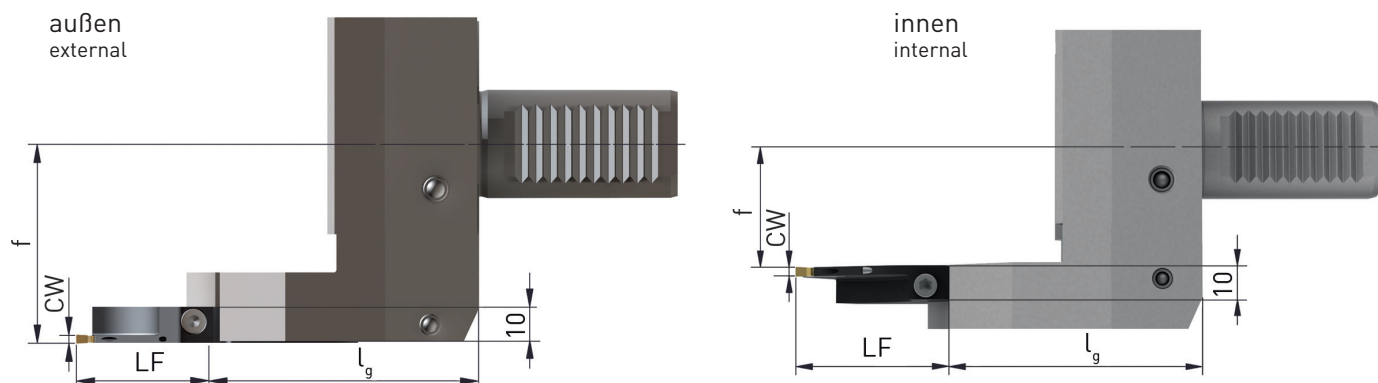
Stechhaltestück Grooving toolholder	Kugelspritzdüse Coolant spray nozzle	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L991...	020.0806.3116	5.18T20P	T20PQ

Ermittlung der Referenzlänge

Determining the reference length



M2



LF (Kassettenmaß) + l_g (LF Stechhaltestück + LF Grundhalter)
 LF (Length of cassette) + l_g (LF Grooving toolholder + LF Basic toolholder)

Abbildung VDI
 Picture VDI

Grundlegende Hinweise

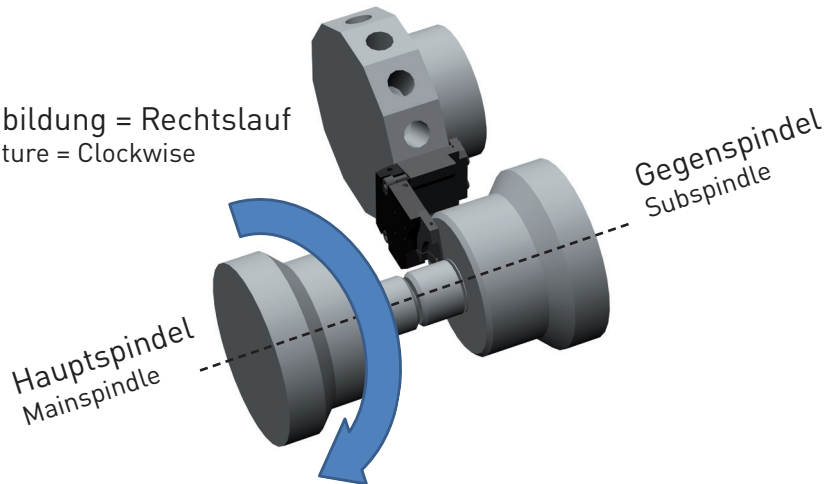
Bitte max. Schwenkreis-Ø des Maschinenherstellers beachten.
 Umlauf-Ø von Spannfutter zum Abstechhalter prüfen.

Basic Recommendations

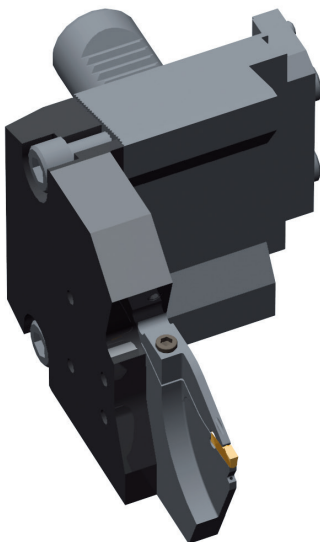
Please note the max. swing circle Ø of the machine manufacturers.
 Check rotaion Ø of the chuck to the toolholder.

Grundhalter Basic toolholder	Stechhaltestück Grooving toolholder		Stechhaltestück Grooving toolholder	
	L991.X842...L.IK / R991.X842...R.IK		L991.X842...R.IK / R991.X842...L.IK	
	f	lg	f	lg
10965470	55,2	72	35,1	72

Abbildung = Rechtslauf
Picture = Clockwise



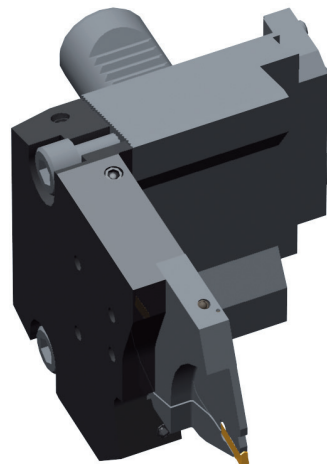
Abstechen an der Gegenspindel im
Linkslauf
Parting off on the subspindle in
anti-clockwise rotation



Stechhaltestück
Grooving toolholder
L990.X845...R.IK

Kassette
Cassette
RNK100.0845...

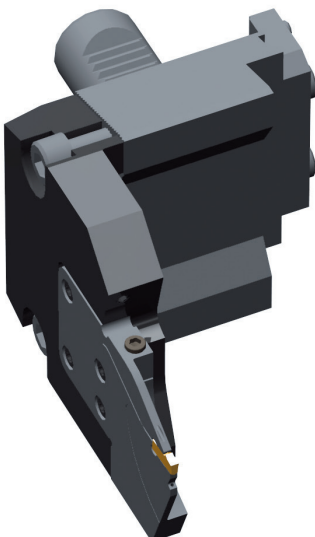
Abstechen an der Gegenspindel im
Rechtslauf - Überkopf
Parting off on the subspindle in
clockwise rotation - overhead position



Stechhaltestück
Grooving toolholder
R990.X845...L.IK

Kassette
Cassette
LNK100.0845...

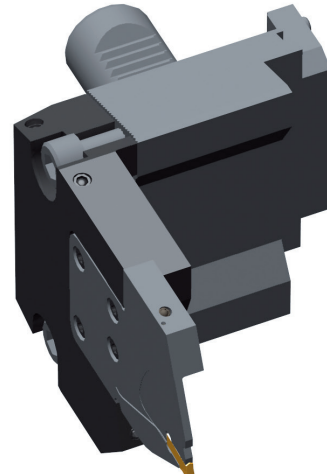
Abstechen an der Hauptspindel im
Linkslauf
Parting off on the mainspindle in
anti-clockwise rotation



Stechhaltestück
Grooving toolholder
L990.X845...L.IK

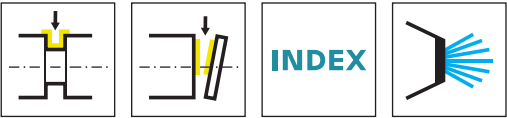
Kassette
Cassette
LNK100.0845...

Abstechen an der Hauptspindel im
Rechtslauf - Überkopf
Parting off on the mainspindle in
clockwise rotation - overhead position

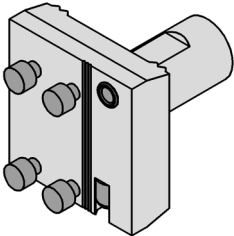
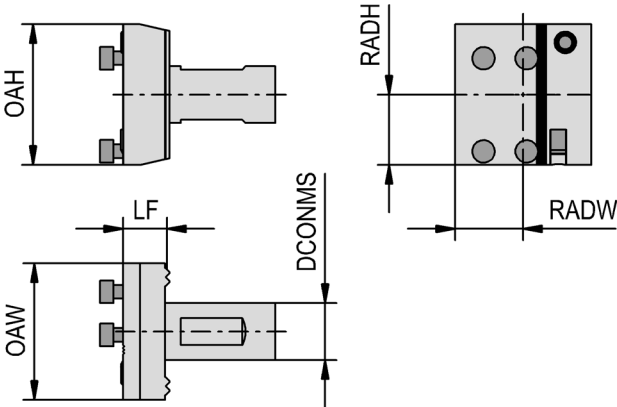


Stechhaltestück
Grooving toolholder
R990.X845...R.IK

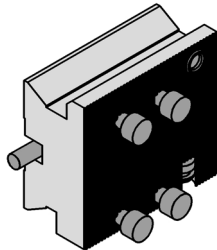
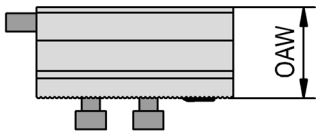
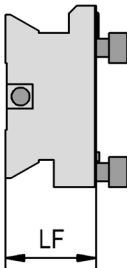
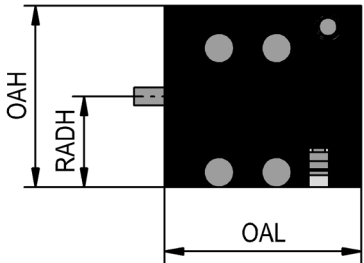
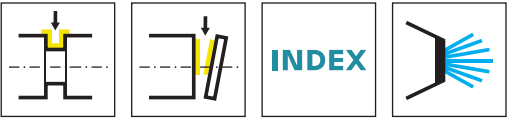
Kassette
Cassette
RNK100.0845...



M2



Artikelnummer Part number	LF	OAH	OAW	DCONMS	RADH	RADW	WF	Trennstelle W Interface W	Trennstelle M Interface M
12088126	19	62	60	25	31	30	15,5	Index Traub	ZYV02500115



M2

Artikelnummer Part number	LF	OAH	OAW	RADH	RADW	Trennstelle W Interface W	Trennstelle M Interface M
10505538	29,5	60	65	30	28	Index Traub	Index Traub

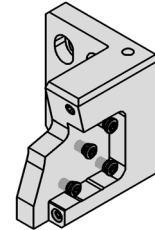
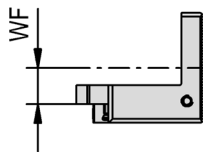
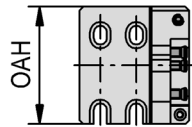
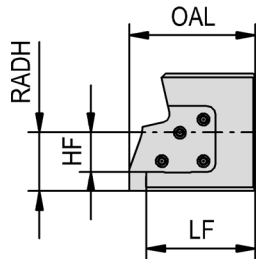
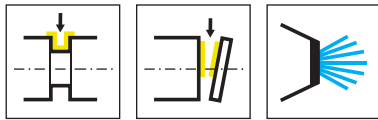


Abbildung = R...R
Picture = R...R

L...L = spiegelbildlich
L...L = left hand version

Artikelnummer Part number	OAH	HF	OAL	LF	RADH	WF	Trennstelle W Interface W	Trennstelle M Interface M
R940.X842.5862.L.IK	62	21	66,5	57,5	31	19	84200093	Index Traub
R940.X842.5862.R.IK	62	21	66,5	57,5	31	19,2	84200093	Index Traub
R940.X842.6562.L.IK	62	21	66,5	57,3	31	22,5	84200093	Index Traub
R940.X842.6562.R.IK	62	21	66,5	57,3	31	22,7	84200093	Index Traub
L940.X842.5862.L.IK	62	21	66,5	57,5	31	19,2	84200093	Index Traub
L940.X842.5862.R.IK	62	21	66,5	57,5	31	18,8	84200093	Index Traub

Stechhaltestücke sind jeweils für rechte und linke Kassetten verwendbar.
Grooving toolholder can be used with right and left hand cassettes.

Empfehlung:

Stechhaltestücke ...L.IK für linke Kassetten und Stechhaltestücke ...R.IK für rechte Kassetten verwenden.

Recommendation:

Use grooving toolholder ...L.IK for left hand cassettes and grooving toolholder ...R.IK for right hand cassettes.

Ersatzteile

Spare Parts

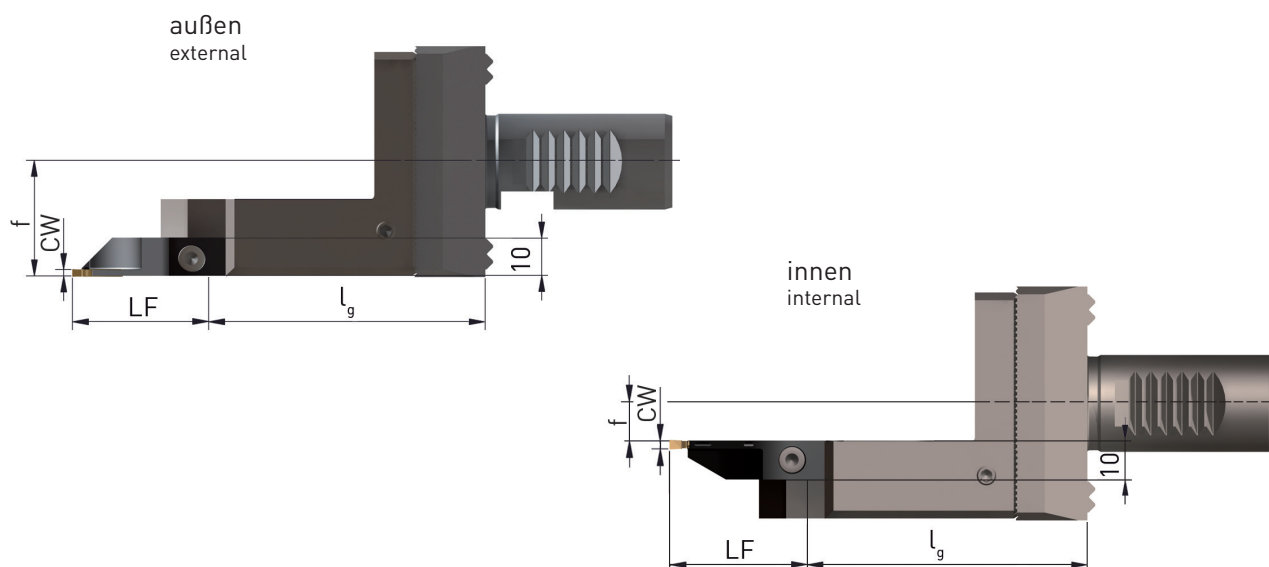
Stechhaltestück Grooving toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/L940...	5.18T20P	T20PQ

Ermittlung der Referenzlänge

Determining the reference length



M2



$$LF \text{ (Kassettenmaß)} + l_g \text{ (LF Stechhaltestück + LF Grundhalter)}$$

$$LF \text{ (Length of cassette)} + l_g \text{ (LF Grooving toolholder + LF Basic toolholder)}$$

Grundlegende Hinweise

Bitte max. Schwenkkreis-Ø des Maschinenherstellers beachten.
Umlauf-Ø von Spannfutter zum Abstechhalter prüfen.

Basic Recommendations

Please note the max. swing circle Ø of the machine manufacturers.
Check rotaion Ø of the chuck to the toolholder.

Grundhalter Basic toolholder	Stechhaltestück Grooving toolholder		Stechhaltestück Grooving toolholder	
	L940.X842...L.IK / R940.X842...R.IK		L940.X842...R.IK / R940.X842...L.IK	
	f	lg	f	lg
12088126	19,7	76,5	9,1	76,4

M2



Schnittstelle 842/845

Interface 842/845

N

MODULARE HALTERSYSTEME

MODULAR HOLDER SYSTEMS

	Seite/Page
Grundhalter mit PSC-, HSKT-, VDI-Aufnahme und TRAUB Typ TR	822
Basic Toolholder with adapter PSC, HSKT, VDI and TRAUB type TR	
Grundhalter mit Vierkantschaft	834
Basic Toolholder with square shank	

Kapitel Chapter	N				
	N1				N2
Maschinenaufnahme Adapter machine side	PSC	HSKT	VDI	TR	Vierkantschaft Square shank
Type/type	C3	40	30	Ø 45	16x16
	C5	63	40		20x20
	C6	100			25x25
	C8				

Schnittstelle / Interface

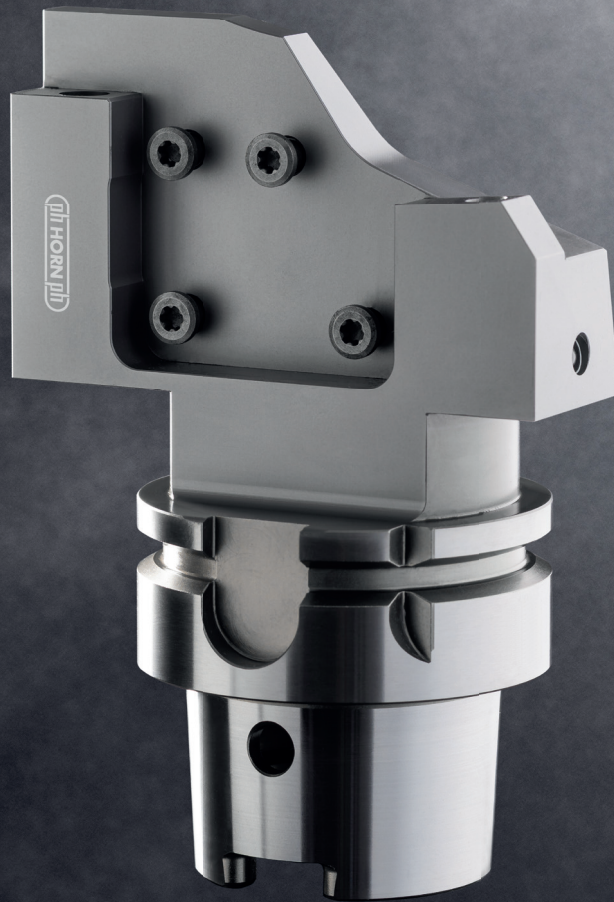
842	•	•	•	•	•
845	•	•	•		•

	•	•	•	•	•
	•	•	•	•	•
	•	•	•	•	•
	•	•	•	•	•
	•	•	•	•	•

N1

842/845

N1



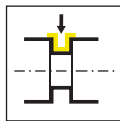
**Grundhalter mit PSC-, HSKT-,
VDI-Aufnahme und TRAUB Typ
TR**

**Basic Toolholder with adaptor
PSC, HSKT, VDI, and TRAUB
Typ TR**

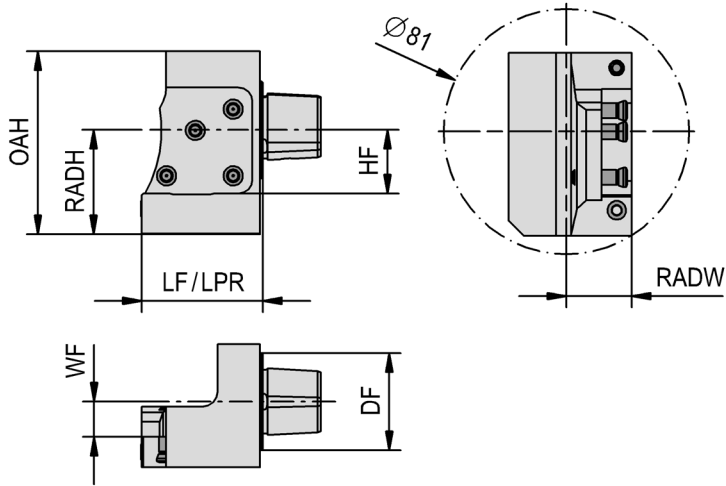
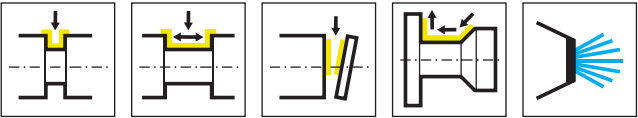
Inhaltsangabe

Summary

Grundhalter
Basic toolholder
C3/C5/C6/C8
HSKT40/HSKT63/
HSKT100/960.VDI/842.
VDI/845.VDI/842.TR



Seite/Page
825-832



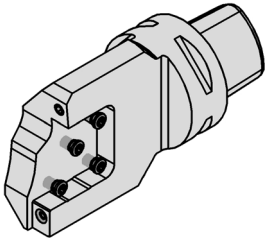
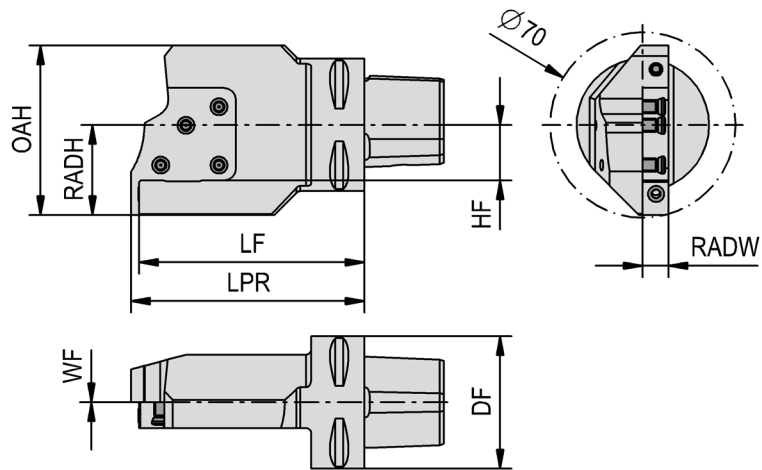
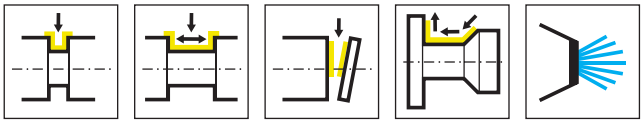
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number									Trennstelle W Interface W
	DF	HF	LF	LPR	OAH	RADH	RADW	WF	
C3.L842.A.01.K1	32	21	40	40	60,5	34,5	21,6	11,6	84200093
C3.R842.A.01.K1	32	21	40	40	60,5	34,5	21,6	11,6	84200093

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
C3...	5.18T20P	T20PQ



N1

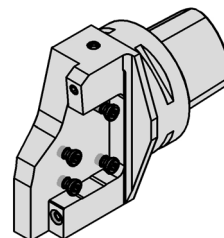
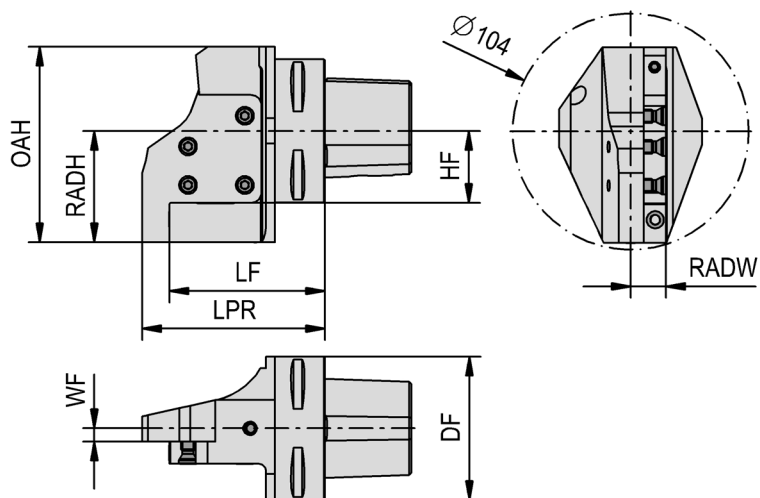
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	OAH	RADH	RADW	WF	Trennstelle W Interface W
C5.R842.01.K1	50	21	85	88	64	34	9,7	0	84200093

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
C5.R842.01.K1	5.18T20P	T20PQ



N1

R = rechts wie gezeichnet
R = right hand version shown

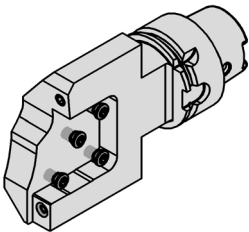
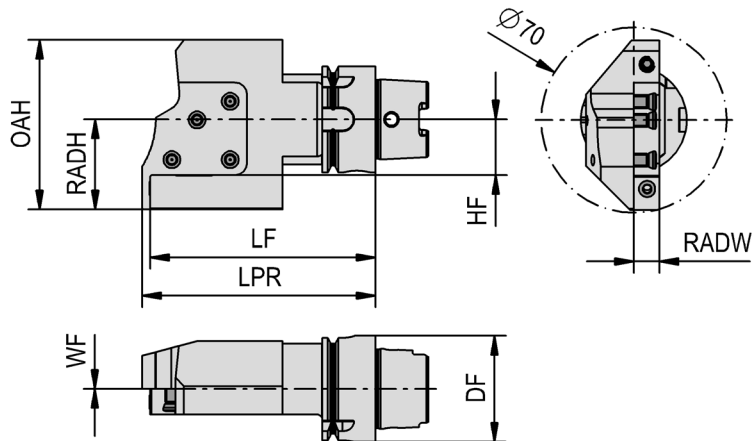
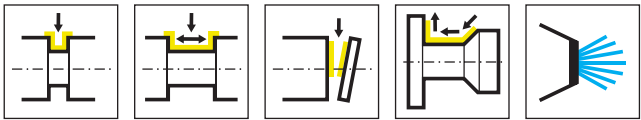
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	OAH	RADH	RADW	WF	Trennstelle W Interface W
C6.L845.01.K1	63	31,65	68,5	80,5	86	49	15,6	5,8	84500093
C6.R845.01.K1	63	31,65	68,5	80,5	86	49	15,6	5,8	84500093
C8.L845.01.K1	80	31,65	77,5	89,5	89	49	15,6	5,8	84500093
C8.R845.01.K1	80	31,65	77,5	89,5	89	49	15,6	5,8	84500093

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
C6...	6.18T20P	T20PQ



N1

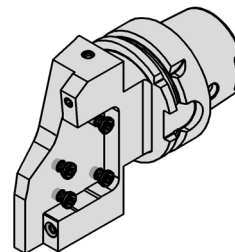
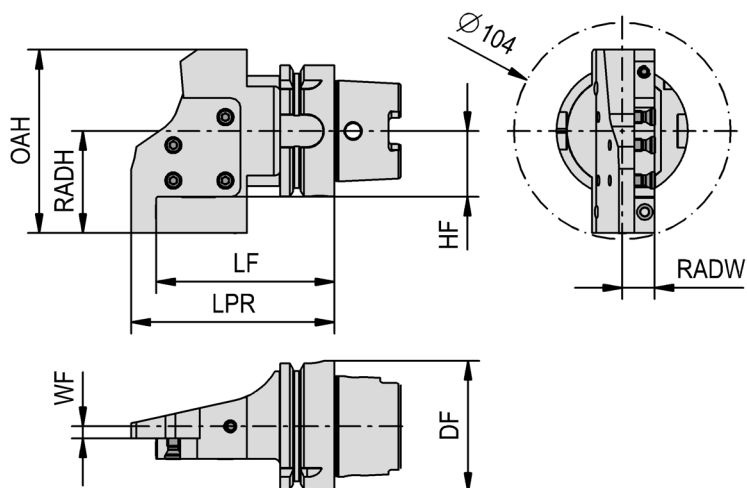
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DF	HF	LF	LPR	OAH	RADH	RADW	WF	Trennstelle W Interface W
HSKT40.L842.01.K1	40	21	85	88	64	34	9,7	0	84200093
HSKT40.R842.01.K1	40	21	85	88	64	34	9,7	0	84200093

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT40...	5.18T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

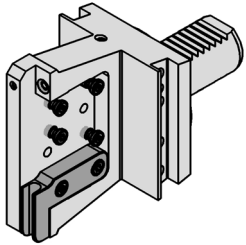
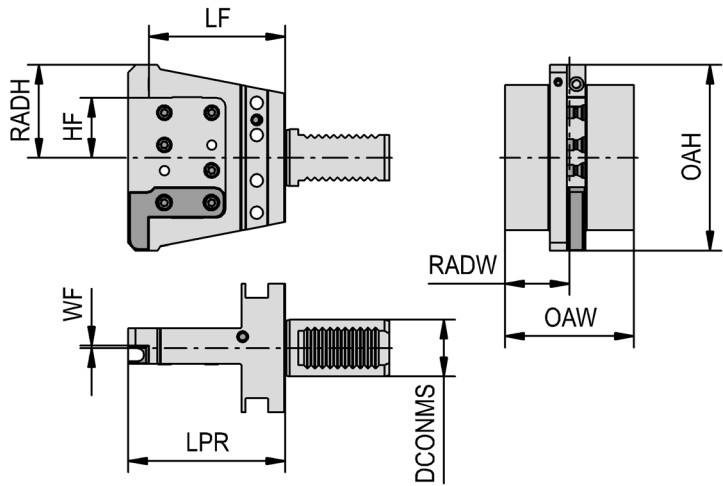
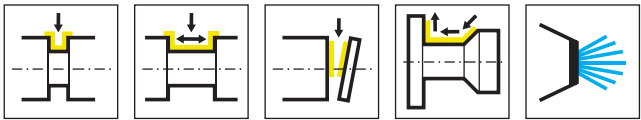
N1

Artikelnummer Part number	DF	HF	LF	LPR	OAH	RADH	RADW	WF	Trennstelle W Interface W
HSKT63.L845.01.K1	63	31,65	85,5	97,5	88	49	15,6	5,8	84500093
HSKT63.R845.01.K1	63	31,65	85,5	97,5	88	49	15,6	5,8	84500093
HSKT100.L845.01.K1	100	31,65	88,5	100,5	99	49	15,6	5,8	84500093
HSKT100.R845.01.K1	100	31,65	88,5	100,5	99	49	15,6	5,8	84500093

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT63...	6.18T20P	T20PQ

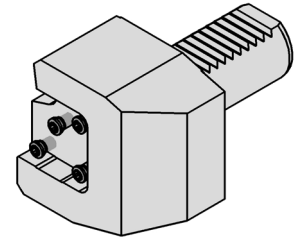
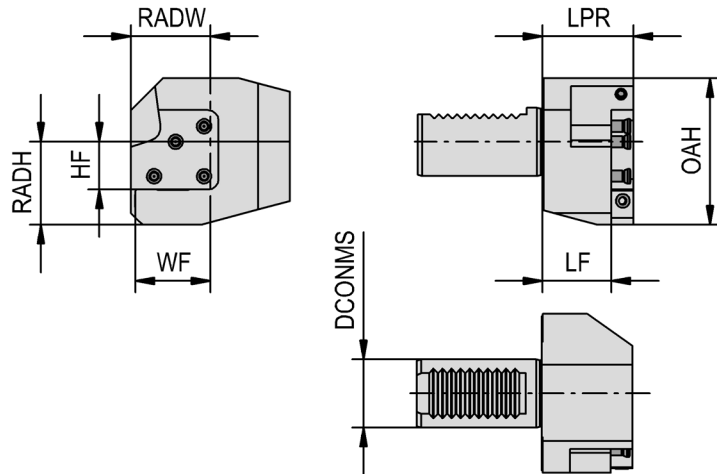
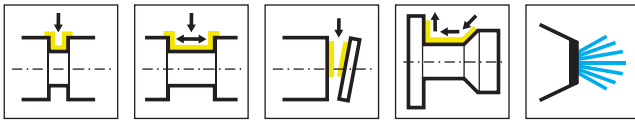


N1

Artikelnummer Part number	DCONMS	HF	LF	LPR	OAH	OAW	RADH	RADW	WF	Trennstelle W Interface W
960.VDI25.MO.068.845.01	25	31,65	68	79	98	56	49	28	1,35	84500093
960.VDI30.MO.072.845.01	30	31,65	72	83	98	68	49	34	1,35	84500093
960.VDI40.MO.072.845.01	40	31,65	72	83	98	80	49	40	1,35	84500093

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
960...	6.18T20P	T20PQ



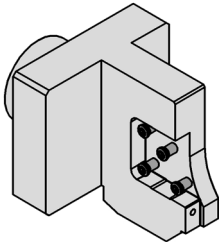
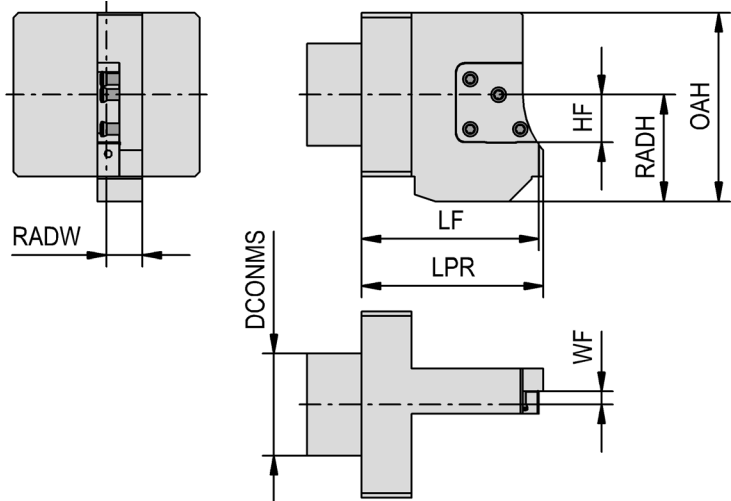
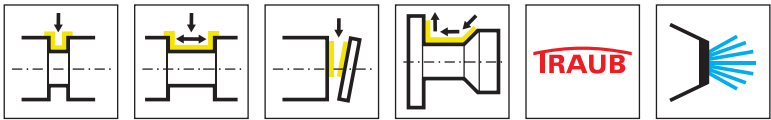
N1

Abbildung = VDI-Halter Typ B1
Picture = VDI Toolholder Type B1

Artikelnummer Part number	DCONMS	HF	LF	LPR	OAH	RADH	RADW	WF	Trennstelle W Interface W
842.VDI30.B1.00101	30	21	30,3	40	64,5	36,5	35	33	84200093
845.VDI40.B1.00101	40	31,65	34,3	44	80,5	48	42,5	34,5	84500093
845.VDI40.B2.00101	40	31,65	34,3	44	80,5	48	42,5	34,5	84500093

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
842.VDI30.B1.00101	5.18T20P	T20PQ
845.VDI40....	6.24T20P	T20PQ



N1

R = rechts wie gezeichnet
R = right hand version shown

Artikelnummer Part number	DCONMS	HF	LF	LPR	OAH	RADH	RADW	WF	Trennstelle W Interface W
842.TR0I.R.01.K1	45	21	78	80	83	47	15,8	5,8	84200093

Schnittstelle Traub
Interface Traub

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
842.TR0I.R.01.K1	5.18T20P	T20PQ



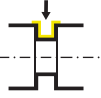
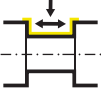
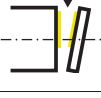
N1

Kapitel Chapter	N				
	N1				N2
Maschinenaufnahme Adapter machine side	PSC	HSKT	VDI	TR	Vierkantschaft Square shank
Type/type	C3	40	30	Ø 45	16x16
	C5	63	40		20x20
	C6	100			25x25
	C8				

Schnittstelle / Interface

842	•	•	•	•	•
845	•	•	•		•

N2

	•	•	•	•	•
	•	•	•	•	•
	•	•	•	•	•
	•	•	•	•	•
	•	•	•	•	•

842/845



N2

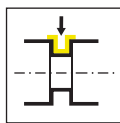
**Grundhalter mit
Vierkantschaft**

**Base toolholder
with square shank**

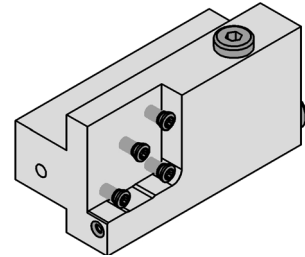
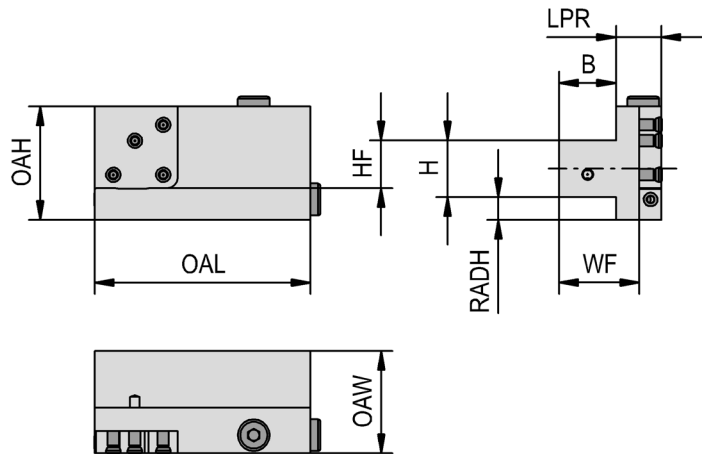
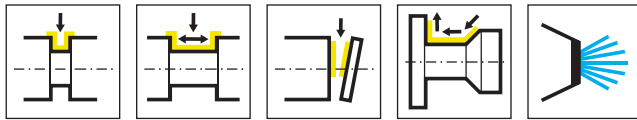
Inhaltsangabe

Summary

Grundhalter
Basic toolholder
842/845



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837-838



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

N2

Artikelnummer Part number	H	B	HF	LPR	OAL	OAH	OAW	RADH	WF	Trennstelle W Interface W
R842.1616.K1.IK	16	16	5	24	65	50	40	19	30,2	84200093
R842.2020.K1.IK	20	20	1	20	80	50	40	15	30,2	84200093
R842.2525.K1.IK	25	25	4	20	95	50	45	10	35,2	84200093
L842.1616.K1.IK	16	16	5	24	65	50	40	19	30,2	84200093
L842.2020.K1.IK	20	20	1	20	80	50	40	15	30,2	84200093
L842.2525.K1.IK	25	25	4	20	95	50	45	10	35,2	84200093

Hinweis:

Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".

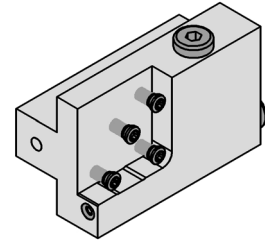
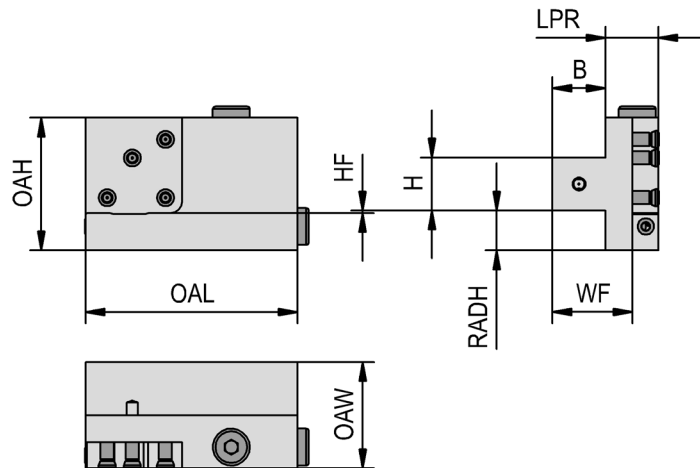
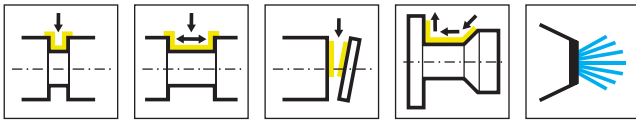
Note:

Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
R/L842...	5.18T20P	T20PQ	004.00.26



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

N2

Artikelnummer Part number	H	B	HF	LPR	OAL	OAH	OAW	RADH	WF	Trennstelle W Interface W
R845.2020.K1.IK	20	20	11,65	20	80	65	40	30	30,2	84500093
R845.2525.K1.IK	25	25	6,65	20	95	65	45	25	35,2	84500093
L845.2020.K1.IK	20	20	11,65	20	80	65	40	30	30,2	84500093
L845.2525.K1.IK	25	25	6,65	20	95	65	45	25	35,2	84500093

Hinweis:

Interner Kühlmittelanschluss durch den Grundhalter mittels Langloch und Verschraubung G1/8".

Note:

Internal coolant connection through the base holder using a slotted hole and G1/8" threaded fitting.

Ersatzteile

Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusssschraube Screw Plug
R/L845...	6.18T20P	T20PQ	004.00.26

Mehrspindler INDEX

INDEX Multi-spindle machine

MODULARE HALTERSYSTEME

MODULAR HOLDER SYSTEMS

0

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Grundhalter, einstellbare Halter und Kassetten **845**

Basic Toolholder, Adjustable holder and Cassettes

Lage der Werkzeuge Position of the tools

INDEX

INDEX MS24-6

Verfahrwege X-NC 1.1 - 6.2

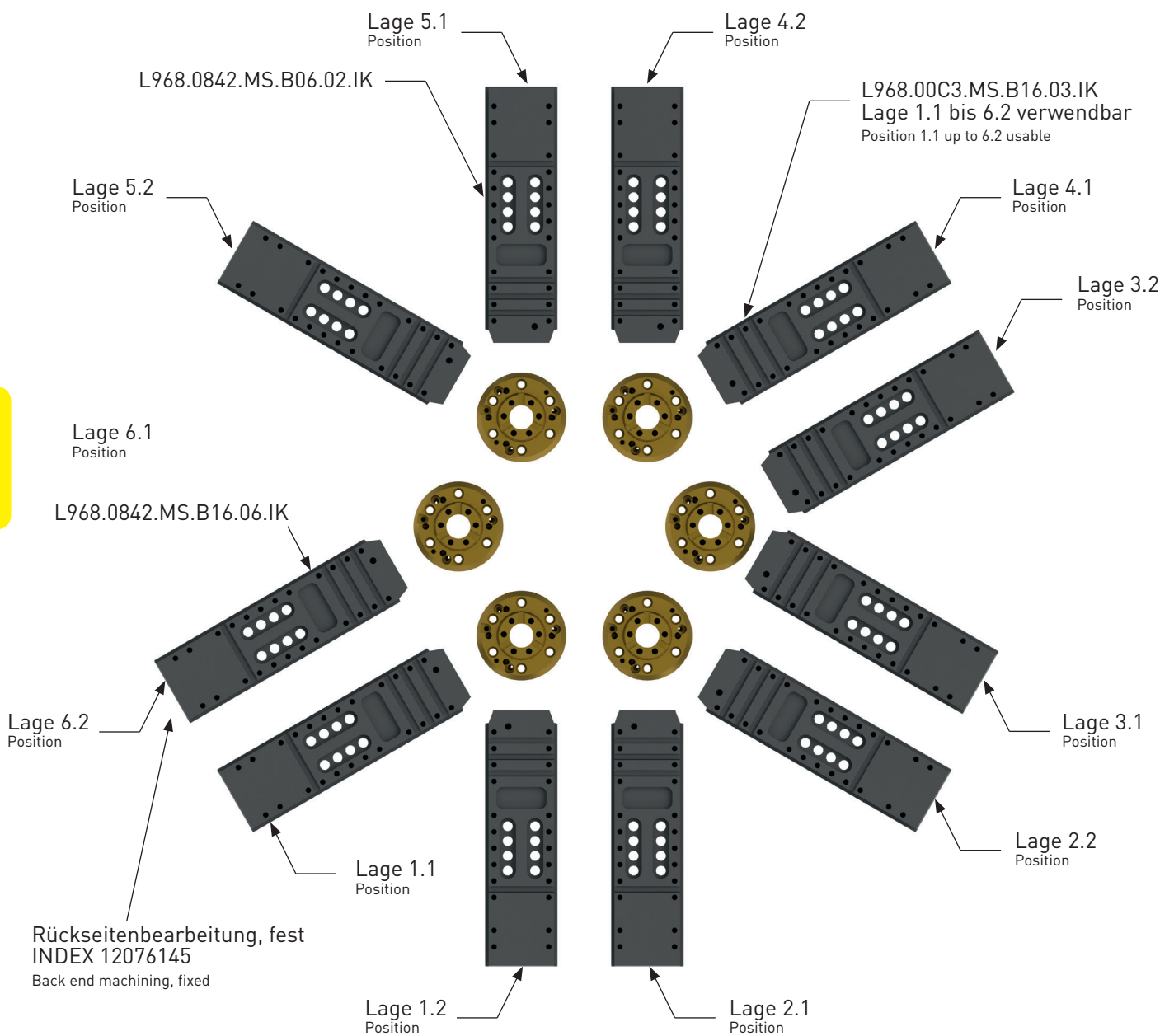
X-Weg = 62 mm

Z-Weg = 85 mm

Strokes X-NC 1.1 - 6.2

X-axis stroke = 62 mm

Z-axis stroke = 85 mm



INDEX

Lage der Werkzeuge Position of the tools

INDEX

INDEX MS24-8

Verfahrwege X-NC 7-NC 1.1 - 8.2

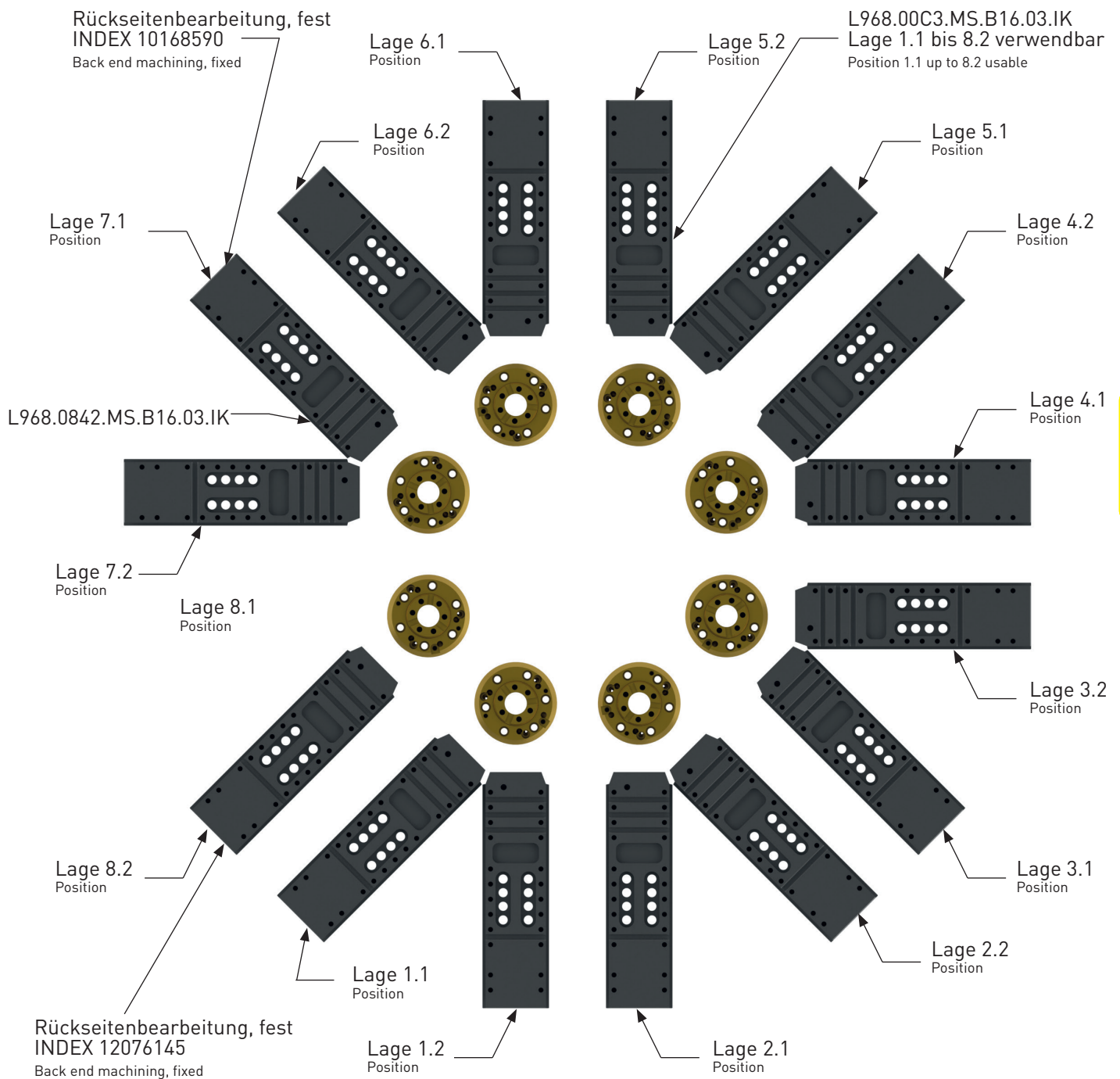
X-Weg = 62 mm

Z-Weg = 85 mm

Strokes X-NC 7-NC 1.1 - 8.2

X-axis stroke = 62 mm

Z-axis stroke = 85 mm



01

Übersicht der Grundhalter L968...

Overview of the basic toolholder L968...



INDEX

Mehrspindler
multi-spindle machine



MS52

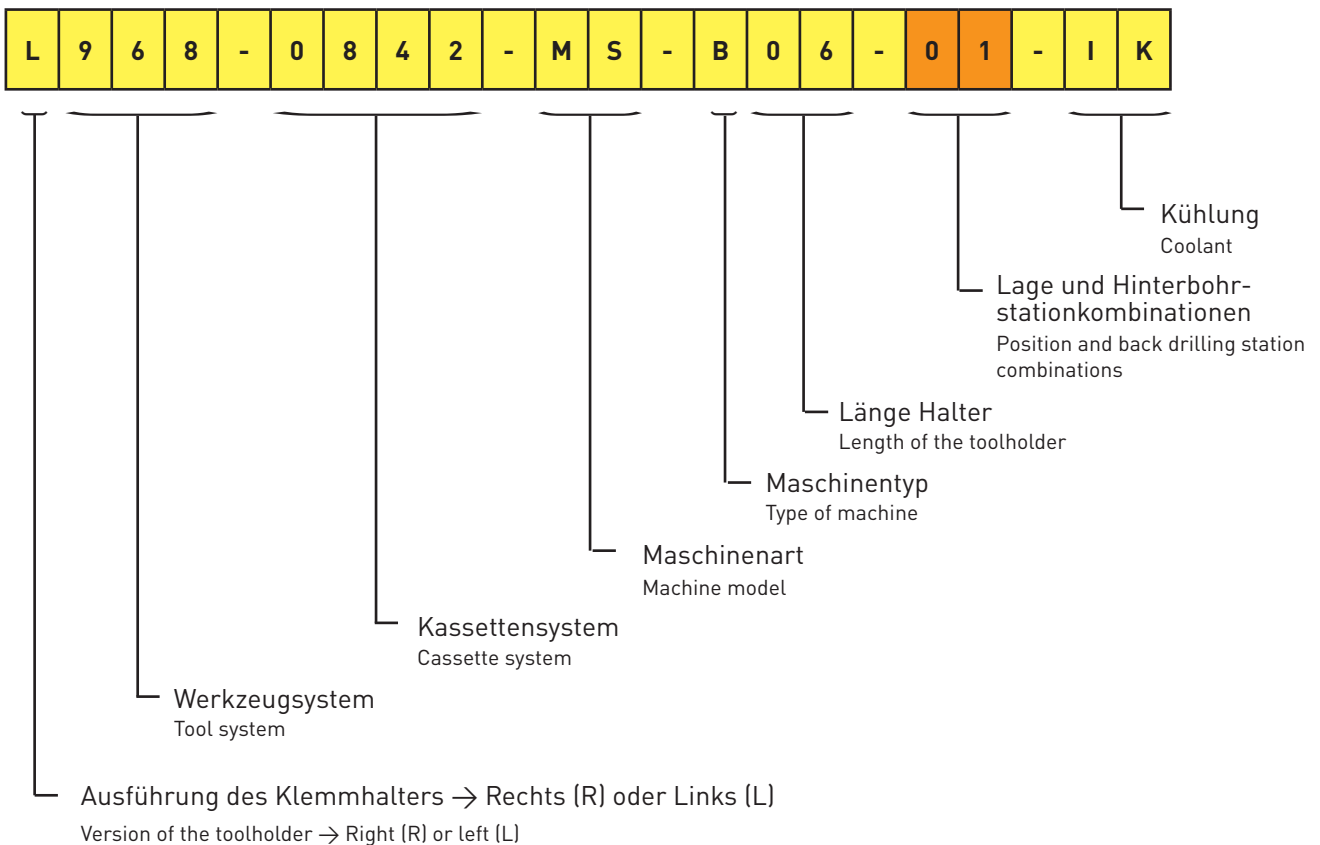


MS32 - MS40



MS16 - MS22

01



Lage und Hinterbohrstationkombinationen

Position and back drilling station combinations

0	1
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Aussparungsausführungen:

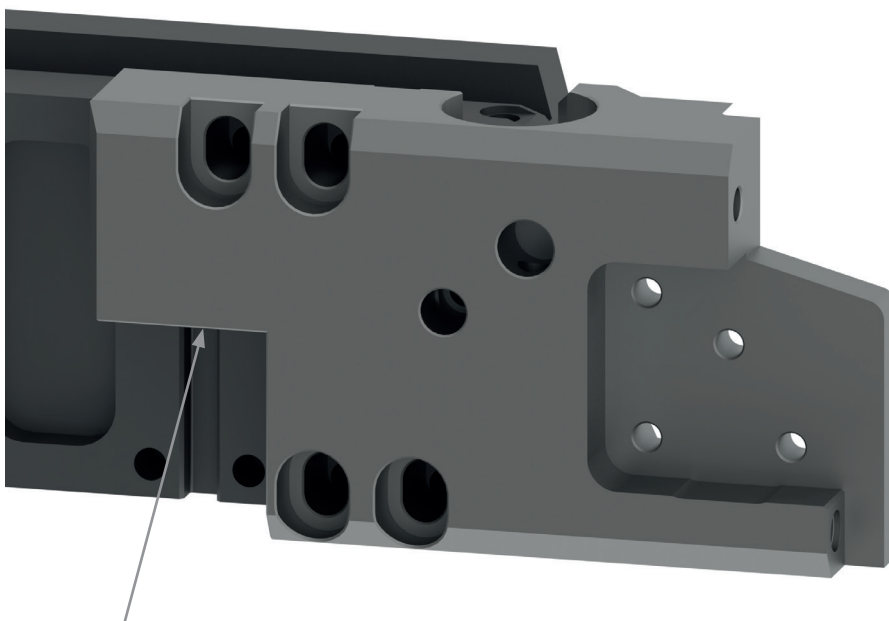
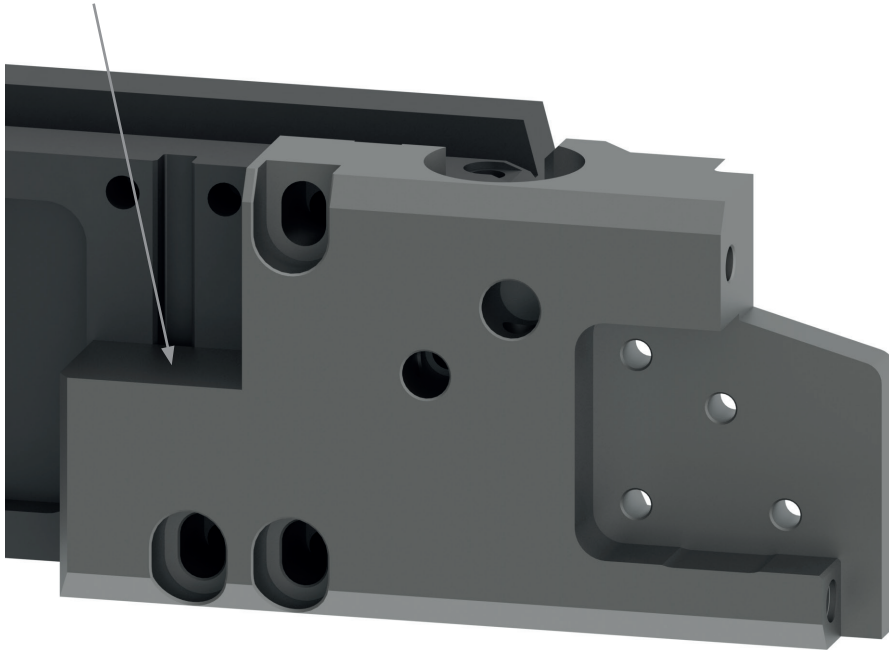
- 01 = Aussparung oben, Abstechen Lage 6.2 / 8.2
- 02 = Aussparungen unten, Abstechen Lage 5.1 / 7.1
- 03 = Nur Spannpratzen
- 04 = Aussparung oben + Aufnahme über Nutenstein (Lage 6.2 für angetriebene Einheit)
- 05 = Aussparung unten + Aufnahme über Nutenstein (noch keine Konstruktion)
- 06 = Aufnahme nur über Schrauben + Schwalbenschwanz
(MS24-6 Lage 6.2 mit angetriebener Hinterbohrstation)

Recess versions:

- 01 = Top recess, parting off position 6.2 / 8.2
- 02 = Bottom recesses, parting off position 5.1 / 7.1
- 03 = Clamping claws only
- 04 = Top recess + mounting via slot nut (position 6.2 for driven unit)
- 05 = Bottom recess + mounting via slot nut (no design yet)
- 06 = Mounting only via screws + dovetail
(MS24-6 position 6.2 with driven back drilling station)

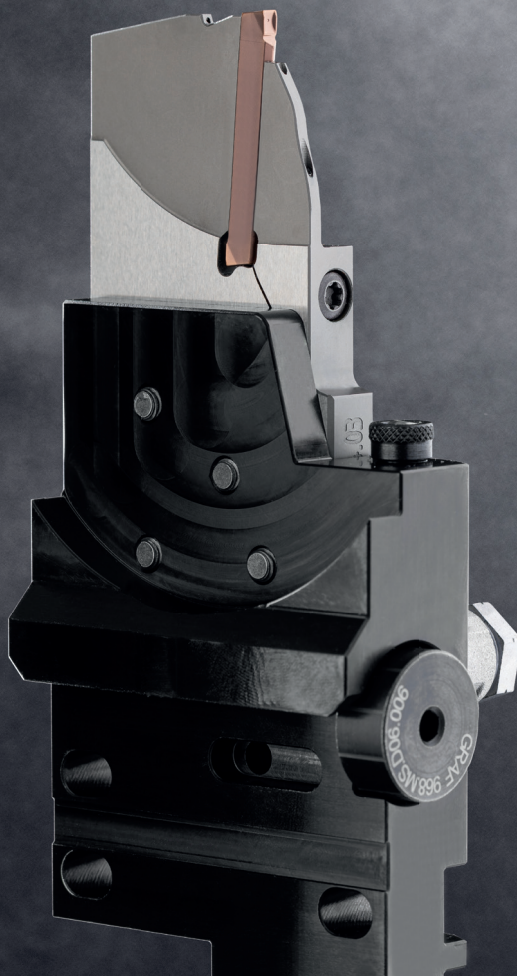
Aussparung oben
L968.0842.MS.B16.01.IK
für Lage 6.2 / 8.2

Top recess
L968.0842.MS.B16.01.IK
for position 6.2 / 8.2



Aussparung unten
L968.0842.MS.B16.02.IK
für Lage 5.1 / 6.1

Bottom recess
L968.0842.MS.B16.02.IK
for position 5.1 / 6.1



01

Grundhalter Typ 968, GF und BGT mit Kassetten

System 100
System 224
System 229
System 234
System ISO

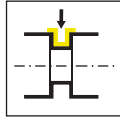
Base toolholder type 968, GF and BGT with cassettes

System 100
System 224
System 229
System 234
System ISO

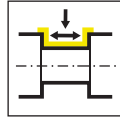
Inhaltsangabe

Summary

Grundhalter
Basic toolholder
968/G/BGT



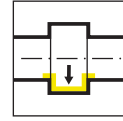
Seite/Page
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Seite/Page
10

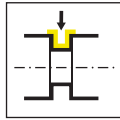


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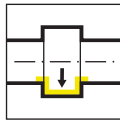
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Kassette
Cassette
RHV

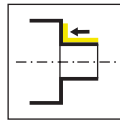


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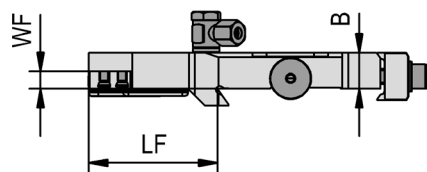
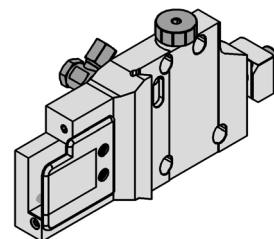
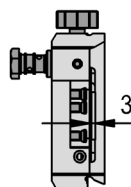
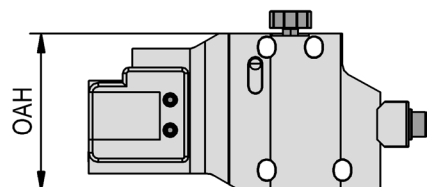
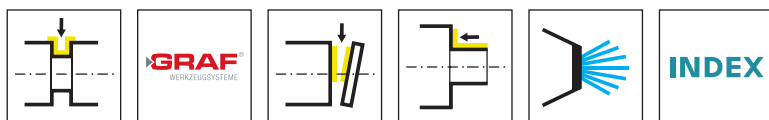
Einstellbare Halter
Adjustable holder
BKT/RKT



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R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Artikelnummer Part number	LF	OAH	OAW	OAL	LPR	WF	Trennstelle W Interface W
R968.0842.MS.A06.01.IK	28,5	70	27,5	40,5	28,5	9,35	84200093
R968.0842.MS.D16.01.IK	68	83	28	178,6	68	9,15	84200093
R968.0842.MS.E06.01.IK	95	80	35	216	95	9,15	84200093
L968.0842.MS.B06.01.IK	63	65	30	157	63	10,85	84200093
L968.0842.MS.B06.03.IK	57	65	30	151,6	57	10,85	84200093
L968.0842.MS.B16.01.IK	43	65	30	137	43	10,85	84200093
L968.0842.MS.B16.03.IK	43	65	30	135,6	43	10,85	84200093
L968.0842.MS.D16.01.IK	68	83	28	178,6	68	8,85	84200093
L968.0842.MS.E06.01.IK	95	80	35	216	95	10,85	84200093

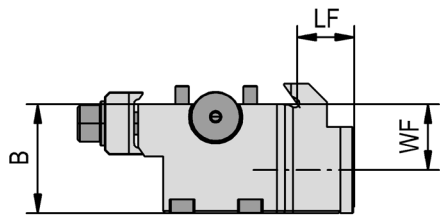
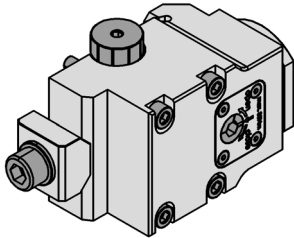
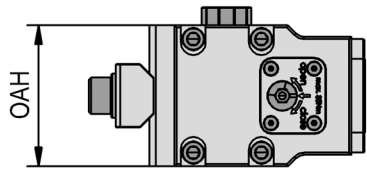
Die passenden Kassetten finden Sie im Kapitel E
For the available cassettes please see chapter E

Hinweis:

Inbus- und Sechskantschraube gehören zum Lieferumfang des Grundhalters.

Note:

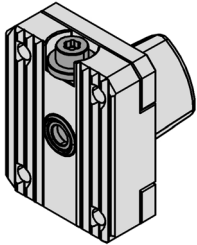
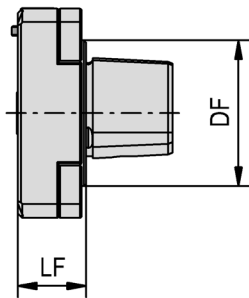
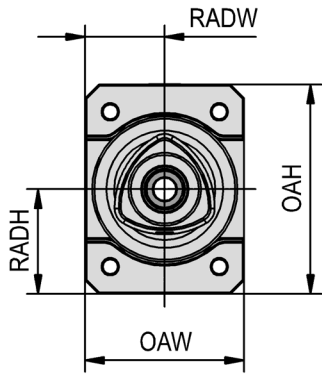
Allen screw and hexagon head screw are included with the basic holder.



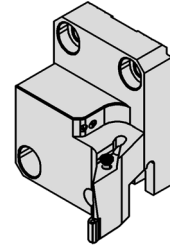
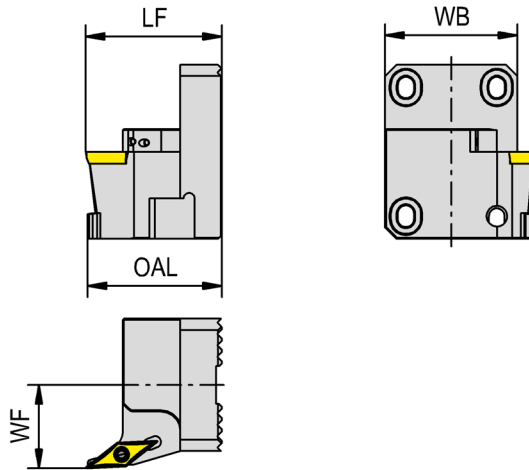
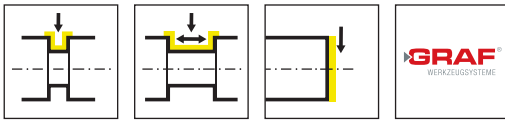
Artikelnummer Part number	LF	OAH	OAW	OAL	WF	Trennstelle M Interface M	Trennstelle W Interface W
L968.00C3.MS.B16.03.IK	25	62	57	121,7	30	INDEX MS18-MS22-MS24	CCS03200195

Hinweis:
Kann auf alle Lagen verbaut werden.

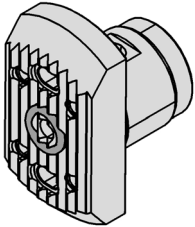
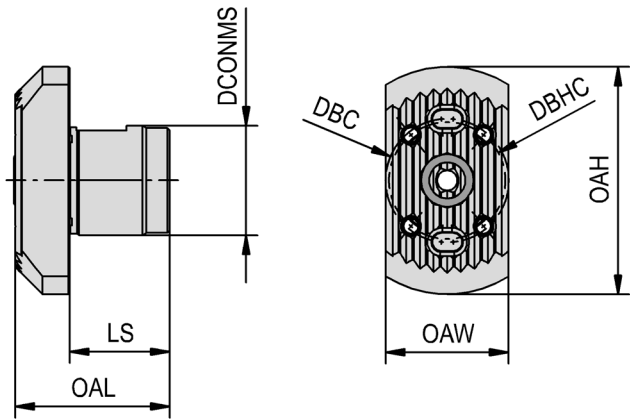
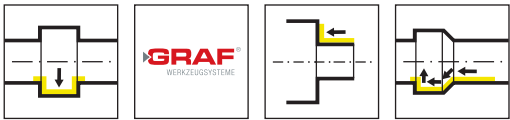
Note:
Can be mounted on all layers.



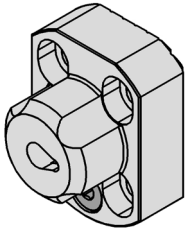
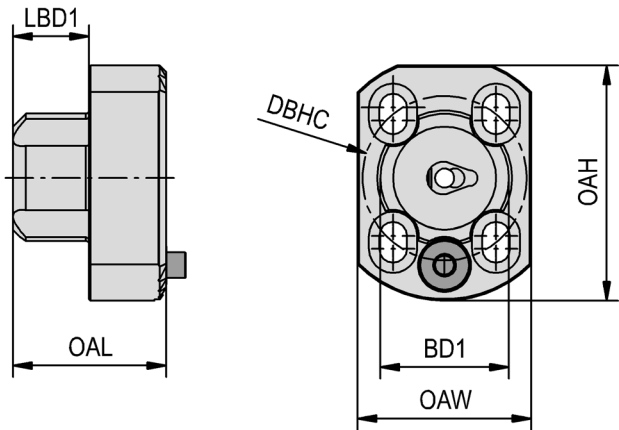
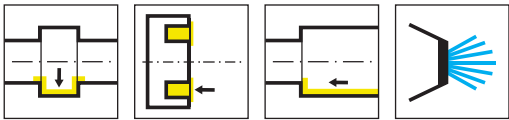
Artikelnummer Part number	LF	OAH	OAW	RADH	RADW	DF	Trennstelle M Interface M	Trennstelle W Interface W
GF.C3.L15.01.IK	15	46	35	23	17,5	32	ZYV02500115	Index Traub



Artikelnummer Part number	LF	OAL	WF	WB	Trennstelle W Interface W
RHV.C3.R.001.DC11.2IK	35,9	35,9	22	35	VC1103023N
RHV.C3.R.002.VC11.2IK	35,9	35,9	22	35	VC1103023N
RHV.C3.R.003.CC09.2IK	35,9	35,9	22	35	VC1103023N
RHV.C3.R.004.S274.2IK	35,9	35,9	22	39,3	VC1103023N
RHV.C3.R.005.H315.2IK	35,9	35,9	22	39,2	VC1103023N



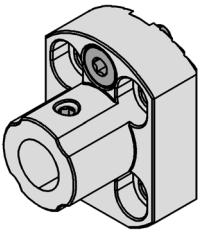
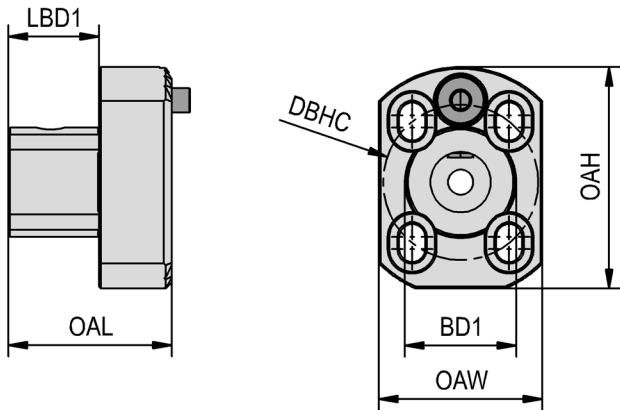
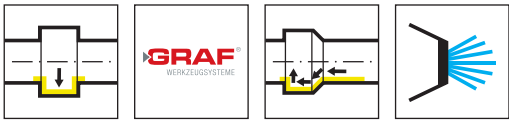
Artikelnummer Part number	OAH	OAW	OAL	DCONMS	LS	DBC	DBHC
BGT.MS.0015.16	32	17,2	26	15	16	24,2	22,85
BGT.MS.0022.24	38	27	34	22	24	27	25,6
BGT.MS.0024.22	50	27	34	24	22	27	25,6
BGT.MS.0032.32	50	43	42	32	32	40	25,6
BGT.MS.0042.35	62	43	48	42	35	40	25,6



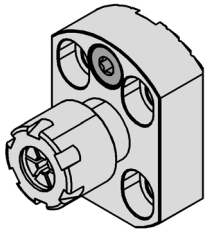
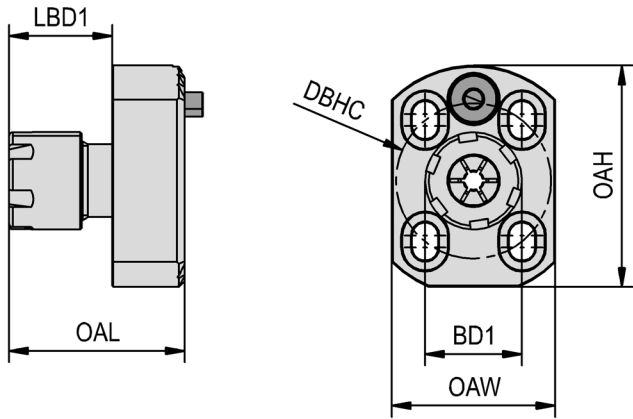
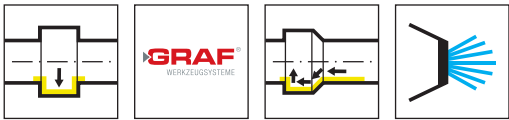
Artikelnummer Part number	OAH	OAW	OAL	LBD1	DBHC	BD1	Trennstelle W Interface W	Trennstelle M Interface M
BKT105.1732.00.01.IK	32	17	23,8	11,8	22,8	20	10512395N • 10512495N • 10512595N	Kerbverzahnung 60°/T3
BKT105.2738.00.01.IK	36,5	27	23,8	11,8	25,5	20	10512395N • 10512495N • 10512595N	Kerbverzahnung 60°/T3
BKT105.4350.00.01.IK	49	43	23,8	11,8	38,1	20	10512395N • 10512495N • 10512595N	Kerbverzahnung 60°/T3

Ersatzteile
Spare Parts

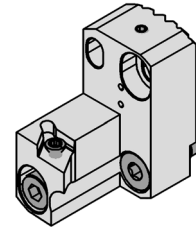
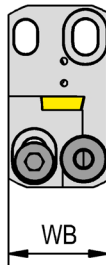
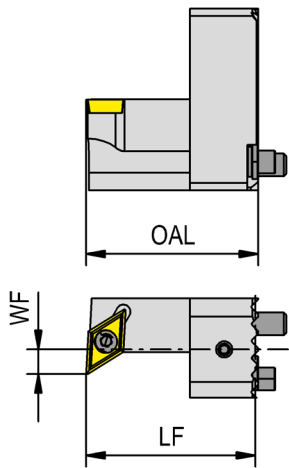
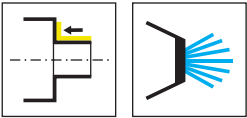
Einstellbare Halter Adjustable holder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
BKT105...	6.075T15P	T15PQ



Artikelnummer Part number	OAH	OAW	OAL	LBD1	DBHC	BD1
BKT.D008.1732.01.IK	32	17	25	13	23,4	16,5
BKT.D008.2738.01.IK	36,5	27	27	15	25,6	18
BKT.D010.2738.01.IK	36,5	27	27	15	25,6	18
BKT.D012.4350.01.IK	49	43	52	40	38,2	28
BKT.D016.4350.01.IK	49	43	55	43	38,2	31



Artikelnummer Part number	OAH	OAW	OAL	LBD1	DBHC	BD1
BKT.ER11.1732.01.IK	32	17	29	17	22,8	16
BKT.ER11.2738.01.IK	36,5	27	29	17	25,6	16
BKT.ER20.4350.01.IK	49	43	50	38	38,2	28



Artikelnummer Part number	LF	OAL	WF	WB	Trennstelle W Interface W
RKT.SDJCR.07.1732.2.S.IK	29,7	30,3	4,54	17,5	DC0702023N
RKT.SDJCR.07.2738.4.S.IK	30,8	31,3	0,27	27	DC0702023N
RKT.SVJCR.07.1732.2.S.IK	29,75	30,3	4,6	17,5	VC0702023N
RKT.SVJCR.11.2738.4.S.IK	30,75	31,3	7	27	VC1103023N
RKT.SVJCR.11.4350.4.S.IK	49,85	50,4	2,06	43	VC1103023N

01



Mehrspindler Schütte

Schütte multi-spindle machine

MODULARE HALTERSYSTEME

MODULAR HOLDER SYSTEMS

Seite/Page

Grundhalter System 849, 850 und 969 mit Kassetten

858

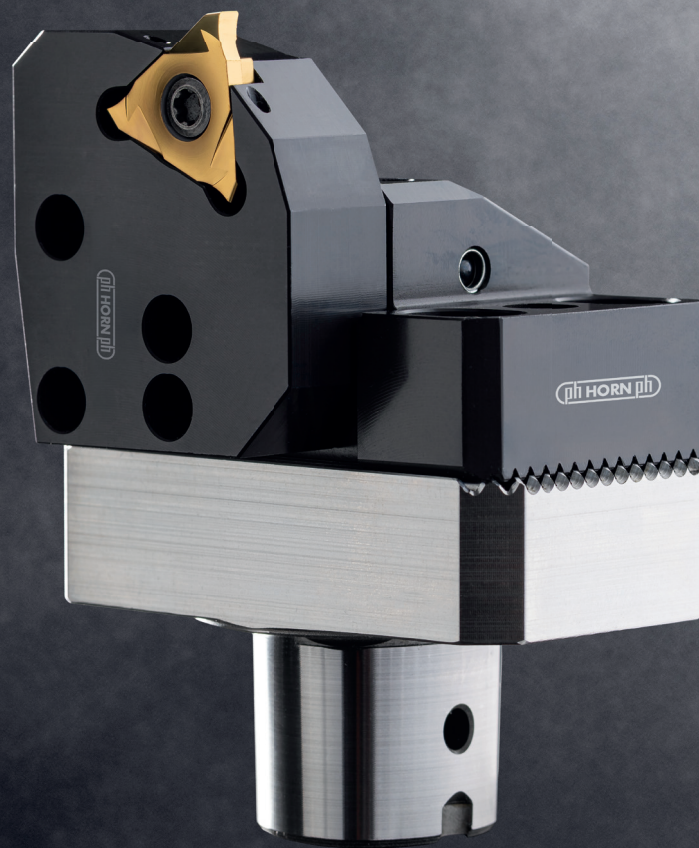
Basic Toolholder System 849, 850 and 969 with Cassettes

P

HCG - HORN Catalogue Guide

Kapitel Chapter	P			
	P1			
Maschinenaufnahme Adaper machine side	849		850	969
Type type	PSC	HSK-W	PSC	PSC
	C3	40	C3	C4
	C4	50	C4	
Kassette für Schneidplatte Typ 117 Cassette for insert typ 117	•	•		
Kassette für ISO-Schneidplatten Cassette for indexable insert ISO	•	•		
Kassette für Klemmhalter Schaft 16 x 16 mm Cassette for toolholder shank 16 x 16 mm	•	•		•
Kassette für Schneidplatte Typ 229 Cassette for insert typ 229	•	•		
Kassetteaufnahme Typ 849, Schnittstelle 220 Adapter for cassettes typ 849, interface 220	•	•		
Schwertaufnahme für Schwert Schaft 26 x 8 mm Adapter for blade for blade shank 26 x 8 mm	•	•		
Bohrstangenaufnahme für Rundschaft Ø 16 mm Adapter for blades for round shank Ø 16 mm	•	•		
Bohrstangenaufnahme Supermini Schaft Ø 12 / 16 / 20 mm Adapter for blades Supermini Ø 12 / 16 / 20 mm	•	•		
Kassettenaufnahme Typ 850, Schnittstelle 220 Adapter for cassettes Type 850, interface 220			•	
Kassette Typ 850 für Schneidplatte Typ 315 Cassette type 850 for indexable insert type 315			•	
Kassette Typ 850, winkeleinstellbar, für Schneidplatte Typ 315 Cassette typ 315, angle-adjustable, for indexable insert type 315			•	
Kassette Typ 850 und Typ 356 für Schneidplatte Typ 315 Cassette type 850 and type 356 for indexable insert type 315			•	
Stechhaltestück für Kassette Typ 842 Grooving toolholder for cassette typ 842				•
Stechhaltestück für Kassette Typ 840 Grooving toolholder for cassette typ 840				•

P1



P1

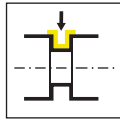
**Grundhalter Systeme 849, 850
und 969 mit Kassetten**

**Base toolholder System 849,
850 and 969 with cassettes**

Inhaltsangabe

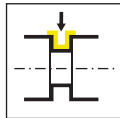
Summary

Grundhalter
Basic toolholder
849/N849/N850/969

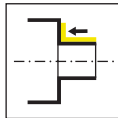


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861-862, 870, 876

Kassette
Cassette
N849/849/R850/NK356

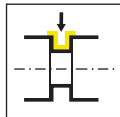


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863-865, 867,
872-874



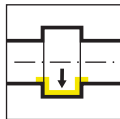
Seite/Page
866

Kassettenaufnahme
Adapter for cassettes
849/R850



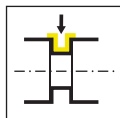
Seite/Page
868, 871

Bohrstangen-Aufnahme
Adaptor for boring bars
849

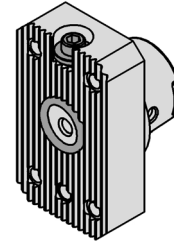
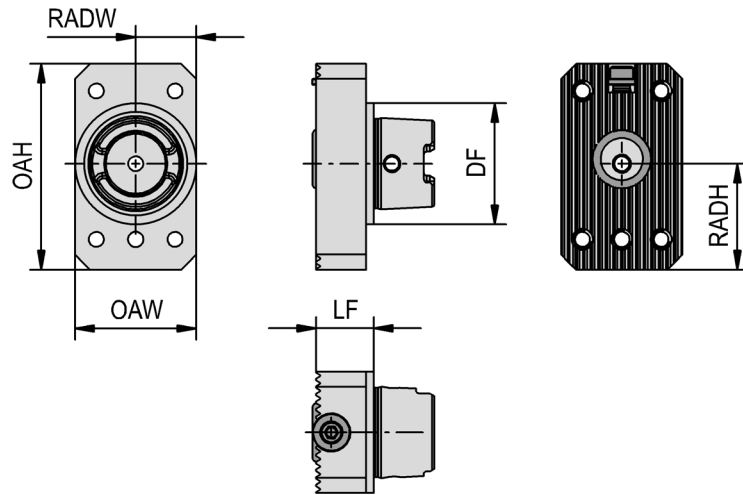
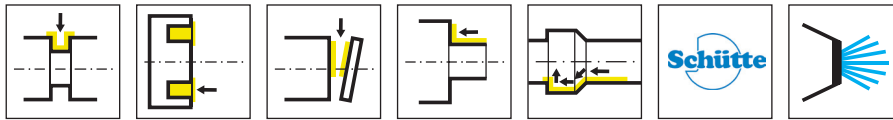


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869

Stechhaltestück
Grooving toolholder
969



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877-879

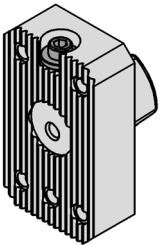
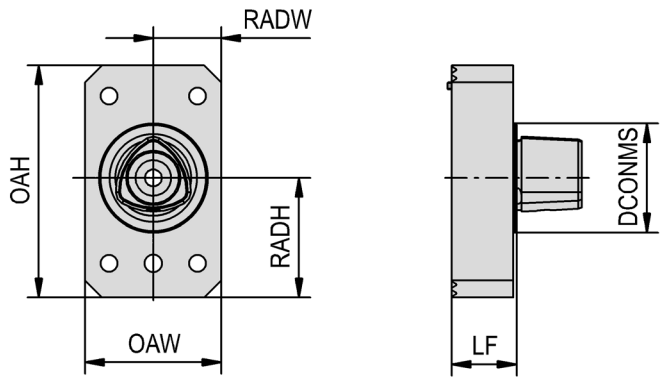
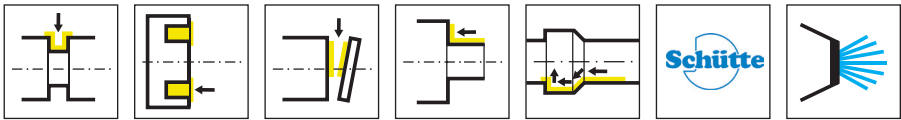


Artikelnummer Part number	LF	OAH	OAW	DCONMS	RADH	RADW
HSKW-N849.0040.01	18,5	68	40	40	35	20

Mitnahmenuten mit eingengter Toleranz nach ICTM
Drive slots with reduced tolerance per ICTM

Ersatzteile
Spare Parts

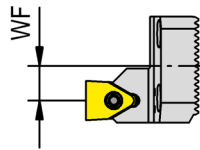
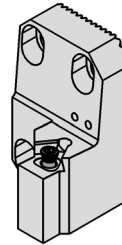
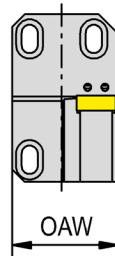
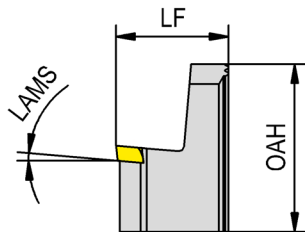
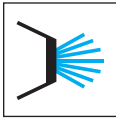
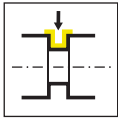
Grundhalter Basic toolholder	Spannschraube Clamping Screw
HSKW-N849.0040.01	030.0006.0503



Artikelnummer Part number	LF	OAH	OAW	DCONMS	RADH	RADW
N849.00C3.01	18,5	68	40	32	35	20
N849.00C4.01	18,5	68	40	40	35	20

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	Spannschraube Clamping Screw
N849...	030.0006.0503

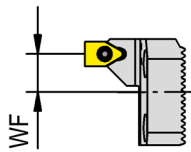
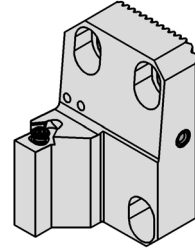
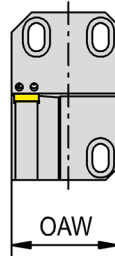
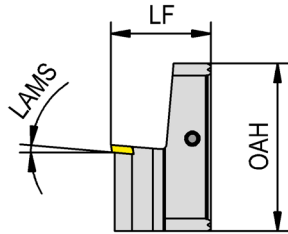
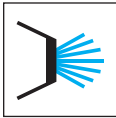
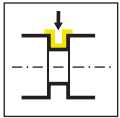


Artikelnummer Part number	LF	OAH	OAW	WF	LAMS	Trennstelle W Interface W
N849.0117R.10.00	40	68	43	17	5	117101050N
N849.0117R.12.00	40	68	43	16	5	117121050N
N849.0117R.16.00	45	68	43	14	5	117161050N
N849.0117R.20.00	50	68	43	12	5	117201050N
N849.0117R.26.00	55	68	43	22	5	117261050N

Höheneinstellbarkeit
+ 3 / -1 mm
Height-adjustable
+ 3 / -1 mm

Ersatzteile
Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
N849.0117R.10.00/12.00	4.09T15P	T15PQ
N849.0117R.16.00	5.12T20P	T20PQ
N849.0117R.26.00	6.17T20P	T20PQ

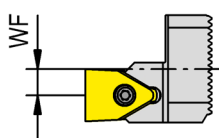
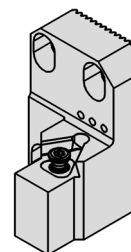
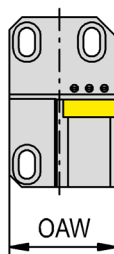
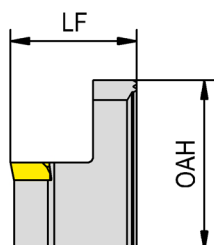
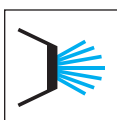
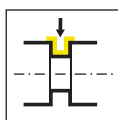


Artikelnummer Part number	LF	OAH	OAW	WF	LAMS	Trennstelle W Interface W
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N849.0117L.12.00	40	68	43	16	5	117121050N
N849.0117L.16.00	45	68	43	14	5	117161050N
N849.0117L.20.00	50	68	43	12	5	117201050N
N849.0117L.26.00	55	68	43	22	5	117261050N
N849.0117L.32.00	40	68	41	22	5	117321050N

Höheneinstellbarkeit
+ 3 / -1 mm
Height-adjustable
+ 3 / -1 mm

Ersatzteile Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
N849.0117L...10/12.00	4.09T15P	T15PQ
N849.0117L...16.00	5.12T20P	
N849.0117L...	6.17T20P	



Artikelnummer Part number	LF	OAH	OAW	WF	Trennstelle W Interface W
N849.0117R.16.M0	45	68	43	14	117160000N
N849.0117R.20.M0	50	68	43	12	117200000N
N849.0117R.26.M0	55	68	43	9	117260000N

Höheneinstellbarkeit

+ 3 / -1 mm

Height-adjustable

+ 3 / -1 mm

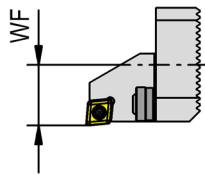
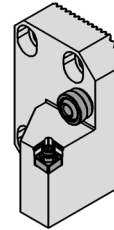
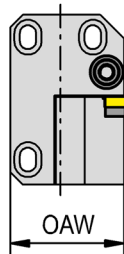
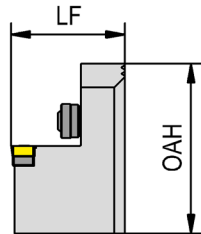
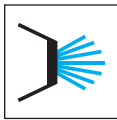
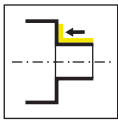
Einlegewinkel / Spanwinkel 0° für Messsingbearbeitung

Mounting angle / rake angle 0° for brass machining

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
N849.0117R.16.M0	5.12T20P	T20PQ
N849.0117R....	6.17T20P	T20PQ



Artikelnummer Part number	LF	OAH	OAW	WF
R849.SCLCR.12.00	45	68	47	27
R849.SCLCR.09.00	45	68	47	27
R849.SVJBR.16.00	50	68	47	27
R849.SDJCR.11.00	45	68	47	27
R849.SVJBL.16.00	50	68	49,5	14,9

Höheneinstellbarkeit

± 1 mm

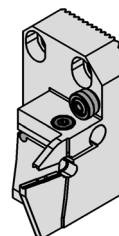
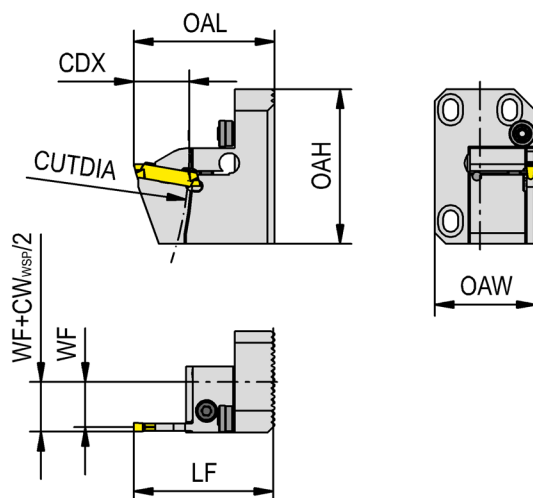
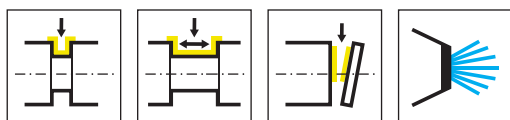
Height-adjustable

± 1 mm

Ersatzteile

Spare Parts

Kassette Cassette	Kugelspritzdüse Coolant spray nozzle	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R849...	020.1210.2966	T15PW



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	LF	OAH	OAW	OAL	CUTDIA	CDX	WF	Trennstelle W Interface W
R849.0226R.00.03	61,5	68	44,5	62,05	150	25	23	229030058N • 229040058N • S229030058N • S229040058N
R849.0226R.00.04	61,5	68	44,5	62,05	150	25	22,2	229040058N • 229050058N • S229040058N • S229050058N
R849.0226R.00.05	61,5	68	44,5	62,05	150	25	21,7	229050058N • 229060058N • S229050058N • S229060058N
R849.0226R.00.07	61,5	68	44,5	62,05	150	25	20,7	229060058N • 229080058N • S229060058N • S229080058N
L849.0226L.00.03	61,5	68	44,5	62,05	150	25	23	229030058N • 229040058N • S229030058N • S229040058N
L849.0226L.00.04	61,5	68	44,5	62,05	150	25	22,2	229040058N • 229050058N • S229040058N • S229050058N
L849.0226L.00.05	61,5	68	44,5	62,05	150	25	21,7	229050058N • 229060058N • S229050058N • S229060058N
L849.0226L.00.07	61,5	68	44,5	62,05	150	25	20,7	229060058N • 229080058N • S229060058N • S229080058N

Höheneinstellbarkeit

± 1 mm

Height-adjustable

± 1 mm

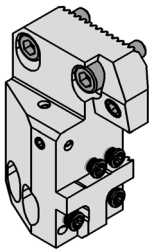
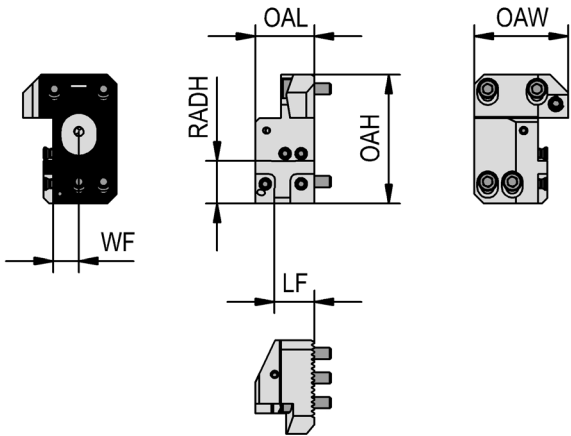
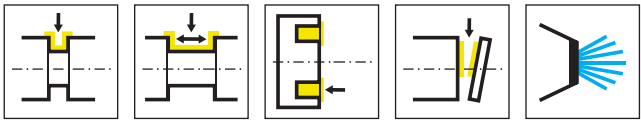
CW siehe Wendeschneidplatten

CW see indexable inserts

Ersatzteile

Spare Parts

Kassette Cassette	Kugelspritzdüse Coolant spray nozzle	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
L849.0226L.00....	020.1008.2976	6.23T25P	T25PQ
R849.0226R.00....	020.1008.2976	6.23T25P	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

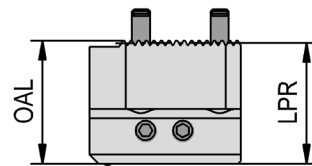
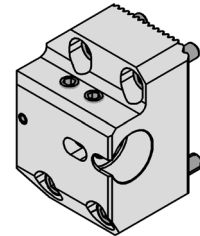
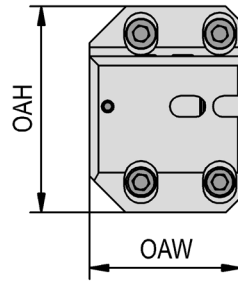
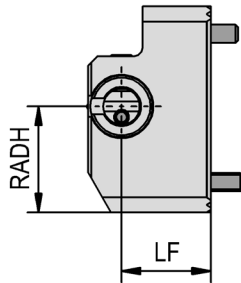
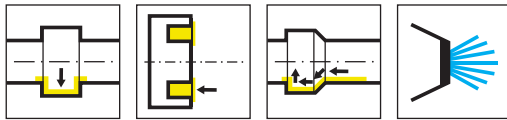
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	LF	OAH	OAW	OAL	RADH	WF	Trennstelle W Interface W
R849.0220R.41.00.IK	14,5	68	65,6	41	22,5	30,6	22000193
R849.0220R.49.00.IK	20,5	68	49,5	31,05	22,5	13,6	22000193
L849.0220L.41.00.IK	14,5	68	65,6	41	22,5	30,6	22000193
L849.0220L.49.00.IK	20,5	68	49,5	31,05	22,5	13,6	22000193

Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

Ersatzteile
Spare Parts

Kassettenaufnahme Adapter for cassettes	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
L849.0220L....	5.12T20P	T20PQ
R849.0220R....	5.12T20P	T20PQ



Länge einstellbar + 2 mm
Length adjustable + 2 mm

Artikelnummer Part number	LF	OAH	OAW	OAL	LPR	RADH
R849.0012R.50.K2	29	68	50	40,5	40	35
R849.0016R.50.K2	29	68	50	40,5	40	35
R849.0020R.50.K2	29	68	50	40,5	40	35

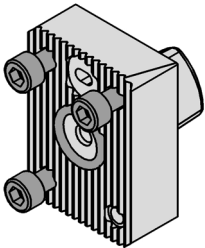
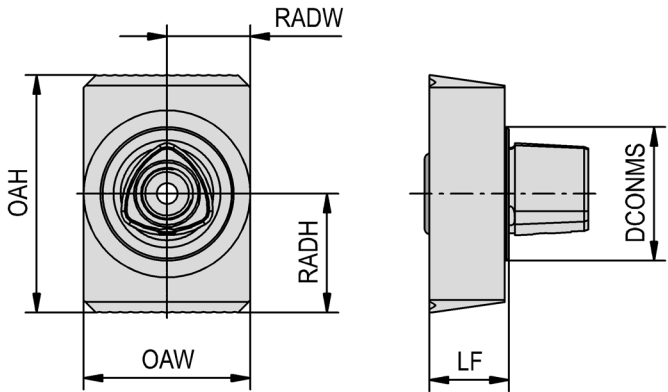
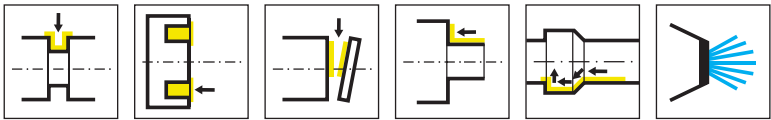
Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

Die Bohrstangen sind nicht im Lieferumfang enthalten - bitte separat bestellen!
Boring bars are not included - separate order required!

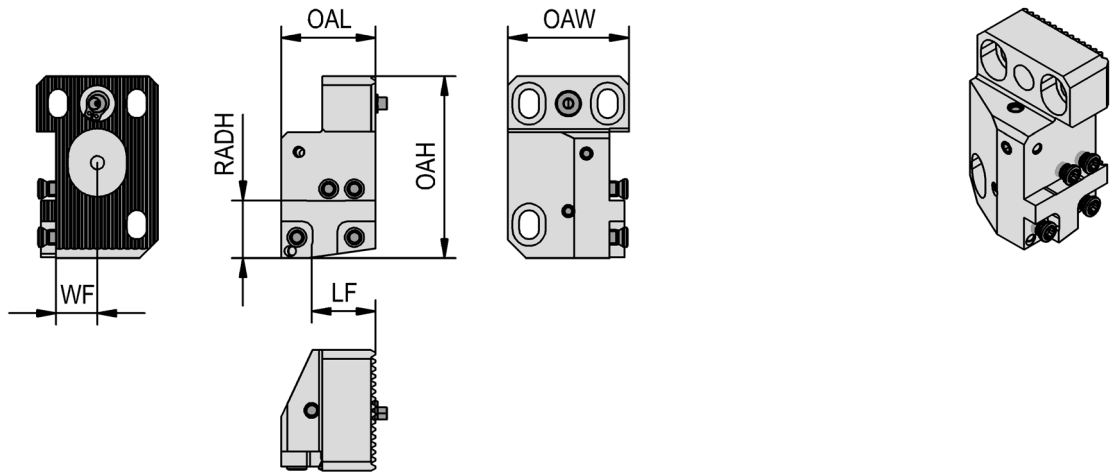
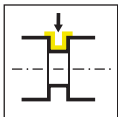
Ersatzteile

Spare Parts

Bohrstangen-Aufnahme Adaptor for boring bars	Spannschraube Clamping Screw
R849.00...	030.5060.0596
R849.0020R.50.K2	030.1008.0648



Artikelnummer Part number	LF	OAH	OAW	DCONMS	RADH	RADW
N850.00C3.01	18,5	57	40	32	28,5	20
N850.00C4.01	18,5	57	40	40	28,5	20

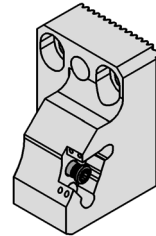
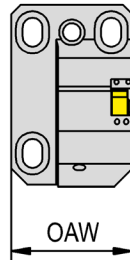
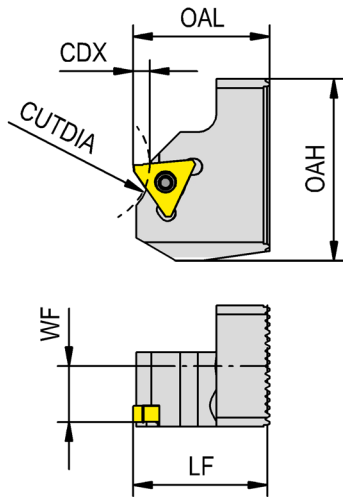
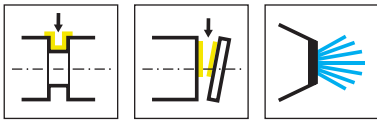


Artikelnummer Part number	LF	OAH	OAW	OAL	RADH	WF	Trennstelle W Interface W
R850.0220R.49.00.IK	20,5	60	40	31,05	19	13,6	22000193

Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

Ersatzteile
Spare Parts

Kassettenaufnahme Adapter for cassettes	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R850.0220R.49.00.IK	5.12T20P	T20PQ



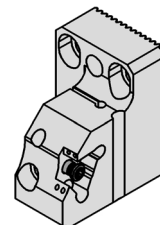
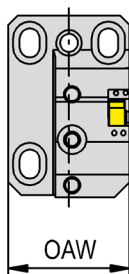
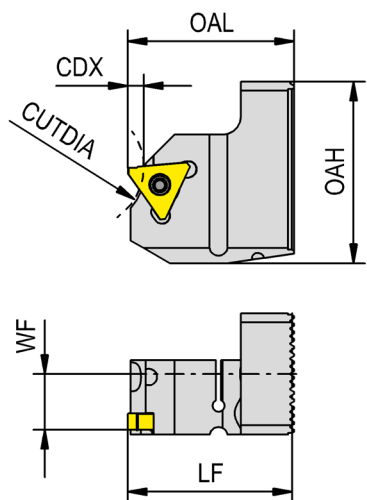
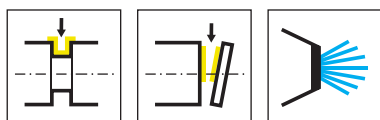
Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	OAW	Trennstelle W Interface W
R850.0315.00.07.IK	5	40	18,5	45	44,45	60	40	31507051R
R850.0315.00.10.IK	5	40	15,3	45	44,45	60	40	31510051R
R850.0315.00.13.IK	5	40	12,3	45	44,45	60	40	31513051R

Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R850...	5.15T20P	T20PQ

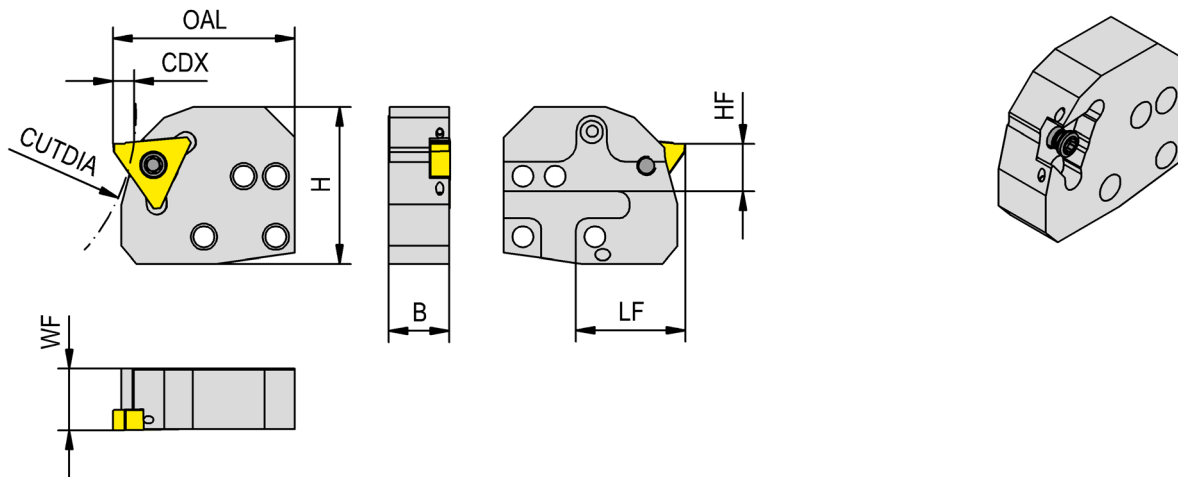
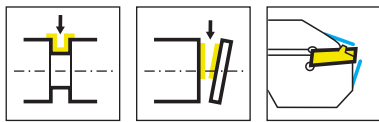


Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	OAW	Trennstelle W Interface W
R850.0315.01.05.IK	5	40	20,3	55	54,45	60	40	31505051R
R850.0315.01.07.IK	5	40	18,5	55	54,45	60	40	31507051R
R850.0315.01.10.IK	5	40	15,3	55	54,45	60	40	31510051R
R850.0315.01.13.IK	5	40	12,3	55	54,45	60	40	31513051R

Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

Ersatzteile
Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R850.0315.01.05.IK	5.12T20P	T10PL
R850.0315.01...	5.15T20P	T10PL



Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstel- le M Interface M
RNK356.0850.4.25.IK	3	185	16,3	48	29	41,4	12,5	41,4	16	31505051R	22000193

CW siehe Wendschneidplatten
CW see indexable inserts

Ersatzteile
Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RNK356.0850.4.25.IK	5.12T20P	T20PQ



Mehrspindler
multi-spindle machine



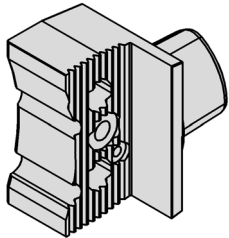
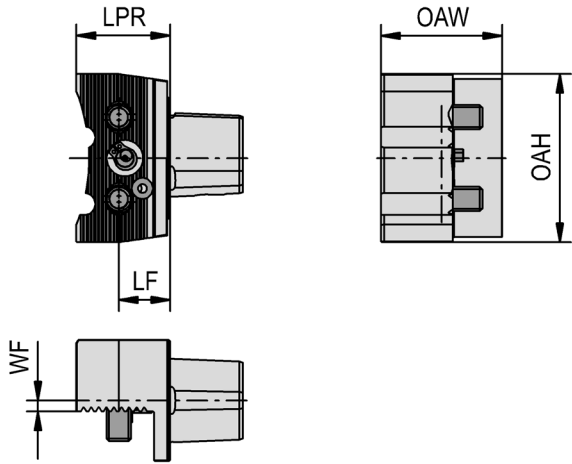
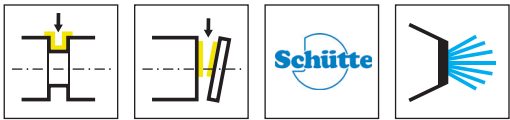
für Kassette System 842
for cassette system 842



für Kassette System 840
for cassette system 840



für Klemmhalter mit Quadratschaft
for toolholder with square shank



Artikelnummer Part number	LF	OAH	OAW	LPR	WF
R969.00C4.01	17	55,5	40	31	3,67

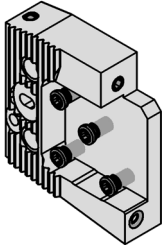
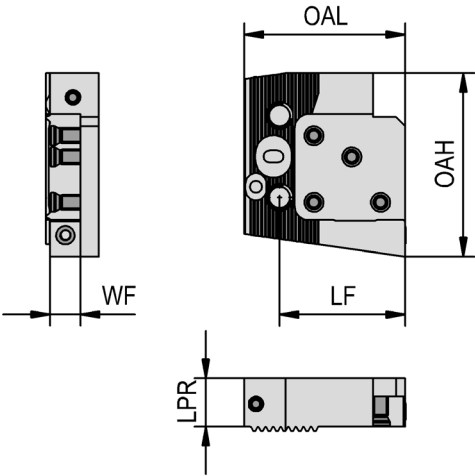
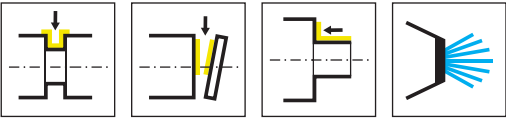


Abbildung = R969.I...

Artikelnummer Part number	LF	OAH	OAL	LPR	WF	Trennstelle W Interface W
R969.I.16.842.0050.IK	42	61	53	16	10	84200093
R969.A.16.842.0050.IK	42	61	53	16	10	84200093

Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

Die passenden Kassetten finden Sie im Kapitel R
For the available cassettes please see chapter R

Ersatzteile
Spare Parts

Stechhaltestück Grooving toolholder	Kugelspritzdüse Coolant spray nozzle	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R969...	020.0806.3116	5.15T20P	T20PQ

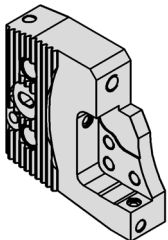
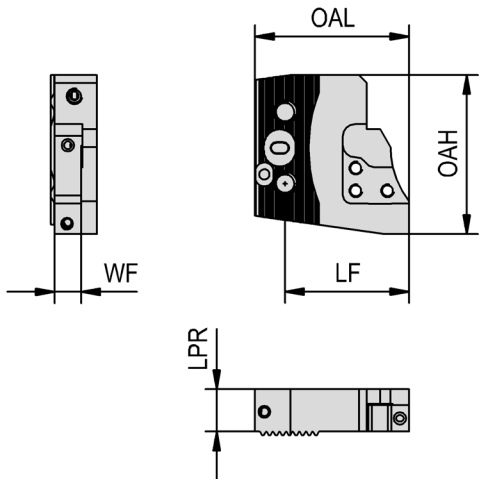
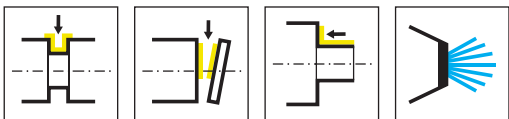


Abbildung = R969.I...

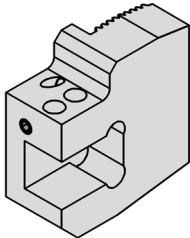
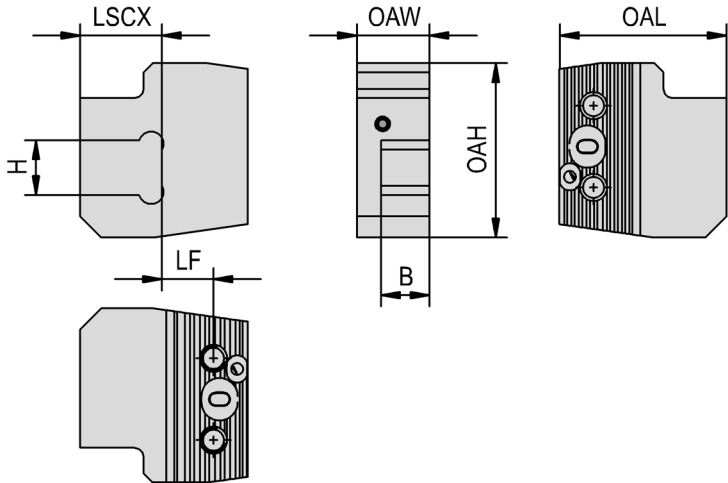
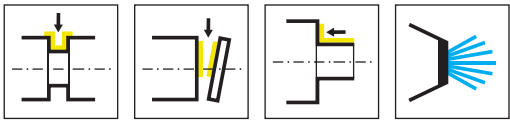
Artikelnummer Part number	LF	OAH	OAL	LPR	WF	Trennstelle W Interface W
R969.I.16.840.0040.IK	46,8	60	58,5	16	10	84000293 • 84000283
R969.A.16.840.0040.IK	46,8	60	58,5	16	10	84000193 • 84000183

Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

Die passenden Kassetten finden Sie im Kapitel L
For the available cassettes please see chapter L

Ersatzteile
Spare Parts

Stechhaltestück Grooving toolholder	Spannschraube Clamping Screw	Kugelspritzdüse Coolant spray nozzle	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R969...	5.12T20P	020.0806.3116	T20PQ



Artikelnummer Part number	LF	OAH	OAW	OAL	H	B	LSCX
R969.A.24.1616.0055.IK	17	57,5	24	55,3	18	16	27

Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm



P1

Goeltenbodt

MODULARE HALTERSYSTEME

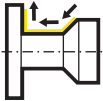
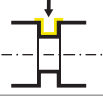
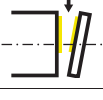
MODULAR HOLDER SYSTEMS

Seite/Page

Grundhalter Typ GWS mit Kassette
Basic Toolholder type GWS with Cassette

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HCG - HORN Catalogue Guide

Kapitel Chapter	Q			
	Q1			
Halter Holder	Grundhalter		Kassetten	
	GWS202	GWS41	LNK100	LNK224
Halter Schaft / Holder Shank				
6 x 16		•	•	•
8 x 26	•		•	•
6 x 32	•		•	•
	•	•	•	•
	•	•	•	•
	•	•	•	•
	•	•	•	•



**Grundhalter Typ GWS mit
Kassetten**

**Basic toolholder type GWS
with cassettes**

Q1

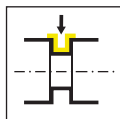
Inhaltsangabe

Summary

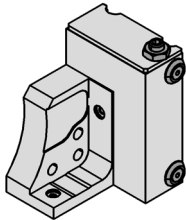
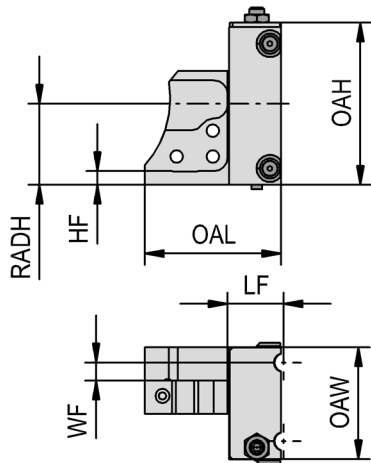
Grundhalter
Basic toolholder
GWS

Seite/Page
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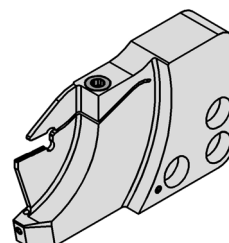
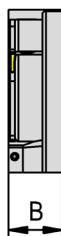
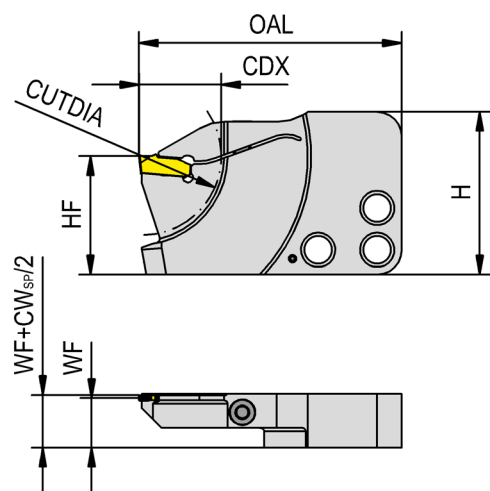
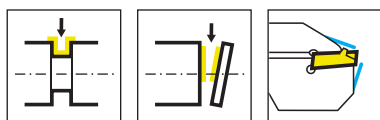
Kassette
Cassette
NK100/NK224



Seite/Page
886-887



Artikelnummer Part number									
	HF	LF	OAH	OAW	OAL	RADH	WF	Trennstelle W Interface W	Trennstelle M Interface M
GWS202	5	12,5	40	44,6	45,5	20	14,55	84000083 • 84000093	GWS Göltenbott
GWS41	4,5	18,5	53,5	37	45	26,75	6	84000083 • 84000093	GWS Göltenbott

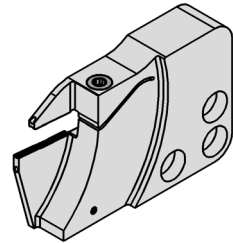
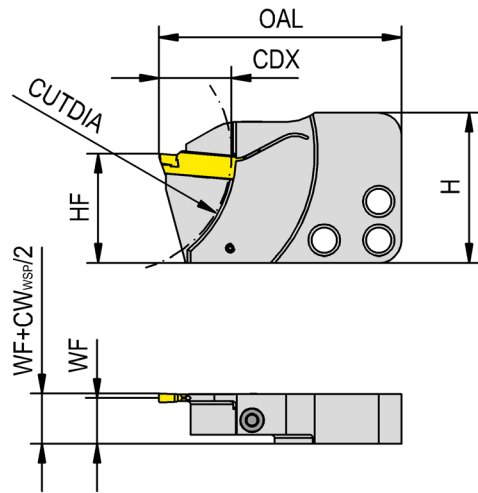
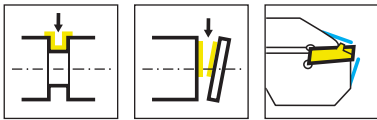


Artikelnummer Part number	CDX	CUTDIA	WF	OAL	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
LNK100.0840.16.EK.02.IK	17	52	10,1	53,4	24	33	10,95	100010058N	84000093
LNK100.0840.16.EK.03.IK	17	52	9,7	53,4	24	33	10,95	100030058N	84000093
LNK100.0840.16.EK.12.IK	17	32	10,1	53,4	24	33	10,95	100120058N	84000093
LNK100.0840.16.EK.14.IK	17	32	10,1	53,4	24	33	10,95	100140058N	84000093
LNK100.0840.16.EK.16.IK	17	32	10,1	53,4	24	33	10,95	100160058N	84000093

Q1

Ersatzteile Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LNK100...	3.5.12T10P	T10PL



Artikelnummer Part number	CDX	CUTDIA	WF	OAL	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
LNK224.0840.16.EK.02.IK	16	52	10,1	53,4	24	33	10,95	224010058N	84000093
LNK224.0840.16.EK.03.IK	16	52	9,7	53,4	24	33	10,95	224030058N	84000093
LNK224.0840.16.EK.25.IK	16	52	9,9	53,4	24	33	10,95	224020058N	84000093

Ersatzteile
Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LNK224...	3.5.12T10P	T10PL



Schnittstelle 842

Interface 842

KASSETTEN ZUM EIN- UND ABSTECHEN

CASSETTES FOR GROOVING AND PARTING OFF

Seite/Page

Kassetten Systeme 100, 224, 234, 368, ISO
Cassettes Systems 100, 224, 234, 368, ISO

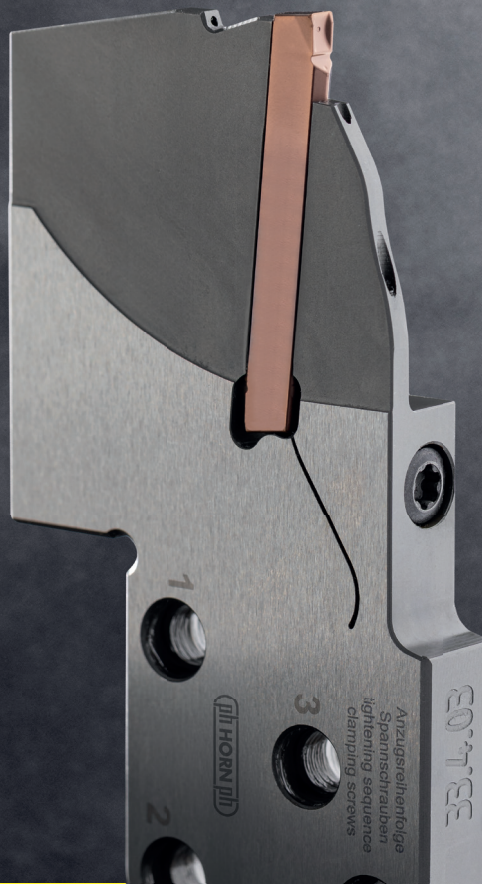
890

R1

Kapitel Chapter	R				
	R1				
Kassette System Cassette System	100	224	234	368	ISO
CW	1,2-4	2-3	2-3	1,2-1,5	SDJCR07
CDX	> 17	18	33	8	SDJCL07
CUTDIA	> 34	> 34	80	18	SVJCR11
					SVJCL11
Y-Abstechen Y Parting off	•				
	•	•	•	•	
	•	•	•	•	
					•
	•				
	•	•	•	•	•

842

R1



Kassetten für Schnittstelle 842

System 100
System 224
System 234
System 368
System ISO

Cassettes for interface 842

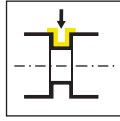
System 100
System 224
System 234
System 368
System ISO

Inhaltsangabe

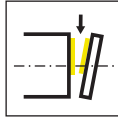
Summary

R1

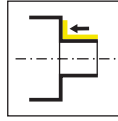
Kassette
Cassette
NK100/NK224/NK234/
NK368/K842



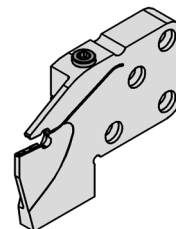
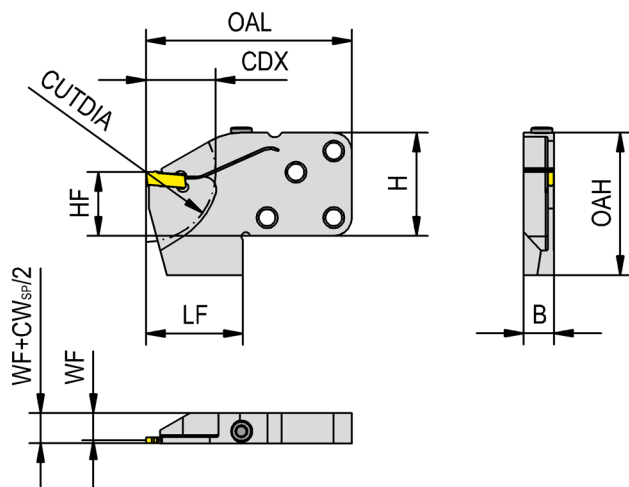
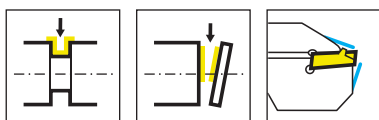
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5-10, 12



Seite/Page
11



Seite/Page
13



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK100.0842.17.5.712.IK	17	34	9,6	68	32	47	21	34	10,08	100220058N	84200093
RNK100.0842.17.5.714.IK	17	34	9,5	68	32	47	21	34	10,08	100240058N	84200093
RNK100.0842.17.5.716.IK	17	34	9,43	68	32	47	21	34	10,08	100260058N	84200093
LNK100.0842.17.5.712.IK	17	34	9,6	68	32	47	21	34	10,08	100220058N	84200093
LNK100.0842.17.5.714.IK	17	34	9,5	68	32	47	21	34	10,08	100240058N	84200093
LNK100.0842.17.5.716.IK	17	34	9,43	68	32	47	21	34	10,08	100260058N	84200093

Hinweis:

R/LNK100...5...IK = Austritt des Kühlmittels über die Unterstützung

Note:

R/LNK100...5...IK = Coolant outlet through the support

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.

The fastening screws are combined with the grooving toolholder - no separate order required.

rechts / links montierbar

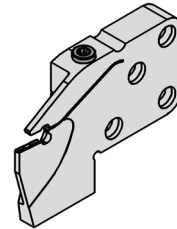
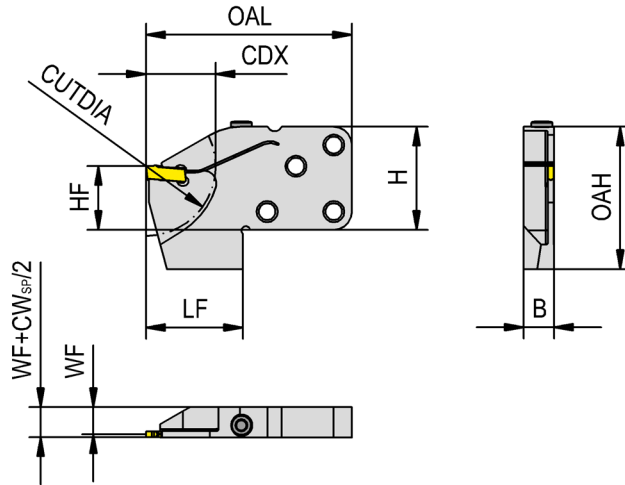
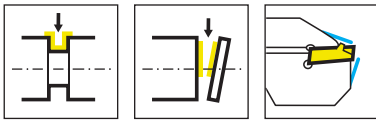
right / left to assemble

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK100...	5.13T20P	T20PQ

R1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK100.0842.16.5.71.IK	17	34	9,2	68	32	47	21	34	10	100010058N	84200093
RNK100.0842.17.5.71.IK	17	34	9,2	76	40	47	21	34	10	100010058N	84200093
RNK100.0842.18.5.71.IK	17	34	9,2	88	52	47	21	34	10	100010058N	84200093
RNK100.0842.23.5.71.IK	23	46	9,2	68	32	47	21	34	10	100010058N	84200093
RNK100.0842.24.5.71.IK	23	46	9,2	76	40	47	21	34	10	100010058N	84200093
RNK100.0842.16.4.72.IK	17	34	8,95	68	32	47	21	34	10	100020058N	84200093
RNK100.0842.23.4.72.IK	23	46	8,95	68	32	47	21	34	10	100020058N	84200093
RNK100.0842.24.4.72.IK	23	46	8,95	76	40	47	21	34	10	100020058N	84200093
LNK100.0842.16.5.71.IK	17	34	9,2	68	32	47	21	34	10	100010058N	84200093
LNK100.0842.17.5.71.IK	17	34	9,2	76	40	47	21	34	10	100010058N	84200093
LNK100.0842.18.5.71.IK	17	34	9,2	88	52	47	21	34	10	100010058N	84200093
LNK100.0842.23.5.71.IK	23	46	9,2	68	32	47	21	34	10	100010058N	84200093
LNK100.0842.24.5.71.IK	23	46	9,2	76	40	47	21	34	10	100010058N	84200093
LNK100.0842.16.4.72.IK	17	34	8,95	68	32	47	21	34	10	100020058N	84200093
LNK100.0842.23.4.72.IK	23	46	8,95	68	32	47	21	34	10	100020058N	84200093
LNK100.0842.24.4.72.IK	23	46	8,95	76	40	47	21	34	10	100020058N	84200093

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.
The fastening screws are combined with the grooving toolholder - no separate order required.

rechts / links montierbar
right / left to assemble

Wechselklinge D T20 PK verwenden
Use blade D T20 PK

R/LNK100...5...IK = Austritt des Kühlmittels über die Unterstüzung

R/LNK100...4...IK = Austritt des Kühlmittels in Kombination von Spannfinger und Unterstüzung

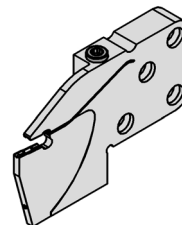
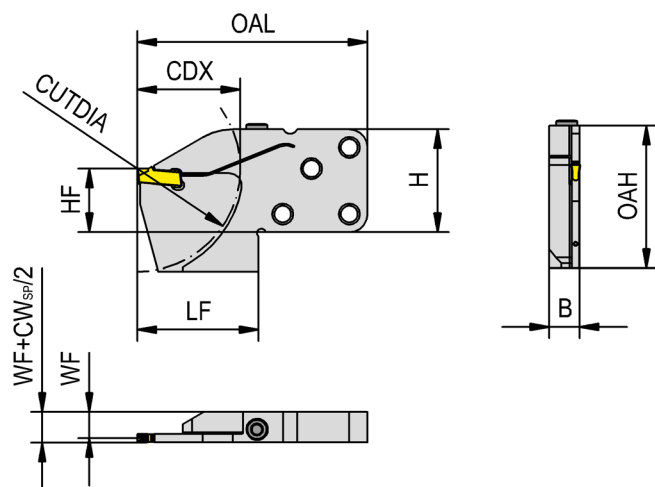
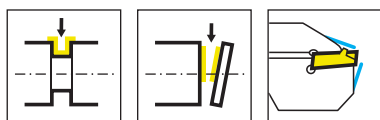
R/LNK100...5...IK = Coolant outlet through the support

R/LNK100...4...IK = Through clamping finger and insert support

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK100...	5.13T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK100.0842.34.4.73.IK	34	68	8,7	76	40	47	21	34	10	100030058N	84200093
RNK100.0842.16.4.73.IK	17	34	8,7	68	32	47	21	34	10	100030058N	84200093
RNK100.0842.23.4.73.IK	23	42	8,7	68	32	47	21	34	10	100030058N	84200093
RNK100.0842.26.4.73.IK	27	54	8,7	68	32	47	21	34	10	100030058N	84200093
RNK100.0842.27.4.73.IK	27	54	8,7	76	40	47	21	34	10	100030058N	84200093
RNK100.0842.34.4.74.IK	34	68	8,2	76	40	47	21	34	10	100040058N	84200093
LNK100.0842.34.4.74.IK	34	68	8,2	76	40	47	21	34	10	100040058N	84200093
LNK100.0842.16.4.73.IK	17	34	8,7	68	32	47	21	34	10	100030058N	84200093
LNK100.0842.23.4.73.IK	23	42	8,7	68	32	47	21	34	10	100030058N	84200093
LNK100.0842.26.4.73.IK	27	54	8,7	68	32	47	21	34	10	100030058N	84200093
LNK100.0842.27.4.73.IK	27	54	8,7	76	40	47	21	34	10	100030058N	84200093
LNK100.0842.34.4.73.IK	34	68	8,7	76	40	47	21	34	10	100030058N	84200093

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.
The fastening screws are combined with the grooving toolholder - no separate order required.

rechts / links montierbar
right / left to assemble

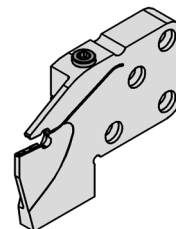
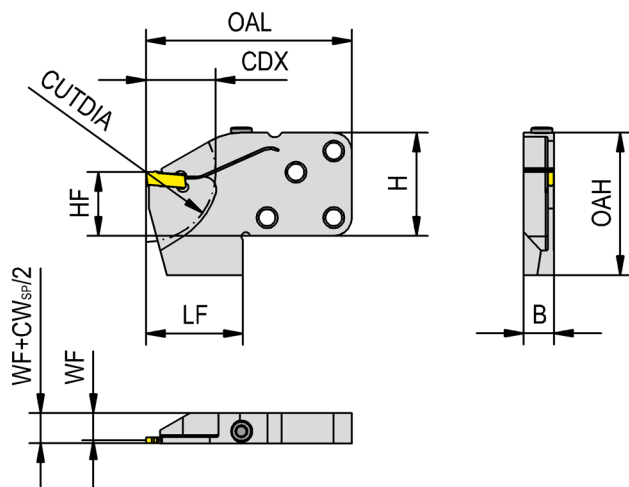
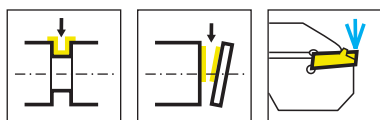
Wechselklinge D T20 PK verwenden
Use blade D T20 PK

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK100...	5.13T20P	T20PQ

R1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK100.0842.23.3.72.IK	23	46	8,95	68	32	47	21	34	10	100020058N	84200093
RNK100.0842.34.3.73.IK	34	68	8,7	76	40	47	21	34	10	100030058N	84200093
LNK100.0842.23.3.72.IK	23	46	8,95	68	32	47	21	34	10	100020058N	84200093
LNK100.0842.34.3.73.IK	34	68	8,7	76	40	47	21	34	10	100030058N	84200093
LNK100.0842.34.3.74.IK	34	68	8,2	76	40	47	21	34	10	100040058N	84200093

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.
The fastening screws are combined with the grooving toolholder - no separate order required.

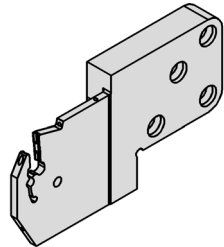
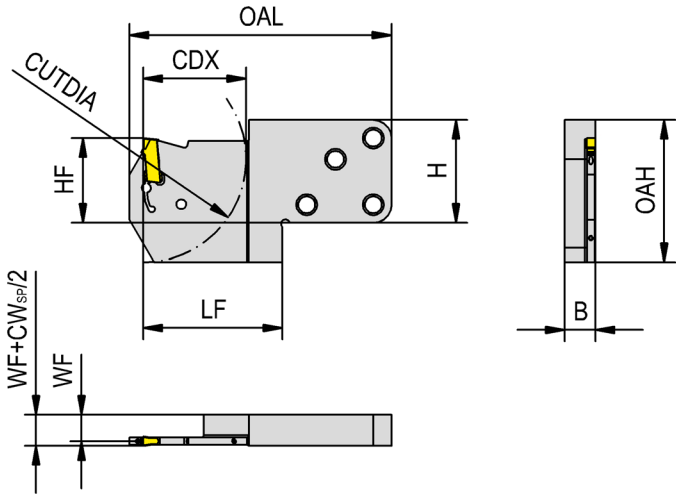
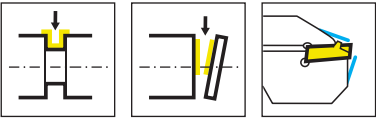
rechts / links montierbar
right / left to assemble

Wechselklinge D T20 PK verwenden
Use blade D T20 PK

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK100...	5.13T20P	T20PQ

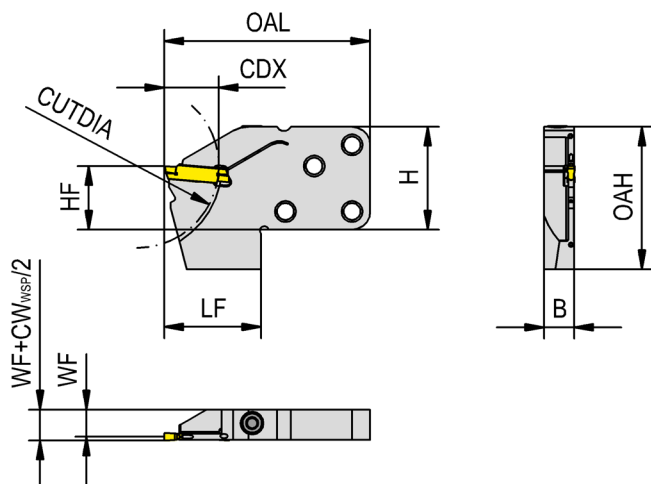
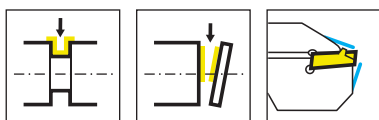


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstel- le M Interface M
RNK100.842.Y0.34.4.83.IK	34	68	8,7	86,5	46	47	21	34	10,25	100030058N	84200093
RNK100.842.Y0.34.4.84.IK	34	68	8,7	86,5	46	47	21	34	10,55	100040058N	84200093
LNK100.842.Y0.34.4.83.IK	34	68	8,7	86,5	46	47	21	34	10,25	100030058N	84200093
LNK100.842.Y0.34.4.84.IK	34	68	8,7	86,5	46	47	21	34	10,55	100040058N	84200093

R1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK224.0842.18.5.71.IK	18	34	9,2	68	32	47	21	34	9,9	224010058N	84200093
RNK224.0842.18.4.72.IK	18	54	8,95	68	32	47	21	34	10	224020058N	84200093
RNK224.0842.18.4.73.IK	18	54	8,7	68	32	47	21	34	9,9	224030058N	84200093
LNK224.0842.18.5.71.IK	18	34	9,2	68	32	47	21	34	9,9	224010058N	84200093
LNK224.0842.18.4.72.IK	18	54	8,95	68	32	47	21	34	10	224020058N	84200093
LNK224.0842.18.4.73.IK	18	54	8,7	68	32	47	21	34	9,9	224030058N	84200093

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.
The fastening screws are combined with the grooving toolholder - no separate order required.

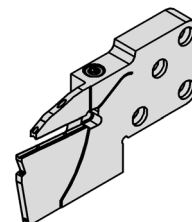
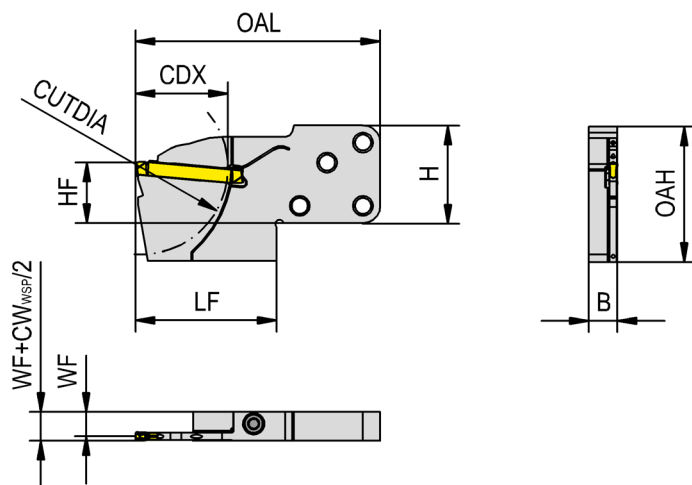
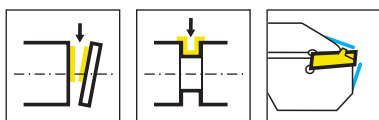
rechts / links montierbar
right / left to assemble

Wechselklinge D T20 PK verwenden
Use blade D T20 PK

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK224...	5.13T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

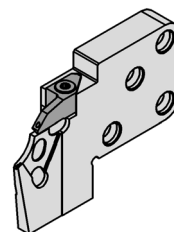
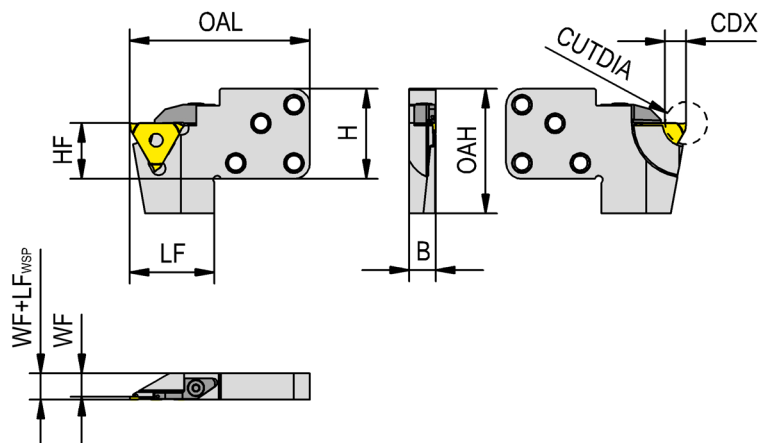
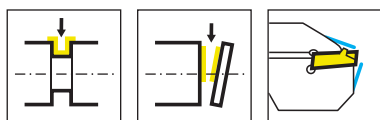
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK234.0842.33.4.02.IK	33	80	9	85	49	47	21	34	10	234010058N	84200093
RNK234.0842.33.4.03.IK	33	80	8,5	85	49	47	21	34	10	234030058N	84200093
LNK234.0842.33.4.02.IK	33	80	9	85	49	47	21	34	10	234010058N	84200093
LNK234.0842.33.4.03.IK	33	80	8,5	85	49	47	21	34	10	234030058N	84200093

Ersatzteile
Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK234...	5.13T20P	T20PQ

R1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK368.0842.4.01.IK	8	18	9	68	32	47	21	34	10	31208000N	84200093
RNK368.0842.4.02.IK	8	18	8,7	68	32	47	21	34	10	31211000N	84200093
LNK368.0842.4.01.IK	8	18	9	68	32	47	21	34	10	31208000N	84200093
LNK368.0842.4.02.IK	8	18	8,7	68	32	47	21	34	10	31211000N	84200093

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no separate order required.

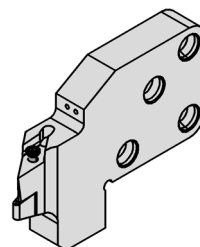
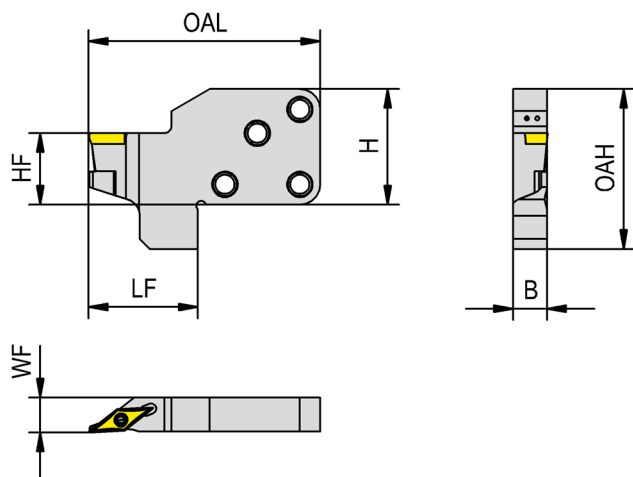
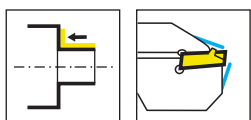
rechts / links montierbar
right / left to assemble

Wechselklinge D T20 PK verwenden
Use blade D T20 PK

Ersatzteile

Spare Parts

Kassette Cassette	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
LNK368.0842.4....	010.0004.0586	T10PL
RNK368.0842.4....	010.0004.0620	T10PL



L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

Artikelnummer Part number	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RK842.SDJCR.07.1.2.IK	10,3	68	32	47	21	34	10,05	DC0702013N	84200093
RK842.SVJCR.11.1.2.IK	10,3	68	32	47	21	34	10,05	VC1103013N	84200093
LK842.SDJCL.07.1.2.IK	10,3	68	32	47	21	34	10,05	DC0702013N	84200093
LK842.SVJCL.11.1.2.IK	10,3	68	32	47	21	34	10,05	VC1103013N	84200093

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.
The fastening screws are combined with the grooving toolholder - no separate order required.

rechts / links montierbar
right / left to assemble

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw
RK842.SDJCR.07.1.2.IK	001.01.01
LK842.SDJCL.07.1.2.IK	001.01.01
RK842.SVJCR.11.1.2.IK	001.01.08
LK842.SVJCL.11.1.2.IK	001.01.08

R1



Schnittstelle 845

Interface 845

KASSETTEN ZUM EIN- UND ABSTECHEN

CASSETTES FOR GROOVING AND PARTING OFF

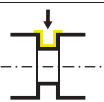
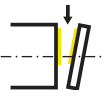
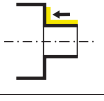
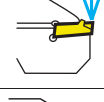
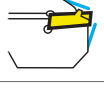
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Kassetten Systeme 100, 224, 229, 234, ISO
Cassettes Systems 100, 224, 229, 234, ISO

904

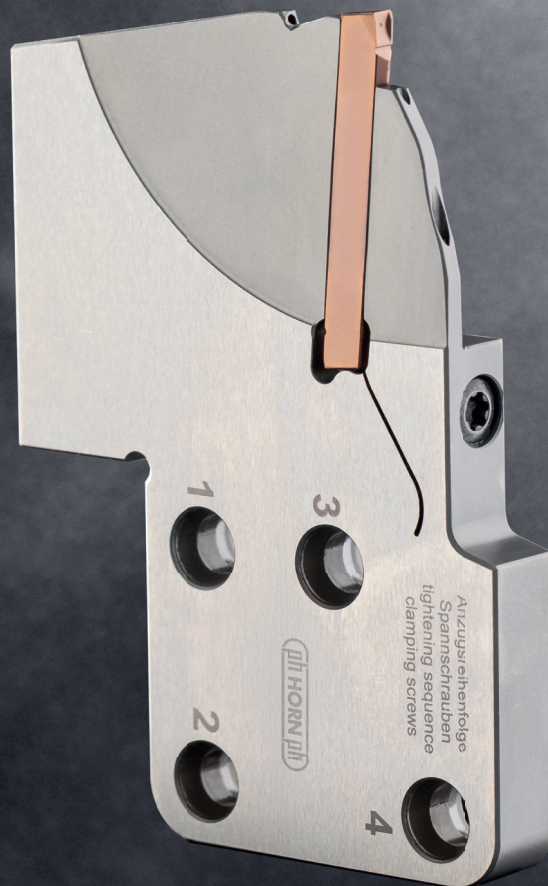
Kapitel Chapter	S				
	S1				
Kassette System Cassette System	100	224	229	234	ISO
CW	1,2-4	2-3	3-6	2-3	SDJCR07
CDX	> 17	18	25	33	SDJCL07 SVJCR11
CUTDIA	> 34	54	68	80	SVJCL11

Bearbeitung / Machining

Y-Abstechen Y Parting off	•				
	•	•	•	•	
	•	•	•	•	
					•
	•				
	•	•	•	•	•

845

S1



Kassetten für Schnittstelle 845

System 100
System 224
System 229
System 234
System ISO

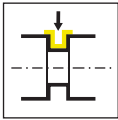
Cassettes for interface 845

System 100
System 224
System 229
System 234
System ISO

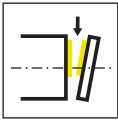
Inhaltsangabe

Summary

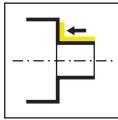
Kassette
Cassette
NK100/NK101/NK224/
NK229
NK234/K845



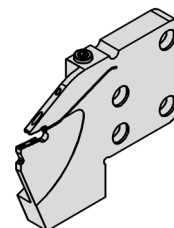
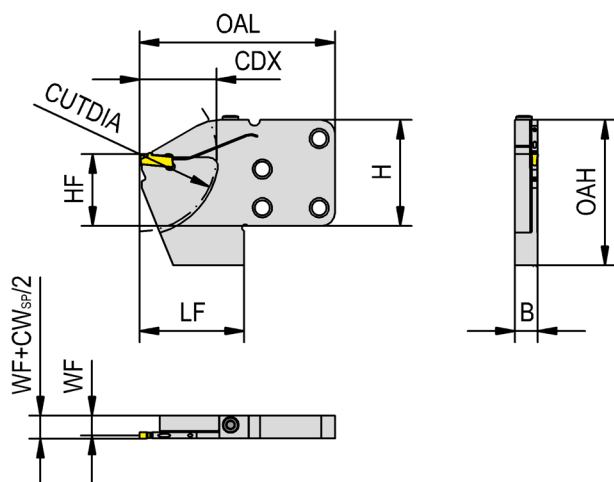
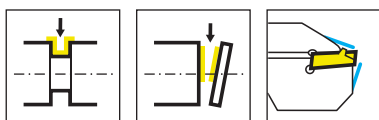
Seite/Page
907-910, , 911-
912



Seite/Page
913



Seite/Page
914



S1

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK100.0845.17.5.71.IK	17	44	9,2	78	38	64	31,65	46,65	10	100010058N	84500093
RNK100.0845.22.4.72.IK	22	44	8,95	78	38	64	31,65	46,65	10	100020058N	84500093
RNK100.0845.26.4.73.IK	26	52	8,7	78	38	64	31,65	46,65	10	100030058N	84500093
RNK100.0845.34.4.73.IK	34	68	8,7	86	46	64	31,65	46,65	10	100030058N	84500093
RNK100.0845.36.4.73.IK	34	68	8,7	106,5	66,5	64	31,65	46,65	10	100030058N	84500093
RNK100.0845.42.4.73.IK	42	84	8,7	94	54	64	31,65	46,65	10	100030058N	84500093
RNK100.0845.34.4.74.IK	34	68	8,2	86	46	64	31,65	46,65	10	100040058N	84500093
RNK100.0845.42.4.74.IK	42	84	8,2	94	54	64	31,65	46,65	10	100040058N	84500093
RNK100.0845.46.4.74.IK	46	92	8,2	97	57	64	31,65	46,65	10	100040058N	84500093
RNK100.0845.55.4.74.IK	55	110	8,2	106	66	64	31,65	46,65	10	100040058N	84500093
LNK100.0845.17.5.71.IK	17	44	9,2	78	38	64	31,65	46,65	10	100010058N	84500093
LNK100.0845.22.4.72.IK	22	44	8,95	78	38	64	31,65	46,65	10	100020058N	84500093
LNK100.0845.26.4.73.IK	26	52	8,7	78	38	64	31,65	46,65	10	100030058N	84500093
LNK100.0845.34.4.73.IK	34	68	8,7	86	46	64	31,65	46,65	10	100030058N	84500093
LNK100.0845.36.4.73.IK	34	68	8,7	106,5	66,5	64	31,65	46,65	10	100030058N	84500093
LNK100.0845.42.4.73.IK	42	84	8,7	94	54	64	31,65	46,65	10	100030058N	84500093
LNK100.0845.34.4.74.IK	34	68	8,2	86	46	64	31,65	46,65	10	100040058N	84500093
LNK100.0845.42.4.74.IK	42	84	8,2	94	54	64	31,65	46,65	10	100040058N	84500093
LNK100.0845.46.4.74.IK	46	92	8,2	97	57	64	31,65	46,65	10	100040058N	84500093
LNK100.0845.55.4.74.IK	55	110	8,2	106	66	64	31,65	46,65	10	100040058N	84500093

...5...IK = Austritt des Kühlmittels über die Unterstüzung

...4...IK = Austritt des Kühlmittels in Kombination von Spannfinger und Unterstüzung

...5...IK = Coolant outlet through the support

...4...IK = Through clamping finger and insert support

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.

The fastening screws are combined with the grooving toolholder - no separate order required.

rechts / links montierbar

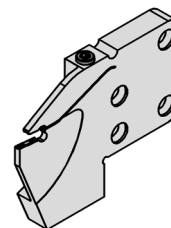
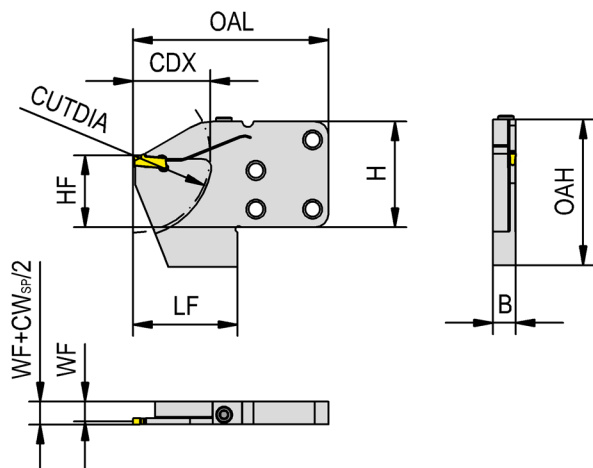
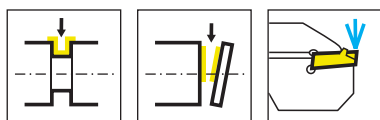
right / left to assemble

Wechselklinge D T20 PK verwenden
Use blade D T20 PK

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK100...	5.13T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstel- le M Interface M
RNK100.0845.22.3.72.IK	22	44	8,95	78	38	64	31,65	46,65	10	100020058N	84500093
RNK100.0845.34.3.73.IK	34	68	8,7	86	46	64	31,65	46,65	10	100030058N	84500093
RNK100.0845.42.3.74.IK	42	84	8,2	94	54	64	31,65	46,65	10	100040058N	84500093
LNK100.0845.34.3.73.IK	34	68	8,7	86	46	64	31,65	46,65	10	100030058N	84500093
LNK100.0845.42.3.74.IK	42	84	8,2	94	54	64	31,65	46,65	10	100040058N	84500093

*Kühlmittelzufuhr durch Schneidplatte

*Coolant through insert

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.
The fastening screws are combined with the grooving toolholder - no separate order required.

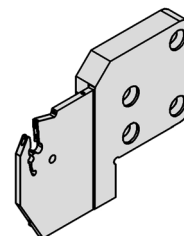
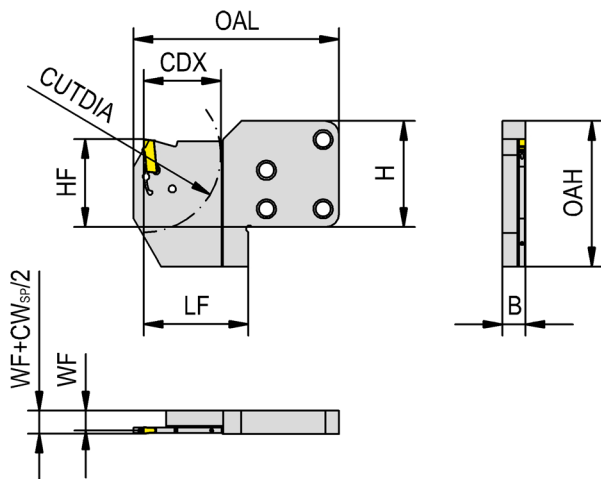
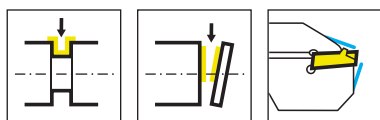
rechts / links montierbar
right / left to assemble

Wechselklinge D T20 PK verwenden
Use blade D T20 PK

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RNK100...	5.13T20P	T20PQ



S1

R = rechts wie gezeichnet
R = right hand version shown

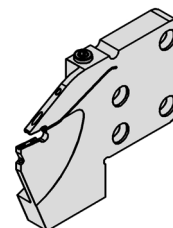
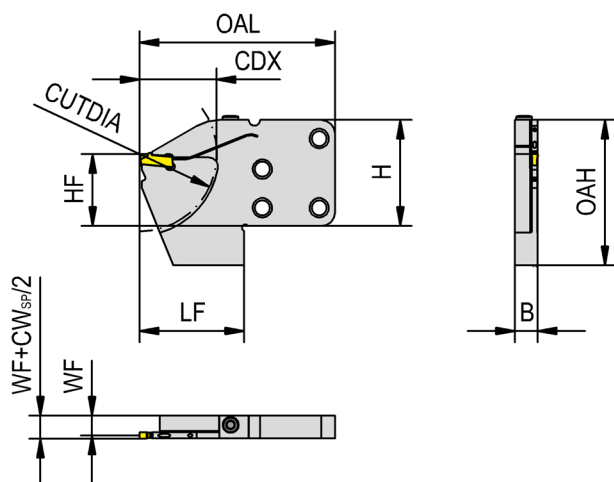
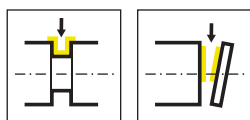
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK100.845.Y0.34.4.83.IK	34	68	8,7	90,5	46	64	31,65	46,65	10,25	100030058N	84500093
RNK100.845.Y0.34.4.84.IK	34	68	8,7	90,5	46	64	31,65	46,65	10,55	100040058N	84500093
RNK100.845.Y0.50.4.83.IK	50	100	8,7	107,5	63	64	31,65	46,65	10,25	100030058N	84500093
RNK100.845.Y0.50.4.84.IK	50	100	8,7	107,5	63	64	31,65	46,65	10,55	100040058N	84500093
RNK100.845.Y0.60.4.83.IK	60	120	8,7	117,5	73	64	31,65	46,65	10,25	100030058N	84500093
RNK100.845.Y0.60.4.84.IK	60	120	8,7	117,5	73	64	31,65	46,65	10,55	100040058N	84500093
LNK100.845.Y0.34.4.83.IK	34	68	8,7	90,5	46	64	31,65	46,65	10,25	100030058N	84500093
LNK100.845.Y0.34.4.84.IK	34	68	8,7	90,5	46	64	31,65	46,65	10,55	100040058N	84500093
LNK100.845.Y0.50.4.83.IK	50	100	8,7	107,5	63	64	31,65	46,65	10,25	100030058N	84500093
LNK100.845.Y0.50.4.84.IK	50	100	8,7	107,5	63	64	31,65	46,65	10,55	100040058N	84500093
LNK100.845.Y0.60.4.83.IK	60	120	8,7	117,5	73	64	31,65	46,65	10,25	100030058N	84500093
LNK100.845.Y0.60.4.84.IK	60	120	8,7	117,5	73	64	31,65	46,65	10,55	100040058N	84500093

CW siehe Schneidplatten
CW see inserts

Der Schlüssel **P101.02** gehört nicht zum Lieferumfang des Halters. Bitte separat bestellen!
Wrench P101.02 is not combined with slotting cutter - separate order required!

rechts / links montierbar
right / left to assemble



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK100.0845.17.5.712.IK	17	34	9,6	78	38	64	31,65	46,65	10,08	100220058N	84500093
RNK100.0845.17.5.714.IK	17	34	9,5	78	38	64	31,65	46,65	10,08	100240058N	84500093
RNK100.0845.17.5.716.IK	17	34	9,43	78	38	64	31,65	46,65	10,08	100260058N	84500093
LNK100.0845.17.5.712.IK	17	34	9,6	78	38	64	31,65	46,65	10,08	100220058N	84500093
LNK100.0845.17.5.714.IK	17	34	9,5	78	38	64	31,65	46,65	10,08	100240058N	84500093
LNK100.0845.17.5.716.IK	17	34	9,43	78	38	64	31,65	46,65	10,08	100260058N	84500093

...5...IK = Austritt des Kühlmittels über die Unterstützung
...5...IK = Coolant outlet through the support

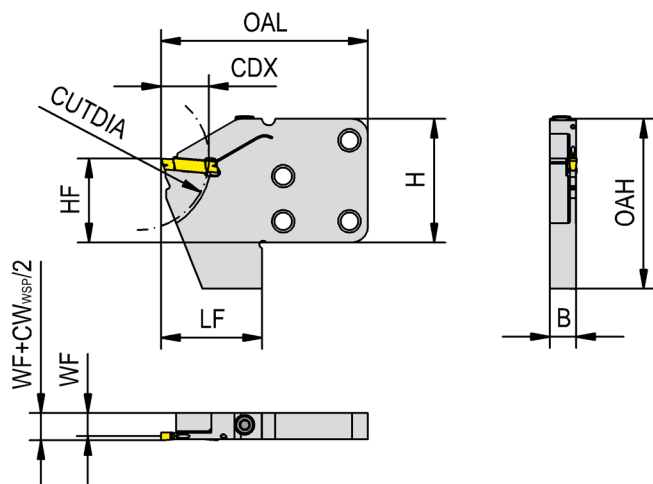
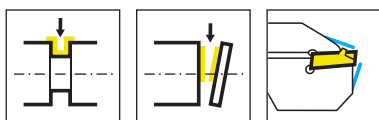
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.
The fastening screws are combined with the grooving toolholder - no separate order required.

rechts / links montierbar
right / left to assemble

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK100...	5.13T20P	T20PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK224.0845.18.5.71.IK	18	54	9,2	78	38	64	31,65	46,65	9,9	224010058N	84500093
RNK224.0845.18.4.72.IK	18	54	8,95	78	38	64	31,65	46,65	10	224020058N	84500093
RNK224.0845.18.4.73.IK	18	54	8,7	78	38	64	31,65	46,65	9,9	224030058N	84500093
LNK224.0845.18.5.71.IK	18	54	9,2	78	38	64	31,65	46,65	9,9	224010058N	84500093
LNK224.0845.18.4.72.IK	18	54	8,95	78	38	64	31,65	46,65	10	224020058N	84500093
LNK224.0845.18.4.73.IK	18	54	8,7	78	38	64	31,65	46,65	9,9	224030058N	84500093

...5...IK = Austritt des Kühlmittels über die Unterstüzung

...4...IK = Austritt des Kühlmittels in Kombination von Spannfinger und Unterstüzung

...5...IK = Coolant outlet through the support

...4...IK = Through clamping finger and insert support

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.

The fastening screws are combined with the grooving toolholder - no separate order required.

rechts / links montierbar

right / left to assemble

Wechselklinge D T20 PK verwenden

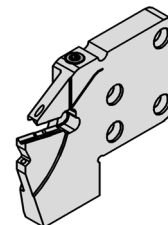
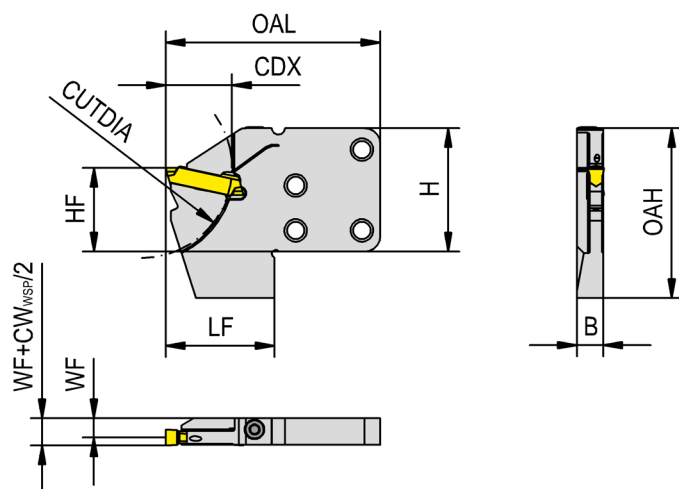
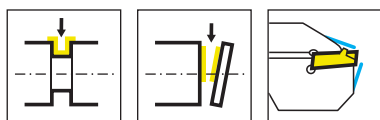
Use blade D T20 PK

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK224...	5.13T20P	T20PQ

S1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK229.0845.25.4.73.IK	25	68	8,7	81	41	64	31,65	46,65	10	229030108N • S229030108N	84500093
RNK229.0845.25.4.74.IK	25	68	8,2	81	41	64	31,65	46,65	10	229040108N • S229040108N	84500093
RNK229.0845.25.4.75.IK	25	68	7,7	81	41	64	31,65	46,65	10	229050108N • S229050108N	84500093
RNK229.0845.25.4.76.IK	25	68	7,2	81	41	64	31,65	46,65	10	229060108N • S229060108N	84500093
LNK229.0845.25.4.73.IK	25	68	8,7	81	41	64	31,65	46,65	10	229030108N • S229030108N	84500093
LNK229.0845.25.4.74.IK	25	68	8,2	81	41	64	31,65	46,65	10	229040108N • S229040108N	84500093
LNK229.0845.25.4.75.IK	25	68	7,7	81	41	64	31,65	46,65	10	229050108N • S229050108N	84500093
LNK229.0845.25.4.76.IK	25	68	7,2	81	41	64	31,65	46,65	10	229060108N • S229060108N	84500093

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.
The fastening screws are combined with the grooving toolholder - no separate order required.

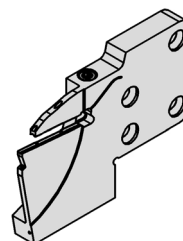
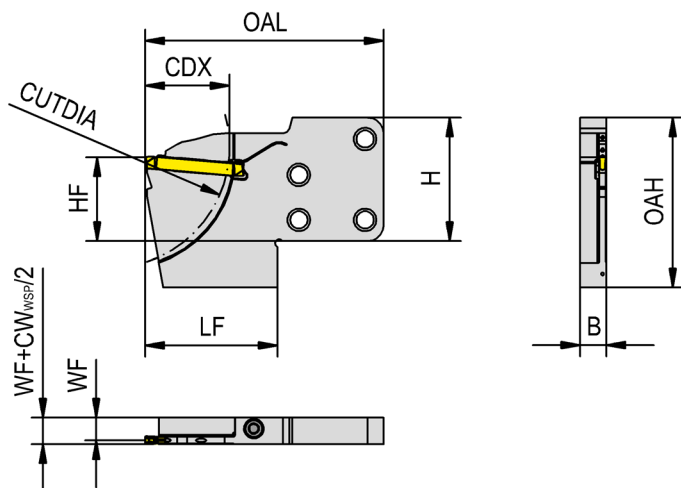
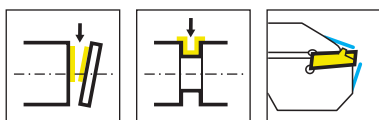
rechts / links montierbar
right / left to assemble

Wechselklinge D T20 PK verwenden
Use blade D T20 PK

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK229...	5.26T20P	T20PQ



S1

R = rechts wie gezeichnet
R = right hand version shown

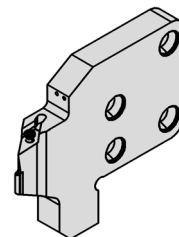
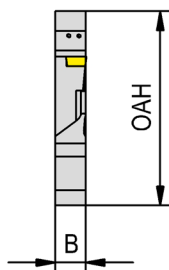
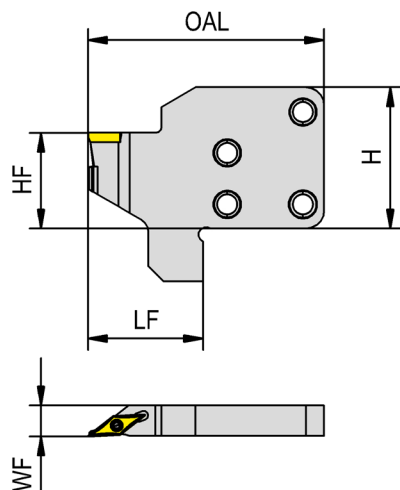
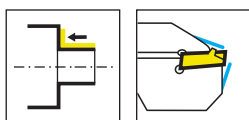
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	CDX	CUTDIA	WF	OAL	LF	OAH	HF	H	B	Trennstelle W Interface W	Trennstelle M Interface M
RNK234.0845.33.4.02.IK	33	80	9	90	50	64	31,65	46,65	10	234010058N	84500093
RNK234.0845.33.4.03.IK	33	80	8,5	90	50	64	31,65	46,65	10	234030058N	84500093
LNK234.0845.33.4.02.IK	33	80	9	90	50	64	31,65	46,65	10	234010058N	84500093
LNK234.0845.33.4.03.IK	33	80	8,5	90	50	64	31,65	46,65	10	234030058N	84500093

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LNK234...	5.13T20P	T20PQ



S1

L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

Artikelnummer Part number	WF	OAL	LF	OAH	HF	H	B	Trennstelle M Interface M
RK845.SDJCR.07.1.2.IK	10,3	78	38	64	31,65	46,65	10,05	84500093
RK845.SVJCR.11.1.2.IK	10,3	78	38	64	31,65	46,65	10,05	84500093
LK845.SDJCL.07.1.2.IK	10,3	78	38	64	31,65	46,65	10,05	84500093
LK845.SVJCL.11.1.2.IK	10,3	78	38	64	31,65	46,65	10,05	84500093

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.
The fastening screws are combined with the grooving toolholder - no separate order required.

rechts / links montierbar
right / left to assemble

Ersatzteile

Spare Parts

Kassette Cassette	Spannschraube Clamping Screw
LK845.SDJCL.07.1.2.IK	001.01.01
LK845.SVJCL.11.1.2.IK	001.01.08
RK845.SDJCR.07.1.2.IK	001.01.01
RK845.SVJCR.11.1.2.IK	001.01.08



TECHNISCHE HINWEISE

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Technologieinformationen
horn-group.com/de/service/
technologieinformationen



Technologie instructions
horn-group.com/service/
technologie-instructions

Anzugsmomente

Torque of Screws



Nachstehende Drehmomente sind für die Spannschrauben zulässig. Wir empfehlen keine zusätzlichen Gleitmittel wie Kupferpaste oder ähnliches für die Schrauben zu verwenden.

Following torques are allowed for screws of inserts. We recommend to use no additional gliding means (such as copper paste) for screws.

Typ Type	Schraube Screw	M _d Nm	Schlüssel Clamping wrench	Klinge Blade
64/65/67/68/99	030.0422.T10P	3,0	T10PL	DT20PK/DKT10PQ
76	030.3509.T15P	5,0	T15PQ	DT15PK
208	4.08.913	3,0	SW3DIN911	DSW30K
210	218.3	7,0	SW6DIN911	DSW60K
211	6.19	3,0	SW3DIN911	DSW30K
213	218.3	7,0	SW6DIN911	DSW60K
214	218.3	7,0	SW6DIN911	DSW60K
214...09	5.32T15P	5,0	T15PQ	DT15PK
218	218.3	7,0	SW6DIN911	DSW60K
219	218.3	7,0	SW6DIN911	DSW60K
221	6.20.70P	5,0	T20PQ	DT20PK
224	5.13T20P	5,0	T20PQ	DT20PK
225	218.3	7,0	SW6DIN911	DSW60K
226	218.3	7,0	SW6DIN911	DSW60K
226.2608...	4.15T15P	5,0	T15PQ	DT15PQ
226.3208...	4.15T15P	5,0	T15PQ	DT15PQ
228	6.20.70P	5,0	T20PQ	DT20PK/DT20PQ
230	5.14	2,5	SW2,5DIN911	DSW25K
232	4.08.913	3,0	SW2,5DIN911	DSW25K
233	5.14	2,5	SW2,5DIN911	DSW25K
234	5.14	2,5	SW2,5DIN911	DSW25K
235	5.14	2,5	SW2,5DIN911	DSW25K
240	5.14	2,5	SW2,5DIN911	DSW25K
245	51.27.984P	4,0	T15PQ	DT15PK
248	5.14	2,5	SW2,5DIN911	DSW25K
250	5.14	2,5	SW2,5DIN911	DSW25K
253	5.14	2,5	SW2,5DIN911	DSW25K
254	5.14	2,5	SW2,5DIN911	DSW25K
255	5.14	2,5	SW2,5DIN911	DSW25K
309	6.25	4,5	SW3DIN911	DSW30K
330	5.12T20P	6,5	T20PQ	DT20PK/DT20PQ
333	5.12T20P	6,5	T20PQ	DT20PK/DT20PQ
340	6.25	4,5	SW3DIN911	DSW30K
356	5.12T20P	6,5	T20PQ	DT20PK/DT20PQ
356.1212.03	5.10T20P	6,5	T20PQ	DT20PK
356.1212.05	030.511P.1176	6,5	T20PQ	DT20PK/DT20PQ

Anzugsmomente

Torque of Screws



Typ Type	Schraube Screw	M _d Nm	Schlüssel Clamping wrench	Klinge Blade
356...45.03	5F.08T20P	5,0	T20PQ	DT20PK/DT20PQ
356.2525.2.13	5.15T20P	6,5	T20PQ	DT20PK/DT20PQ
356....10/...16/...17	5.15T20P	6,5	T20PQ	DT20PK/DT20PQ
357	5.12T20P	6,5	T20PQ	DT20PK/DT20PQ
360	6.25	4,5	SW3DIN911	DSW30K
360.00C	030.0410.T15P	5,0	T15PQ	DT15PK
360.TS	030.0410.T15PQ	6,5	T15PQ	DT15PK
361	030.0422.T10P	3,0	T10PL	DT10PK
368	4.15T15P	4,0	T15PQ	DT15PK
368...10.01	030.0422.T10	4,0	T10PL	DT10PK
368.2608.10.01	010.0004.0536	4,0	T10PL	DT10PK
369	6.25	4,5	SW3DIN911	DSW30K
390	6.25	4,5	SW3DIN911	DSW30K
391.1212...	030.0422.T10P	3,0	T10PL	DT10PK
391.1616...	5.32.3T15P	5,0	T15PQ	DT15PK
391.2...	6.25	4,5	SW3DIN911	DSW30K
849.0226...	6.23T25P	7,0	T25PQ	DT20PK/DT20PQ
AH25A.12...02	5.14T20P	2,5	T20PQ	DT20PK/DT20PQ
AH25A.12...03	5.14T20P	3,0	T20PQ	DT20PK/DT20PQ
AH25A...02	5.13T20P	3,5	T20PQ	DT20PK/DT20PQ
AH25A...03	5.13T20P	3,0	T20PQ	DT20PK/DT20PQ
AK25A...02/...02.IK	5.13T20P	2,5	T20PQ	DT20PK/DT20PQ
AK25A...03/...03.IK	5.13.T20P	3,0	T20PQ	DT20PK/DT20PQ
AK25A...04/...03.IK	5.13.T20P	3,5	T20PQ	DT20PK/DT20PQ
B105	6.075T15P	5,0	T15PQ	DT15PK
BU105	6.075T15P	5,0	T15PQ	DT15PK
B109	6.075T15P	5,0	T15PQ	DT15PK
B110	6.075T15P	5,0	T15PQ	DT15PK
B114	4.12T15EP	5,0	T15PQ	DT15PK
BA114	4.12T15EP	5,0	T15PQ	DT15PK
B209	3.5.12T10EP	2,5	T10PL	DT10PK
B216.0020.1.2...IK	3.5.12T10EP	3,0	T10PL	DT10PK
B229	030.0518.T20P	7,0	T20PQ	DT20PK/DT20PQ
B216...IK	5.13T20EP	6,0	T20PQ	DT20PK/DT20PQ
B223	5.11T15P	3,0	T15PL	DT15PK
B223...K2	4.09T15P	3,0	T15PL	DT15PK
B224.00...	5.13T20EP	6,5	T20PQ	DT20PK/DT20PQ
B224...K2.IK	030.0518.T20P	5,0	T20PQ	DT20PK/DT20PQ



Anzugsmomente

Torque of Screws



Typ Type	Schraube Screw	M _d Nm	Schlüssel Clamping wrench	Klinge Blade
B224.45... B224.60...	6.14T25P	7,0	T25PQ	DT25PK/DT25PQ
BK224	5.13T20EP	6,5	T20PQ	DT20PK/DT20PQ
BK229	5.13T20EP	6,0	T20PQ	DT20PK/DT20PQ
BKT105.1732.00.01.IK	6.075T15P	5,0	T15PQ	DT15PK
E223	5.11T15P	3,0	T15PL	DT15PK
H25A	5.13T20P	3,0	T20PQ	DT20PK/DT20PQ
H25A.12...	5.14T20P	3,0	T20PQ	DT20PK/DT20PQ
H32T	030.2507.T7P	1,5	T7PL	DT7PK
H34T...00.IK/...10.IK	030.4093.T15P	3,0	T15PQ	DT15PK
H34T...20.IK	030.4010.T15P	5,0	T15PQ	DT15PK
H34T...30.IK	030.5012.T15P	6,0	T15PQ	DT15PK
H34T...40.IK	030.5012.T20P	6,0	T20PQ	DT20PK/DT20PQ
H64T...10.IK	030.4010.T15P	4,0	T15PQ	DT15PK
H64T...20.IK	030.4010.T15P	5,0	T15PQ	DT15PK
H66T	030.6014.T20P	5,0	T20PQ	DT20PK
H105	6.075T15P	5,0	T15PQ	DT15PK
H100...01/...11/...21 + IK H100...02/...12/...22 + IK H100...5.23.IK H100...71/...72 H100...71R/L/...72R/L	4.15T15P	5,0	T15PQ	DT15PK
H100...03/...13/...23 H100...04/...14/...24 H100...15 H100...1.23.IK H100...3.22.IK H100.2020.22.IK	5.17T20P	6,5	T20PQ	DT20PK/DT20PQ
H100...04.IK H100...23.IK/...24.IK H100...73.IK/...74.IK	6.23T25P	7,0	T25PQ	DT25PK/DT25PQ
H100...83/...84	030.505P.0718	5,0	T15PQ	DT15PK
H100...83R/L/N/...84R/L/N	030.505P.0660	5,0	T15PQ	DT15PK
H100...93/...93R/L	030.0413.T15P	3,0	T15PQ	DT15PK
H100.2020.3.0.. H100.2525.3.0.. H100.3225.3.0../...38 H100.3225.4.0../...4.1.. H100...08/...10/...12	030.6075.T20P	5,0	T20PQ	DT20PK
H100.3232...	030.0625.T25P	7,0	T25PQ	DT25PK/DT25PQ
H100.52.. H100.2608.2...IK	5.13T20P	5,0	T20PQ	DT20PK/DT20PQ
H223	5.11T15P	3,0	T15PL	DT15PK
H223.2608.../3206...	4.15T15P	5,0	T15PL	DT15PK
H224.1608.02/.23/.24 H224.2608.81/.82/.83	4.15T15P	5,0	T15PQ	DT15PK

Anzugsmomente

Torque of Screws



Typ Type	Schraube Screw	M _d Nm	Schlüssel Clamping wrench	Klinge Blade
H224.2608.01/.02 H224.3208.01/.02/.03	4.20T15P	4,3	T15PL	DT15PK
H224.2608.03	4.20T15P	4,3	T15PQ	DT15PK
H224.3208.93	030.0413T15P	3,0	T15PQ	DT15PK
H224...61/...62/...63/...64+IK	4.12.T15EP	5,0	T15PL	DT15PK
H224.1212.20...	4.12.T15EP	5,0	T15PQ	DT15PK
H224...65/...66/...83R	5.13.T20EP	6,5	T20PQ	DT20PK/DT20PQ
H224...A...IK	6.23T25P	6,0	T25PQ	DT25PK/DT25PQ
H229	6.23T25P	7,0	T25PQ	DT25PK/DT25PQ
H234...02	6.23T25P	4,0	T250Q	DT25PK
H234...03	6.23T25P	6,0	T25PQ	DT25PQ
H234...02.IK	5.13T20P	4,0	T20PQ	DT20PK
H234...03.IK	5.13T20P	6,0	T20PQ	DT20PK
H259	6.23T25P	7,0	T25PQ	DT25PK/DT25PQ
H262	030.2557.T8P	1,0	T8PL	DT8PK
H264	3.5.12T10EP	3,0	T10PL	DT10PK
H271...ES...03	030.260P.1013	1,2	T8PL	DT8PK
H274...6.04/...6.04.M	030.350P.0981	3,0	T15PQ	DT15PK
H274.1010...-...2525...	030.3509.T15P	3,0	T15PQ	DT15PK
H274.0808.04	030.350P.0744	3,0	T15PQ	DT15PK
H274.0808.04.E	030.3507.T15P	3,0	T15PQ	DT15PK
H274...07	030.3513.T15P	3,0	T15PQ	DT15PK
H274.A...	030.3513.T15P	3,0	T15PQ	DT15PK
H274...SF.04/...SF.S4	030.350P.0852	3,0	T15PQ	DT15PK
H315	6.25	4,5	SW3DIN911	DSW30K
H315...IK	5.12T20P	6,5	T20PQ	DT20PK/DT20PQ
H316	5.12T20P	6,5	T20PQ	DT20PK/DT20PQ
HC105	6.075T15P	5,0	T15PQ	DT15PK
HC10	6.075T15P	5,5	T15PQ	DT15PK
HC114	4.12T15EP	5,0	T15PQ	DT15PK
HC316	5.12T20P	6,5	T20PQ	DT20PK/DT20PQ
IB25A.20...IK	5.13T20EP	2,5/3,0/3,5	T20PQ	DT20PK/DT20PQ
IB25A.20.5065.03.IK	5.17T20P	2,5/3,0/3,5	T20PQ	DT20PK/DT20PQ
IB25A.20.6580.04.IK	5.13T20P	2,5/3,0/3,5	T20PQ	DT20PK/DT20PQ
K25A	5.13T20P	2,5/3,0/3,5	T20PQ	DT20PK/DT20PQ
K842.SD	001.01.01	0,9	T8PL	DT8PK
K842.SV	001.01.08	2,0	T8PL	DT8PK
K845.SD	001.01.01	0,9	T8PL	DT8PK
K845.SV	001.01.08	2,0	T8PL	DT8PK



Anzugsmomente

Torque of Screws



Typ Type	Schraube Screw	M _d Nm	Schlüssel Clamping wrench	Klinge Blade
KT274 / KTC274	030.3509.T15P	3,0	T15PQ	DT15PK
L368	4.18T15EP	4,0	T15PQ	DT15PK
LA210	218.3	7,0	SW6.911	DSW60K
LA226	218.3	7,0	SW6.911	DSW60K
LAK220	6.23T25P	7,0	T25PQ	DT25PK/DT25PQ
LAK224	5.13T20P	6,0	T20PQ	DT20PK/DT20PQ
LIK220	6.23T25P	7,0	T25PQ	DT25PK/DT25PQ
LIK224	5.13T20P	6,0	T20PQ	DT20PK/DT20PQ
N849.0117R/L.10.../12...	4.09T15P	5,0	T15PQ	DT15PK
N849.0017R/L.16...	5.12T20P	6,5	T20PQ	DT20PK
N849.0017L/R.20.../26...	6.17T20P	7,0	T20PQ	DT20PK
NK34T.0220.4.00IK/...10.IK	030.4093.15P	3,0	T15PQ	DT15PK
NK34T.0220.4.20.IK	030.4010.T15P	5,0	T15PQ	DT15PK
NK34T.0220.4.30IK/...40.IK	030.5012.T15P	6,0	T15PQ	DT15PK
NK64T	030.4010.T15P	5,0	T15PQ	DT15PK
NK66T	030.6014.T20P	5,0	T20PQ	DT20PK/DT20PQ
NK100.0840...	4.20T15P	3,5	T15PQ	DT15PK
NK100.0840.1.03	4.15T15P	4,3	T15PQ	DT15PK
NK100.0840...16.EK...IK	3.5.12T10P	3,0	T10PL	DT10PK
NK100.0842...	5.13T20P	6,5	T20PQ	DT20PK/DT20PQ
NK100.0845...	5.13T20P	6,5	T20PQ	DT20PK/DT20PQ
NK100.3215...	6.23T25P	7,0	T25PQ	DT25PK/DT25PQ
NK100.5625...	6.17T25P	7,0	T25PQ	DT25PK/DT25PQ
NK100.7025...	6.23T25P	7,0	T25PQ	DT25PK/DT25PQ
NK101.0842...	5.13T20P	6,5	T20PQ	DT20PK/DT20PQ
NK101.0845...	5.13T20P	6,5	T20PQ	DT20PK/DT20PQ
NK220	6.23T25P	7,0	T25PQ	DT25PK
NK234	5.13T20P	4,0/6,0	T20PQ	DT20PK/DT20PQ
NK224.0840...	4.20T15P	4,3	T15PQ	DT15PK
NK224.0840...16.EK...IK	3.5.12T10P	3,0	T10PL	DT10PK
NK224.0842...	5.13T20P	6,5	T20PQ	DT20PK/DT20PQ
NK224.0845...	5.13T20P	6,5	T20PQ	DT20PK/DT20PQ
NK224.3215...	5.13T20P	6,0	T20PQ	DT20PK
NK264	4.20T15P	4,3	T15PQ	DT15PK
NK274	030.3509.T15P	3,0	T15PQ	DT15PK
NK229	5.26T20P	6,5	T20PQ	DT20PK
NK316	5.12T20P	6,0	T20PQ	DT20PK/DT20PQ
NK234	5.13T20P	4,0	T20PQ	DT20PK
NK356	5.12T20P	6,0	T20PQ	DT20PK/DT20PQ

Anzugsmomente

Torque of Screws



Typ Type	Schraube Screw	M _d Nm	Schlüssel Clamping wrench	Klinge Blade
NK360	5.32.3T15P	5,0	T15PQ	DT15PK
NK360.0840.1.01/.02/.03	030.0422.T10P	3,0	T10PQ	DT10PK
NK368.0840...08	030.400P.0602	4,0	T10PQ	DT10PK
NK368.0840...11	030.400P.0602	4,0	T10PQ	DT10PK
NK368	030.0422.0930	3,0	T10PL	DT10PK
N849.0117R.10.00/12.00	4.09T15P	5,0	T15PQ	DT15PK
N849.0117R.16.00	5.12T20P	6,5	T20PQ	DT20PK
N849.0117R.26.00	6.17T20P	7,0	T20PQ	DT20PK
R.76	030.3509.T15P	5,0	T15PQ	DT15PK
R850...05.IK	5.12T20P	6,5	T20PQ	DT20PK
R850	5.15T20P	6,5	T20PQ	DT20PK
RA210	218.3	7,0	SW6.911	DSW60K
RA226	218.3	7,0	SW6.911	DSW60K
RAK220	6.23T25P	7,0	T25PQ	DT25PK/DT25PQ
RAK224	5.13T20P	6,0	T20PQ	DT20PK/DT20PQ
RIK220	6.23T25P	7,0	T25PQ	DT25PK/DT25PQ
RHC274	030.3509.T15P	5,0	T15PQ	DT15PK
RIK224	5.13T20P	6,0	T20PQ	DT20PK/DT20PQ
VDI	6.075T15P	5,0	T15PQ	DT15PK



Längsdrehen

Side Turning

Einstechwerkzeuge von HORN gewährleisten auch bei Formeinstichen mit einseitigen Schnittkräften absolute Form- und Winkelgenauigkeit.

Ein Auslenken der Schneide ist drehtechnisch wünschenswert, beim Einstechen jedoch nicht vertretbar.

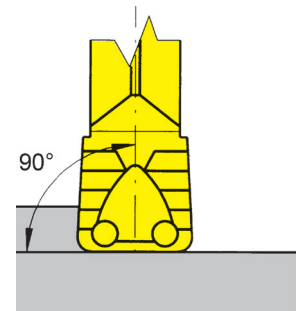
HORN Grooving Tools will give you absolute accuracy of profile and angles, even when profiling with one-sided cutting forces. A flexible cutting edge would be desirable for turning, but not useful for precision grooving.

Bitte beim Einrichten des Werkzeuges beachten:

Richten Sie das Werkzeug (Schneide) stets rechtwinklig zur Werkstückachse aus.

Please note when setting tool:

Always ensure that the tool is perpendicular to the axis of the workpiece.



Unsachgemäße Ausrichtung:

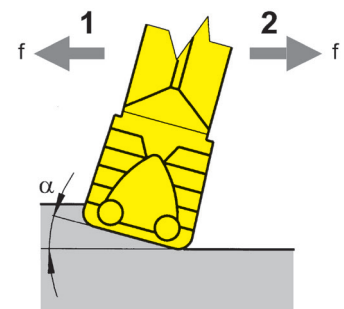
Bei Vorschubrichtung 1 treten Vibrationen auf. Stabile oder stabil gespannte Werkstücke erhöhen die Vibrationsneigung.

Vorschubrichtung 2 ist für das DREHEN ideal und hat auf die Funktionen keine negativen Auswirkungen.

Improper setting:

Feed direction 1 will create vibrations. The tendency to vibrate will increase on rigid workpieces.

Feed direction 2 is suitable for turning and will have no negative effects to the operation.



Einstechwerkzeuge sind kein Ersatz für Drehwerkzeuge mit DIN-Wendeplatten. Bei bestimmten Arbeitsgängen, z.B. beim Auskesseln, können Werkzeugwechselzeiten und damit die Hauptzeit durch Einstechwerkzeuge drastisch gesenkt werden.

The grooving tool should not be seen as a replacement for a turning tool with ISO-inserts. On certain operations, for instance grooving and turning can reduce the number of tool changes and offer reduced cycle time.

Schnitttiefe APM:

Die Schnitttiefe beim Längsdrehen richtet sich nach der Breite der Schneidplatte, dem zu zerspanenden Werkstoff und der Steifigkeit des Werkstücks und wird begrenzt durch die Schneidkantenlänge.

Als Faustformel gilt:

$$\text{APMX} = \text{CW} \times 0,7 \text{ oder max. } 3,0 \text{ mm}$$

$$\text{APMM} = \text{Eckenradius (RE)}$$

Die kleinste Schnitttiefe APMM entspricht dem Eckenradius der Schneidplatte. Bei geringerer Schnitttiefe entstehen ungünstige feine Bandspäne.

Cutting depth APM:

When side turning the cutting depth is dependent upon the width of insert as well as on the material and the rigidity of the workpiece. The max. depth would be limited by the length of the cutting edge.

Rule of thumb for calculation:

$$\text{APMX} = \text{CW} \times 0,7 \text{ or max. } 3,0 \text{ mm}$$

$$\text{APMM} = \text{corner radius (RE)}$$

The smallest cutting depth apmin is governed by the edge radius of the insert. Cutting depth below the corner radius will create poor cutting conditions.

Maximaler Vorschub $f_{\max}$:

Als Faustformel gilt: $f_{\max} = \text{CW} \times 0,1$

Max. feed rate $f_{\max}$:

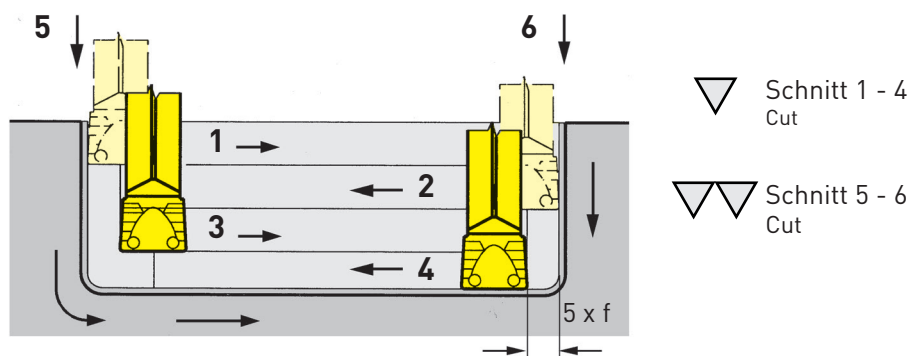
Rule of thumb for calculation: $f_{\max} = \text{CW} \times 0,1$

Bearbeiten zwischen Schultern

Side turning between shoulders

Beim Längsdrehen im Bereich einer Schulter ist stets an der Schulter zu beginnen. Wird zur Schulter hin gedreht, kann diese den Spanablauf ungünstig beeinflussen und es besteht die Gefahr des Plattenbruchs. Beim Auskammern empfiehlt sich, wie vorstehend gezeigt vorzugehen. Schnitt 2 und weitere erfordern einen Abstand von $5 \times f$. So wird vermieden, dass der Span unter die Platte gelenkt wird.

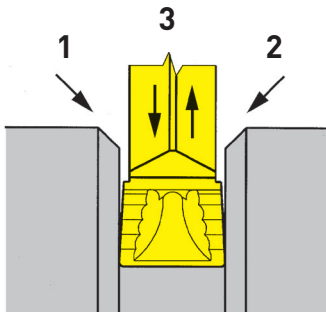
Always start at the shoulder when side turning, towards shoulder. An operation towards the shoulder will influence the run off the chip and creates the risk of insert breaking. Grooving and turning is recommended as shown. Cut 2 and subsequent cuts leave a distance of $5 \times f$ to the shoulder. This cut width will help to prevent swarf being trapped under the advancing cutting edge.



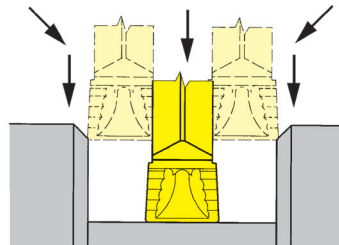
Fasen von Nuten mit Standard-Schneidplatten

Chamfering with standard inserts

Nut entspricht Schneidbreite
Width of groove and insert are equal



Nut breiter als Schneidplatte
Groove wider than insert

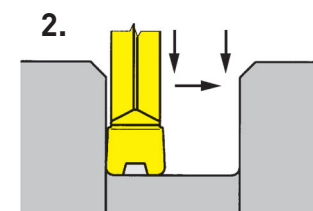
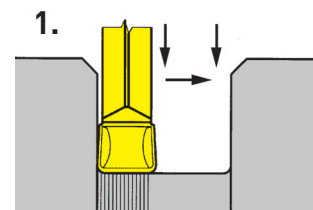


Feinbearbeitung von Nuten (Dichtnuten)

Finishing of Grooves (Sealing Grooves)

Bedingt durch den Arbeitsablauf ergeben sich beim Schlichten von Nuten unterschiedliche Drehbilder (Stechen/Drehen). Dieser oft nur optische Unterschied ist nicht erwünscht. Eine Lösung zeigt Abbildung 2 mit der modifizierten Schneidplatte S224...NC...D2 oder den Schneidplatten S224, S229 und S64T mit Geometrie .FB.

This process requires both turning and grooving where very high quality surface finishes are required. Diagram 2 shows the modified insert type S224...NC...D2 or inserts S224, S229 and S64T with Geometries .FB.



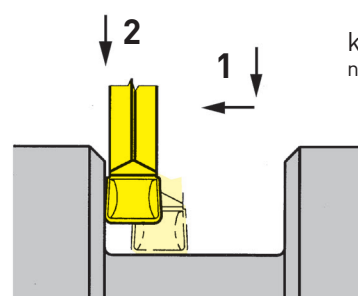
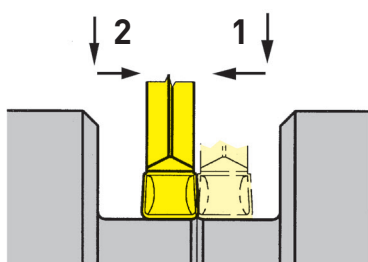
Ringbildung

Swarf ring creation

Ringbildung wird vermieden, wenn keine überlappenden Drehooptionen vorkommen. Die Arbeitsabläufe sind so zu wählen, dass sich der Drehvorgang im überlappenden Bereich durch einen Stechvorgang abschliessen lässt. Je schärfer die Schneidplatte und je kleiner der Schneidenradius ist, desto geringer ist die Neigung zur Ringbildung.

Swarf ring creation can be avoided by turning across the smaller diameter in one continuous pass. Well defined cutting edges and small corner radii will reduce the tendency to create rings.

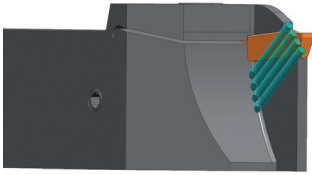
Ringbildung
Ring creation



keine Ringbildung
no ring creation

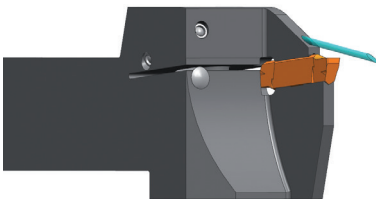
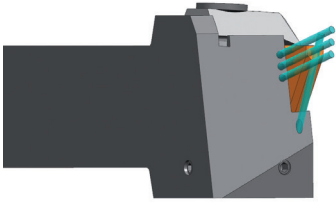
Möglichkeiten des Kühlmittelaustritts

Coolant supply options



Austritt über Fächerdüsen seitlich der Schneidplatte.

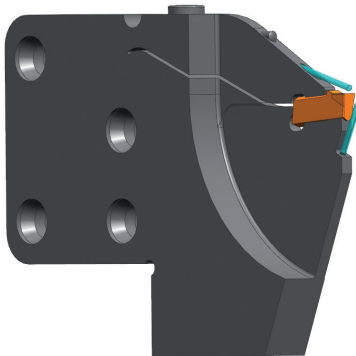
Coolant outlet through spray nozzle at the side of the insert.



S100
S224
S229

Austritt über Spannfinger.

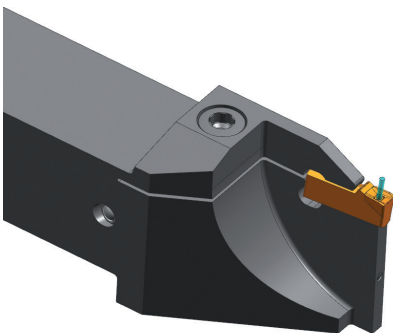
Coolant outlet through clamping finger.



S100
S224
S229

Austritt des Kühlmittels in Kombination von Spannfinger und Unterstützung.

Coolant outlet through clamping finger and insert support.



S100
S224

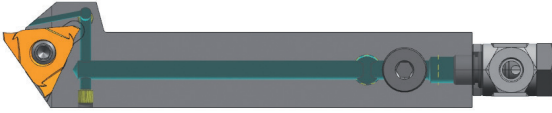
Austritt des KSS durch die Schneidplatte.

Coolant outlet through insert.



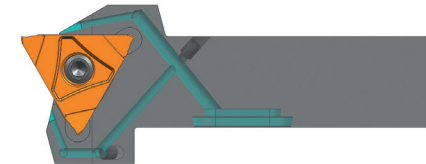
Anschlussvarianten der inneren Kühlmittelzufuhr

Connection types for the internal coolant supply



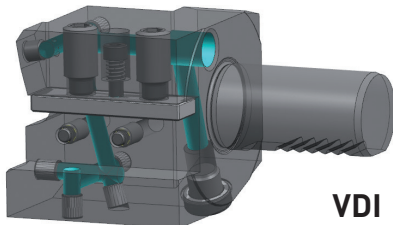
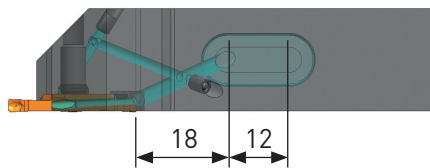
Externer Anschluss, z.B. von mobilen Hochdruckstationen über den Werkzeughalter.

External connection e.g. through high pressure pump to the toolholder.



Interner Anschluss durch den Grundhalter mittels Langloch.

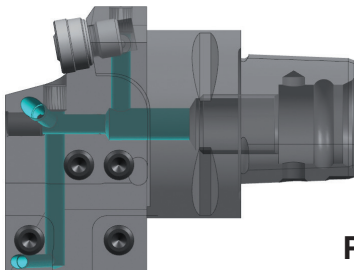
Internal connection through the basic holder per slotted hole.



VDI

Interner Anschluss über den Werkzeugrevolver durch den Werkzeughalter.

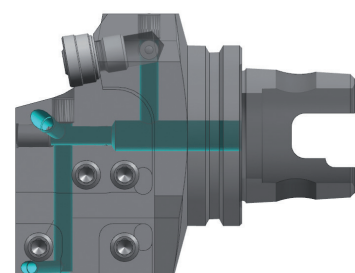
Internal connection through turret to the toolholder.



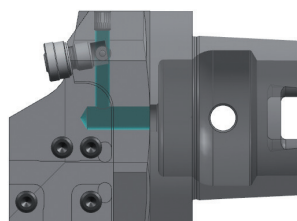
PSC

Interner Anschluss durch den Grundhalter und über eine entsprechende Kassette.

Internal connection through toolholder back-end to the cassette.



TS



HSK



Sortenübersicht

Grade Overview



Beschich- tungsverfahren Coatingprocess	Sortenbezeichnung Gradedesignation		Anwendung Application	P										M										
	HORN	Norm		05	10	15	20	25	30	35	40	45	50	05	10	15	20	25	30	35	40	45	50	
PVD	AS4_ AS6_	HC - P 30	•																					
		HC - M 40	•																					
		HC - K 40	○																					
	DD2_	HC - N 20	•																					
	EG3_	HC - P 25	•																					
		HC - M 40	•																					
		HC - K 35	○																					
	EG5_	HC - P 35	•																					
		HC - M 40	•																					
		HC - K 35	•																					
	ES1_	HC - P 10	•																					
		HC - M 35	•																					
		HC - N 10	○																					
	HP6_	HC - S 5	○																					
		HC - P 25	•																					
		HC - M 40	•																					
		HC - K 35	○																					
	IG3_	HC - S 5	○																					
		HC - P 10	○																					
		HC - M 20	•																					
		HC - K 15	○																					
	IG6_	HC - S 30	•																					
		HC - P 10	○																					
		HC - M 20	•																					
		HC - K 15	○																					
	IG9_	HC - S 30	•																					
		HC - P 35	○																					
	NE2_	HC - M 35	•																					
		HC - N 10	•																					
	SG3_	HC - M 10	•																					
		HC - S 10	•																					
		HC - H 20	•																					
	SG6_	HC - K 20	•																					
		HC - S 10	•																					
		HC - H 20	•																					
	TA4_	HC - P 30	•																					
		HC - M 40	○																					
	TF4_	HC - P 25	•																					
		HC - M 25	•																					
		HC - K 25	•																					
	TH3_	HC - P 30	•																					
		HC - M 40	•																					
		HC - K 40	○																					
	Ti2_	HC - P 45	•																					
		HC - M 45	•																					
	TN3_	HC - P 50	•																					
		HC - K 40	•																					

• Hauptanwendung
Main application

○ Nebenanwendung
Secondary application

	K										N						S										H						Schicht- werkstoff Coating material
	05	10	15	20	25	30	35	40		05	10	15	20	25	30		05	10	15	20	25	30	35	40	45	50	05	10	15	20	25	30	
																																	TiAlN
																																	TiB2
																																	AlTiN+ TiN
																																	AlTiN+ TiN
																																	AlTiN
																																	AlTiN
																																	TiAlSiN
																																	TiAlSiN
																																	TiAlSiN
																																	ta-C
																																	TiAlCrSiN
																																	TiAlCrSiN
																																	TiAlN
																																	AlCrN
																																	TiAlN
																																	TiCN
																																	TiN
	05	10	15	20	25	30	35	40		05	10	15	20	25	30		05	10	15	20	25	30	35	40	45	50	05	10	15	20	25	30	



Sortenübersicht

Grade Overview



Beschich- tungsverfahren Coatingprocess	Sortenbezeichnung Gradedesignation		Anwendung Application	P										M										
	HORN	Norm		05	10	15	20	25	30	35	40	45	50	05	10	15	20	25	30	35	40	45	50	
unbeschichtet uncoated	K10	HC - P 10	•																					
		HC - M 25	•																					
		HC - K 25	•																					
		HC - N 15	•																					
	MG12	HC - P 10	•																					
		HC - M 25	•																					
		HC - K 25	•																					
		HC - N 15	•																					
	P20	HC - P 10	•																					
	H20 / H54	HC - P 25	•																					
				05	10	15	20	25	30	35	40	45	50	05	10	15	20	25	30	35	40	45	50	

- Hauptanwendung
Main application
- Nebenanwendung
Secondary application

Uncoated



DIN ISO 513	Werkstoff Material	Gefüge, Zusammensetzung Structure, Composition	Wärmebehandlung Heat treatment	Zugfestigkeit R _m [N/mm ²] Tensile Strength	Härte (HB) Hardness Brinell	Zerspanungsgruppe VDI3323 Machining group	
P	Unlegierter Stahl, Stahlguss Carbon steel, cast steel	~ 0,15 % C	geglüht / annealed	420	125	P1	
		~ 0,45% C	geglüht / annealed	650	190	P2	
		~ 0,45% C	vergütet / quenched	850	250	P3	
		~ 0,75% C	geglüht / annealed	910	270	P4	
		~ 0,75% C	vergütet / quenched	1000	300	P5	
	Niedrig legierter Stahl, Stahlguss Alloyed steel, cast steel		vergütet / quenched	600	180	P6	
			geglüht / annealed	930	275	P7	
			vergütet / quenched	1000	300	P8	
			vergütet / quenched	1185	350	P9	
	hochlegierter Stahl, Stahlguss, Werkzeugstahl high alloyed steel, cast steel, tool steel		geglüht / annealed	680	200	P10	
			gehärtet, angelassen hardened, tempered	1100	325	P11	
	Bainitischer Stahl, ultrahochkohlenstoffhaltiger Stahl Bainitic steel, ultra-high carbon steel		Bainitisch vergütet Bainitic quenched	880-1650	260-480	P12	
	Pulvermetallurgische Werkstoffe Powder metallurgical materials		HIP	850-1150	250-340	P13	
	Nichtrostender Stahl Stainless steel	ferritisch/martensitisch martensitic/ferritic	vergütet / quenched	680	200	P14	
		martensitisch / martensitic	vergütet / quenched	810	240	P15	
		martensitisch / martensitic	ausscheidungs- gehärtet precipitation- hardened	1185	350	P16	
M	Nichtrostender Stahl, Stahlguss Stainless steel, cast steel	austenitisch / austenitic	abgeschreckt quenched	600	180	M1	
		austenitisch (superaustenitisch) austenitic (superaustenitic)	ausscheidungs- gehärtet precipitation-hardened			M2	
		austenitisch-ferritisch (Duplex) / austenitic-ferritic	lösungsgeglüht solution			M3	
		austenitisch-ferritisch (Superduplex) austenitic-ferritic	lösungsgeglüht solution			M4	
		hitzebeständiger, austeniti- scher Stahl / heat-resistant austenitic steel	gegossen / cast			M5	

Hinweis Startwerte:

Die Startwerte betragen ca. 80% der max. Schnittgeschwindigkeitsempfehlung.
Sie sind bei Bedarf und je nach Gegebenheiten, nach unten oder oben anzupassen.

Note on start values:

The start values are approximately 80% of the recommended maximum cutting speed. They should be adjusted up or down as needed and depending on the circumstances.

vc (m/min) Startwerte / Start values															
	K10 MG12	AS4_ AS6_	DD2_	EG3_ EG5_	ES1_	H20 IG6T	HP6_	IG3_ IG_6	IG9_	SG3_	TH3_	TI2_	TN3_	AC9_	
		220		220	220	320	220	270	290		220	210	160	220	
		200		200	200	320	200	260	270		200	180	130	200	
		200		200	200	320	200	260	270		200	180	130	200	
		200		200	200	320	200	260	270		200	180	130	200	
		170		170	170	320	170	220	240		170	150	120	170	
		180		180	180	320	180	240	260		180	160	120	180	
		170		170	170	320	170	220	240		170	150	110	170	
		150		150	150	280	150	200	220		150	140	100	150	
		150		150	150	280	150	180	200		150	140	100	150	
		160		140	160	200	140	180	200		160	140	100	160	
		150		150	150	200	150	200	220		150	140	100	150	
				100	100	200	100	120	140	120				100	
				100			100	120	140						
				80		160	80	90	100	90					
						160		100	110	100					



Schnittdaten
horn-group.com/de/service/technologieinformationen/schnittdaten



Cutting data
horn-group.com/service/technical-instructions/cutting-data

DIN ISO 513	Werkstoff Material	Gefüge, Zusammensetzung Structure, Composition	Wärmebehandlung Heat treatment	Zugfestigkeit R _m [N/mm ²] Tensile Strength	Härte (HB) Hardness Brinell	Zerspanungsgruppe VDI3323 Machining group	
K	Gusseisen mit Lamellengraphit, Grauguss (GCI) Cast iron with lamellar graphite, grey cast iron	ferritisch/perlitisch ferritic/perlitic			180	K1	
		perlitisch (martensitisch) perlitic(martensitic)			260	K2	
	Gusseisen mit Kugelgraphit (GJS) / Ductile iron	ferritisch / ferritic			160	K3	
		perlitisch /perlitic			250	K4	
	Temperguss (MCI) Malleable cast iron	ferritisch / ferritic			130	K5	
		perlitisch / perlitic			230	K6	
	Kompaktierte Eisengrafite GGV (CGI) Compacted graphite iron	ferritisch, perlitisch oder perlitisch/ferritisch ferritic, perlitic or ferritic/perlitic				K7	
	wärmebehandelter Kugelgraphitguss (ADI) heat-treated ductile iron	austenitisch-ferritisch austenitic-ferritic			250-480	K8	
N	Al-Knetlegierungen Al-wrought alloys	aushärtbar / hardenable	ausgehärtet hardened		60	N1	
		nicht aushärtbar non-hardenable			100	N2	
	Al-Gusslegierungen Al-cast-alloy	≤ 12% Si nicht aushärtbar non-hardenable	ausgehärtet hardened		75	N3	
		≤ 12% Si aushärtbar hardenable			90	N4	
		> 12% Si aushärtbar hardenable			130	N5	
	Kupfer und Kupferlegierungen (Bronze/Messing) Copper and copper alloys (bronze/brass)	Automatenlegierungen Free-machining alloys > 1% Pb			110	N6	
		CuZn CuSnZn (Messing Rotguss) / (Brass red brass)			90	N7	
		CuSn (Bronze) bleifreies Kupfer, Elektrolytkupfer (bronze) lead-free copper, electrolytic copper			100	N8	
	Magnesiumlegierungen Magnesium alloys	druckgegossen / die-cast				N9	

	vc (m/min) Startwerte / Start values														
	K10 MG12	AS4_ AS6_	DD2_	EG3_ EG5_	ES1_	H20 IG6T	HP6_	IG3_ IG_6	IG9_	SG3_	TH3_	TI2_	TN3_	AC9_	
	70	160		160			160	200	220	200	160		110		
	70	130		130			130	180	190	180	130		90		
		140		140			140	190	210	190	140		90		
		130						160	180	160	130				
		180		180			180	220	240	220	180		120		
		150		150			150	200	220	200	150		100		
		100		100			100				100		60		
	480		800			400									
	320		480			280									
	480		800			400									
	480		320			280									
	160		320												
	160		240												
	160		200												



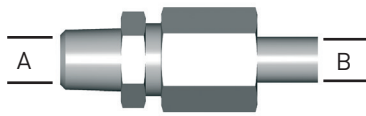
DIN ISO 513	Werkstoff Material	Gefüge, Zusammensetzung Structure, Composition	Wärmebehandlung Heat treatment	Zugfestigkeit R_m [N/mm ²] Tensile Strength	Härte (HB) Hardness Brinell	Zerspanungsgruppe VDI3323 Machining group	
S	Speziallegierungen Special alloys	Fe-Basis Fe-base	geglüht / annealed		200	S1	
			ausgehärtet hardened		280	S2	
		Co-Basis Co-base	geglüht / annealed		250	S3	
			ausgehärtet hardened		350	S4	
			gegossen / cast		320	S5	
		Ni-Basis Ni-base	geglüht / annealed		250	S6	
			ausgehärtet hardened		350	S7	
			gegossen / cast		320	S8	
	Titan, Titanlegierungen Titanium, titanium alloys	Reintitan / Pure titanium		400		S9	
		Alpha-/Beta-Legierungen Alpha/beta alloys	ausgehärtet hardened	1050		S10	
		Beta-Legierungen Beta alloys		1390		S11	
H	Gehärteter Stahl Hardened steel		gehärtet und angelassen hardened and tempered		55 HRC	H1	
					60 HRC	H2	
					>60 HRC	H3	
	Hartguss Chilled cast iron		gegossen / cast		400	H4	
	Gehärtetes Gusseisen Hardened cast iron		gehärtet und angelassen hardened and tempered		55 HRC	H5	
	Aufschweißungen und Hartlegierungen Welded coatings and hard alloys	Fe-, Ni-, CR-, W-, Mo-Basis Fe-, Ni-, CR-, W-, Mo-base				H6	
	Verbundwerkstoffe Composite materials	Hartmetall Carbide	gesintert / sintered			H7	
O	nicht metallische Werkstoffe non-metallic materials	Kunststoff, unverstärkt Plastics, unreinforced				O1	
		Kunststoff, verstärkt Plastics, reinforced	GFRP, CFRP			O2	
		Graphit / Graphite				O3	
		Keramik / Ceramics	gesintert / sintered			O4	

	vc (m/min) Startwerte / Start values														
	K10 MG12	AS4_ AS6_	DD2_	EG3_ EG5_	ES1_	H20 IG6T	HP6_	IG3_ IG_6	IG9_	SG3_	TH3_	TI2_	TN3_	AC9_	
	40							60	80						
	40							40	60						
	40							60	70						
	40							50	60						
	40														
	40														
	40							120	140						
	40							60	80						
	40							40	60						
								40	60						
	120														
	120														



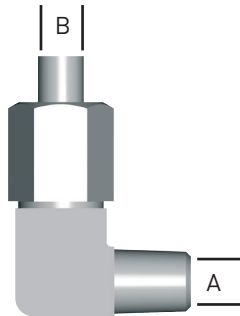
Kühlmittelanschluss Standard für Rohr Ø 6 mm

Standard connection for coolant supply for pipe Ø 6 mm



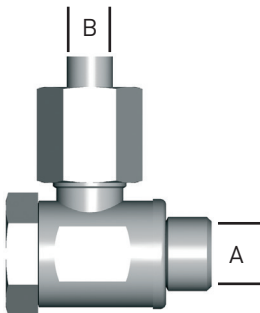
Kühlmittelanschluss, gerade
Connection for coolant
supply, straight screwed

A	B	Bestellnummer Part number
M8 x 1	Ø 6 mm	004.00.19
G1/8"	Ø 6 mm	004.00.14



Kühlmittelanschluss,
winkelig fest
Connection for coolant
supply, angled and fix

A	B	Bestellnummer Part number
M8 x 1	Ø 6 mm	004.00.22
G1/8"	Ø 6 mm	004.00.33



Schwenkverschraubung
Swivelling screw-fitting

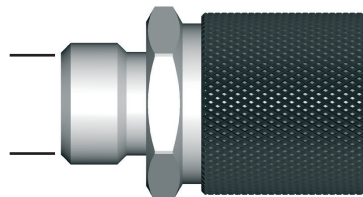
A	B	Bestellnummer Part number
M8 x 1	Ø 6 mm	004.00.61
G1/8"	Ø 6 mm	004.00.16

Kühlmittelanschluss Schnellkupplung

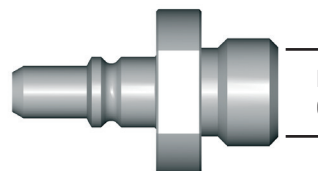
Clip connection for coolant supply

Schnellkupplung
Quick connector

M10 x 1 - 004.00.49

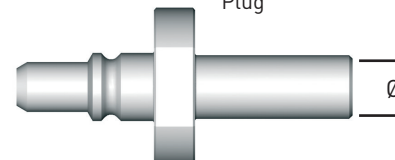


Stecker
Plug



M8 x 1 - 004.00.56
G1/8" - 004.00.57

Stecker
Plug



Ø 6 mm - 004.00.59

Parameter	Definition	
APMX	Einstechtiefe, max. (imperial)	Depth of cut maximum
B	Schaftbreite	Shank width
BCH	Eckenfasenlänge	Corner chamfer length
BD	Körperdurchmesser	Body diameter
BD1	Körperdurchmesser 1	Body diameter
BD2	Körperdurchmesser 2	Body diameter 2
BHTA	Kegeleinstellwinkel	Body half taper angle
BW	Schneidenplattenbreite	Insert body width
CDX	Schnitttiefe, max.	Cutting depth maximum
CEDC	Anzahl Schneiden	Cutting edge count
CF	Spitzenfase	Spot chamfer
CFL	Spannflächenlänge	Clamping surface length
CFS	Spannflächenstart	Clamping surface start
CHWL	Eckenfasenbreite, links	Corner chamfer width left hand
CHWR	Eckenfasenbreite, rechts	Corner chamfer width right hand
CHWTL	Flankenfasenbreite, links	Flank chamfer width, left
CHWTR	Flankenfasenbreite, rechts	Flank chamfer width, right
CUTDIA	Werkstückdurchmesser max.	Work piece parting diameter maximum
CW	Schnittbreite, Nennmaß	Cutting width
CWN	Schnittbreite, min	Cutting width minimum
D1	Durchmesser Befestigungsbohrung	Fixing hole diameter
DAH	Durchmesser Zugangsbohrung	Diameter access hole
DAXN	Mindestaußendurchmesser der Axialnut	Axial groove outside diameter minimum
DAXX	Maximaler Außendurchmesser der Axialnut	Axial groove outside diameter maximum
DBC	Lochkreisdurchmesser 2	Hole circle diameter 2
DBHC	Lochkreisdurchmesser 1	Hole circle diameter 1
DC	Schneidendurchmesser	Cutting diameter
DCCB	Senkungsdurchmesser Anschlussbohrung	Counterbore diameter connection bore
DCF	Funktionsdurchmesser	Cutting diameter face contact
DCINTF	Umbruchdurchmesser	Breakover diameter
DCONMS	Aufnahmedurchmesser, maschinenseitig	Connection diameter machine side
DCX	Schneidendurchmesser, max.	Cutting diameter maximum
DF	Flanschdurchmesser	Flange diameter
DG	Messmittel, Durchmesser	Measuring device, diameter
DHUB	Nabendurchmesser	hub diameter
DMIN	Bohrungsdurchmesser, min.	Minimum bore diameter
DN	Halsdurchmesser	Neck diameter
DRVS	Schlüsselweite	Wrench size
F6	Positionierung Schneidkörper	Positioning of cutting body



Parameter	Definition	
FW	Breite Abflachung	Flat width
GAN	Spanwinkel	Insert rake angle
H	Schafthöhe	Shank height
HBH	Kopf-Boden-Versatzhöhe	Head bottom offset height
HBL	Kopf-Boden-Versatzlänge	Head bottom offset length
HF	Funktionshöhe	Functional height
HORN-NMOD	Normalmodul	Normal module
HORN-NTP	Zähnezahl	Number of teeth
HORN-NTPMN	Zähnezahl max.	Max. number of teeth
HORN-NTPMX	Zähnezahl min.	Min. number of teeth
HTPRM	Prismenhöhe	Prism height
IC	Eingeschriebener Kreis	Inscribed circle diameter
INSL	Schneidplattenlänge	Insert length
KAPR	Einstellwinkel	Tool cutting edge angle
KCH	Eckenfasenwinkel	Corner chamfer angle
KCHL	Eckenfasenwinkel, links	Corner chamfer left hand
KCHR	Eckenfasenwinkel, rechts	Corner chamfer right hand
KCHTL	Flankenfasenwinkel, links	Flank chamfer angle left hand
KCHTR	Flankenfasenwinkel, rechts	Flank chamfer angle right hand
L	Schneidkantenlänge	Cutting edge length
LAMS	Neigungswinkel	Inclination angle
LBD1	Länge Körperdurchmesser 1	Body length diameter 1
LBD2	Länge Körperdurchmesser 2	Body length diameter 2
LCCB	Senktiefe Aufnahmebohrung	Counterbore depth connection bore
LE	Effektive Schneidenlänge	Cutting edge effective length
LF	Funktionslänge	Funktional length
LH	Kopflänge	Head length
LPR	Kraglänge	Protruding length
LS	Schaftlänge	Shank length
LU	Nutzlänge	Usable length
NOT	Anzahl Schneiden	Number of cutting edges
OA	Gesamthöhe	Overall height
OAL	Gesamtlänge	Overall length
OAW	Gesamtbreite	Overall width
PAL	Profilwinkel, links	Profile angle left hand
PAR	Profilwinkel, rechts	Profile angle right hand
PDPT	Profiltiefe Schneidplatte	Profile depth insert
PDX	Profilabstand x	Profile distance X
PNA	Profilwinkel	Profile included angle

Werkzeugparameter nach ISO 13399

Tool parameters according to ISO 13399



Parameter	Definition	
PRFA	Profilwinkel	Profile angle
PRFA2	Profilwinkel 2	Profilwinkel 2
PRFRAD	Profilradius	Profile radius
PSIR	Hauptschneidenwinkel	Tool lead angle
PSIRL	Hauptschneidenwinkel, links	Cutting edge angle major left hand
PSIRR	Hauptschneidenwinkel, rechts	Cutting edge angle major right hand
RADH	Radialhöhe	Radial height
RADW	Radialbreite	Radial width
RAL	Nebenschneidenfreiwinkel, links	Relief angle left
RE	Eckenradius	Corner radius
RE2	Eckenradius	Corner radius
REL	Eckenradius, links	Corner radius left hand
RER	Eckenradius, rechts	Corner radius right hand
RETL	Flankenradius, links	Flank radius left hand
RETR	Flankenradius, rechts	Flank radius right hand
RMPX	Eintauchwinkel, max.	Ramping angle maximum
RPMX	Drehzahl, max.	Rotational speed maximum
RTRG	Breite Sicherungsring	Wide retaining ring
S	Schneidkantenhöhe	Cutting edge height
S1	Schneidplattendicke gesamt	Insert thickness total
SW	Schlüsselweite	Wrench size
THSZMS	Aufnahmegewindenenngröße, maschinenseitig	Connection thread nominal size workpiece side
THSZWS	Aufnahmegewindenenngröße, werkstückseitig	Connection thread nominal size workpiece side
TP	Gewindesteigung	Thread pitch
TPI	Gangzahl je inch	Threads per inch
TPIN	Gangzahl je inch, min.	Threads per inch minimum
TPIX	Gangzahl je inch, max.	Threads per inch maximum
TPN	Gewindesteigung, min.	Thread pitch minimum
TPX	Gewindesteigung, max.	Thread pitch maximum
W1	Schneidplattenbreite	Insert width
WB	Grundkörperbreite	Body width
WF	Funktionsbreite	Functional width
WFA	Maß a an Funktionsbreite	Dimension a at functional width
ZEFF	Anzahl wirksamer Schneiden, stirnseitig	Face effective cutting edge count
ZEFP	Anzahl wirksamer Schneiden, umfangseitig	Peripheral effective cutting edge count
ZNF	Anzahl der frontseitig montierten Schneidplatten	Face mounted insert count

Drehmoment-Schraubendreher Torque screw driver	Artikelnummer Article number	Drehmoment Torque (Nm)
	D041VL	0,4-1
	D15VL	1-5
	D28VL	2-7
	D515QL	5-14

Einstellwerkzeug für Drehmoment- Schraubendreher Device for setting the required torque	Artikelnummer Article number	Verwendbar für Usable for
	ED28VL	D041VL D15VL D28VL
	ED515QL	D515QL

Wechselklinge für TORX PLUS® Schrauben Blade for TORX-Plus® screws	Artikelnummer Article number	Verwendbar für Usable for
	DT6PK DT7PK DT8PK DT9PK DT10PK DT15PK DT20PK DT25PK	D041VL D15VL D28VL
	DT15PQ DT20PQ DT25PQ DT27PQ DT30PQ	D515QL

Wechselklinge für Torx-Schrauben Blade for Torx screws	Artikelnummer Article number	Verwendbar für Usable for
	DT6K DT8K DT15K DT20PK DT25PK	D041VL D15VL D28VL

Wechselklinge für Innensechskantschrauben Blade for allen screws	Artikelnummer Article number	Verwendbar für Usable for
	DSW15K DSW20K DSW25K DSW30K DSW40K	D041VL D15VL D28VL
	DSW50K DSW60K	D515QL





Universal-Bithalter Universal Bitholder	Artikelnummer Article number	Verwendbar für Usable for
	D14ZBK	D041VL D15VL D28VL
	D14ZBQ	D515QL

Bithalter mit Quergriff Bitholder with T-handle	Artikelnummer Article number	Verwendbar für Usable for
	14ZQK	C6,3 und /and E6,3(1/4") Bits

Stiftschlüssel für TORX PLUS® Schrauben Wrench for TORX PLUS® Screws	Artikelnummer Article number	Verwendbar für Usable for
	T6PW T7PW T8PW T9PW T10PW T15PW T20PW T25PW T30PW	alle TORX PLUS®- Schrauben all kind of using TORX PLUS® Screws

Stiftschlüssel für Innensechskant-Schrauben Wrench for allen screws	Artikelnummer Article number	Verwendbar für Usable for
	SW09DIN911 SW 0,9 SW13DIN911 SW 1,3 SW15DIN911 SW 1,5 SW20DIN911 SW 2,0 SW25DIN911 SW 2,5 SW30DIN911 SW 3,0 SW35DIN911 SW 3,5 SW40DIN911 SW 4,0 SW50DIN911 SW 5,0 SW60DIN911 SW 6,0 SW70DIN911 SW 7,0 SW80DIN911 SW 8,0 SW100DIN911 SW 10,0 SW120DIN911 SW 12,0 SW140DIN911 SW 14,0	für alle Schraub- aufgaben all kind of using allen screws





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