



WERKZEUGE SUPERMINI UND MINI INNENBEARBEITUNG

SUPERMINI AND MINI TOOLS
INTERNAL MACHINING

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-group.com/de/eshop/de-DE>



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



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



Markus Horn
Geschäftsführer
Paul Horn GmbH



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
Managing Director
Paul Horn GmbH



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 millimeters (mm), unless otherwise noted.
- **Weitere Abmessungen und Ausführungen sind auf Anfrage erhältlich.**
Further dimensions and versions are available on request.
- **Alle nicht bemaßten Eckenausführungen werden mit einer minimalen Eckfase ausgeführt.**
All corner versions without dimensions are manufactured with a minimum corner chamfer.
- **Alle Hartmetall-Klemmhalter des Systems Mini mit beschädigter Schneidplattenaufnahme können durch unseren Reparaturservice fachgerecht instand gesetzt werden.**
All carbide holders in the Mini system with damaged insert seats can be professionally repaired by our repair service.
-  **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
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technologieinformationen/
werkzeugparameter-iso-13399



ISO 13399
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technologieinformationen/
gewinden



Threads
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technical-instructions/
threads

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

Die Trenstellencodierung 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 Fräterschaft

Example Milling Shank

Artikelnummer Part number	DCONMS	H	OAL	LH	OAW	OA	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

PASSENDE TRENNSTELLE
SUITABLE INTERFACE

Beispiel Schneidplatte

Example Insert

Artikelnummer Part number	DMIN	LU	TPN	TPX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EC35	TN35
R105.0102.2.3	3	15	0,25	0,25	60°	0,3	0,3	1,4	2,7	30	5,9	10512395N	Δ	▲
L105.0102.2.3	3	15	0,25	0,25	60°	0,3	0,3	1,4	2,7	30	5,9	10512395N	Δ	▲

P	●	●
M	●	-
K	●	●
N	o	-
S	-	-
H	-	-

Seitenübersicht – Werkzeughalter

Page Overview - Holder



Werkzeugbenennung
Tool Name

Werkzeugtyp
Tool Type

Kapitel
Chapter

Klemmhalter
Toolholder

B105

ph HORN ph

**Werkzeug-
eigenschaften**
Tool Features

A1

Artikelnummer
Part Number

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
B105.0014.01	16	14	75	12	18	16	50	5	10512395N • 10512495N • 10512595N
B105.0020.01	20	18	90	-	20	20	65	5	10512395N • 10512495N • 10512595N
B105.0022.01	22	20	90	-	22	22	65	5	10512395N • 10512495N • 10512595N
B105.0025.01	25	23	100	-	25	25	65	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

HORN-Trennstellencode
HORN Interface Connection Code

Nummer für die Bestellung eines Werkzeughalters = Artikelnummer

Number to order a toolholder = Part number

B105.0010.01

Artikelnummer
Part Number

Werkzeugbenennung
Tool Name

Werkzeugtyp
Tool Type

Schneidplatte
Insert

105 $\varnothing \geq 3 \text{ mm}$

ph HORN ph

Werkzeug-
eigenschaften
Tool Features

A1 Kapitel
Chapter

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

Artikelnummer Part number	DMIN	LU	TPN	TPX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0205.2.3	3	15	0,5	0,5	60°	0,4	0,35	1,4	2,7	30	5,9	10512395N	▲	▲	▲
L105.0205.2.3	3	15	0,5	0,5	60°	0,4	0,35	1,4	2,7	30	5,9	10512395N	▲	▲	▲

HORN-Trennstellencode
HORN Interface Connection Code

P	▲	▲	▲	▲
M	▲	▲	▲	▲
K	▲	▲	▲	▲
N	▲	▲	▲	▲
S	▲	▲	▲	▲
H	▲	▲	▲	▲

ISO-Werkstoffempfehlung:
ISO Material Recommendation:

- **empfohlen**
recommended
- o **bedingt einsetzbar**
suitable
- **nicht geeignet**
not ideal

Lieferzeit
Delivery Time

Sorten
Grades

Nummer für die Bestellung einer Schneidplatte = Artikelnummer + Sorte

Number to order an insert = Part number + Grade

R105.0205.2.3 EG35

Artikelnummer
Part number

Sorte
Grade

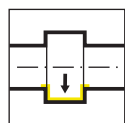
Übersicht – Icons

Overview – Icons

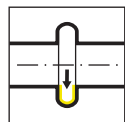


Drehbearbeitungen

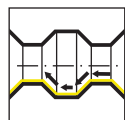
Turning operations



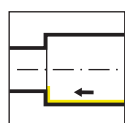
Einstecken innen
Internal grooving



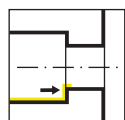
Einstecken innen Vollradius
Internal grooving full radius



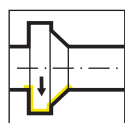
Drehen innen Fase
Internal boring and grooving chamfer



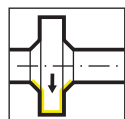
Bohrung Ausdrehen
Internal boring



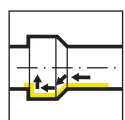
Rückwärtsdrehen innen
Internal back turning



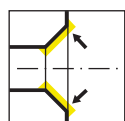
Vorstechen und Fasen innen
Internal pre-grooving and chamfering



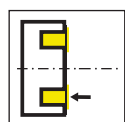
Einstecken mit Fase innen
Internal grooving with chamfer



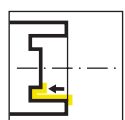
Bohrung Kontur Ausdrehen
Boring and profiling



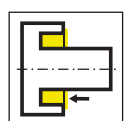
Fasen innen
Internal chamfering



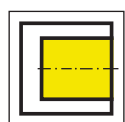
Axialstechen
Face grooving



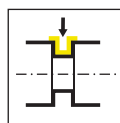
Axialstechen innen vor Mitte
Internal face grooving in front of centre



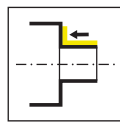
Axialstechen mit Bund
Offset face grooving



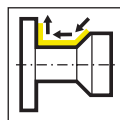
Bohren ins Volle
Boring into solid



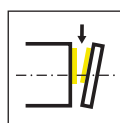
Einstecken außen
External grooving



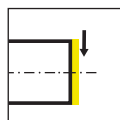
Längsdrehen außen
External side turning



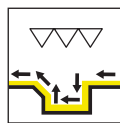
Kopierdrehen außen
External copy turning



Abstechen
Parting off



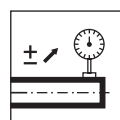
Plandrehen
Face turning



Feindrehen
Fine turning



Hartbearbeitung
Hard machining



Einrichten des Werkzeugs
Setup of the tool



Seegerringnuten
Circlip grooves

Gewindebearbeitungen

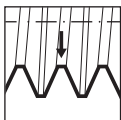
Thread operations



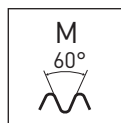
Gewinde Teilprofil
Partial profile thread



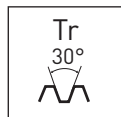
Gewinde Vollprofil
Full profile thread



Gewinde innen
Internal thread



Metrisches ISO-Gewinde
Metric ISO thread



Trapezgewinde
Trapezoidal thread



National pipe thread



Unified-Gewinde
Unified thread



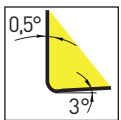
Whitworth-Rohrgewinde
Whitworth pipe thread



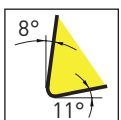
Panzerrohrgewinde
Steel conduit thread

Schneidenausführungen

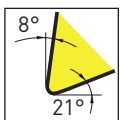
Cutting forms



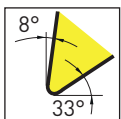
Schneidenwinkel 0,5° / 3°
Cutting angle



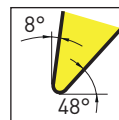
Schneidenwinkel 8° / 11°
Cutting angle



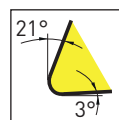
Schneidenwinkel 8° / 21°
Cutting angle



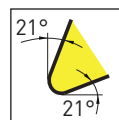
Schneidenwinkel 8° / 33°
Cutting angle



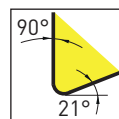
Schneidenwinkel 8° / 48°
Cutting angle



Schneidenwinkel 21° / 3°
Cutting angle



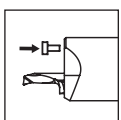
Schneidenwinkel 21° / 21°
Cutting angle



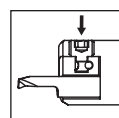
Schneidenwinkel 90° / 21°
Cutting angle

Spannform der Schneidplatte im Halter

Cutting forms



Stirnspannelement
Face clamping



Abhebeelement
Top clamping

Übersicht – Icons

Overview – Icons



Geometrieigenschaften

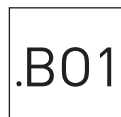
Geometric features



Geometrie D
Geometry D



Superfinish
Superfinish



Geometrie B01
Geometry B01



Geometrie I
Geometry I



Geometrie B02
Geometry B02



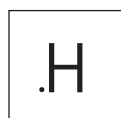
Geometrie R
Geometry R



Geometrie FB
Geometry FB



Geometrie U
Geometry U



Geometrie H
Geometry H



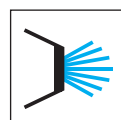
Geometrie GM - Gewindedrehen
Geometry GM - Threading



Geometrie HV
Geometry HV

Allgemeines

Other



mit Innenkühlung
with internal coolant



INHALTSVERZEICHNIS

INDEX

A Supermini Supermini

- A1 System 105 – Bohrung $\varnothing \geq 0,2$ mm, Ausdrehen, Einstechen, Fasen, Gewindedrehen, Axialeinstechen**
System 105 – Bore $\varnothing \geq 0.2$ mm, Boring, Grooving, Chamfering, Threading, Face Grooving
- A2 System 109 – Bohrung $\varnothing \geq 6$ mm, Ausdrehen, Einstechen, Fasen, Gewindedrehen, Axialeinstechen**
System 109 – Bore $\varnothing \geq 6$ mm Boring, Grooving, Chamfering, Threading, Face Grooving
- A3 System 110 – Bohrung $\varnothing \geq 6$ mm, Ausdrehen, Einstechen, Fasen**
System 110 – Bore $\varnothing \geq 6$ mm Boring, Grooving, Chamfering

B Mini Mini

- B1 System 106 – Bohrung $\varnothing \geq 6$ mm, Ausdrehen, Einstechen, Fasen**
System 106 – Bore $\varnothing \geq 6$ mm, Boring, Grooving, Chamfering
- B2 System 107 – Bohrung $\varnothing \geq 7$ mm, Ausdrehen, Einstechen, Fasen, Gewindedrehen**
System 106 – Bore $\varnothing \geq 7$ mm, Boring, Grooving, Chamfering, Threading
- B3 System 108 – Bohrung $\varnothing \geq 7,8$ mm, Ausdrehen, Einstechen, Fasen, Gewindedrehen**
System 108 – Bore $\varnothing \geq 7.8$ mm, Boring, Grooving, Chamfering, Threading
- B4 System 10P – Bohrung $\varnothing \geq 9$ mm, Ausdrehen, Einstechen**
System 10P – Bore $\varnothing \geq 9$ mm, Boring, Grooving
- B5 System 111 – Bohrung $\varnothing \geq 10$ mm, Ausdrehen, Einstechen, Fasen, Gewindedrehen**
System 111 – Bore $\varnothing \geq 10$ mm, Boring, Grooving, Chamfering, Threading
- B6 System 11P – Bohrung $\varnothing \geq 10$ mm, Ausdrehen, Einstechen**
System 11P – Bore $\varnothing \geq 10$ mm, Boring, Grooving
- B7 System 114 – Bohrung $\varnothing \geq 13,8$ mm, Ausdrehen, Einstechen, Fasen, Gewindedrehen, Axialeinstechen**
System 114 – Bore $\varnothing \geq 13.8$ mm, Boring, Grooving, Chamfering, Threading, Face Grooving
- B8 System 116 – Bohrung $\varnothing \geq 16$ mm, Ausdrehen, Einstechen, Fasen, Gewindedrehen**
System 116 – Bore $\varnothing \geq 16$ mm Boring, Grooving, Chamfering, Threading

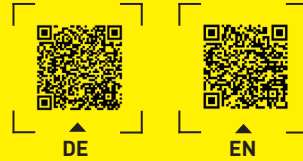
INHALTSVERZEICHNIS

INDEX



Technische Hinweise und Zubehör

Technical Instructions and Accessories



Sortenübersicht

Grade Overview

398

Schnittgeschwindigkeiten

Cutting Speeds

400

Geometrien und Vorschübe Supermini

Geometries and Feed Rates Supermini

406

Geometrien und Vorschübe Mini

Geometries and Feed Rates Mini

410

Technische Informationen Gewindedrehen

Technical Informations Threading

414

Klemmvarianten Halter Supermini

Clamp Options Holder Supermini

416

Anzugsmoment

Torque Specification

417

Werkzeugparameter nach ISO

Tool Parameters according to ISO

418

Zubehör

Accessories

423



SUPERMINI

SUPERMINI

System/System	Seite/Page
105	18
109	176
110	198

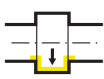
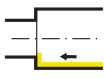
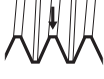
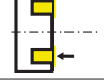
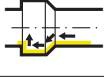
A1

Kapitel Chapter	A			B								
	A1	A2	A3	B1	B2	B3	B4	B5	B6	B7	B8	B9
System System	105	109	110	106	107	108	10P	111	11P	114	116	18P

Ø DMIN

≥ 0,2	•											
≥ 0,5	•											
≥ 0,7	•											
≥ 1,0	•											
≥ 1,5	•											
≥ 2,0	•											
≥ 3,0	•											
≥ 4,0	•											
≥ 5,0	•											
≥ 6,0	•	•	•	•								
≥ 6,5				•								
≥ 6,8	•	•			•							
≥ 7,0	•	•			•							
≥ 7,8						•						
≥ 8,0			•		•	•						
≥ 9,0							•					
≥ 10,0			•				•	•	•			
≥ 10,5									•			
≥ 11,0								•				
≥ 11,5									•			
≥ 13,8										•		
≥ 14,0										•		
≥ 15,5											•	
≥ 16,0										•	•	
≥ 16,5										•		
≥ 17,5												•
≥ 18,0												•
≥ 20,0												•

Bearbeitung / Machining

	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•			•	•		•		•	•	
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	•	•	•							•		
	•	•	•	•	•	•	•	•	•	•	•	•

105

A1



Klemmhalter und Schneidplatten

ab Bohrung Ø 0,2 mm

Toolholder and Inserts

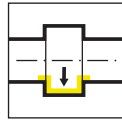
from bore Ø 0,2 mm

Inhaltsangabe

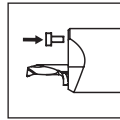
Summary

A1

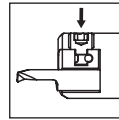
Klemmhalter
Toolholder
B105/BU105/H105/
HC105
962/963/AIH/HSKT40/
VDI
B105TS/WFB.105



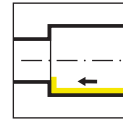
Seite/Page
22-25, 35-41,
46-53, 84-95,
157-159



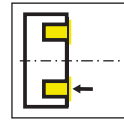
Seite/Page
27-31



Seite/Page
33-34



Seite/Page
96

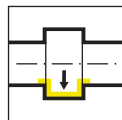


Seite/Page
168

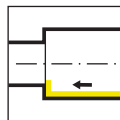
Übersicht
Overview

Seite/Page
26, 32

Grundhalter Graf
Basic toolholder Graf
IR.105/G

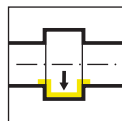


Seite/Page
42-43, 61-62, 66



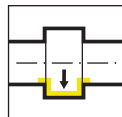
Seite/Page
64, 68, 70

Einbauhalter Graf
Cartridge Graf
IR.105

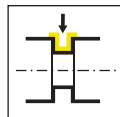


Seite/Page
44-45

Grundhalter
Basic toolholder
HC105/L760/BGT

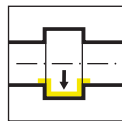


Seite/Page
54, 57, 59-60



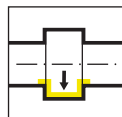
Seite/Page
55

Kassette
Cassette
KC760



Seite/Page
56

Einstellbare Halter
Adjustable holder
BKT/N



Seite/Page
58, 73-82

Technische Hinweise
Technical Instructions

Seite/Page
63, 65, 67, 69, 71

Zwischenstück Graf
Adaptor Graf
Z

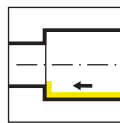


Seite/Page
72

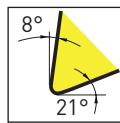
Ersatzteile und Zubehör
Spare Parts and Additional
Equipment

Seite/Page
83

Schneidplatte
Insert
105/S105/A105



Seite/Page
97, 160



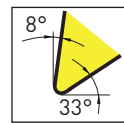
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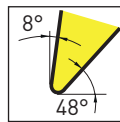
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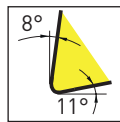
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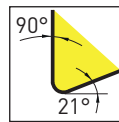
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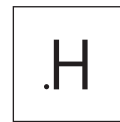
Seite/Page
114



Seite/Page
115-118



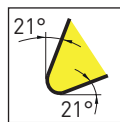
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119-120



Seite/Page
121-122



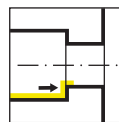
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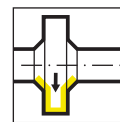
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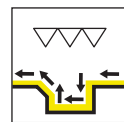
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129



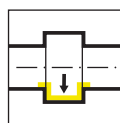
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130



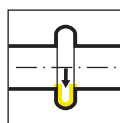
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131



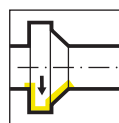
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132



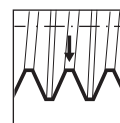
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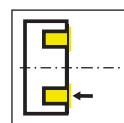
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142-144



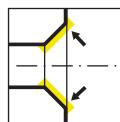
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145



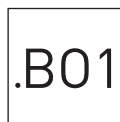
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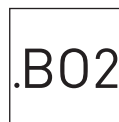
Seite/Page
161-166, 169-170



Seite/Page
167

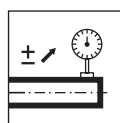


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171



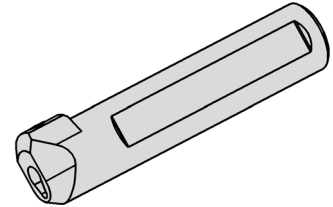
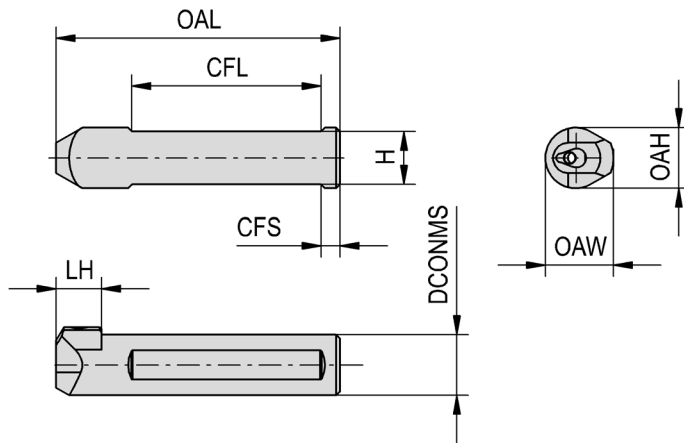
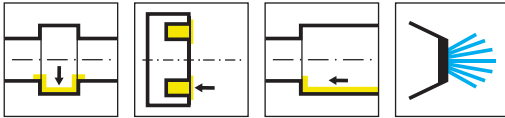
Seite/Page
172

Platte
Insert
105



Seite/Page
173-174

A1

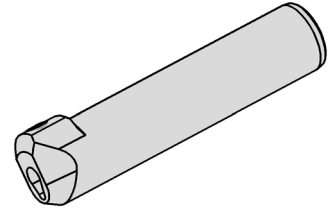
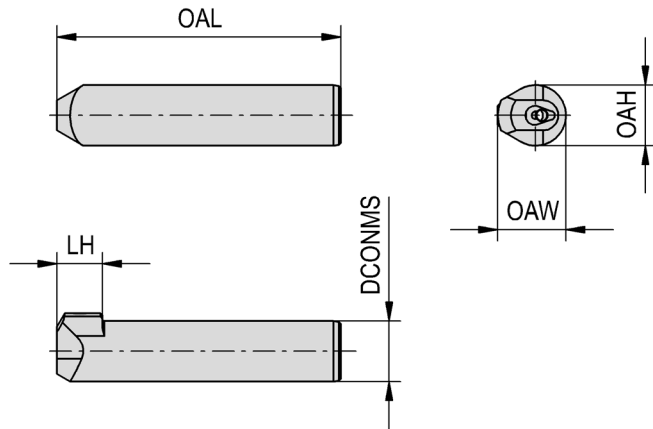
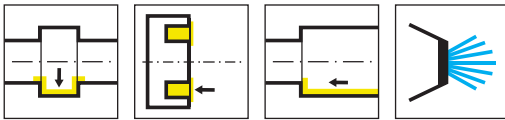


Artikelnummer Part number	DCONMS	H	OAL	LH	OAW	OAH	CFL	CFS	Trennstelle W Interface W
B105.0010.01	10	9	75	12	17	12	50	5	10512395N • 10512495N • 10512595N
B105.0012.01	12	11	75	12	17	12	50	5	10512395N • 10512495N • 10512595N
B105.0016.01	16	14	75	12	18	16	50	5	10512395N • 10512495N • 10512595N
B105.0020.01	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

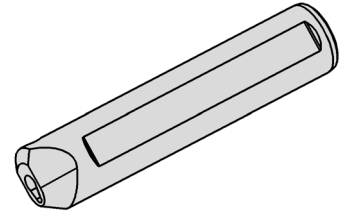
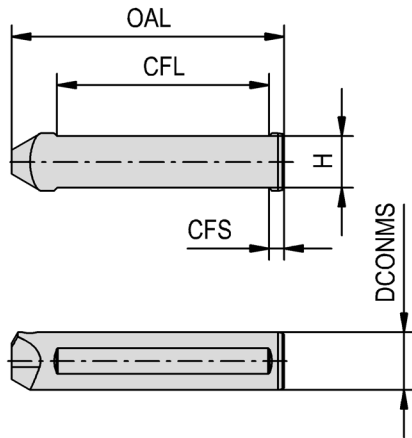
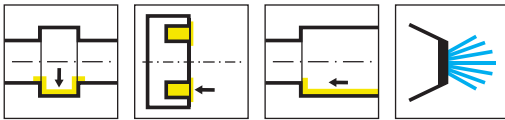


Artikelnummer Part number	DCONMS	OAL	LH	OAW	OAH	Trennstelle W Interface W
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B105.0012.01A	12	75	12	17	12	10512395N • 10512495N • 10512595N
B105.0016.01A	16	75	12	18	16	10512395N • 10512495N • 10512595N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105...	6.075T15P	T15PQ

A1



Artikelnummer Part number	DCONMS	H	OAL	OAW	OAH	HORN- CFL	HORN- CFS	Trennstelle W Interface W
BU105.0750.5.01	3/4"	17,05	90	19,05	19,05	70	5	10512395N • 10512495N • 10512595N
BU105.0750.5.3.01	3/4"	17,05	152,5	19,05	19,05	70	5	10512395N • 10512495N • 10512595N
BU105.1000.5.01	1"	23,4	90	25,4	25,4	65	5	10512395N • 10512495N • 10512595N
BU105.1000.5.3.01	1"	23,4	90	25,4	25,4	65	5	10512395N • 10512495N • 10512595N

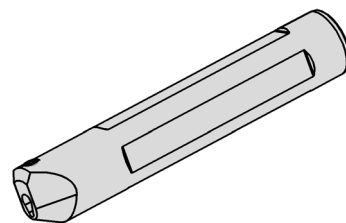
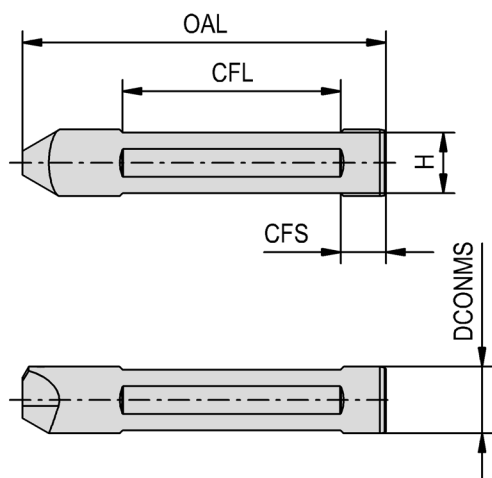
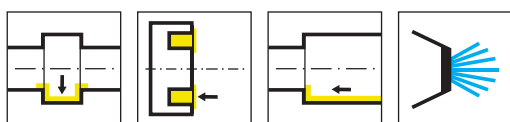
Abmessungen in inch und mm
Dimensions in inch and mm

Kühlmittelanschluss M12x1,5 für Traub Maschinen
Der Kühlmittelanschluss gehört nicht zum Lieferumfang.
Adapter of cooling M12x1,5 for Traub machines
Coolant supply is not included.

Ersatzteile

Spare Parts

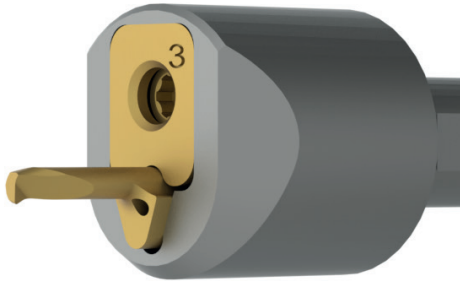
Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
BU105...	6.075T15P	T15PQ



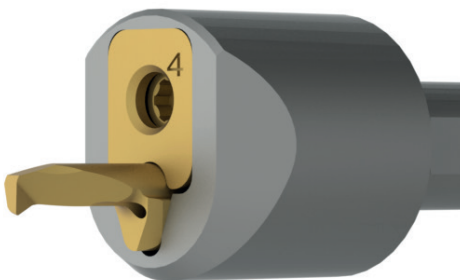
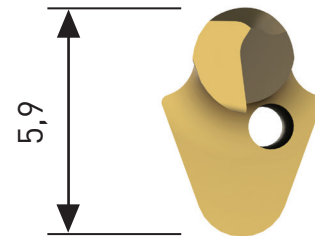
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Ersatzteile
Spare Parts

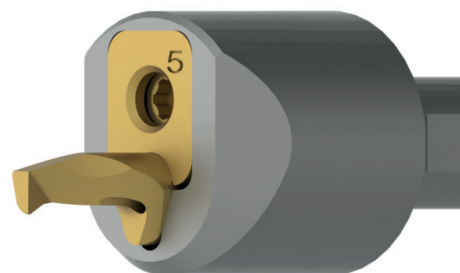
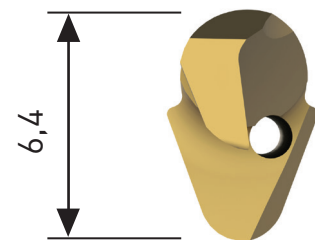
Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105.0022.1.2.01	6.075T15P	T15PQ



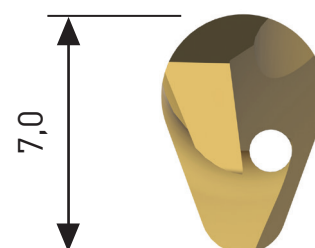
Größe 3 (HWS = 105123)
Size 3

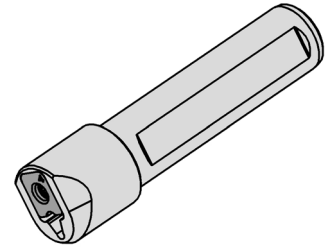
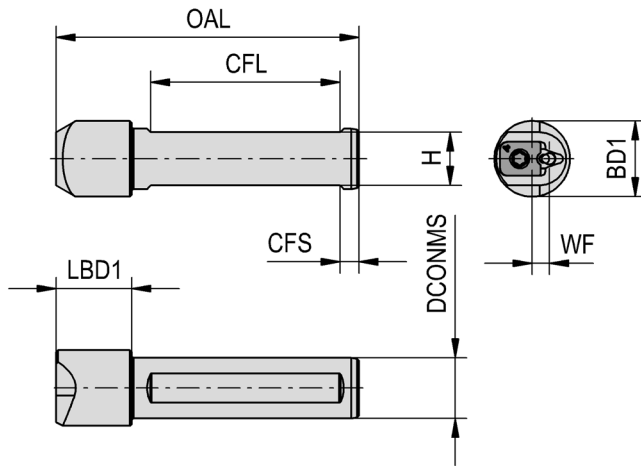
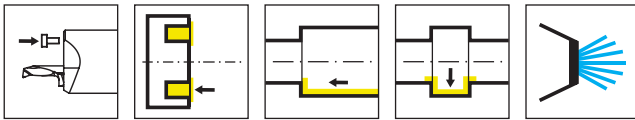


Größe 4 (HWS = 105124)
Size 4



Größe 5 (HWS = 105125)
Size 5



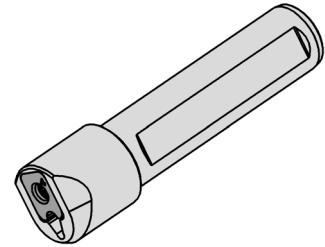
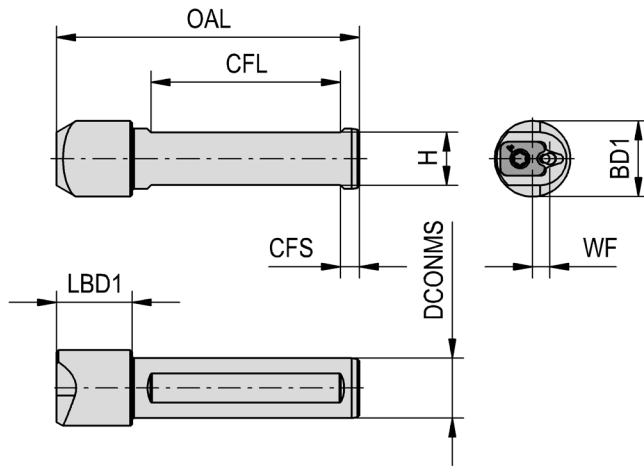
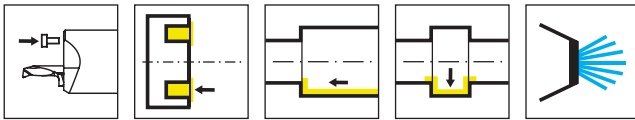


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B105.0012.S.03	12	11	80	20	20	50	5	3	10512395N
B105.0016.S.03	16	14	80	20	20	50	5	3	10512395N
B105.0020.S.03	20	18	90	20	-	55	5	3	10512395N
B105.0022.S.03	22	20	90	22	-	55	5	3	10512395N
B105.0025.S.03	25	23	100	25	-	55	5	3	10512395N
B105.0028.S.03	28	26	120	28	-	55	5	3	10512395N
B105.0010.S.04	10	9	80	20	20	50	5	3	10512495N
B105.0012.S.04	12	11	80	20	20	50	5	3	10512495N
B105.0016.S.04	16	14	80	20	20	50	5	3	10512495N
B105.0020.S.04	20	18	90	20	-	55	5	3	10512495N
B105.0022.S.04	22	20	90	22	-	55	5	3	10512495N
B105.0025.S.04	25	23	100	25	-	55	5	3	10512495N
B105.0028.S.04	28	26	120	28	-	55	5	3	10512495N
B105.0010.S.05	10	9	80	20	20	50	5	3	10512595N
B105.0012.S.05	12	11	80	20	20	50	5	3	10512595N
B105.0016.S.05	16	14	80	20	20	50	5	3	10512495N
B105.0020.S.05	20	18	90	20	-	55	5	3	10512595N
B105.0022.S.05	22	20	90	22	-	55	5	3	10512595N
B105.0025.S.05	25	23	100	25	-	55	5	3	10512595N
B105.0028.S.05	28	26	120	28	-	55	5	3	10512595N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Schraube Screw	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105.0...	030.0000.1157	010.0105.03	T15PL
B105.0...	030.0000.1157	010.0105.04	T15PL
B105.0...	030.0000.1157	010.0105.05	T15PL



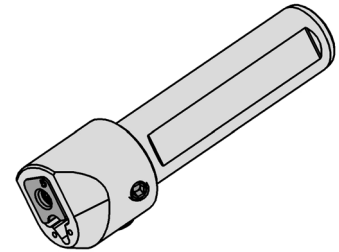
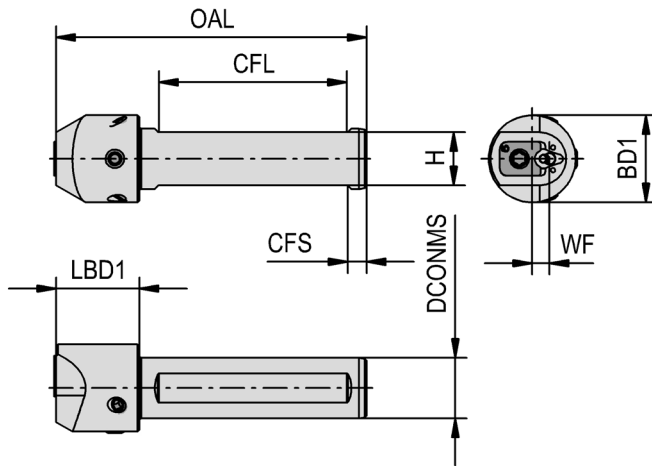
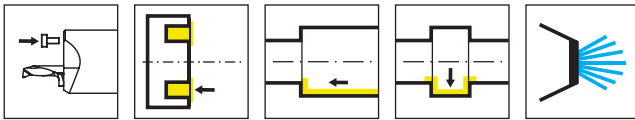
Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	HORN- CFL	HORN- CFS	WF	Trennstelle W Interface W
BU105.0500.S.03	1/2"	10,7	80	20	20	50	5	3	10512395N
BU105.0625.S.03	5/8"	13,87	80	20	20	50	5	3	10512395N
BU105.0750.S.03	3/4"	17,05	90	19,05	-	55	5	3	10512395N
BU105.1000.S.03	1"	23,4	90	25,4	-	55	5	3	10512395N
BU105.0500.S.04	1/2"	10,7	80	20	20	50	5	3	10512495N
BU105.0625.S.04	5/8"	13,87	80	20	20	50	5	3	10512495N
BU105.0750.S.04	3/4"	17,05	90	19,05	-	55	5	3	10512495N
BU105.1000.S.04	1"	23,4	90	25,4	-	55	5	3	10512495N
BU105.0500.S.05	1/2"	10,7	80	20	20	50	5	3	10512595N
BU105.0625.S.05	5/8"	13,87	80	20	20	50	5	3	10512595N
BU105.0750.S.05	3/4"	17,05	90	19,05	-	55	5	3	10512595N
BU105.1000.S.05	1"	23,4	90	25,4	-	55	5	3	10512595N

Abmessungen in inch und mm
Dimensions in inch and mm

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Schraube Screw	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
BU105...	030.0000.1157	010.0105.03	T15PL
BU105...	030.0000.1157	010.0105.04	T15PL
BU105...	030.0000.1157	010.0105.05	T15PL

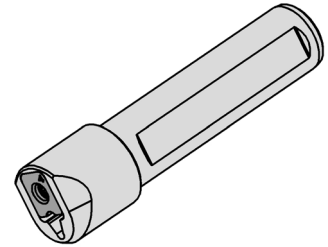
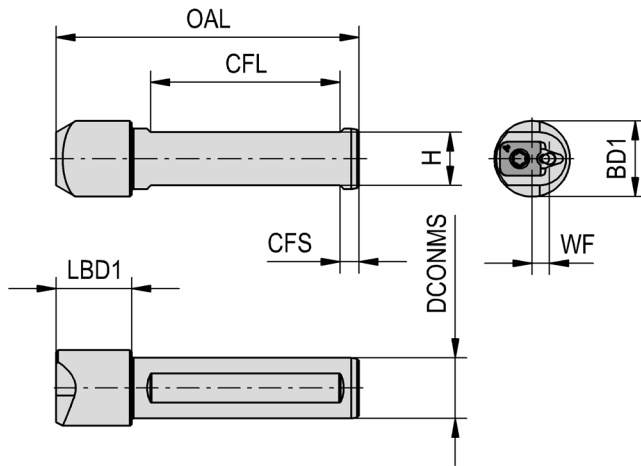
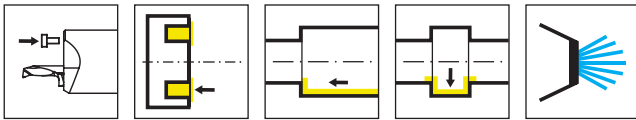


Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	CFL	CFS	WF	Trennstelle W Interface W
B105.0012.K.S.05	12	10	82	23	22	50	5	3	10512595N
B105.0016.K.S.05	16	14	82	23	22	50	5	3	10512595N
B105.0020.K.S.05	20	18	92	23	22	55	5	3	10512595N

regelbarer Kühlmittelaustritt
with additional through coolant outlet

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105...	010.0105.05	T15PL



Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	CFL	CFS	WF	Trennstelle W Interface W
B105.0010.S.SET	10	9	80	20	20	50	5	3	10512395N • 10512495N • 10512595N
B105.0012.S.SET	12	11	80	20	20	50	5	3	10512395N • 10512495N • 10512595N
B105.0016.S.SET	16	14	80	20	20	50	5	3	10512395N • 10512495N • 10512595N
B105.0020.S.SET	20	18	90	20	30	55	5	3	10512395N • 10512495N • 10512595N
B105.0022.S.SET	22	20	90	22	30	55	5	3	10512395N • 10512495N • 10512595N
B105.0025.S.SET	25	23	100	25	40	55	5	3	10512395N • 10512495N • 10512595N
B105.0028.S.SET	28	26	120	28	60	55	5	3	10512395N • 10512495N • 10512595N

Hinweis:

Ein Klemmhalter-Set beinhaltet je 3 Spannelemente

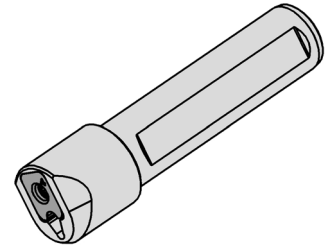
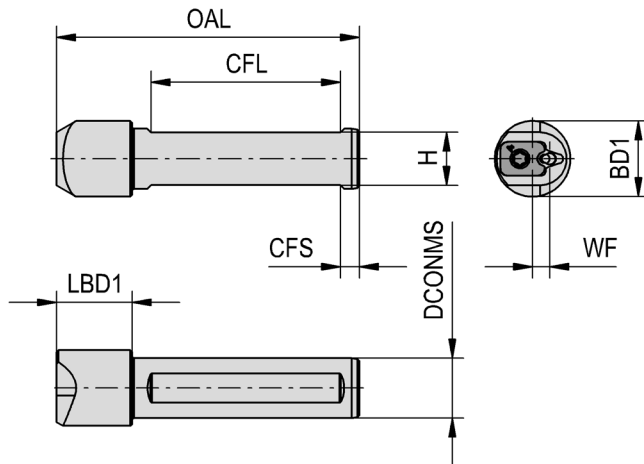
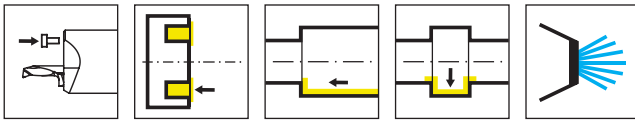
Note:

One toolholder set includes 3 clamping elements each

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Schraube Screw	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105...	030.0000.1157	010.0105.03	T15PW



Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	HORN- CFL	HORN- CFS	WF	Trennstelle W Interface W
BU105.0500.S.SET	1/2"	10,7	80	20	20	50	5	3	10512395N • 10512495N • 10512595N
BU105.0625.S.SET	.625"	13,87	80	20	20	50	5	3	10512395N • 10512495N • 10512595N
BU105.0750.S.SET	.750"	17,05	90	19,05	-	55	5	3	10512395N • 10512495N • 10512595N
BU105.1000.S.SET	1"	23,4	90	25,4	-	55	5	3	10512395N • 10512495N • 10512595N

Abmessungen in inch und mm
Dimensions in inch and mm

Hinweis:

Ein Klemmhalter-Set beinhaltet je 3 Spannelemente

Note:

One toolholder set includes 3 clamping elements each

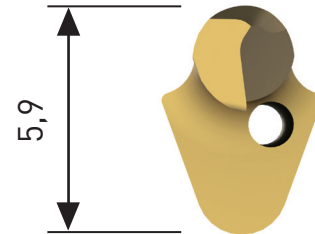
Ersatzteile

Spare Parts

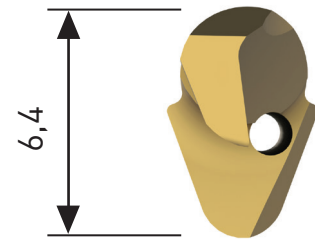
Klemmhalter Toolholder	Schraube Screw	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
BU105...	030.0000.1157	010.0105.03	T15PW



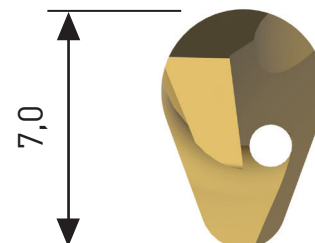
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Size 3

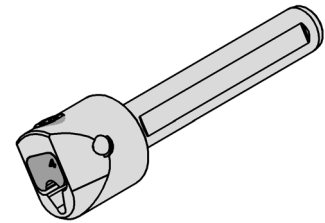
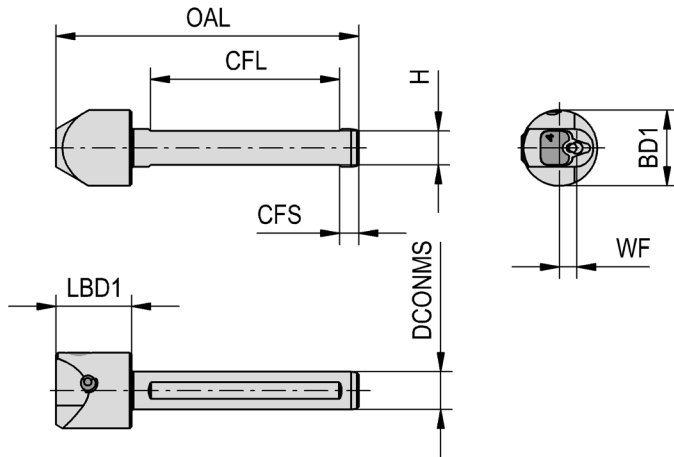
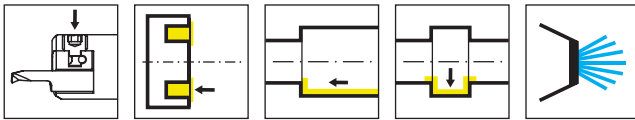


Größe 4 = 105124
Size 4



Größe 5 = 105125
Size 5





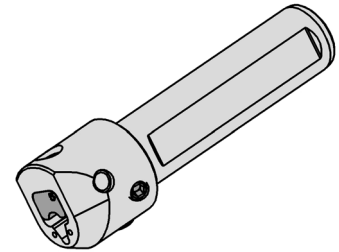
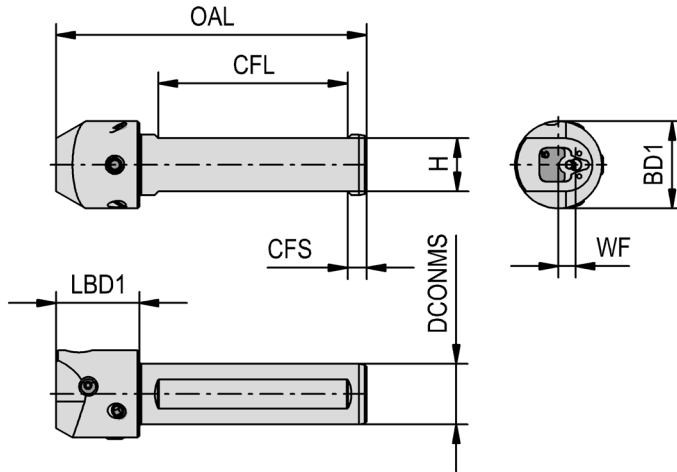
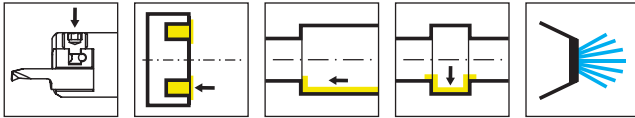
Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	CFL	CFS	WF	Trennstelle W Interface W
B105.0010.A.03	10	9	80	20	20	50	5	3	10512395N
B105.0012.A.03	12	11	80	20	20	50	5	3	10512395N
B105.0016.A.03	16	14	80	20	20	50	5	3	10512395N
B105.0020.A.03	20	18	90	20	-	55	5	3	10512395N
B105.0025.A.03	25	23	100	25	-	55	5	3	10512395N
B105.0010.A.04	10	9	80	20	20	50	5	3	10512495N
B105.0012.A.04	12	11	80	20	20	50	5	3	10512495N
B105.0016.A.04	16	14	80	20	20	50	5	3	10512495N
B105.0020.A.04	20	18	90	20	-	55	5	3	10512495N
B105.0025.A.04	25	23	100	25	-	55	5	3	10512495N
B105.0010.A.05	10	9	80	20	20	50	5	3	10512595N
B105.0012.A.05	12	11	80	20	20	50	5	3	10512595N
B105.0016.A.05	16	14	80	20	20	50	5	3	10512595N
B105.0020.A.05	20	18	90	20	-	55	5	3	10512595N
B105.0025.A.05	25	23	100	25	-	55	5	3	10512595N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105.0...	010.0003.0668	030.00M8.1188	T25PQ
B105.0...	010.0004.0667	030.00M8.1188	T25PQ
B105.0...	010.0005.0663	030.00M8.1188	T25PQ

A1



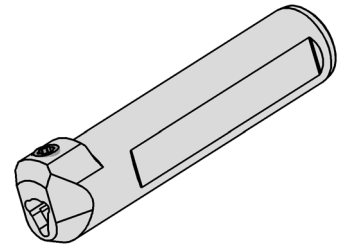
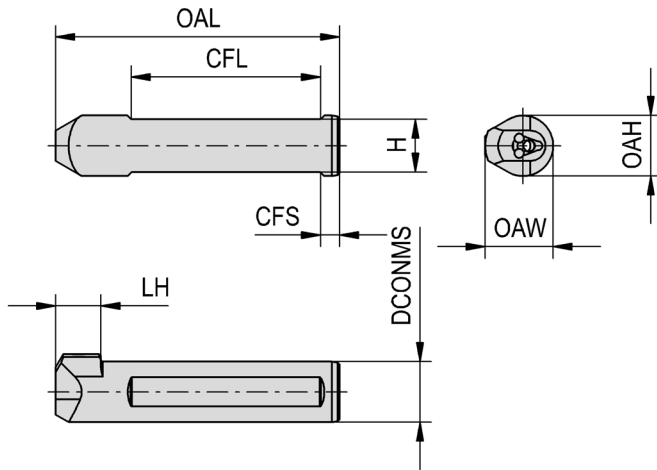
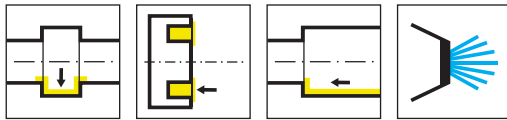
Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	CFL	CFS	WF	Trennstelle W Interface W
B105.0012.K.A.05	12	10	82	23	22	50	5	3	10512595N
B105.0016.K.A.05	16	14	82	23	22	50	5	3	10512595N
B105.0020.K.A.05	20	18	92	23	22	55	5	3	10512595N

regelbarer Kühlmittelaustritt
with additional through coolant outlet

Ersatzteile

Spare Parts

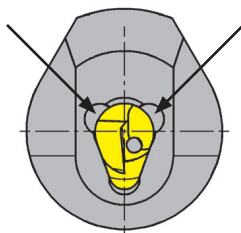
Klemmhalter Toolholder	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105...	010.0005.0663	T25PQ



Artikelnummer Part number	DCONMS	H	OAL	LH	OAW	OAH	CFL	CFS	Trennstelle W Interface W
B105.0012.K.01	12	11	75	12	17	12	50	5	10512395N • 10512495N • 10512595N
B105.0016.K.01	16	14	75	12	18	16	50	5	10512395N • 10512495N • 10512595N
B105.0020.K.01	20	18	90	-	20	20	55	5	10512395N • 10512495N • 10512595N
B105.0022.K.01	22	20	90	-	22	22	55	5	10512395N • 10512495N • 10512595N
B105.0025.K.01	25	23	100	-	25	25	55	5	10512395N • 10512495N • 10512595N
B105.0016.M8.K.01	16	14	75	12	18	16	50	5	10512395N • 10512495N • 10512595N
B105.0020.M8.K.01	20	18	90	-	20	20	55	5	10512395N • 10512495N • 10512595N

Kühlmittelsanschluss G1/8" und M8, siehe Artikelnummer
Coolant supply G1/8" and M8, please see part number

mit zusätzlichen Kühlbohrungen
with additional through coolant bores

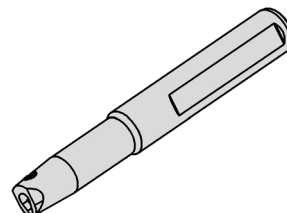
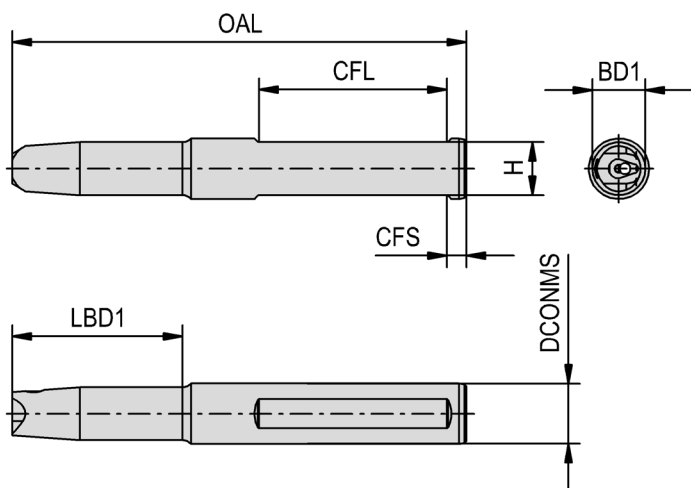
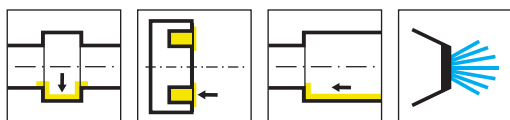


Ersatzteile

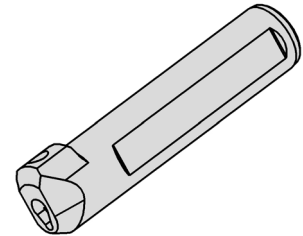
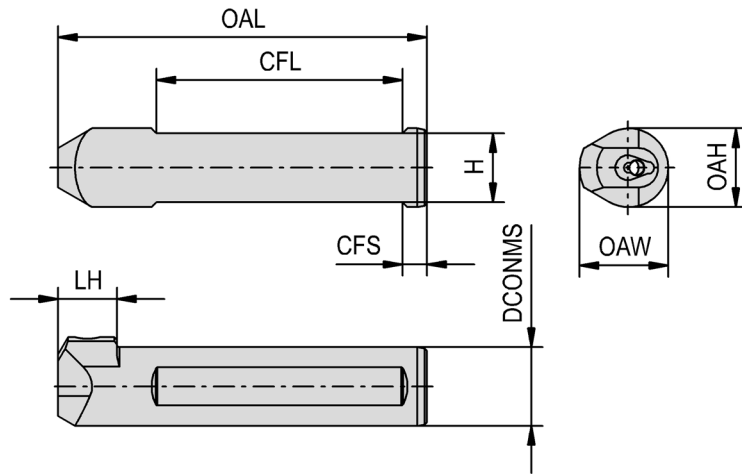
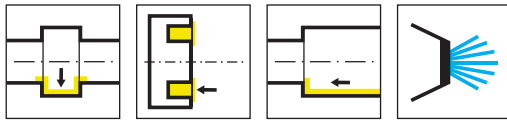
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105...	6.075T15P	T15PQ

A1



Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	CFL	CFS	Trennstelle W Interface W
B105.0016.105.1.01.30	16	14	105	14	30	50	5	10512395N • 10512495N • 10512595N
B105.0016.120.1.01.45	16	14	120	14	45	50	5	10512395N • 10512495N • 10512595N
B105.0016.135.1.01.60	16	14	135	14	60	50	5	10512395N • 10512495N • 10512595N



Artikelnummer Part number	DCONMS	H	OAL	LH	OAW	OAH	CFL	CFS	Trennstelle W Interface W
B105.0012.M8.01	12	11	75	12	17	12	50	5	10512395N • 10512495N • 10512595N
B105.0016.M8.01	16	14	75	12	18	16	50	5	10512395N • 10512495N • 10512595N
B105.0020.M8.01	20	18	90	-	20	20	55	5	10512395N • 10512495N • 10512595N
B105.0025.M8.01	25	23	100	-	25	25	55	5	10512395N • 10512495N • 10512595N

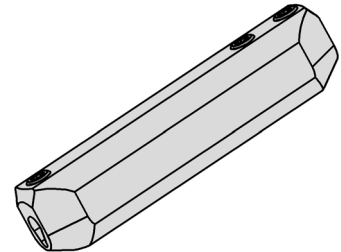
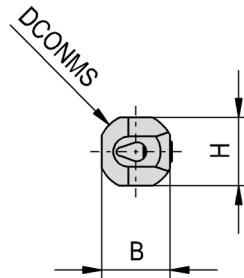
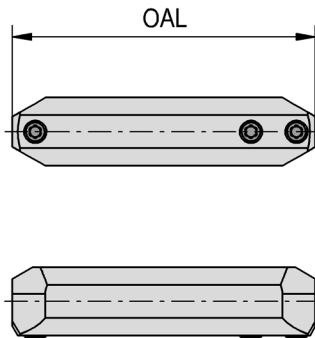
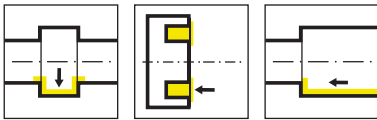
M8 - Kühlmittelanschluss
M8 - Coolant supply

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105...	6.075T15P	T15PQ

A1



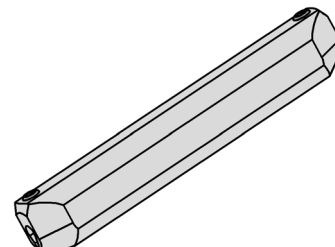
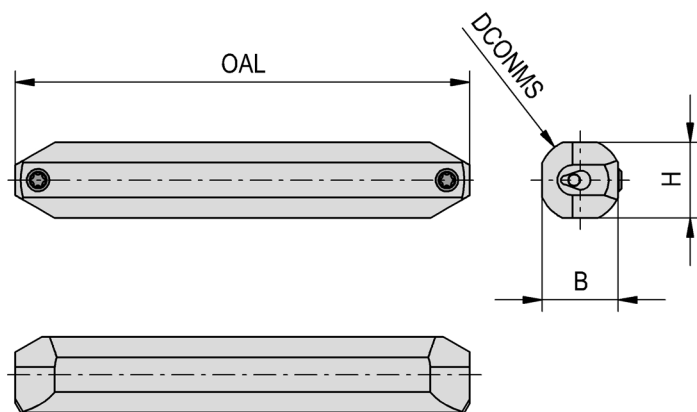
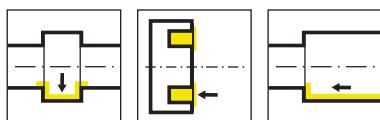
Artikelnummer Part number	DCONMS	H	B	OAL	Trennstelle W Interface W
B105.0020.1.03	20	18	18	80	10512395N • 10512495N • 10512595N • 10522595N

1 x Plattensitz Schneidplatte Typ 105
 1 x Plattensitz Schneidplatte Typ 105...2 mit verlängertem Spannschaft
 1 x Plating seat Insert Typ 105
 1 x Plating seat Insert Typ 105...2 with extended clamping shank

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105.0020.1.03	6.075T15P	T15PQ



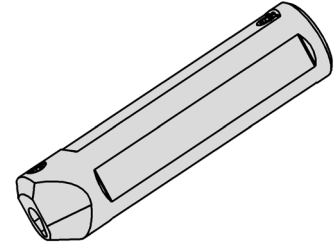
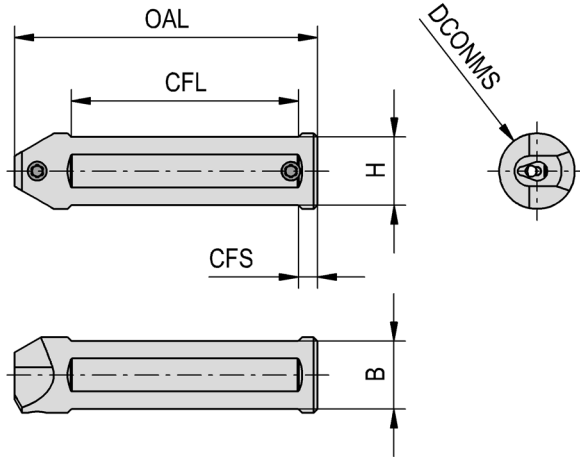
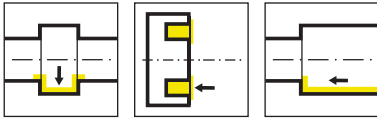
Artikelnummer Part number	DCONMS	H	B	OAL	Trennstelle W Interface W
B105.0022.2.1.01	22	20	20	80	10512395N • 10512495N • 10512595N
B105.0022.2.2.01	22	20	20	120	10512395N • 10512495N • 10512595N

2 x Plattensitz Schneidplatte Typ 105
2 x Plating seat Insert Typ 105

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105...	6.075T15P	T15PQ

A1



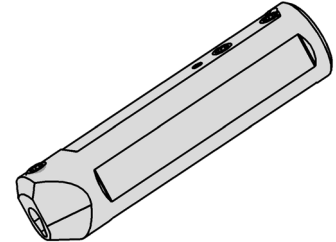
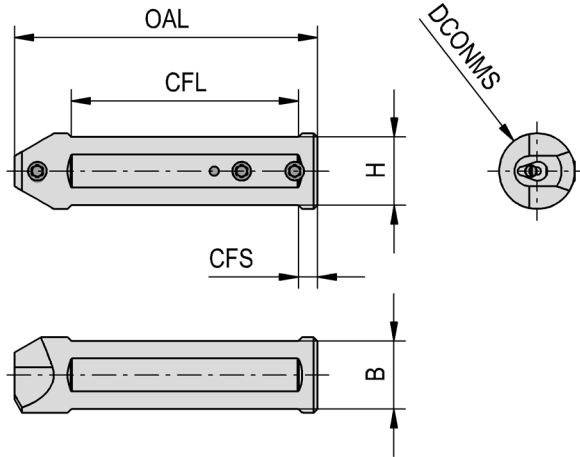
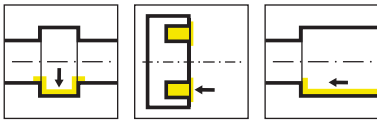
Artikelnummer Part number	DCONMS	H	B	OAL	CFL	CFS	Trennstelle W Interface W
B105.0020.1.09	20	18	18	80	60	5	10512395N • 10512495N • 10512595N • 10924095N

1 x Plattensitz Schneidplatte Typ 105
 1 x Plattensitz Schneidplatte Typ 109
 1 x Plating seat Insert Typ 105
 1 x Plating seat Insert Typ 109

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105.0020.1.09	6.075T15P	T15PQ

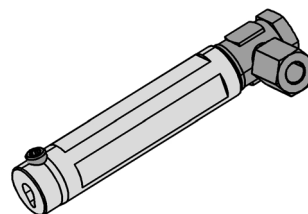
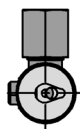
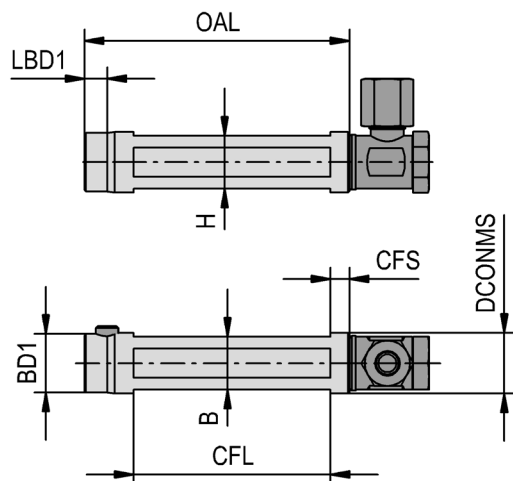
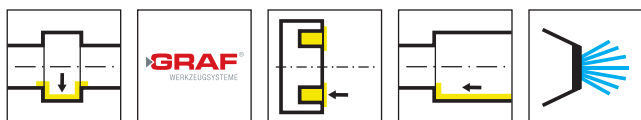


Artikelnummer Part number	DCONMS	H	B	OAL	CFL	CFS	Trennstelle W Interface W
B105.0020.1.10	20	18	18	80	60	5	10512395N • 10512495N • 10512595N • 11026095N

1 x Plattensitz Schneidplatte Typ 105
1 x Plattensitz Schneidplatte Typ 110
1 x Plating seat Insert Typ 105
1 x Plating seat Insert Typ 110

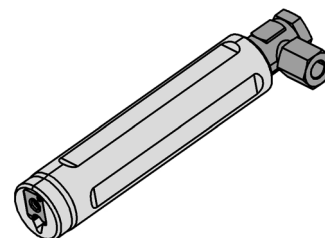
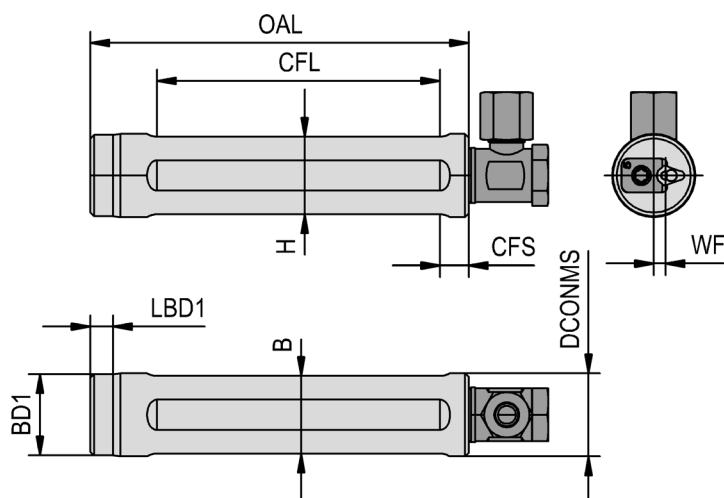
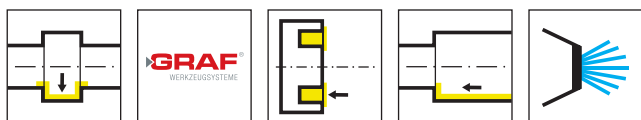
Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105.0020.1.10	6.075T15P	T15PQ



Artikelnummer Part number	DCONMS	H	B	OAL	BD1	LBD1	CFL	CFS	Trennstelle W Interface W
IR.105.34.100.IK	3/4"	18,05	18,05	100	18,5	6	82	5	10512395N • 10512495N • 10512595N
IR.105.34.40.IK	3/4"	18,05	18,05	40	18,5	6	22	5	10512395N • 10512495N • 10512595N
IR.105.34.50.IK	3/4"5	18,05	18,05	50	18,5	6	32	5	10512395N • 10512495N • 10512595N
IR.105.34.70.IK	3/4"	18,05	18,05	70	18,5	6	52	5	10512395N • 10512495N • 10512595N
IR.105.10.100.IK	1"	23,9	23,9	100	24,9	6	83	5	10512395N • 10512495N • 10512595N
IR.105.10.60.IK	1"	23,9	23,9	60	24,9	6	42	5	10512395N • 10512495N • 10512595N
IR.105.20.30.IK	20	18,5	18,5	30	19,5	6	12	5	10512395N • 10512495N • 10512595N
IR.105.20.50.IK	20	18,5	18,5	50	19,5	6	32	5	10512395N • 10512495N • 10512595N
IR.105.16.100.IK	16	15,4	15,4	100	15,5	6	79	5	10512395N • 10512495N • 10512595N
IR.105.16.30.IK	16	14,8	14,8	30	15,5	6	15	5	10512395N • 10512495N • 10512595N
IR.105.16.50.IK	16	14,8	14,8	50	15,5	6	32	5	10512395N • 10512495N • 10512595N
IR.105.16.70.IK	16	14,8	14,8	70	15,5	6	52	5	10512395N • 10512495N • 10512595N
IR.105.20.100.IK	20	18,5	18,5	100	19,5	6	82	5	10512395N • 10512495N • 10512595N
IR.105.22.100.IK	22	20,5	20,5	100	21,5	6	82	5	10512395N • 10512495N • 10512595N
IR.105.22.120.3.IK	22	20,5	20,5	120	26	13	95	5	10512395N • 10512495N • 10512595N
IR.105.22.120.IK	22	20,5	20,5	120	21,5	6	102	5	10512395N • 10512495N • 10512595N
IR.105.22.150.IK	22	20,5	20,5	150	21	9	130	5	10512395N • 10512495N • 10512595N
IR.105.22.38.IK	22	20,5	20,5	38	21,5	6	20	5	10512395N • 10512495N • 10512595N
IR.105.22.50.IK	22	20,5	20,5	50	21,5	6	32	5	10512395N • 10512495N • 10512595N
IR.105.22.70.IK	22	20,5	20,5	70	21,5	6	51	5	10512395N • 10512495N • 10512595N
IR.105.20.170.IK	20	18,5	18,5	170	19,5	6	152	5	10512395N • 10512495N • 10512595N
IR.105.20.185.IK	20	18,5	18,5	185	19,5	6	167	5	10512395N • 10512495N • 10512595N
IR.105.25.100.IK	25	23,5	23,5	100	24,5	6	82	5	10512395N • 10512495N • 10512595N
IR.105.25.150.IK	25	23,5	23,5	150	24,5	6	132	5	10512395N • 10512495N • 10512595N

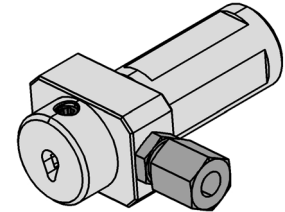
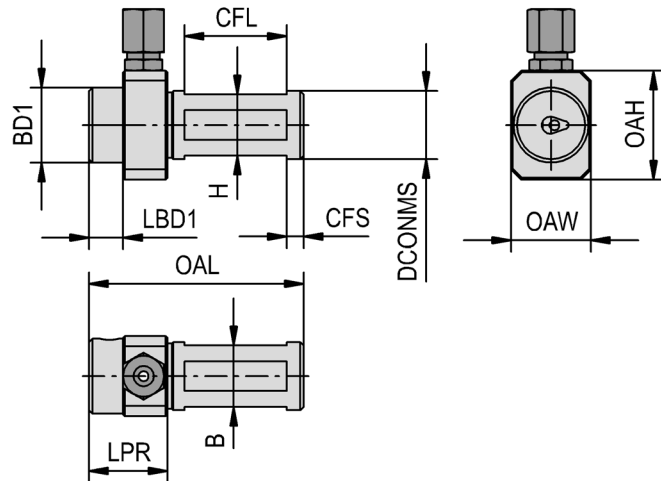
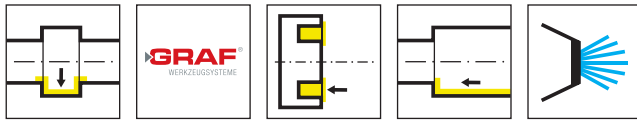
Abmessungen in inch und mm
Dimensions in inch and mm



Artikelnummer Part number	DCONMS	I	B	OAL	BD1	LBD1	CFL	CFS	WF	Trennstelle W Interface W
IR.105.10.100.S.IK.03	1"	23,9	23,9	100	24,9	6	82	5	3	10512395N
IR.105.10.100.S.IK.04	1"	23,9	23,9	100	24,9	6	82	5	3	10512495N
IR.105.10.100.S.IK.05	1"	23,9	23,9	100	24,9	6	82	5	3	10512595N
IR.105.10.60.S.IK.03	1"	23,9	23,9	60	24,9	6	42	5	3	10512395N
IR.105.10.60.S.IK.04	1"	23,9	23,9	60	24,9	6	42	5	3	10512495N
IR.105.10.60.S.IK.05	1"	23,9	23,9	60	24,9	6	42	5	3	10512595N
IR.105.20.100.S.IK.03	20	18,5	18,5	100	23	12,5	80	5	3	10512395N
IR.105.20.100.S.IK.04	20	18,5	18,5	100	23	12,5	80	5	3	10512495N
IR.105.20.100.S.IK.05	20	18,5	18,5	100	23	12,5	80	5	3	10512595N
IR.105.20.50.S.IK.03	20	18,5	18,5	50	23	12,5	32	5	3	10512395N
IR.105.20.50.S.IK.04	20	18,5	18,5	50	23	12,5	32	5	3	10512495N
IR.105.20.50.S.IK.05	20	18,5	18,5	50	23	12,5	32	5	3	10512595N
IR.105.20.70.S.IK.03	20	18,5	18,5	70	23	12,5	50	5	3	10512395N
IR.105.20.70.S.IK.04	20	18,5	18,5	70	23	12,5	50	5	3	10512495N
IR.105.20.70.S.IK.05	20	18,5	18,5	70	23	12,5	50	5	3	10512595N
IR.105.22.100.S.IK.03	22	20,5	20,5	100	21,5	6	80	5	3	10512395N
IR.105.22.100.S.IK.04	22	20,5	20,5	100	21,5	6	80	5	3	10512495N
IR.105.22.100.S.IK.05	22	20,5	20,5	100	21,5	6	80	5	3	10512595N
IR.105.22.120.S.IK.03	22	20,5	20,5	120	21,5	6	102	5	3	10512395N
IR.105.22.120.S.IK.04	22	20,5	20,5	120	21,5	6	102	5	3	10512495N
IR.105.22.120.S.IK.05	22	20,5	20,5	120	21,5	6	102	5	3	10512595N
IR.105.22.50.S.IK.03	22	20,5	20,5	50	21,5	6	32	5	3	10512395N
IR.105.22.50.S.IK.04	22	20,5	20,5	50	21,5	6	32	5	3	10512495N
IR.105.22.50.S.IK.05	22	20,5	20,5	50	21,5	6	32	5	3	10512595N

Abmessungen in inch und mm
Dimensions in inch and mm

A1

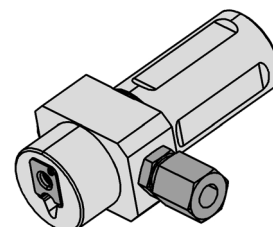
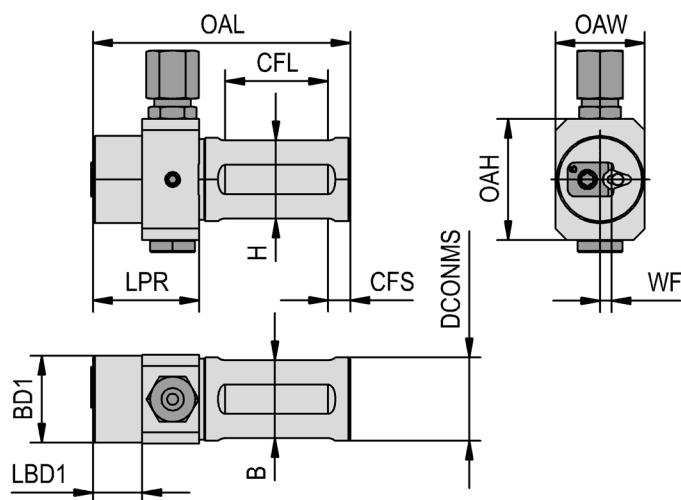
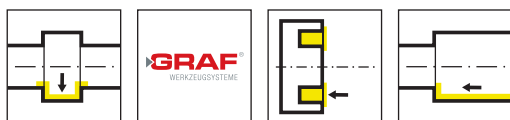


Artikelnummer Part number	DCONMS	H	B	OAL	BD1	LBD1	OAW	OAH	CFL	CFS	LPR	Trennstelle W Interface W
IR.105.1060.IKV	25,4	23,4	23,4	85	22	12	28	34	50	5	25	10512395N • 10512495N • 10512595N
IR.105.1640.IKV	16	14	14	65	22	12	23,5	32	30	5	25	10512395N • 10512495N • 10512595N
IR.105.2040.IKV	20	18	18	65	22	12	23,5	32	30	5	25	10512395N • 10512495N • 10512595N
IR.105.2240.IKV	22	20	20	65	22	10	23,5	32	30	5	25	10512395N • 10512495N • 10512595N
IR.105.2560.IKV	25	23	23	85	22	10	28	34	50	5	25	10512395N • 10512495N • 10512595N
IR.105.3440.IKV	19,05	17,05	17,05	65	22	12	23,5	32	30	5	25	10512395N • 10512495N • 10512595N

Ersatzteile

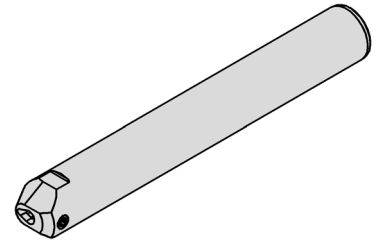
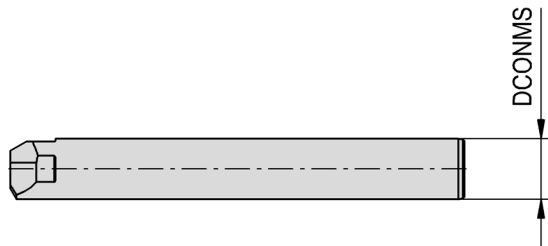
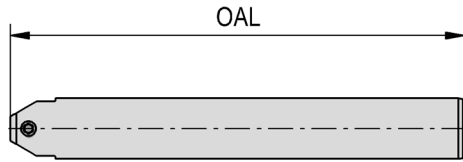
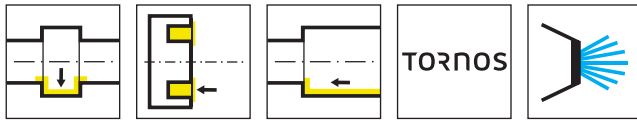
Spare Parts

Einbauhalter Graf Cartridge Graf	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply	TORX PLUS®-Schlüssel TORX PLUS® Wrench
IR...	6.075T15P	004.00.19	T15PQ



Artikelnummer Part number	DCONMS	H	B	OAL	BD1	LBD1	OAW	OAH	CFL	CFS	WF	LPR	Trennstelle W Interface W
IR.105.1060.S.IKV.03	25,4	23,4	23,4	85	24	12	28	34	50	5	3	25	10512395N
IR.105.1060.S.IKV.04	25,4	23,4	23,4	85	24	12	28	34	50	5	3	25	10512495N
IR.105.1060.S.IKV.05	25,4	23,4	23,4	85	24	12	28	34	50	5	3	25	10512595N
IR.105.1640.S.IKV.03	16	14	14	65	22	12	23,5	32	30	5	3	25	10512395N
IR.105.1640.S.IKV.04	16	14	14	65	22	12	23,5	32	30	5	3	25	10512495N
IR.105.1640.S.IKV.05	16	14	14	65	22	12	23,5	32	30	5	3	25	10512595N
IR.105.2040.S.IKV.03	20	18,6	18,6	68	23	13	23,5	32	30	4	3	28	10512395N
IR.105.2040.S.IKV.04	20	18,6	18,6	68	23	13	23,5	32	30	4	3	28	10512495N
IR.105.2040.S.IKV.05	20	18,6	18,6	68	23	13	23,5	32	30	4	3	28	10512595N
IR.105.2240.S.IKV.03	22	20,6	20,6	68	23	13	23,5	32	30	4	3	28	10512395N
IR.105.2240.S.IKV.04	22	20,6	20,6	68	23	13	23,5	32	30	4	3	28	10512495N
IR.105.2240.S.IKV.05	22	20,6	20,6	68	23	13	23,5	32	30	4	3	28	10512595N
IR.105.2560.S.IKV.03	25	23	23	85	24	10	28	34	50	5	3	25	10512395N
IR.105.2560.S.IKV.04	25	23	23	85	24	10	28	34	50	5	3	25	10512495N
IR.105.2560.S.IKV.05	25	23	23	85	24	10	28	34	50	5	3	25	10512595N
IR.105.3260.S.IKV.03	32	30	30	85	24	12	36	40	49	5	3	25	10512395N
IR.105.3260.S.IKV.04	32	30	30	85	24	12	36	40	49	5	3	25	10512495N
IR.105.3260.S.IKV.05	32	30	30	85	24	12	36	40	49	5	3	25	10512595N
IR.105.3440.S.IKV.03	19,05	17,05	17,05	65	22	12	23,5	32	30	5	3	25	10512395N
IR.105.3440.S.IKV.04	19,05	17,05	17,05	65	22	12	23,5	32	30	5	3	25	10512495N
IR.105.3440.S.IKV.05	19,05	17,05	17,05	65	22	12	23,5	32	30	5	3	25	10512595N
IR.105.3480.S.IKV.03	19,05	17,05	17,05	105	22	12	23,5	32	66	5	3	25	10512395N
IR.105.3480.S.IKV.04	19,05	17,05	17,05	105	22	12	23,5	32	66	5	3	25	10512495N
IR.105.3480.S.IKV.05	19,05	17,05	17,05	105	22	12	23,5	32	66	5	3	25	10512595N

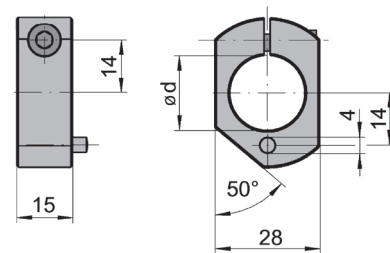
A1



Artikelnummer Part number	DCONMS	OAL	Trennstelle W Interface W
B105.0020.2.01	20	150	10512395N • 10512495N • 10512595N
B105.0025.2.01	25	150	10512395N • 10512495N • 10512595N

Stellring ist nicht im Lieferumfang enthalten - bitte separat bestellen!
Adjusting ring is not combined with the toolholder - separate order required!

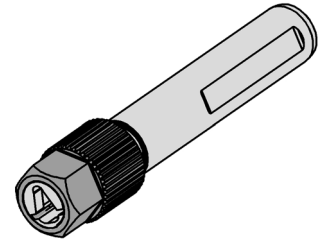
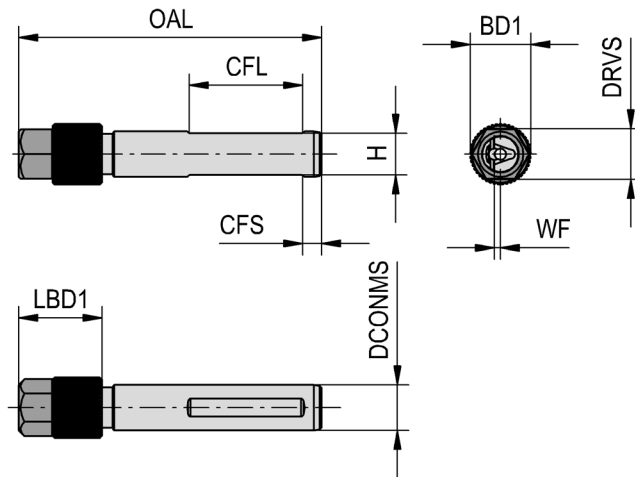
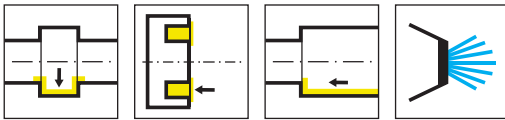
Stellring Adjusting ring	d	Maschinentyp Type of machine
020.0020.1665	20	Tornos
020.0025.2234	25	Tornos



Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105...	6.075T15P	T15PQ

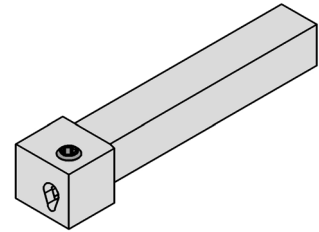
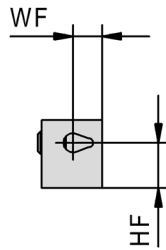
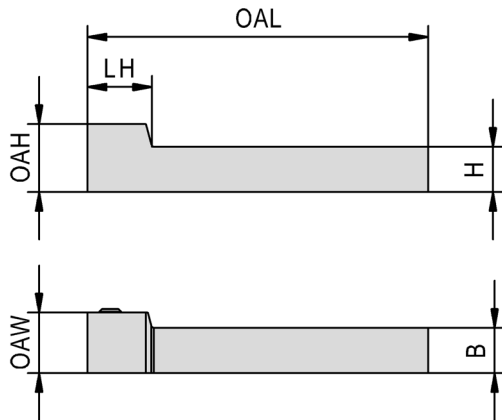
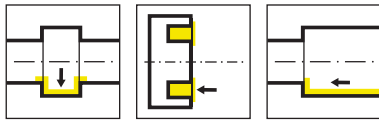


Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	CFL	CFS	WF	DRVS	Trennstelle W Interface W
B105.0010.9.01	10	9	100	11	22	50	5	1,6	10	10512395N
B105.0012.11.01	12	11	100	16	22	50	5	1,2	13	10512595N
B105.0016.11.01	16	15	100	16	22	50	5	1,2	13	10512595N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannmutter Clamping nut
B105.0010.9.01	020.0010.1719
B105.00...	020.0016.1999

A1



R = rechts wie gezeichnet
R = right hand version shown

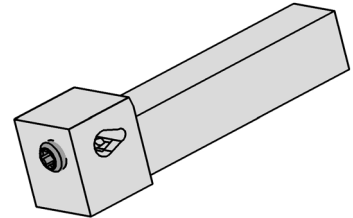
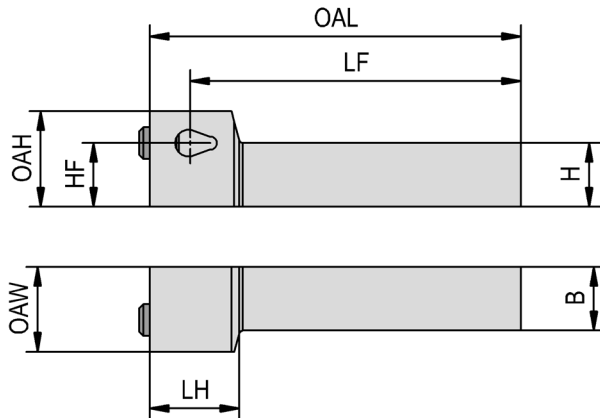
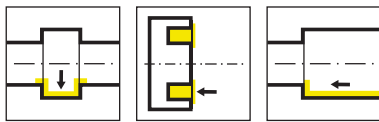
L = links spiegelbildlich
L = left hand version

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



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

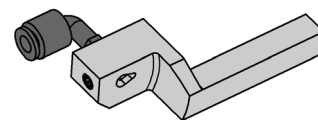
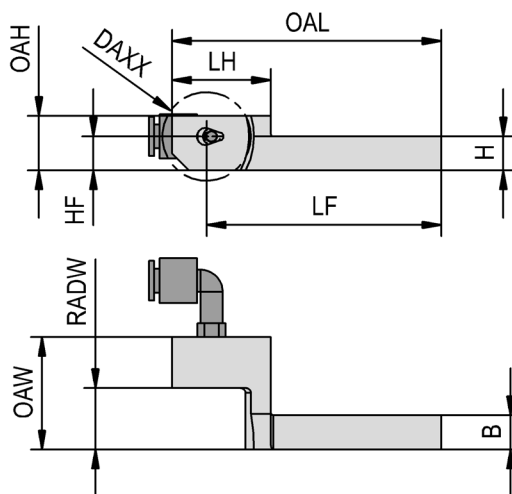
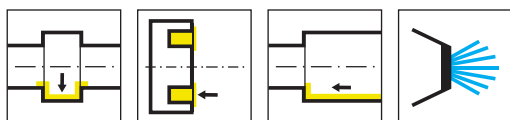
Artikelnummer Part number	H	B	OAL	LH	OAW	OAH	LF	HF	Trennstelle W Interface W
RHC105.1212.01	12	12	90	17	16	18	82,5	12	10512395N • 10512495N • 10512595N
RHC105.1616.01	16	16	130	17	16	22	122,5	16	10512395N • 10512495N • 10512595N
LHC105.1212.01	12	12	90	17	16	18	82,5	12	10512395N • 10512495N • 10512595N
LHC105.1616.01	16	16	130	17	16	22	122,5	16	10512395N • 10512495N • 10512595N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LHC105...	6.075T15P	T15PQ

A1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left 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

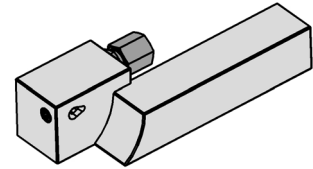
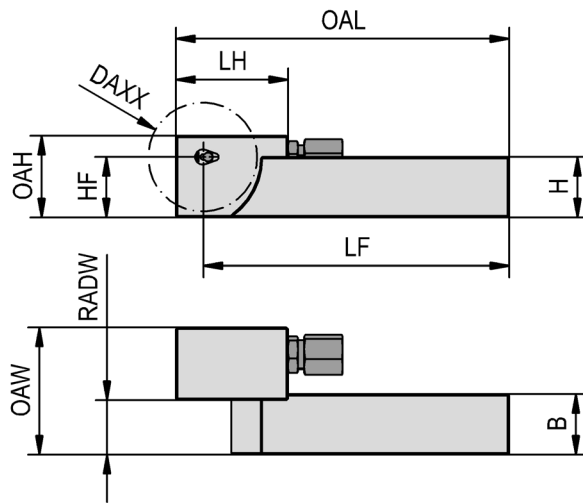
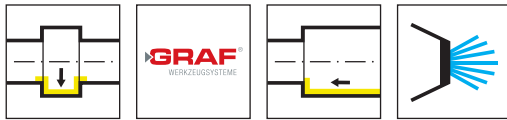
Kühlmittelzufuhr über Winkelverschraubung
Coolant supply through cranked fitting

R/LHC105.08.../.1010.11 ohne Innenkühlung
R/LHC105.08.../.1010.11 without trough coolant

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LHC105...	6.075T15P	T15PQ



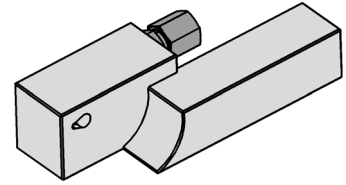
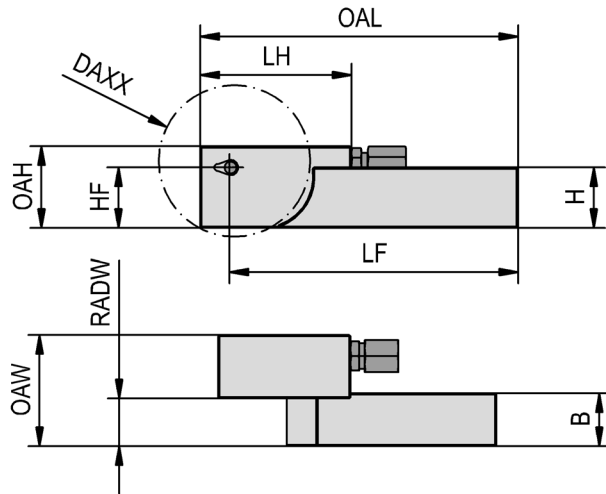
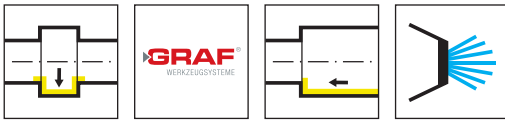
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DAXX	H	B	OAL	LF	LH	OAW	OAH	HF	RADW	Trennstelle W Interface W
962.08.01.R.IK	30	8	8	130	121	37	42	15	8	18	10512395N • 10512495N • 10512595N
962.08.02.L.IK	30	8	8	130	121	37	42	15	8	18	10512395N • 10512495N • 10512595N
962.10.01.R.IK	30	10	10	130	121	37	42	17	10	18	10512395N • 10512495N • 10512595N
962.10.02.L.IK	30	10	10	130	121	37	42	17	10	18	10512395N • 10512495N • 10512595N
962.10.03.R.IK	30	10	10	130	121	37	57	17	10	33	10512395N • 10512495N • 10512595N
962.10.04.L.IK	30	10	10	130	121	37	57	17	10	33	10512395N • 10512495N • 10512595N
962.12.01.R.IK	30	12	12	130	121	37	42	19	12	18	10512395N • 10512495N • 10512595N
962.12.02.L.IK	30	12	12	130	121	37	42	19	12	18	10512395N • 10512495N • 10512595N
962.12.03.R.IK	30	12	12	130	121	37	57	19	12	33	10512395N • 10512495N • 10512595N
962.12.04.L.IK	30	12	12	130	121	37	57	19	12	33	10512395N • 10512495N • 10512595N
962.16.01.R.IK	34	16	16	130	121	37	42	23	16	18	10512395N • 10512495N • 10512595N
962.16.02.L.IK	34	16	16	130	121	37	42	23	16	18	10512395N • 10512495N • 10512595N
962.16.03.R.IK	34	16	16	130	121	37	57	23	16	33	10512395N • 10512495N • 10512595N
962.16.04.L.IK	34	16	16	130	121	37	57	23	16	33	10512395N • 10512495N • 10512595N
962.20.01.R.IK	47	20	20	130	121	37	42	27	20	18	10512395N • 10512495N • 10512595N
962.20.02.L.IK	47	20	20	130	121	37	42	27	20	18	10512395N • 10512495N • 10512595N

Kühlmittelzufuhr über Verschraubung
Coolant through fitting

A1

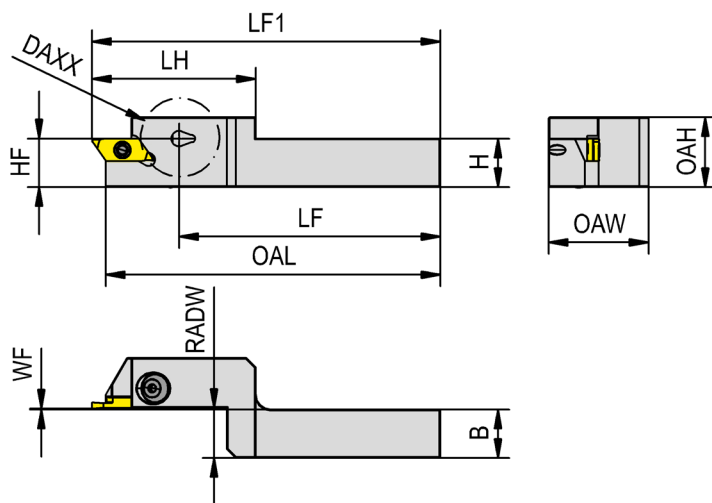


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DAXX	H	B	OAL	LF	LH	OAW	OAH	HF	RADW	Trennstelle W Interface W
963.12.01.R.IK	46	12	12	130	119	50	42	19	12	18	10512395N • 10512495N • 10512595N
963.12.02.L.IK	46	12	12	130	119	50	42	19	12	18	10512395N • 10512495N • 10512595N
963.16.01.R.IK	52	16	16	130	119	50	42	25	16	18	10512395N • 10512495N • 10512595N
963.16.02.L.IK	52	16	16	130	119	50	42	25	16	18	10512395N • 10512495N • 10512595N

Kühlmittelfzufuhr über Verschraubung
Coolant through fitting



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

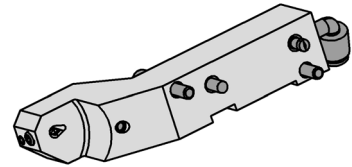
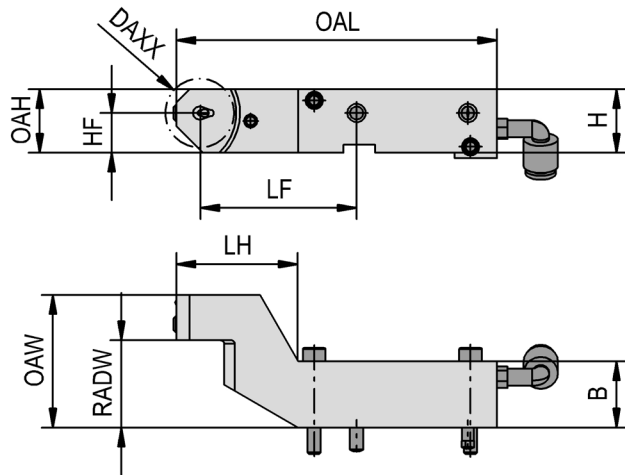
Artikelnummer Part number	DAXX	H	B	OAL	LF	LH	OAW	OAH	WF	HF	RADW	Trennstelle W Interface W
AIH.974.R.1212.K04	20	12	12	135,5	111,1	49,5	19	33	4,5	12	16,5	10512395N • 10512495N • 10512595N • 274040000R
AIH.974.R.1616.K04	26	16	16	135,5	111,1	49,5	23	33	0,5	16	16,5	10512395N • 10512495N • 10512595N • 274040000R
AIH.974.R.2020.K04	32	20	20	137,5	112	54,5	27	33	3,5	20	16,5	10512395N • 10512495N • 10512595N • 274040000R

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
AIH...	6.075T15P	T15PQ

A1



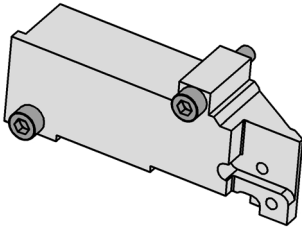
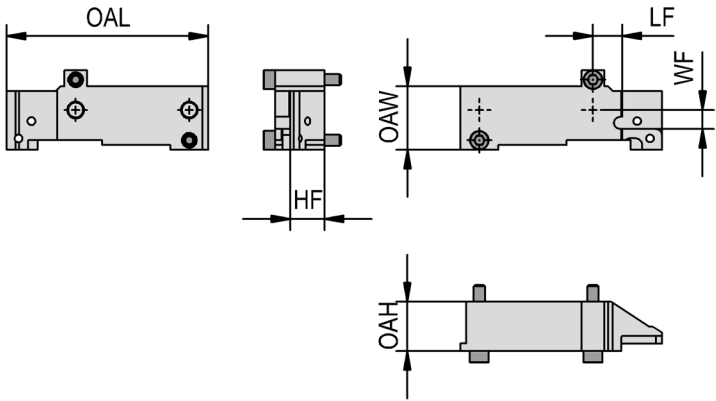
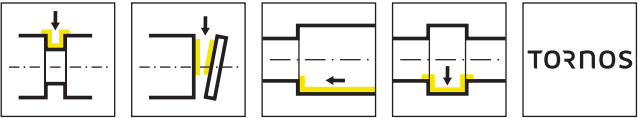
Artikelnummer Part number	H	B	OAL	LH	OAW	OAH	LF	HF	RADW	DAXX	Trennstelle W Interface W
RHC105.0710.21	26	25	131	46	50	26	59	15	33	28	10512395N • 10512495N • 10512595N
RHC105.0710.41	26	35	131	46	60	26	59	15	43	28	10512395N • 10512495N • 10512595N

Werkzeug für Tornos
Tool for Tornos

Ersatzteile

Spare Parts

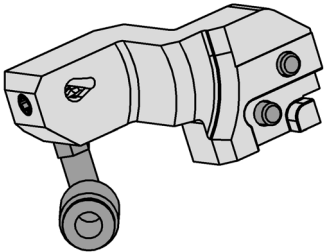
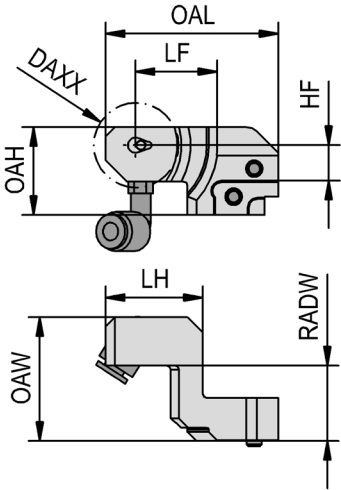
Grundhalter Basic toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RHC105...	6.075T15P	T15PQ



Artikelnummer Part number	OAL	OAW	OAH	WF	LF	HF	Trennstelle W Interface W
L760.0013.K1	106,5	42	26,1	-	15	18,1	RC760183
L760.2026.K1	109	44	25,5	8	15	15,1	RC760183

Werkzeug für Tornos
Tool for Tornos

A1

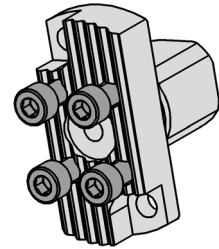
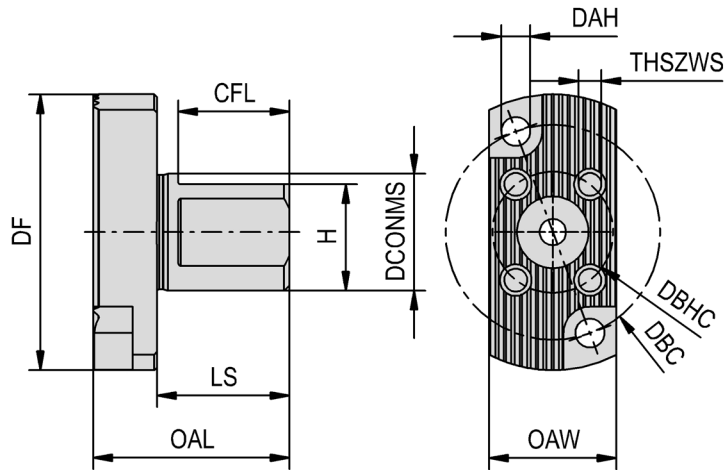
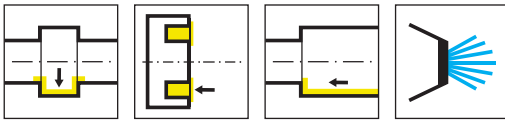


Artikelnummer Part number									Trennstel- le M Interface M	Trennstelle W Interface W
	OAL	LH	OAW	OAH	LF	HF	RADW	DAXX		
RKC760.0105.21	57	32	40,9	29	26	12	24,9	28	KC760183	10512395N • 10512495N • 10512595N
RKC760.0105.41	57	37	50,9	29	26	12	34,9	28	KC760183	10512395N • 10512495N • 10512595N

Werkzeug für Tornos Grundhalter L760
Tool for Tornos Basic toolholder L760

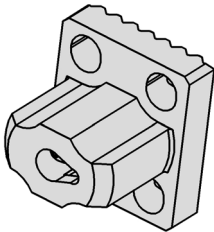
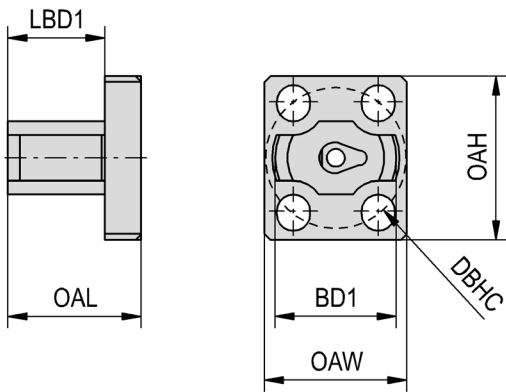
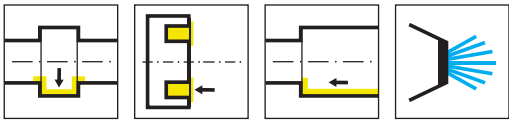
Ersatzteile
Spare Parts

Kassette Cassette	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RKC760...	5.12T20P	T15PQ



Artikelnummer Part number	DCONMS	H	OAL	DF	LS	OAW	CFL	DAH	DBHC	DBC	THSZWS	Trennstelle W Interface W
BGT001.0R22.25	22	20	37	52	25	24	21	5,5	22,8	40,5	M5	KERB228135

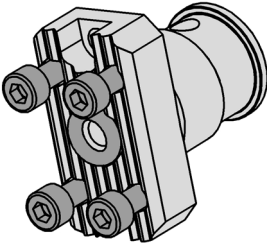
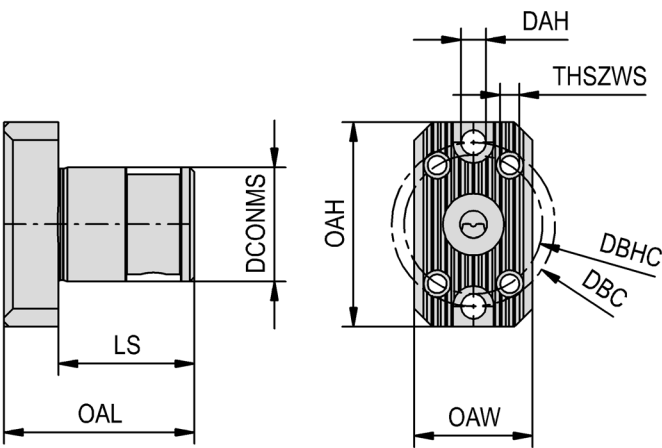
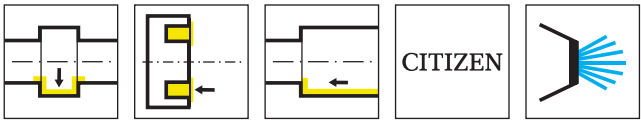
A1



Artikelnummer Part number	OAL	BD1	LBD1	OAW	OAH	DBHC	Trennstelle M Interface M	Trennstelle W Interface W
BKT105.2327.01	22	20	16	23,5	27	22,8	KERB228135	10512395N • 10512495N • 10512595N

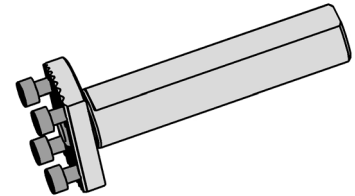
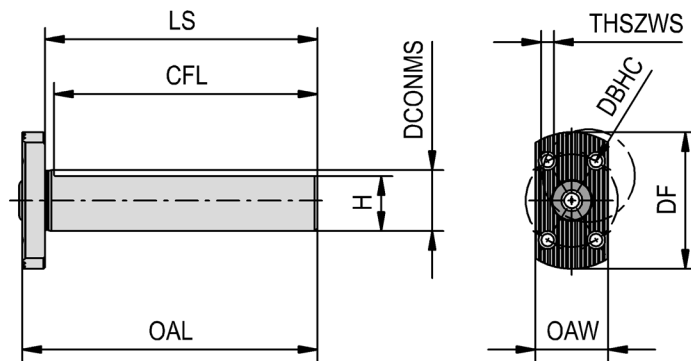
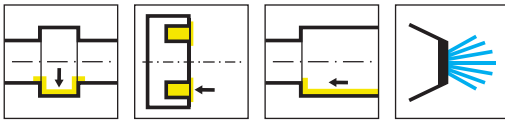
Ersatzteile
Spare Parts

Einstellbare Halter Adjustable holder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
BKT105.2327.01	6.075T15P	T15PQ



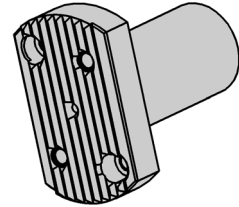
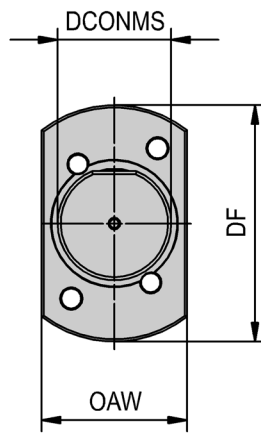
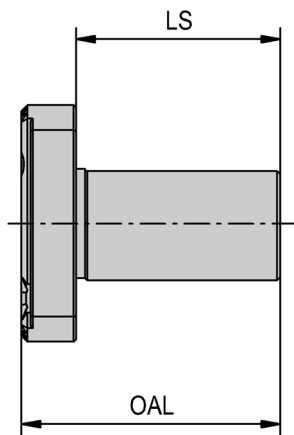
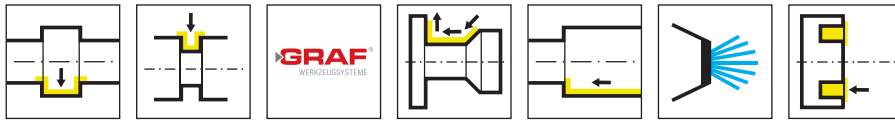
Artikelnummer Part number	DCONMS	OAL	LS	OAW	OAH	DAH	DBHC	DBC	THSZWS	Trennstelle W Interface W
BGT001.C025.30IK	25	41,95	29,95	26	45	5,5	30,5	36	M5	KERB305135

A1



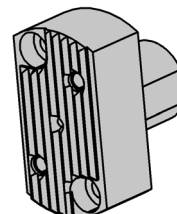
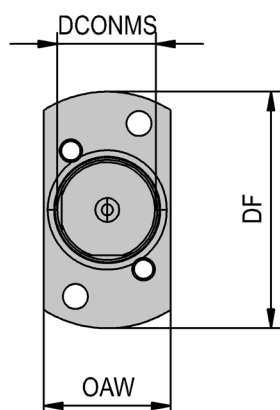
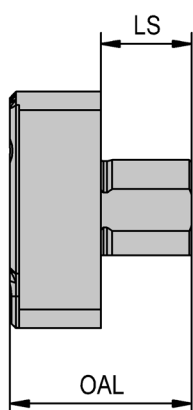
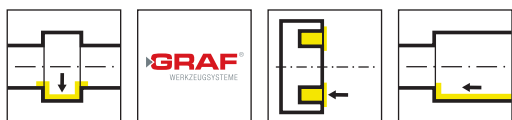
Artikelnummer Part number	DCONMS	H	OAL	DF	LS	OAW	CFL	DBHC	THSZWS	Trennstelle W Interface W
BGT001.0010.50	10	9	57,5	45	50	24	47	30,5	M5	KERB305135
BGT001.0016.21	16	14	28,5	45	21	24	18	30,5	M5	KERB305135
BGT001.0020.100	20	18	107,5	45	100	24	97	30,5	M5	KERB305135
BGT001.0022.30	22	20	36,35	45	30	24	27	30,5	M5	KERB305135
BGT001.0025.70	25	23	77,5	45	70	24	67	30,5	M5	KERB305135

BGT001.0022.30 ohne innere Kühlmittelzufuhr
BGT001.0022.30 without through coolant supply



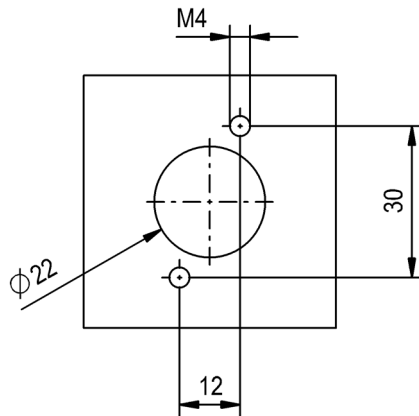
Artikelnummer Part number	DCONMS	OAL	DF	LS	OAW	Typ Type	Trennstelle W Interface W
G.010.030	25,4	36	45	30	24	A	KERB305135
G.010.060	25,4	66	45	60	24	A	KERB305135
G.010.100	25,4	106	45	100	24	A	KERB305135
G.016.021	16	27	45	21	24	A	KERB305135
G.016.040	16	46	45	40	24	A	KERB305135
G.016.100	16	106	45	100	24	A	KERB305135
G.020.030	20	36	45	30	24	A	KERB305135
G.020.040	20	46	45	40	24	A	KERB305135
G.020.100	20	106	45	100	24	A	KERB305135
G.020.150	20	156	45	150	24	A	KERB305135
G.022.023	22	29	45	23	24	A	KERB305135
G.022.030	22	36	45	30	24	A	KERB305135
G.022.070	22	76	45	70	24	A	KERB305135
G.025.030	25	36	45	30	24	A	KERB305135
G.025.070	25	76	45	70	24	A	KERB305135
G.025.100	25	106	45	100	24	A	KERB305135
G.025.160	25	166	45	160	24	A	KERB305135
G.028.080	28	90	52	78	30	A	KERB305135
G.032.050	32	62	52	60	34	A	KERB305135
G.034.040	19,05	46	45	40	24	A	KERB305135
G.034.050	19,05	56	45	50	24	A	KERB305135
G.034.120	19,05	126	45	120	24	A	KERB305135

A1

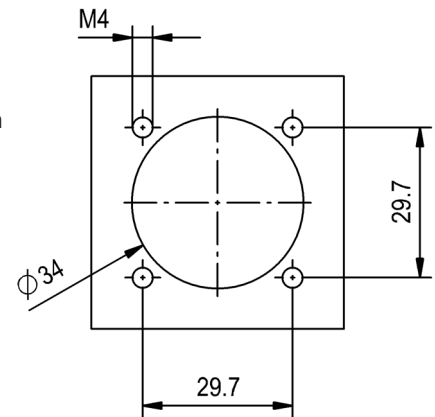


Artikelnummer Part number	DCONMS	OAL	LS	OAW	OAH	Typ Type	Lochbild Hole pat- tern	Trennstelle W Interface W
G.016.021.SR10	16	41	21	24	52	B	S7	KERB305135
G.022.020.S3	22	40	20	28	52	B	S3	KERB305135
G.022.025.S3	22	37	25	28	52	B	S3	KERB305135

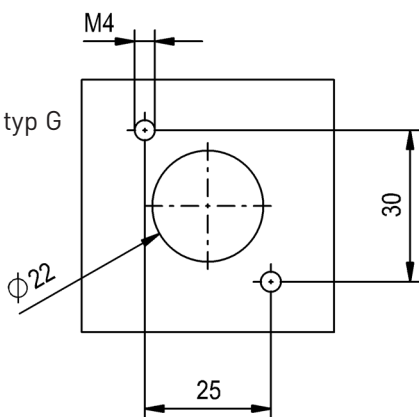
S1:
SW20



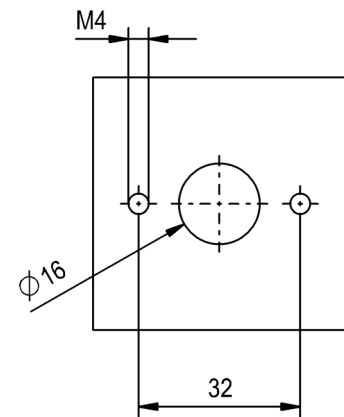
S5:
SL7/10 unten
SD26 E



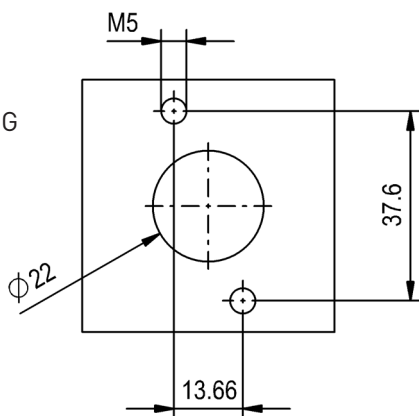
S2:
SB12/16/20 R typ G
SR20 RIV
SW12 RII
SW20
SR20 JII
SL7/10 oben



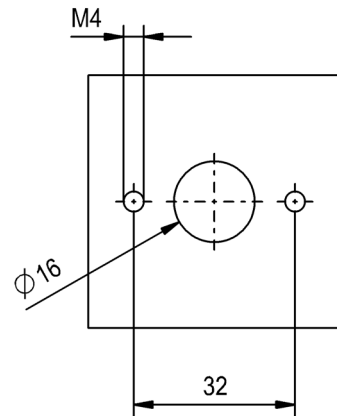
S6:
SX38



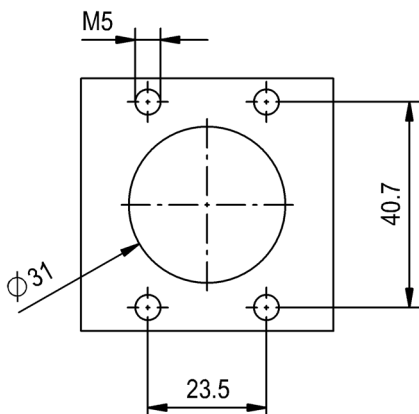
S3:
SB12/20R typ G
SB16 III
ECAS12/20
SR10
SR20 J/JN
SP23
SR20 RII/RIII

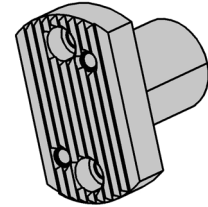
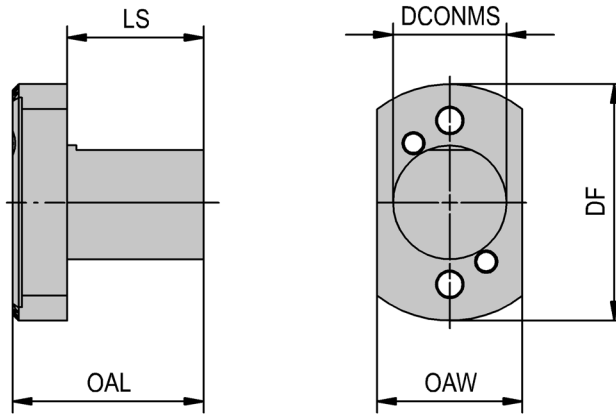
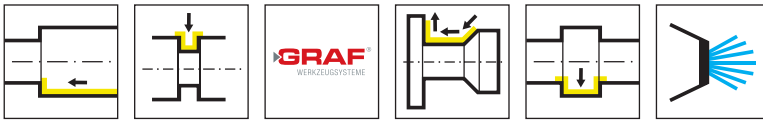


S7:
SL7/10 mitte



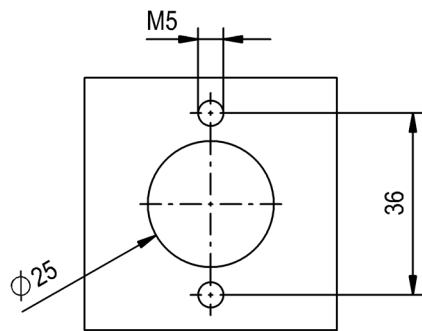
S4:
ECAS 32
SR32JIII
SV32
SV38
SR38
SX38



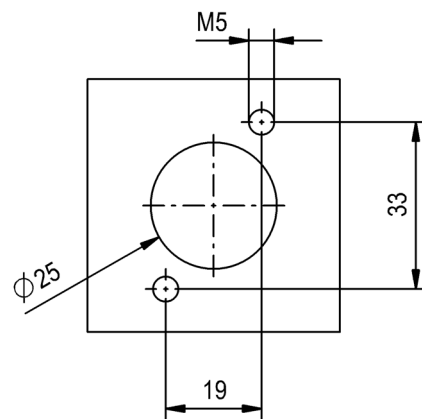


Artikelnummer Part number	DCONMS	OAL	LS	OAW	OAH	Typ Type	Lochbild Hole pat- tern	Trennstelle W Interface W
G.025.025.C2	25	44	25	28,5	42,5	B	C2	KERB305135
G.025.030.C1	25	42	30	28	52	A	C1	KERB305135
G.031.032.C4	31	44	32	35	56	A	C4	KERB305135

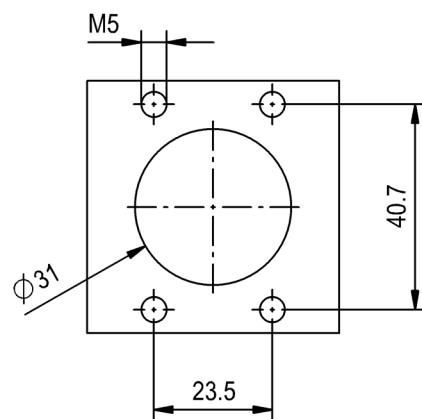
C1:
L12 typ8
L20 typ8

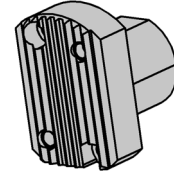
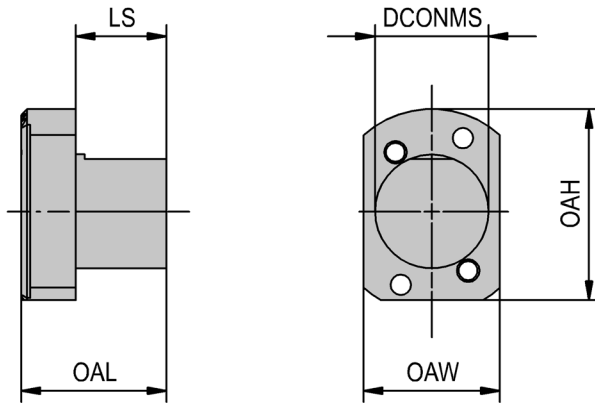


C2:
L20 typ10/12
L12 typ10



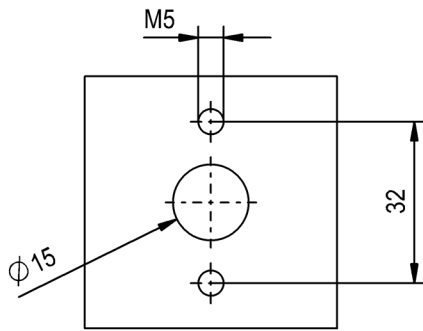
C4:
L32 typ10/12
M32



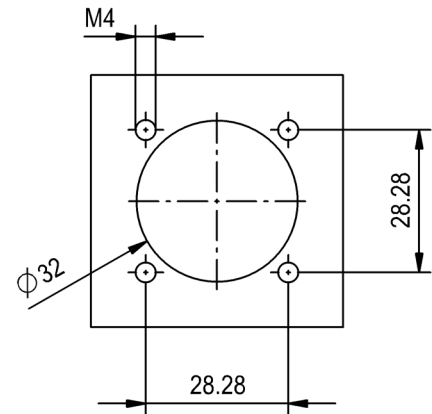


Artikelnummer Part number	DCONMS	OAL	LS	OAW	OAH	Typ Type	Lochbild Hole pat- tern	Trennstelle W Interface W
G.015.012.H1	15	24,5	12	24	45	A	H1	KERB305135
G.023.030.H2	23	40	30	24	48	B	H2	KERB305135
G.025.020.H4	25	32	20	30	42	B	H4	KERB305135
G.025.025.H6	25	37	25	34	38,5	B	H6	KERB305135
G.032.025.H5	32	36,5	24,5	38	42	B	H5	KERB305135
G.032.040.H5	32	52	40	38	42	B	H5	KERB305135
G.033.035.H3	33	47	35	36	46	B	H3	KERB305135

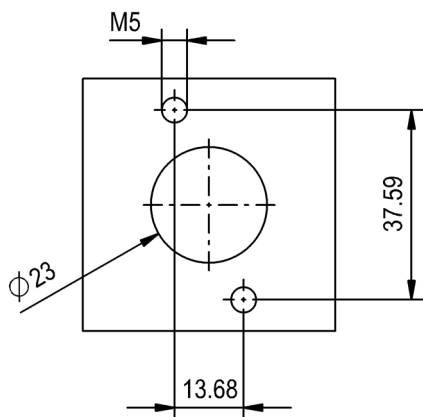
H1:
XE/XD11
XE/XD16



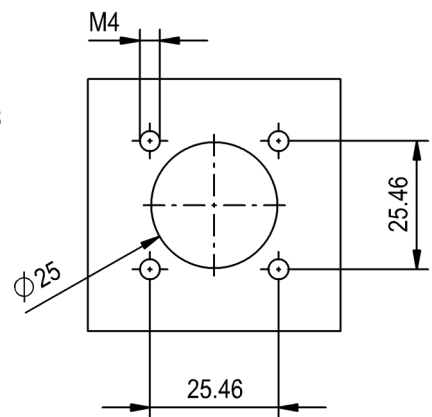
H5:
XD32
XD38II
XD32Y
XD38IY
STL38 Y3



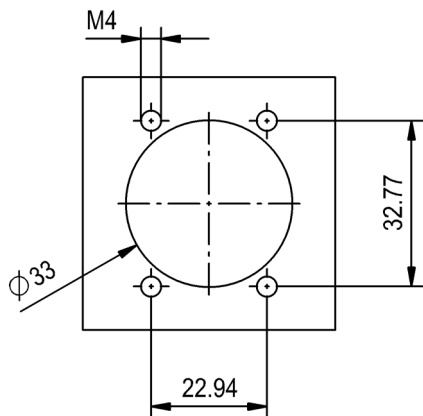
H2:
XE/XD12
XE/XD16



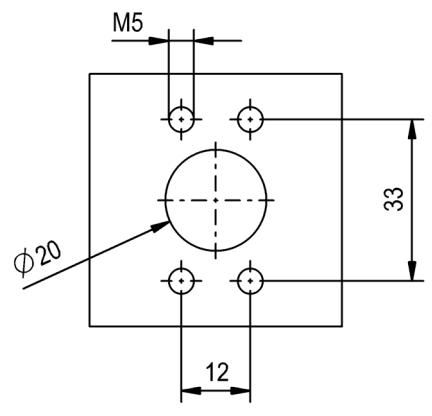
H6:
STL32/38



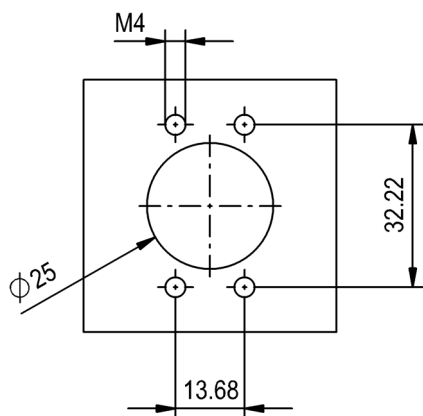
H3:
XE/XD20
XE/XD26
XE/XD35



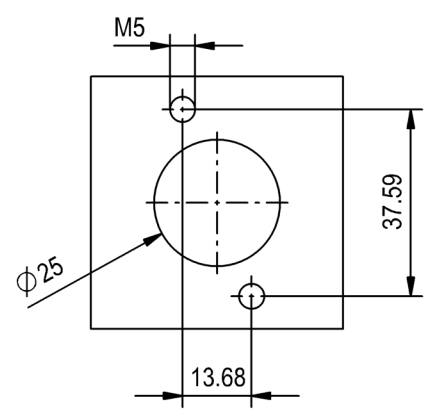
H8:
XD10



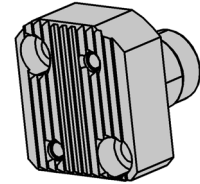
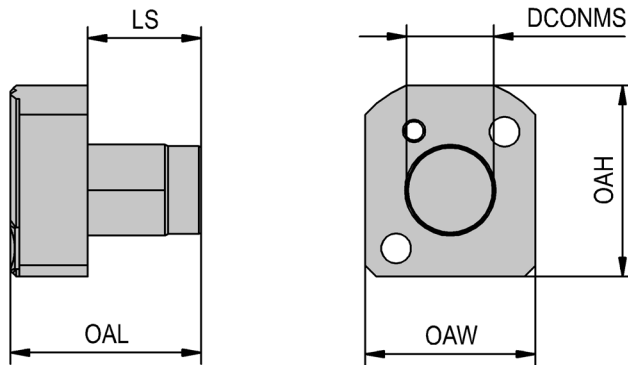
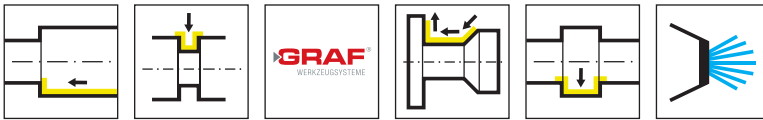
H4:
XD20V
STL 32/38



H10:
XD16

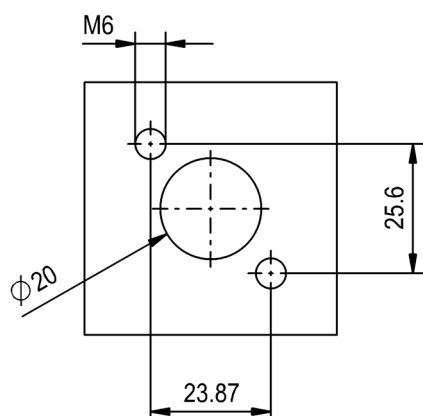


A1

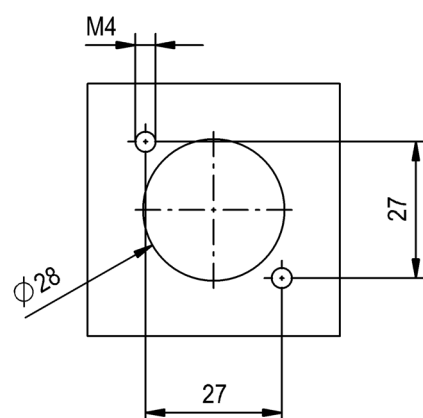


Artikelnummer Part number	DCONMS	OAL	LS	OAW	OAH	Typ Type	Lochbild Hole pattern	Trennstelle W Interface W
G.028.036.CT20	28	48	36	34	43	B	CT20	KERB305135
G.020.025 T01	20	45	25	37,5	42	B	T01	KERB305135

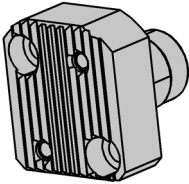
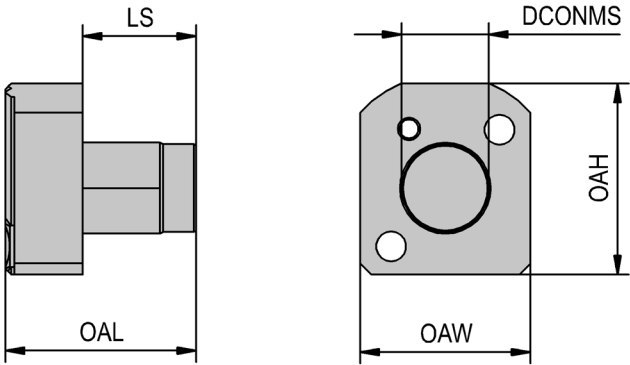
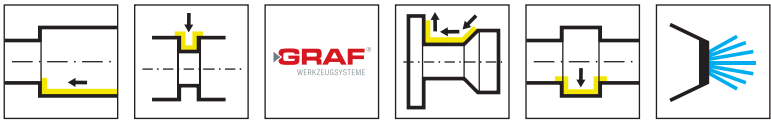
T01:
DT/GT13
DT/GT26
DT/GT32



CT20:
CT28

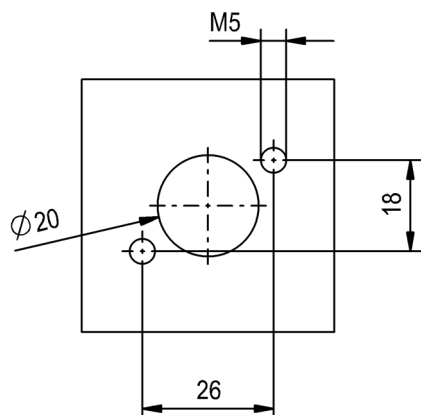


A1

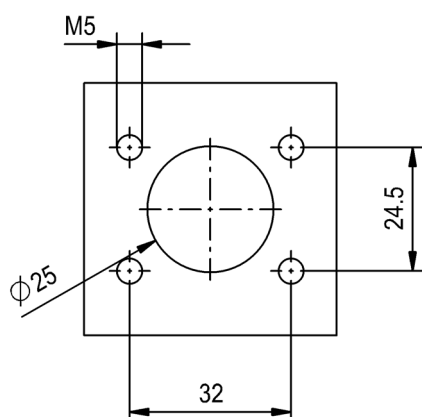


Artikelnummer Part number	DCONMS	OAL	LS	OAW	OAH	Typ Type	Lochbild Hole pattern	Trennstelle W Interface W
G.020.035.TS1	20	60	35	37	36	B	TS1	KERB305135
G.042.030.TS3	42	50	30	44	60	A	TS3	KERB305135

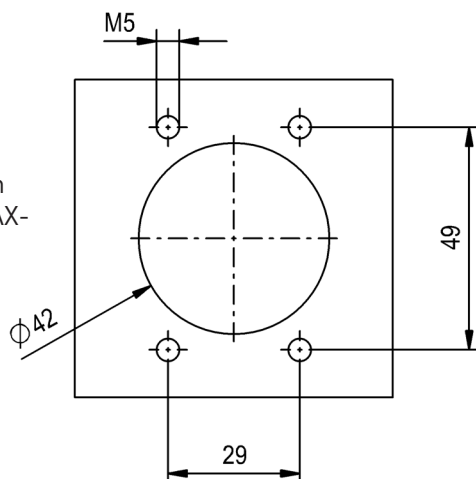
TS1:
S206E

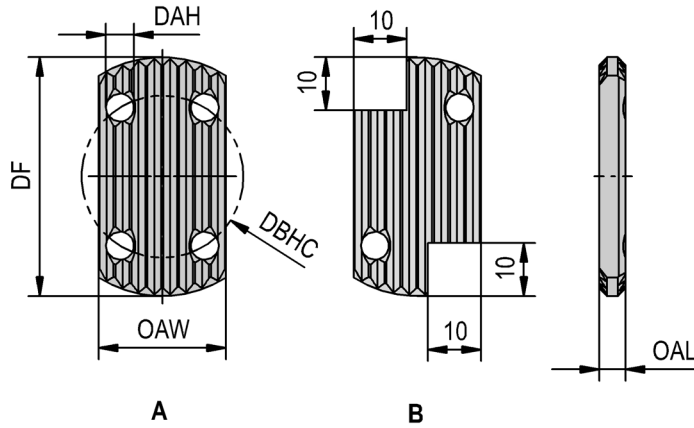


TS2:
D0326
EII unten

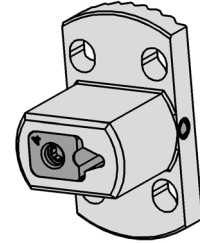
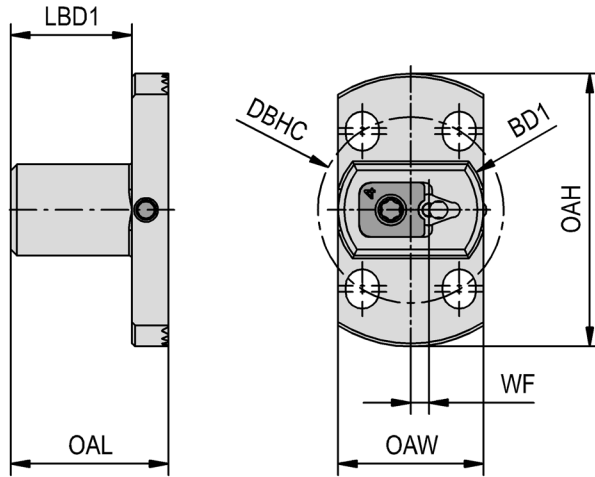
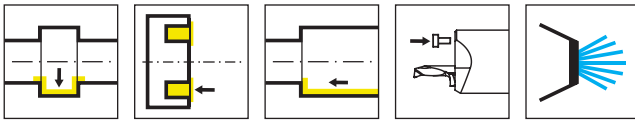


TS3:
BW329 ZE
S206 EII
B0326 EII oben
HS20MH-III-5AX-
90°verdreht





Artikelnummer Part number	OAL	DF	OAW	DAH	Trennstelle M Interface M	Trennstelle W Interface W
Z.5	5	45	24	5,3	KERB305135	KERB305135
Z.10	10	45	24	5,3	KERB305135	KERB305135
Z.15	15	45	24	5,3	KERB305135	KERB305135
Z.20	20	45	24	5,3	KERB305135	KERB305135
Z.25	25	45	24	5,3	KERB305135	KERB305135
Z.30	30	45	24	5,3	KERB305135	KERB305135
Z.5.AS	5	45	24	5,3	KERB305135	KERB305135
Z.10.AS	10	45	24	5,3	KERB305135	KERB305135
Z.15.AS	15	45	24	5,3	KERB305135	KERB305135
Z.20.AS	20	45	24	5,3	KERB305135	KERB305135
Z.25.AS	25	45	24	5,3	KERB305135	KERB305135
Z.30.AS	30	45	24	5,3	KERB305135	KERB305135



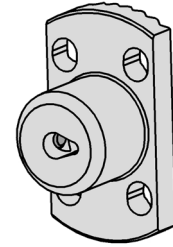
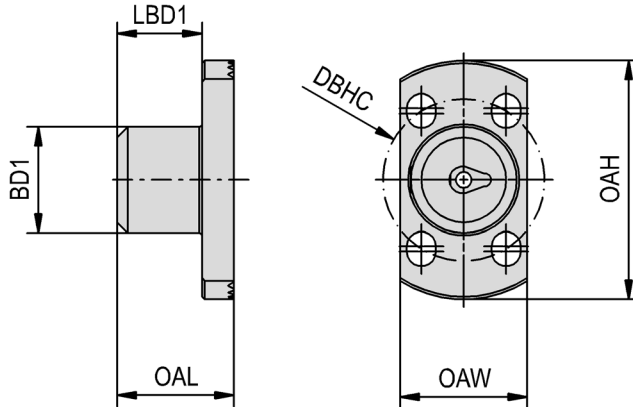
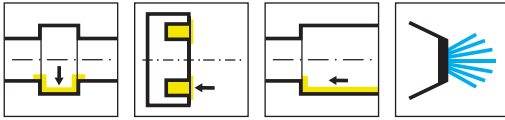
Artikelnummer Part number	OAL	BD1	LBD1	OAW	OAH	WF	DBHC	Trennstelle M Interface M	Trennstelle W Interface W
BKT105.2445.S.03	26	24	20	24	45	3	30,5	KERB305135	10512395N
BKT105.2445.S.04	26	24	20	24	45	3	30,5	KERB305135	10512495N
BKT105.2445.S.05	26	24	20	24	45	3	30,5	KERB305135	10512595N

Ersatzteile

Spare Parts

Einstellbare Halter Adjustable holder	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
BKT105.2445.S.03	010.0105.03	T15PL
BKT105.2445.S.04	010.0105.04	T15PL
BKT105.2445.S.05	010.0105.05	T15PL

A1



Artikelnummer Part number	OAL	BD1	LBD1	OAW	OAH	DBHC	Trennstelle M Interface M	Trennstelle W Interface W
BKT105.2445.01	22	20	16	24	45	30,5	KERB305135	10512395N • 10512495N • 10512595N
BKT105.2445.02	32	20	26	24	45	30,5	KERB305135	10522595N

Ersatzteile

Spare Parts

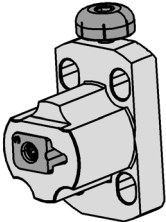
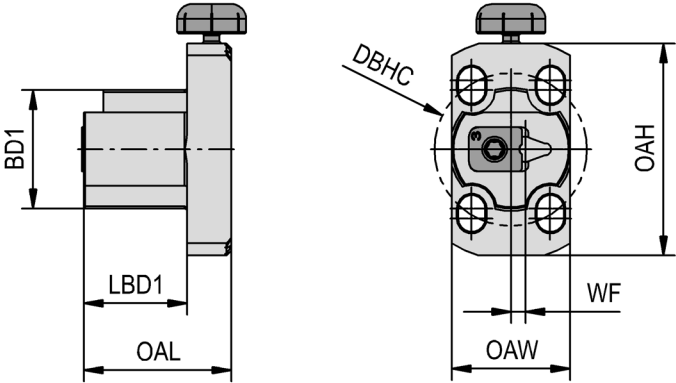
Einstellbare Halter Adjustable holder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
BKT105...	6.075T15P	T15PQ

Einstellbare Halter

Adjustable holder



A1



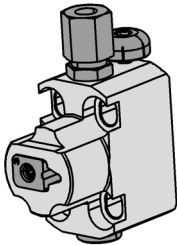
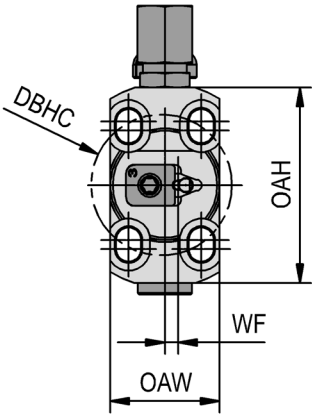
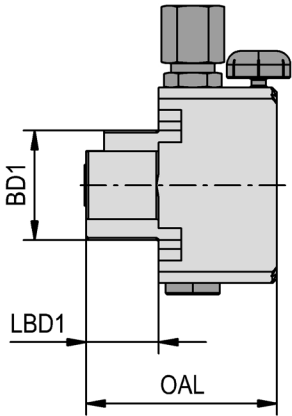
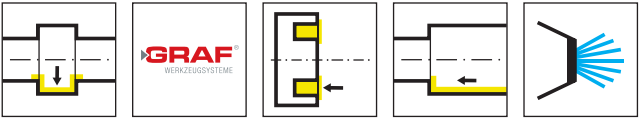
Artikelnummer Part number	OAL	BD1	LBD1	OAW	OAH	WF	DBHC	Typ Type	Trennstelle M Interface M	Trennstelle W Interface W
N.09.S.03	30	24	21	24	43	3	30,5	A	KERB305135	10512395N
N.09.S.04	30	24	21	24	43	3	30,5	A	KERB305135	10512495N
N.09.S.05	30	24	21	24	43	3	30,5	A	KERB305135	10512595N

Einstellbare Halter

Adjustable holder



A1



Artikelnummer Part number	OAL	BD1	LBD1	OAW	OAH	WF	DBHC	Typ Type	Trennstelle M Interface M	Trennstelle W Interface W
N.09.S.IK.03	42	24	16	24	43	3	30,5	A	KERB305135	10512395N
N.09.S.IK.04	42	24	16	24	43	3	30,5	A	KERB305135	10512495N
N.09.S.IK.05	42	24	16	24	43	3	30,5	A	10512595N	10512495N

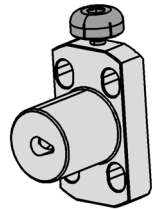
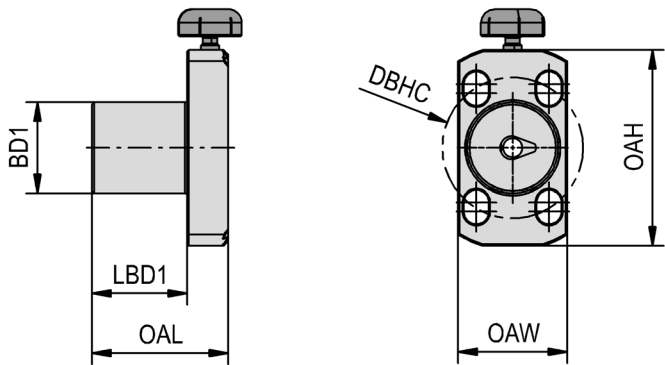
Einstellbare Halter

Adjustable holder

N



A1



Artikelnummer Part number	OAL	BD1	LBD1	OAW	OAH	DBHC	Trennstelle M Interface M	Trennstelle W Interface W
N.09	30	20	21	24	43	30,5	KERB305135	10512395N • 10512495N • 10512595N

Ersatzteile

Spare Parts

Einstellbare Halter Adjustable holder	Spannschraube Clamping Screw
N.09	6.075T15P

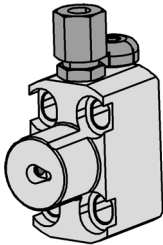
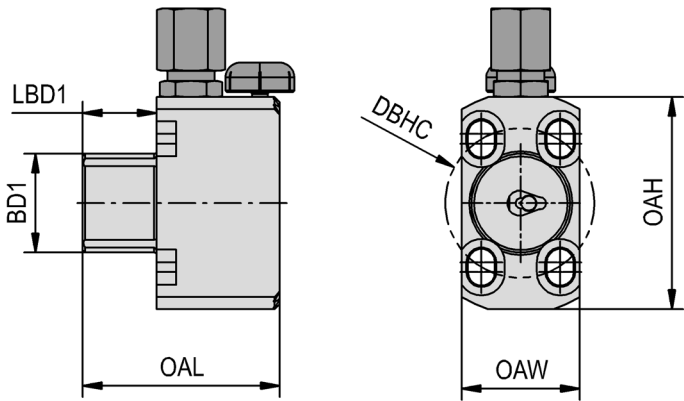
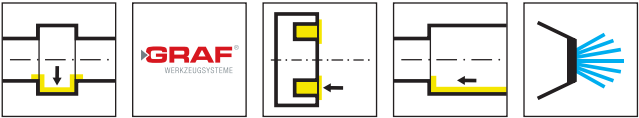
Einstellbare Halter

Adjustable holder

N



A1



Artikelnummer Part number	OAL	BD1	LBD1	OAW	OAH	DBHC	Trennstelle M Interface M	Trennstelle W Interface W
N.09.IK	40	20	15	24	45	30,5	KERB305135	10512395N • 10512495N • 10512595N

Ersatzteile

Spare Parts

Einstellbare Halter Adjustable holder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply
N.09.IK	6.075T15P	004.00.19

Einstellbare Halter

Adjustable holder



A1

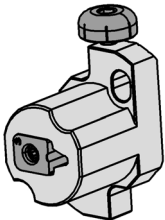
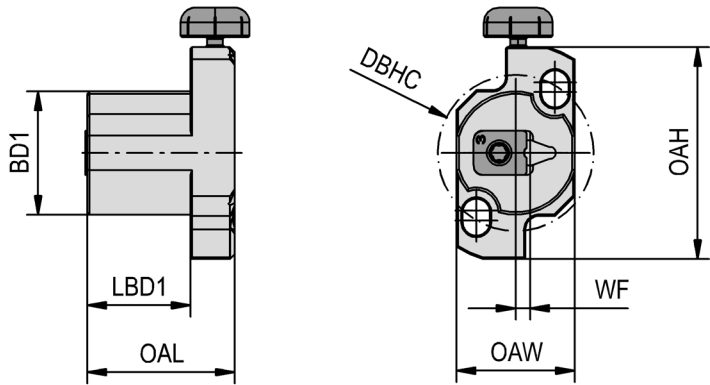


Abbildung = rechtsschneidend
Picture = right hand cutting version

Artikelnummer Part number	OAL	BD1	LBD1	OAW	OAH	WF	DBHC	Trennstelle M Interface M	Trennstelle W Interface W
N.73.S.03	30	24	21	24	43	3	30,5	KERB305135	10512395N
N.73.S.04	30	24	21	24	43	3	30,5	KERB305135	10512495N
N.73.S.05	30	24	21	24	43	3	30,5	KERB305135	10512595N

Einstellbare Halter

Adjustable holder



A1

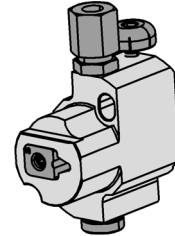
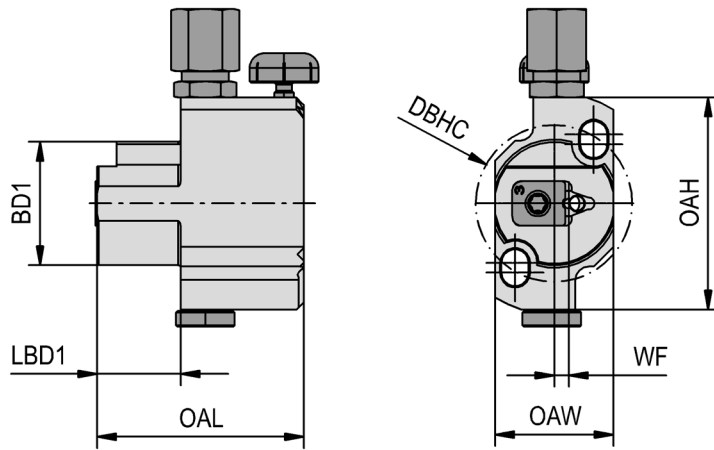
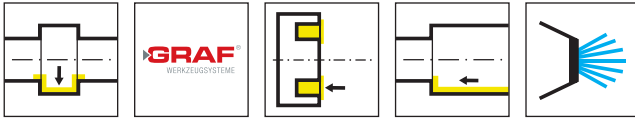


Abbildung = rechtsschneidend
Picture = right hand cutting version

Artikelnummer Part number	OAL	BD1	LBD1	OAW	OAH	WF	DBHC	Trennstelle M Interface M	Trennstelle W Interface W
N.73.S.IK.03	42	25	17	24	43	3	30,5	KERB305135	10512395N
N.73.S.IK.04	42	25	17	24	43	3	30,5	KERB305135	10512495N
N.73.S.IK.05	42	25	17	24	43	3	30,5	KERB305135	10512595N

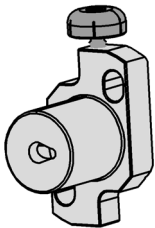
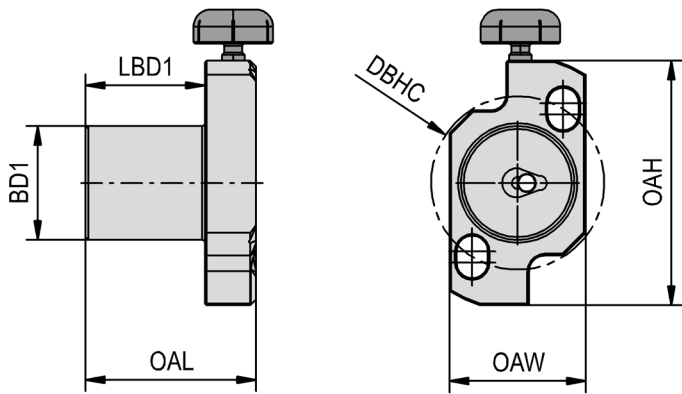
Einstellbare Halter

Adjustable holder

N



A1



Artikelnummer Part number	OAL	BD1	LBD1	OAW	OAH	DBHC	Trennstelle M Interface M	Trennstelle W Interface W
N.73	30	20	21	24	43	30,5	KERB305135	10512395N • 10512495N • 10512595N

Ersatzteile

Spare Parts

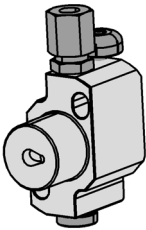
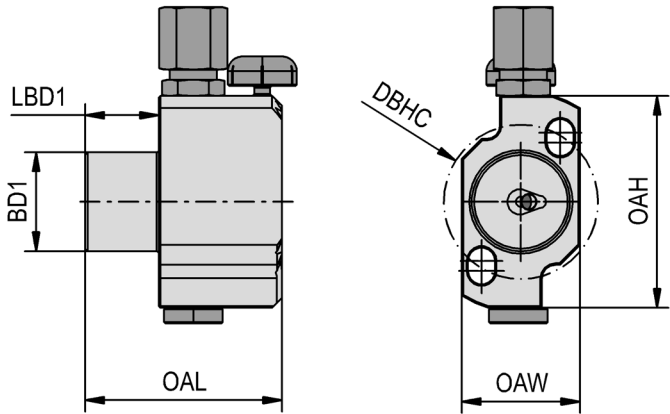
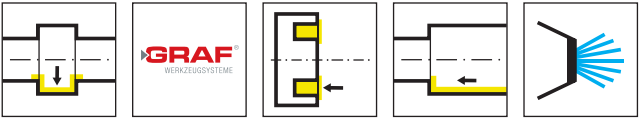
Einstellbare Halter Adjustable holder	Spannschraube Clamping Screw
N.73	6.075T15P

Einstellbare Halter
Adjustable holder

N



A1



Artikelnummer Part number	OAL	BD1	LBD1	OAW	OAH	DBHC	Trennstelle M Interface M	Trennstelle W Interface W
N.73.IK	40	20	15	24	43	30,5	KERB305135	10512395N • 10512495N • 10512595N

Ersatzteile
Spare Parts

Einstellbare Halter Adjustable holder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply
N.73.IK	6.075T15P	004.00.19

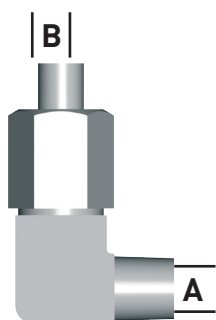
Kühlmittelanschluss Standard für Rohr Ø 6 mm

Standard connection for coolant supply for pipe Ø 6 mm



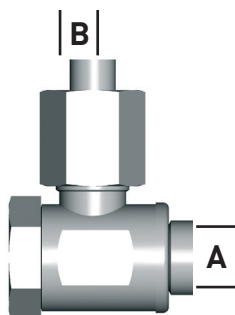
Kühlmittelanschluss,
gerade
Connection for coolant supply
straight screwed

Bestellnummer Part number	A	B
004.00.19	M8 x 1	Ø 6 mm
004.00.14	G1/8"	Ø 6 mm



Kühlmittelanschluss,
winkelig fest
Connection for coolant supply
angled and fix

Bestellnummer Part number	A	B
004.00.22	M8 x 1	Ø 6 mm
004.00.33	G1/8"	Ø 6 mm



Schwenkverschraubung
Swivelling screw-fitting

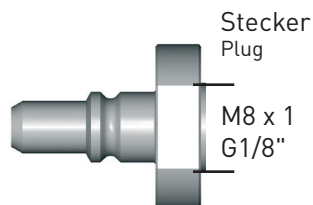
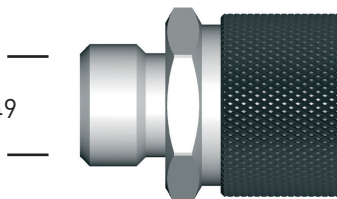
Bestellnummer Part number	A	B
004.00.61	M8 x 1	Ø 6 mm
004.00.16	G1/8"	Ø 6 mm

Kühlmittelanschluss Schnellkupplung

Clip connection for coolant supply

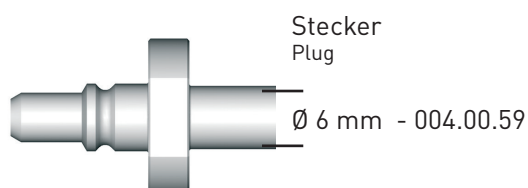
Schnellkupplung
Quick connector

M10 x 1 - 004.00.49



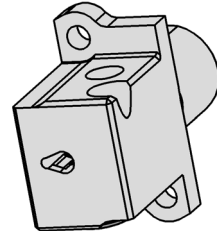
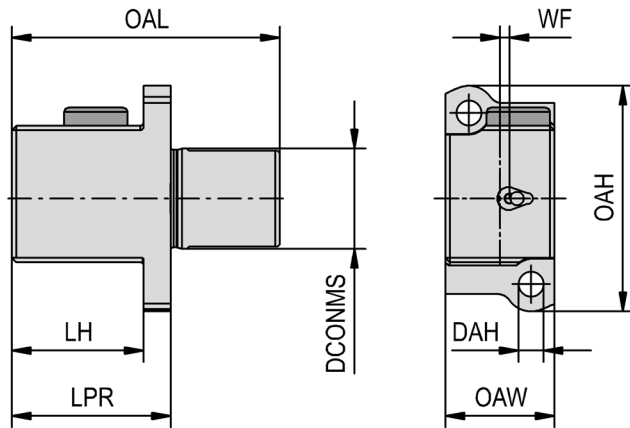
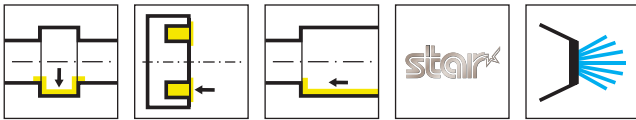
Stecker
Plug

M8 x 1 - 004.00.56
G1/8" - 004.00.57



Stecker
Plug

Ø 6 mm - 004.00.59



L = Linksausführung
L = left hand version

Artikelnummer Part number	DCONMS	OAL	LH	OAW	OAH	WF	LPR	DAH	Trennstelle W Interface W
LB105.A022.26.31	22	59	29	24	49,6	2,1	35	5,5	10512395N • 10512495N • 10512595N

Star Langdrehautomaten:

ECAS-12/20, SB16D/E, SR-20, SR20J/JN, RS-20RII, RS-20RIII, RS-20RIV, RS-32J/JN, SW-12RIII

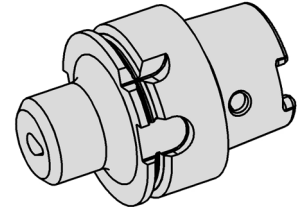
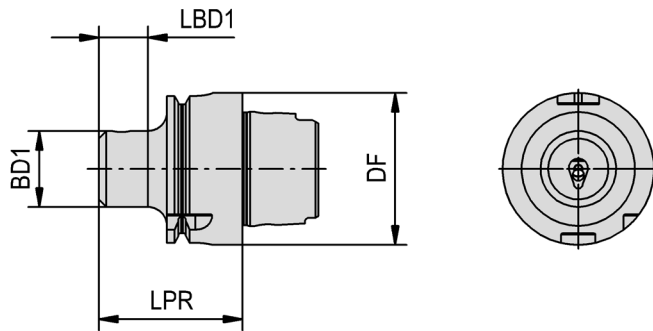
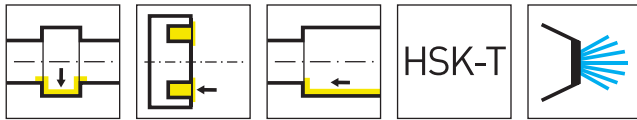
Swiss Type Machines Star:

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	TORX PLUS®-Schlüssel TORX PLUS® Wrench	Verschlusschraube Screw Plug
LB105.A022.26.31	T10PL	18.908



R = rechts wie gezeichnet
R = right hand version shown

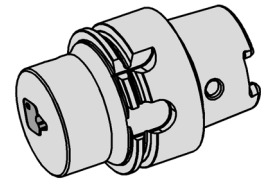
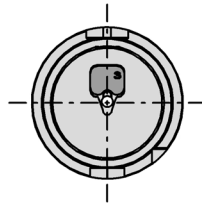
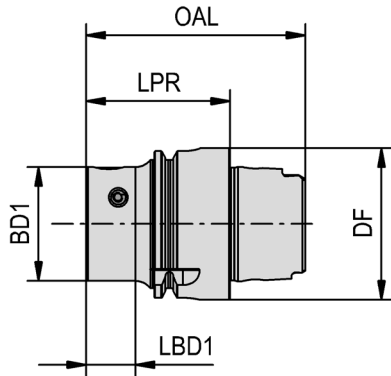
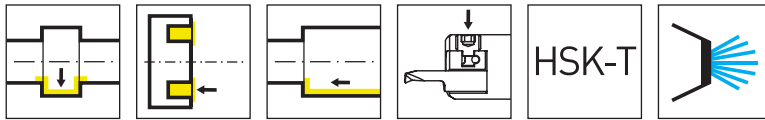
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	OAL	DF	BD1	LBD1	LPR	Trennstelle W Interface W
HSKT40.RB105.20.1.01	57,9	40	20	13	38	10512395N • 10512495N • 10512595N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT40.RB105.20.1.01	6.075T15P	T15PQ

A1



R = rechts wie gezeichnet
R = right hand version shown

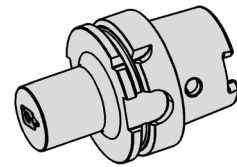
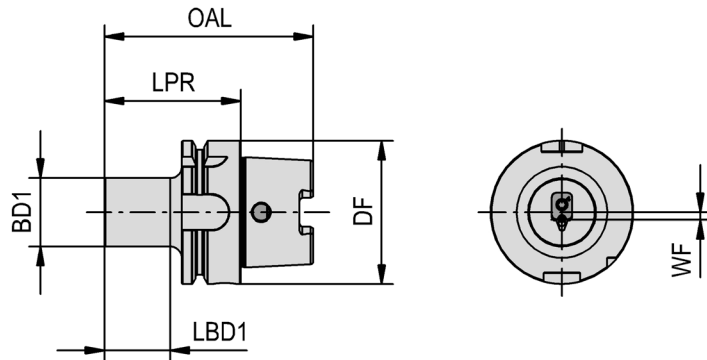
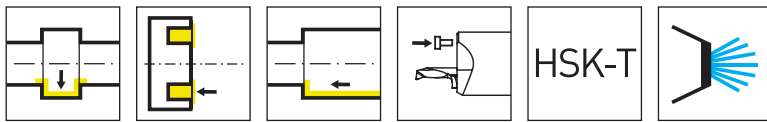
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	OAL	DF	BD1	LBD1	WF	LPR	Trennstelle W Interface W
RB105.HSKT40.A.03	57,9	40	30	13	2	38	10512395N
RB105.HSKT40.A.04	57,9	40	30	13	2	38	10512495N
RB105.HSKT40.A.05	57,9	40	30	13	2	38	10512595N
LB105.HSKT40.A.03	57,9	40	30	13	2	38	10512395N
LB105.HSKT40.A.04	57,9	40	30	13	2	38	10512495N
LB105.HSKT40.A.05	57,9	40	30	13	2	38	10512595N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB105.HSKT40.A.03	010.0003.0668	T25PQ
R/LB105.HSKT40.A.04	010.0004.0667	T25PQ
R/LB105.HSKT40.A.05	010.0005.0663	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

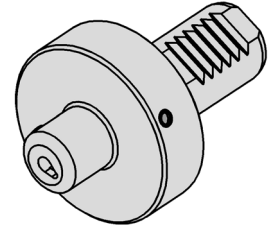
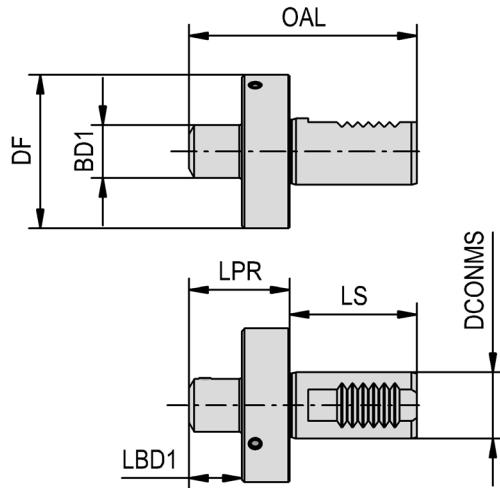
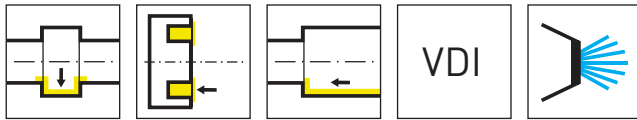
Artikelnummer Part number	OAL	DF	BD1	LBD1	WF	LPR	Trennstelle W Interface W
RB105.HSKT63.S.03	91,9	63	30	29	3	60	10512395N
RB105.HSKT63.S.04	91,9	63	30	29	3	60	10512495N
RB105.HSKT63.S.05	91,9	63	30	29	3	60	10512595N
LB105.HSKT63.S.03	91,9	63	30	29	3	60	10512395N
LB105.HSKT63.S.04	91,9	63	30	29	3	60	10512495N
LB105.HSKT63.S.05	91,9	63	30	29	3	60	10512595N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB105.HSKT63.S.03	010.0105.03	T15PL
R/LB105.HSKT63.S.04	010.0105.04	T15PL
R/LB105.HSKT63.S.05	010.0105.05	T15PL

A1



R = rechts wie gezeichnet
R = right hand version shown

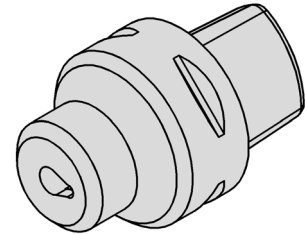
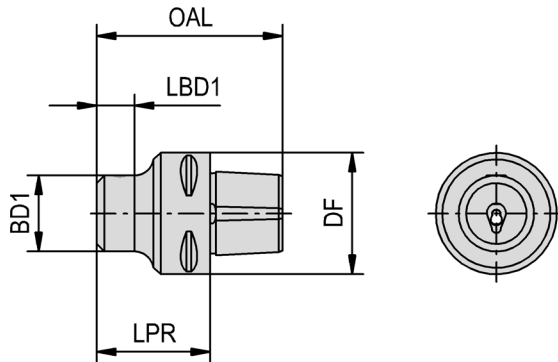
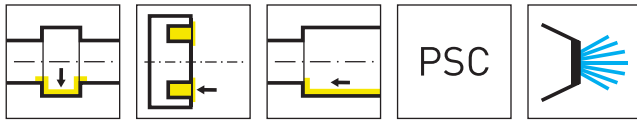
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	OAL	DF	LS	BD1	LBD1	LPR	Trennstelle W Interface W
VDI16.R105.20.01	16	70	40	32	20	20	38	10512395N • 10512495N • 10512595N
VDI20.R105.20.01	20	70	50	40	20	20	38	10512395N • 10512495N • 10512595N
VDI25.R105.20.01	25	86	58	48	20	20	38	10512395N • 10512495N • 10512595N
VDI30.R105.20.01	30	93	68	55	20	20	38	10512395N • 10512495N • 10512595N
VDI40.R105.20.01	40	101	68	63	20	20	38	10512395N • 10512495N • 10512595N
VDI16.L105.20.01	16	70	40	32	20	20	38	10512395N • 10512495N • 10512595N
VDI20.L105.20.01	20	70	50	40	20	20	38	10512395N • 10512495N • 10512595N
VDI25.L105.20.01	25	86	58	48	20	20	38	10512395N • 10512495N • 10512595N
VDI30.L105.20.01	30	93	68	55	20	20	38	10512395N • 10512495N • 10512595N
VDI40.L105.20.01	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



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

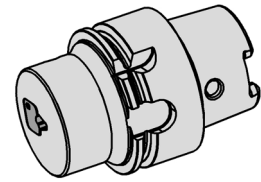
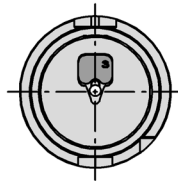
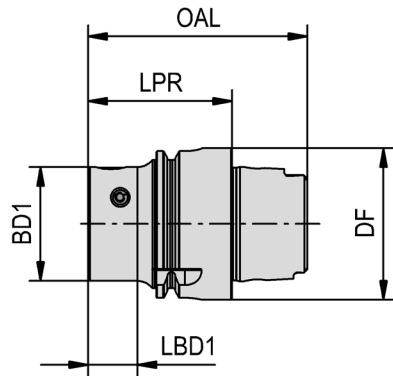
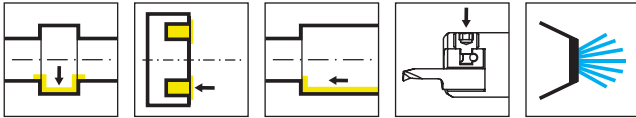
Artikelnummer Part number	OAL	DF	BD1	LBD1	LPR	Trennstelle W Interface W
RB105.00C3.20.1.01	49	32	20	10	30	10512395N • 10512495N • 10512595N
RB105.00C4.20.1.01	62	40	20	13	38	10512395N • 10512495N • 10512595N
RB105.00C5.20.1.01	68	50	20	13	38	10512395N • 10512495N • 10512595N
RB105.00C6.20.1.01	80	63	20	15	42	10512395N • 10512495N • 10512595N
LB105.00C3.20.1.01	49	32	20	10	30	10512395N • 10512495N • 10512595N
LB105.00C4.20.1.01	62	40	20	13	38	10512395N • 10512495N • 10512595N
LB105.00C5.20.1.01	68	50	20	13	38	10512395N • 10512495N • 10512595N
LB105.00C6.20.1.01	80	63	20	15	42	10512395N • 10512495N • 10512595N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB105...	6.075T15P	T15PQ

A1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

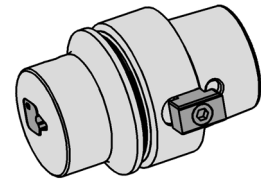
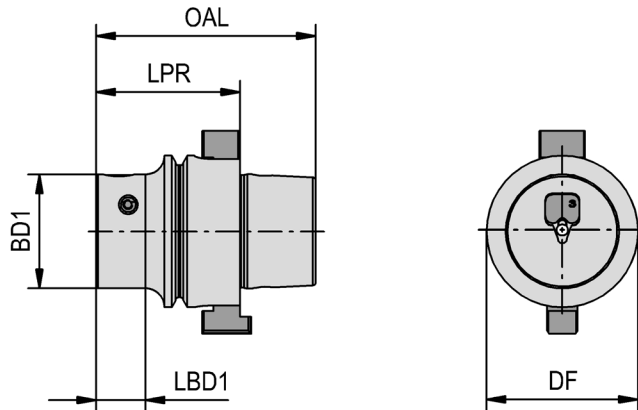
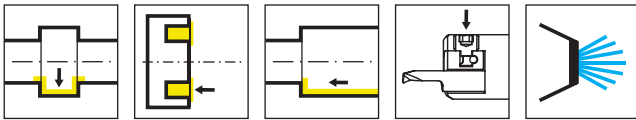
Artikelnummer Part number	OAL	DF	BD1	LBD1	WF	LPR	Trennstelle W Interface W
RB105.HSKA40.A.03.BU	57,9	40	30	13	2	38	10512395N
RB105.HSKA40.A.04.BU	57,9	40	30	13	2	38	10512495N
RB105.HSKA40.A.05.BU	57,9	40	30	13	2	38	10512595N

für Bumotec-Maschinen
suitable for Bumotec machines

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RB105.HSKA40.A.03.BU	010.0003.0668	T25PQ
RB105.HSKA40.A.04.BU	010.0004.0667	T25PQ
RB105.HSKA40.A.05.BU	010.0005.0663	T25PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	OAL	DF	BD1	LBD1	WF	LPR	Trennstelle W Interface W
RB105.HSKE40.A.03.WM	58	40	30	13	2	38	10512395N
RB105.HSKE40.A.04.WM	58	40	30	13	2	38	10512495N
RB105.HSKE40.A.05.WM	58	40	30	13	2	38	10512595N
LB105.HSKE40.A.03.WM	58	40	30	13	2	38	10512395N
LB105.HSKE40.A.04.WM	58	40	30	13	2	38	10512495N
LB105.HSKE40.A.05.WM	58	40	30	13	2	38	10512595N

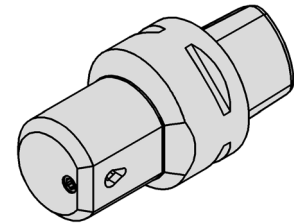
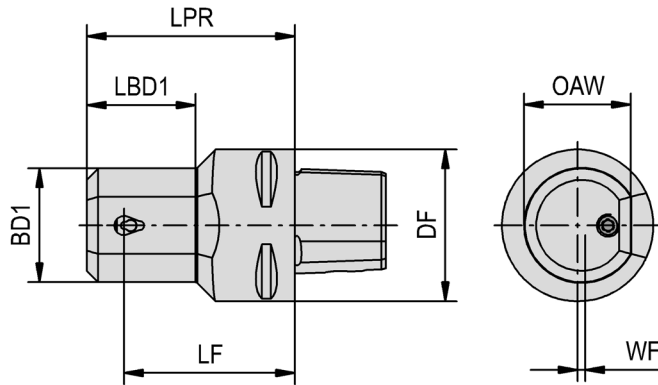
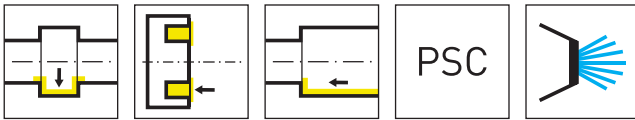
für Willemin-Macodel-Maschinen
suitable for Willemin-Macodel machines

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannelement Clamping element	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB105.HSKE40.A.03.WM	010.0003.0668	T25PQ
R/LB105.HSKE40.A.04.WM	010.0004.0667	T25PQ
R/LB105.HSKE40.A.05.WM	010.0005.0663	T25PQ

A1

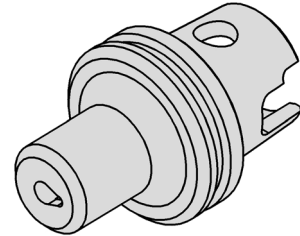
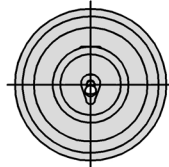
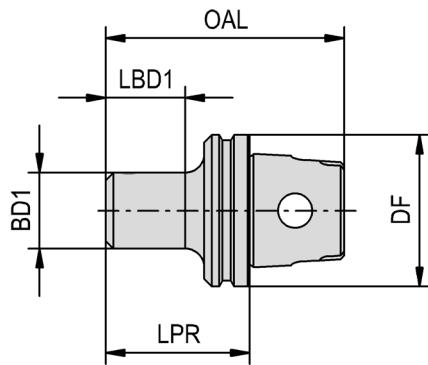
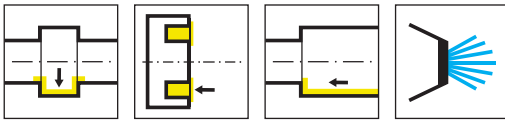


Artikelnummer Part number	DF	BD1	LBD1	OAW	WF	LPR	LF	Trennstelle W Interface W
RB105.00C3.2.2.01	32	30	38	28	1	55	45	10512395N • 10512495N • 10512595N
RB105.00C3.2.2.02	32	36	40	34	1	55	45	10512395N • 10512495N • 10512595N
RB105.00C4.2.2.01	40	30	29	28	1	55	45	10512395N • 10512495N • 10512595N
RB105.00C4.2.2.02	40	36	33	34	1	55	45	10512395N • 10512495N • 10512595N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RB105...	6.075T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

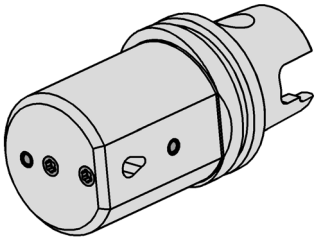
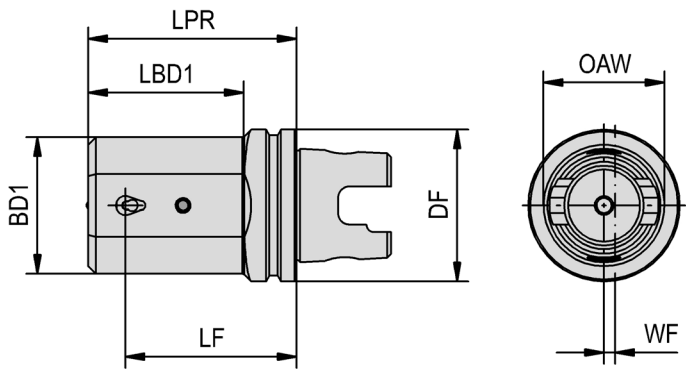
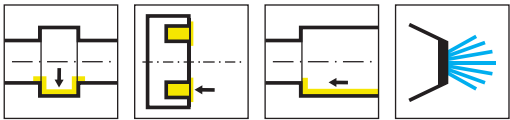
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	OAL	DF	BD1	LBD1	LPR	Trennstelle W Interface W
RB105.TS40.20.1.01	63	40	20	21	38	10512395N • 10512495N • 10512595N
LB105.TS40.20.1.01	63	40	20	21	38	10512395N • 10512495N • 10512595N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB105.TS40.20.1.01	6.075T15P	T15PQ

A1

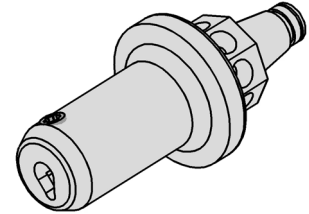
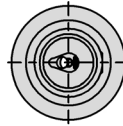
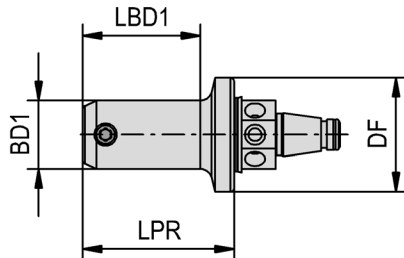
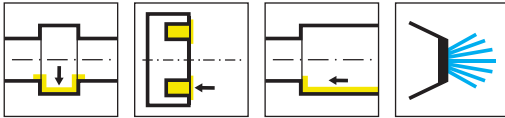


R = rechts wie gezeichnet
R = right hand version shown

Artikelnummer Part number	DF	BD1	LBD1	OAW	WF	LPR	LF	Trennstelle W Interface W
RB105.TS40.2.2.02	40	36	41	34	2	55	45	10522395N • 10522495N • 10522585N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RB105.TS40.2.2.02	6.075T15P	T15PQ

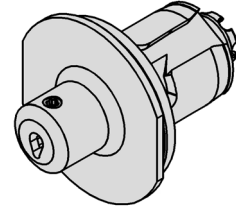
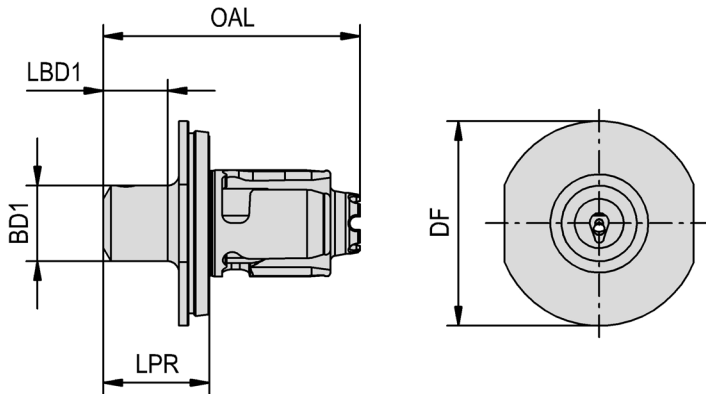
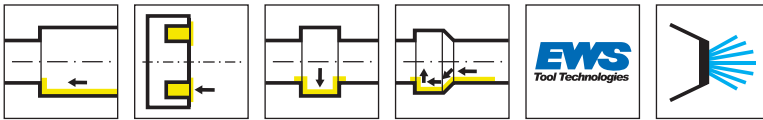


Artikelnummer Part number	OAL	DF	BD1	LBD1	LPR	Trennstelle M Interface M	Trennstelle W Interface W
WFB.2H0.105	68	30	18	31	40		10512395N • 10512495N • 10512595N
WFB.2H0.105.055	83	30	18	46	55	05000181	10512395N • 10512495N • 10512595N
WFB.3H0.105	81	50	18	32	40	05000181	10512395N • 10512495N • 10512595N
WFB.3H0.105.055	96	50	18	47	55	05000181	10512395N • 10512495N • 10512595N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
WFB...	6.075T15P	T15PQ

A1



R = rechts wie gezeichnet
R = right hand version shown

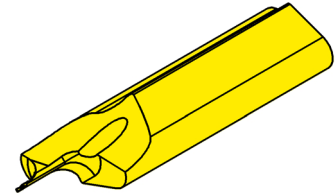
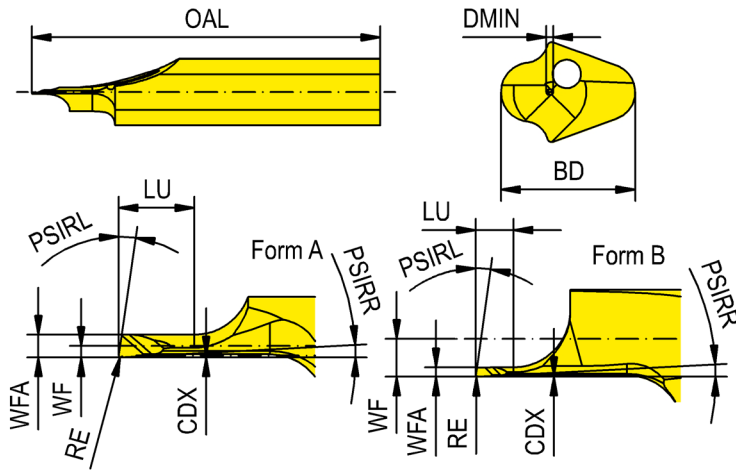
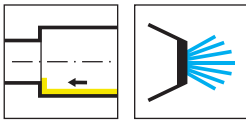
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	OAL	DF	BD1	LBD1	LPR	Trennstelle W Interface W
RB105.VXT3.1.01.EWS	67,85	54	19,9	17	28	10512395N • 10512495N • 10512595N
LB105.VXT3.1.01.EWS	67,85	54	19,9	17	28	10512395N • 10512495N • 10512595N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB105.VXT3.1.01.EWS	6.075T15P	T15PQ



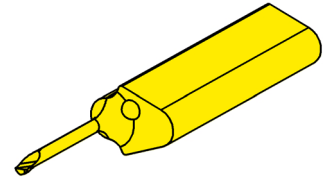
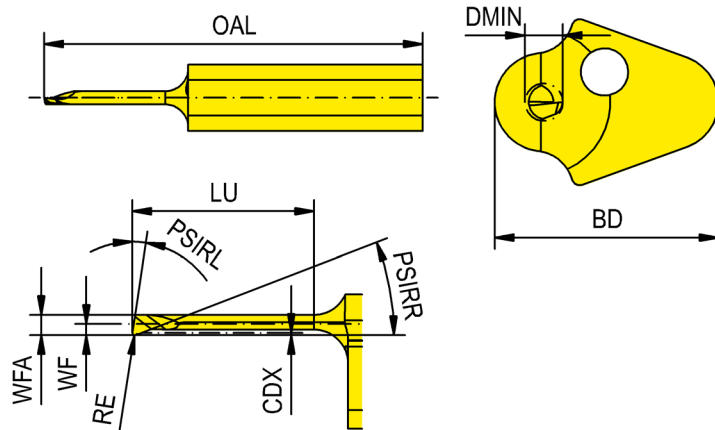
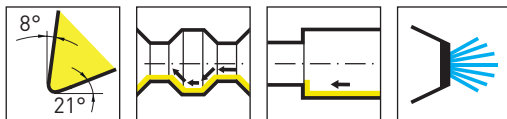
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Form	Trennstelle M Interface M	EG35	IG35
R105.1802.0.02	0,2	1	0,02	0,02	8°	4°	1	0,17	23	5,9	B	10512395N	Δ	
R105.1802.0.03	0,3	1	0,02	0,02	8°	3°	1	0,25	23	5,9	B	10512395N	Δ	
R105.1802.0.05	0,5	2	0,05	0,05	8°	3°	1	0,4	23	5,9	B	10512395N	▲	▲
R105.1803.0.07	0,7	2	0,05	0,05	8°	3°	0,3	0,6	23	5,9	A	10512395N	▲	▲
L105.1802.0.02	0,2	1	0,02	0,02	8°	4°	1	0,17	23	5,9	B	10512395N	Δ	
L105.1802.0.03	0,3	1	0,02	0,02	8°	3°	1	0,25	23	5,9	B	10512395N	Δ	
L105.1802.0.05	0,5	2	0,05	0,05	8°	3°	1	0,4	23	5,9	B	10512395N	Δ	
L105.1803.0.07	0,7	2	0,05	0,05	8°	3°	0,3	0,6	23	5,9	A	10512395N	Δ	
													P	●
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A1



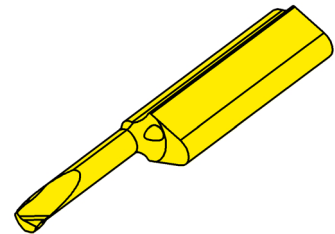
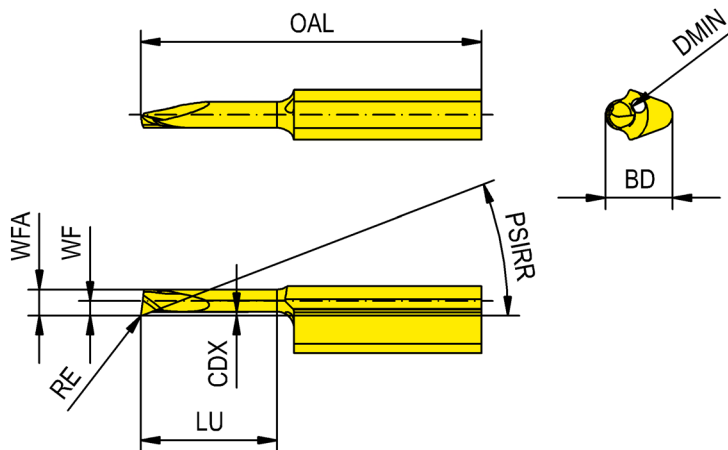
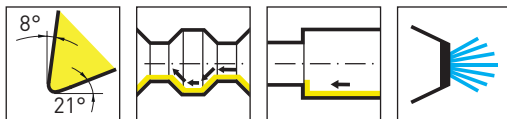
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35	T125	TN35
R105.1805.005.0.1	1	4	0,05	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	▲	▲	▲		
R105.1805.005.1.1	1	6	0,05	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	▲	▲	▲		
R105.1805.005.2.1	1	8	0,05	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	Δ	▲	▲		
R105.1805.0.1	1	4	0,1	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	▲	▲		▲	▲
R105.1805.1.1	1	6	0,1	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	▲	▲		▲	▲
R105.1805.2.1	1	8	0,1	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	▲	▲		▲	▲
R105.1813.005.0.15	1,5	6	0,05	0,15	8°	21°	1,3	1,4	25	5,9	10512395N	▲	▲	▲		
R105.1813.005.1.15	1,5	9	0,05	0,15	8°	21°	1,3	1,4	25	5,9	10512395N	▲	▲	▲		
R105.1813.005.2.15	1,5	12	0,05	0,15	8°	21°	1,3	1,4	30	5,9	10512395N	▲	▲	▲		
R105.1813.01.0.15	1,5	6	0,1	0,15	8°	21°	1,3	1,4	25	5,9	10512395N	▲	▲	▲	▲	
R105.1813.01.1.15	1,5	9	0,1	0,15	8°	21°	1,3	1,4	25	5,9	10512395N	▲	▲	▲	▲	
R105.1813.01.2.15	1,5	12	0,1	0,15	8°	21°	1,3	1,4	30	5,9	10512395N	Δ	▲	▲	▲	
L105.1805.005.0.1	1	4	0,05	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	Δ		▲		
L105.1805.005.1.1	1	6	0,05	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	Δ		▲		
L105.1805.005.2.1	1	8	0,05	0,1	8°	21°	0,5	0,9	25	5,9	10512395N			▲		
L105.1805.0.1	1	4	0,1	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	▲			▲	▲
L105.1805.1.1	1	6	0,1	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	▲			▲	▲
L105.1805.2.1	1	8	0,1	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	Δ			Δ	▲
L105.1813.005.0.15	1,5	6	0,05	0,15	8°	21°	1,3	1,4	25	5,9	10512395N	Δ		▲		
L105.1813.005.1.15	1,5	9	0,05	0,15	8°	21°	1,3	1,4	25	5,9	10512395N	Δ		▲		
L105.1813.005.2.15	1,5	12	0,05	0,15	8°	21°	1,3	1,4	30	5,9	10512395N	Δ				
L105.1813.01.0.15	1,5	6	0,1	0,15	8°	21°	1,3	1,4	25	5,9	10512395N	Δ		▲	▲	
L105.1813.01.1.15	1,5	9	0,1	0,15	8°	21°	1,3	1,4	25	5,9	10512395N	Δ		▲	▲	
L105.1813.01.2.15	1,5	12	0,1	0,15	8°	21°	1,3	1,4	30	5,9	10512395N	Δ		▲	▲	
P												●	●	●	●	●
M												●	●	●	●	-
K												●	●	-	-	●
N												o	o	-	●	-
S												-	o	-	-	-
H												-	-	-	-	-



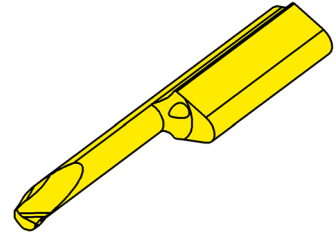
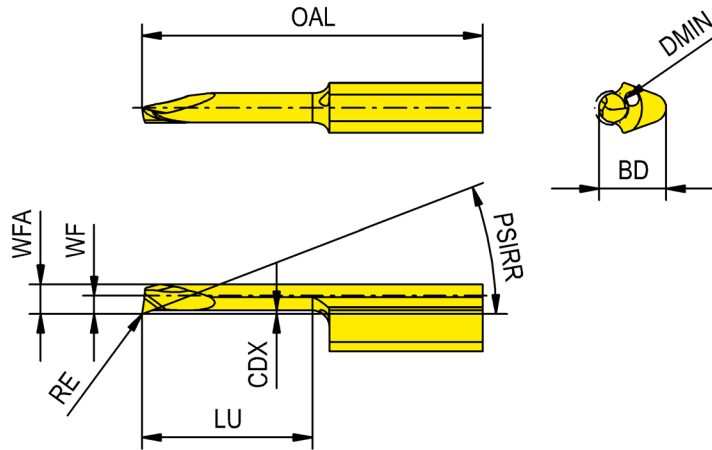
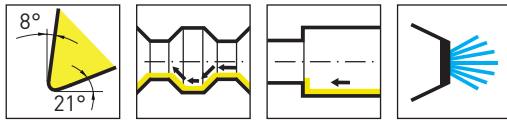
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35	T125	TN35
R105.1809.005.0.2	2	6	0,05	0,15	8°	21°	1	1,9	25	5,9	10512395N	▲	▲	▲		
R105.1809.005.1.2	2	9	0,05	0,15	8°	21°	1	1,9	25	5,9	10512395N	▲	▲	▲		
R105.1809.005.2.2	2	12	0,05	0,15	8°	21°	1	1,9	30	5,9	10512395N	▲	▲	▲		
R105.1809.01.0.2	2	6	0,1	0,15	8°	21°	1	1,9	25	5,9	10512395N	Δ	▲	▲	▲	
R105.1809.01.1.2	2	9	0,1	0,15	8°	21°	1	1,9	25	5,9	10512395N	▲	▲	▲	▲	
R105.1809.01.2.2	2	12	0,1	0,15	8°	21°	1	1,9	30	5,9	10512395N	Δ	▲	▲	▲	
R105.1809.0.2	2	6	0,15	0,15	8°	21°	1	1,9	25	5,9	10512395N	▲	▲	▲	▲	▲
R105.1809.1.2	2	9	0,15	0,15	8°	21°	1	1,9	25	5,9	10512395N	▲	▲	▲	▲	▲
R105.1809.2.2	2	12	0,15	0,15	8°	21°	1	1,9	30	5,9	10512395N	▲	▲	▲	▲	▲
R105.1813.005.0.25	2,5	6	0,05	0,15	8°	21°	1,3	2,3	25	5,9	10512395N	▲	▲	▲		
R105.1813.005.1.25	2,5	9	0,05	0,15	8°	21°	1,3	2,3	25	5,9	10512395N	▲	▲	▲		
R105.1813.005.2.25	2,5	12	0,05	0,15	8°	21°	1,3	2,3	30	5,9	10512395N	Δ	▲	▲		
R105.1813.005.3.25	2,5	16	0,05	0,15	8°	21°	1,3	2,3	35	5,9	10512395N	▲	▲	▲		
L105.1809.005.0.2	2	6	0,05	0,15	8°	21°	1	1,9	25	5,9	10512395N	Δ		▲		
L105.1809.005.1.2	2	9	0,05	0,15	8°	21°	1	1,9	25	5,9	10512395N	Δ		▲		
L105.1809.005.2.2	2	12	0,05	0,15	8°	21°	1	1,9	30	5,9	10512395N	Δ		▲		
L105.1809.01.0.2	2	6	0,1	0,15	8°	21°	1	1,9	25	5,9	10512395N	Δ		▲	▲	
L105.1809.01.1.2	2	9	0,1	0,15	8°	21°	1	1,9	25	5,9	10512395N	Δ		▲	Δ	
L105.1809.01.2.2	2	12	0,1	0,15	8°	21°	1	1,9	30	5,9	10512395N	Δ		▲	▲	
L105.1809.0.2	2	6	0,15	0,15	8°	21°	1	1,9	25	5,9	10512395N	▲		▲	▲	▲
L105.1809.1.2	2	9	0,15	0,15	8°	21°	1	1,9	25	5,9	10512395N	▲		▲	▲	▲
L105.1809.2.2	2	12	0,15	0,15	8°	21°	1	1,9	30	5,9	10512395N	▲		▲	▲	▲
L105.1813.005.0.25	2,5	6	0,05	0,15	8°	21°	1,3	2,3	25	5,9	10512395N	Δ		▲		
L105.1813.005.1.25	2,5	9	0,05	0,15	8°	21°	1,3	2,3	25	5,9	10512395N	Δ		▲		
L105.1813.005.2.25	2,5	12	0,05	0,15	8°	21°	1,3	2,3	30	5,9	10512395N	Δ		▲		
L105.1813.005.3.25	2,5	16	0,05	0,15	8°	21°	1,3	2,3	35	5,9	10512395N	Δ		▲		
P												●	●	●	●	●
M												●	●	●	●	-
K												●	●	-	-	●
N												o	o	-	●	-
S												-	o	-	-	-
H												-	-	-	-	-

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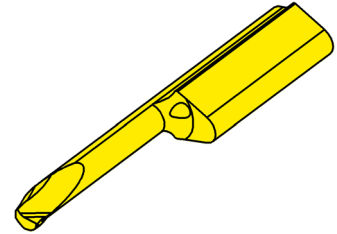
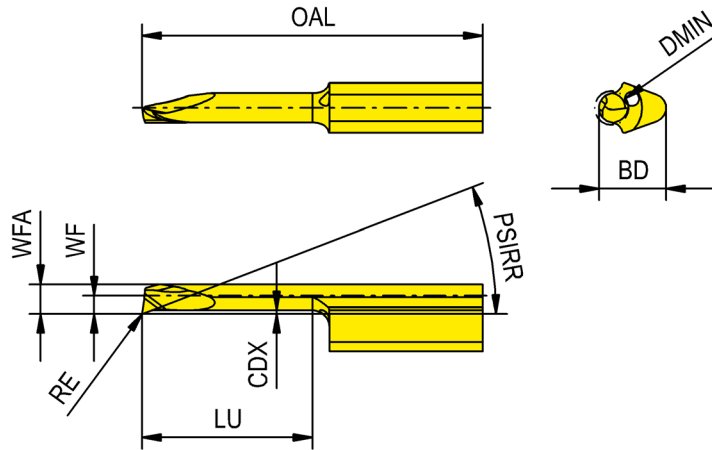
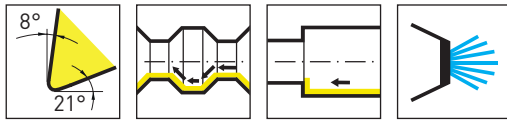


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35	T125	TN35
R105.1813.005.1.3	3	10	0,05	0,15	8°	21°	1,3	2,6	25	5,9	10512395N	▲	▲	▲		
R105.1813.005.2.3	3	15	0,05	0,15	8°	21°	1,3	2,6	30	5,9	10512395N	▲	▲	▲		
R105.1813.005.3.3	3	20	0,05	0,15	8°	21°	1,3	2,6	35	5,9	10512395N	▲	▲	▲		
R105.1813.01.1.3	3	10	0,1	0,15	8°	21°	1,3	2,6	25	5,9	10512395N	▲	▲	▲	▲	
R105.1813.01.2.3	3	15	0,1	0,15	8°	21°	1,3	2,6	30	5,9	10512395N	▲	▲	▲	▲	
R105.1813.01.3.3	3	20	0,1	0,15	8°	21°	1,3	2,6	35	5,9	10512395N	▲	▲	▲	▲	
R105.1813.1.3	3	10	0,2	0,15	8°	21°	1,3	2,6	25	5,9	10512395N	▲	▲	▲	▲	▲
R105.1813.2.3	3	15	0,2	0,15	8°	21°	1,3	2,6	30	5,9	10512395N	▲	▲	▲	▲	▲
R105.1813.3.3	3	20	0,2	0,15	8°	21°	1,3	2,6	35	5,9	10512395N	▲	▲	▲	▲	▲
L105.1813.005.1.3	3	10	0,05	0,15	8°	21°	1,3	2,6	25	5,9	10512395N	Δ		▲		
L105.1813.005.2.3	3	15	0,05	0,15	8°	21°	1,3	2,6	30	5,9	10512395N	Δ		▲		
L105.1813.005.3.3	3	20	0,05	0,15	8°	21°	1,3	2,6	35	5,9	10512395N	Δ		▲		
L105.1813.01.1.3	3	10	0,1	0,15	8°	21°	1,3	2,6	25	5,9	10512395N	Δ		▲	▲	
L105.1813.01.2.3	3	15	0,1	0,15	8°	21°	1,3	2,6	30	5,9	10512395N	Δ		▲	▲	
L105.1813.01.3.3	3	20	0,1	0,15	8°	21°	1,3	2,6	35	5,9	10512395N	Δ		▲	▲	
L105.1813.1.3	3	10	0,2	0,15	8°	21°	1,3	2,6	25	5,9	10512395N	▲	▲	▲	▲	▲
L105.1813.2.3	3	15	0,2	0,15	8°	21°	1,3	2,6	30	5,9	10512395N	▲	▲	▲	▲	▲
L105.1813.3.3	3	20	0,2	0,15	8°	21°	1,3	2,6	35	5,9	10512395N	▲	▲	▲	▲	▲
P	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
N	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○
S	-	○	-	-	-	-	-	-	-	-		-	-	-	-	-
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R = rechts wie gezeichnet
R = right hand version shown

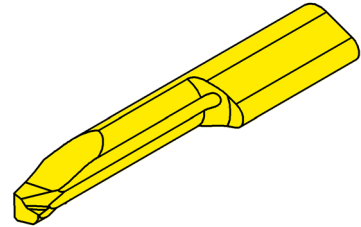
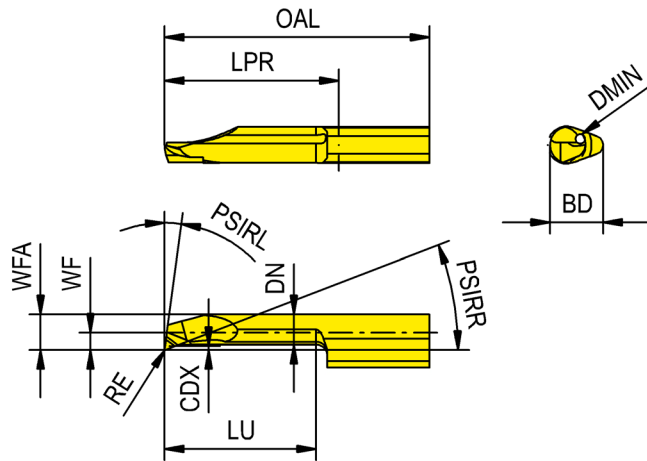
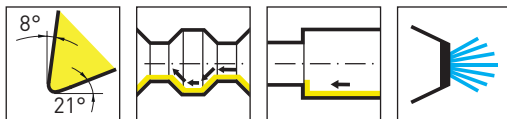
L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35	T125	TN35
R105.1819.005.1.4	4	10	0,05	0,3	8°	21°	1,9	3,7	25	6,4	10512495N	▲	▲	▲		
R105.1819.005.2.4	4	15	0,05	0,3	8°	21°	1,9	3,7	30	6,4	10512495N	▲	▲	▲		
R105.1819.005.3.4	4	20	0,05	0,3	8°	21°	1,9	3,7	35	6,4	10512495N	▲	▲	▲		
R105.1819.1.4	4	10	0,2	0,3	8°	21°	1,9	3,7	25	6,4	10512495N	▲	▲	▲	▲	▲
R105.1819.2.4	4	15	0,2	0,3	8°	21°	1,9	3,7	30	6,4	10512495N	▲	▲	▲	▲	▲
R105.1819.3.4	4	20	0,2	0,3	8°	21°	1,9	3,7	35	6,4	10512495N	▲	▲	▲	▲	▲
L105.1819.005.1.4	4	10	0,05	0,3	8°	21°	1,9	3,7	25	6,4	10512495N	Δ		▲		
L105.1819.005.2.4	4	15	0,05	0,3	8°	21°	1,9	3,7	30	6,4	10512495N	Δ		▲		
L105.1819.005.3.4	4	20	0,05	0,3	8°	21°	1,9	3,7	35	6,4	10512495N	Δ		▲		
L105.1819.1.4	4	10	0,2	0,3	8°	21°	1,9	3,7	25	6,4	10512495N	▲		▲	▲	▲
L105.1819.2.4	4	15	0,2	0,3	8°	21°	1,9	3,7	30	6,4	10512495N	▲		▲	▲	▲
L105.1819.3.4	4	20	0,2	0,3	8°	21°	1,9	3,7	35	6,4	10512495N	▲		▲	▲	▲
P	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
N	o	o	o	o	o	o	o	o	o	o		o	o	o	o	o
S	-	o	-	-	-	-	-	-	-	-		-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-

A1

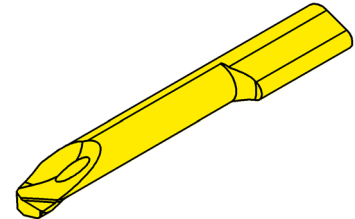
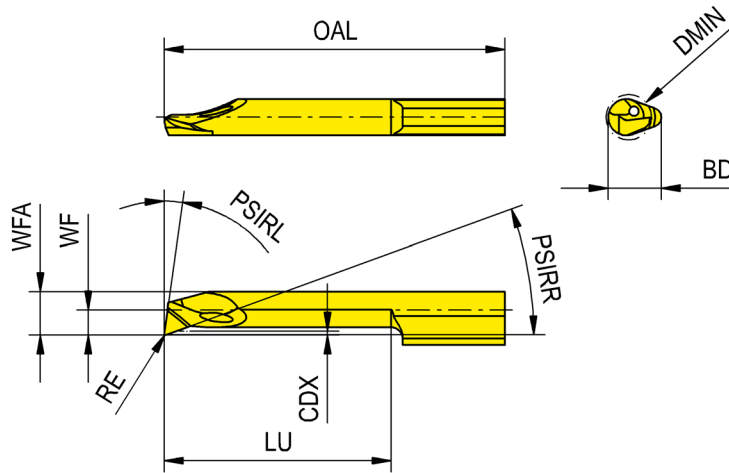
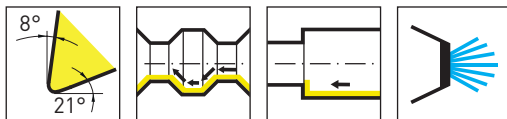


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35	T125	TN35
R105.1823.005.1.5	5	10	0,05	0,5	8°	21°	2,3	4,7	25	7	10512595N	▲	▲	▲		
R105.1823.005.2.5	5	15	0,05	0,5	8°	21°	2,3	4,7	30	7	10512595N	▲	▲	▲		
R105.1823.005.3.5	5	20	0,05	0,5	8°	21°	2,3	4,7	35	7	10512595N	▲	▲	▲		
R105.1823.005.4.5	5	25	0,05	0,5	8°	21°	2,3	4,7	40	7	10512595N	▲	▲	▲		
R105.1823.005.5.5	5	30	0,05	0,5	8°	21°	2,3	4,7	45	7	10512595N	Δ	▲	▲		
R105.1823.1.5	5	10	0,2	0,5	8°	21°	2,3	4,7	25	7	10512595N	▲	▲	▲	▲	▲
R105.1823.2.5	5	15	0,2	0,5	8°	21°	2,3	4,7	30	7	10512595N	▲	▲	▲	▲	▲
R105.1823.3.5	5	20	0,2	0,5	8°	21°	2,3	4,7	35	7	10512595N	▲	▲	▲	▲	▲
R105.1823.4.5	5	25	0,2	0,5	8°	21°	2,3	4,7	40	7	10512595N	▲	▲	▲	▲	▲
R105.1823.5.5	5	30	0,2	0,5	8°	21°	2,3	4,7	45	7	10512595N	▲	▲	▲	▲	▲
R105.1823.6.5	5	35	0,2	0,5	8°	21°	2,3	4,7	50	7	10512595N			Δ		
L105.1823.005.1.5	5	10	0,05	0,5	8°	21°	2,3	4,7	25	7	10512595N	Δ		▲		
L105.1823.005.2.5	5	15	0,05	0,5	8°	21°	2,3	4,7	30	7	10512595N	Δ		▲		
L105.1823.005.3.5	5	20	0,05	0,5	8°	21°	2,3	4,7	35	7	10512595N	Δ		▲		
L105.1823.005.4.5	5	25	0,05	0,5	8°	21°	2,3	4,7	40	7	10512595N	▲		▲		
L105.1823.005.5.5	5	30	0,05	0,5	8°	21°	2,3	4,7	45	7	10512595N	Δ		▲		
L105.1823.1.5	5	10	0,2	0,5	8°	21°	2,3	4,7	25	7	10512595N	▲		▲	▲	▲
L105.1823.2.5	5	15	0,2	0,5	8°	21°	2,3	4,7	30	7	10512595N	▲		▲	▲	▲
L105.1823.3.5	5	20	0,2	0,5	8°	21°	2,3	4,7	35	7	10512595N	▲		▲	▲	▲
L105.1823.4.5	5	25	0,2	0,5	8°	21°	2,3	4,7	40	7	10512595N	▲		▲	▲	▲
L105.1823.5.5	5	30	0,2	0,5	8°	21°	2,3	4,7	45	7	10512595N	▲		▲	▲	▲
P	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●		●	●	●	●	-
K	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●
N	○	○	○	○	○	○	○	○	○	○		○	○	○	○	○
S	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-



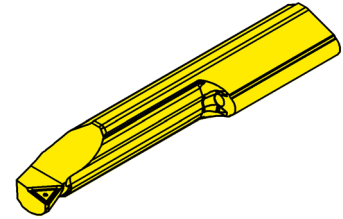
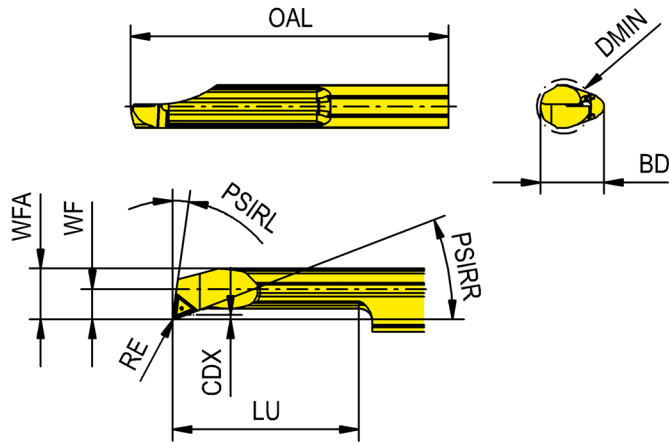
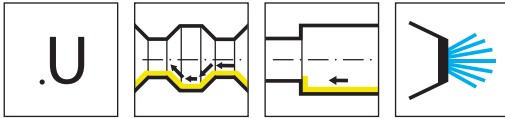
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35	TI25	TN35
R105.1833.005.2.6	6	15	0,05	0,5	8°	21°	3,3	5,7	30	7	10512595N	▲	▲	▲		
R105.1833.005.3.6	6	20	0,05	0,5	8°	21°	3,3	5,7	35	7	10512595N	Δ	▲	▲		
R105.1833.005.4.6	6	25	0,05	0,5	8°	21°	3,3	5,7	40	7	10512595N	Δ	▲	▲		
R105.1833.005.5.6	6	30	0,05	0,5	8°	21°	3,3	5,7	45	7	10512595N	Δ	▲			
R105.1833.2.6	6	15	0,2	0,5	8°	21°	3,3	5,7	30	7	10512595N	▲	▲	▲	▲	▲
R105.1833.3.6	6	20	0,2	0,5	8°	21°	3,3	5,7	35	7	10512595N	▲	▲	▲	▲	▲
R105.1833.4.6	6	25	0,2	0,5	8°	21°	3,3	5,7	40	7	10512595N	▲	▲	▲	▲	▲
R105.1833.5.6	6	30	0,2	0,5	8°	21°	3,3	5,7	45	7	10512595N	▲	▲	▲	▲	▲
R105.1840.005.3.7	6,8	20	0,05	0,5	8°	21°	4	6,4	35	7	10512595N	Δ	▲	▲		
R105.1840.005.4.7	6,8	25	0,05	0,5	8°	21°	4	6,4	40	7	10512595N	Δ	▲	▲		
R105.1840.005.5.7	6,8	30	0,05	0,5	8°	21°	4	6,4	45	7	10512595N	Δ	▲	▲		
R105.1840.3.7	6,8	20	0,2	0,5	8°	21°	4	6,4	35	7	10512595N	▲	▲	▲	▲	▲
R105.1840.4.7	6,8	25	0,2	0,5	8°	21°	4	6,4	40	7	10512595N	▲	▲	▲	▲	▲
R105.1840.5.7	6,8	30	0,2	0,5	8°	21°	4	6,4	45	7	10512595N	▲	▲	▲	▲	▲
L105.1833.005.2.6	6	15	0,05	0,5	8°	21°	3,3	5,7	30	7	10512595N	Δ		▲		
L105.1833.005.3.6	6	20	0,05	0,5	8°	21°	3,3	5,7	35	7	10512595N	Δ		▲		
L105.1833.005.4.6	6	25	0,05	0,5	8°	21°	3,3	5,7	40	7	10512595N	Δ				
L105.1833.005.5.6	6	30	0,05	0,5	8°	21°	3,3	5,7	45	7	10512595N	Δ		Δ		
L105.1833.2.6	6	15	0,2	0,5	8°	21°	3,3	5,7	30	7	10512595N	▲		▲	▲	▲
L105.1833.3.6	6	20	0,2	0,5	8°	21°	3,3	5,7	35	7	10512595N	▲		▲	▲	▲
L105.1833.4.6	6	25	0,2	0,5	8°	21°	3,3	5,7	40	7	10512595N	▲		▲	▲	▲
L105.1833.5.6	6	30	0,2	0,5	8°	21°	3,3	5,7	45	7	10512595N	▲		▲	▲	▲
L105.1840.005.3.7	6,8	20	0,05	0,5	8°	21°	4	6,4	35	7	10512595N	Δ		▲		
L105.1840.005.4.7	6,8	25	0,05	0,5	8°	21°	4	6,4	40	7	10512595N	Δ		▲		
L105.1840.005.5.7	6,8	30	0,05	0,5	8°	21°	4	6,4	45	7	10512595N	Δ		▲		
L105.1840.3.7	6,8	20	0,2	0,5	8°	21°	4	6,4	35	7	10512595N	▲		▲	▲	▲
L105.1840.4.7	6,8	25	0,2	0,5	8°	21°	4	6,4	40	7	10512595N	▲		▲	▲	▲
L105.1840.5.7	6,8	30	0,2	0,5	8°	21°	4	6,4	45	7	10512595N	▲		▲	▲	▲
P	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

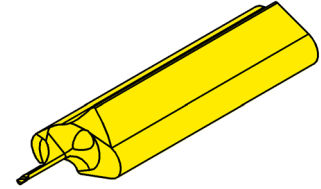
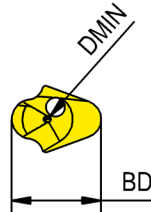
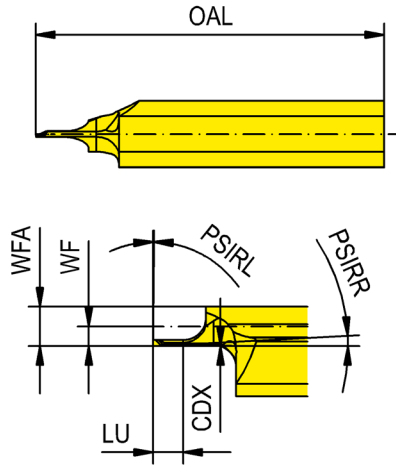
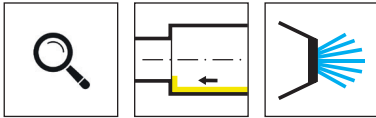
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R = rechts wie gezeichnet
R = right hand version shown

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	IG35	TH35
RS105.1833.2.4.U20	4	15	0,2	0,5	8°	21°	3,3	3,7	30	7	10512595N	▲	▲
RS105.1833.3.4.U20	4	20	0,2	0,5	8°	21°	3,3	3,7	35	7	10512595N	▲	▲
RS105.1833.2.5.U20	5	15	0,2	0,5	8°	21°	3,3	4,7	30	7	10512595N	▲	▲
RS105.1833.3.5.U20	5	20	0,2	0,5	8°	21°	3,3	4,7	35	7	10512595N	▲	▲
RS105.1833.4.5.U20	5	25	0,2	0,5	8°	21°	3,3	4,7	40	7	10512595N	▲	▲
RS105.1833.2.6.U20	6	15	0,2	0,5	8°	21°	3,3	5,6	30	7	10512595N	▲	▲
RS105.1833.3.6.U20	6	20	0,2	0,5	8°	21°	3,3	5,6	35	7	10512595N	▲	▲
RS105.1833.4.6.U20	6	25	0,2	0,5	8°	21°	3,3	5,6	40	7	10512595N	▲	▲
												P	●
												M	●
												K	o
												N	o
												S	o
												H	-



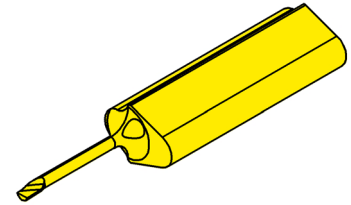
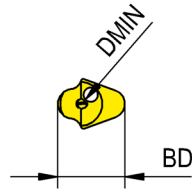
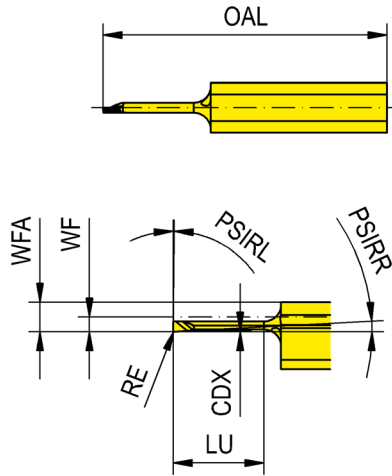
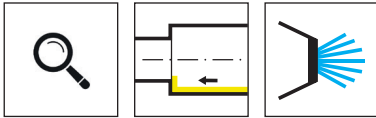
R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	ES15
R105.9013.000.0.02	0,2	1	0,01	0,5°	3°	1,3	0,17	23	5,9	10512395N	Δ
R105.9013.000.0.03	0,3	1	0,01	0,5°	3°	1,3	0,25	23	5,9	10512395N	▲
R105.9013.000.0.05	0,5	2	0,02	0,5°	3°	1,3	0,4	23	5,9	10512395N	▲
R105.9013.000.0.07	0,7	2	0,02	0,5°	3°	1,3	0,6	23	5,9	10512395N	▲
											P ●
											M ●
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											N o
											S o
											H -

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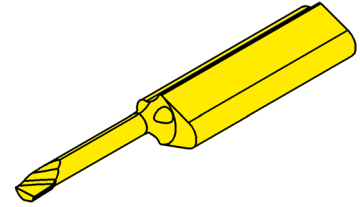
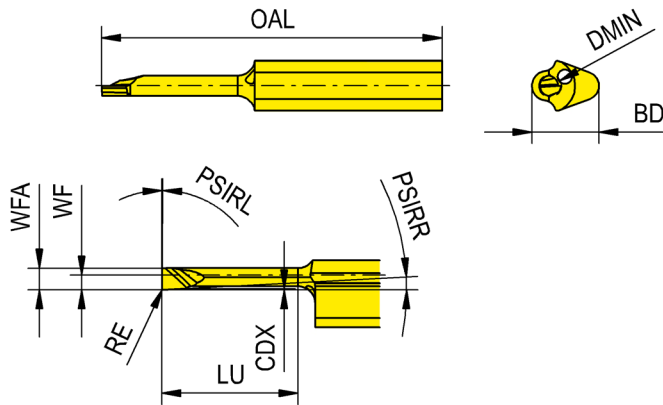
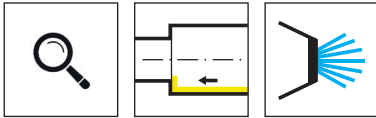


R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	ES15	IG35
R105.9013.000.0.1	1	4	-	0,05	0,5°	3°	1,3	0,9	25	5,9	10512395N	▲	▲
R105.9013.000.2.1	1	8	-	0,05	0,5°	3°	1,3	0,9	25	5,9	10512395N	Δ	
R105.9013.003.0.1	1	4	0,03	0,05	0,5°	3°	1,3	0,9	25	5,9	10512395N	▲	
R105.9013.003.2.1	1	8	0,03	0,05	0,5°	3°	1,3	0,9	25	5,9	10512395N	Δ	
R105.9013.000.0.15	1,5	6	-	0,1	0,5°	3°	1,3	1,4	25	5,9	10512395N	▲	
R105.9013.000.1.15	1,5	9	-	0,1	0,5°	3°	1,3	1,4	25	5,9	10512395N	▲	
R105.9013.003.0.15	1,5	6	0,03	0,1	0,5°	3°	1,3	1,4	25	5,9	10512395N	▲	
R105.9013.003.1.15	1,5	9	0,03	0,1	0,5°	3°	1,3	1,4	25	5,9	10512395N	▲	
												P	●
												M	●
												K	-
												N	o
												S	o
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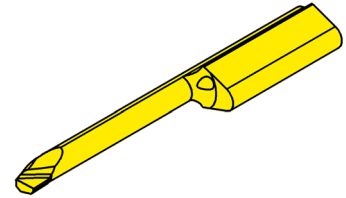
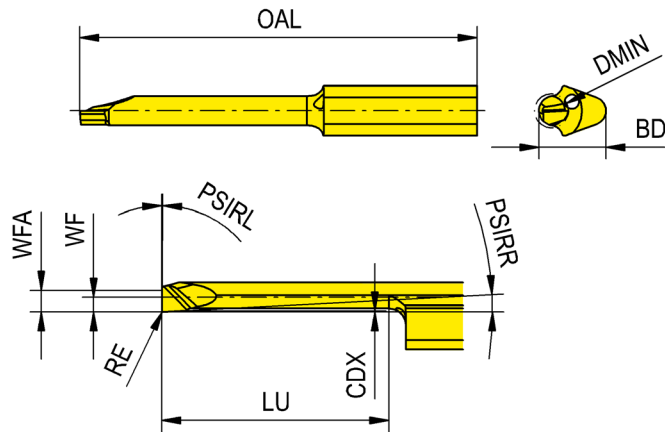
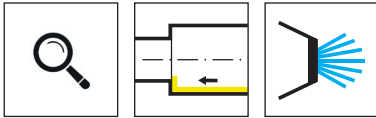


R = rechts wie gezeichnet
R = right hand version shown

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	ES15	IG35
R105.9013.000.0.2	2	6	-	0,1	0,5°	3°	1,3	1,9	25	5,9	10512395N	▲	▲
R105.9013.000.2.2	2	12	-	0,1	0,5°	3°	1,3	1,9	30	5,9	10512395N	Δ	
R105.9013.003.0.2	2	6	0,03	0,1	0,5°	3°	1,3	1,9	25	5,9	10512395N	▲	
R105.9013.003.2.2	2	12	0,03	0,1	0,5°	3°	1,3	1,9	30	5,9	10512395N	▲	
R105.9013.000.0.25	2,5	6	-	0,1	0,5°	3°	1,3	2,3	25	5,9	10512395N	Δ	
R105.9013.000.2.25	2,5	12	-	0,1	0,5°	3°	1,3	2,3	30	5,9	10512395N	Δ	
R105.9013.000.3.25	2,5	16	-	0,1	0,5°	3°	1,3	2,3	35	5,9	10512395N	Δ	
R105.9013.003.0.25	2,5	6	0,03	0,1	0,5°	3°	1,3	2,3	25	5,9	10512395N	▲	
R105.9013.003.2.25	2,5	12	0,03	0,1	0,5°	3°	1,3	2,3	30	5,9	10512395N	▲	
R105.9013.003.3.25	2,5	16	0,03	0,1	0,5°	3°	1,3	2,3	35	5,9	10512395N	▲	
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												M	●
												K	-
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												S	o
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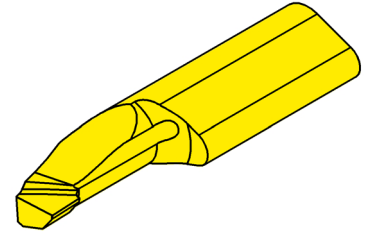
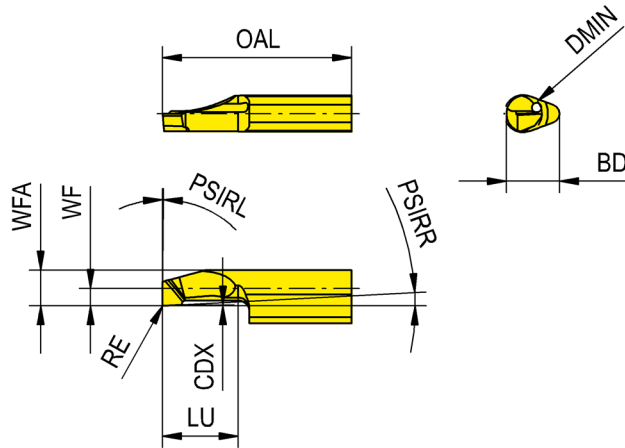
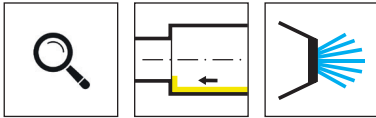


R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	ES15
R105.9013.000.1.3	3	10	-	0,1	0,5°	3°	1,3	2,6	25	5,9	10512395N	▲
R105.9013.000.3.3	3	20	-	0,1	0,5°	3°	1,3	2,6	35	5,9	10512395N	Δ
R105.9013.003.1.3	3	10	0,03	0,1	0,5°	3°	1,3	2,6	25	5,9	10512395N	▲
R105.9013.003.3.3	3	20	0,03	0,1	0,5°	3°	1,3	2,6	35	5,9	10512395N	▲
R105.9019.000.1.4	4	10	-	0,1	0,5°	3°	1,9	3,7	25	6,4	10512495N	Δ
R105.9019.000.3.4	4	20	-	0,1	0,5°	3°	1,9	3,7	35	6,4	10512495N	Δ
R105.9019.003.1.4	4	10	0,03	0,1	0,5°	3°	1,9	3,7	25	6,4	10512495N	Δ
R105.9019.003.3.4	4	20	0,03	0,1	0,5°	3°	1,9	3,7	35	6,4	10512495N	▲
											P	●
											M	●
											K	-
											N	o
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											H	-



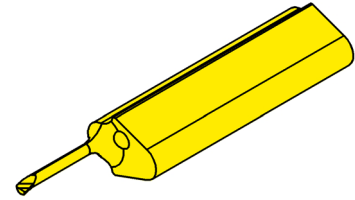
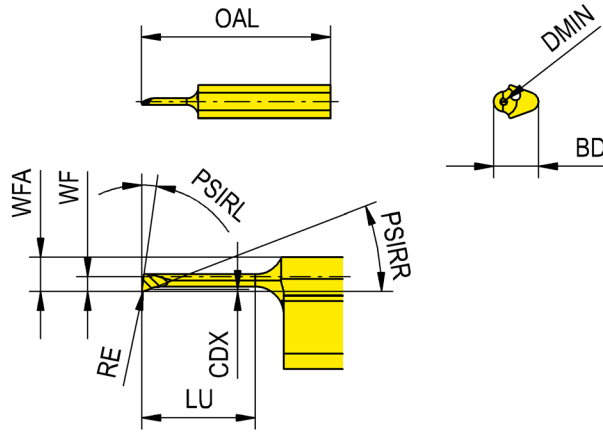
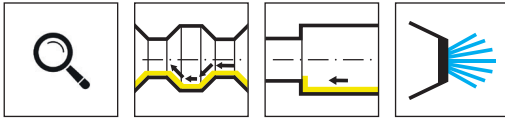
R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	ES15
R105.9023.000.1.5	5	10	-	0,1	0,5°	3°	2,3	4,7	25	7	10512595N	▲
R105.9023.000.3.5	5	20	-	0,1	0,5°	3°	2,3	4,7	35	7	10512595N	Δ
R105.9023.000.5.5	5	30	-	0,1	0,5°	3°	2,3	4,7	45	7	10512595N	▲
R105.9023.003.1.5	5	10	0,03	0,1	0,5°	3°	2,3	4,7	25	7	10512595N	▲
R105.9023.003.3.5	5	20	0,03	0,1	0,5°	3°	2,3	4,7	35	7	10512595N	Δ
R105.9023.003.5.5	5	30	0,03	0,1	0,5°	3°	2,3	4,7	45	7	10512595N	▲
											P	●
											M	●
											K	-
											N	o
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											H	-

A1

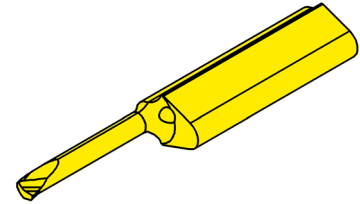
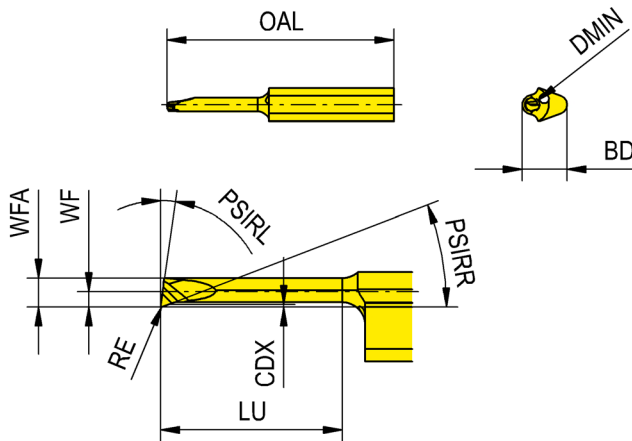
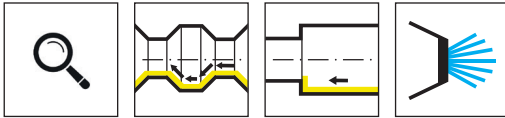


R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	ES15
R105.2108.003.0.1	1	4	0,03	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	▲
R105.2108.003.1.1	1	6	0,03	0,1	8°	21°	0,5	0,9	25	5,9	10512595N	▲
R105.2108.003.2.1	1	8	0,03	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	▲
R105.2108.008.0.1	1	4	0,08	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	▲
R105.2108.008.1.1	1	6	0,08	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	▲
R105.2108.008.2.1	1	8	0,08	0,1	8°	21°	0,5	0,9	25	5,9	10512395N	▲
R105.2108.003.0.15	1,5	6	0,03	0,15	8°	21°	1,3	1,4	25	5,9	10512395N	▲
R105.2108.003.1.15	1,5	9	0,03	0,15	8°	21°	1,3	0,9	25	5,9	10512395N	▲
R105.2108.003.2.15	1,5	12	0,03	0,15	8°	21°	1,3	1,4	30	5,9	10512395N	▲
R105.2108.008.0.15	1,5	6	0,08	0,15	8°	21°	1,3	1,4	25	5,9	10512395N	▲
R105.2108.008.1.15	1,5	6	0,08	0,15	8°	21°	0,5	0,9	25	5,9	10512395N	▲
R105.2108.008.2.15	1,5	12	0,08	0,15	8°	21°	1,3	1,4	30	5,9	10512395N	▲
											P	●
											M	●
											K	-
											N	o
											S	o
											H	-

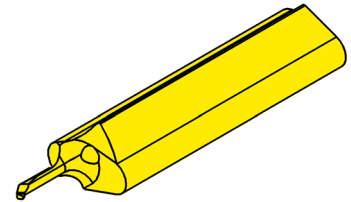
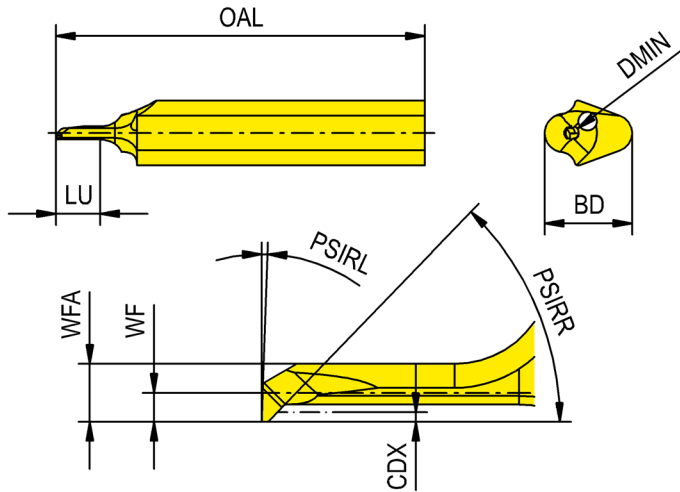
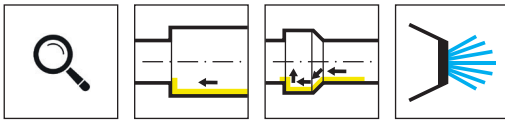


R = rechts wie gezeichnet
R = right hand version shown

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	ES15
R105.2108.003.0.2	2	6	0,03	0,15	8°	21°	1	1,9	25	5,9	10512395N	▲
R105.2108.003.1.2	2	9	0,03	0,15	8°	21°	1	1,9	25	5,9	10512395N	▲
R105.2108.003.2.2	2	12	0,03	0,15	8°	21°	1	1,9	30	5,9	10512395N	▲
R105.2108.008.0.2	2	12	0,08	0,15	8°	21°	1	1,9	25	5,9	10512395N	▲
R105.2108.008.1.2	2	9	0,08	0,15	8°	21°	1	1,9	25	5,9	10512395N	▲
R105.2108.008.2.2	2	12	0,08	0,15	8°	21°	1	1,9	30	5,9	10512395N	▲
R105.2108.003.1.3	3	10	0,03	0,15	8°	21°	1,3	2,6	25	5,9	10512395N	▲
R105.2108.003.2.3	3	12	0,03	0,15	8°	21°	1,3	2,6	30	5,9	10512395N	▲
R105.2108.003.3.3	3	12	0,03	0,15	8°	21°	1,3	2,6	35	5,9	10512395N	▲
R105.2108.008.1.3	3	10	0,08	0,15	8°	21°	1,3	2,6	25	5,9	10512395N	▲
R105.2108.008.2.3	3	15	0,08	0,15	8°	21°	1,3	2,6	30	5,9	10512395N	▲
R105.2108.008.3.3	3	20	0,08	0,15	8°	21°	1,3	2,6	35	5,9	10512395N	▲
											P	●
											M	●
											K	-
											N	o
											S	o
											H	-

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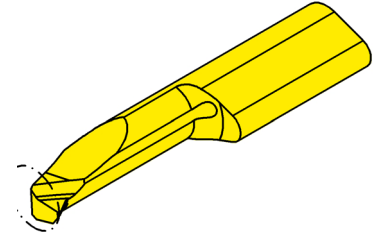
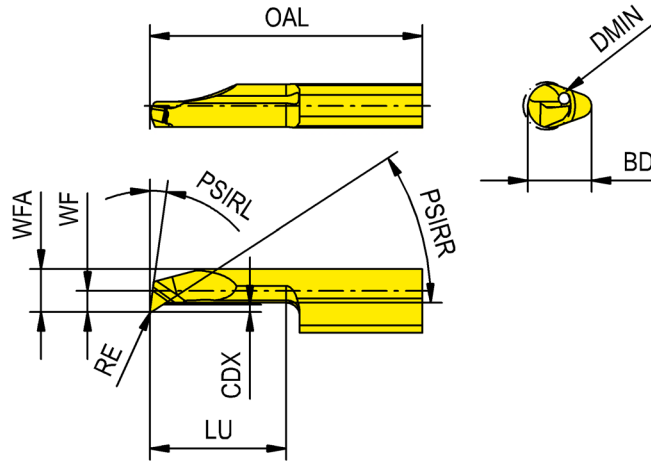
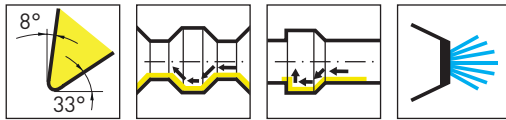


R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	ES15
R105.4502.003.0.03	0,3	0,6	0,05	2°	46°	1	0,25	25	5,9	10512395N	▲
R105.4502.003.0.04	0,4	0,8	0,07	2°	46°	1	0,33	25	5,9	10512395N	▲
R105.4502.003.0.05	0,5	1,2	0,08	2°	46°	1	0,45	25	5,9	10512395N	▲
R105.4502.003.0.06	0,6	1,2	0,1	2°	46°	1	0,52	25	5,9	10512395N	▲
R105.4502.003.0.07	0,7	1,2	0,12	2°	46°	1	0,6	25	5,9	10512395N	▲
R105.4502.005.0.08	0,8	1,8	0,15	2°	46°	1	0,7	25	5,9	10512395N	▲
R105.4502.005.0.09	0,9	1,8	0,15	2°	46°	1	0,8	25	5,9	10512395N	▲
R105.4502.010.0.10	1	3	0,17	2°	46°	1	0,9	25	5,9	10512395N	▲
R105.4502.010.0.12	1,2	3,6	0,2	2°	46°	1	1	25	5,9	10512395N	▲
R105.4502.010.0.15	1,5	4,5	0,25	2°	46°	1,3	1,4	25	5,9	10512395N	▲
R105.4502.020.0.20	2	6	0,35	2°	46°	1,3	1,8	25	5,9	10512395N	▲
R105.4502.020.0.25	2,5	7,5	0,45	2°	46°	1,3	2,3	25	5,9	10512395N	▲
R105.4502.030.0.30	3	9	0,5	2°	46°	1,3	2,6	25	5,9	10512395N	▲
R105.4502.030.0.35	3,5	10	0,6	2°	46°	1,9	3,2	25	6,4	10512495N	▲
										P	●
										M	●
										K	-
										N	o
										S	o
										H	-



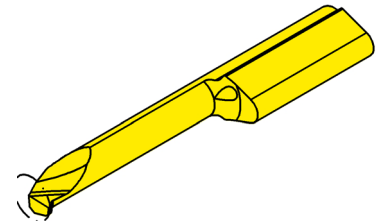
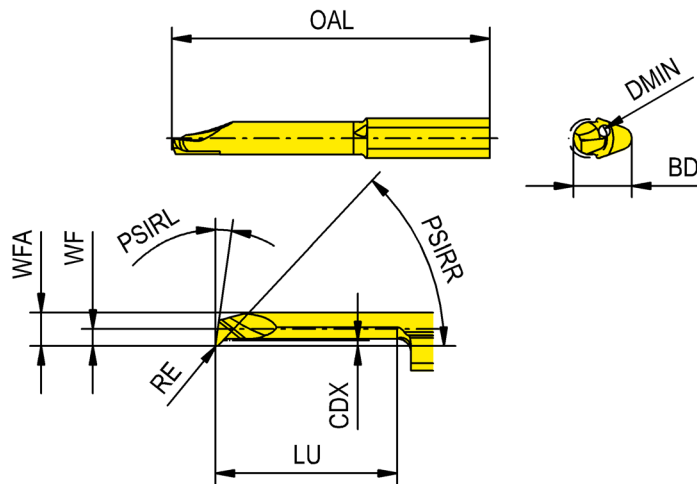
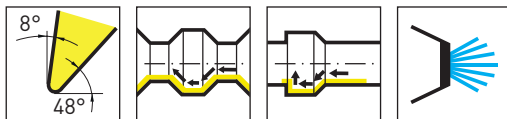
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35
R105.3315.005.1.2	2	9	0,05	0,3	8°	33°	1,5	1,9	25	5,9	10512395N	▲	▲
R105.3315.005.2.2	2	12	0,05	0,3	8°	33°	1,5	1,9	30	5,9	10512395N	▲	▲
R105.3313.005.1.3	3	10	0,05	0,4	8°	33°	1,3	2,6	25	5,9	10512395N	▲	▲
R105.3313.005.2.3	3	15	0,05	0,4	8°	33°	1,3	2,6	30	5,9	10512395N	▲	▲
R105.3319.1.4	4	10	0,15	0,6	8°	33°	1,9	3,7	25	6,4	10512495N	▲	▲
R105.3319.3.4	4	20	0,15	0,6	8°	33°	1,9	3,7	35	6,4	10512495N	▲	▲
R105.3323.2.5	5	15	0,15	0,8	8°	33°	2,3	4,7	30	7	10512595N	▲	▲
R105.3323.4.5	5	25	0,15	0,8	8°	33°	2,3	4,7	40	7	10512595N	▲	▲
R105.3333.3.6	6	20	0,15	1,8	8°	33°	3,3	5,7	35	7	10512595N	▲	▲
R105.3333.5.6	6	30	0,15	1,8	8°	33°	3,3	5,7	45	7	10512595N	▲	▲
L105.3319.1.4	4	10	0,15	0,6	8°	33°	1,9	3,7	25	6,4	10512495N	Δ	
L105.3319.3.4	4	20	0,15	0,6	8°	33°	1,9	3,7	35	6,4	10512495N	Δ	
L105.3323.2.5	5	15	0,15	0,8	8°	33°	2,3	4,7	30	7	10512595N	Δ	
L105.3323.4.5	5	25	0,15	0,8	8°	33°	2,3	4,7	40	7	10512595N	Δ	
L105.3333.3.6	6	20	0,15	1,8	8°	33°	3,3	5,7	35	7	10512595N	Δ	
L105.3333.5.6	6	30	0,15	1,8	8°	33°	3,3	5,7	45	7	10512595N	Δ	
P	●	●											
M	●	●											
K	●	●											
N	o	o											
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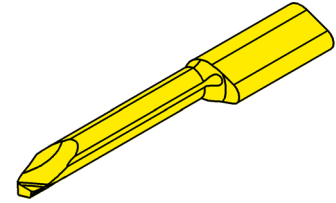
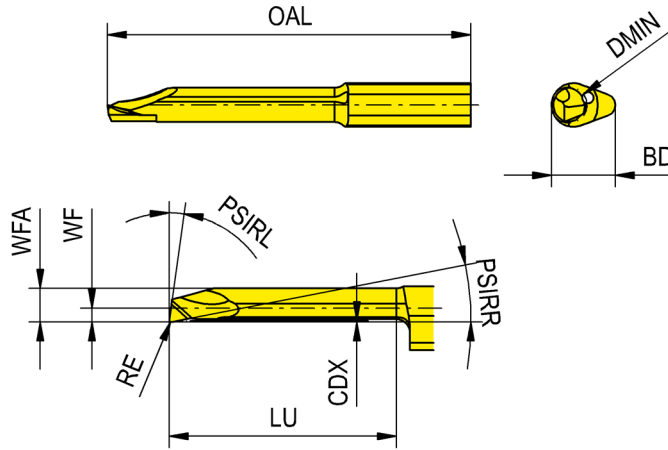
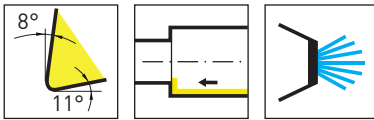


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	ES15	IG35	TH35	TI25	TN35
R105.4715.005.1.2	2	9	0,05	0,3	8°	48°	1,5	1,9	25	5,9	10512395N	▲	▲	▲			
R105.4715.005.2.2	2	12	0,05	0,3	8°	48°	1,5	1,9	30	5,9	10512395N	▲	▲	▲			
R105.4713.005.1.3	3	10	0,05	0,4	8°	48°	1,3	2,6	25	5,9	10512395N	▲	▲	▲			
R105.4713.005.2.3	3	15	0,05	0,4	8°	48°	1,3	2,6	30	5,9	10512395N	▲	▲	▲			
R105.4719.1.4	4	10	0,15	0,6	8°	48°	1,9	3,7	25	6,4	10512495N	▲		▲	▲		
R105.4719.3.4	4	20	0,15	0,6	8°	48°	1,9	3,7	35	6,4	10512495N	▲		▲	▲	▲	▲
R105.4723.2.5	5	15	0,15	0,8	8°	48°	2,3	4,7	30	7	10512595N	▲		▲	▲		
R105.4723.4.5	5	25	0,15	0,8	8°	48°	2,3	4,7	40	7	10512595N	▲		▲	▲	▲	▲
R105.4733.3.6	6	20	0,15	1,8	8°	48°	3,3	5,7	35	7	10512595N	▲		▲	▲		
R105.4733.5.6	6	30	0,15	1,8	8°	48°	3,3	5,7	45	7	10512595N	▲		▲	▲		▲
L105.4719.1.4	4	10	0,15	0,6	8°	48°	1,9	3,7	25	6,4	10512495N	▲		▲	▲		
L105.4719.3.4	4	20	0,15	0,6	8°	48°	1,9	3,7	35	6,4	10512495N	▲		▲	▲	▲	▲
L105.4723.2.5	5	15	0,15	0,8	8°	48°	2,3	4,7	30	7	10512595N	Δ		▲	▲		
L105.4723.4.5	5	25	0,15	0,8	8°	48°	2,3	4,7	40	7	10512595N	▲		▲	▲	▲	▲
L105.4733.3.6	6	20	0,15	1,8	8°	48°	3,3	5,7	35	7	10512595N	Δ		▲	▲		
L105.4733.5.6	6	30	0,15	1,8	8°	48°	3,3	5,7	45	7	10512595N	▲		▲	▲		▲
P	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	-
K	●	-	●	-	●	-	●	-	●	-		●	-	●	-	●	●
N	o	o	o	-	o	-	o	-	o	-		o	o	o	-	o	-
S	-	o	o	-	-	-	-	-	-	-		-	o	o	-	-	-
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R = rechts wie gezeichnet
R = right hand version shown

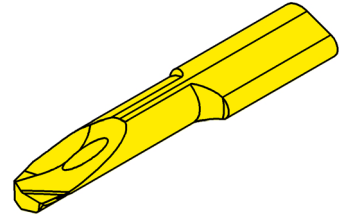
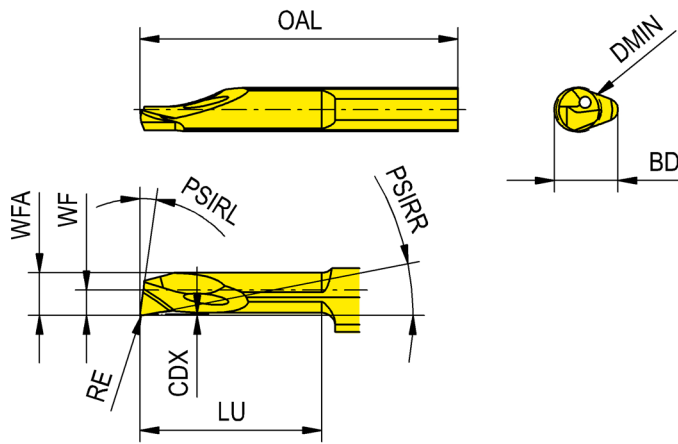
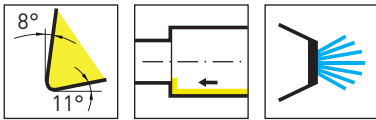
L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35
R105.1019.005.1.4	4	10	0,05	0,15	8°	11°	1,5	3,7	25	7	10512595N	▲	▲	▲
R105.1019.005.2.4	4	15	0,05	0,15	8°	11°	1,5	3,7	30	7	10512595N	Δ	▲	▲
R105.1019.005.3.4	4	20	0,05	0,15	8°	11°	1,5	3,7	35	7	10512595N	Δ	▲	▲
R105.1019.005.4.4	4	25	0,05	0,15	8°	11°	1,5	3,7	40	7	10512595N	Δ	▲	▲
R105.1019.1.4	4	10	0,2	0,15	8°	11°	1,5	3,7	25	7	10512595N	▲	▲	▲
R105.1019.2.4	4	15	0,2	0,15	8°	11°	1,5	3,7	30	7	10512595N	▲	▲	▲
R105.1019.3.4	4	20	0,2	0,15	8°	11°	1,5	3,7	35	7	10512595N	▲	▲	▲
R105.1019.4.4	4	25	0,2	0,15	8°	11°	1,5	3,7	40	7	10512595N	▲	▲	▲
L105.1019.005.1.4	4	10	0,05	0,15	8°	11°	1,5	3,7	25	7	10512595N	▲		▲
L105.1019.005.2.4	4	15	0,05	0,15	8°	11°	1,5	3,7	30	7	10512595N	Δ		▲
L105.1019.005.3.4	4	20	0,05	0,15	8°	11°	1,5	3,7	35	7	10512595N	Δ		▲
L105.1019.005.4.4	4	25	0,05	0,15	8°	11°	1,5	3,7	40	7	10512595N	Δ		▲
L105.1019.1.4	4	10	0,2	0,15	8°	11°	1,5	3,7	25	7	10512595N	Δ		▲
L105.1019.2.4	4	15	0,2	0,15	8°	11°	1,5	3,7	30	7	10512595N	Δ		▲
L105.1019.3.4	4	20	0,2	0,15	8°	11°	1,5	3,7	35	7	10512595N	Δ		▲
L105.1019.4.4	4	25	0,2	0,15	8°	11°	1,5	3,7	40	7	10512595N	Δ		▲

verstärkte Ausführung
reinforced version

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



R = rechts wie gezeichnet
R = right hand version shown

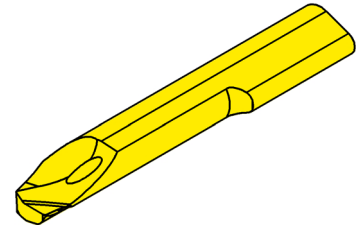
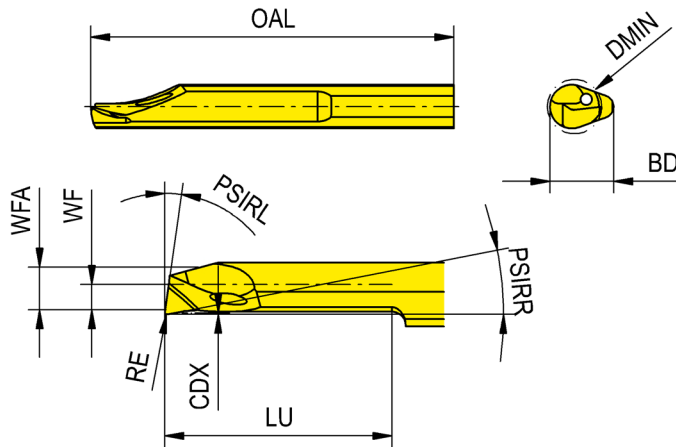
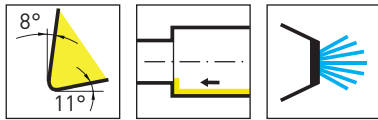
L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35
R105.1023.005.1.5	5	10	0,05	0,15	8°	11°	2,8	4,7	25	7	10512595N	▲	▲	▲
R105.1023.005.2.5	5	15	0,05	0,15	8°	11°	2,8	4,7	30	7	10512595N	▲	▲	▲
R105.1023.005.3.5	5	20	0,05	0,15	8°	11°	2,8	4,7	35	7	10512595N	Δ	▲	▲
R105.1023.005.4.5	5	25	0,05	0,15	8°	11°	2,8	4,7	40	7	10512595N	Δ	▲	▲
R105.1023.005.5.5	5	30	0,05	0,15	8°	11°	2,8	4,7	45	7	10512595N	Δ	▲	▲
R105.1023.005.6.5	5	35	0,05	0,15	8°	11°	2,8	4,7	50	7	10512595N	Δ	▲	▲
R105.1023.1.5	5	10	0,2	0,15	8°	11°	2,8	4,7	25	7	10512595N	▲	▲	▲
R105.1023.2.5	5	15	0,2	0,15	8°	11°	2,8	4,7	30	7	10512595N	▲	▲	▲
R105.1023.3.5	5	20	0,2	0,15	8°	11°	2,8	4,7	35	7	10512595N	▲	▲	▲
R105.1023.4.5	5	25	0,2	0,15	8°	11°	2,8	4,7	40	7	10512595N	▲	▲	▲
R105.1023.5.5	5	30	0,2	0,15	8°	11°	2,8	4,7	45	7	10512595N	▲	▲	▲
R105.1023.6.5	5	35	0,2	0,15	8°	11°	2,8	4,7	50	7	10512595N	▲	▲	▲
L105.1023.005.1.5	5	10	0,05	0,15	8°	11°	2,8	4,7	25	7	10512595N	Δ		▲
L105.1023.005.2.5	5	15	0,05	0,15	8°	11°	2,8	4,7	30	7	10512595N	Δ		Δ
L105.1023.005.3.5	5	20	0,05	0,15	8°	11°	2,8	4,7	35	7	10512595N	Δ		▲
L105.1023.005.4.5	5	25	0,05	0,15	8°	11°	2,8	4,7	40	7	10512595N	Δ		▲
L105.1023.005.5.5	5	30	0,05	0,15	8°	11°	2,8	4,7	45	7	10512595N	Δ		▲
L105.1023.005.6.5	5	35	0,05	0,15	8°	11°	2,8	4,7	50	7	10512595N	Δ		▲
L105.1023.1.5	5	10	0,2	0,15	8°	11°	2,8	4,7	25	7	10512595N	Δ		▲
L105.1023.2.5	5	15	0,2	0,15	8°	11°	2,8	4,7	30	7	10512595N			▲
L105.1023.3.5	5	20	0,2	0,15	8°	11°	2,8	4,7	35	7	10512595N	Δ		▲
L105.1023.4.5	5	25	0,2	0,15	8°	11°	2,8	4,7	40	7	10512595N	Δ		▲
L105.1023.5.5	5	30	0,2	0,15	8°	11°	2,8	4,7	45	7	10512595N	Δ		▲
L105.1023.6.5	5	35	0,2	0,15	8°	11°	2,8	4,7	50	7	10512595N	Δ		▲

verstärkte Ausführung
reinforced version

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



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

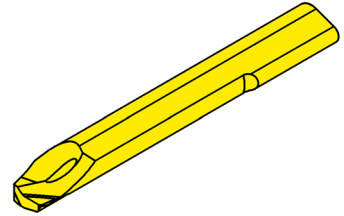
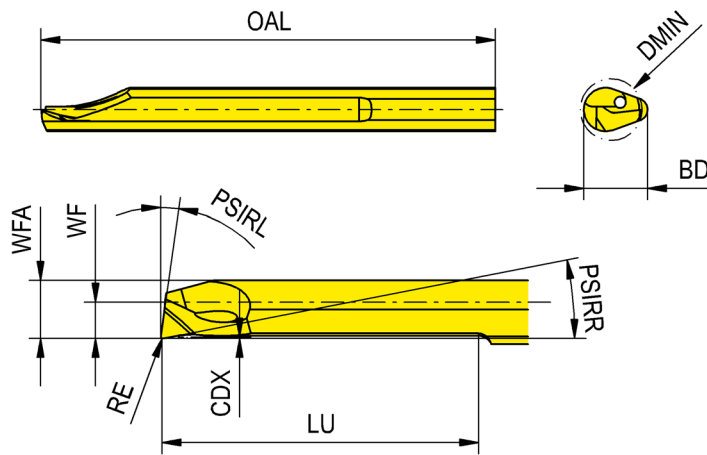
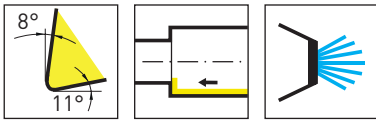
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35
R105.1033.005.1.6	6	10	0,05	0,15	8°	11°	3,3	5,7	25	7	10512595N	▲	▲	▲
R105.1033.005.2.6	6	15	0,05	0,15	8°	11°	3,3	5,7	30	7	10512595N	Δ	▲	▲
R105.1033.005.3.6	6	20	0,05	0,15	8°	11°	3,3	5,7	35	7	10512595N	▲	▲	▲
R105.1033.005.4.6	6	25	0,05	0,15	8°	11°	3,3	5,7	40	7	10512595N	Δ	▲	▲
R105.1033.005.5.6	6	30	0,05	0,15	8°	11°	3,3	5,7	45	7	10512595N	Δ	▲	▲
R105.1033.005.6.6	6	35	0,05	0,15	8°	11°	3,3	5,7	50	7	10512595N	Δ	▲	▲
R105.1033.1.6	6	10	0,2	0,15	8°	11°	3,3	5,7	25	7	10512595N	▲	▲	▲
R105.1033.2.6	6	15	0,2	0,15	8°	11°	3,3	5,7	30	7	10512595N	▲	▲	▲
R105.1033.3.6	6	20	0,2	0,15	8°	11°	3,3	5,7	35	7	10512595N	▲	▲	▲
R105.1033.4.6	6	25	0,2	0,15	8°	11°	3,3	5,7	40	7	10512595N	▲	▲	▲
R105.1033.5.6	6	30	0,2	0,15	8°	11°	3,3	5,7	45	7	10512595N	▲	▲	▲
R105.1033.6.6	6	35	0,2	0,15	8°	11°	3,3	5,7	50	7	10512595N	▲	▲	▲
L105.1033.005.1.6	6	10	0,05	0,15	8°	11°	3,3	5,7	25	7	10512595N	Δ		▲
L105.1033.005.2.6	6	15	0,05	0,15	8°	11°	3,3	5,7	30	7	10512595N	Δ		▲
L105.1033.005.3.6	6	20	0,05	0,15	8°	11°	3,3	5,7	35	7	10512595N	Δ		▲
L105.1033.005.4.6	6	25	0,05	0,15	8°	11°	3,3	5,7	40	7	10512595N	Δ		Δ
L105.1033.005.5.6	6	30	0,05	0,15	8°	11°	3,3	5,7	45	7	10512595N	Δ		▲
L105.1033.005.6.6	6	35	0,05	0,15	8°	11°	3,3	5,7	50	7	10512595N	Δ		▲
L105.1033.1.6	6	10	0,2	0,15	8°	11°	3,3	5,7	25	7	10512595N			▲
L105.1033.2.6	6	15	0,2	0,15	8°	11°	3,3	5,7	30	7	10512595N	Δ		▲
L105.1033.3.6	6	20	0,2	0,15	8°	11°	3,3	5,7	35	7	10512595N	Δ		▲
L105.1033.4.6	6	25	0,2	0,15	8°	11°	3,3	5,7	40	7	10512595N	Δ		▲
L105.1033.5.6	6	30	0,2	0,15	8°	11°	3,3	5,7	45	7	10512595N	Δ		▲
L105.1033.6.6	6	35	0,2	0,15	8°	11°	3,3	5,7	50	7	10512595N	Δ		▲

verstärkte Ausführung
reinforced version

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

A1



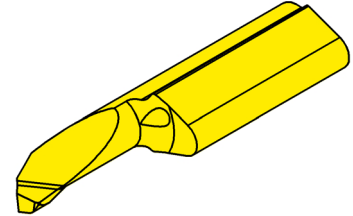
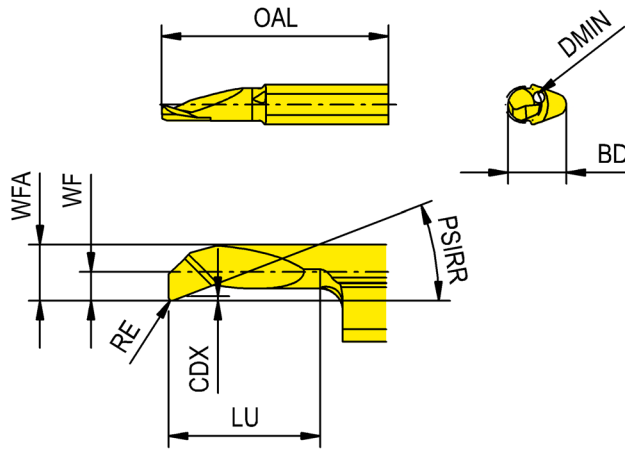
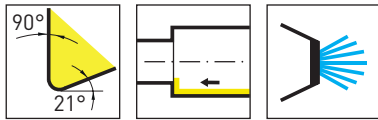
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M		EG35	IG35	TH35
R105.1040.1.7	6,8	10	0,2	0,15	8°	11°	4	6,4	25	7	10512595N		▲	▲	▲
R105.1040.2.7	6,8	15	0,2	0,15	8°	11°	4	6,4	30	7	10512595N		▲	▲	▲
R105.1040.3.7	6,8	20	0,2	0,15	8°	11°	4	6,4	35	7	10512595N		▲	▲	▲
R105.1040.4.7	6,8	25	0,2	0,15	8°	11°	4	6,4	40	7	10512595N		▲	▲	▲
R105.1040.5.7	6,8	30	0,2	0,15	8°	11°	4	6,4	45	7	10512595N		▲	▲	▲
R105.1040.6.7	6,8	35	0,2	0,15	8°	11°	4	6,4	50	7	10512595N		▲	▲	▲
L105.1040.1.7	6,8	10	0,2	0,15	8°	11°	4	6,4	25	7	10512595N		Δ		▲
L105.1040.2.7	6,8	15	0,2	0,15	8°	11°	4	6,4	30	7	10512595N		Δ		▲
L105.1040.3.7	6,8	20	0,2	0,15	8°	11°	4	6,4	35	7	10512595N		Δ		▲
L105.1040.4.7	6,8	25	0,2	0,15	8°	11°	4	6,4	40	7	10512595N		Δ		▲
L105.1040.5.7	6,8	30	0,2	0,15	8°	11°	4	6,4	45	7	10512595N		Δ		▲
L105.1040.6.7	6,8	35	0,2	0,15	8°	11°	4	6,4	50	7	10512595N		Δ		▲
verstärkte Ausführung reinforced version												P	●	●	●
												M	●	●	●
												K	●	●	-
												N	o	o	-
												S	-	o	-
												H	-	-	-



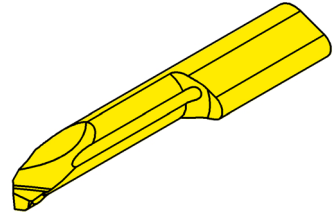
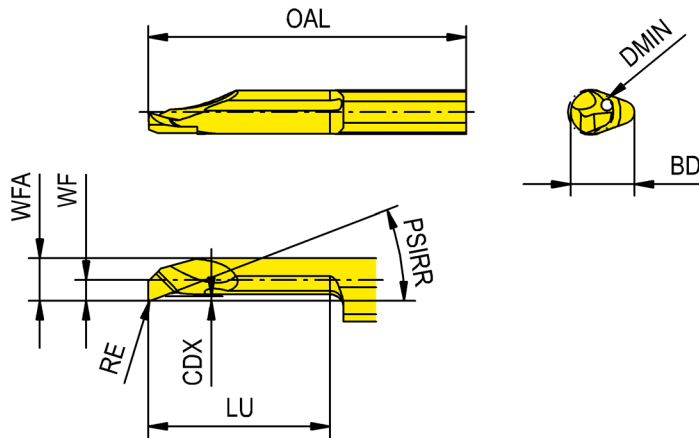
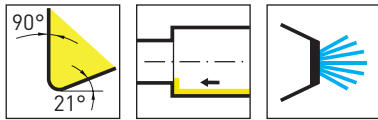
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35	TN35
R105.9013.01.1.3	3	10	0,1	0,15	21°	1,3	2,6	30	5,9	10512395N	Δ	▲	▲	
R105.9013.01.2.3	3	20	0,1	0,15	21°	1,3	2,6	30	5,9	10512395N	Δ	▲	▲	
R105.9013.01.3.3	3	20	0,1	0,15	21°	1,3	2,6	35	5,9	10512395N	▲	▲		
R105.9013.1.3	3	10	0,2	0,15	21°	1,3	2,6	25	5,9	10512395N	▲	▲		▲
R105.9013.2.3	3	15	0,2	0,15	21°	1,3	2,6	30	5,9	10512395N	▲	▲		▲
R105.9019.01.1.4	4	10	0,1	0,3	21°	1,9	3,7	25	6,4	10512495N	Δ	▲	▲	
R105.9019.01.2.4	4	15	0,1	0,3	21°	1,9	3,7	30	6,4	10512495N	Δ	▲	▲	
R105.9019.01.3.4	4	20	0,1	0,3	21°	1,9	3,7	35	6,4	10512495N	▲	▲	▲	
R105.9019.1.4	4	10	0,2	0,3	21°	1,9	3,7	25	6,4	10512495N	▲	▲		▲
R105.9019.2.4	4	15	0,2	0,3	21°	1,9	3,7	30	6,4	10512495N	▲	▲		▲
L105.9013.01.1.3	3	10	0,1	0,15	21°	1,3	2,6	30	5,9	10512395N	Δ		▲	
L105.9013.01.2.3	3	20	0,1	0,15	21°	1,3	2,6	30	5,9	10512395N	Δ		Δ	
L105.9013.01.3.3	3	20	0,1	0,15	21°	1,3	2,6	35	5,9	10512395N	Δ			
L105.9013.1.3	3	10	0,2	0,15	21°	1,3	2,6	25	5,9	10512395N	▲			▲
L105.9013.2.3	3	15	0,2	0,15	21°	1,3	2,6	30	5,9	10512395N	▲			▲
L105.9019.01.1.4	4	10	0,1	0,3	21°	1,9	3,7	25	6,4	10512495N	Δ		Δ	
L105.9019.01.2.4	4	15	0,1	0,3	21°	1,9	3,7	30	6,4	10512495N	Δ		Δ	
L105.9019.01.3.4	4	20	0,1	0,3	21°	1,9	3,7	35	6,4	10512495N	Δ		Δ	
L105.9019.1.4	4	10	0,2	0,3	21°	1,9	3,7	25	6,4	10512495N	▲			▲
L105.9019.2.4	4	15	0,2	0,3	21°	1,9	3,7	30	6,4	10512495N	▲			▲
P	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N	○	○	○	○	○	○	○	○	○	○	○	○	○	○
S	-	○	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-

A1



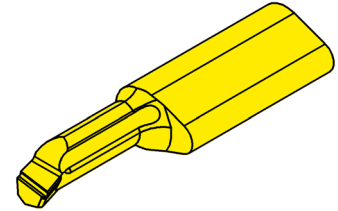
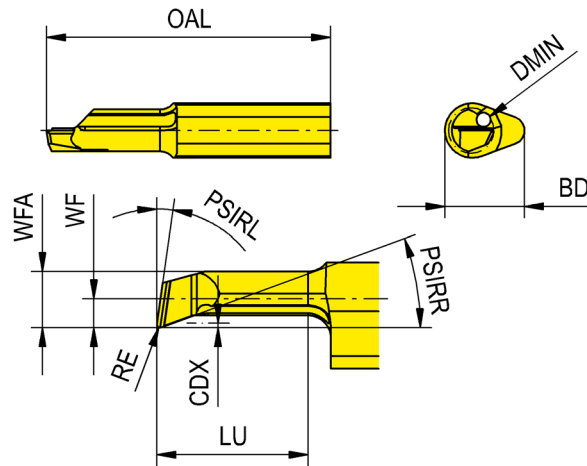
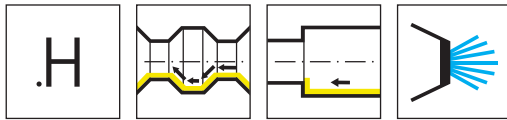
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35	TN35
R105.9023.01.1.5	5	10	0,1	0,5	21°	2,3	4,7	25	7	10512595N	Δ	▲	▲	
R105.9023.01.2.5	5	15	0,1	0,5	21°	2,3	4,7	30	7	10512595N	▲	▲	▲	
R105.9023.01.3.5	5	20	0,1	0,5	21°	2,3	4,7	35	7	10512595N	▲	▲	▲	
R105.9023.1.5	5	10	0,2	0,5	21°	2,3	4,7	25	7	10512595N	▲	▲	▲	▲
R105.9023.2.5	5	15	0,2	0,5	21°	2,3	4,7	30	7	10512595N	▲	▲	▲	▲
R105.9023.3.5	5	20	0,2	0,5	21°	2,3	4,7	35	7	10512595N	▲	▲		▲
R105.9033.1.6	6	10	0,2	0,5	21°	3,3	5,7	25	7	10512595N	Δ	▲	▲	
R105.9033.2.6	6	15	0,2	0,5	21°	3,3	5,7	30	7	10512595N	Δ	▲	▲	
R105.9033.3.6	6	20	0,2	0,5	21°	3,3	5,7	35	7	10512595N	Δ	▲	▲	
R105.9033.4.6	6	25	0,2	0,5	21°	3,3	5,7	40	7	10512595N	Δ	▲	▲	
R105.9033.5.6	6	30	0,2	0,5	21°	3,3	5,7	45	7	10512595N	Δ	▲	▲	
L105.9023.01.1.5	5	10	0,1	0,5	21°	2,3	4,7	25	7	10512595N	Δ		Δ	
L105.9023.01.2.5	5	15	0,1	0,5	21°	2,3	4,7	30	7	10512595N	Δ		▲	
L105.9023.01.3.5	5	20	0,1	0,5	21°	2,3	4,7	35	7	10512595N	Δ		▲	
L105.9023.1.5	5	10	0,2	0,5	21°	2,3	4,7	25	7	10512595N	▲			▲
L105.9023.2.5	5	15	0,2	0,5	21°	2,3	4,7	30	7	10512595N	▲			▲
L105.9023.3.5	5	20	0,2	0,5	21°	2,3	4,7	35	7	10512595N				▲
L105.9033.1.6	6	10	0,2	0,5	21°	3,3	5,7	25	7	10512595N	Δ			
L105.9033.2.6	6	15	0,2	0,5	21°	3,3	5,7	30	7	10512595N	Δ		Δ	
L105.9033.3.6	6	20	0,2	0,5	21°	3,3	5,7	35	7	10512595N	Δ		▲	
L105.9033.4.6	6	25	0,2	0,5	21°	3,3	5,7	40	7	10512595N	Δ		Δ	
L105.9033.5.6	6	30	0,2	0,5	21°	3,3	5,7	45	7	10512595N	Δ		▲	
P	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N	○	○	○	○	○	○	○	○	○	○	○	○	○	○
S	-	○	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-



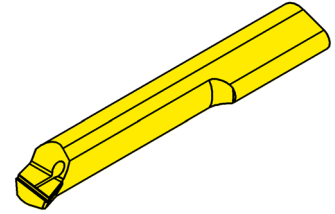
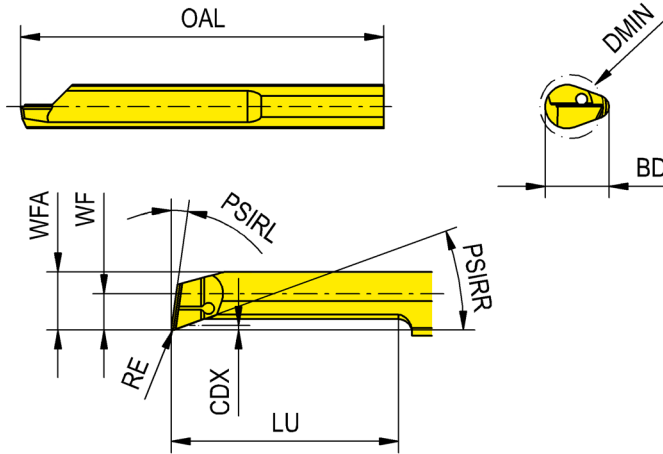
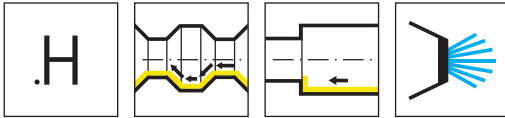
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35
R105.1819.1.H.4	4	10	0,2	0,3	8°	21°	1,9	3,7	25	7	10512595N	Δ	▲
R105.1819.2.H.4	4	15	0,2	0,3	8°	21°	1,9	3,7	30	7	10512595N	▲	▲
R105.1819.3.H.4	4	20	0,2	0,3	8°	21°	1,9	3,7	35	7	10512595N	Δ	▲
R105.1823.1.H.5	5	10	0,2	0,5	8°	21°	2,3	4,7	25	7	10512595N	▲	▲
R105.1823.2.H.5	5	15	0,2	0,5	8°	21°	2,3	4,7	30	7	10512595N	▲	▲
R105.1823.3.H.5	5	20	0,2	0,5	8°	21°	2,3	4,7	35	7	10512595N	▲	▲
R105.1823.4.H.5	5	25	0,2	0,5	8°	21°	2,3	4,7	40	7	10512595N	▲	▲
R105.1823.5.H.5	5	30	0,2	0,5	8°	21°	2,3	4,7	45	7	10512595N	Δ	▲
L105.1819.1.H.4	4	10	0,2	0,3	8°	21°	1,9	3,7	25	7	10512595N	Δ	▲
L105.1819.2.H.4	4	15	0,2	0,3	8°	21°	1,9	3,7	30	7	10512595N	Δ	Δ
L105.1819.3.H.4	4	20	0,2	0,3	8°	21°	1,9	3,7	35	7	10512595N	Δ	▲
L105.1823.1.H.5	5	10	0,2	0,5	8°	21°	2,3	4,7	25	7	10512595N	Δ	▲
L105.1823.2.H.5	5	15	0,2	0,5	8°	21°	2,3	4,7	30	7	10512595N	Δ	Δ
L105.1823.3.H.5	5	20	0,2	0,5	8°	21°	2,3	4,7	35	7	10512595N	Δ	▲
L105.1823.4.H.5	5	25	0,2	0,5	8°	21°	2,3	4,7	40	7	10512595N	Δ	Δ
L105.1823.5.H.5	5	30	0,2	0,5	8°	21°	2,3	4,7	45	7	10512595N	Δ	Δ
P	●	●											
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K	o	-											
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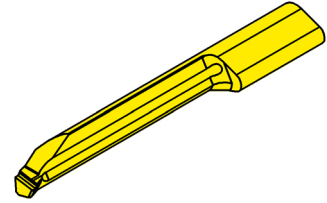
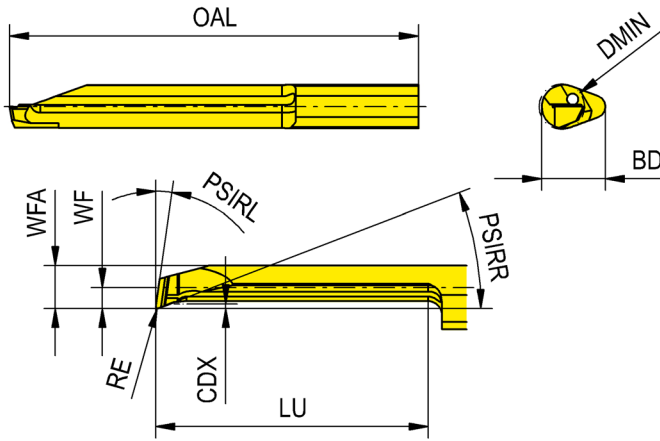
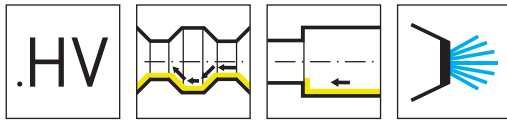


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35
R105.1833.2.H.6	6	15	0,2	0,5	8°	21°	3,3	5,7	30	7	10512595N	Δ	▲
R105.1833.3.H.6	6	20	0,2	0,5	8°	21°	3,3	5,7	35	7	10512595N	Δ	▲
R105.1833.4.H.6	6	25	0,2	0,5	8°	21°	3,3	5,7	40	7	10512595N	Δ	▲
R105.1833.5.H.6	6	30	0,2	0,5	8°	21°	3,3	5,7	45	7	10512595N	Δ	▲
R105.1840.3.H.7	7	20	0,2	0,5	8°	21°	4	6,4	35	7	10512595N	▲	▲
R105.1840.4.H.7	7	25	0,2	0,5	8°	21°	4	6,4	40	7	10512595N	Δ	▲
R105.1840.5.H.7	7	30	0,2	0,5	8°	21°	4	6,4	45	7	10512595N	Δ	▲
L105.1833.2.H.6	6	15	0,2	0,5	8°	21°	3,3	5,7	30	7	10512595N	Δ	Δ
L105.1833.3.H.6	6	20	0,2	0,5	8°	21°	3,3	5,7	35	7	10512595N	Δ	Δ
L105.1833.4.H.6	6	25	0,2	0,5	8°	21°	3,3	5,7	40	7	10512595N	Δ	Δ
L105.1833.5.H.6	6	30	0,2	0,5	8°	21°	3,3	5,7	45	7	10512595N	Δ	Δ
L105.1840.3.H.7	7	20	0,2	0,5	8°	21°	4	6,4	35	7	10512595N	Δ	▲
L105.1840.4.H.7	7	25	0,2	0,5	8°	21°	4	6,4	40	7	10512595N	Δ	Δ
L105.1840.5.H.7	7	30	0,2	0,5	8°	21°	4	6,4	45	7	10512595N	Δ	▲
												P	●
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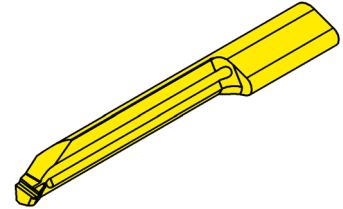
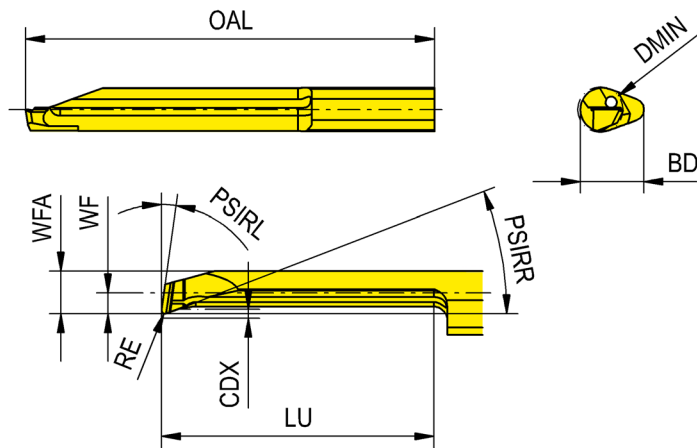
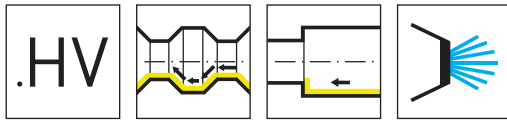
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	IG35	TH35
R105.1819.1.HV4	4	10	0,2	0,3	8°	21°	1,9	3,7	25	7	10512595N	▲	▲
R105.1819.2.HV4	4	15	0,2	0,3	8°	21°	1,9	3,7	30	7	10512595N	▲	▲
R105.1819.3.HV4	4	20	0,2	0,3	8°	21°	1,9	3,7	35	7	10512595N	▲	▲
R105.1823.1.HV5	5	10	0,2	0,5	8°	21°	2,3	4,7	25	7	10512595N	▲	▲
R105.1823.2.HV5	5	15	0,2	0,5	8°	21°	2,3	4,7	30	7	10512595N	▲	▲
R105.1823.3.HV5	5	20	0,2	0,5	8°	21°	2,3	4,7	35	7	10512595N	▲	▲
R105.1823.4.HV5	5	25	0,2	0,5	8°	21°	2,3	4,7	40	7	10512595N	▲	▲
R105.1823.5.HV5	5	30	0,2	0,5	8°	21°	2,3	4,7	45	7	10512595N	▲	▲
L105.1819.1.HV4	4	10	0,2	0,3	8°	21°	1,9	3,7	25	7	10512595N	Δ	Δ
L105.1819.2.HV4	4	15	0,2	0,3	8°	21°	1,9	3,7	30	7	10512595N	Δ	Δ
L105.1819.3.HV4	4	20	0,2	0,3	8°	21°	1,9	3,7	35	7	10512595N	Δ	Δ
L105.1823.1.HV5	5	10	0,2	0,5	8°	21°	2,3	4,7	25	7	10512595N	Δ	Δ
L105.1823.2.HV5	5	15	0,2	0,5	8°	21°	2,3	4,7	30	7	10512595N	Δ	Δ
L105.1823.3.HV5	5	20	0,2	0,5	8°	21°	2,3	4,7	35	7	10512595N	Δ	Δ
L105.1823.4.HV5	5	25	0,2	0,5	8°	21°	2,3	4,7	40	7	10512595N	Δ	Δ
L105.1823.5.HV5	5	30	0,2	0,5	8°	21°	2,3	4,7	45	7	10512595N	Δ	Δ
P	●	●											
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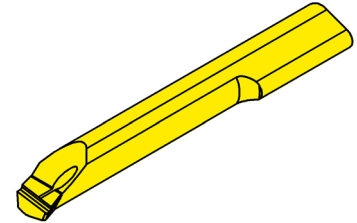
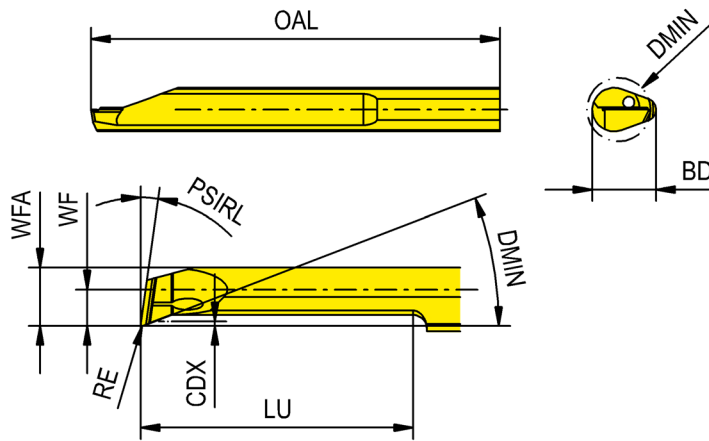
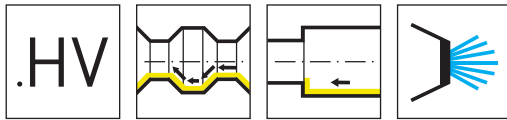
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	IG35	TH35
R105.1819.04.1.HV4	4	10	0,4	0,3	8°	21°	1,9	3,7	25	7	10512595N	▲	▲
R105.1819.04.2.HV4	4	15	0,4	0,3	8°	21°	1,9	3,7	30	7	10512595N	▲	▲
R105.1819.04.3.HV4	4	20	0,4	0,3	8°	21°	1,9	3,7	35	7	10512595N	▲	▲
R105.1823.04.1.HV5	5	10	0,4	0,5	8°	21°	2,3	4,7	25	7	10512595N	▲	▲
R105.1823.04.2.HV5	5	15	0,4	0,5	8°	21°	2,3	4,7	30	7	10512595N	▲	▲
R105.1823.04.4.HV5	5	25	0,4	0,5	8°	21°	2,3	4,7	40	7	10512595N	▲	▲
R105.1823.04.5.HV5	5	30	0,4	0,5	8°	21°	2,3	4,7	45	7	10512595N	▲	▲
L105.1819.04.1.HV4	4	10	0,4	0,3	8°	21°	1,9	3,7	25	7	10512595N	Δ	▲
L105.1819.04.2.HV4	4	15	0,4	0,3	8°	21°	1,9	3,7	30	7	10512595N	Δ	Δ
L105.1819.04.3.HV4	4	20	0,4	0,3	8°	21°	1,9	3,7	35	7	10512595N	Δ	Δ
L105.1823.04.1.HV5	5	10	0,4	0,5	8°	21°	2,3	4,7	25	7	10512595N	Δ	▲
L105.1823.04.2.HV5	5	15	0,4	0,5	8°	21°	2,3	4,7	30	7	10512595N		Δ
L105.1823.04.4.HV5	5	25	0,4	0,5	8°	21°	2,3	4,7	40	7	10512595N	Δ	Δ
L105.1823.04.5.HV5	5	30	0,4	0,5	8°	21°	2,3	4,7	45	7	10512595N	Δ	▲
												P	●
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R = rechts wie gezeichnet
R = right hand version shown

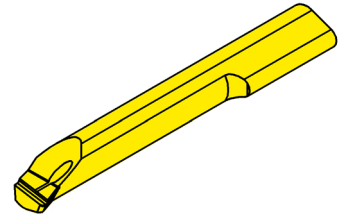
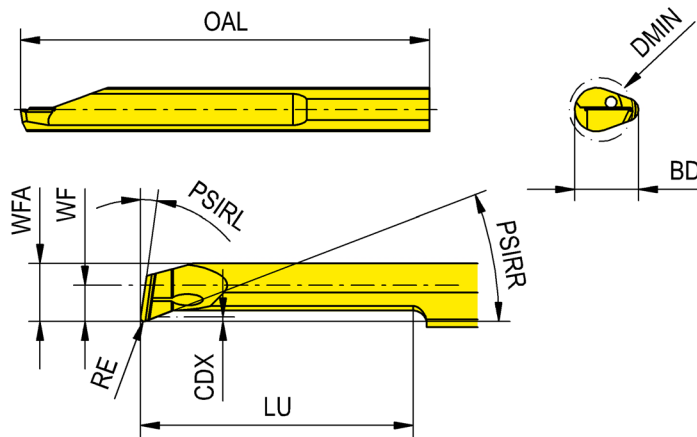
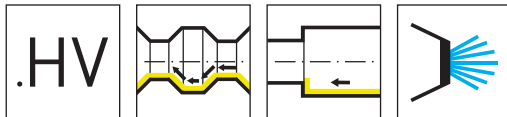
L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	IG35	TH35
R105.1833.2.HV6	6	15	0,2	0,5	8°	21°	3,3	5,7	30	7	10512595N	▲	▲
R105.1833.3.HV6	6	20	0,2	0,5	8°	21°	3,3	5,7	35	7	10512595N	▲	▲
R105.1833.4.HV6	6	25	0,2	0,5	8°	21°	3,3	5,7	40	7	10512595N	▲	▲
R105.1833.5.HV6	6	30	0,2	0,5	8°	21°	3,3	5,7	45	7	10512595N	▲	▲
R105.1840.2.HV7	7	15	0,2	0,5	8°	21°	4	6,4	30	7	10512595N	▲	▲
R105.1840.3.HV7	7	20	0,2	0,5	8°	21°	4	6,4	35	7	10512595N	▲	▲
R105.1840.4.HV7	7	25	0,2	0,5	8°	21°	4	6,4	40	7	10512595N	▲	▲
R105.1840.5.HV7	7	30	0,2	0,5	8°	21°	4	6,4	45	7	10512595N	▲	▲
L105.1833.2.HV6	6	15	0,2	0,5	8°	21°	3,3	5,7	30	7	10512595N	Δ	▲
L105.1833.3.HV6	6	20	0,2	0,5	8°	21°	3,3	5,7	35	7	10512595N	Δ	Δ
L105.1833.4.HV6	6	25	0,2	0,5	8°	21°	3,3	5,7	40	7	10512595N	Δ	▲
L105.1833.5.HV6	6	30	0,2	0,5	8°	21°	3,3	5,7	45	7	10512595N	Δ	Δ
L105.1840.2.HV7	7	15	0,2	0,5	8°	21°	4	6,4	30	7	10512595N	Δ	▲
L105.1840.3.HV7	7	20	0,2	0,5	8°	21°	4	6,4	35	7	10512595N	Δ	Δ
L105.1840.4.HV7	7	25	0,2	0,5	8°	21°	4	6,4	40	7	10512595N	Δ	Δ
L105.1840.5.HV7	7	30	0,2	0,5	8°	21°	4	6,4	45	7	10512595N	Δ	Δ
P	●	●											
M	●	●											
K	o	-											
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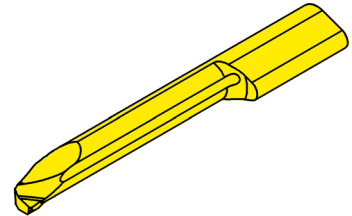
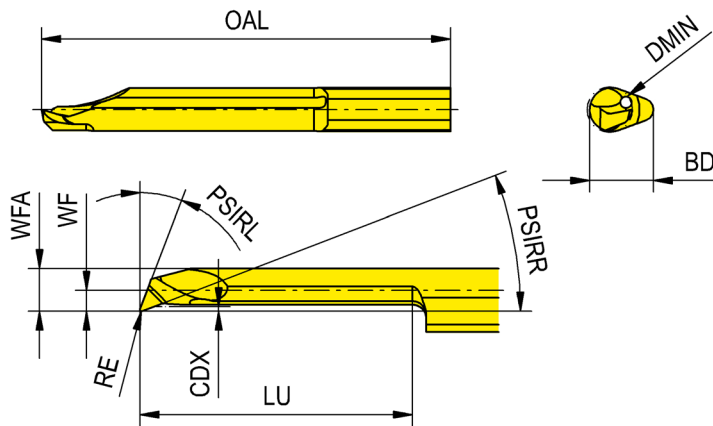
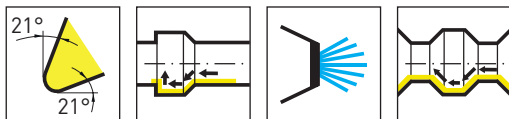


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R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	IG35	TH35
R105.1833.04.2.HV6	6	15	0,4	0,5	8°	21°	3,3	5,7	30	7	10512595N	▲	▲
R105.1833.04.3.HV6	6	20	0,4	0,5	8°	21°	3,3	5,7	35	7	10512595N	▲	▲
R105.1833.04.4.HV6	6	25	0,4	0,5	8°	21°	3,3	5,7	40	7	10512595N	▲	▲
R105.1833.04.5.HV6	6	30	0,4	0,5	8°	21°	3,3	5,7	45	7	10512595N	▲	▲
R105.1840.04.2.HV7	7	15	0,4	0,5	8°	21°	4	6,4	30	7	10512595N	▲	▲
R105.1840.04.3.HV7	7	20	0,4	0,5	8°	21°	4	6,4	35	7	10512595N	▲	▲
R105.1840.04.4.HV7	7	25	0,4	0,5	8°	21°	4	6,4	40	7	10512595N	▲	▲
R105.1840.04.5.HV7	7	30	0,4	0,5	8°	21°	4	6,4	45	7	10512595N	▲	▲
L105.1833.04.2.HV6	6	15	0,4	0,5	8°	21°	3,3	5,7	30	7	10512595N	Δ	▲
L105.1833.04.3.HV6	6	20	0,4	0,5	8°	21°	3,3	5,7	35	7	10512595N	Δ	Δ
L105.1833.04.4.HV6	6	25	0,4	0,5	8°	21°	3,3	5,7	40	7	10512595N	Δ	Δ
L105.1833.04.5.HV6	6	30	0,4	0,5	8°	21°	3,3	5,7	45	7	10512595N	Δ	Δ
L105.1840.04.2.HV7	7	15	0,4	0,5	8°	21°	4	6,4	30	7	10512595N	Δ	▲
L105.1840.04.3.HV7	7	20	0,4	0,5	8°	21°	4	6,4	35	7	10512595N		▲
L105.1840.04.4.HV7	7	25	0,4	0,5	8°	21°	4	6,4	40	7	10512595N	Δ	Δ
L105.1840.04.5.HV7	7	30	0,4	0,5	8°	21°	4	6,4	45	7	10512595N	Δ	Δ
P												●	●
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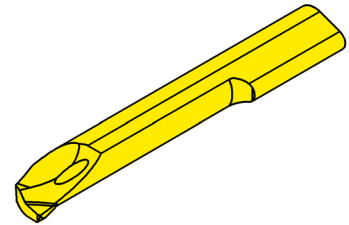
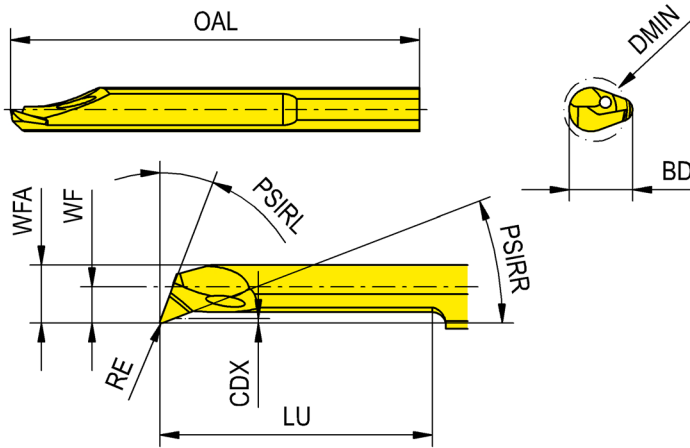
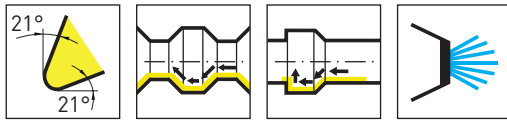
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R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35
R105.2113.1.3	3	10	0,1	0,15	21°	21°	1,3	2,6	25	5,9	10512395N	▲	▲	▲
R105.2113.2.3	3	15	0,1	0,15	21°	21°	1,3	2,6	30	5,9	10512395N	▲	▲	▲
R105.2113.3.3	3	20	0,1	0,15	21°	21°	1,3	2,6	35	5,9	10512395N	▲	▲	▲
R105.2119.1.4	4	10	0,15	0,3	21°	21°	1,9	3,7	25	6,4	10512495N	▲	▲	▲
R105.2119.2.4	4	15	0,15	0,3	21°	21°	1,9	3,7	30	6,4	10512495N	▲	▲	▲
R105.2119.3.4	4	20	0,15	0,3	21°	21°	1,9	3,7	35	6,4	10512495N	▲	▲	▲
R105.2119.4.4	4	25	0,15	0,3	21°	21°	1,9	3,7	40	6,4	10512495N	Δ	▲	▲
R105.2123.1.5	5	10	0,2	0,5	21°	21°	2,3	4,7	25	7	10512595N	Δ	▲	▲
R105.2123.2.5	5	15	0,2	0,5	21°	21°	2,3	4,7	30	7	10512595N	▲	▲	▲
R105.2123.3.5	5	20	0,2	0,5	21°	21°	2,3	4,7	35	7	10512595N	▲	▲	▲
R105.2123.4.5	5	25	0,2	0,5	21°	21°	2,3	4,7	40	7	10512595N	Δ	▲	▲
R105.2123.5.5	5	30	0,2	0,5	21°	21°	2,3	4,7	45	7	10512595N	Δ	▲	▲
R105.2123.6.5	5	35	0,2	0,5	21°	21°	2,3	4,7	50	7	10512595N	▲	▲	▲
L105.2113.1.3	3	10	0,1	0,15	21°	21°	1,3	2,6	25	5,9	10512395N	▲	Δ	Δ
L105.2113.2.3	3	15	0,1	0,15	21°	21°	1,3	2,6	30	5,9	10512395N	▲	Δ	Δ
L105.2113.3.3	3	20	0,1	0,15	21°	21°	1,3	2,6	35	5,9	10512395N	▲	Δ	Δ
L105.2119.1.4	4	10	0,15	0,3	21°	21°	1,9	3,7	25	6,4	10512495N	▲	Δ	Δ
L105.2119.2.4	4	15	0,15	0,3	21°	21°	1,9	3,7	30	6,4	10512495N	Δ	Δ	Δ
L105.2119.3.4	4	20	0,15	0,3	21°	21°	1,9	3,7	35	6,4	10512495N	▲	Δ	Δ
L105.2119.4.4	4	25	0,15	0,3	21°	21°	1,9	3,7	40	6,4	10512495N	Δ	Δ	Δ
L105.2123.1.5	5	10	0,2	0,5	21°	21°	2,3	4,7	25	7	10512595N	Δ	Δ	Δ
L105.2123.2.5	5	15	0,2	0,5	21°	21°	2,3	4,7	30	7	10512595N	▲	Δ	Δ
L105.2123.3.5	5	20	0,2	0,5	21°	21°	2,3	4,7	35	7	10512595N	Δ	Δ	Δ
L105.2123.4.5	5	25	0,2	0,5	21°	21°	2,3	4,7	40	7	10512595N	Δ	Δ	Δ
L105.2123.5.5	5	30	0,2	0,5	21°	21°	2,3	4,7	45	7	10512595N	Δ	Δ	Δ
L105.2123.6.5	5	35	0,2	0,5	21°	21°	2,3	4,7	50	7	10512595N	Δ	Δ	Δ
P	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N	○	○	○	○	○	○	○	○	○	○	○	○	○	○
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-

A1



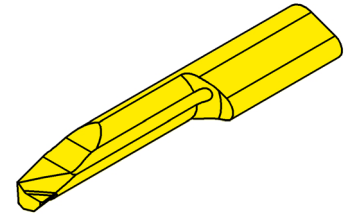
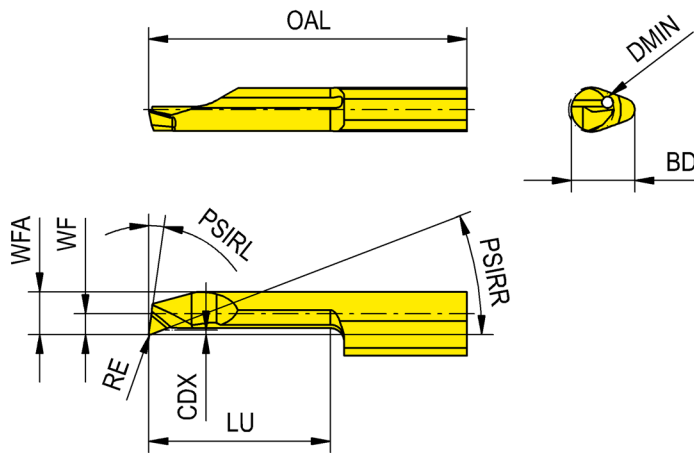
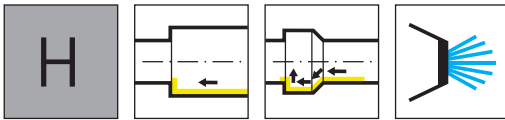
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35
R105.2133.1.6	6	10	0,2	0,5	21°	21°	3,3	5,7	25	7	10512595N	▲	▲	▲
R105.2133.2.6	6	15	0,2	0,5	21°	21°	3,3	5,7	30	7	10512595N	▲	▲	▲
R105.2133.3.6	6	20	0,2	0,5	21°	21°	3,3	5,7	35	7	10512595N	▲	▲	▲
R105.2133.4.6	6	25	0,2	0,5	21°	21°	3,3	5,7	40	7	10512595N	Δ	▲	▲
R105.2133.5.6	6	30	0,2	0,5	21°	21°	3,3	5,7	45	7	10512595N	Δ	▲	▲
R105.2133.6.6	6	35	0,2	0,5	21°	21°	3,3	5,7	50	7	10512595N	Δ	▲	▲
R105.2140.1.7	7	10	0,2	0,5	21°	21°	4	6,4	25	7	10512595N	▲	▲	▲
R105.2140.2.7	7	15	0,2	0,5	21°	21°	4	6,4	30	7	10512595N	▲	▲	▲
R105.2140.3.7	7	20	0,2	0,5	21°	21°	4	6,4	35	7	10512595N	▲	▲	▲
R105.2140.4.7	7	25	0,2	0,5	21°	21°	4	6,4	40	7	10512595N	Δ	▲	▲
R105.2140.5.7	7	30	0,2	0,5	21°	21°	4	6,4	45	7	10512595N	Δ	▲	▲
R105.2140.6.7	7	35	0,2	0,5	21°	21°	4	6,4	50	7	10512595N	Δ	▲	▲
L105.2133.1.6	6	10	0,2	0,5	21°	21°	3,3	5,7	25	7	10512595N	▲	Δ	Δ
L105.2133.2.6	6	15	0,2	0,5	21°	21°	3,3	5,7	30	7	10512595N	▲	Δ	Δ
L105.2133.3.6	6	20	0,2	0,5	21°	21°	3,3	5,7	35	7	10512595N	▲	Δ	Δ
L105.2133.4.6	6	25	0,2	0,5	21°	21°	3,3	5,7	40	7	10512595N	Δ	Δ	Δ
L105.2133.5.6	6	30	0,2	0,5	21°	21°	3,3	5,7	45	7	10512595N	Δ	Δ	Δ
L105.2133.6.6	6	35	0,2	0,5	21°	21°	3,3	5,7	50	7	10512595N	Δ	Δ	Δ
L105.2140.1.7	7	10	0,2	0,5	21°	21°	4	6,4	25	7	10512595N	▲	Δ	Δ
L105.2140.2.7	7	15	0,2	0,5	21°	21°	4	6,4	30	7	10512595N	▲	Δ	Δ
L105.2140.3.7	7	20	0,2	0,5	21°	21°	4	6,4	35	7	10512595N	Δ	Δ	Δ
L105.2140.4.7	7	25	0,2	0,5	21°	21°	4	6,4	40	7	10512595N	Δ	Δ	Δ
L105.2140.5.7	7	30	0,2	0,5	21°	21°	4	6,4	45	7	10512595N	Δ	Δ	Δ
L105.2140.6.7	7	35	0,2	0,5	21°	21°	4	6,4	50	7	10512595N	Δ	Δ	Δ
P	●	●	●											
M	●	●	●											
K	●	●	●											
N	o	o	-											
S	-	o	-											
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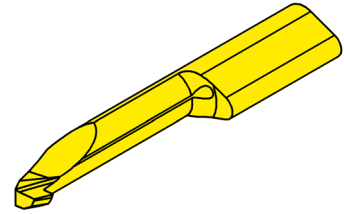
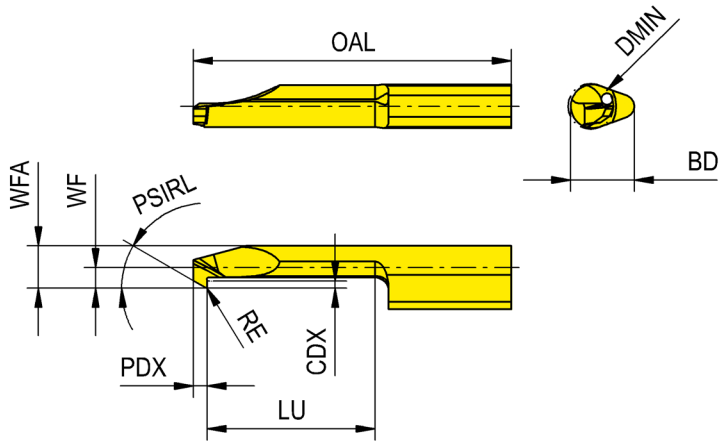
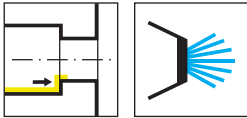
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R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	SG36
R105.1819.01.1.4F	4	10	0,1	0,3	8°	21°	1,9	3,7	25	6,4	10512495N	▲
R105.1819.01.2.4F	4	15	0,1	0,3	8°	21°	1,9	3,7	30	7	10512595N	▲
R105.1823.15.2.5F	5	15	0,15	0,5	8°	21°	2,3	4,7	30	7	10512595N	▲
R105.1823.15.3.5F	5	20	0,15	0,5	8°	21°	2,3	4,7	35	7	10512595N	▲
L105.1819.01.1.4F	4	10	0,1	0,3	8°	21°	1,9	3,7	25	6,4	10512495N	▲
L105.1819.01.2.4F	4	15	0,1	0,3	8°	21°	1,9	3,7	30	7	10512595N	▲
L105.1823.15.2.5F	5	15	0,15	0,5	8°	21°	2,3	4,7	30	7	10512595N	▲
L105.1823.15.3.5F	5	20	0,15	0,5	8°	21°	2,3	4,7	35	7	10512595N	▲
											P	-
											M	-
											K	-
											N	-
											S	•
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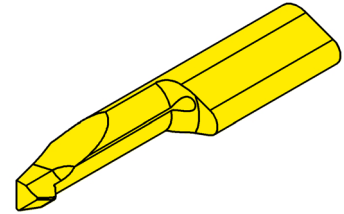
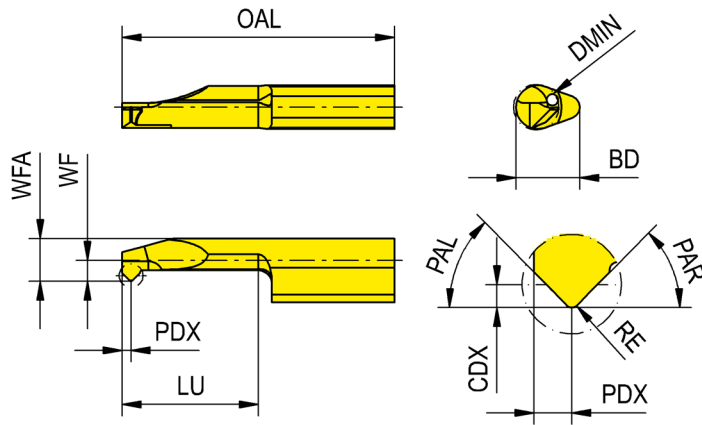
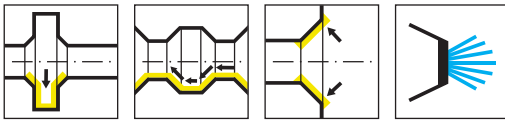
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	T125
R105.3013.2.3	3	15	0,1	0,5	30°	1,5	1,3	2,6	30	5,9	10512395N	▲	▲
R105.3013.3.3	3	20	0,1	0,5	30°	1,5	1,3	2,6	35	5,9	10512395N	▲	▲
R105.3019.2.4	4	15	0,15	0,8	30°	1,5	1,9	3,7	30	6,4	10512495N	▲	▲
R105.3019.4.4	4	25	0,15	0,8	30°	1,5	1,9	3,7	40	6,4	10512495N	▲	▲
R105.3023.3.5	5	20	0,2	1	30°	1,5	2,3	4,7	35	7	10512595N	▲	▲
R105.3023.5.5	5	30	0,2	1	30°	1,5	2,3	4,7	45	7	10512595N	▲	▲
R105.3033.3.6	6	20	0,2	1,8	30°	1,5	3,3	5,7	35	7	10512595N	▲	▲
R105.3033.5.6	6	30	0,2	1,8	30°	1,5	3,3	5,7	45	7	10512595N	▲	▲
R105.3040.3.7	6,8	20	0,2	2,5	30°	1,5	4	6,4	35	7	10512595N	▲	▲
R105.3040.5.7	6,8	30	0,2	2,5	30°	1,5	4	6,4	45	7	10512595N	▲	▲
L105.3013.2.3	3	15	0,1	0,5	30°	1,5	1,3	2,6	30	5,9	10512395N	Δ	▲
L105.3013.3.3	3	20	0,1	0,5	30°	1,5	1,3	2,6	35	5,9	10512395N	Δ	Δ
L105.3019.2.4	4	15	0,15	0,8	30°	1,5	1,9	3,7	30	6,4	10512495N		Δ
L105.3019.4.4	4	25	0,15	0,8	30°	1,5	1,9	3,7	40	6,4	10512495N	Δ	Δ
L105.3023.3.5	5	20	0,2	1	30°	1,5	2,3	4,7	35	7	10512595N	▲	▲
L105.3023.5.5	5	30	0,2	1	30°	1,5	2,3	4,7	45	7	10512395N	Δ	Δ
L105.3033.3.6	6	20	0,2	1,8	30°	1,5	3,3	5,7	35	7	10512595N	Δ	▲
L105.3033.5.6	6	30	0,2	1,8	30°	1,5	3,3	5,7	45	7	10512595N	Δ	Δ
L105.3040.3.7	6,8	20	0,2	2,5	30°	1,5	4	6,4	35	7	10512595N	▲	▲
L105.3040.5.7	6,8	30	0,2	2,5	30°	1,5	4	6,4	45	7	10512595N	Δ	Δ
P	●	●											
M	●	●											
K	●	-											
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R = rechts wie gezeichnet
R = right hand version shown

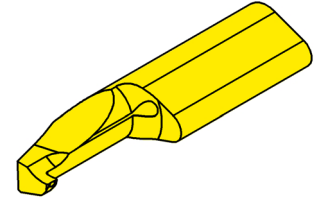
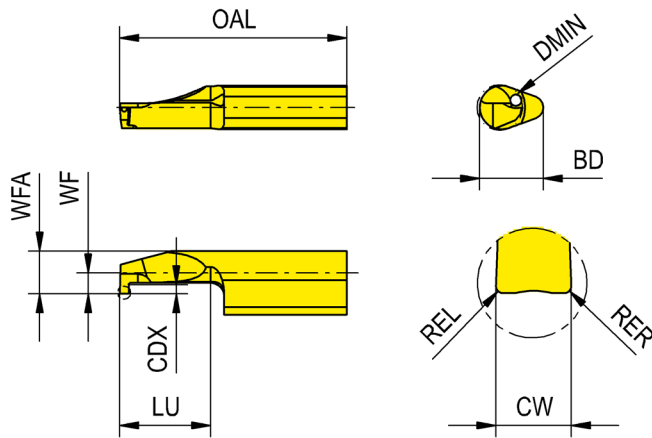
L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PDX	PAL	PAR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.4545.1.3	3	10	0,2	0,5	1	45°	45°	1,4	2,7	25	5,9	10512395N		▲	
R105.4545.1.4	4	10	0,2	0,7	1	45°	45°	1,9	3,7	25	6,4	10512495N		▲	
R105.4545.2.5	5	15	0,2	0,7	1	45°	45°	2,3	4,7	30	7	10512595N	▲		▲
R105.4545.3.7	7	20	0,2	0,7	1	45°	45°	4	6,4	35	7	10512595N	▲		▲
L105.4545.1.3	3	10	0,2	0,5	1	45°	45°	1,4	2,7	25	5,9	10512395N		▲	
L105.4545.1.4	4	10	0,2	0,7	1	45°	45°	1,9	3,7	25	6,4	10512495N		▲	
L105.4545.2.5	5	15	0,2	0,7	1	45°	45°	2,3	4,7	30	7	10512595N	▲		▲
L105.4545.3.7	7	20	0,2	0,7	1	45°	45°	4	6,4	35	7	10512595N	▲		▲
P	●	●	●										●	●	●
M	●	●	●										●	●	-
K	●	●	●										●	●	●
N	o	-	-										-	-	-
S	-	-	-										-	-	-
H	-	-	-										-	-	-

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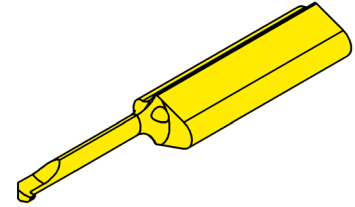
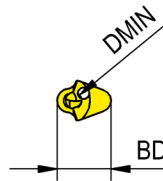
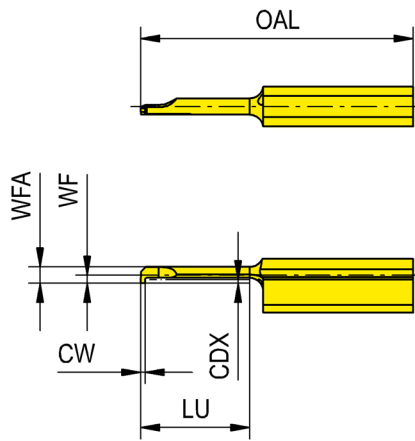
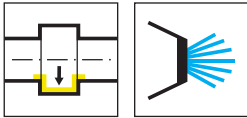


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L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	CDX	REL	RER	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35
R105.FB10.1.01	5	10	1	1	0,1	0,1	2,3	4,7	25	7	10512595N	▲
R105.FB10.2.01	5	15	1	1	0,1	0,1	2,3	4,7	30	7	10512595N	▲
R105.FB15.1.01	5	10	1,5	1	0,1	0,1	2,3	4,7	25	7	10512595N	▲
R105.FB15.2.01	5	15	1,5	1	0,1	0,1	2,3	4,7	30	7	10512595N	▲
L105.FB10.1.01	5	10	1	1	0,1	0,1	2,3	4,7	25	7	10512595N	▲
L105.FB10.2.01	5	15	1	1	0,1	0,1	2,3	4,7	30	7	10512595N	▲
L105.FB15.1.01	5	10	1,5	1	0,1	0,1	2,3	4,7	25	7	10512595N	▲
L105.FB15.2.01	5	15	1,5	1	0,1	0,1	2,3	4,7	30	7	10512595N	▲
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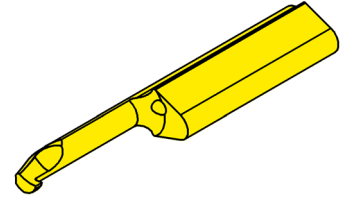
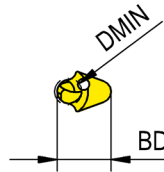
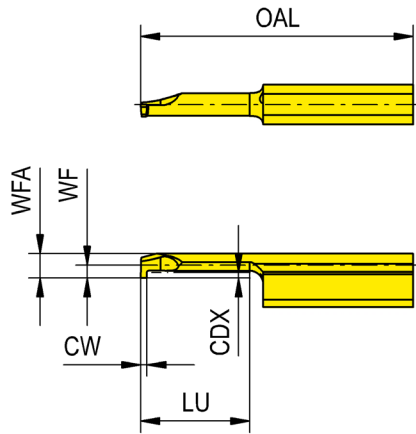
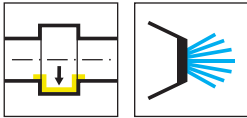
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	CDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	T125
R105.0050.0.2	2	6	0,5	0,4	1,4	1,8	25	5,9	10512395N	▲	▲
R105.0050.1.2	2	9	0,5	0,4	1,4	1,8	25	5,9	10512395N	▲	▲
L105.0050.0.2	2	6	0,5	0,4	1,4	1,8	25	5,9	10512395N	▲	▲
L105.0050.1.2	2	9	0,5	0,4	1,4	1,8	25	5,9	10512395N	Δ	▲
										P	●
										M	●
										K	●
										N	o
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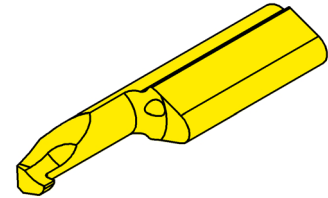
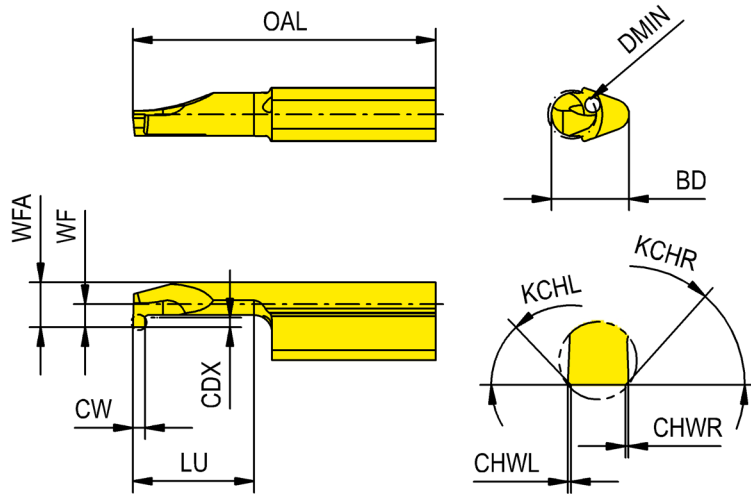
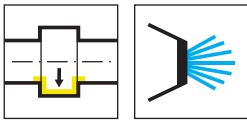


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L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	CDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	ES15	T125
R105.0050.1.3	3	8	0,5	0,5	1,4	2,7	25	5,9	10512395N	▲	Δ	
R105.0050.2.3	3	12	0,5	0,5	1,4	2,7	30	5,9	10512395N	Δ	Δ	
R105.0050.3.3	3	16	0,5	0,5	1,4	2,7	35	5,9	10512395N	Δ	Δ	
R105.0070.1.3	3	8	0,7	0,6	1,4	2,7	25	5,9	10512395N	▲		▲
R105.0070.2.3	3	12	0,7	0,6	1,4	2,7	30	5,9	10512395N	▲		▲
R105.0070.3.3	3	16	0,7	0,6	1,4	2,7	35	5,9	10512395N	▲		▲
L105.0070.1.3	3	8	0,7	0,6	1,4	2,7	25	5,9	10512395N	▲		▲
L105.0070.2.3	3	12	0,7	0,6	1,4	2,7	30	5,9	10512395N	Δ		▲
L105.0070.3.3	3	16	0,7	0,6	1,4	2,7	35	5,9	10512395N	Δ		▲
P	●	●	●									
M	●	●	●									
K	●	-	-									
N	o	o	●									
S	-	o	-									
H	-	-	-									



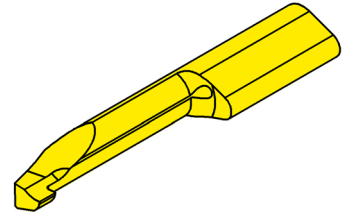
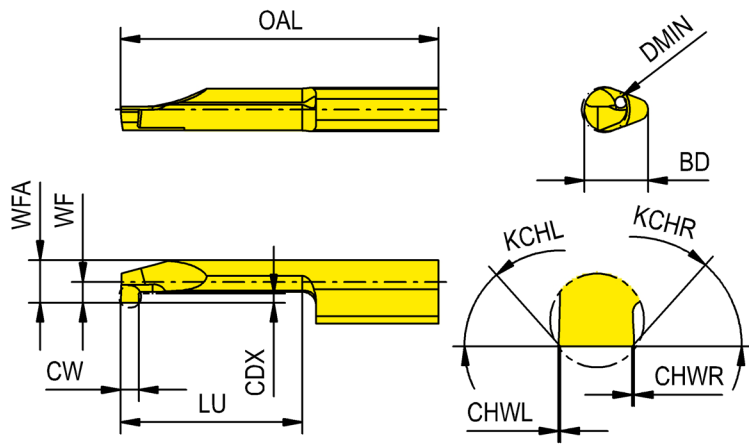
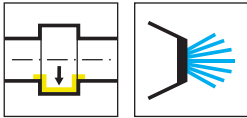
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L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	CDX	CHWL	KCHL	CHWR	KCHR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	ES15	TN35
R105.0050.1.4	4	10	0,5	0,6	-	-	-	-	1,9	3,7	25	6,4	10512495N	▲	▲	
R105.0050.2.4	4	15	0,5	0,6	-	-	-	-	1,9	3,7	30	6,4	10512495N	▲	▲	
R105.0050.3.4	4	20	0,5	0,6	-	-	-	-	1,9	3,7	30	6,4	10512495N	Δ	Δ	
R105.0100.1.4	4	10	1	0,8	0,04	45°	0,04	45°	1,9	3,7	25	6,4	10512495N	▲		▲
R105.0100.2.4	4	15	1	0,8	0,04	45°	0,04	45°	1,9	3,7	30	6,4	10512495N	▲		▲
R105.0100.3.4	4	20	1	0,8	0,04	45°	0,04	45°	1,9	3,7	35	6,4	10512495N	Δ		▲
L105.0100.1.4	4	10	1	0,8	0,04	45°	0,04	45°	1,9	3,7	25	6,4	10512495N	Δ		▲
L105.0100.2.4	4	15	1	0,8	0,04	45°	0,04	45°	1,9	3,7	30	6,4	10512495N	Δ		▲
L105.0100.3.4	4	20	1	0,8	0,04	45°	0,04	45°	1,9	3,7	35	6,4	10512495N	Δ		▲
P	●	●	●													
M	●	●	●													
K	●	●	●													
N	o	o	o													
S	-	o	o													
H	-	-	-													

A1

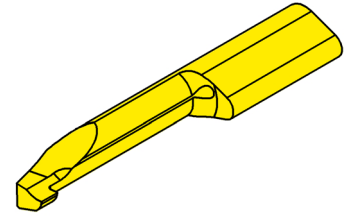
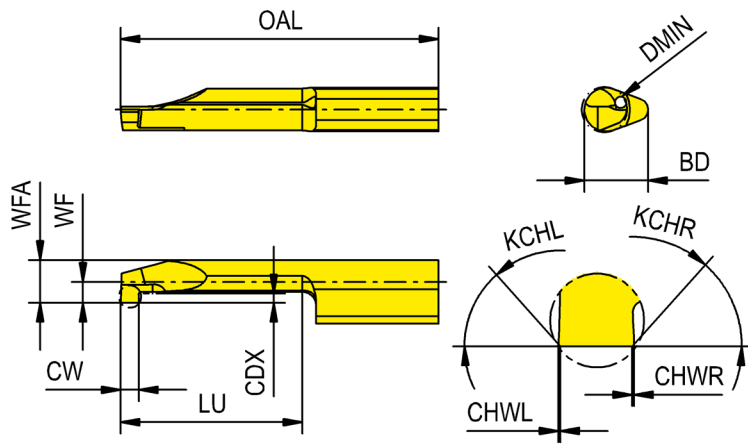
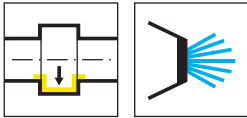


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	CDX	CHWL	KCHL	CHWR	KCHR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0100.1.5	5	10	1	1	0,04	45°	0,04	45°	2,3	4,7	25	7	10512595N	▲	▲	▲
R105.0100.2.5	5	15	1	1	0,04	45°	0,04	45°	2,3	4,7	30	7	10512595N	▲	▲	▲
R105.0100.3.5	5	20	1	1	0,04	45°	0,04	45°	2,3	4,7	35	7	10512595N	▲	▲	▲
R105.0100.4.5	5	25	1	1	0,04	45°	0,04	45°	2,3	4,7	40	7	10512595N	▲	Δ	▲
R105.0100.5.5	5	30	1	1	0,04	45°	0,04	45°	2,3	4,7	45	7	10512595N	▲	▲	▲
R105.0150.1.5	5	10	1,5	1	0,04	45°	0,04	45°	2,3	4,7	25	7	10512595N	▲	▲	▲
R105.0150.2.5	5	15	1,5	1	0,04	45°	0,04	45°	2,3	4,7	30	7	10512595N	▲	▲	▲
R105.0150.3.5	5	20	1,5	1	0,04	45°	0,04	45°	2,3	4,7	35	7	10512595N	▲	▲	▲
R105.0150.4.5	5	25	1,5	1	0,04	45°	0,04	45°	2,3	4,7	40	7	10512595N	▲	▲	▲
R105.0150.5.5	5	30	1,5	1	0,04	45°	0,04	45°	2,3	4,7	45	7	10512595N	Δ	▲	▲
L105.0100.1.5	5	10	1	1	0,04	45°	0,04	45°	2,3	4,7	25	7	10512595N	▲	▲	▲
L105.0100.2.5	5	15	1	1	0,04	45°	0,04	45°	2,3	4,7	30	7	10512595N	Δ	Δ	▲
L105.0100.3.5	5	20	1	1	0,04	45°	0,04	45°	2,3	4,7	35	7	10512595N	Δ	Δ	▲
L105.0100.4.5	5	25	1	1	0,04	45°	0,04	45°	2,3	4,7	40	7	10512595N	Δ	Δ	Δ
L105.0100.5.5	5	30	1	1	0,04	45°	0,04	45°	2,3	4,7	45	7	10512595N	Δ		Δ
L105.0150.1.5	5	10	1,5	1	0,04	45°	0,04	45°	2,3	4,7	25	7	10512595N	Δ	Δ	▲
L105.0150.2.5	5	15	1,5	1	0,04	45°	0,04	45°	2,3	4,7	30	7	10512595N	Δ	Δ	▲
L105.0150.3.5	5	20	1,5	1	0,04	45°	0,04	45°	2,3	4,7	35	7	10512595N	Δ	Δ	▲
L105.0150.4.5	5	25	1,5	1	0,04	45°	0,04	45°	2,3	4,7	40	7	10512595N	Δ	Δ	Δ
L105.0150.5.5	5	30	1,5	1	0,04	45°	0,04	45°	2,3	4,7	45	7	10512595N	Δ	Δ	Δ
P	●	●	●													
M	●	●														
K	●															
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S	-															
H	-															

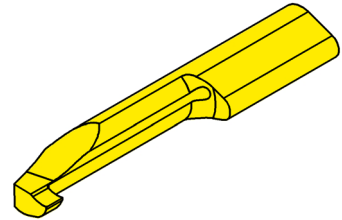
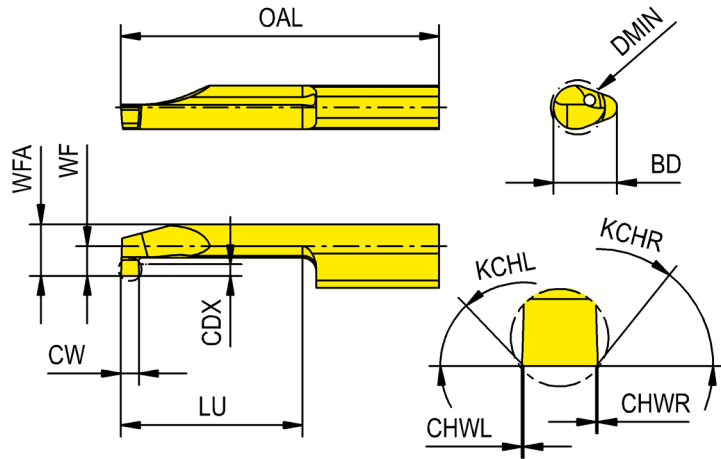
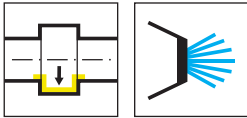


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	CDX	CHWL	KCHL	CHWR	KCHR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0200.1.5	5	10	2	1	0,04	45°	0,04	45°	2,3	4,7	25	7	10512595N	▲	▲	▲
R105.0200.2.5	5	15	2	1	0,04	45°	0,04	45°	2,3	4,7	30	7	10512595N	▲	▲	▲
R105.0200.3.5	5	20	2	1	0,04	45°	0,04	45°	2,3	4,7	35	7	10512595N	▲	▲	▲
R105.0200.4.5	5	25	2	1	0,04	45°	0,04	45°	2,3	4,7	40	7	10512595N	▲	▲	▲
R105.0200.5.5	5	30	2	1	0,04	45°	0,04	45°	2,3	4,7	45	7	10512595N	Δ	▲	▲
L105.0200.1.5	5	10	2	1	0,04	45°	0,04	45°	2,3	4,7	25	7	10512595N	Δ	▲	▲
L105.0200.2.5	5	15	2	1	0,04	45°	0,04	45°	2,3	4,7	30	7	10512595N	Δ	▲	▲
L105.0200.3.5	5	20	2	1	0,04	45°	0,04	45°	2,3	4,7	35	7	10512595N	Δ	Δ	Δ
L105.0200.4.5	5	25	2	1	0,04	45°	0,04	45°	2,3	4,7	40	7	10512595N	Δ	Δ	Δ
L105.0200.5.5	5	30	2	1	0,04	45°	0,04	45°	2,3	4,7	45	7	10512595N	Δ	Δ	Δ
P	●	●	●											●	●	●
M	●	●	●											●	●	-
K	●	-	-											●	-	●
N	o	-	-											-	-	-
S	-	-	-											-	-	-
H	-	-	-											-	-	-

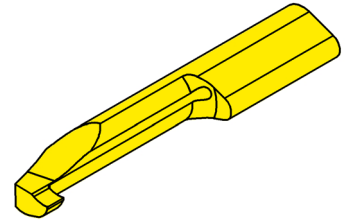
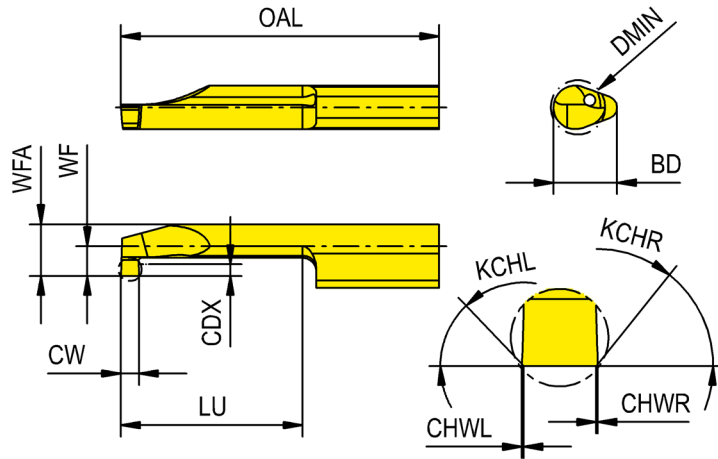
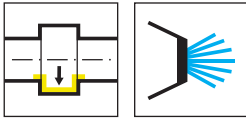


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	CDX	CHWL	KCHL	CHWR	KCHR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0100.1.6	6	10	1	1,8	0,04	45°	0,04	45°	3,3	5,7	25	7	10512595N	▲	▲	▲
R105.0100.2.6	6	15	1	1,8	0,04	45°	0,04	45°	3,3	5,7	30	7	10512595N	▲	▲	▲
R105.0100.3.6	6	20	1	1,8	0,04	45°	0,04	45°	3,3	5,7	35	7	10512595N	▲	▲	▲
R105.0100.4.6	6	25	1	1,8	0,04	45°	0,04	45°	3,3	5,7	40	7	10512595N	▲	▲	▲
R105.0100.5.6	6	30	1	1,8	0,04	45°	0,04	45°	3,3	5,7	45	7	10512595N	▲	▲	▲
R105.0150.1.6	6	10	1,5	1,8	0,04	45°	0,04	45°	3,3	5,7	25	7	10512595N	▲	▲	▲
R105.0150.2.6	6	15	1,5	1,8	0,04	45°	0,04	45°	3,3	5,7	30	7	10512595N	▲	▲	▲
R105.0150.3.6	6	20	1,5	1,8	0,04	45°	0,04	45°	3,3	5,7	35	7	10512595N	▲	▲	▲
R105.0150.4.6	6	25	1,5	1,8	0,04	45°	0,04	45°	3,3	5,7	40	7	10512595N	▲	▲	▲
R105.0150.5.6	6	30	1,5	1,8	0,04	45°	0,04	45°	3,3	5,7	45	7	10512595N	▲	▲	▲
L105.0100.1.6	6	10	1	1,8	0,04	45°	0,04	45°	3,3	5,7	25	7	10512595N	▲	▲	▲
L105.0100.2.6	6	15	1	1,8	0,04	45°	0,04	45°	3,3	5,7	30	7	10512595N	Δ	▲	▲
L105.0100.3.6	6	20	1	1,8	0,04	45°	0,04	45°	3,3	5,7	35	7	10512595N	Δ	▲	▲
L105.0100.4.6	6	25	1	1,8	0,04	45°	0,04	45°	3,3	5,7	40	7	10512595N	Δ	▲	Δ
L105.0100.5.6	6	30	1	1,8	0,04	45°	0,04	45°	3,3	5,7	45	7	10512595N	Δ	Δ	Δ
L105.0150.1.6	6	10	1,5	1,8	0,04	45°	0,04	45°	3,3	5,7	25	7	10512595N	▲	▲	▲
L105.0150.2.6	6	15	1,5	1,8	0,04	45°	0,04	45°	3,3	5,7	30	7	10512595N	▲	▲	▲
L105.0150.3.6	6	20	1,5	1,8	0,04	45°	0,04	45°	3,3	5,7	35	7	10512595N	Δ	▲	▲
L105.0150.4.6	6	25	1,5	1,8	0,04	45°	0,04	45°	3,3	5,7	40	7	10512595N	Δ	Δ	▲
L105.0150.5.6	6	30	1,5	1,8	0,04	45°	0,04	45°	3,3	5,7	45	7	10512595N	Δ	Δ	▲
P	●	●	●													
M	●	●	●													
K	●	●	●													
N	○	○	○													
S	-	-	-													
H	-	-	-													



R = rechts wie gezeichnet
R = right hand version shown

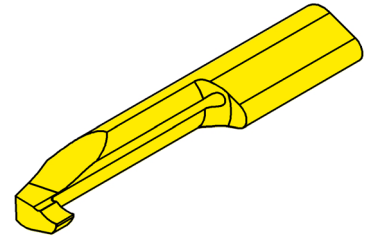
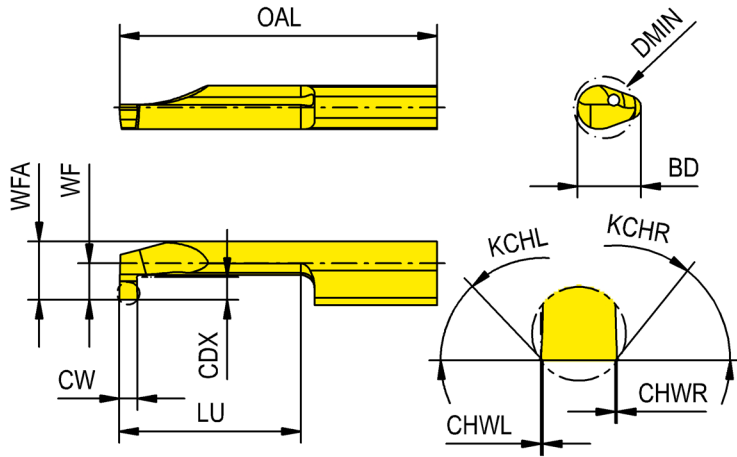
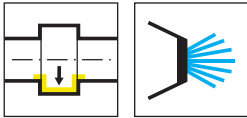
L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager
▲ on stock

Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	DMIN	LU	CW	CDX	CHWL	KCHL	CHWR	KCHR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0200.1.6	6	10	2	1,8	0,04	45°	0,04	45°	3,3	5,7	25	7	10512595N	▲	▲	▲
R105.0200.2.6	6	15	2	1,8	0,04	45°	0,04	45°	3,3	5,7	30	7	10512595N	▲	▲	▲
R105.0200.3.6	6	20	2	1,8	0,04	45°	0,04	45°	3,3	5,7	35	7	10512595N	▲	▲	▲
R105.0200.4.6	6	25	2	1,8	0,04	45°	0,04	45°	3,3	5,7	40	7	10512595N	▲	▲	▲
R105.0200.5.6	6	30	2	1,8	0,04	45°	0,04	45°	3,3	5,7	45	7	10512595N	▲	▲	▲
L105.0200.1.6	6	10	2	1,8	0,04	45°	0,04	45°	3,3	5,7	25	7	10512595N	▲	▲	▲
L105.0200.2.6	6	15	2	1,8	0,04	45°	0,04	45°	3,3	5,7	30	7	10512595N	▲	▲	▲
L105.0200.3.6	6	20	2	1,8	0,04	45°	0,04	45°	3,3	5,7	35	7	10512595N	▲	▲	▲
L105.0200.4.6	6	25	2	1,8	0,04	45°	0,04	45°	3,3	5,7	40	7	10512595N	▲	Δ	▲
L105.0200.5.6	6	30	2	1,8	0,04	45°	0,04	45°	3,3	5,7	45	7	10512595N	Δ	Δ	▲
P	●	●	●											●	●	●
M	●	●	●											●	●	-
K	●	-	-											●	-	●
N	o	-	-											-	-	-
S	-	-	-											-	-	-
H	-	-	-											-	-	-

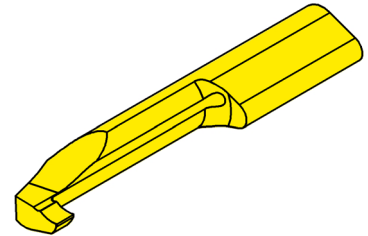
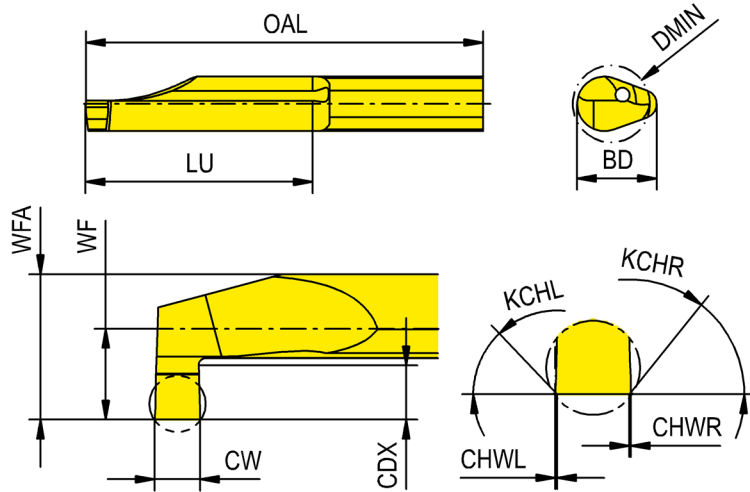
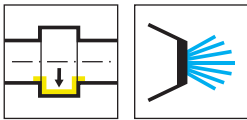


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	CDX	CHWL	KCHL	CHWR	KCHR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0100.1.7	6,8	10	1	2,5	0,04	45°	0,04	45°	4	6,4	25	7	10512595N	▲	▲	▲
R105.0100.2.7	6,8	15	1	2,5	0,04	45°	0,04	45°	4	6,4	30	7	10512595N	▲	▲	▲
R105.0100.3.7	6,8	20	1	2,5	0,04	45°	0,04	45°	4	6,4	35	7	10512595N	▲	▲	▲
R105.0100.4.7	6,8	25	1	2,5	0,04	45°	0,04	45°	4	6,4	40	7	10512595N	▲	▲	▲
R105.0100.5.7	6,8	30	1	2,5	0,04	45°	0,04	45°	4	6,4	45	7	10512595N	Δ	▲	▲
R105.0150.1.7	6,8	10	1,5	2,5	0,04	45°	0,04	45°	4	6,4	25	7	10512595N	▲	▲	▲
R105.0150.2.7	6,8	15	1,5	2,5	0,04	45°	0,04	45°	4	6,4	30	7	10512595N	▲	▲	▲
R105.0150.3.7	6,8	20	1,5	2,5	0,04	45°	0,04	45°	4	6,4	35	7	10512595N	▲	▲	▲
R105.0150.4.7	6,8	25	1,5	2,5	0,04	45°	0,04	45°	4	6,4	40	7	10512595N	▲	▲	▲
R105.0150.5.7	6,8	30	1,5	2,5	0,04	45°	0,04	45°	4	6,4	45	7	10512595N	▲	▲	▲
L105.0100.1.7	6,8	10	1	2,5	0,04	45°	0,04	45°	4	6,4	25	7	10512595N	Δ	▲	▲
L105.0100.2.7	6,8	15	1	2,5	0,04	45°	0,04	45°	4	6,4	30	7	10512595N	▲	▲	▲
L105.0100.3.7	6,8	20	1	2,5	0,04	45°	0,04	45°	4	6,4	35	7	10512595N	▲	▲	▲
L105.0100.4.7	6,8	25	1	2,5	0,04	45°	0,04	45°	4	6,4	40	7	10512595N	Δ	Δ	▲
L105.0100.5.7	6,8	30	1	2,5	0,04	45°	0,04	45°	4	6,4	45	7	10512595N	Δ	▲	▲
L105.0150.1.7	6,8	10	1,5	2,5	0,04	45°	0,04	45°	4	6,4	25	7	10512595N	▲	▲	▲
L105.0150.2.7	6,8	15	1,5	2,5	0,04	45°	0,04	45°	4	6,4	30	7	10512595N	▲	▲	▲
L105.0150.3.7	6,8	20	1,5	2,5	0,04	45°	0,04	45°	4	6,4	35	7	10512595N	▲	▲	▲
L105.0150.4.7	6,8	25	1,5	2,5	0,04	45°	0,04	45°	4	6,4	40	7	10512595N	Δ	▲	▲
L105.0150.5.7	6,8	30	1,5	2,5	0,04	45°	0,04	45°	4	6,4	45	7	10512595N	Δ	▲	▲
P	●	●	●													
M	●	●	●													
K	●	●	●													
N	○	○	○													
S	-	-	-													
H	-	-	-													



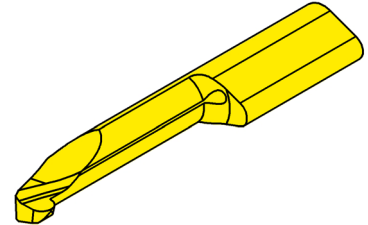
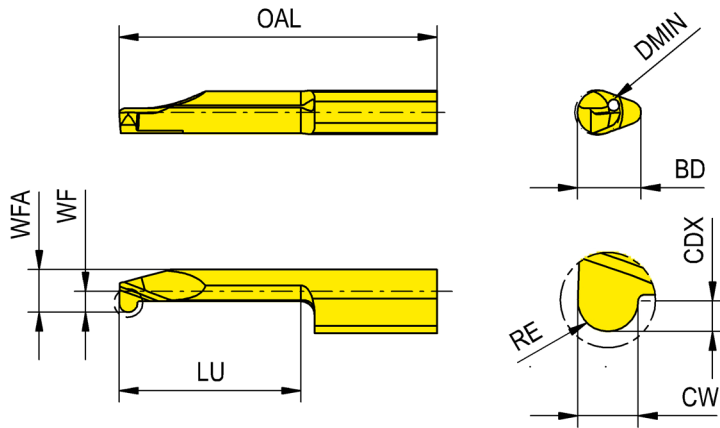
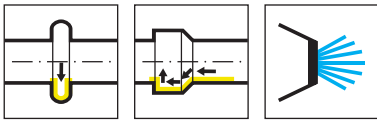
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	CDX	CHWL	KCHL	CHWR	KCHR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0200.1.7	6,8	15	2	2,5	0,04	45°	0,04	45°	4	6,4	10	7	10512595N	▲	▲	▲
R105.0200.2.7	6,8	15	2	2,5	0,04	45°	0,04	45°	4	6,4	30	7	10512595N	▲	▲	▲
R105.0200.3.7	6,8	20	2	2,5	0,04	45°	0,04	45°	4	6,4	35	7	10512595N	▲	▲	▲
R105.0200.4.7	6,8	25	2	2,5	0,04	45°	0,04	45°	4	6,4	40	7	10512095N	▲	▲	▲
R105.0200.5.7	6,8	30	2	2,5	0,04	45°	0,04	45°	4	6,4	45	7	10512595N	▲	▲	▲
L105.0200.1.7	6,8	15	2	2,5	0,04	45°	0,04	45°	4	6,4	10	7	10512595N	▲	▲	▲
L105.0200.2.7	6,8	15	2	2,5	0,04	45°	0,04	45°	4	6,4	30	7	10512595N	Δ	▲	▲
L105.0200.3.7	6,8	20	2	2,5	0,04	45°	0,04	45°	4	6,4	35	7	10512595N	Δ	▲	▲
L105.0200.4.7	6,8	25	2	2,5	0,04	45°	0,04	45°	4	6,4	40	7	10512095N	Δ	▲	▲
L105.0200.5.7	6,8	30	2	2,5	0,04	45°	0,04	45°	4	6,4	45	7	10512595N	Δ	▲	▲
P	●	●	●											●	●	●
M	●	●	●											●	●	-
K	●	-	-											●	-	●
N	o	-	-											-	-	-
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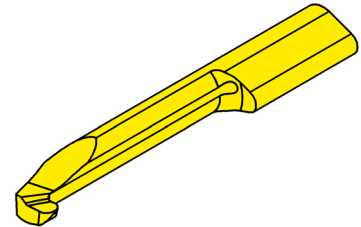
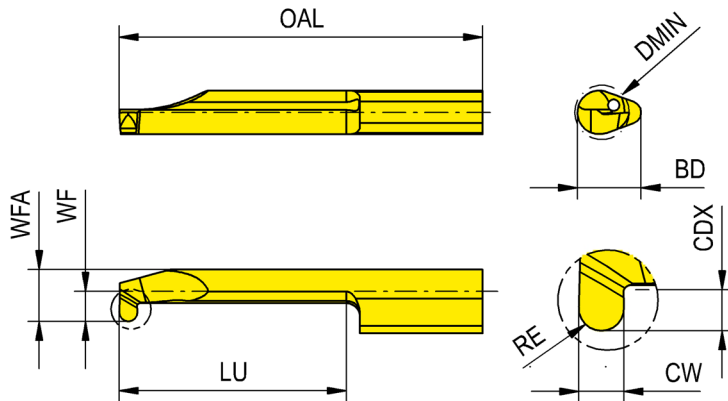
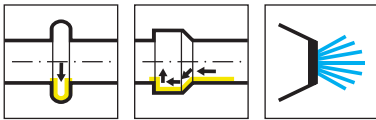
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	CW	RE	CDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	ES15	TH35	TN35
R105.0025.2.3	3	15	0,5	0,25	0,6	1,4	2,7	30	5,9	10512395N	▲	▲		
R105.0005.1.4	4	10	1	0,5	0,8	1,9	3,7	25	6,4	10512495N	▲		▲	
R105.0005.2.4	4	15	1	0,5	0,8	1,9	3,7	30	6,4	10512495N	▲			▲
R105.0025.3.5	5	20	0,5	0,25	0,6	2,3	4,7	35	7	10512595N	▲	Δ		
R105.0005.3.5	5	20	1	0,5	1	2,3	4,7	35	7	10512595N	▲			▲
R105.0007.1.5	5	10	1,5	0,75	1	2,3	4,7	25	7	10512595N	Δ		▲	
R105.0007.3.5	5	20	1,5	0,75	1	2,3	4,7	35	7	10512595N	▲			▲
R105.0010.1.5	5	10	2	1	1	2,3	4,7	25	7	10512595N	▲		▲	
R105.0010.3.5	5	20	2	1	1	2,3	4,7	35	7	10512595N	▲			▲
L105.0005.1.4	4	10	1	0,5	0,8	1,9	3,7	25	6,4	10512495N	Δ		▲	
L105.0005.2.4	4	15	1	0,5	0,8	1,9	3,7	30	6,4	10512495N	▲			▲
L105.0005.3.5	5	20	1	0,5	1	2,3	4,7	35	7	10512595N	▲			▲
L105.0007.1.5	5	10	1,5	0,75	1	2,3	4,7	25	7	10512595N	Δ		Δ	
L105.0007.3.5	5	20	1,5	0,75	1	2,3	4,7	35	7	10512595N	Δ			▲
L105.0010.1.5	5	10	2	1	1	2,3	4,7	25	7	10512595N	Δ		Δ	
L105.0010.3.5	5	20	2	1	1	2,3	4,7	35	7	10512595N	Δ			▲
P	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N	o	o	o	o	o	o	o	o	o	o	o	o	o	o
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-



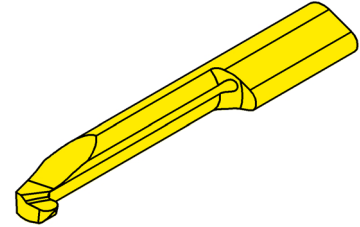
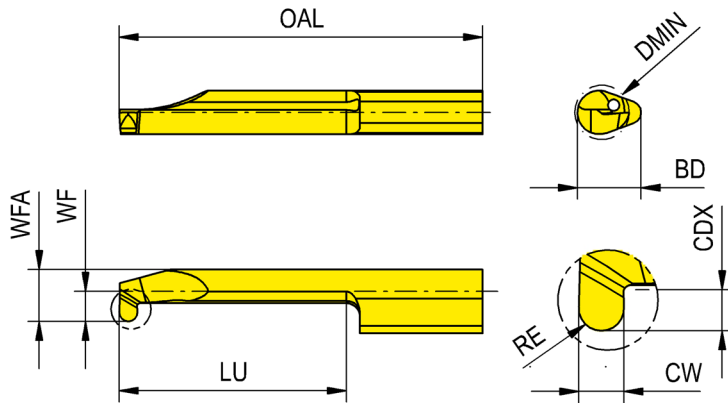
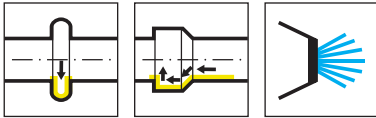
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	RE	CDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0005.2.6	6	15	1	0,5	1,8	3,3	5,7	30	7	10512595N	▲	▲	
R105.0005.4.6	6	25	1	0,5	1,8	3,3	5,7	40	7	10512595N	▲		▲
R105.0007.2.6	6	15	1,5	0,75	1,8	3,3	5,7	30	7	10512595N	▲	▲	
R105.0007.4.6	6	25	1,5	0,75	1,8	3,3	5,7	40	7	10512595N	▲		▲
R105.0010.2.6	6	15	2	1	1,8	3,3	5,7	30	7	10512595N	▲	▲	
R105.0010.4.6	6	25	2	1	1,8	3,3	5,7	40	7	10512595N	▲		▲
L105.0005.2.6	6	15	1	0,5	1,8	3,3	5,7	30	7	10512595N	Δ	▲	
L105.0005.4.6	6	25	1	0,5	1,8	3,3	5,7	40	7	10512595N	Δ		▲
L105.0007.2.6	6	15	1,5	0,75	1,8	3,3	5,7	30	7	10512595N	Δ	Δ	
L105.0007.4.6	6	25	1,5	0,75	1,8	3,3	5,7	40	7	10512595N	Δ		▲
L105.0010.2.6	6	15	2	1	1,8	3,3	5,7	30	7	10512595N	Δ	Δ	
L105.0010.4.6	6	25	2	1	1,8	3,3	5,7	40	7	10512595N			▲
P											●	●	●
M											●	●	-
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N											o	-	-
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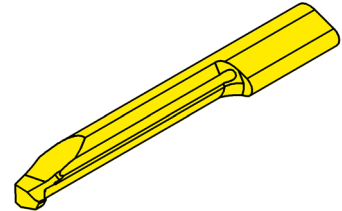
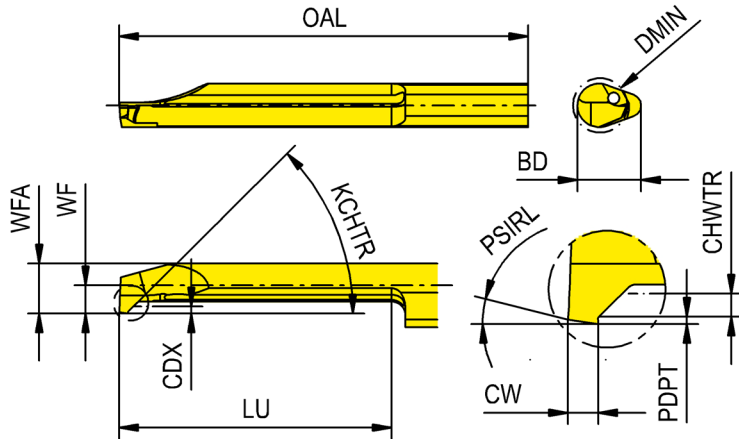
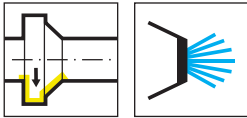


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	RE	CDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0005.3.7	6,8	20	1	0,5	2,5	4	6,4	35	7	10512595N	▲	▲	
R105.0005.5.7	6,8	30	1	0,5	2,5	4	6,4	45	7	10512595N	▲		▲
R105.0007.3.7	6,8	20	1,5	0,75	2,5	4	6,4	35	7	10512595N	Δ	▲	
R105.0007.5.7	6,8	30	1,5	0,75	2,5	4	6,4	45	7	10512595N	▲		▲
R105.0010.3.7	6,8	20	2	1	2,5	4	6,4	35	7	10512595N	▲	▲	
R105.0010.5.7	6,8	30	2	1	2,5	4	6,4	45	7	10512595N	▲		▲
L105.0005.3.7	6,8	20	1	0,5	2,5	4	6,4	35	7	10512595N	Δ	▲	
L105.0005.5.7	6,8	30	1	0,5	2,5	4	6,4	45	7	10512595N	Δ		▲
L105.0007.3.7	6,8	20	1,5	0,75	2,5	4	6,4	35	7	10512595N	Δ	▲	
L105.0007.5.7	6,8	30	1,5	0,75	2,5	4	6,4	45	7	10512595N	Δ		▲
L105.0010.3.7	6,8	20	2	1	2,5	4	6,4	35	7	10512595N	Δ	▲	
L105.0010.5.7	6,8	30	2	1	2,5	4	6,4	45	7	10512595N	Δ		▲
P											●	●	●
M											●	●	-
K											●	-	●
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S											-	-	-
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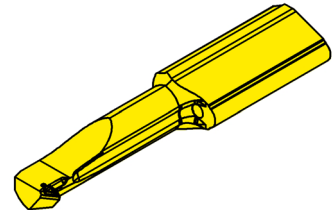
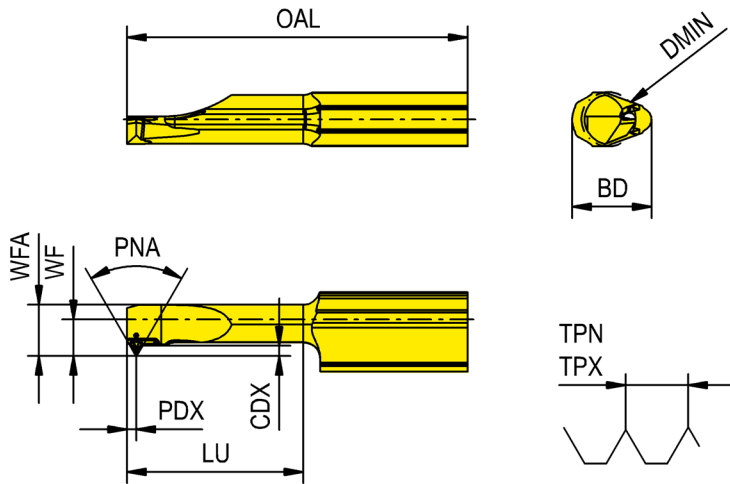
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	CDX	PSIRL	PDPT	KCHTR	CHWTR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	T125	TN35
R105.0810.1.3	3	10	0,7	0,5	8°	0,2	45°	0,3	1,4	2,7	25	5,9	10512395N	▲		▲
R105.0810.2.3	3	15	0,7	0,5	8°	0,2	45°	0,3	1,4	2,7	30	5,9	10512395N	Δ		▲
R105.0810.1.4	4	10	1	0,7	8°	0,2	45°	0,5	1,9	3,7	25	6,4	10512495N	▲		▲
R105.0810.2.4	4	15	1	0,7	8°	0,2	45°	0,5	1,9	3,7	30	6,4	10512495N	▲		▲
R105.0810.3.4	4	20	1	0,7	8°	0,2	45°	0,5	1,9	3,7	35	6,4	10512495N	Δ		▲
R105.0810.3.5	5	20	1	0,7	8°	0,2	45°	0,5	2,3	4,7	35	7	10512595N	▲	▲	▲
R105.0810.4.5	5	25	1	0,7	8°	0,2	45°	0,5	2,3	4,7	40	7	10512595N	▲	▲	▲
R105.0810.5.5	5	30	1	0,7	8°	0,2	45°	0,5	2,3	4,7	45	7	10512595N	▲	▲	▲
R105.0810.5.6	6	30	1	1	8°	0,2	45°	0,8	3,1	5,5	45	7	10512595N	▲		▲
R105.0810.7.6	6	40	1	1	8°	0,2	45°	0,8	3,1	5,5	55	7	10512595N	Δ		▲
L105.0810.1.3	3	10	0,7	0,5	8°	0,2	45°	0,3	1,4	2,7	25	5,9	10512395N	Δ		▲
L105.0810.2.3	3	15	0,7	0,5	8°	0,2	45°	0,3	1,4	2,7	30	5,9	10512395N	Δ		▲
L105.0810.1.4	4	10	1	0,7	8°	0,2	45°	0,5	1,9	3,7	25	6,4	10512495N	Δ		Δ
L105.0810.2.4	4	15	1	0,7	8°	0,2	45°	0,5	1,9	3,7	30	6,4	10512495N	Δ		▲
L105.0810.3.4	4	20	1	0,7	8°	0,2	45°	0,5	1,9	3,7	35	6,4	10512495N	Δ		▲
L105.0810.3.5	5	20	1	0,7	8°	0,2	45°	0,5	2,3	4,7	35	7	10512595N	Δ	▲	▲
L105.0810.4.5	5	25	1	0,7	8°	0,2	45°	0,5	2,3	4,7	40	7	10512595N	Δ	▲	▲
L105.0810.5.5	5	30	1	0,7	8°	0,2	45°	0,5	2,3	4,7	45	7	10512595N	Δ	▲	Δ
L105.0810.5.6	6	30	1	1	8°	0,2	45°	0,8	3,1	5,5	45	7	10512595N	Δ		▲
L105.0810.7.6	6	40	1	1	8°	0,2	45°	0,8	3,1	5,5	55	7	10512595N	Δ		Δ
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M	●	●														
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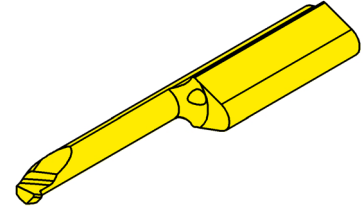
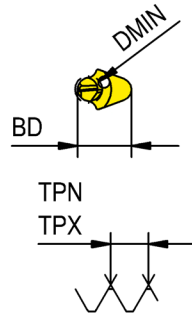
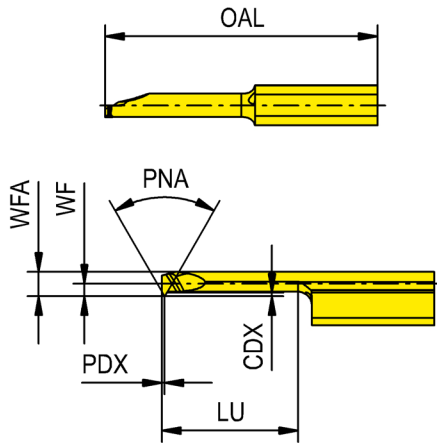
R = rechts wie gezeichnet
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L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	TPN	TPX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
RS105.1010.2.5.GM1	4,8	15	1	1	60°	0,7	0,8	3,3	4,5	30	7	10512595N	▲
RS105.1010.3.5.GM1	4,8	20	1	1	60°	0,7	0,8	3,3	4,5	35	7	10512595N	▲
RS105.0507.2.5.GM1	5	15	0,5	0,75	60°	0,7	0,8	3,3	4,7	30	7	10512595N	▲
RS105.0507.3.5.GM1	5	20	0,5	0,75	60°	0,7	0,8	3,3	4,7	35	7	10512595N	▲
RS105.1012.2.6.GM1	6	15	1	1,25	60°	0,85	0,8	3,3	5,6	30	7	10512595N	▲
RS105.1012.3.6.GM1	6	20	1	1,25	60°	0,85	0,8	3,3	5,6	35	7	10512595N	▲
RS105.1012.4.6.GM1	6	25	1	1,25	60°	0,85	0,8	3,3	5,6	40	7	10512595N	▲
RS105.1515.2.6.GM1	6,8	15	1,5	1,5	60°	0,95	0,8	3,3	5,6	30	7	10512595N	▲
RS105.1515.3.6.GM1	6,8	20	1,5	1,5	60°	0,95	0,8	3,3	5,6	35	7	10512595N	▲
RS105.1515.4.6.GM1	6,8	25	1,5	1,5	60°	0,95	0,8	3,3	5,6	40	7	10512595N	▲
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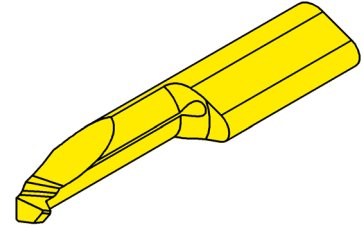
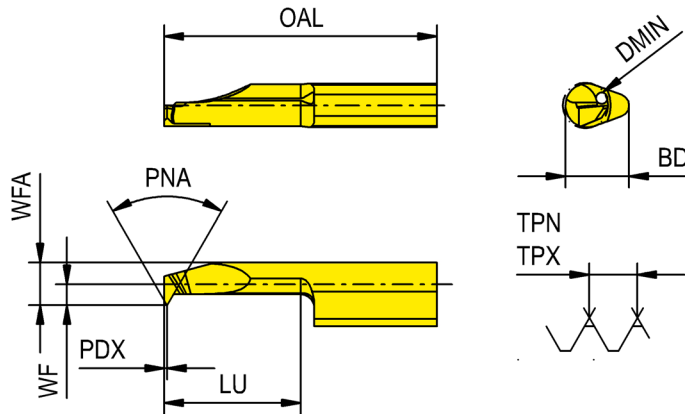
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R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	TPN	TPX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	TN35
R105.0102.2.3	3	15	0,25	0,25	60°	0,3	0,3	1,4	2,7	30	5,9	10512395N	▲
L105.0102.2.3	3	15	0,25	0,25	60°	0,3	0,3	1,4	2,7	30	5,9	10512395N	▲
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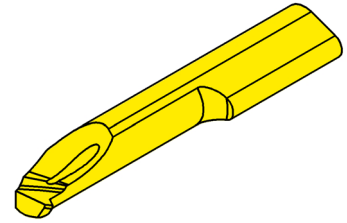
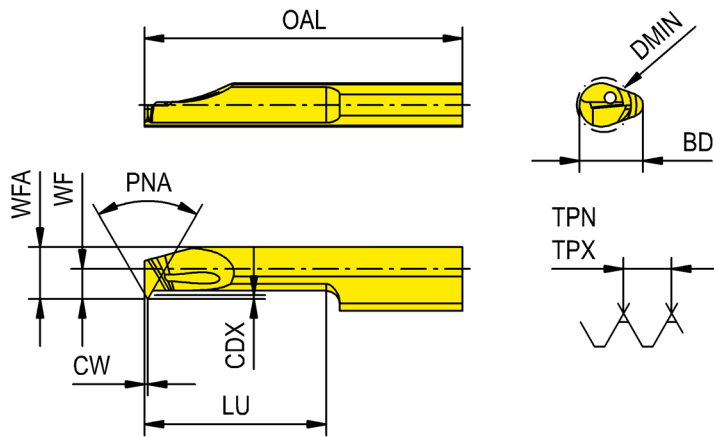


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R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	TPN	TPX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TN35
R105.0203.1.3	3	10	0,35	0,35	60°	0,3	0,3	1,4	2,7	25	5,9	10512395N	▲	▲
R105.0203.2.5	5	15	0,35	0,35	60°	0,3	0,3	2,3	4,7	30	7	10512595N	▲	▲
L105.0203.1.3	3	10	0,35	0,35	60°	0,3	0,3	1,4	2,7	25	5,9	10512395N	Δ	Δ
L105.0203.2.5	5	15	0,35	0,35	60°	0,3	0,3	2,3	4,7	30	7	10512595N	Δ	▲
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													K	●
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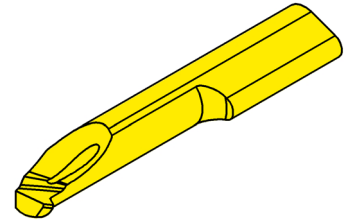
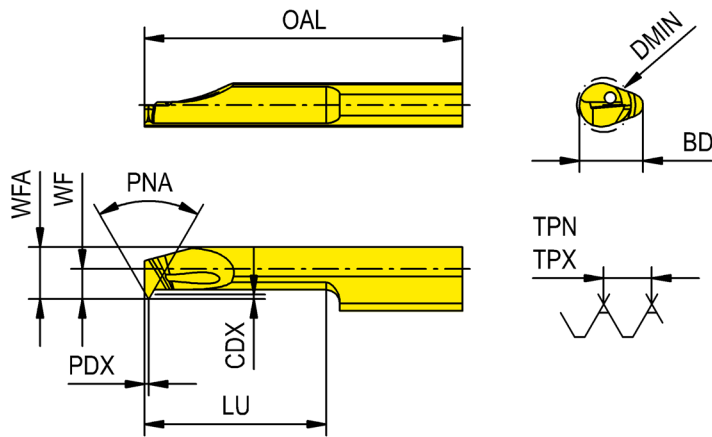
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	TPN	TPX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0205.2.3	3	15	0,5	0,5	60°	0,4	0,35	1,4	2,7	30	5,9	10512395N	▲		▲
R105.0205.2.4	4	15	0,5	0,5	60°	0,4	0,35	1,9	3,7	30	6,4	10512495N	▲	▲	▲
R105.0205.3.4	4	20	0,5	0,5	60°	0,4	0,35	1,9	3,7	35	6,4	10512495N	▲		▲
R105.0205.2.5	5	15	0,5	0,5	60°	0,5	0,35	2,3	4,7	30	7	10512595N	▲	▲	▲
R105.0205.3.5	5	20	0,5	0,5	60°	0,5	0,35	2,3	4,7	35	7	10512595N	Δ		▲
R105.0205.4.5	5	25	0,5	0,5	60°	0,5	0,35	2,3	4,7	40	7	10512595N			▲
R105.0205.3.6	6	20	0,5	0,5	60°	0,4	0,35	3,3	5,7	35	7	10512595N	▲		▲
L105.0205.2.3	3	15	0,5	0,5	60°	0,4	0,35	1,4	2,7	30	5,9	10512395N	Δ		▲
L105.0205.2.4	4	15	0,5	0,5	60°	0,4	0,35	1,9	3,7	30	6,4	10512495N	Δ	Δ	▲
L105.0205.2.5	5	15	0,5	0,5	60°	0,5	0,35	2,3	4,7	30	7	10512595N	Δ	Δ	▲
L105.0205.3.5	5	20	0,5	0,5	60°	0,5	0,35	2,3	4,7	35	7	10512595N	Δ		Δ
P	●	●	●										●	●	●
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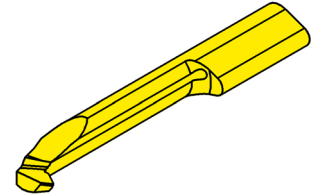
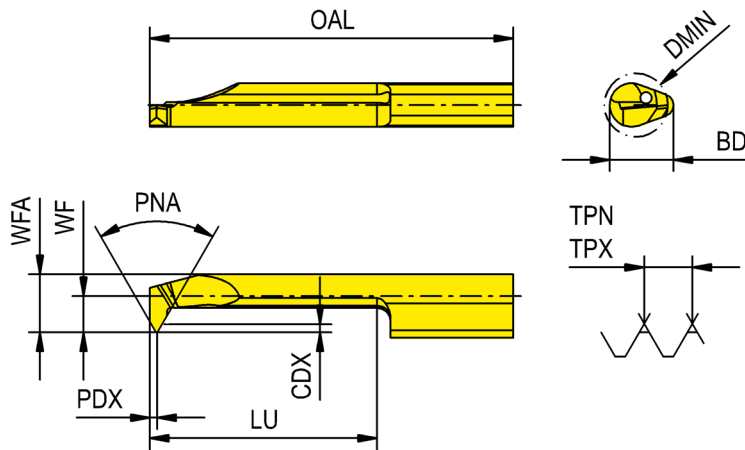
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	TPN	TPX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0407.2.3	3	15	0,5	0,75	60°	0,5	0,45	1,4	2,7	30	5,9	10512395N	▲		▲
R105.0407.1.4	4	10	0,5	0,75	60°	0,5	0,45	1,9	3,7	25	6,4	10512495N	▲		▲
R105.0407.2.4	4	15	0,5	0,75	60°	0,5	0,45	1,9	3,7	30	6,4	10512495N	▲		▲
R105.0407.3.4	4	20	0,5	0,75	60°	0,5	0,45	1,9	3,7	35	6,4	10512495N	▲		▲
R105.0407.2.5	5	15	0,5	0,75	60°	0,5	0,45	2,3	4,7	30	7	10512595N	▲	▲	▲
R105.0407.3.5	5	20	0,5	0,75	60°	0,5	0,45	2,3	4,7	35	7	10512595N	Δ		▲
R105.0407.4.5	5	25	0,5	0,75	60°	0,5	0,45	2,3	4,7	40	7	10512595N	▲		▲
R105.0407.3.6	6	20	0,5	0,75	60°	0,5	0,45	3,3	5,7	35	7	10512595N	▲		▲
L105.0407.1.4	4	10	0,5	0,75	60°	0,5	0,45	1,9	3,7	25	6,4	10512495N	Δ		▲
L105.0407.2.4	4	15	0,5	0,75	60°	0,5	0,45	1,9	3,7	30	6,4	10512495N	Δ		▲
L105.0407.3.4	4	20	0,5	0,75	60°	0,5	0,45	1,9	3,7	35	6,4	10512495N	Δ		Δ
L105.0407.2.5	5	15	0,5	0,75	60°	0,5	0,45	2,3	4,7	30	7	10512595N	▲	▲	▲
L105.0407.3.5	5	20	0,5	0,75	60°	0,5	0,45	2,3	4,7	35	7	10512595N	Δ		Δ
L105.0407.4.5	5	25	0,5	0,75	60°	0,5	0,45	2,3	4,7	40	7	10512595N	Δ		Δ
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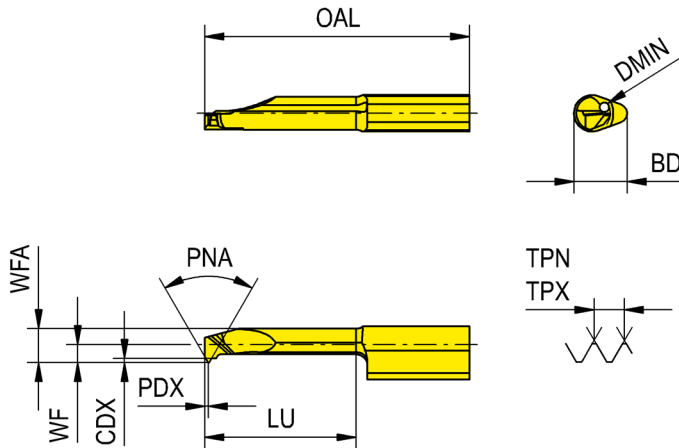
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	TPN	TPX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0510.2.5	4,8	15	1	1	60°	0,55	0,55	2,1	4,5	30	7	10512595N	▲	▲	▲
R105.0510.3.5	4,8	20	1	1	60°	0,55	0,55	2,1	4,5	35	7	10512595N	▲	▲	▲
R105.0510.4.5	4,8	25	1	1	60°	0,55	0,55	2,1	4,5	40	7	10512595N	▲	▲	▲
R105.0510.2.6	6	15	1	1	60°	0,55	0,55	3,3	5,7	30	7	10512595N	▲	▲	▲
R105.0612.2.6	6	15	1,25	1,25	60°	0,7	0,65	3,3	5,7	30	7	10512595N	▲	▲	▲
R105.0612.3.6	6	20	1,25	1,25	60°	0,7	0,65	3,3	5,7	35	7	10512595N	▲	▲	▲
R105.0612.4.6	6	25	1,25	1,25	60°	0,7	0,65	3,3	5,7	40	7	10512595N	▲	▲	▲
R105.0815.2.7	7	15	1,5	1,5	60°	0,9	0,75	4	6,4	30	7	10512595N	▲	▲	▲
R105.0815.3.7	7	20	1,5	1,5	60°	0,9	0,75	4	6,4	35	7	10512595N	▲	▲	▲
R105.0815.4.7	7	25	1,5	1,5	60°	0,9	0,75	4	6,4	40	7	10512595N	▲	▲	▲
L105.0510.2.5	4,8	15	1	1	60°	0,55	0,55	2,1	4,5	30	7	10512595N	▲	▲	▲
L105.0510.3.5	4,8	20	1	1	60°	0,55	0,55	2,1	4,5	35	7	10512595N	Δ	▲	▲
L105.0510.4.5	4,8	25	1	1	60°	0,55	0,55	2,1	4,5	40	7	10512595N	Δ	▲	▲
L105.0510.2.6	6	15	1	1	60°	0,55	0,55	3,3	5,7	30	7	10512595N	▲	▲	▲
L105.0612.2.6	6	15	1,25	1,25	60°	0,7	0,65	3,3	5,7	30	7	10512595N	▲	▲	▲
L105.0612.3.6	6	20	1,25	1,25	60°	0,7	0,65	3,3	5,7	35	7	10512595N	Δ	▲	▲
L105.0612.4.6	6	25	1,25	1,25	60°	0,7	0,65	3,3	5,7	40	7	10512595N	Δ	▲	▲
L105.0815.2.7	7	15	1,5	1,5	60°	0,9	0,75	4	6,4	30	7	10512595N	▲	▲	▲
L105.0815.3.7	7	20	1,5	1,5	60°	0,9	0,75	4	6,4	35	7	10512595N	Δ	▲	▲
L105.0815.4.7	7	25	1,5	1,5	60°	0,9	0,75	4	6,4	40	7	10512595N	Δ	▲	▲
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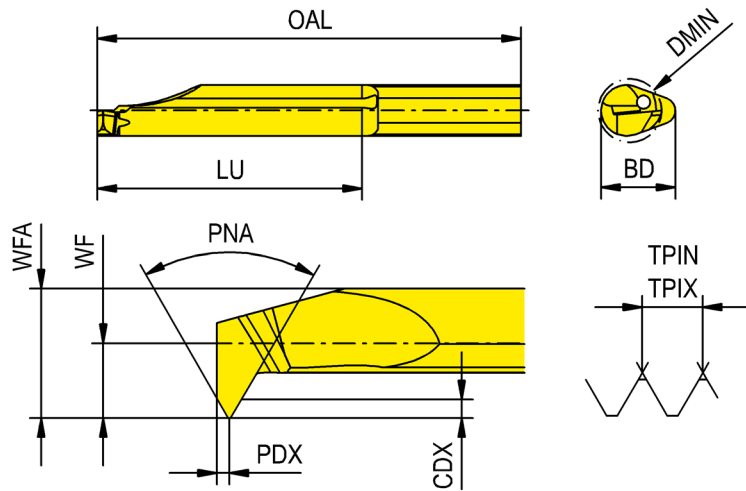


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	TPN	TPX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35
R105.VPM3.2.3	2,4	9	0,5	0,5	60°	0,4	0,3	1,4	2,2	25	5,9	10512395N	▲	▲
R105.VPM3.4.3	2,4	16	0,5	0,5	60°	0,4	0,3	1,4	2,2	35	5,9	10512395N	▲	▲
R105.VPM4.2.4	3,2	15	0,7	0,7	60°	0,55	0,4	1,5	2,9	30	6,4	10512495N	▲	▲
R105.VPM4.3.4	3,2	20	0,7	0,7	60°	0,55	0,4	1,5	2,9	35	6,4	10512495N	▲	▲
R105.VPM5.2.5	4,1	15	0,8	0,8	60°	0,6	0,5	2	3,7	30	7	10512595N	▲	▲
R105.VPM5.4.5	4,1	25	0,8	0,8	60°	0,6	0,5	2	3,7	40	7	10512595N	▲	▲
R105.VPM6.3.6	4,9	20	1	1	60°	0,7	0,5	2,4	4,5	35	7	10512595N	▲	▲
R105.VPM6.4.6	4,9	25	1	1	60°	0,7	0,5	2,4	4,5	40	7	10512595N	▲	▲
R105.VPM6.5.6	4,9	30	1	1	60°	0,7	0,5	2,4	4,5	45	7	10512595N	▲	▲
R105.VPM8.3.8	6,6	20	1,25	1,25	60°	1	0,7	3,8	6,2	35	7	10512595N	▲	▲
R105.VPM8.5.8	6,6	30	1,25	1,25	60°	1	0,7	3,8	6,2	45	7	10512595N	▲	▲
L105.VPM3.2.3	2,4	9	0,5	0,5	60°	0,4	0,3	1,4	2,2	25	5,9	10512395N	Δ	▲
L105.VPM3.4.3	2,4	16	0,5	0,5	60°	0,4	0,3	1,4	2,2	35	5,9	10512395N	Δ	Δ
L105.VPM4.2.4	3,2	15	0,7	0,7	60°	0,55	0,4	1,5	2,9	30	6,4	10512495N	Δ	Δ
L105.VPM4.3.4	3,2	20	0,7	0,7	60°	0,55	0,4	1,5	2,9	35	6,4	10512495N	Δ	Δ
L105.VPM5.2.5	4,1	15	0,8	0,8	60°	0,6	0,5	2	3,7	30	7	10512595N	Δ	▲
L105.VPM5.4.5	4,1	25	0,8	0,8	60°	0,6	0,5	2	3,7	40	7	10512595N	Δ	▲
L105.VPM6.3.6	4,9	20	1	1	60°	0,7	0,5	2,4	4,5	35	7	10512595N	▲	▲
L105.VPM6.4.6	4,9	25	1	1	60°	0,7	0,5	2,4	4,5	40	7	10512595N	Δ	Δ
L105.VPM6.5.6	4,9	30	1	1	60°	0,7	0,5	2,4	4,5	45	7	10512595N	Δ	▲
L105.VPM8.3.8	6,6	20	1,25	1,25	60°	1	0,7	3,8	6,2	35	7	10512595N	Δ	▲
L105.VPM8.5.8	6,6	30	1,25	1,25	60°	1	0,7	3,8	6,2	45	7	10512595N	Δ	▲
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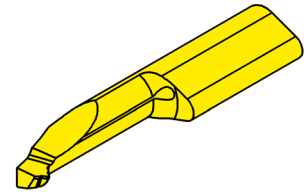
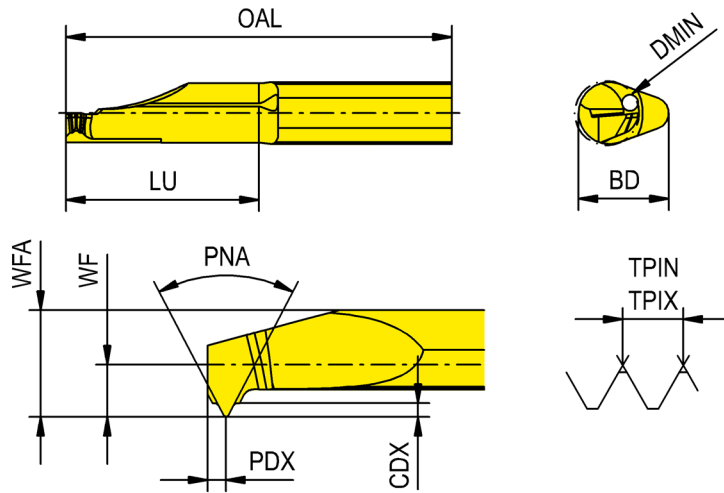
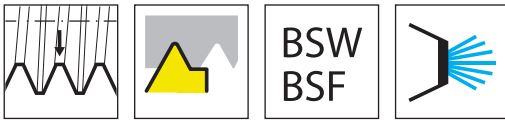
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	TPIN	TPIX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.3240.2.4	4	15	32	40	60°	0,4	0,45	1,9	3,7	30	6,4	10512495N	▲		▲
R105.1620.2.5	5	15	16	20	60°	0,9	0,7	2,3	4,7	30	7	10512595N	▲	▲	
R105.1620.3.5	5	20	16	20	60°	0,9	0,7	2,3	4,7	35	7	10512595N	Δ	▲	
R105.2428.2.5	5	15	24	28	60°	0,6	0,55	2,3	4,7	30	7	10512595N	▲		▲
R105.3240.2.5	5	15	32	40	60°	0,4	0,45	2,3	4,7	30	7	10512595N	▲		▲
R105.1620.2.6	6	15	16	20	60°	0,9	0,7	3,3	5,7	30	7	10512595N	▲		▲
R105.1620.3.6	6	20	16	20	60°	0,9	0,7	3,3	5,7	35	7	10512595N	▲		▲
R105.1620.4.6	6	25	16	20	60°	0,9	0,7	3,3	5,7	40	7	10512595N	▲		▲
R105.2428.2.6	6	15	24	28	60°	0,6	0,55	3,3	5,7	30	7	10512595N	▲		▲
R105.2428.3.6	6	20	24	28	60°	0,6	0,55	3,3	5,7	35	7	10512595N	▲		▲
R105.2428.4.6	6	25	24	28	60°	0,6	0,55	3,3	5,7	40	7	10512595N	▲		▲
L105.3240.2.4	4	15	32	40	60°	0,4	0,45	1,9	3,7	30	6,4	10512495N	Δ		▲
L105.1620.2.5	5	15	16	20	60°	0,9	0,7	2,3	4,7	30	7	10512595N	Δ	▲	
L105.1620.3.5	5	20	16	20	60°	0,9	0,7	2,3	4,7	35	7	10512595N	Δ	Δ	
L105.2428.2.5	5	15	24	28	60°	0,6	0,55	2,3	4,7	30	7	10512595N	Δ		▲
L105.3240.2.5	5	15	32	40	60°	0,4	0,45	2,3	4,7	30	7	10512595N	Δ		▲
L105.1620.2.6	6	15	16	20	60°	0,9	0,7	3,3	5,7	30	7	10512595N	Δ		▲
L105.2428.2.6	6	15	24	28	60°	0,6	0,55	3,3	5,7	30	7	10512595N	▲		▲
L105.2428.4.6	6	25	24	28	60°	0,6	0,55	3,3	5,7	40	7	10512595N	Δ		▲
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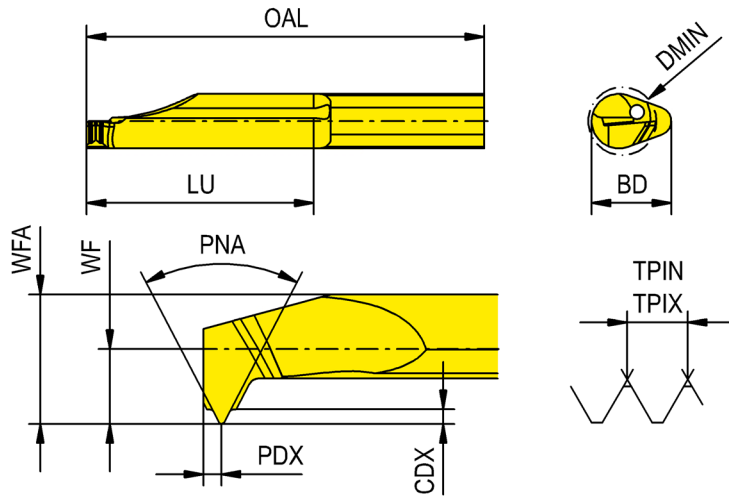
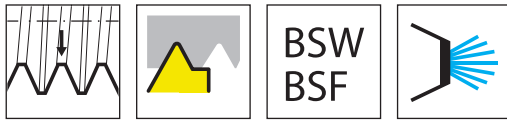


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	TPIN	TPIX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TN35
R105.5520.2.4	4	15	20	20	55°	1	1	1,9	3,7	30	6,4	10512495N	▲	▲
R105.5524.2.5	5	15	24	24	55°	1	0,8	2,3	4,7	30	7	10512595N	Δ	Δ
R105.5526.2.5	5	15	26	26	55°	0,9	0,8	2,3	4,7	30	7	10512595N	▲	▲
R105.5528.2.5	5	15	28	28	55°	0,9	0,8	2,3	4,7	30	7	10512595N	▲	▲
L105.5524.2.5	5	15	24	24	55°	1	0,8	2,3	4,7	30	7	10512595N	Δ	Δ
L105.5526.2.5	5	15	26	26	55°	0,9	0,8	2,3	4,7	30	7	10512595N	Δ	Δ
L105.5528.2.5	5	15	28	28	55°	0,9	0,8	2,3	4,7	30	7	10512595N	Δ	Δ
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R = rechts wie gezeichnet
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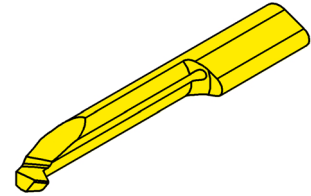
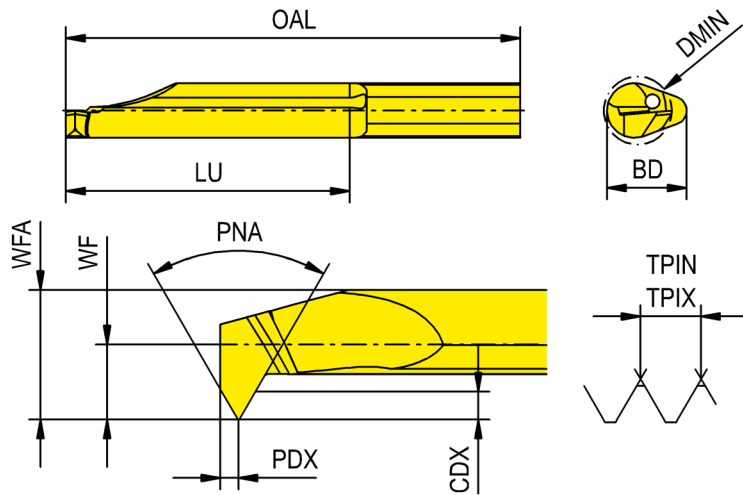
L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	TPIN	TPIX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TN35
R105.5524.2.6	6	15	24	24	55°	1	0,8	3,3	5,7	30	7	10512595N	Δ	Δ
R105.5526.2.6	6	15	26	26	55°	1	0,8	3,3	5,7	30	7	10512595N	Δ	▲
R105.5528.2.6	6	15	28	28	55°	0,9	0,8	3,3	5,7	30	7	10512595N	▲	▲
R105.5519.2.6	6	15	19	19	55°	1,2	1	3,3	5,7	30	7	10512595N	▲	▲
R105.5520.2.6	6	15	20	20	55°	1,1	1	3,3	5,7	30	7	10512595N	Δ	▲
R105.5522.2.6	6	15	22	22	55°	1,1	1	3,3	5,7	30	7	10512595N	Δ	Δ
R105.5524.3.6	6	20	24	24	55°	1	0,8	3,3	5,7	35	7	10512595N	▲	Δ
R105.5526.3.6	6	20	26	26	55°	1	0,8	3,3	5,7	35	7	10512595N	Δ	Δ
R105.5528.3.6	6	20	28	28	55°	0,9	0,8	3,3	5,7	35	7	10512595N	▲	▲
R105.5519.3.6	6	20	19	19	55°	1,2	1	3,3	5,7	35	7	10512595N	▲	▲
R105.5522.3.6	6	20	22	22	55°	1,1	1	3,3	5,7	35	7	10512595N	Δ	Δ
L105.5524.2.6	6	15	24	24	55°	1	0,8	3,3	5,7	30	7	10512595N	Δ	
L105.5526.2.6	6	15	26	26	55°	1	0,8	3,3	5,7	30	7	10512595N	Δ	
L105.5528.2.6	6	15	28	28	55°	0,9	0,8	3,3	5,7	30	7	10512595N	Δ	Δ
L105.5519.2.6	6	15	19	19	55°	1,2	1	3,3	5,7	30	7	10512595N	Δ	▲
L105.5520.2.6	6	15	20	20	55°	1,1	1	3,3	5,7	30	7	10512595N	Δ	Δ
L105.5522.2.6	6	15	22	22	55°	1,1	1	3,3	5,7	30	7	10512595N	Δ	
L105.5528.3.6	6	20	28	28	55°	0,9	0,8	3,3	5,7	35	7	10512595N	Δ	Δ
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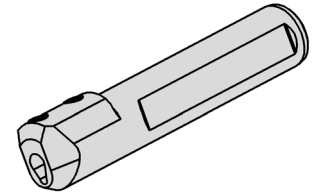
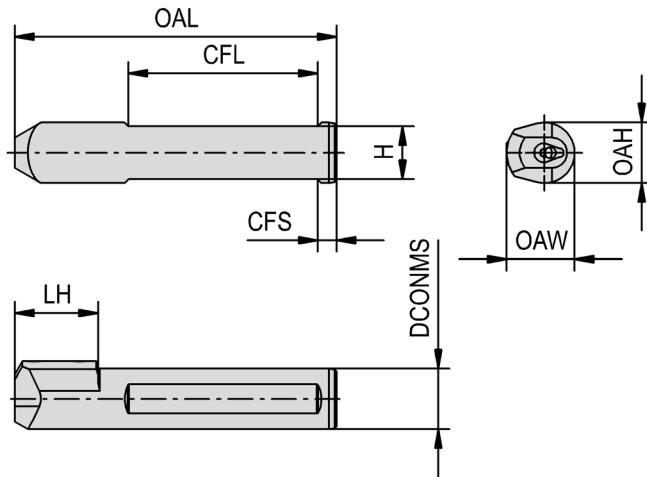
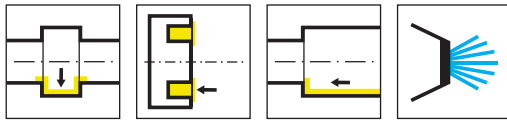


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	TPIN	TPIX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.NP18.2.6	6	15	18	18	60°	1,2	1	3,3	5,7	30	7	10512595N	▲	▲	▲
R105.NP18.3.6	6	20	18	18	60°	1,2	1	3,3	5,7	35	7	10512595N	Δ	▲	▲
R105.NP18.4.6	6	25	18	18	60°	1,2	1	3,3	5,7	40	7	10512595N	Δ	Δ	▲
R105.NP27.2.6	6	15	27	27	60°	0,8	0,8	3,3	5,7	30	7	10512595N	▲	▲	▲
R105.NP27.3.6	6	20	27	27	60°	0,8	0,8	3,3	5,7	35	7	10512595N	Δ	Δ	Δ
R105.NP27.4.6	6	25	27	27	60°	0,8	0,8	3,3	5,7	40	7	10512595N	Δ	Δ	Δ
L105.NP18.2.6	6	15	18	18	60°	1,2	1	3,3	5,7	30	7	10512595N	Δ	▲	▲
L105.NP18.3.6	6	20	18	18	60°	1,2	1	3,3	5,7	35	7	10512595N	Δ	Δ	Δ
L105.NP18.4.6	6	25	18	18	60°	1,2	1	3,3	5,7	40	7	10512595N	Δ	Δ	Δ
L105.NP27.2.6	6	15	27	27	60°	0,8	0,8	3,3	5,7	30	7	10512595N	Δ	▲	▲
L105.NP27.3.6	6	20	27	27	60°	0,8	0,8	3,3	5,7	35	7	10512595N	Δ	Δ	Δ
L105.NP27.4.6	6	25	27	27	60°	0,8	0,8	3,3	5,7	40	7	10512595N	Δ	Δ	Δ
P	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N	o	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Artikelnummer Part number	DCONMS	H	OAL	LH	OAW	OAH	CFL	CFS	Trennstelle W Interface W
B105.0012.02	12	11	85	22	17	12	50	5	10522595N
B105.0016.02	16	14	85	22	18	16	50	5	10522595N
B105.0020.02	20	18	100	-	20	20	55	5	10522595N
B105.0022.02	22	20	100	-	22	22	55	5	10522595N

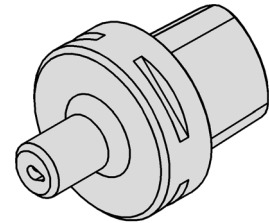
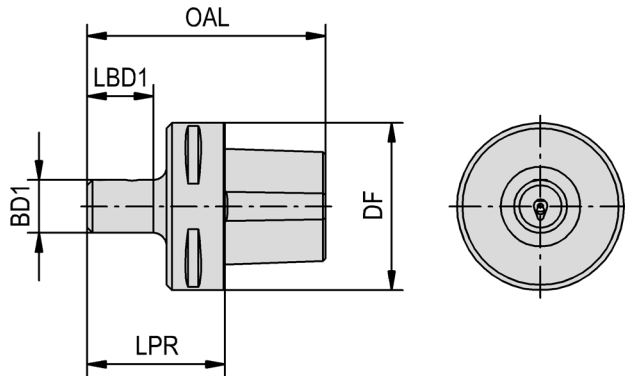
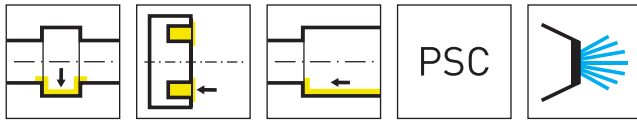
nur für Schneidplatten mit verlängertem Spannschaft
only usable for inserts with extended clamping length

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B105...	6.075T15P	T15PQ

A1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

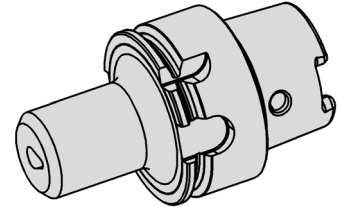
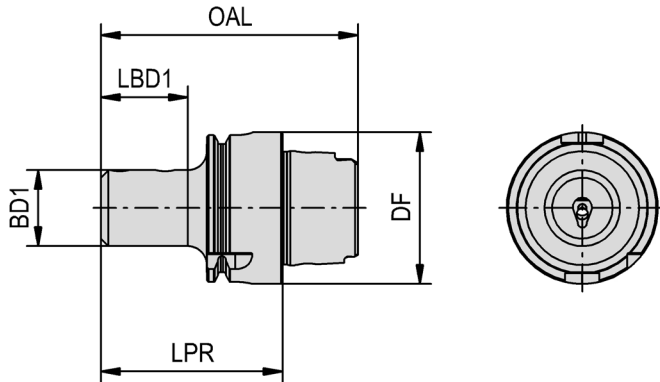
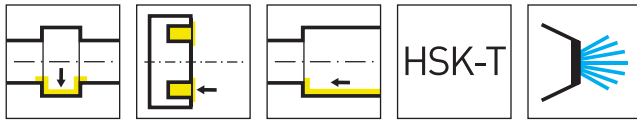
Artikelnummer Part number	OAL	DF	BD1	LBD1	LPR	Trennstelle W Interface W
RB105.00C4.20.1.02	74	40	20	25	50	10522595N
RB105.00C6.20.1.02	90	63	20	25	52	10522595N
LB105.00C4.20.1.02	74	40	20	25	50	10522595N
LB105.00C6.20.1.02	90	63	20	25	52	10522595N

nur für Schneidplatten mit verlängertem Spannschaft
only usable for inserts with extended clamping length

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB105...	6.075T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

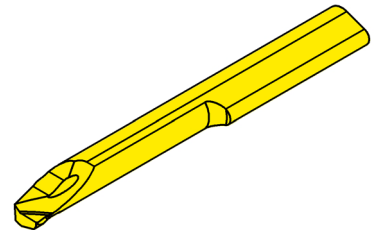
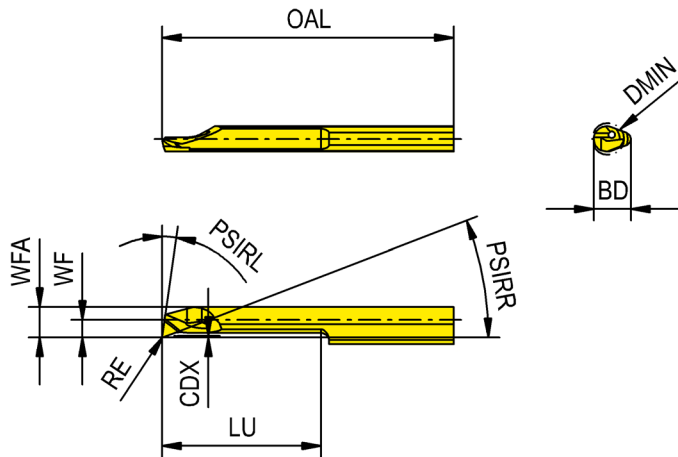
Artikelnummer Part number	OAL	DF	BD1	LBD1	LPR	Trennstelle W Interface W
HSKT40.RB105.20.1.02	67,9	40	20	23	48	10522595N
HSKT40.LB105.20.1.02	67,9	40	20	23	48	10522595N

nur für Schneidplatten mit verlängertem Spannschaft
only usable for inserts with extended clamping length

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
HSKT40...	6.075T15P	T15PQ

A1



R = rechts wie gezeichnet
R = right hand version shown

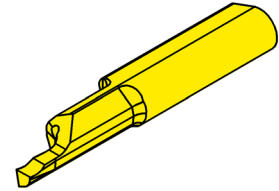
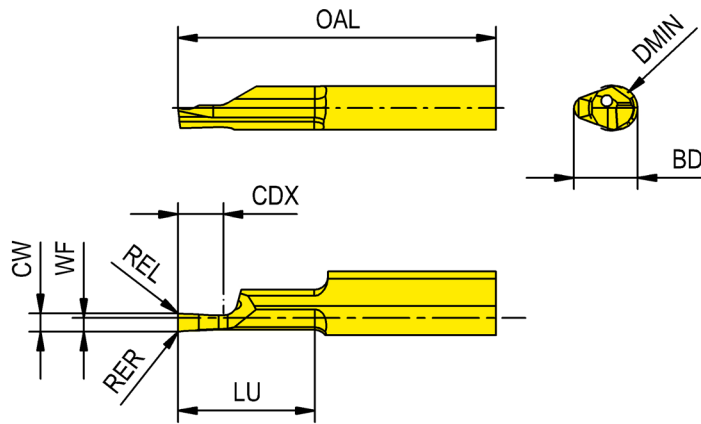
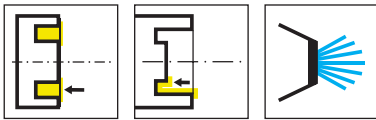
L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	T125
R105.1823.4.5.2	5	25	0,1	0,3	8°	21°	2,3	4,7	50	7	10522595N	Δ	▲	▲
R105.1823.5.5.2	5	30	0,1	0,3	8°	21°	2,3	4,7	55	7	10522595N	Δ	▲	▲
R105.1823.7.5.2	5	40	0,1	0,3	8°	21°	2,3	4,7	65	7	10512595N			▲
R105.1833.4.6.2	6	25	0,1	0,3	8°	21°	3,3	5,7	50	7	10522595N	Δ	▲	▲
R105.1833.5.6.2	6	30	0,1	0,3	8°	21°	3,3	5,7	55	7	10522595N	Δ	▲	▲
R105.1833.7.6.2	6	40	0,1	0,3	8°	21°	3,3	5,7	65	7	10522595N			▲
R105.1840.4.7.2	6,8	25	0,1	0,3	8°	21°	4	6,4	50	7	10522595N	Δ	▲	▲
R105.1840.5.7.2	6,8	30	0,1	0,3	8°	21°	4	6,4	55	7	10522595N	Δ	▲	▲
R105.1840.7.7.2	6,8	40	0,1	0,3	8°	21°	4	6,4	65	7	10522595N	▲		▲
R105.4733.5.6.2	6	30	0,1	1,8	8°	47°	3,3	5,7	55	7	10522595N	Δ	▲	▲
L105.1823.4.5.2	5	25	0,1	0,3	8°	21°	2,3	4,7	50	7	10522595N	Δ	▲	▲
L105.1823.5.5.2	5	30	0,1	0,3	8°	21°	2,3	4,7	55	7	10522595N		▲	Δ
L105.1833.4.6.2	6	25	0,1	0,3	8°	21°	3,3	5,7	50	7	10522595N	Δ	Δ	Δ
L105.1833.5.6.2	6	30	0,1	0,3	8°	21°	3,3	5,7	55	7	10522595N	Δ	▲	Δ
L105.1840.4.7.2	6,8	25	0,1	0,3	8°	21°	4	6,4	50	7	10522595N	Δ	▲	▲
L105.1840.5.7.2	6,8	30	0,1	0,3	8°	21°	4	6,4	55	7	10522595N	Δ	Δ	▲
L105.1840.7.7.2	6,8	40	0,1	0,3	8°	21°	4	6,4	65	7	10522595N	Δ		
L105.4733.5.6.2	6	30	0,1	1,8	8°	47°	3,3	5,7	55	7	10522595N	Δ	Δ	Δ

mit verlängertem Spannschaft
with extended clamping length

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



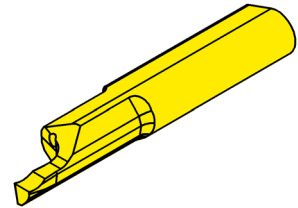
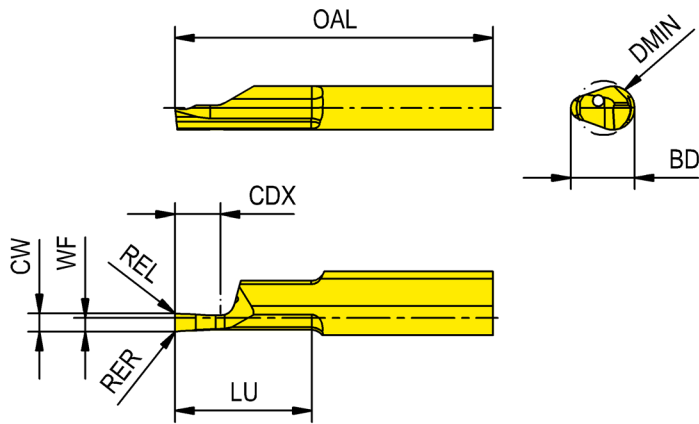
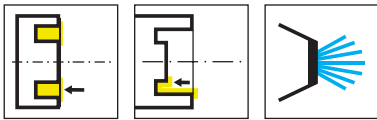
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	LU	CDX	REL	RER	WF	OAL	BD	Trennstelle M Interface M	EG35	ES15	T125
R105.0505.1.8	5	0,5	10	2	-	-	2	25	7	10512595N	▲	▲	
R105.0510.1.8	5	1	10	2	0,05	0,05	2	25	7	10512595N	▲		▲
R105.0510.2.8	5	1	15	2	0,05	0,05	2	35	7	10512595N	▲		▲
R105.0515.1.8	5	1,5	10	2	0,05	0,05	2	25	7	10512595N	▲		▲
R105.0515.2.8	5	1,5	15	2	0,05	0,05	2	35	7	10512595N	▲		▲
R105.0520.1.8	5	2	10	2	0,05	0,05	2	25	7	10512595N	▲		▲
R105.0520.2.8	5	2	15	2	0,05	0,05	2	35	7	10512595N	▲		▲
L105.0510.1.8	5	1	10	2	0,05	0,05	2	25	7	10512595N	▲		▲
L105.0510.2.8	5	1	15	2	0,05	0,05	2	35	7	10512595N	Δ		▲
L105.0515.1.8	5	1,5	10	2	0,05	0,05	2	25	7	10512595N	▲		▲
L105.0515.2.8	5	1,5	15	2	0,05	0,05	2	35	7	10512595N	▲		▲
L105.0520.1.8	5	2	10	2	0,05	0,05	2	25	7	10512595N	▲		▲
L105.0520.2.8	5	2	15	2	0,05	0,05	2	35	7	10512595N	▲		▲
P	●	●	●										
M	●	●	●										
K	●	-	-										
N	o	o	o										
S	-	o	-										
H	-	-	-										

A1

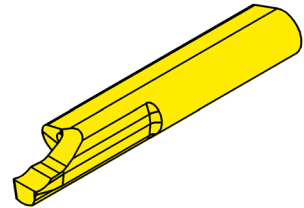
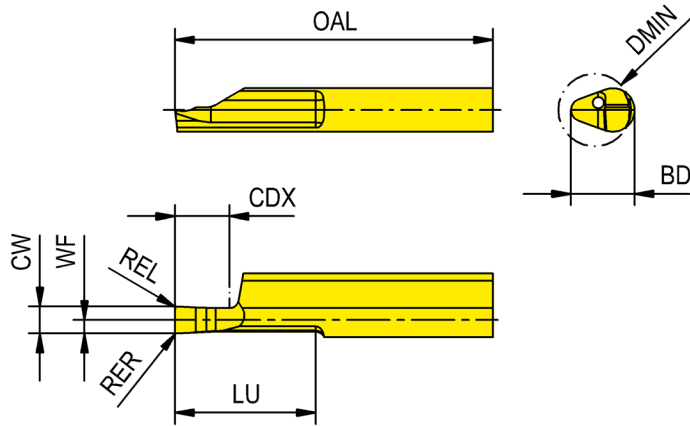
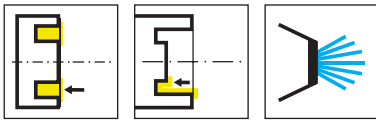


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	LU	CDX	REL	RER	WF	OAL	BD	Trennstelle M Interface M	EG35	T125
R105.0610.1.8	6	1	10	2	0,05	0,05	2	25	7	10512595N	▲	▲
R105.0615.1.8	6	1,5	10	3	0,05	0,05	2	25	7	10512595N	▲	▲
R105.0620.1.8	6	2	10	5	0,05	0,05	2	25	7	10512595N	▲	▲
R105.0610.2.8	6	1	15	2	0,05	0,05	2	35	7	10512595N	▲	▲
R105.0615.2.8	6	1,5	15	3	0,05	0,05	2	35	7	10512595N	▲	▲
R105.0620.2.8	6	2	15	5	0,05	0,05	2	35	7	10512595N	▲	▲
L105.0610.1.8	6	1	10	2	0,05	0,05	2	25	7	10512595N	▲	▲
L105.0615.1.8	6	1,5	10	3	0,05	0,05	2	25	7	10512595N	▲	▲
L105.0620.1.8	6	2	10	5	0,05	0,05	2	25	7	10512595N	▲	▲
L105.0610.2.8	6	1	15	2	0,05	0,05	2	35	7	10512595N	Δ	▲
L105.0615.2.8	6	1,5	15	3	0,05	0,05	2	35	7	10512595N	Δ	▲
L105.0620.2.8	6	2	15	5	0,05	0,05	2	35	7	10512595N	Δ	▲
P											●	●
M											●	●
K											●	-
N											o	●
S											-	-
H											-	-



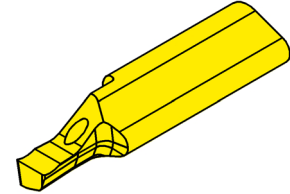
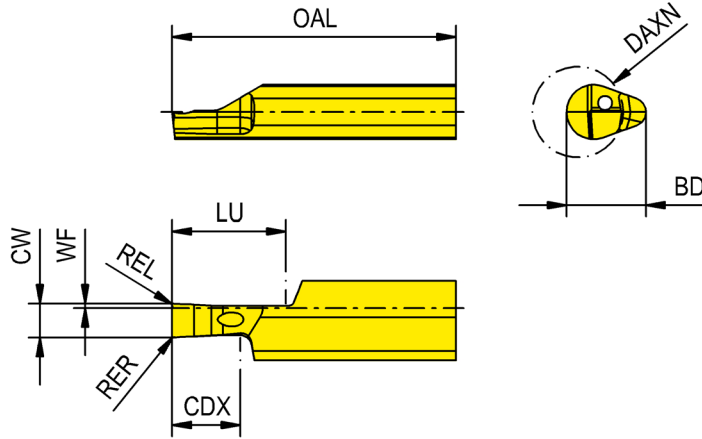
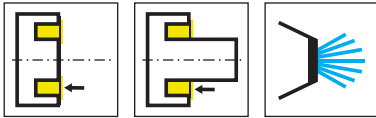
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	LU	CDX	REL	RER	WF	OAL	BD	Trennstelle M Interface M	EG35	T125
R105.0810.1.8	8	1	10	2	0,15	0,15	2	25	7	10512595N	▲	▲
R105.0815.1.8	8	1,5	10	3	0,15	0,15	2	25	7	10512595N	▲	▲
R105.0820.1.8	8	2	10	4	0,15	0,15	2	25	7	10512595N	▲	▲
R105.0825.1.8	8	2,5	10	5	0,15	0,15	2	25	7	10512595N	▲	▲
R105.0830.1.8	8	3	10	6	0,15	0,15	2	25	7	10512595N	▲	▲
R105.0810.2.8	8	1	15	2	0,15	0,15	2	35	7	10512595N	▲	▲
R105.0815.2.8	8	1,5	15	3	0,15	0,15	2	35	7	10512595N	▲	▲
R105.0820.2.8	8	2	15	4	0,15	0,15	2	35	7	10512595N	▲	▲
R105.0825.2.8	8	2,5	15	5	0,15	0,15	2	35	7	10512595N	▲	▲
R105.0830.2.8	8	3	15	6	0,15	0,15	2	35	7	10512595N	▲	▲
L105.0810.1.8	8	1	10	2	0,15	0,15	2	25	7	10512595N	▲	▲
L105.0815.1.8	8	1,5	10	3	0,15	0,15	2	25	7	10512595N	▲	▲
L105.0820.1.8	8	2	10	4	0,15	0,15	2	25	7	10512595N	▲	▲
L105.0825.1.8	8	2,5	10	5	0,15	0,15	2	25	7	10512595N	▲	▲
L105.0830.1.8	8	3	10	6	0,15	0,15	2	25	7	10512595N	▲	▲
L105.0810.2.8	8	1	15	2	0,15	0,15	2	35	7	10512595N	▲	▲
L105.0815.2.8	8	1,5	15	3	0,15	0,15	2	35	7	10512595N	▲	▲
L105.0820.2.8	8	2	15	4	0,15	0,15	2	35	7	10512595N	▲	▲
L105.0825.2.8	8	2,5	15	5	0,15	0,15	2	35	7	10512595N	▲	▲
L105.0830.2.8	8	3	15	6	0,15	0,15	2	35	7	10512595N	▲	▲
P											●	●
M											●	●
K											●	-
N											o	●
S											-	-
H											-	-

A1

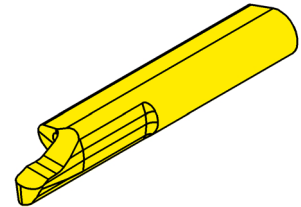
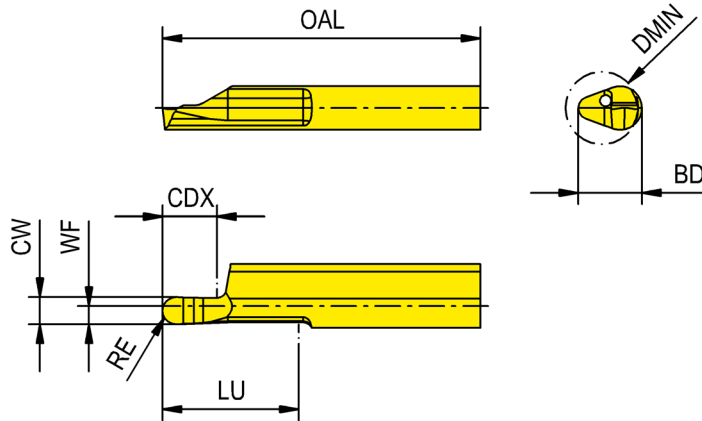
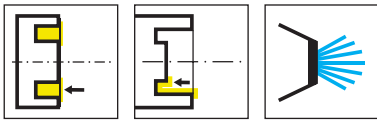


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DAXN	CW	LU	CDX	REL	RER	WF	OAL	BD	Trennstelle M Interface M	EG35	T125
R105.0810.1.9	8	1	10	2	0,15	0,15	0,6	25	7	10512595N	▲	▲
R105.0815.1.9	8	1,5	10	3	0,15	0,15	1,1	25	7	10512595N	▲	▲
R105.0820.1.9	8	2	10	4	0,15	0,15	1,6	25	7	10512595N	▲	▲
R105.0825.1.9	8	2,5	10	5	0,15	0,15	2,1	25	7	10512595N	▲	▲
R105.0830.1.9	8	3	10	6	0,15	0,15	2,6	25	7	10512595N	▲	▲
L105.0810.1.9	8	1	10	2	0,15	0,15	0,6	25	7	10512595N	▲	▲
L105.0815.1.9	8	1,5	10	3	0,15	0,15	1,1	25	7	10512595N	▲	▲
L105.0820.1.9	8	2	10	4	0,15	0,15	1,6	25	7	10512595N	▲	▲
L105.0825.1.9	8	2,5	10	5	0,15	0,15	2,1	25	7	10512595N	▲	▲
L105.0830.1.9	8	3	10	6	0,15	0,15	2,6	25	7	10512595N	▲	▲
											P	●
											M	●
											K	●
											N	o
											S	-
											H	-



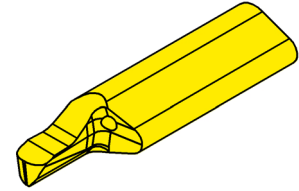
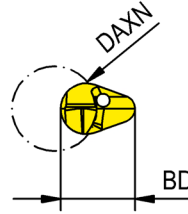
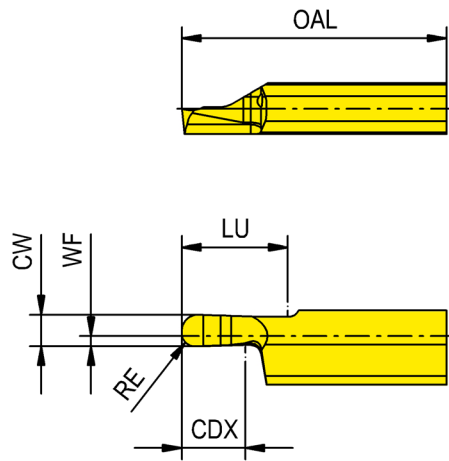
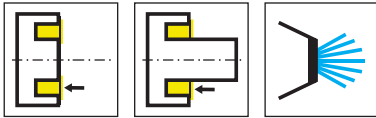
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	RE	LU	CDX	WF	OAL	BD	Trennstelle M Interface M	EG35	T125
R105.8V10.1.8	8	1	0,5	10	2	2	25	7	10512595N	▲	▲
R105.8V16.1.8	8	1,6	0,8	10	3	2	25	7	10512595N	▲	▲
R105.8V20.1.8	8	2	1	10	4	2	25	7	10512595N	▲	▲
R105.8V25.1.8	8	2,5	1,25	10	5	2	25	7	10512595N	▲	▲
R105.8V30.1.8	8	3	1,5	10	6	2	25	7	10512595N	▲	▲
R105.8V10.2.8	8	1	0,5	15	2	2	35	7	10512595N	▲	▲
R105.8V16.2.8	8	1,6	0,8	15	3	2	35	7	10512595N	▲	▲
R105.8V20.2.8	8	2	1	15	4	2	35	7	10512595N	▲	▲
R105.8V25.2.8	8	2,5	1,25	15	5	2	35	7	10512595N	▲	▲
R105.8V30.2.8	8	3	1,5	15	6	2	35	7	10512595N	▲	▲
L105.8V10.1.8	8	1	0,5	10	2	2	25	7	10512595N	▲	▲
L105.8V16.1.8	8	1,6	0,8	10	3	2	25	7	10512595N	▲	▲
L105.8V20.1.8	8	2	1	10	4	2	25	7	10512595N	▲	▲
L105.8V25.1.8	8	2,5	1,25	10	5	2	25	7	10512595N	Δ	▲
L105.8V30.1.8	8	3	1,5	10	6	2	25	7	10512595N	▲	▲
L105.8V10.2.8	8	1	0,5	15	2	2	35	7	10512595N	Δ	▲
L105.8V16.2.8	8	1,6	0,8	15	3	2	35	7	10512595N	Δ	▲
L105.8V20.2.8	8	2	1	15	4	2	35	7	10512595N	▲	▲
L105.8V25.2.8	8	2,5	1,25	15	5	2	35	7	10512595N	Δ	Δ
L105.8V30.2.8	8	3	1,5	15	6	2	35	7	10512595N	Δ	▲
P	●	●									
M	●	●									
K	●	-									
N	○	●									
S	-	-									
H	-	-									

A1



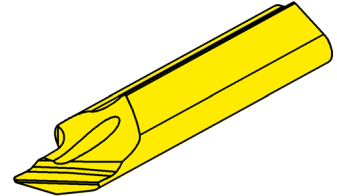
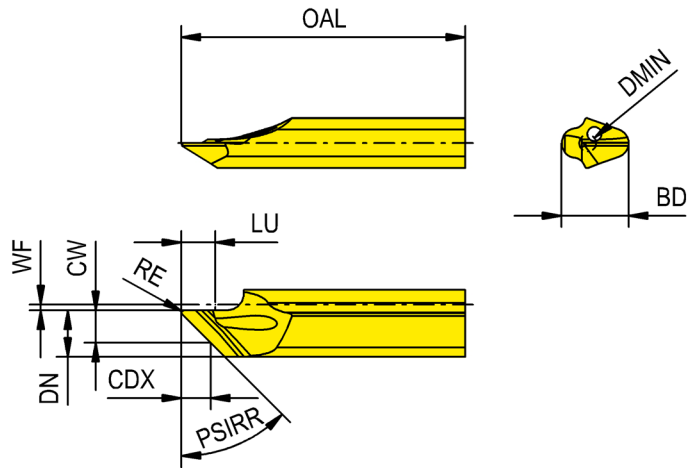
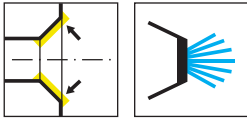
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DAXN	CW	RE	LU	CDX	WF	OAL	BD	Trennstelle M Interface M	EG35
R105.8V10.1.9	8	1	0,5	10	2	0,4	25	7	10512595N	▲
R105.8V16.1.9	8	1,6	0,8	10	3	0,4	25	7	10512595N	▲
R105.8V20.1.9	8	2	1	10	4	0,4	25	7	10512595N	▲
R105.8V25.1.9	8	2,5	1,25	10	5	0,4	25	7	10512595N	▲
R105.8V30.1.9	8	3	1,5	10	6	1	25	7	10512595N	▲
L105.8V10.1.9	8	1	0,5	10	2	0,4	25	7	10512595N	▲
L105.8V16.1.9	8	1,6	0,8	10	3	0,4	25	7	10512595N	▲
L105.8V20.1.9	8	2	1	10	4	0,4	25	7	10512595N	▲
L105.8V25.1.9	8	2,5	1,25	10	5	0,4	25	7	10512595N	▲
L105.8V30.1.9	8	3	1,5	10	6	1	25	7	10512595N	▲
										P ●
										M ●
										K ●
										N o
										S -
										H -



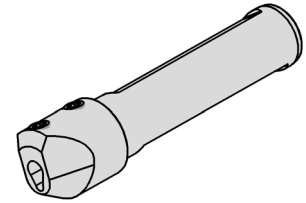
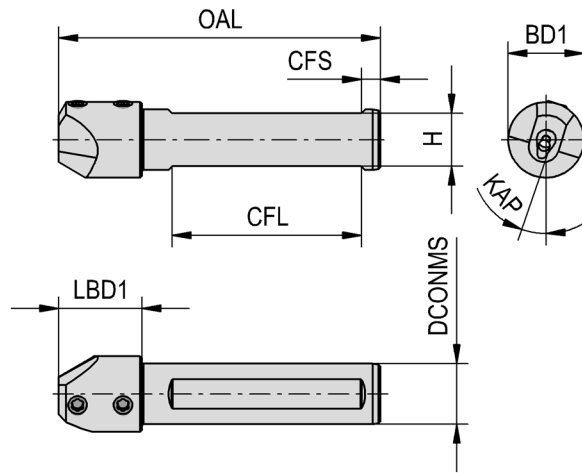
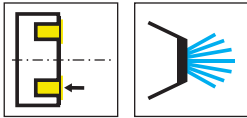
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRR	CW	WF	OAL	BD	Trennstelle M Interface M	EG35	TH35	TN35
R105.0045.0.1	1	4	0,2	3,5	45°	3,5	0,5	20	5,9	10512395N	▲	▲	▲
R105.0045.1.1	1	4	0,2	3,5	45°	3,5	0,5	25	5,9	10512395N	▲	▲	▲
R105.0060.0.1	1	4	0,2	4	60°	2,5	0,5	20	5,9	10512395N	▲	▲	▲
R105.0060.1.1	1	4	0,2	4	60°	2,5	0,5	25	5,9	10512395N	▲	▲	▲
L105.0045.0.1	1	4	0,2	3,5	45°	3,5	0,5	20	5,9	10512395N	▲	▲	▲
L105.0045.1.1	1	4	0,2	3,5	45°	3,5	0,5	25	5,9	10512395N	▲	▲	▲
L105.0060.0.1	1	4	0,2	4	60°	2,5	0,5	20	5,9	10512395N	▲	▲	▲
L105.0060.1.1	1	4	0,2	4	60°	2,5	0,5	25	5,9	10512395N	▲	▲	▲
P	●	●	●	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●	●	●	●
N	o	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-

A1



R = rechts wie gezeichnet
R = right hand version shown

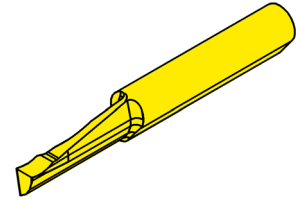
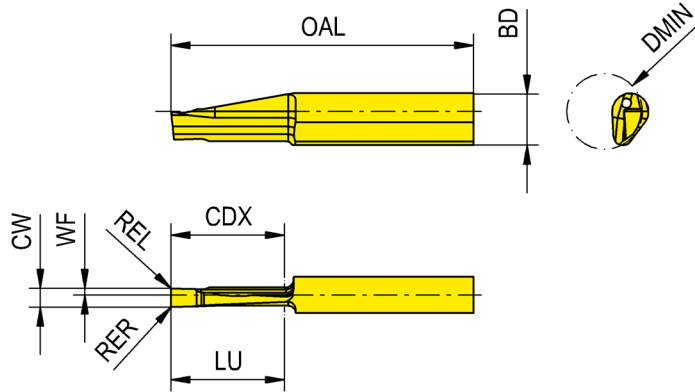
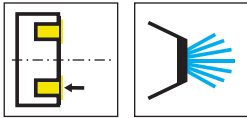
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	CFL	CFS	KAP	Trennstelle W Interface W
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



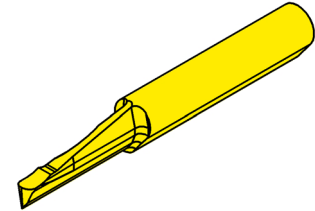
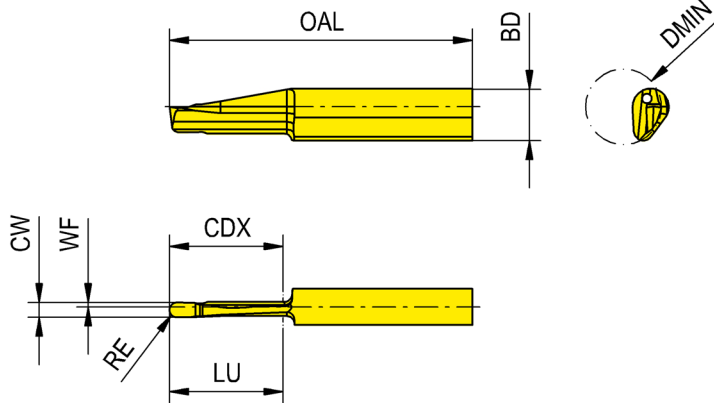
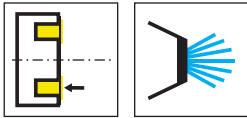
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	LU	CDX	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 DMIN 10 - 40 mm möglich! Face grooving with full width of the full depth only possible between DMIN 10 - 40 mm!											P	●
											M	●
											K	●
											N	○
											S	-
											H	-

A1



R = rechts wie gezeichnet
R = right hand version shown

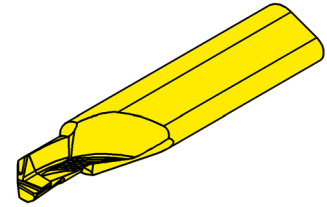
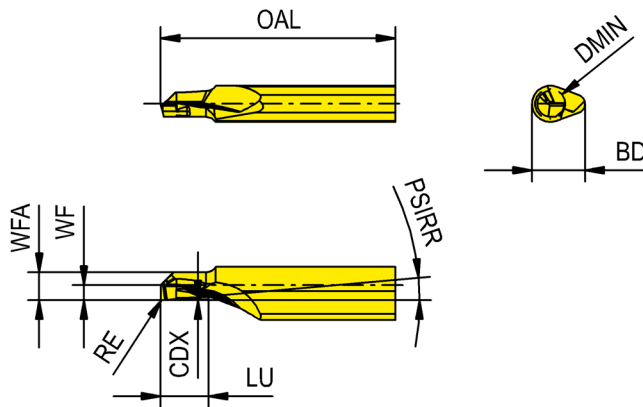
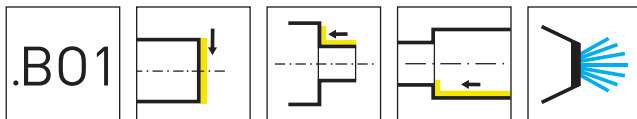
L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	RE	LU	CDX	WF	OAL	BD	Trennstelle M Interface M	EG35	T125
RA105.1020.10.2.2	10	2	1	15	15	1,4	40	7	10522595R17	▲	▲
RA105.1025.12.2.2	10	2,5	1,25	15	15	1,6	40	7	10522595R17	Δ	▲
RA105.1030.15.2.2	10	3	1,5	15	15	1,9	40	7	10522595R17	▲	▲
LA105.1020.10.2.2	10	2	1	15	15	1,4	40	7	10522595L17	Δ	▲
LA105.1025.12.2.2	10	2,5	1,25	15	15	1,6	40	7	10522595L17	Δ	Δ
LA105.1030.15.2.2	10	3	1,5	15	15	1,9	40	7	10522595L17	Δ	▲

Axialstechen ins Volle bei voller Stechtiefe nur bei DMIN 10 - 40 mm möglich!
Face grooving with full width of the full depth only possible between DMIN 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 ▲ 4 Wochen
▲ on stock ▲ 4 weeks

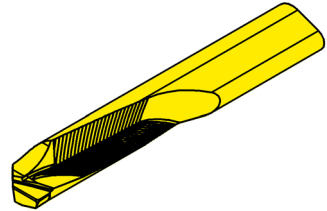
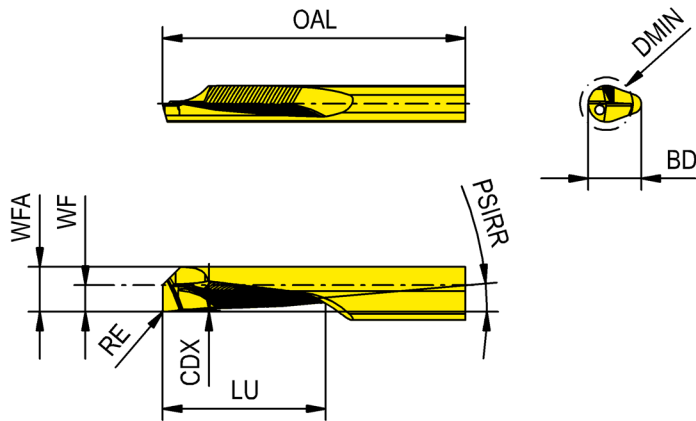
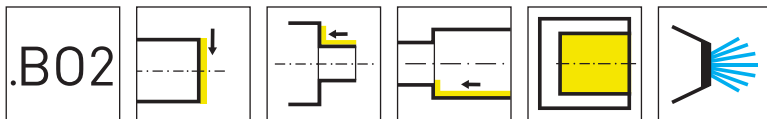
Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35
R105.B0.30.20.045.1	3	4,5	0,2	0,1	5°	1,5	2,7	31	7	10512595N	▲
R105.B0.30.20.075.1	3	7,5	0,2	0,1	5°	1,5	2,7	31	7	10512595N	▲
R105.B0.40.20.060.1	4	6	0,2	0,1	5°	2	3,7	31	7	10512595N	▲
R105.B0.40.20.100.1	4	10	0,2	0,1	5°	2	3,7	31	7	10512595N	▲
R105.B0.50.20.075.1	5	7,5	0,2	0,1	5°	2,5	4,7	31	7	10512595N	▲
R105.B0.50.20.125.1	5	12,5	0,2	0,1	5°	2,5	4,7	31	7	10512595N	▲
R105.B0.60.20.090.1	6	9	0,2	0,1	5°	3	5,4	31	7	10512595N	▲
R105.B0.60.20.150.1	6	15	0,2	0,1	5°	3	5,4	36	7	10512595N	▲
R105.B0.70.20.105.1	7	10,5	0,2	0,1	5°	3,5	5,9	36	7	10512595N	▲
R105.B0.70.20.175.1	7	17,5	0,2	0,1	5°	3,5	5,9	40	7	10512595N	▲
L105.B0.30.20.045.1	3	4,5	0,2	0,1	5°	1,5	2,7	31	7	10512595N	Δ
L105.B0.30.20.075.1	3	7,5	0,2	0,1	5°	1,5	2,7	31	7	10512595N	Δ
L105.B0.40.20.060.1	4	6	0,2	0,1	5°	2	3,7	31	7	10512595N	Δ
L105.B0.40.20.100.1	4	10	0,2	0,1	5°	2	3,7	31	7	10512595N	Δ
L105.B0.50.20.075.1	5	7,5	0,2	0,1	5°	2,5	4,7	31	7	10512595N	Δ
L105.B0.50.20.125.1	5	12,5	0,2	0,1	5°	2,5	4,7	31	7	10512595N	Δ
L105.B0.60.20.090.1	6	9	0,2	0,1	5°	3	5,4	31	7	10512595N	Δ
L105.B0.60.20.150.1	6	15	0,2	0,1	5°	3	5,4	36	7	10512595N	Δ
L105.B0.70.20.105.1	7	10,5	0,2	0,1	5°	3,5	5,9	36	7	10512595N	Δ
L105.B0.70.20.175.1	7	17,5	0,2	0,1	5°	3,5	5,9	40	7	10512595N	Δ

mit innerer Kühlmittelzufuhr ab Schneidkreisdurchmesser 5 mm
with through coolant supply from cutting diameter 5 mm

mit Spantreppe
with chip breaker

P	●
M	●
K	○
N	○
S	-
H	-

A1



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

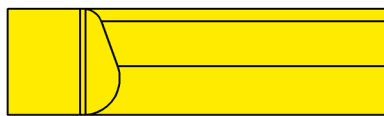
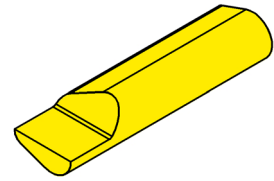
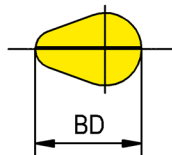
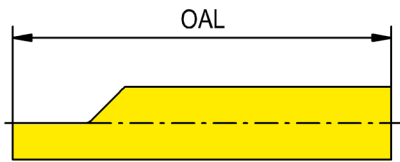
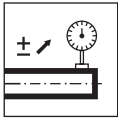
Sorten
Grades
▲ ab Lager Δ 4 Wochen
▲ on stock Δ 4 weeks

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	IG35	TH35
R105.B0.30.20.045.2	3	4,5	0,2	0,1	5°	1,5	2,7	31	7	10512595N	▲	▲	▲
R105.B0.30.20.075.2	3	7,5	0,2	0,1	5°	1,5	2,7	31	7	10512595N	▲	▲	▲
R105.B0.40.20.060.2	4	6	0,2	0,1	5°	2	3,7	31	7	10512595N	▲	▲	▲
R105.B0.40.20.100.2	4	10	0,2	0,1	5°	2	3,7	31	7	10512595N	▲	▲	▲
R105.B0.50.20.075.2	5	7,5	0,2	0,1	5°	2,5	4,7	31	7	10512595N	▲	▲	▲
R105.B0.50.20.125.2	5	12,5	0,2	0,1	5°	2,5	4,7	31	7	10512595N	▲	▲	▲
R105.B0.60.20.090.2	6	9	0,2	0,1	5°	3	5,4	31	7	10512595N	▲	▲	▲
R105.B0.60.20.150.2	6	15	0,2	0,1	5°	3	5,4	36	7	10512595N	▲	▲	▲
R105.B0.70.20.105.2	7	10,5	0,2	0,1	5°	3,5	5,9	36	7	10512595N	▲	▲	▲
R105.B0.70.20.175.2	7	17,5	0,2	0,1	5°	3,5	5,9	40	7	10512595N	▲	▲	▲
L105.B0.30.20.045.2	3	4,5	0,2	0,1	5°	1,5	2,7	31	7	10512595N	Δ	Δ	Δ
L105.B0.30.20.075.2	3	7,5	0,2	0,1	5°	1,5	2,7	31	7	10512595N	▲	Δ	Δ
L105.B0.40.20.060.2	4	6	0,2	0,1	5°	2	3,7	31	7	10512595N	Δ	Δ	Δ
L105.B0.40.20.100.2	4	10	0,2	0,1	5°	2	3,7	31	7	10512595N	Δ	Δ	Δ
L105.B0.50.20.075.2	5	7,5	0,2	0,1	5°	2,5	4,7	31	7	10512595N	Δ	Δ	Δ
L105.B0.50.20.125.2	5	12,5	0,2	0,1	5°	2,5	4,7	31	7	10512595N	Δ	Δ	Δ
L105.B0.60.20.090.2	6	9	0,2	0,1	5°	3	5,4	31	7	10512595N	Δ	Δ	Δ
L105.B0.60.20.150.2	6	15	0,2	0,1	5°	3	5,4	36	7	10512595N	Δ	Δ	Δ
L105.B0.70.20.105.2	7	10,5	0,2	0,1	5°	3,5	5,9	36	7	10512595N	Δ	Δ	Δ
L105.B0.70.20.175.2	7	17,5	0,2	0,1	5°	3,5	5,9	40	7	10512595N	Δ	Δ	Δ

mit innerer Kühlmittelzufuhr ab Schneidkreisdurchmesser 5 mm
with through coolant supply from cutting diameter 5 mm

Universalgeometrie
universal geometry

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



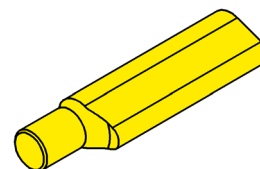
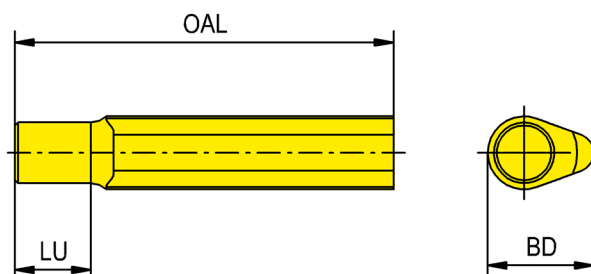
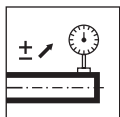
R = rechts wie gezeichnet

R = right hand version shown

Artikelnummer Part number	BD	OAL	Trennstelle M Interface M
R105.LEHR.H.03	25	5,9	10512395N
R105.LEHR.H.04	25	6,4	10512495N
R105.LEHR.H.05	25	7,0	10512595N
L105.LEHR.H.03	25	5,9	10512395N
L105.LEHR.H.04	25	6,4	10512495N
L105.LEHR.H.05	25	7,0	10512595N

Platte zum Einrichten des Werkzeugs
Insert for tool set up

A1



Artikelnummer Part number	BD	LU	OAL	Trennstelle M Interface M
105.LEHR.D.03	5,9	3	25	10512395N
105.LEHR.D.04	6,4	3	25	10512495N
105.LEHR.D.05	7	5	25	10512585N

Platte zum Einrichten des Werkzeugs
Insert for tool set up



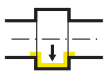
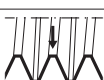
A2

Kapitel Chapter	A			B								
	A1	A2	A3	B1	B2	B3	B4	B5	B6	B7	B8	B9
System System	105	109	110	106	107	108	10P	111	11P	114	116	18P

Ø DMIN

≥ 0,2	•											
≥ 0,5	•											
≥ 0,7	•											
≥ 1,0	•											
≥ 1,5	•											
≥ 2,0	•											
≥ 3,0	•											
≥ 4,0	•											
≥ 5,0	•											
≥ 6,0	•	•	•	•								
≥ 6,5				•								
≥ 6,8	•	•			•							
≥ 7,0	•	•			•							
≥ 7,8						•						
≥ 8,0			•		•	•						
≥ 9,0							•					
≥ 10,0			•				•	•	•			
≥ 10,5									•			
≥ 11,0								•				
≥ 11,5									•			
≥ 13,8										•		
≥ 14,0										•		
≥ 15,5											•	
≥ 16,0										•	•	
≥ 16,5										•		
≥ 17,5												•
≥ 18,0												•
≥ 20,0												•

Bearbeitung / Machining

	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•			•	•		•		•	•	
	•	•		•	•	•	•	•	•	•	•	
	•	•	•							•		
	•	•	•	•	•	•	•	•	•	•	•	•

109

A2



Klemmhalter und Schneidplatten

ab Bohrung Ø 6 mm

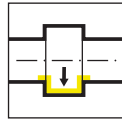
Toolholder and Inserts

from bore Ø 6 mm

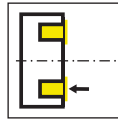
Inhaltsangabe

Summary

Klemmhalter
Toolholder
B109

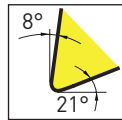


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179-180



Seite/Page
196

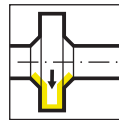
Schneidplatte
Insert
109/A109



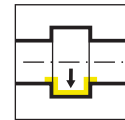
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181-182



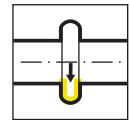
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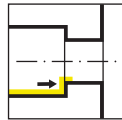
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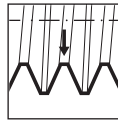
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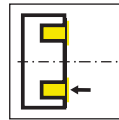
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190



Seite/Page
191

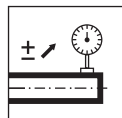


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192-193

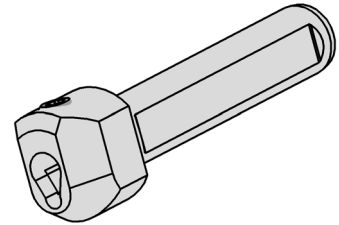
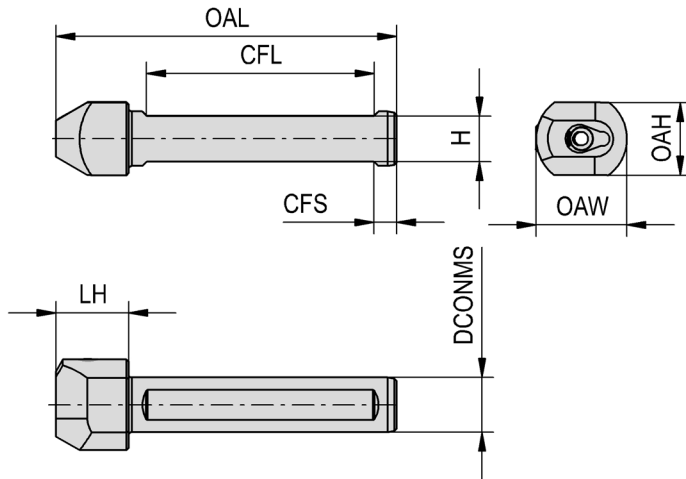
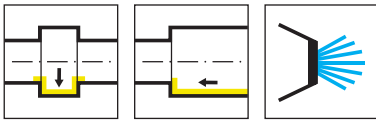


Seite/Page
197

Platte
Insert
109



Seite/Page
194-195



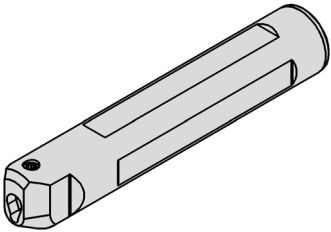
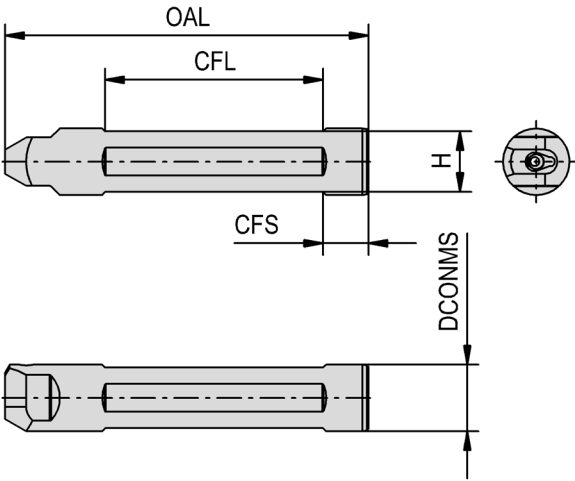
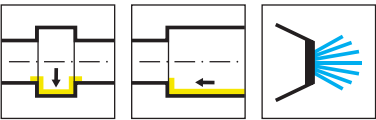
A2

Artikelnummer Part number	DCONMS	H	OAL	LH	OAW	OAH	CFL	CFS	Trennstelle W Interface W
B109.0012.01	12	10	75	16	20	16	50	5	10914095N
B109.0016.01	16	14	75	16	20	18	50	5	10914095N
B109.0020.01	20	18	90	-	-	-	55	5	10914095N
B109.0025.01	25	23	100	-	-	-	55	5	10914095N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B109...	6.075T15P	T15PQ

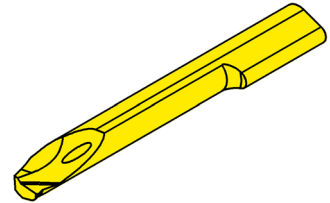
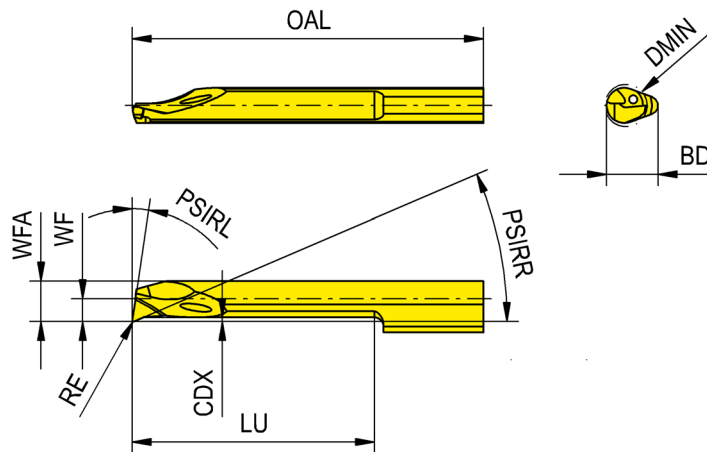
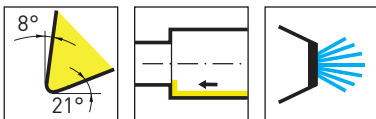
A2



Artikelnummer Part number	DCONMS	H	OAL	CFL	CFS	Trennstelle W Interface W
B109.0022.1.2.01	22	20	120	72	15	10914095N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B109.0022.1.2.01	6.075T15P	T15PQ



A2

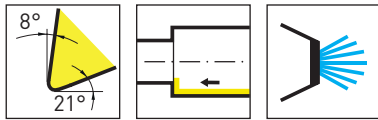
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

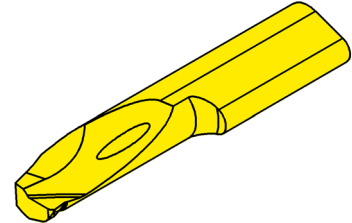
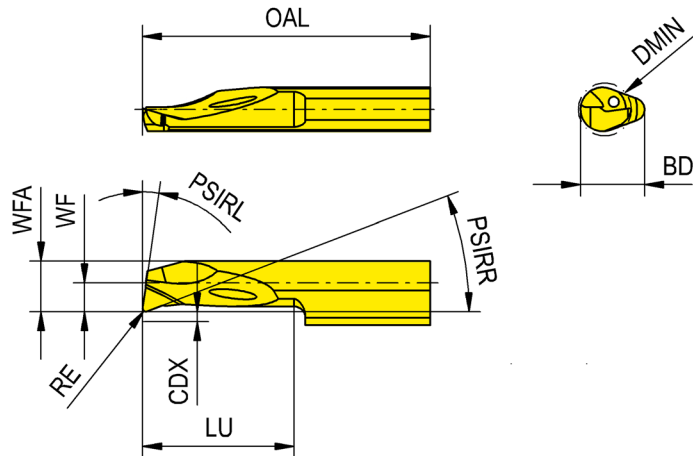
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.1828.1.6	6	10	0,2	0,4	8°	21°	2,8	5,7	28	8,5	10914095N	Δ
R109.1828.2.6	6	15	0,2	0,4	8°	21°	2,8	5,7	33	8,5	10914095N	Δ
R109.1828.3.6	6	20	0,2	0,4	8°	21°	2,8	5,7	38	8,5	10914095N	▲
R109.1828.4.6	6	25	0,2	0,4	8°	21°	2,8	5,7	43	8,5	10914095N	Δ
R109.1828.5.6	6	30	0,2	0,4	8°	21°	2,8	5,7	48	8,5	10914095N	Δ
R109.1828.6.6	6	35	0,2	0,4	8°	21°	2,8	5,7	53	8,5	10914095N	Δ
R109.1828.7.6	6	40	0,2	0,4	8°	21°	2,8	5,7	58	8,5	10914095N	▲
R109.1838.2.7	7	15	0,2	0,4	8°	21°	3,8	6,7	33	8,5	10914095N	Δ
R109.1838.3.7	7	20	0,2	0,4	8°	21°	3,8	6,7	38	8,5	10914095N	Δ
R109.1838.4.7	7	25	0,2	0,4	8°	21°	3,8	6,7	43	8,5	10914095N	Δ
R109.1838.5.7	7	30	0,2	0,4	8°	21°	3,8	6,7	48	8,5	10914095N	▲
R109.1838.6.7	7	35	0,2	0,4	8°	21°	3,8	6,7	53	8,5	10914095N	▲
R109.1838.7.7	7	40	0,2	0,4	8°	21°	3,8	6,7	58	8,5	10914095N	▲
R109.1838.8.7	7	45	0,2	0,4	8°	21°	3,8	6,7	63	8,5	10914095N	▲
L109.1828.1.6	6	10	0,2	0,4	8°	21°	2,8	5,7	28	8,5	10914095N	Δ
L109.1828.2.6	6	15	0,2	0,4	8°	21°	2,8	5,7	33	8,5	10914095N	Δ
L109.1828.3.6	6	20	0,2	0,4	8°	21°	2,8	5,7	38	8,5	10914095N	Δ
L109.1828.5.6	6	30	0,2	0,4	8°	21°	2,8	5,7	48	8,5	10914095N	Δ
L109.1828.6.6	6	35	0,2	0,4	8°	21°	2,8	5,7	53	8,5	10914095N	Δ
L109.1828.7.6	6	40	0,2	0,4	8°	21°	2,8	5,7	58	8,5	10914095N	Δ
L109.1838.2.7	7	15	0,2	0,4	8°	21°	3,8	6,7	33	8,5	10914095N	Δ
L109.1838.3.7	7	20	0,2	0,4	8°	21°	3,8	6,7	38	8,5	10914095N	Δ
L109.1838.4.7	7	25	0,2	0,4	8°	21°	3,8	6,7	43	8,5	10914095N	Δ
L109.1838.5.7	7	30	0,2	0,4	8°	21°	3,8	6,7	48	8,5	10914095N	Δ
L109.1838.6.7	7	35	0,2	0,4	8°	21°	3,8	6,7	53	8,5	10914095N	Δ
L109.1838.7.7	7	40	0,2	0,4	8°	21°	3,8	6,7	58	8,5	10914095N	Δ
L109.1838.8.7	7	45	0,2	0,4	8°	21°	3,8	6,7	63	8,5	10914095N	Δ

P	●
M	●
K	-
N	-
S	-
H	-



A2



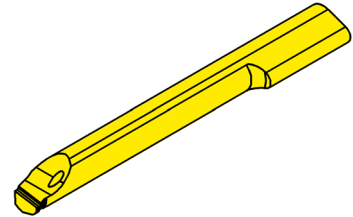
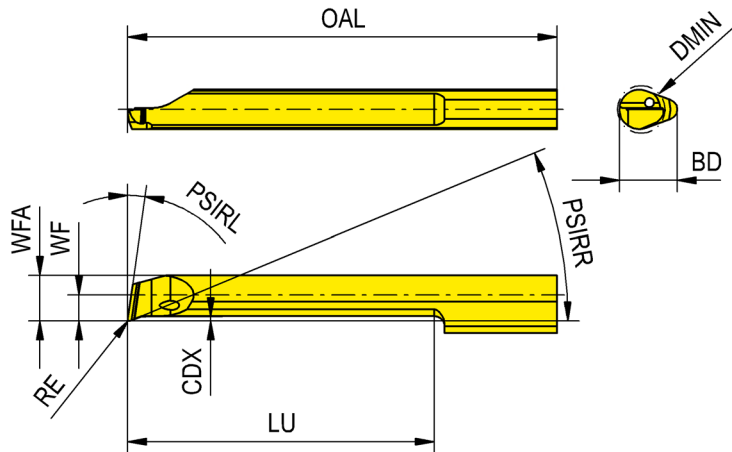
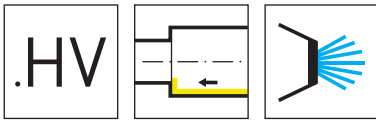
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.1828.04.1.6	6	10	0,4	0,4	8°	21°	2,8	5,7	28	8,5	10914095N	Δ
R109.1828.04.2.6	6	15	0,4	0,4	8°	21°	2,8	5,7	33	8,5	10914095N	Δ
R109.1828.04.3.6	6	20	0,4	0,4	8°	21°	2,8	5,7	38	8,5	10914095N	Δ
R109.1828.04.4.6	6	25	0,4	0,4	8°	21°	2,8	5,7	43	8,5	10914095N	Δ
R109.1828.04.5.6	6	30	0,4	0,4	8°	21°	2,8	5,7	48	8,5	10914095N	Δ
R109.1828.04.6.6	6	35	0,4	0,4	8°	21°	2,8	5,7	53	8,5	10914095N	Δ
R109.1838.04.6.7	7	35	0,4	0,4	8°	21°	3,8	6,7	53	8,5	10914095N	Δ
R109.1828.04.7.6	6	40	0,4	0,4	8°	21°	2,8	5,7	58	8,5	10914095N	Δ
R109.1838.04.2.7	7	15	0,4	0,4	8°	21°	3,8	6,7	33	8,5	10914095N	Δ
R109.1838.04.3.7	7	20	0,4	0,4	8°	21°	3,8	6,7	38	8,5	10914095N	Δ
R109.1838.04.4.7	7	20	0,4	0,4	8°	21°	3,8	6,7	38	8,5	10914095N	Δ
R109.1838.04.5.7	7	30	0,4	0,4	8°	21°	3,8	6,7	48	8,5	10914095N	Δ
R109.1838.04.7.7	7	40	0,4	0,4	8°	21°	3,8	6,7	58	8,5	10914095N	▲
R109.1838.04.8.7	7	45	0,4	0,4	8°	21°	3,8	6,7	63	8,5	10914095N	▲
L109.1828.04.1.6	6	10	0,4	0,4	8°	21°	2,8	5,7	28	8,5	10914095N	Δ
L109.1828.04.2.6	6	15	0,4	0,4	8°	21°	2,8	5,7	33	8,5	10914095N	Δ
L109.1828.04.3.6	6	20	0,4	0,4	8°	21°	2,8	5,7	38	8,5	10914095N	Δ
L109.1828.04.4.6	6	25	0,4	0,4	8°	21°	2,8	5,7	43	8,5	10914095N	Δ
L109.1828.04.7.6	6	40	0,4	0,4	8°	21°	2,8	5,7	58	8,5	10914095N	Δ
L109.1838.04.2.7	7	15	0,4	0,4	8°	21°	3,8	6,7	33	8,5	10914095N	Δ
L109.1838.04.3.7	7	20	0,4	0,4	8°	21°	3,8	6,7	38	8,5	10914095N	Δ
L109.1838.04.8.7	7	45	0,4	0,4	8°	21°	3,8	6,7	63	8,5	10914095N	Δ
												P ●
												M ●
												K -
												N -
												S -
												H -



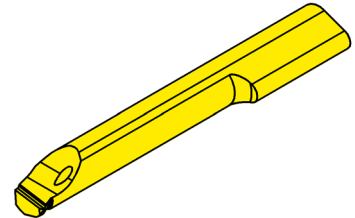
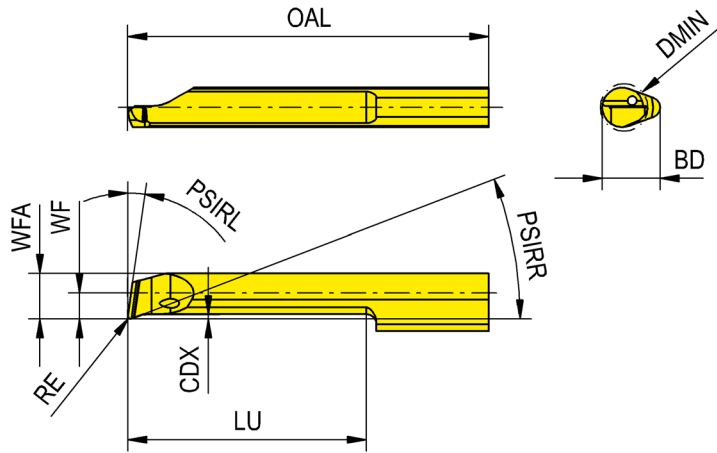
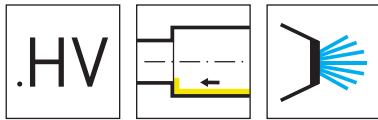
A2

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	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.1828.1.HV6	6	10	0,2	0,4	8°	21°	2,8	5,7	28	8,5	10914095N	Δ
R109.1828.2.HV6	6	15	0,2	0,4	8°	21°	2,8	5,7	33	8,5	10914095N	Δ
R109.1828.3.HV6	6	20	0,2	0,4	8°	21°	2,8	5,7	38	8,5	10914095N	Δ
R109.1828.4.HV6	6	25	0,2	0,4	8°	21°	2,8	5,7	43	8,5	10914095N	Δ
R109.1828.5.HV6	6	30	0,2	0,4	8°	21°	2,8	5,7	48	8,5	10914095N	▲
R109.1828.6.HV6	6	35	0,2	0,4	8°	21°	2,8	5,7	53	8,5	10914095N	▲
R109.1828.7.HV6	6	40	0,2	0,4	8°	21°	2,8	5,7	58	8,5	10914095N	▲
R109.1838.3.HV7	7	20	0,2	0,4	8°	21°	3,8	6,7	38	8,5	10914095N	Δ
R109.1838.4.HV7	7	25	0,2	0,4	8°	21°	3,8	6,7	43	8,5	10914095N	Δ
R109.1838.5.HV7	7	30	0,2	0,4	8°	21°	3,8	6,7	48	8,5	10914095N	Δ
R109.1838.6.HV7	7	35	0,2	0,4	8°	21°	3,8	6,7	53	8,5	10914095N	Δ
R109.1838.7.HV7	7	40	0,2	0,4	8°	21°	3,8	6,7	58	8,5	10914095N	Δ
R109.1838.8.HV7	7	45	0,2	0,4	8°	21°	3,8	6,7	63	8,5	10914095N	Δ
L109.1828.1.HV6	6	10	0,2	0,4	8°	21°	2,8	5,7	28	8,5	10914095N	Δ
L109.1828.2.HV6	6	15	0,2	0,4	8°	21°	2,8	5,7	33	8,5	10914095N	Δ
L109.1828.3.HV6	6	20	0,2	0,4	8°	21°	2,8	5,7	38	8,5	10914095N	Δ
L109.1828.4.HV6	6	25	0,2	0,4	8°	21°	2,8	5,7	43	8,5	10914095N	Δ
L109.1828.6.HV6	6	35	0,2	0,4	8°	21°	2,8	5,7	53	8,5	10914095N	Δ
L109.1828.7.HV6	6	40	0,2	0,4	8°	21°	2,8	5,7	58	8,5	10914095N	Δ
L109.1838.2.HV7	7	15	0,2	0,4	8°	21°	3,8	6,7	33	8,5	10914095N	Δ
L109.1838.5.HV7	7	30	0,2	0,4	8°	21°	3,8	6,7	48	8,5	10914095N	Δ
L109.1838.6.HV7	7	35	0,2	0,4	8°	21°	3,8	6,7	53	8,5	10914095N	Δ
L109.1838.7.HV7	7	40	0,2	0,4	8°	21°	3,8	6,7	58	8,5	10914095N	Δ
L109.1838.8.HV7	7	45	0,2	0,4	8°	21°	3,8	6,7	63	8,5	10914095N	Δ
												P ●
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												K -
												N -
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												H -



R = rechts wie gezeichnet
R = right hand version shown

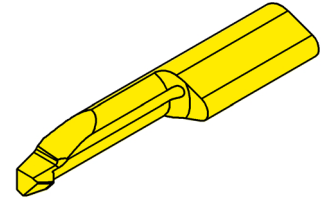
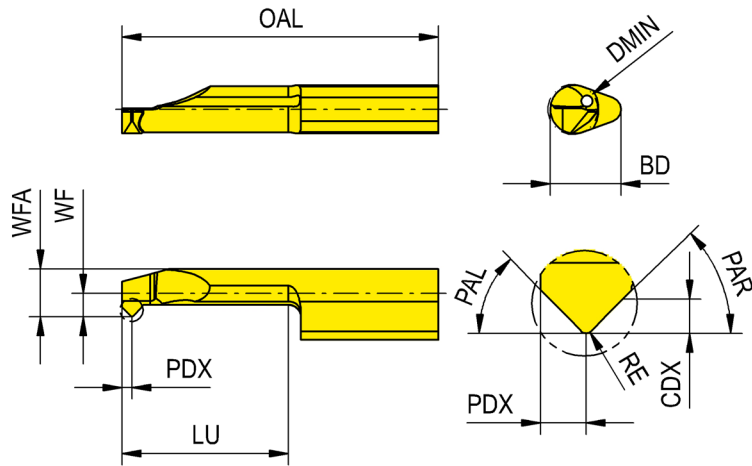
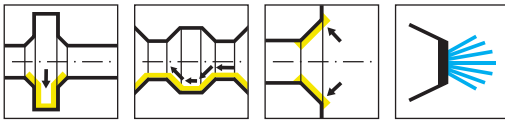
L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.1828.04.1.HV6	6	10	0,4	0,4	8°	21°	2,8	5,7	28	8,5	10914095N	Δ
R109.1828.04.2.HV6	6	15	0,4	0,4	8°	21°	2,8	5,7	33	8,5	10914095N	Δ
R109.1828.04.3.HV6	6	20	0,4	0,4	8°	21°	2,8	5,7	38	8,5	10914095N	Δ
R109.1828.04.4.HV6	6	25	0,4	0,4	8°	21°	2,8	5,7	43	8,5	10914095N	Δ
R109.1828.04.5.HV6	6	30	0,4	0,4	8°	21°	2,8	5,7	48	8,5	10914095N	Δ
R109.1828.04.6.HV6	6	35	0,4	0,4	8°	21°	2,8	5,7	53	8,5	10914095N	Δ
R109.1828.04.7.HV6	6	40	0,4	0,4	8°	21°	2,8	5,7	58	8,5	10914095N	Δ
R109.1838.04.2.HV7	7	15	0,4	0,4	8°	21°	3,8	6,7	33	8,5	10914095N	Δ
R109.1838.04.3.HV7	7	20	0,4	0,4	8°	21°	3,8	6,7	38	8,5	10914095N	Δ
R109.1838.04.4.HV7	7	25	0,4	0,4	8°	21°	3,8	6,7	43	8,5	10914095N	Δ
R109.1838.04.5.HV7	7	30	0,4	0,4	8°	21°	3,8	6,7	48	8,5	10914095N	Δ
R109.1838.04.6.HV7	7	35	0,4	0,4	8°	21°	3,8	6,7	53	8,5	10914095N	Δ
R109.1838.04.7.HV7	7	40	0,4	0,4	8°	21°	3,8	6,7	58	8,5	10914095N	Δ
R109.1838.04.8.HV7	7	45	0,4	0,4	8°	21°	3,8	6,7	63	8,5	10914095N	▲
L109.1828.04.1.HV6	6	10	0,4	0,4	8°	21°	2,8	5,7	28	8,5	10914095N	Δ
L109.1828.04.4.HV6	6	25	0,4	0,4	8°	21°	2,8	5,7	43	8,5	10914095N	Δ
L109.1828.04.5.HV6	6	30	0,4	0,4	8°	21°	2,8	5,7	48	8,5	10914095N	Δ
L109.1828.04.7.HV6	6	40	0,4	0,4	8°	21°	2,8	5,7	58	8,5	10914095N	Δ
L109.1838.04.2.HV7	7	15	0,4	0,4	8°	21°	3,8	6,7	33	8,5	10914095N	Δ
L109.1838.04.3.HV7	7	20	0,4	0,4	8°	21°	3,8	6,7	38	8,5	10914095N	Δ
L109.1838.04.4.HV7	7	25	0,4	0,4	8°	21°	3,8	6,7	43	8,5	10914095N	Δ
L109.1838.04.5.HV7	7	30	0,4	0,4	8°	21°	3,8	6,7	48	8,5	10914095N	Δ
L109.1838.04.6.HV7	7	35	0,4	0,4	8°	21°	3,8	6,7	53	8,5	10914095N	Δ
L109.1838.04.7.HV7	7	40	0,4	0,4	8°	21°	3,8	6,7	58	8,5	10914095N	Δ

P	●
M	●
K	-
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A2

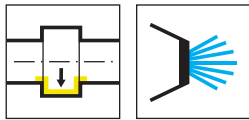
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R = right hand version shown

L = links spiegelbildlich
L = left hand version

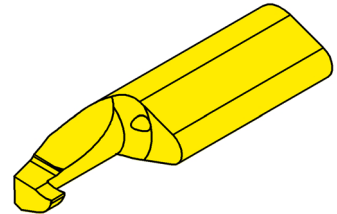
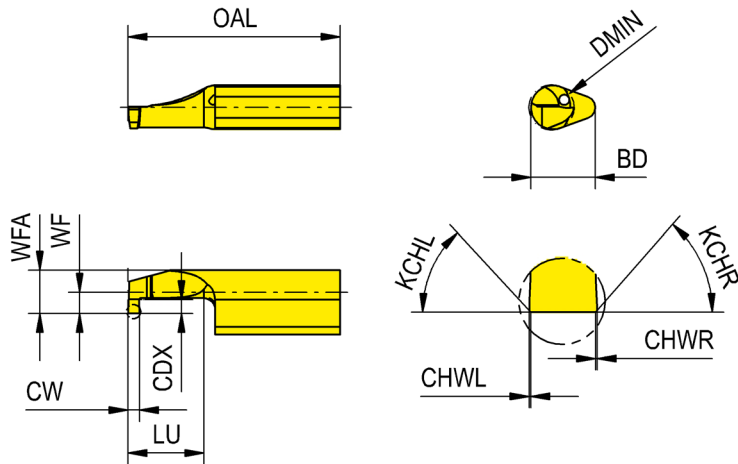
Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PDX	PAL	PAR	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.4545.3.6	6	20	0,2	0,9	1,2	45°	45°	2,8	5,7	38	8,5	10914095N	Δ
R109.4545.5.7	7	30	0,2	0,9	1,2	45°	45°	3,8	6,7	48	8,5	10914095N	▲
L109.4545.3.6	6	20	0,2	0,9	1,2	45°	45°	2,8	5,7	38	8,5	10914095N	Δ
L109.4545.5.7	7	30	0,2	0,9	1,2	45°	45°	3,8	6,7	48	8,5	10914095N	Δ
													P ●
													M ●
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													S -
													H -



A2



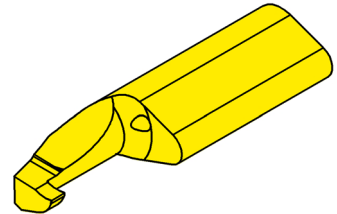
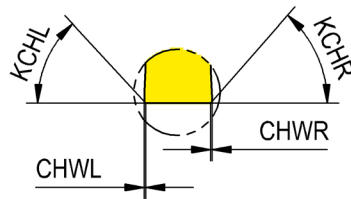
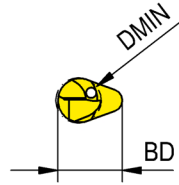
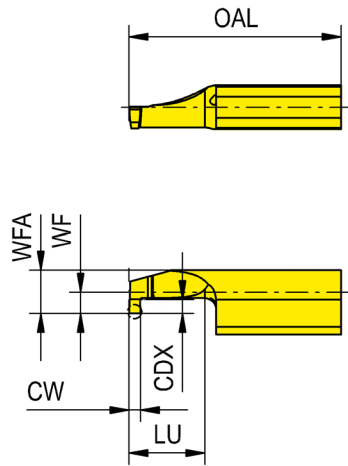
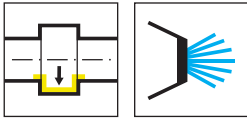
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMN	LU	CW	CDX	CHWL	KCHL	CHWR	KCHR	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.0100.1.6	6	10	1	1,8	0,04	45°	0,04	45°	2,8	5,7	28	8,5	10914095N	Δ
R109.0100.2.6	6	15	1	1,8	0,04	45°	0,04	45°	2,8	5,7	33	8,5	10914095N	Δ
R109.0100.3.6	6	20	1	1,8	0,04	45°	0,04	45°	2,8	5,7	38	8,5	10914095N	Δ
R109.0150.1.6	6	10	1,5	1,8	0,04	45°	0,04	45°	2,8	5,7	28	8,5	10914095N	Δ
R109.0150.2.6	6	15	1,5	1,8	0,04	45°	0,04	45°	2,8	5,7	33	8,5	10914095N	Δ
R109.0150.3.6	6	20	1,5	1,8	0,04	45°	0,04	45°	2,8	5,7	38	8,5	10914095N	Δ
R109.0150.4.6	6	25	1,5	1,8	0,04	45°	0,04	45°	2,8	5,7	43	8,5	10914095N	Δ
R109.0150.5.6	6	30	1,5	1,8	0,04	45°	0,04	45°	2,8	5,7	48	8,5	10914095N	Δ
R109.0150.6.6	6	35	1,5	1,8	0,04	45°	0,04	45°	2,8	5,7	53	8,5	10914095N	Δ
L109.0100.1.6	6	10	1	1,8	0,04	45°	0,04	45°	2,8	5,7	28	8,5	10914095N	Δ
L109.0100.2.6	6	15	1	1,8	0,04	45°	0,04	45°	2,8	5,7	33	8,5	10914095N	Δ
L109.0150.1.6	6	10	1,5	1,8	0,04	45°	0,04	45°	2,8	5,7	28	8,5	10914095N	Δ
L109.0150.2.6	6	15	1,5	1,8	0,04	45°	0,04	45°	2,8	5,7	33	8,5	10914095N	Δ
L109.0150.6.6	6	35	1,5	1,8	0,04	45°	0,04	45°	2,8	5,7	53	8,5	10914095N	Δ
														P ●
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A2

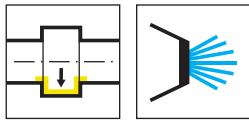
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

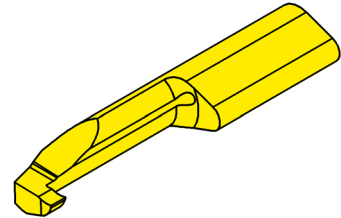
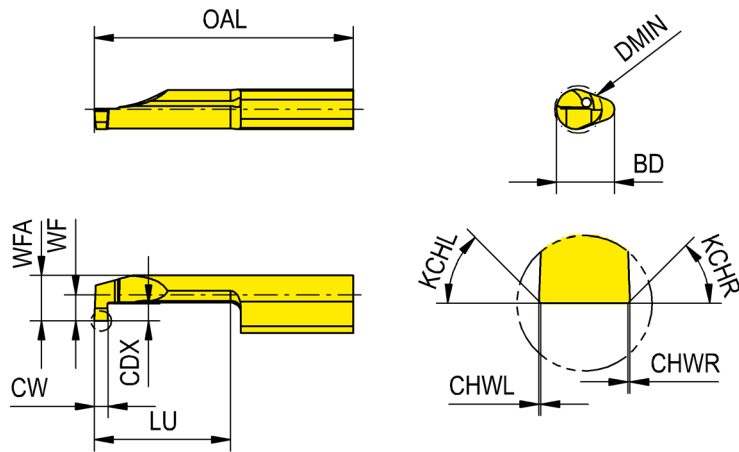
Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	CW	CDX	CHWL	KCHL	CHWR	KCHR	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.0200.1.6	6	10	2	1,8	0,04	45°	0,04	45°	2,8	5,7	28	8,5	10914095N	Δ
R109.0200.2.6	6	15	2	1,8	0,04	45°	0,04	45°	2,8	5,7	33	8,5	10914095N	Δ
R109.0200.3.6	6	20	2	1,8	0,04	45°	0,04	45°	2,8	5,7	38	8,5	10914095N	Δ
R109.0200.4.6	6	25	2	1,8	0,04	45°	0,04	45°	2,8	5,7	43	8,5	10914095N	Δ
R109.0200.5.6	6	30	2	1,8	0,04	45°	0,04	45°	2,8	5,7	48	8,5	10914095N	Δ
R109.0200.6.6	6	35	2	1,8	0,04	45°	0,04	45°	2,8	5,7	53	8,5	10914095N	▲
L109.0200.1.6	6	10	2	1,8	0,04	45°	0,04	45°	2,8	5,7	28	8,5	10914095N	Δ
L109.0200.2.6	6	15	2	1,8	0,04	45°	0,04	45°	2,8	5,7	33	8,5	10914095N	Δ
L109.0200.3.6	6	20	2	1,8	0,04	45°	0,04	45°	2,8	5,7	38	8,5	10914095N	Δ
L109.0200.4.6	6	25	2	1,8	0,04	45°	0,04	45°	2,8	5,7	43	8,5	10914095N	Δ
L109.0200.6.6	6	35	2	1,8	0,04	45°	0,04	45°	2,8	5,7	53	8,5	10914095N	Δ
														P ●
														M ●
														K -
														N -
														S -
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A2



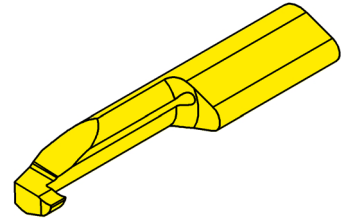
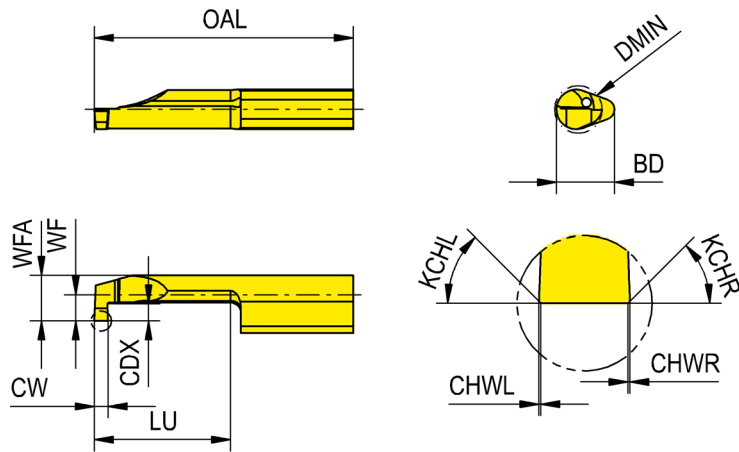
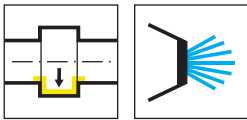
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	CW	CDX	CHWL	KCHL	CHWR	KCHR	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.0100.1.7	7	10	1	2,5	0,04	45°	0,04	45°	3,8	6,7	28	8,5	10914095N	Δ
R109.0100.2.7	7	15	1	2,5	0,04	45°	0,04	45°	3,8	6,7	33	8,5	10914095N	Δ
R109.0100.3.7	7	20	1	2,5	0,04	45°	0,04	45°	3,8	6,7	38	8,5	10914095N	Δ
R109.0100.4.7	7	25	1	2,5	0,04	45°	0,04	45°	3,8	6,7	43	8,5	10914095N	Δ
R109.0100.5.7	7	30	1	2,5	0,04	45°	0,04	45°	3,8	6,7	48	8,5	10914095N	Δ
R109.0100.6.7	7	35	1	1,8	0,04	45°	0,04	45°	3,8	6,7	53	8,5	10914095N	Δ
R109.0150.1.7	7	10	1,5	2,5	0,04	45°	0,04	45°	3,8	6,7	28	8,5	10914095N	Δ
R109.0150.2.7	7	15	1,5	2,5	0,04	45°	0,04	45°	3,8	6,7	33	8,5	10914095N	▲
R109.0150.3.7	7	20	1,5	2,5	0,04	45°	0,04	45°	3,8	6,7	38	8,5	10914095N	Δ
R109.0150.4.7	7	25	1,5	2,5	0,04	45°	0,04	45°	3,8	6,7	43	8,5	10914095N	Δ
R109.0150.5.7	7	30	1,5	2,5	0,04	45°	0,04	45°	3,8	6,7	48	8,5	10914095N	Δ
R109.0150.6.7	7	35	1,5	2,5	0,04	45°	0,04	45°	3,8	6,7	53	8,5	10914095N	Δ
L109.0100.1.7	7	10	1	2,5	0,04	45°	0,04	45°	3,8	6,7	28	8,5	10914095N	Δ
L109.0100.2.7	7	15	1	2,5	0,04	45°	0,04	45°	3,8	6,7	33	8,5	10914095N	Δ
L109.0100.4.7	7	25	1	2,5	0,04	45°	0,04	45°	3,8	6,7	43	8,5	10914095N	Δ
L109.0100.6.7	7	35	1	1,8	0,04	45°	0,04	45°	3,8	6,7	53	8,5	10914095N	Δ
L109.0150.1.7	7	10	1,5	2,5	0,04	45°	0,04	45°	3,8	6,7	28	8,5	10914095N	Δ
L109.0150.2.7	7	15	1,5	2,5	0,04	45°	0,04	45°	3,8	6,7	33	8,5	10914095N	Δ
L109.0150.4.7	7	25	1,5	2,5	0,04	45°	0,04	45°	3,8	6,7	43	8,5	10914095N	Δ
L109.0150.5.7	7	30	1,5	2,5	0,04	45°	0,04	45°	3,8	6,7	48	8,5	10914095N	Δ
L109.0150.6.7	7	35	1,5	2,5	0,04	45°	0,04	45°	3,8	6,7	53	8,5	10914095N	Δ

P	●
M	●
K	-
N	-
S	-
H	-



A2

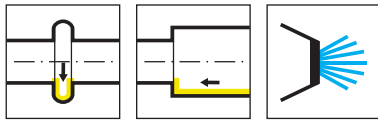
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R = right hand version shown

L = links spiegelbildlich
L = left hand version

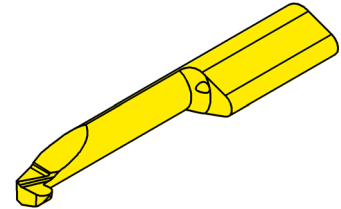
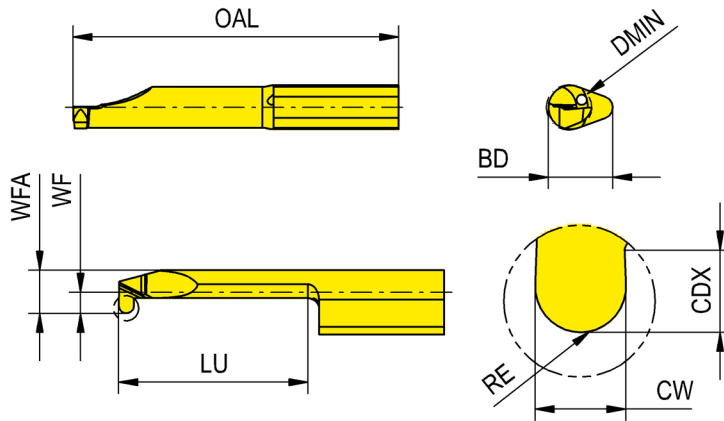
Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	CW	CDX	CHWL	KCHL	CHWR	KCHR	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.0200.1.7	7	10	2	2,5	0,04	45°	0,04	45°	3,8	6,7	28	8,5	10914095N	▲
R109.0200.2.7	7	15	2	2,5	0,04	45°	0,04	45°	3,8	6,7	33	8,5	10914095N	▲
R109.0200.3.7	7	20	2	2,5	0,04	45°	0,04	45°	3,8	6,7	38	8,5	10914095N	Δ
R109.0200.4.7	7	25	2	2,5	0,04	45°	0,04	45°	3,8	6,7	43	8,5	10914095N	Δ
R109.0200.5.7	7	30	2	2,5	0,04	45°	0,04	45°	3,8	6,7	48	8,5	10914095N	▲
R109.0200.6.7	7	35	2	2,5	0,04	45°	0,04	45°	3,8	6,7	53	8,5	10914095N	▲
L109.0200.1.7	7	10	2	2,5	0,04	45°	0,04	45°	3,8	6,7	28	8,5	10914095N	Δ
L109.0200.2.7	7	15	2	2,5	0,04	45°	0,04	45°	3,8	6,7	33	8,5	10914095N	Δ
L109.0200.3.7	7	20	2	2,5	0,04	45°	0,04	45°	3,8	6,7	38	8,5	10914095N	Δ
L109.0200.4.7	7	25	2	2,5	0,04	45°	0,04	45°	3,8	6,7	43	8,5	10914095N	Δ
L109.0200.5.7	7	30	2	2,5	0,04	45°	0,04	45°	3,8	6,7	48	8,5	10914095N	Δ
L109.0200.6.7	7	35	2	2,5	0,04	45°	0,04	45°	3,8	6,7	53	8,5	10914095N	Δ
P	●													
M	●													
K	-													
N	-													
S	-													
H	-													



A2



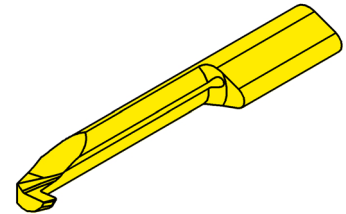
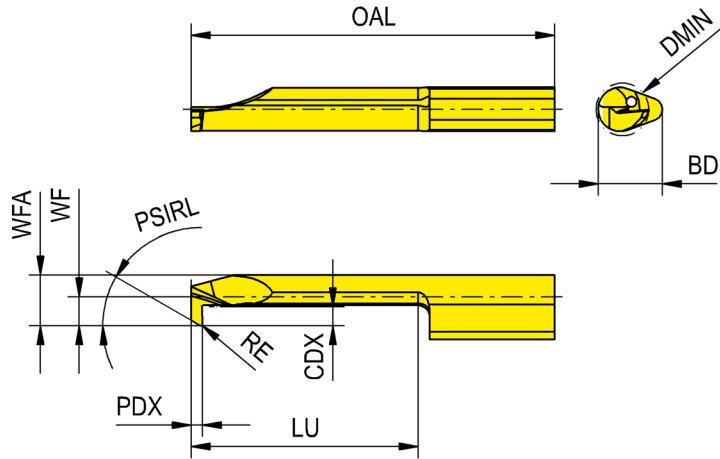
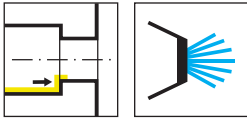
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	CW	RE	CDX	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.0005.4.6	6	25	1	0,5	1,8	2,8	5,7	43	8,5	10914095N	Δ
R109.0005.6.7	7	35	1	0,5	2,5	3,8	6,7	53	8,5	10914095N	Δ
R109.0007.4.6	6	25	1,5	0,75	1,8	2,8	5,7	43	8,5	10914095N	Δ
R109.0007.6.7	7	35	1,5	0,75	2,5	3,8	6,7	53	8,5	10914095N	Δ
R109.0010.4.6	6	25	2	1	1,8	2,8	5,7	43	8,5	10914095N	Δ
R109.0010.6.7	7	35	2	1	2,5	3,8	6,7	53	8,5	10914095N	▲
L109.0005.4.6	6	25	1	0,5	1,8	2,8	5,7	43	8,5	10914095N	Δ
L109.0005.6.7	7	35	1	0,5	2,5	3,8	6,7	53	8,5	10914095N	Δ
L109.0007.4.6	6	25	1,5	0,75	1,8	2,8	5,7	43	8,5	10914095N	Δ
L109.0007.6.7	7	35	1,5	0,75	2,5	3,8	6,7	53	8,5	10914095N	Δ
L109.0010.4.6	6	25	2	1	1,8	2,8	5,7	43	8,5	10914095N	Δ
L109.0010.6.7	7	35	2	1	2,5	3,8	6,7	53	8,5	10914095N	Δ
P	•										
M	•										
K	-										
N	-										
S	-										
H	-										



A2

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

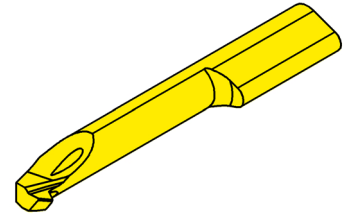
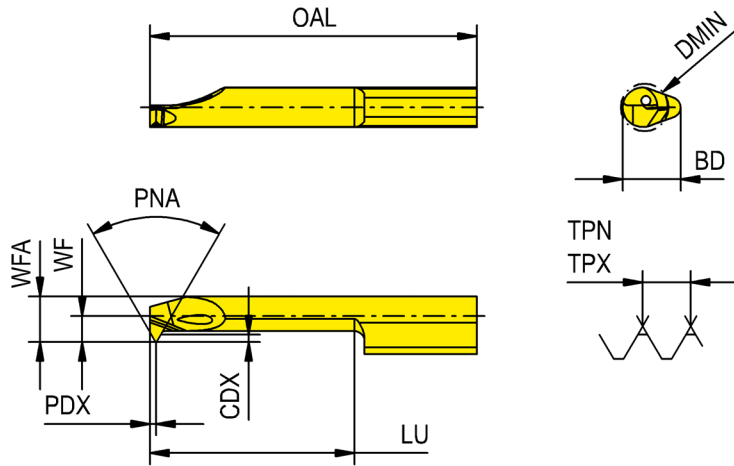
Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.3028.3.6	6	20	0,2	1,8	30°	1,5	2,8	5,7	38	8,5	10914095N	Δ
R109.3028.5.6	6	30	0,2	1,8	30°	1,5	2,8	5,7	48	8,5	10914095N	Δ
R109.3038.3.7	7	20	0,2	2,5	30°	1,5	3,8	6,7	38	8,5	10914095N	▲
R109.3038.5.7	7	30	0,2	2,5	30°	1,5	3,8	6,7	48	8,5	10914095N	▲
L109.3028.3.6	6	20	0,2	1,8	30°	1,5	2,8	5,7	38	8,5	10914095N	Δ
L109.3038.3.7	7	20	0,2	2,5	30°	1,5	3,8	6,7	38	8,5	10914095N	Δ
											P	●
											M	●
											K	-
											N	-
											S	-
											H	-



A2

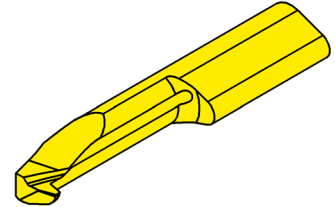
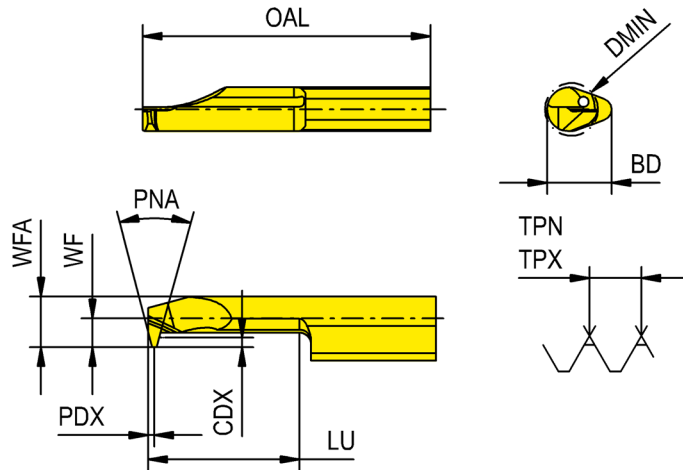
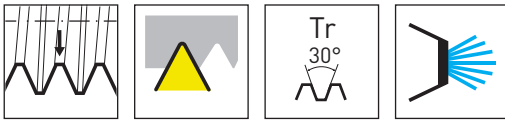


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	TPN	TPX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.0815.1.7	7	10	1,5	1,75	60°	1,1	0,9	3,8	6,7	28	8,5	10914095N	Δ
R109.0815.3.7	7	20	1,5	1,75	60°	1,1	0,9	3,8	6,7	38	8,5	10914095N	▲
R109.0815.5.7	7	30	1,5	1,75	60°	0,9	0,9	3,8	6,7	48	8,5	10914095N	▲
L109.0815.1.7	7	10	1,5	1,75	60°	1,1	0,9	3,8	6,7	28	8,5	10914095N	Δ
L109.0815.3.7	7	20	1,5	1,75	60°	1,1	0,9	3,8	6,7	38	8,5	10914095N	Δ
L109.0815.5.7	7	30	1,5	1,75	60°	0,9	0,9	3,8	6,7	48	8,5	10914095N	Δ
													P ●
													M ●
													K -
													N -
													S -
													H -



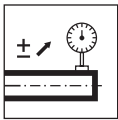
A2

R = rechts wie gezeichnet, nur Rechtsgewinde herstellbar
R = right hand version shown, only right-hand thread can be produced

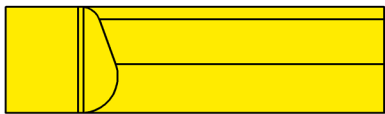
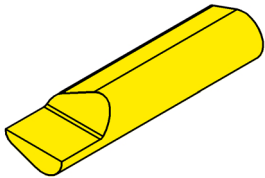
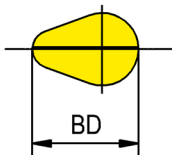
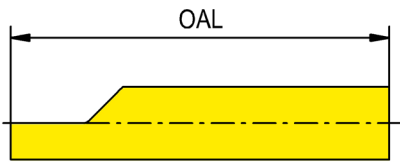
Sorten
Grades

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

Artikelnummer Part number	DMIN	LU	TPN	TPX	PNA	CDX	PDX	WF	WFA	OAL	BD	Trennstelle M Interface M	TH35
R109.0915.3.6	6	20	1,5	1,5	30°	0,9	0,6	2,8	5,7	38	8,5	10914095N	▲
R109.1220.3.6	6	20	2	2	30°	1,25	0,8	2,8	5,7	38	8,5	10914095N	▲
R109.1220.3.7	7	20	2	2	30°	1,25	0,8	3,8	6,7	38	8,5	10914095N	▲
R109.1220.5.7	7	30	2	2	30°	1,25	0,8	3,8	6,7	48	8,5	10914095N	▲
R109.1730.3.7	7	20	3	3	30°	1,75	1,2	3,8	6,7	38	8,5	10914095N	▲
													P ●
													M ●
													K -
													N -
													S -
													H -



A2

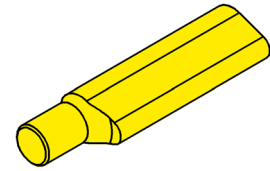
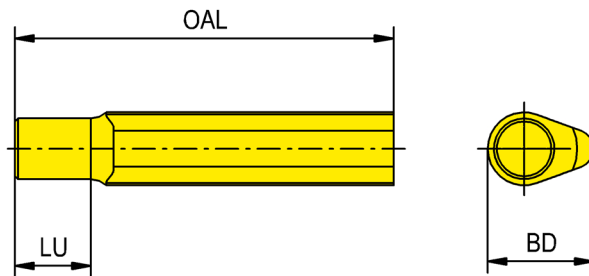
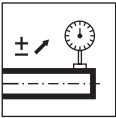


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	BD	OAL	Trennstelle M Interface M
R109.LEHR.H.01	8,5	28	10914085N
L109.LEHR.H.01	8,5	28	10914085N

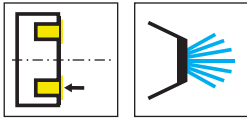
Platte zum Einrichten des Werkzeugs
Insert for tool set up



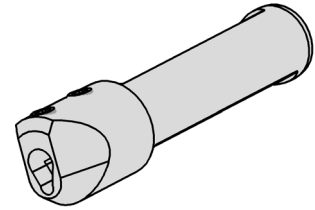
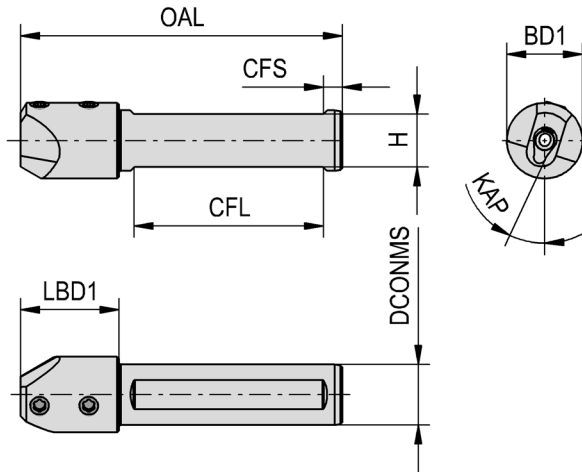
A2

Artikelnummer Part number	BD	LU	OAL	Trennstelle M Interface M
109.LEHR.D.01	8,5	5	25	10914085N

Platte zum Einrichten des Werkzeugs
Insert for tool set up



A2



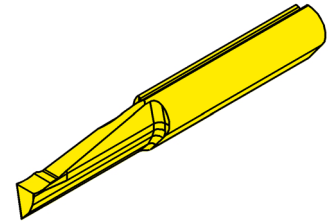
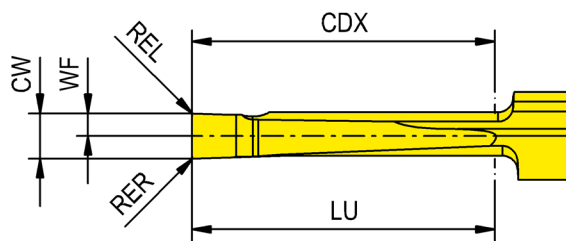
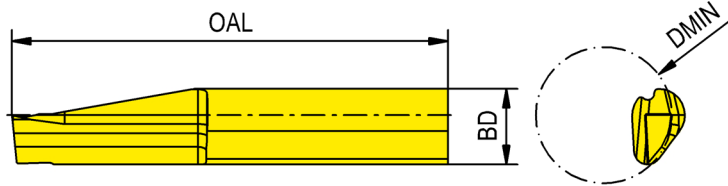
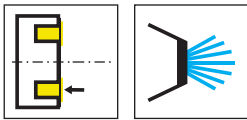
R = rechts wie gezeichnet
R = right hand version shown

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



A2

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	LU	CDX	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 DMIN 15 - 40 mm möglich!
Face grooving with full width of the full depth only possible between DMIN 15 - 40 mm!

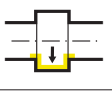
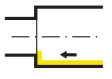
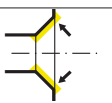
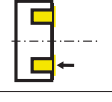
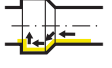
P	●
M	●
K	-
N	●
S	-
H	-

Kapitel Chapter	A			B								
	A1	A2	A3	B1	B2	B3	B4	B5	B6	B7	B8	B9
System System	105	109	110	106	107	108	10P	111	11P	114	116	18P

Ø DMIN

≥ 0,2	•											
≥ 0,5	•											
≥ 0,7	•											
≥ 1,0	•											
≥ 1,5	•											
≥ 2,0	•											
≥ 3,0	•											
≥ 4,0	•											
≥ 5,0	•											
≥ 6,0	•	•	•	•								
≥ 6,5				•								
≥ 6,8	•	•			•							
≥ 7,0	•	•			•							
≥ 7,8						•						
≥ 8,0			•		•	•						
≥ 9,0							•					
≥ 10,0			•				•	•	•			
≥ 10,5									•			
≥ 11,0								•				
≥ 11,5									•			
≥ 13,8										•		
≥ 14,0										•		
≥ 15,5											•	
≥ 16,0										•	•	
≥ 16,5										•		
≥ 17,5												•
≥ 18,0												•
≥ 20,0												•

Bearbeitung / Machining

	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•			•	•		•		•	•	
	•	•		•	•	•	•	•	•	•	•	
	•	•	•							•		
	•	•	•	•	•	•	•	•	•	•	•	•

110

A3



Klemmhalter und Schneidplatten

ab Bohrung Ø 6 mm

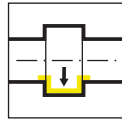
Toolholder and Inserts

from bore Ø 6 mm

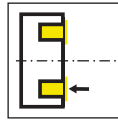
Inhaltsangabe

Summary

Klemmhalter
Toolholder
B110/B110TS/VDI/
WFB.110

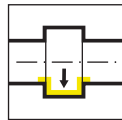


Seite/Page
201-205, 207



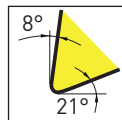
Seite/Page
215

Einstellbare Halter
Adjustable holder
N

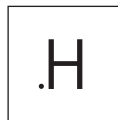


Seite/Page
206

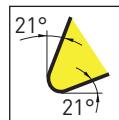
Schneidplatte
Insert
110/A110



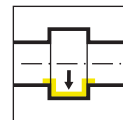
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208



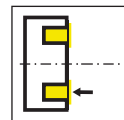
Seite/Page
209



Seite/Page
210

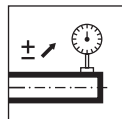


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211-212

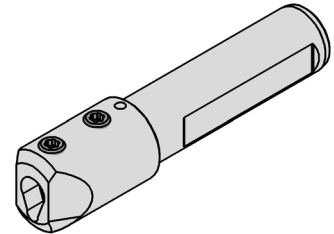
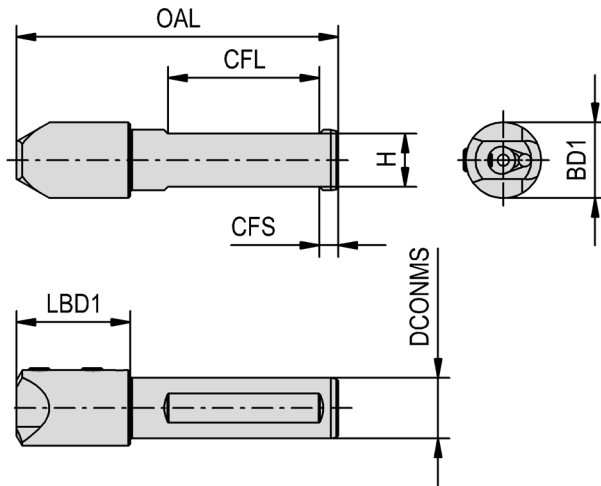
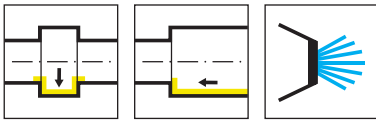


Seite/Page
216-217

Platte
Insert
110



Seite/Page
213-214

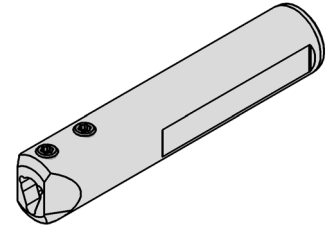
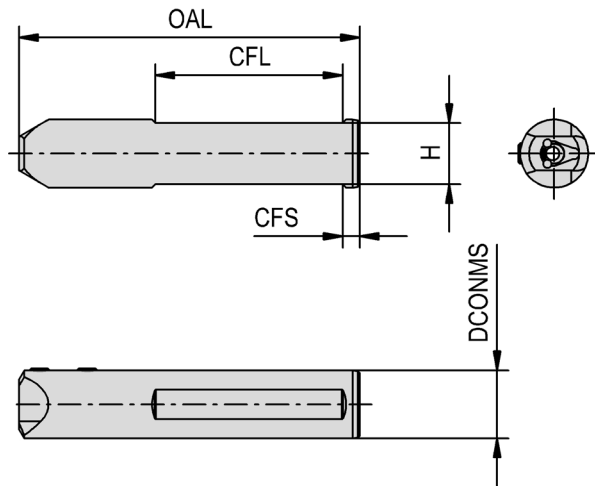
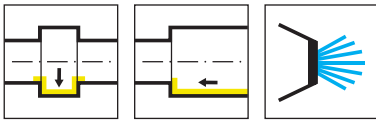


A3

Artikelnummer Part number	DCONMS	H	OAL	BD1	LBD1	CFL	CFS	Trennstelle W Interface W
B110.0016.02	16	14	100	20	30	55	5	11026095N
B110.0020.02	20	18	100	20	-	55	5	11026095N
B110.0022.02	22	20	100	22	-	55	5	11026095N
B110.0025.02	25	23	100	25	-	55	5	11026095N

Ersatzteile
Spare Parts

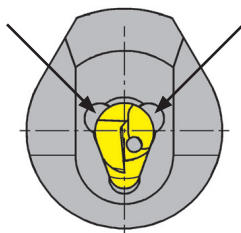
Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B110...	6.075T15P	T15PQ



A3

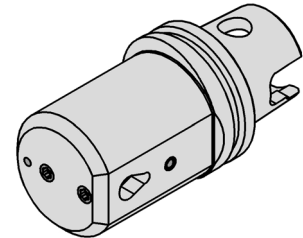
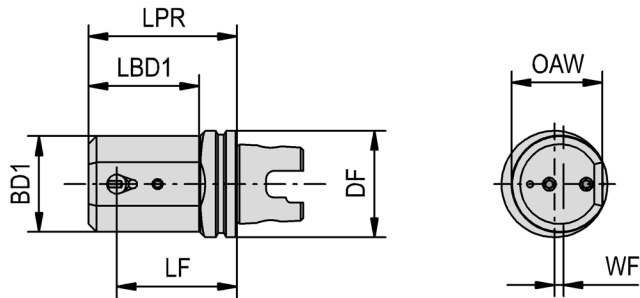
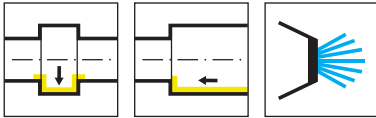
Artikelnummer Part number	DCONMS	H	OAL	CFL	CFS	Trennstelle W Interface W
B110.0020.K.02	20	18	100	55	5	11026095N

mit zusätzlichen Kühlbohrungen
with additional through coolant bores



Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B110.0020.K.02	6.075T15P	T15PQ



A3

R = rechts wie gezeichnet
R = right hand version shown

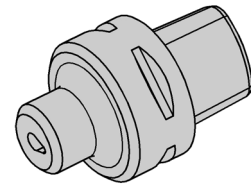
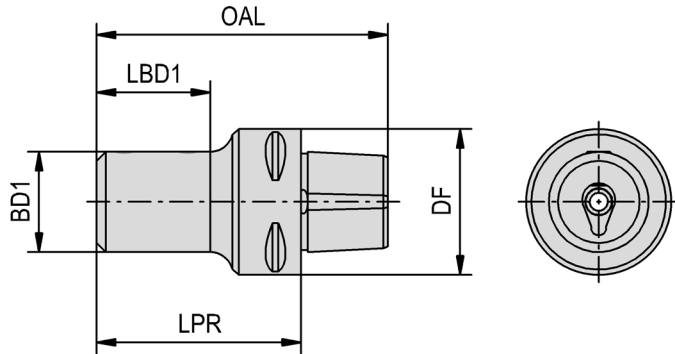
Artikelnummer Part number	DF	BD1	LBD1	OAW	WF	LPR	LF	Trennstelle W Interface W
RB110.TS40.2.2.02	40	36	44	34	2	56	45	11026095N

für INDEX Mehrspindler
for INDEX Multi spindle machines

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
RB110.TS40.2.2.02	6.075T15P	T15PQ



R = rechts wie gezeichnet
R = right hand version shown

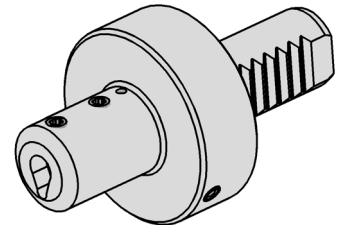
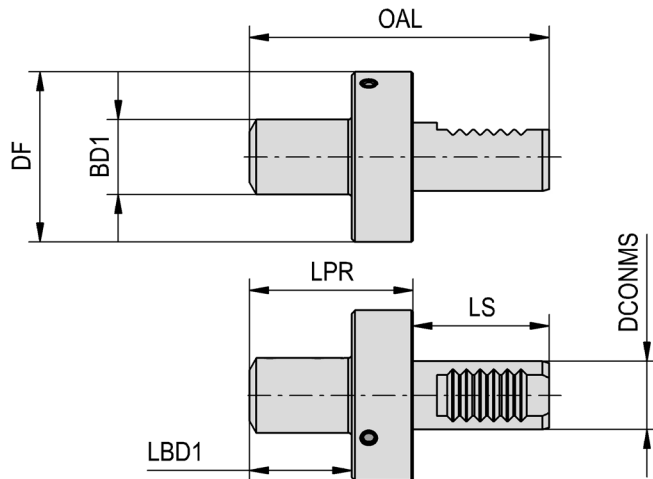
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	OAL	DF	BD1	LBD1	LPR	Trennstelle W Interface W
RB110.00C3.22.1.02	64	32	22	25	45	11026095N
RB110.00C4.22.1.02	74	40	22	25	50	11026095N
RB110.00C5.22.1.02	80	50	22	25	50	11026095N
RB110.00C6.22.1.02	90	63	22	25	52	11026095N
LB110.00C4.22.1.02	74	40	22	25	50	11026095N
LB110.00C5.22.1.02	80	50	22	25	50	11026095N
LB110.00C6.22.1.02	90	63	22	25	52	11026095N

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB110...	6.075T15P	T15PQ



A3

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	OAL	DF	LS	BD1	LBD1	LPR	Trennstelle W Interface W
VDI16.R110.30.02	16	80	40	32	22	30	48	11026095N
VDI20.R110.30.02	20	88	50	40	22	30	48	11026095N
VDI25.R110.30.02	25	88	58	48	22	30	48	11026095N
VDI30.R110.30.02	30	103	68	55	22	30	48	11026095N
VDI16.L110.30.02	16	80	40	32	22	30	48	11026095N
VDI25.L110.30.02	25	88	58	48	22	30	48	11026095N
VDI30.L110.30.02	30	103	68	55	22	30	48	11026095N
VDI40.L110.30.02	40	111	83	63	22	30	48	11026095N
VDI40.R110.30.02	40	111	83	63	22	30	48	11026095N

Ersatzteile

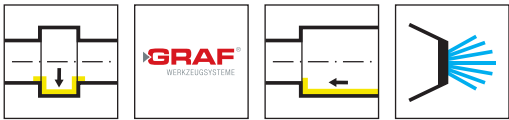
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
VDI16...	6.075T15P	T15PQ

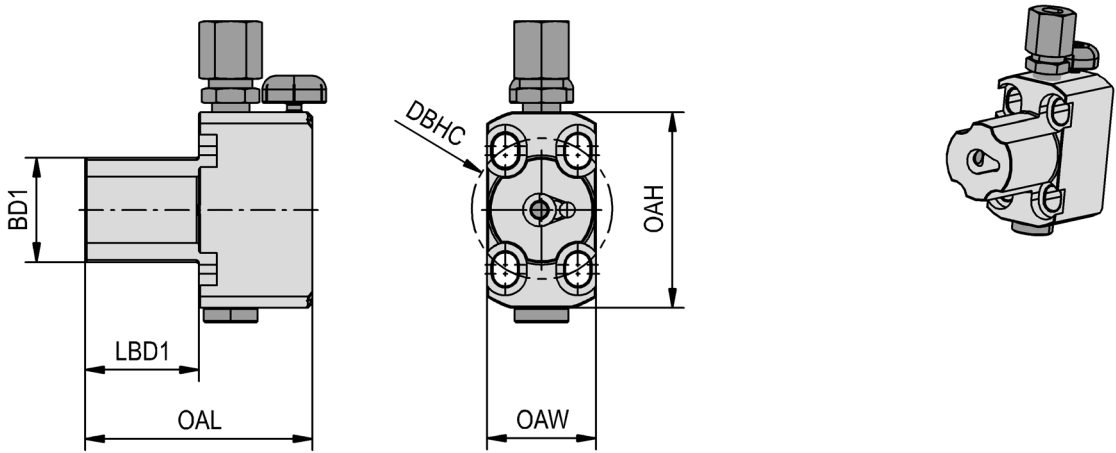
Einstellbare Halter

Adjustable holder

N



A3

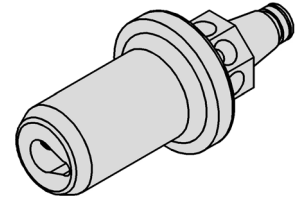
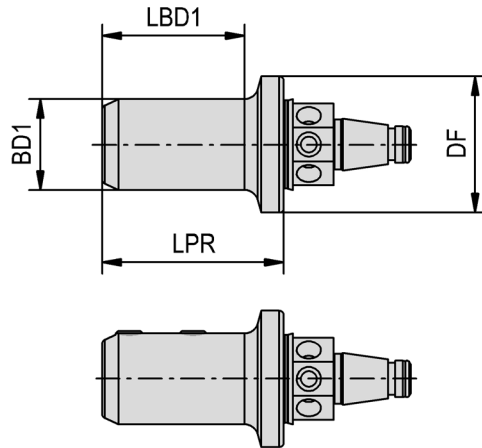
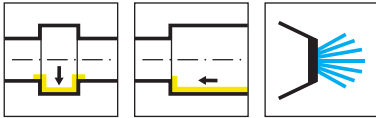


Artikelnummer Part number	OAL	BD1	LBD1	OAW	OAH	DBHC	Trennstelle M Interface M	Trennstelle W Interface W
N.79.IK	50	23	25	24	43	30,5	KERB305135	11026095N

Ersatzteile

Spare Parts

Einstellbare Halter Adjustable holder	Spannschraube Clamping Screw	Kühlmittelanschluss Coolant supply
N.79.IK	6.075T15P	004.00.19

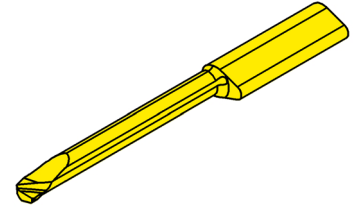
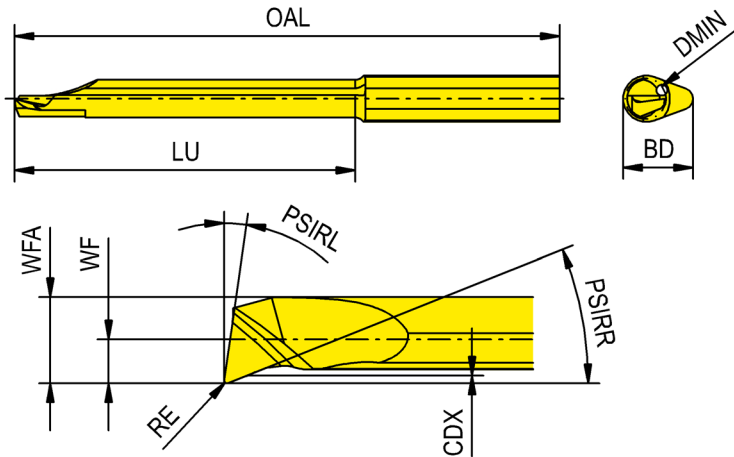
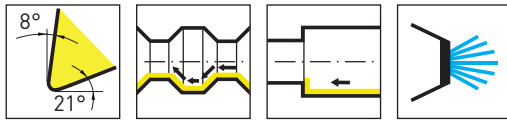


A3

Artikelnummer Part number	OAL	DF	BD1	LBD1	LPR	Trennstelle W Interface W
WFB.2H0.110	68	30	20	31,3	40	11026095N
WFB.3H0.110	81	50	20	32	40	11026095N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
WFB...	6.075T15P	T15PQ



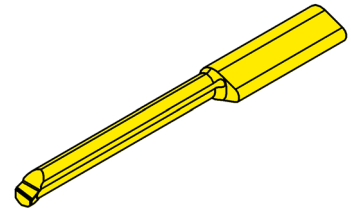
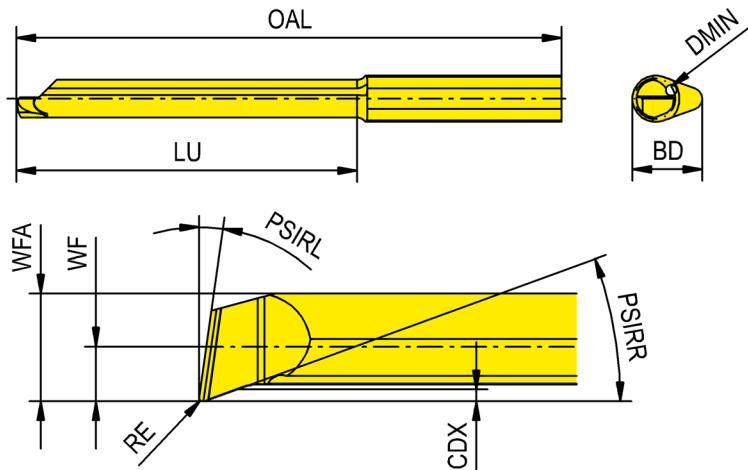
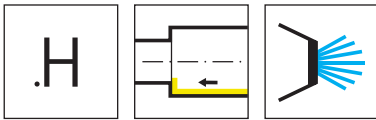
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R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TH35	T125
R110.1829.7.6	6	40	0,2	0,5	8°	21°	2,9	5,7	70	10,3	11026095N	▲	▲	▲
R110.1829.9.6	6	50	0,2	0,5	8°	21°	2,9	5,7	80	10,3	11026095N	▲	▲	▲
R110.1829.9.8	8	50	0,2	0,5	8°	21°	4	7,4	80	10,3	11026095N	▲	▲	▲
L110.1829.7.6	6	40	0,2	0,5	8°	21°	2,9	5,7	70	10,3	11026095N	▲	▲	▲
L110.1829.9.6	6	50	0,2	0,5	8°	21°	2,9	5,7	80	10,3	11026095N	▲	▲	▲
L110.1829.9.8	8	50	0,2	0,5	8°	21°	4	7,4	80	10,3	11026095N	▲	▲	▲
P	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●	●	●	●	●
N	○	○	○	○	○	○	○	○	○	○	○	○	○	○
S	-	-	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-

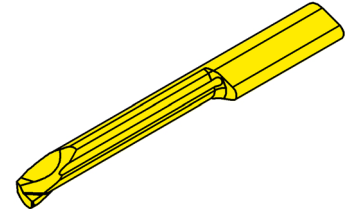
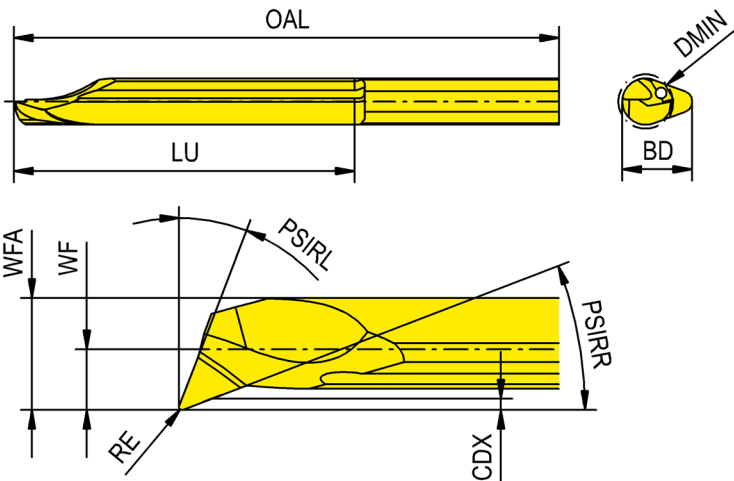
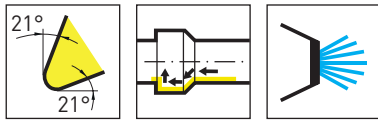


A3

R = rechts wie gezeichnet
R = right hand version shown

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PSIRL	PSIRR	WF	WFA	OAL	BD	Trennstelle M Interface M		EG35	T125
R110.1829.9.H6	6	50	0,2	0,5	8°	20°	2,9	5,7	80	10,3	11026095N		▲	▲
R110.1829.9.H8	8	50	0,2	0,5	8°	20°	4	7,4	80	10,3	11026095N		▲	▲
												P	●	●
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												K	○	-
												N	○	●
												S	-	-
												H	-	-

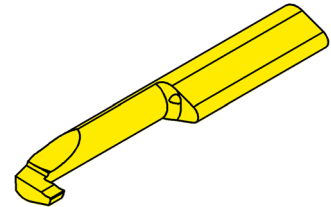
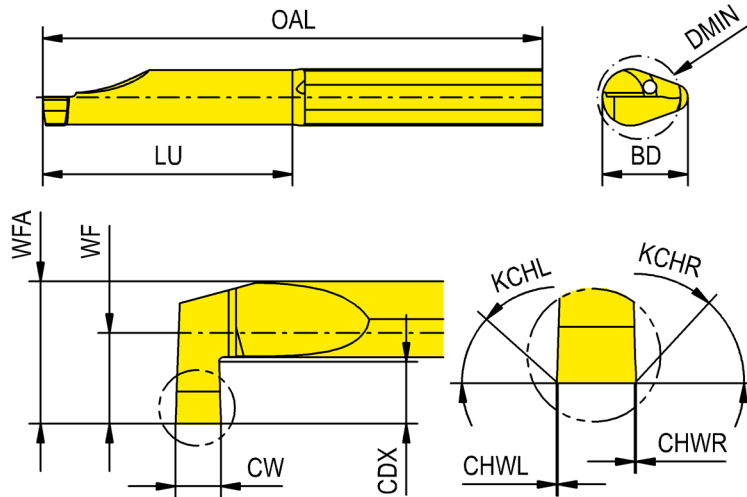
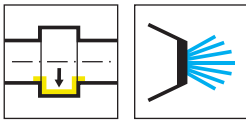


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	LU	RE	CDX	PS/RL	PS/RR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35
R110.2129.7.6	6	40	0,2	0,5	21°	21°	2,9	5,7	70	10,3	11026095N	Δ
R110.2129.9.6	6	50	0,2	0,5	21°	21°	2,9	5,7	80	10,3	11026095N	Δ
R110.2140.7.8	8	40	0,2	0,5	21°	21°	4	7,4	70	10,3	11026095N	Δ
R110.2140.9.8	8	50	0,2	0,5	21°	21°	4	7,4	80	10,3	11026095N	Δ
L110.2129.7.6	6	40	0,2	0,5	21°	21°	2,9	5,7	70	10,3	11026095N	Δ
L110.2129.9.6	6	50	0,2	0,5	21°	21°	2,9	5,7	80	10,3	11026095N	Δ
L110.2140.7.8	8	40	0,2	0,5	21°	21°	4	7,4	70	10,3	11026095N	Δ
L110.2140.9.8	8	50	0,2	0,5	21°	21°	4	7,4	80	10,3	11026095N	Δ
												P ●
												M ●
												K ●
												N o
												S -
												H -



A3

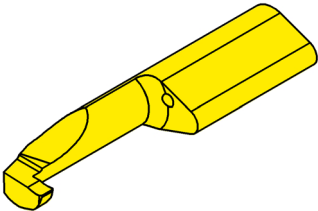
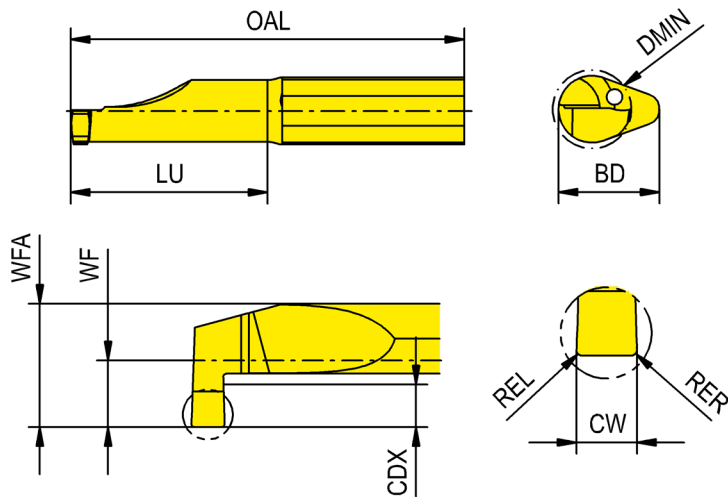
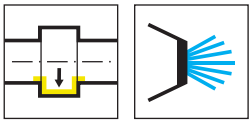
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

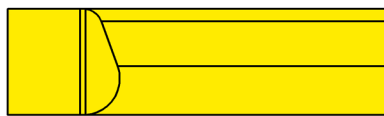
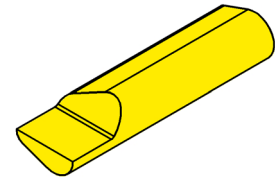
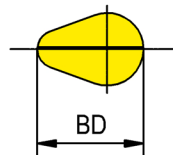
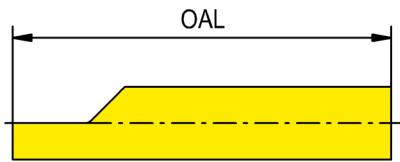
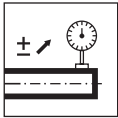
Artikelnummer Part number	DMIN	LU	CW	CDX	CHWL	KCHL	CHWR	KCHR	WF	WFA	OAL	BD	Trennstelle M Interface M	EG35	TN35
R110.0100.5.8	8	30	1	2,8	0,04	45°	0,04	45°	4	7,4	60	10,3	11026095N	▲	▲
R110.0200.5.8	8	30	2	2,8	0,04	45°	0,04	45°	4	7,4	60	10,3	11026095N	▲	▲
R110.0250.5.8	8	30	2,5	2,8	0,04	45°	0,04	45°	4	7,4	60	10,3	11026095N	▲	▲
R110.0100.7.8	8	40	1	2,8	0,04	45°	0,04	45°	4	7,4	70	10,3	11026095N	▲	▲
R110.0200.7.8	8	40	2	2,8	0,04	45°	0,04	45°	4	7,4	70	10,3	11026095N	▲	▲
R110.0250.7.8	8	40	2,5	2,8	0,04	45°	0,04	45°	4	7,4	70	10,3	11026095N	▲	▲
R110.0100.5.0	10	30	1	4	0,04	45°	0,04	45°	6	9,4	60	10,3	11026095N	▲	▲
R110.0200.5.0	10	30	2	4	0,04	45°	0,04	45°	6	9,4	60	10,3	11026095N	▲	▲
R110.0300.5.0	10	30	3	4	0,04	45°	0,04	45°	6	9,4	60	10,3	11026095N	▲	▲
R110.0100.9.0	10	50	1	4	0,04	45°	0,04	45°	6	9,4	80	10,3	11026095N	Δ	▲
R110.0200.9.0	10	50	2	4	0,04	45°	0,04	45°	6	9,4	80	10,3	11026095N	▲	▲
R110.0300.9.0	10	50	3	4	0,04	45°	0,04	45°	6	9,4	80	10,3	11026095N	▲	▲
L110.0100.5.8	8	30	1	2,8	0,04	45°	0,04	45°	4	7,4	60	10,3	11026095N	▲	▲
L110.0200.5.8	8	30	2	2,8	0,04	45°	0,04	45°	4	7,4	60	10,3	11026095N	▲	▲
L110.0250.5.8	8	30	2,5	2,8	0,04	45°	0,04	45°	4	7,4	60	10,3	11026095N	▲	▲
L110.0100.7.8	8	40	1	2,8	0,04	45°	0,04	45°	4	7,4	70	10,3	11026095N	Δ	▲
L110.0200.7.8	8	40	2	2,8	0,04	45°	0,04	45°	4	7,4	70	10,3	11026095N	▲	▲
L110.0250.7.8	8	40	2,5	2,8	0,04	45°	0,04	45°	4	7,4	70	10,3	11026095N	Δ	▲
L110.0100.5.0	10	30	1	4	0,04	45°	0,04	45°	6	9,4	60	10,3	11026095N	▲	▲
L110.0200.5.0	10	30	2	4	0,04	45°	0,04	45°	6	9,4	60	10,3	11026095N	▲	▲
L110.0300.5.0	10	30	3	4	0,04	45°	0,04	45°	6	9,4	60	10,3	11026095N	▲	▲
L110.0100.9.0	10	50	1	4	0,04	45°	0,04	45°	6	9,4	80	10,3	11026095N	Δ	Δ
L110.0200.9.0	10	50	2	4	0,04	45°	0,04	45°	6	9,4	80	10,3	11026095N	Δ	▲
L110.0300.9.0	10	50	3	4	0,04	45°	0,04	45°	6	9,4	80	10,3	11026095N	Δ	Δ
P	●	●													
M	●	-													
K	●	●													
N	o	-													
S	-	-													
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	DMIN	LU	CW	CDX	REL	RER	WF	WFA	OAL	BD	Trennstelle M Interface M		EG35	TN35
R110.0200.02.3.8	8	20	2	2,8	0,2	0,2	4	7,4	50	10,3	11026095N		▲	▲
												P	●	●
												M	●	-
												K	●	●
												N	o	-
												S	-	-
												H	-	-



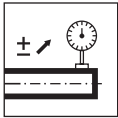
A3

R = rechts wie gezeichnet
R = right hand version shown

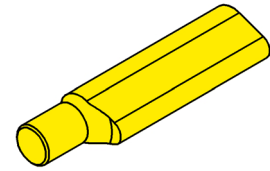
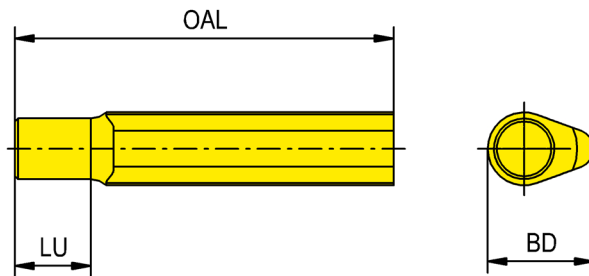
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	BD	OAL	Trennstelle M Interface M
R110.LEHR.H02	10,3	40	11026085N
L110.LEHR.H02	10,3	40	11026085N

Platte zum Einrichten des Werkzeugs
Insert for tool set up

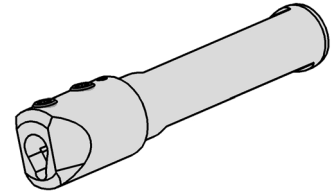
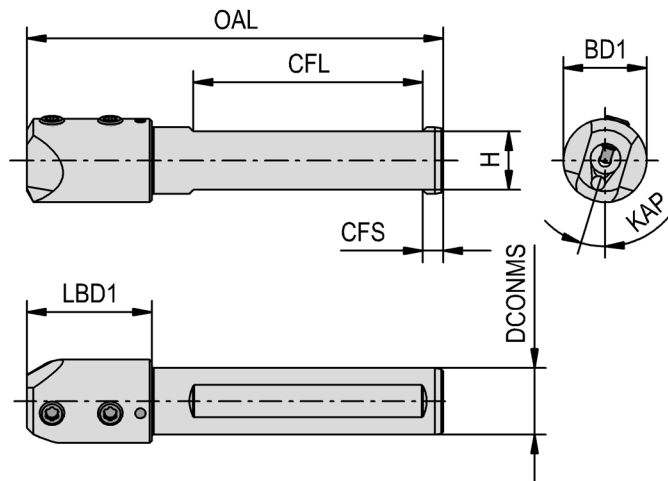
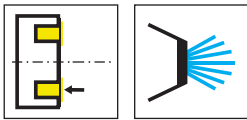


A3



Artikelnummer Part number	BD	LU	OAL	Trennstelle M Interface M
R110.0200.02.3.8	10,3	5	25	11014085N

Platte zum Einrichten des Werkzeugs
Insert for tool set up



A3

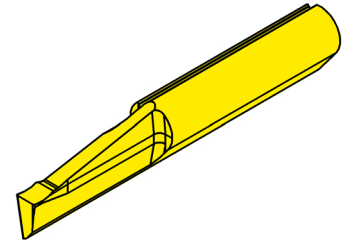
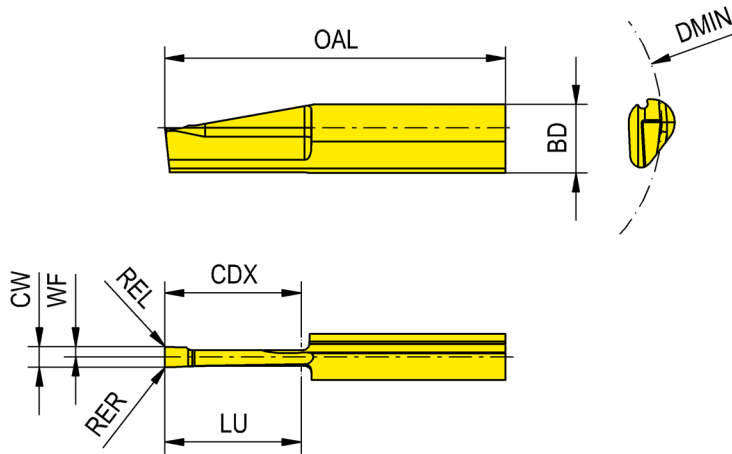
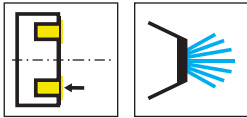
R = rechts wie gezeichnet
R = right hand version shown

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



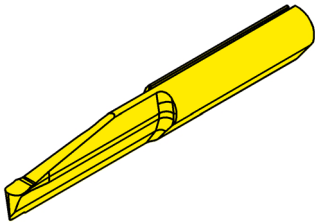
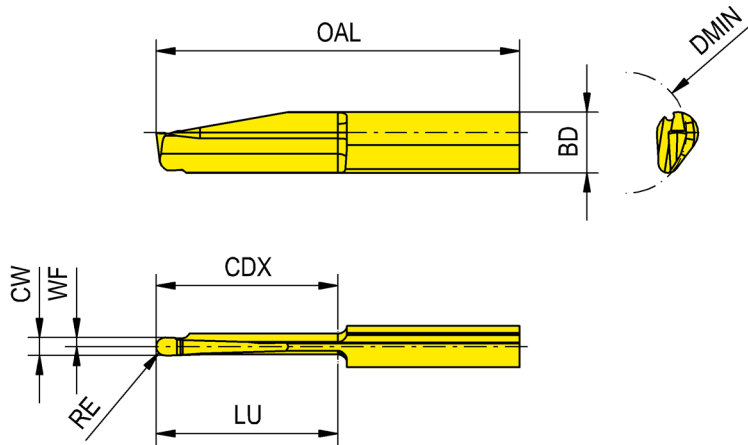
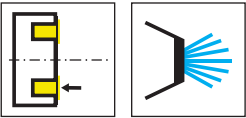
A3

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	LU	CDX	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	30	20	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	30	20	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	30	20	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	30	20	0,2	0,2	1,5	60	6,8	11026095L17	▲	▲	▲	▲
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	LU	CDX	WF	OAL	BD	Trennstelle M Interface M	EG35	TN35
RA110.2030.15.5.0	20	3	1,5	30	30	1,5	60	10	11026095R17	▲	▲
LA110.2030.15.5.0	20	3	1,5	30	30	1,5	60	10	11026095L17	▲	▲
										P	●
										M	●
										K	●
										N	o
										S	-
										H	-

A3



MINI

MINI

B

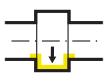
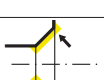
System/System	Seite/Page
106	220
107	228
108	238
10P	262
111	278
11P	304
114	322
116	362
18P	386

Kapitel Chapter	A			B								
	A1	A2	A3	B1	B2	B3	B4	B5	B6	B7	B8	B9
System System	105	109	110	106	107	108	10P	111	11P	114	116	18P

Ø DMIN

≥ 0,2	•											
≥ 0,5	•											
≥ 0,7	•											
≥ 1,0	•											
≥ 1,5	•											
≥ 2,0	•											
≥ 3,0	•											
≥ 4,0	•											
≥ 5,0	•											
≥ 6,0	•	•	•	•								
≥ 6,5				•								
≥ 6,8	•	•			•							
≥ 7,0	•	•			•							
≥ 7,8						•						
≥ 8,0			•		•	•						
≥ 9,0							•					
≥ 10,0			•				•	•	•			
≥ 10,5									•			
≥ 11,0								•				
≥ 11,5									•			
≥ 13,8										•		
≥ 14,0										•		
≥ 15,5											•	
≥ 16,0										•	•	
≥ 16,5										•		
≥ 17,5												•
≥ 18,0												•
≥ 20,0												•

Bearbeitung / Machining

	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
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106



B1

Klemmhalter und Schneidplatten

ab Bohrung Ø 6 mm

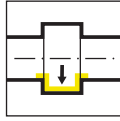
Toolholder and Inserts

from bore Ø 6 mm

Inhaltsangabe

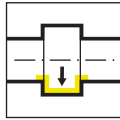
Summary

Klemmhalter
Toolholder
B106

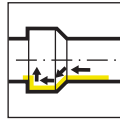


Seite/Page
223

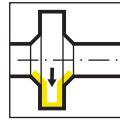
Schneidplatte
Insert
106



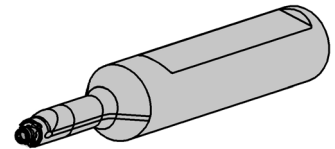
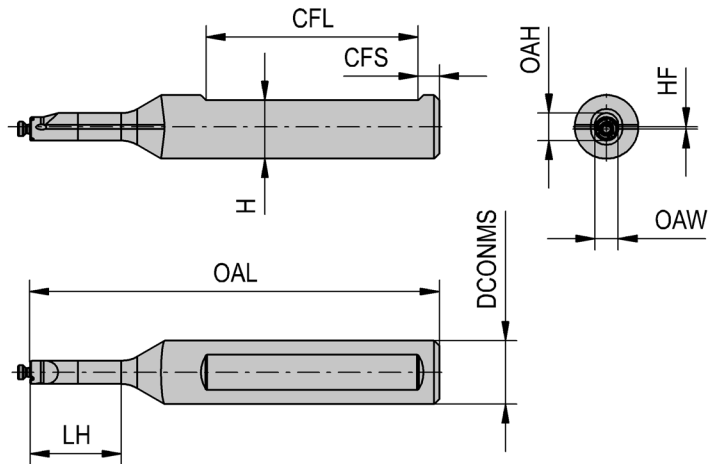
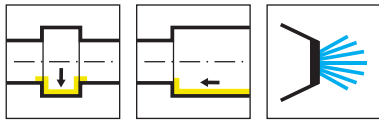
Seite/Page
224



Seite/Page
225



Seite/Page
226



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

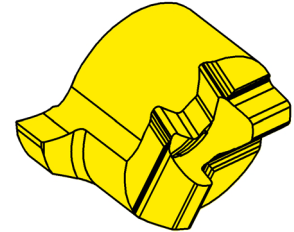
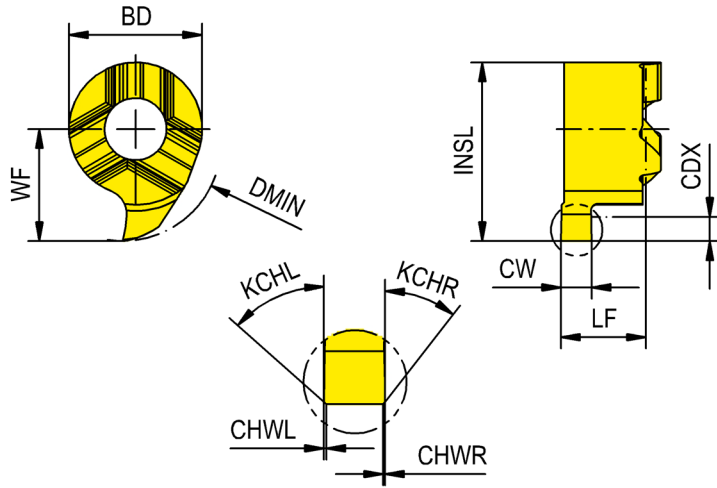
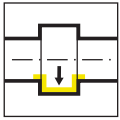
B1

Artikelnummer Part number	DCONMS	LH	OAL	CFL	H	CFS	OAH	OAW	HF	Trennstelle W Interface W
RB106.0012.01	12	11,2	67,2	40	11	4	5,2	4,4	0,4	10604484R
RB106.0012.02	12	17,2	77,2	40	11	4	5,2	4,4	0,4	10604484R
RB106.0012.03	12	23,2	87,2	45	11	4	5,2	4,4	0,4	10604484R
LB106.0012.01	12	11,2	67,2	40	11	4	5,2	4,4	0,4	10604484L
LB106.0012.02	12	17,2	77,2	40	11	4	5,2	4,4	0,4	10604484L
LB106.0012.03	12	23,2	87,2	45	11	4	5,2	4,4	0,4	10604484L

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB106...	1.8.4T6EP	T6PL

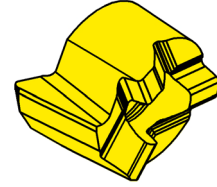
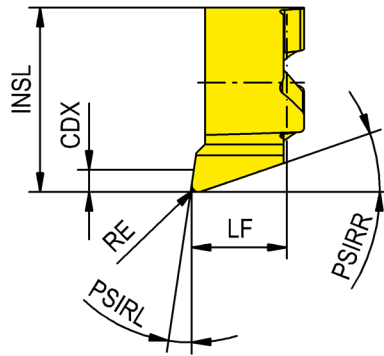
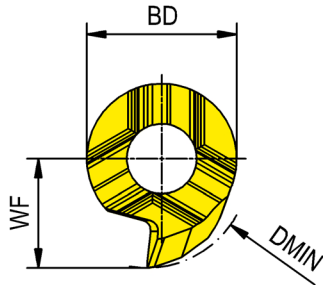
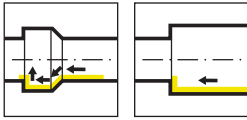


R = rechts wie gezeichnet
R = right hand version shown

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	TH35
R106.0070.2.00	6,5	0,75	0,8	0,03	45°	0,03	45°	2,8	3,7	4,4	5,9	10604484R	▲	▲
R106.0100.2.00	6,5	1,01	0,8	0,03	45°	0,03	45°	2,8	3,7	4,4	5,9	10604484R	Δ	▲
R106.0150.2.00	6,5	1,51	0,8	0,03	45°	0,03	45°	2,8	3,7	4,4	5,9	10604484R	Δ	▲
L106.0070.2.00	6,5	0,75	0,8	0,03	45°	0,03	45°	2,8	3,7	4,4	5,9	10604484L	Δ	
L106.0100.2.00	6,5	1,01	0,8	0,03	45°	0,03	45°	2,8	3,7	4,4	5,9	10604484L	Δ	
L106.0150.2.00	6,5	1,51	0,8	0,03	45°	0,03	45°	2,8	3,7	4,4	5,9	10604484L	Δ	Δ
													P	●
													M	●
													K	●
													N	-
													S	-
													H	-



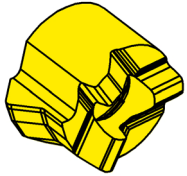
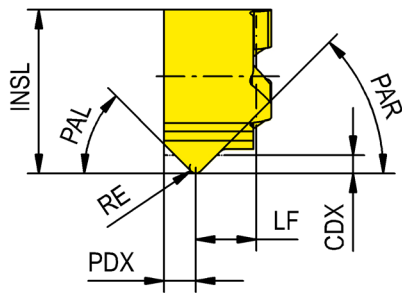
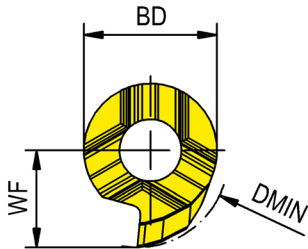
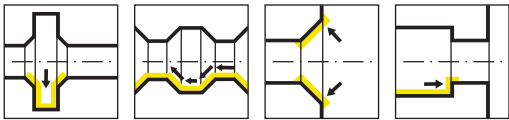
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

B1

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
R106.1831.1.005	6	0,05	0,6	8,5°	19°	2,8	3,2	4,4	5,4	10604484R	▲	▲
R106.1831.1.02	6	0,2	0,6	8,5°	19°	2,8	3,2	4,4	5,4	10604484R	▲	▲
R106.1831.1.04	6	0,4	0,6	8,5°	19°	2,8	3,2	4,4	5,4	10604484R	▲	▲
L106.1831.1.005	6	0,05	0,6	8,5°	19°	2,8	3,2	4,4	5,4	10604484L	Δ	Δ
L106.1831.1.02	6	0,2	0,6	8,5°	19°	2,8	3,2	4,4	5,4	10604484L	Δ	▲
L106.1831.1.04	6	0,4	0,6	8,5°	19°	2,8	3,2	4,4	5,4	10604484L	▲	▲
											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	RE	CDX	PAL	PAR	PDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
R106.4545.1.02	6	0,2	0,6	45°	45°	1,05	2	3,2	4,4	5,4	10604484R	▲	▲
L106.4545.1.02	6	0,2	0,6	45°	45°	1,05	2	3,2	4,4	5,4	10604484L	Δ	
												P	●
												M	●
												K	●
												N	-
												S	-
												H	-



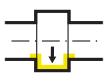
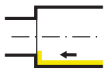
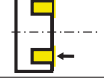
B1

Kapitel Chapter	A			B								
	A1	A2	A3	B1	B2	B3	B4	B5	B6	B7	B8	B9
System System	105	109	110	106	107	108	10P	111	11P	114	116	18P

Ø DMIN

≥ 0,2	•											
≥ 0,5	•											
≥ 0,7	•											
≥ 1,0	•											
≥ 1,5	•											
≥ 2,0	•											
≥ 3,0	•											
≥ 4,0	•											
≥ 5,0	•											
≥ 6,0	•	•	•	•								
≥ 6,5			•	•								
≥ 6,8	•	•			•							
≥ 7,0	•	•			•							
≥ 7,8						•						
≥ 8,0			•		•	•						
≥ 9,0							•					
≥ 10,0			•				•	•	•			
≥ 10,5									•			
≥ 11,0								•				
≥ 11,5									•			
≥ 13,8										•		
≥ 14,0										•		
≥ 15,5											•	
≥ 16,0										•	•	
≥ 16,5										•		
≥ 17,5												•
≥ 18,0												•
≥ 20,0												•

Bearbeitung / Machining

	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•			•	•		•		•	•	
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	•	•	•							•		
	•	•	•	•	•	•	•	•	•	•	•	•

107



B2

Klemmhalter und Schneidplatten

ab Bohrung Ø 6,8 mm

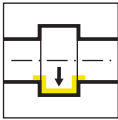
Toolholder and Inserts

from bore Ø 6,8 mm

Inhaltsangabe

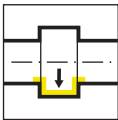
Summary

Klemmhalter
Toolholder
B107

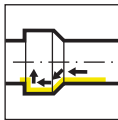


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231

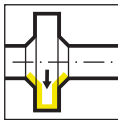
Schneidplatte
Insert
107



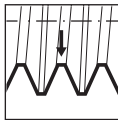
Seite/Page
232-233



Seite/Page
235

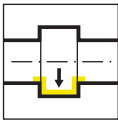


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236

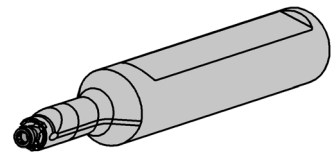
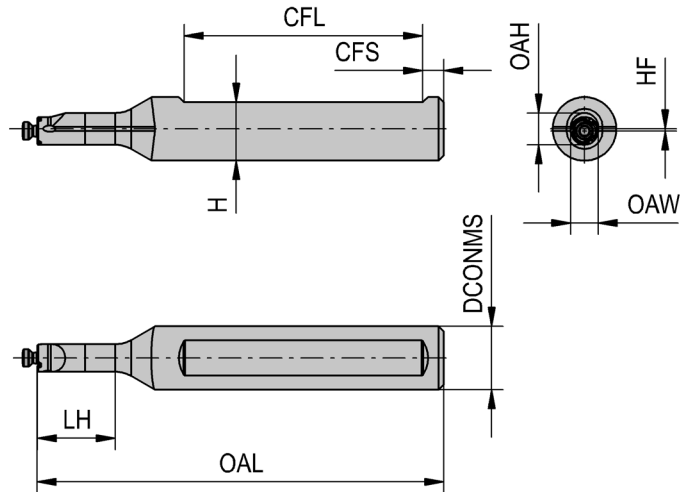
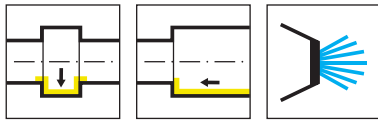


Seite/Page
237

107



Seite/Page
234



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

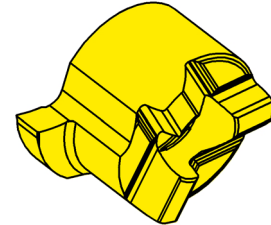
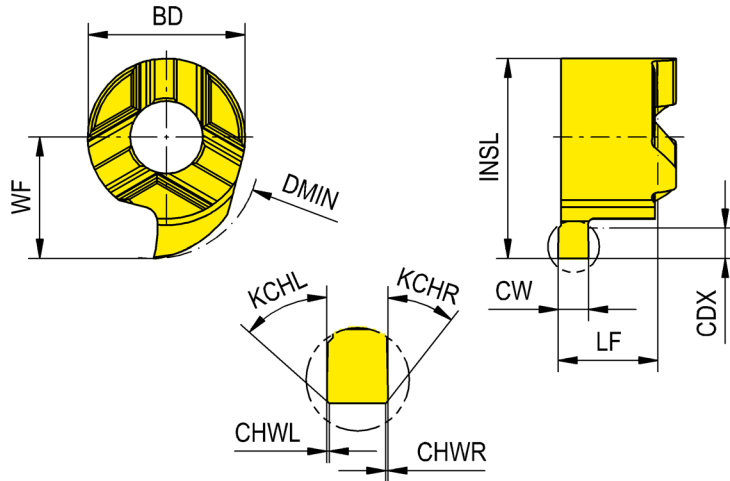
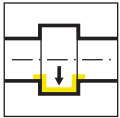
Artikelnummer Part number	DCONMS	LH	OAL	CFL	H	CFS	OAH	OAW	HF	Trennstelle W Interface W
RB107.0012.01	12	14,7	76,7	45	11	4	6	5,2	0,4	10705284R
RB107.0012.02	12	22,7	86,7	45	11	4	6	5,2	0,4	10705284R
RB107.0012.03	12	32,7	96,7	45	11	4	6	5,2	0,4	10705284R
LB107.0012.01	12	14,7	76,7	45	11	4	6	5,2	0,4	10705284L
LB107.0012.02	12	22,7	86,7	45	11	4	6	5,2	0,4	10705284L
LB107.0012.03	12	32,7	96,7	45	11	4	6	5,2	0,4	10705284L

B2

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB107...	2.2.5T7EP	T7PL



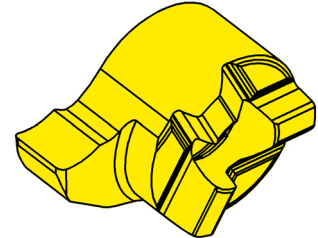
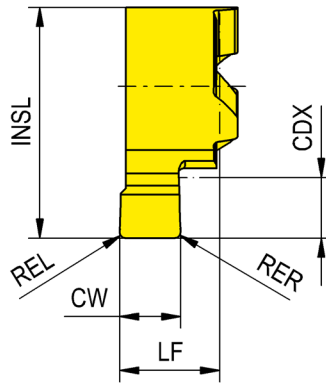
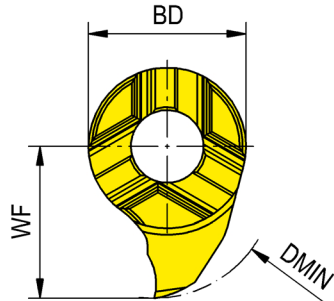
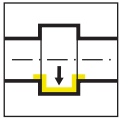
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

B2

Artikelnummer Part number	DMIN	CW	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
R107.0100.1.00	7	1,01	1	0,03	45°	0,03	45°	3,3	4	5,2	6,6	10705284R	▲	▲
R107.0150.1.00	7	1,51	1	0,03	45°	0,03	45°	3,3	4	5,2	6,6	10705284R	▲	▲
L107.0100.1.00	7	1,01	1	0,03	45°	0,03	45°	3,3	4	5,2	6,6	10705284L	Δ	Δ
L107.0150.1.00	7	1,51	1	0,03	45°	0,03	45°	3,3	4	5,2	6,6	10705284L	Δ	▲
													P	●
													M	●
													K	●
													N	-
													S	-
													H	-

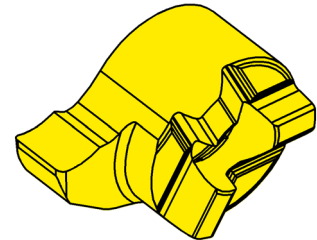
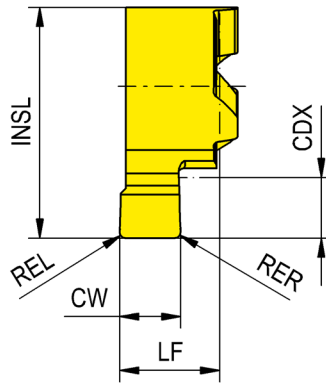
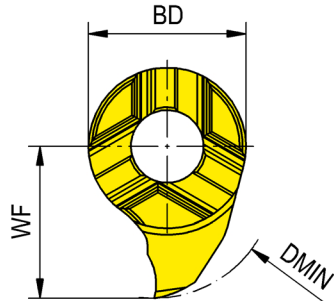
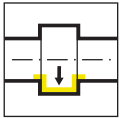


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
R107.0150.2.01	8	1,51	2	0,1	0,1	3,3	5	5,2	7,6	10705284R	▲	▲
R107.0200.2.02	8	2,01	2	0,2	0,2	3,3	5	5,2	7,6	10705284R	▲	▲
L107.0150.2.01	8	1,51	2	0,1	0,1	3,3	5	5,2	7,6	10705284L	Δ	▲
L107.0200.2.02	8	2,01	2	0,2	0,2	3,3	5	5,2	7,6	10705284L	Δ	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

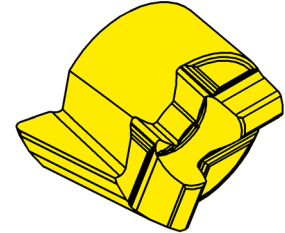
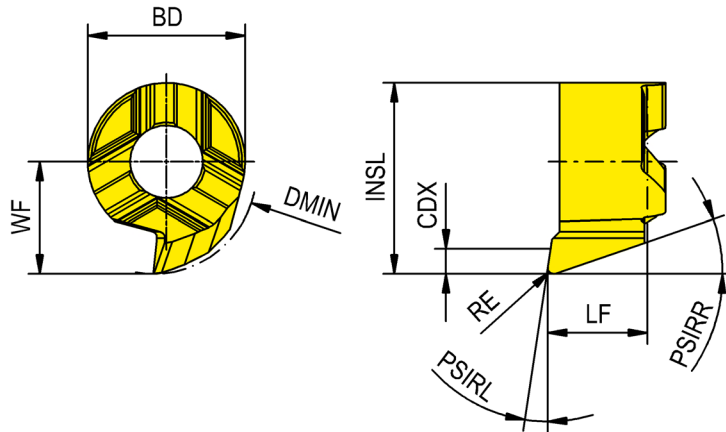
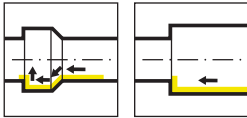


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	LF	WF	BD	INSL	Trennstelle M Interface M		EG55	TH35
R107.0100.2.00	8	1,01	2	3,3	5	5,2	7,6	10705284R	▲	▲	▲
R107.0100.2.00	8	1,01	2	3,3	5	5,2	7,6	10705284R	▲	▲	▲
L107.0100.2.00	8	1,01	2	3,3	5	5,2	7,6	10705284L	Δ	Δ	Δ
L107.0100.2.00	8	1,01	2	3,3	5	5,2	7,6	10705284L	Δ	Δ	Δ
									P	●	●
									M	●	●
									K	●	-
									N	-	-
									S	-	-
									H	-	-

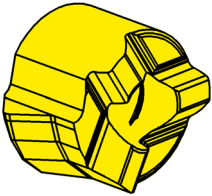
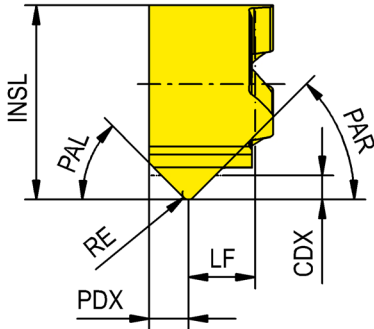
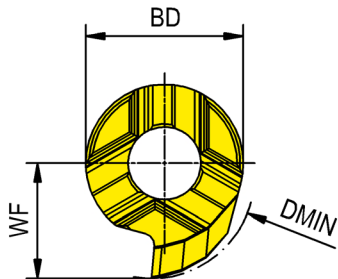
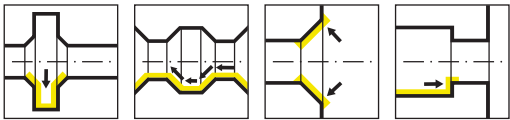


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
R107.1837.02	6,8	0,2	0,8	8,5°	19°	3,3	3,7	5,2	6,3	10705284R	▲	▲
R107.1837.04	6,8	0,4	0,8	8,5°	19°	3,3	3,7	5,2	6,3	10705284R	▲	▲
L107.1837.02	6,8	0,2	0,8	8,5°	19°	3,3	3,7	5,2	6,3	10705284L	▲	▲
L107.1837.04	6,8	0,4	0,8	8,5°	19°	3,3	3,7	5,2	6,3	10705284L	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

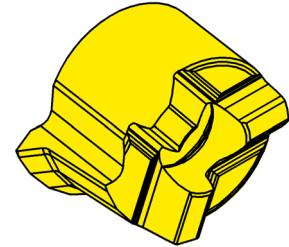
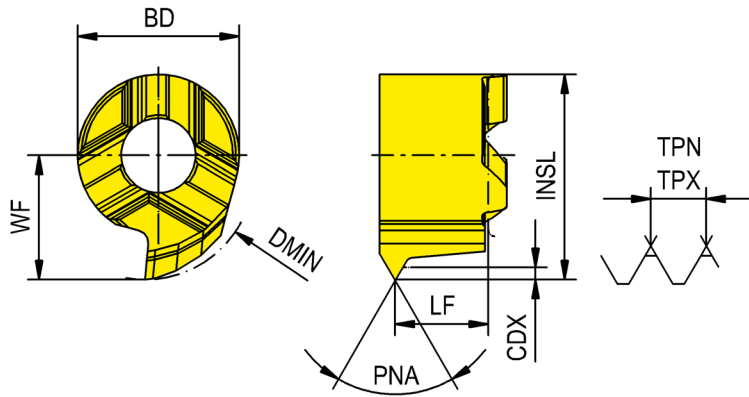


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PAL	PAR	PDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
R107.4545.1.02	6,8	0,2	0,8	45°	45°	1,3	2,2	3,8	5,2	6,4	10705284R	▲	▲
L107.4545.1.02	6,8	0,2	0,8	45°	45°	1,3	2,2	3,8	5,2	6,4	10705284L	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	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INS	Trennstelle M Interface M	EG55	TH35
R107.0205.1.01	7	0,5	0,75	60°	0,4	3	4	5,2	6,6	10705284R	Δ	▲
R107.0510.1.01	7	1	1,25	60°	0,7	2,8	4	5,2	6,6	10705284R	▲	▲
R107.0815.1.01	7	1,5	1,75	60°	1	2,6	4	5,2	6,6	10705284R	▲	▲
L107.0205.1.01	7	0,5	0,75	60°	0,4	3	4	5,2	6,6	10705284L	Δ	Δ
L107.0510.1.01	7	1	1,25	60°	0,7	2,8	4	5,2	6,6	10705284L	Δ	▲
L107.0815.1.01	7	1,5	1,75	60°	1	2,6	4	5,2	6,6	10705284L	Δ	Δ
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

Kapitel Chapter	A			B								
	A1	A2	A3	B1	B2	B3	B4	B5	B6	B7	B8	B9
System System	105	109	110	106	107	108	10P	111	11P	114	116	18P

Ø DMIN

≥ 0,2	•											
≥ 0,5	•											
≥ 0,7	•											
≥ 1,0	•											
≥ 1,5	•											
≥ 2,0	•											
≥ 3,0	•											
≥ 4,0	•											
≥ 5,0	•											
≥ 6,0	•	•	•	•								
≥ 6,5				•								
≥ 6,8	•	•			•							
≥ 7,0	•	•			•							
≥ 7,8						•						
≥ 8,0			•		•	•						
≥ 9,0							•					
≥ 10,0			•				•	•	•			
≥ 10,5									•			
≥ 11,0								•				
≥ 11,5									•			
≥ 13,8										•		
≥ 14,0										•		
≥ 15,5											•	
≥ 16,0										•	•	
≥ 16,5										•		
≥ 17,5												•
≥ 18,0												•
≥ 20,0												•

Bearbeitung / Machining

	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•			•	•		•		•	•	
	•	•		•	•	•	•	•	•	•	•	
	•	•	•							•		
	•	•	•	•	•	•	•	•	•	•	•	•

108



B3

Klemmhalter und Schneidplatten

ab Bohrung Ø 7,8 mm

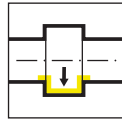
Toolholder and Inserts

from bore Ø 7,8 mm

Inhaltsangabe

Summary

Klemmhalter
Toolholder
B108



Seite/Page
241

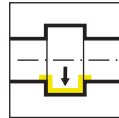
Schneidplatte
Insert
108/S108



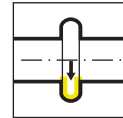
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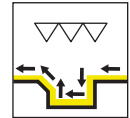
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244



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245



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246



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247



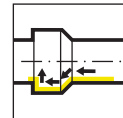
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248



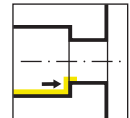
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249



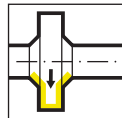
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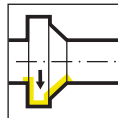
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251-253



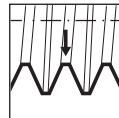
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254



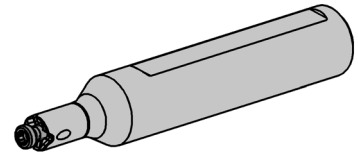
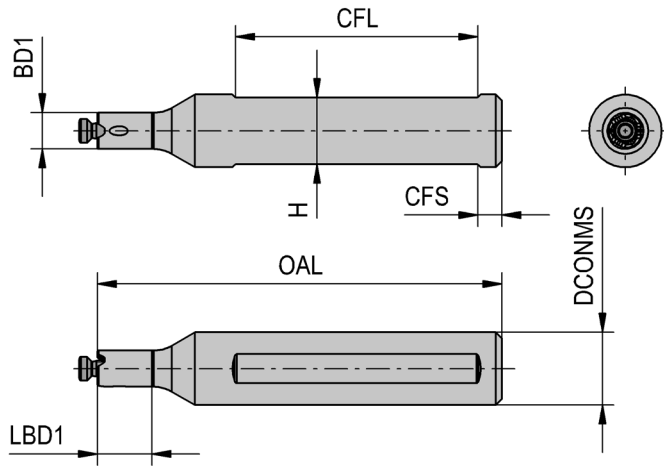
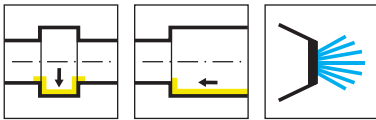
Seite/Page
255



Seite/Page
256



Seite/Page
257-261



Artikelnummer Part number	DCONMS	LBD1	OAL	CFL	H	CFS	BD1	Trennstelle W Interface W
B108.0006.01A	6	25,8	61,8	-	-	-	6	10806084N
B108.0008.00	8	9	56,8	35	7	4	6	10806084N
B108.0008.01	8	17,8	66,8	40	7	4	6	10806084N
B108.0012.00	12	9,3	66,8	40	11	4	6	10806084N
B108.0012.01	12	17,8	76,8	45	11	4	6	10806084N
B108.0012.02	12	26,8	86,8	45	11	4	6	10806084N
B108.0012.03	12	38,8	96,8	40	11	4	6	10806084N

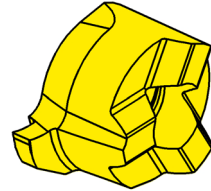
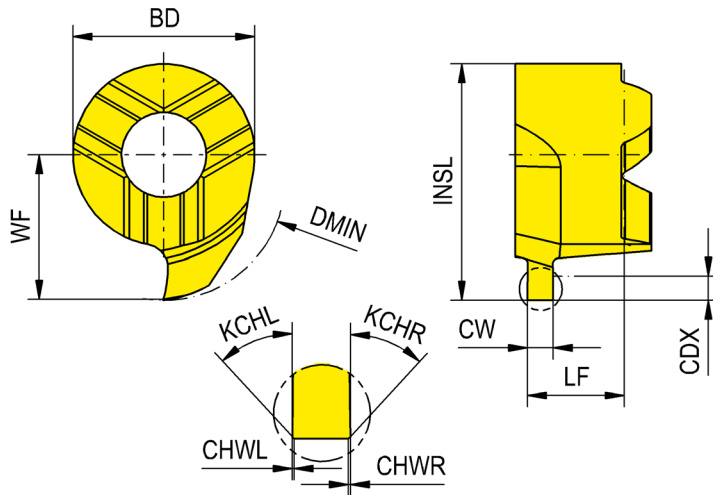
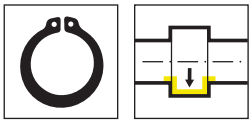
B108.0006.01A ohne Spannflächen
B108.0006.01A without clamping flats

B3

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B108...	2.6.5T8EP	T8PL

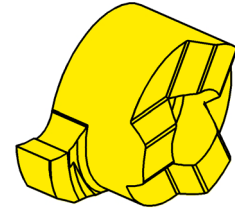
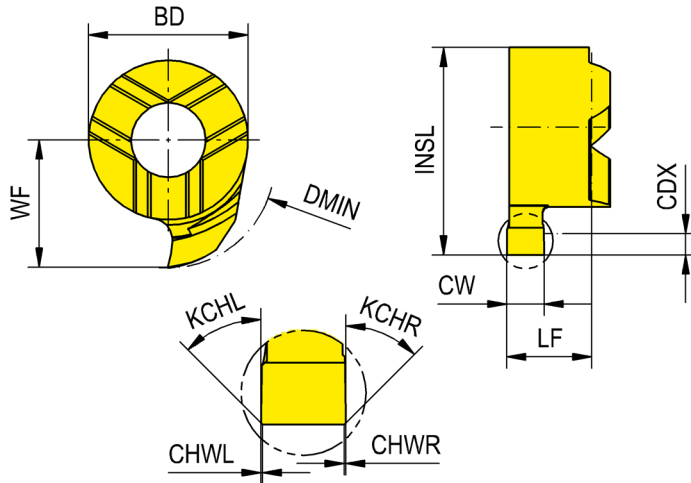
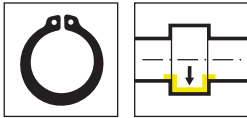


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	RTRG	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R108.0070.00	8	0,74	0,7	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N	▲	▲	▲
R108.0080.00	8	0,84	0,8	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N	▲	▲	▲
R108.0090.00	8	0,94	0,9	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N	▲	▲	▲
L108.0070.00	8	0,74	0,7	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N	Δ	▲	▲
L108.0080.00	8	0,84	0,8	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N	Δ	Δ	▲
L108.0090.00	8	0,94	0,9	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N	Δ	▲	▲
Zapfenausführung not face cutting, limited depth of cut														P	●	●
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472														M	●	●
														K	●	●
														N	-	-
														S	-	-
														H	-	-

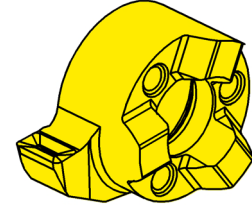
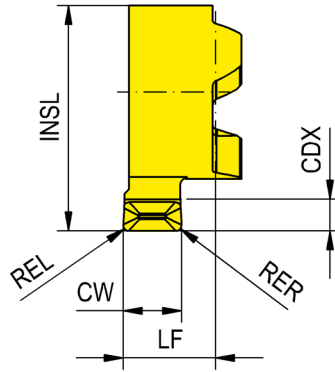
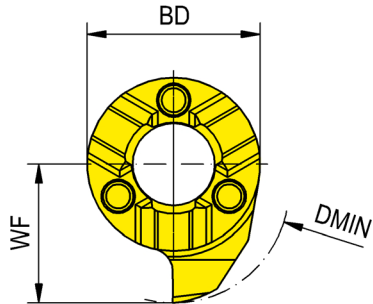
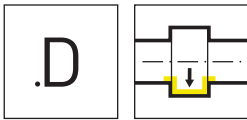


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R = right hand version shown

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L = left hand version

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

Artikelnummer Part number	DMIN	CW	RTRG	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R108.0110.00	8	1,19	1,1	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N	▲	▲	▲
R108.0130.00	8	1,39	1,3	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N	▲	▲	▲
R108.0160.00	8	1,69	1,6	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N	Δ	▲	▲
L108.0110.00	8	1,19	1,1	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N	Δ	▲	▲
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472														P	●	●
														M	●	-
														K	●	-
														N	-	-
														S	-	-
														H	-	-

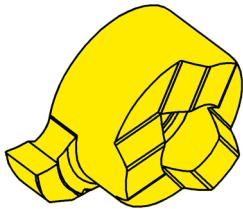
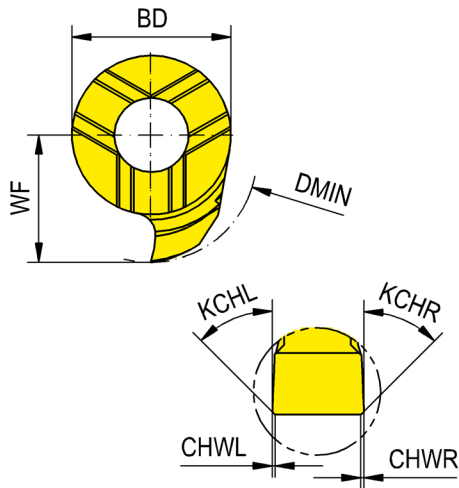
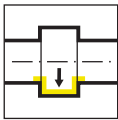


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R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS108.0100.D1	8	1,01	1	0,1	0,1	3,2	4,8	6	7,8	10806084R	▲	▲
RS108.0150.D1	8	1,51	1	0,1	0,1	3,2	4,8	6	7,8	10806084N	▲	▲
RS108.0200.D2	8	2,01	1	0,2	0,2	3,2	4,8	6	7,8	10806084N	▲	▲
LS108.0100.D1	8	1,01	1	0,1	0,1	3,2	4,8	6	7,8	10806084N	Δ	▲
LS108.0150.D1	8	1,51	1	0,1	0,1	3,2	4,8	6	7,8	10806084N	Δ	Δ
LS108.0200.D2	8	2,01	1	0,2	0,2	3,2	4,8	6	7,8	10806084N	Δ	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-



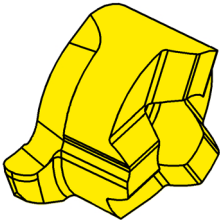
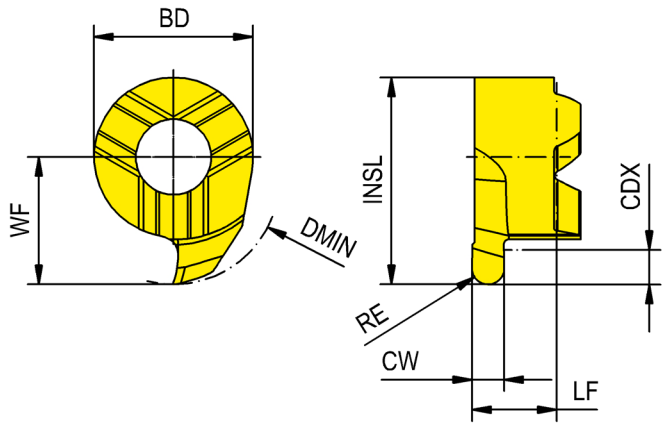
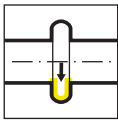
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R108.0150.00	8	1,5	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N	▲	▲	▲
R108.0200.00	8	2	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N	▲	▲	▲
L108.0150.00	8	1,5	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N		Δ	▲
L108.0200.00	8	2	1	0,03	45°	0,03	45°	3,2	4,8	6	7,8	10806084N		▲	▲
P	●	●	●												
M	●	●	●												
K	●	●	●												
N	-	-	-												
S	-	-	-												
H	-	-	-												

B3

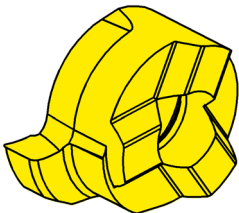
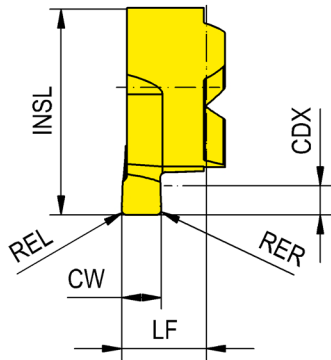
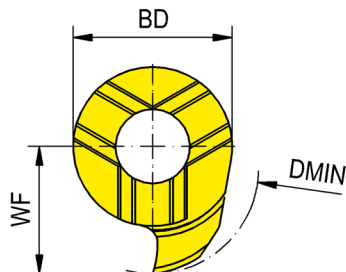
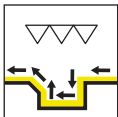


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	RE	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R108.0004.08	8	0,81	0,4	1	3,2	4,8	6	7,8	10806084N	▲	▲	▲
R108.0006.12	8	1,21	0,6	1	3,2	4,8	6	7,8	10806084N	▲	▲	▲
R108.0009.18	8	1,81	0,9	1	3,2	4,8	6	7,8	10806084N	▲	▲	▲
L108.0004.08	8	0,81	0,4	1	3,2	4,8	6	7,8	10806084N	▲	▲	▲
L108.0006.12	8	1,21	0,6	1	3,2	4,8	6	7,8	10806084N	▲	▲	▲
L108.0009.18	8	1,81	0,9	1	3,2	4,8	6	7,8	10806084N	▲	▲	▲
P	●	●	●									
M	●	●	●									
K	●	●	●									
N	-	-	-									
S	-	-	-									
H	-	-	-									



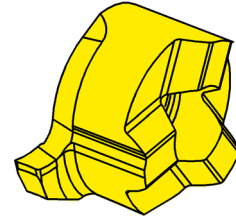
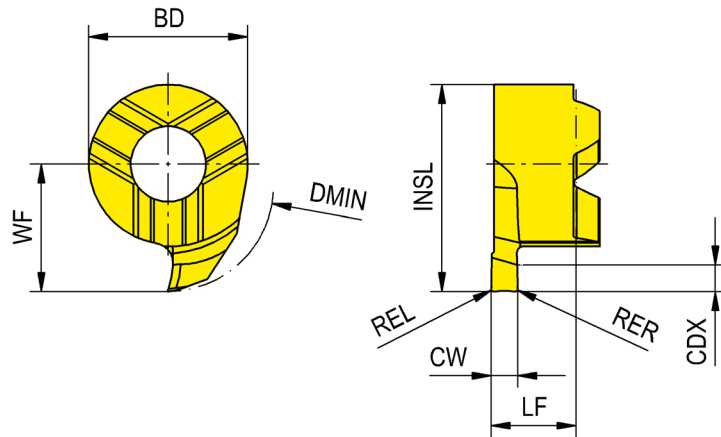
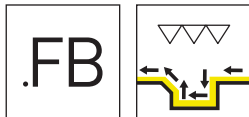
R = rechts wie gezeichnet
R = right hand version shown

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	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M		EG55	TH35	TI25	TN35
R108.0150.02	8	1,5	1	0,2	0,2	3,2	4,8	6	7,8	10806084N		▲	▲	▲	▲
L108.0150.02	8	1,5	1	0,2	0,2	3,2	4,8	6	7,8	10806084N		▲	▲	Δ	▲
												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	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG35
R108.FB10.01	8	1	1	0,1	0,1	3,2	4,8	6	7,8	10806084N	▲
R108.FB15.01	8	1,5	1	0,1	0,1	3,2	4,8	6	7,8	10806084N	▲
L108.FB10.01	8	1	1	0,1	0,1	3,2	4,8	6	7,8	10806084N	▲
L108.FB15.01	8	1,5	1	0,1	0,1	3,2	4,8	6	7,8	10806084N	▲
											P ●
											M ●
											K ●
											N o
											S -
											H -

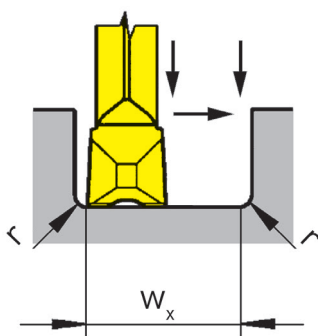
Berechnung der kleinstmöglichen Nutbreite w_x : Calculation of the smallest possible width of groove w_x :

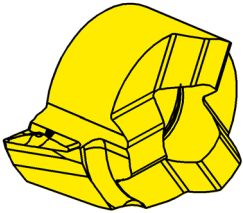
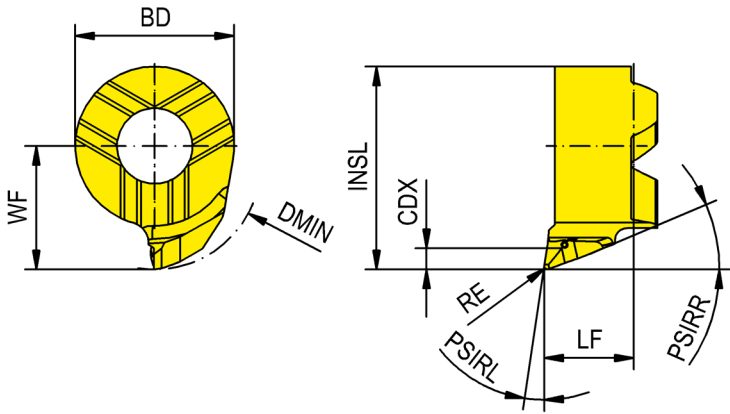
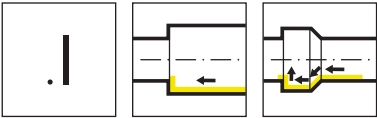
Beispiel R108.FB10.01
Example

$w_x = 2 \cdot \text{Schneidbreite CW (1 mm)} - 2 \cdot \text{Eckenradius r (0,1 mm, entspricht REL und RER der Schneidplatte)}$
2 · width of groove CW (1 mm) - 2 · corner radius r (0,1 mm, corresponds to the REL and RER of the insert)

$w_x = (2 \cdot 1 \text{ mm}) - (2 \cdot 0,1 \text{ mm})$

$w_x = 1,8 \text{ mm}$

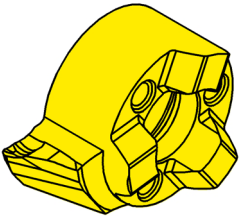
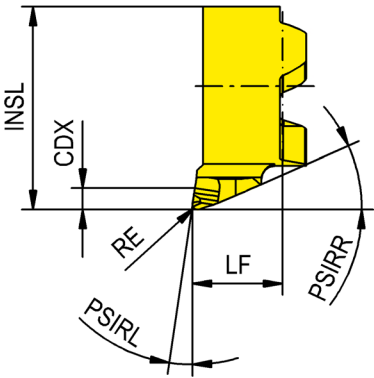
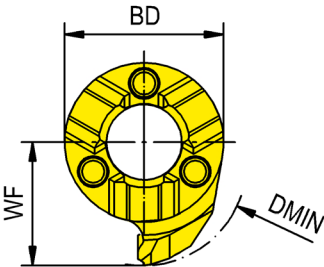
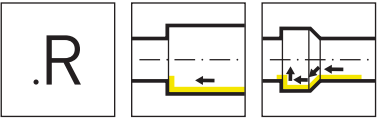




R = rechts wie gezeichnet
R = right hand version shown

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M		EG35	EG55	IG35
RS108.0820.105	7,8	0,05	0,8	8,5°	20°	3,37	4,65	6	7,65	10806084N		▲		▲
RS108.0820.110	7,8	0,1	0,8	8,5°	20°	3,38	4,65	6	7,65	10806084N		▲		▲
RS108.0820.120	7,8	0,2	0,8	8,5°	20°	3,4	4,65	6	7,65	10806084N			▲	▲
											P	●	●	●
											M	●	●	●
											K	●	●	●
											N	o	-	o
											S	-	-	o
											H	-	-	-



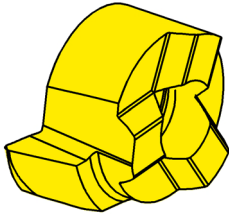
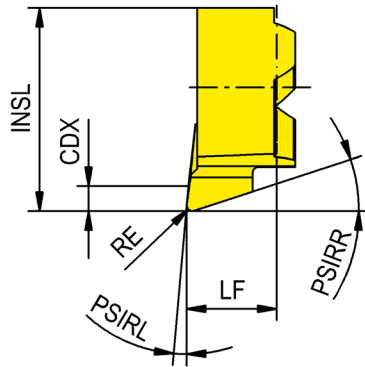
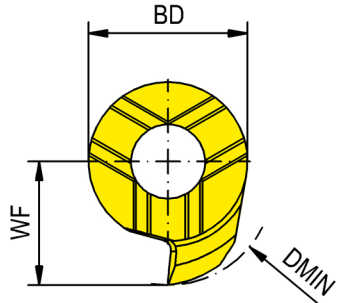
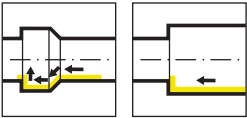
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS108.1846.R2	7,8	0,2	0,8	8,5°	20°	3,4	4,65	6	7,65	10806084N	▲	▲
RS108.1846.R4	7,8	0,4	0,8	8,5°	20°	3,4	4,65	6	7,65	10806084N	▲	▲
LS108.1846.R2	7,8	0,2	0,8	8,5°	20°	3,4	4,65	6	7,65	10806084N	▲	▲
LS108.1846.R4	7,8	0,4	0,8	8,5°	20°	3,4	4,65	6	7,65	10806084N	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

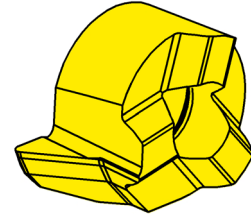
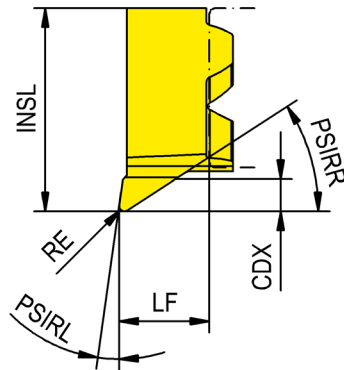
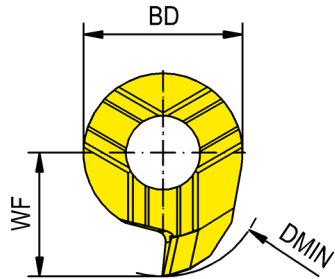
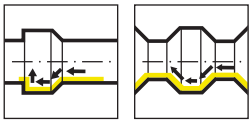


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PS/RL	PS/RR	LF	WF	BD	INSL	Trennstelle M Interface M		EG55	TH35	Ti25	TN35
R108.1846.02	7,8	0,2	1	8,5°	19°	3,4	4,65	6	7,65	10806084N		▲	▲	▲	▲
L108.1846.02	7,8	0,2	1	8,5°	19°	3,4	4,65	6	7,65	10806084N		▲	▲	▲	▲
											P	●	●	●	●
											M	●	●	●	-
											K	●	-	-	●
											N	-	-	●	-
											S	-	-	-	-
											H	-	-	-	-

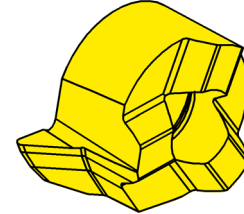
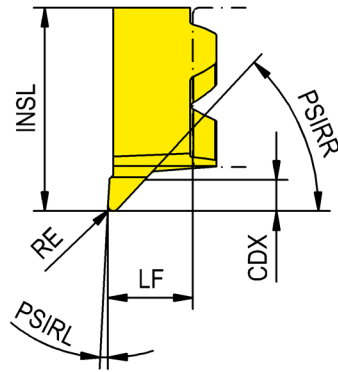
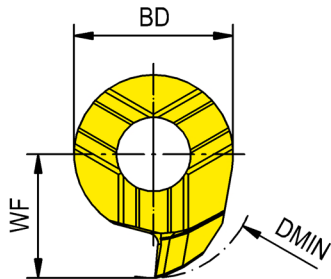
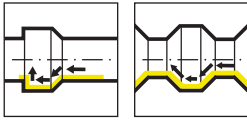


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R108.3348.01	7,8	0,1	1,2	8°	33°	3,4	4,65	6	7,65	10806084N	▲
R108.3348.02	7,8	0,2	1,2	8°	33°	3,4	4,65	6	7,65	10806084N	▲
R108.3348.04	7,8	0,4	1,2	8°	33°	3,4	4,65	6	7,65	10806084N	▲
L108.3348.01	7,8	0,1	1,2	8°	33°	3,4	4,65	6	7,65	10806084N	Δ
L108.3348.02	7,8	0,2	1,2	8°	33°	3,4	4,65	6	7,65	10806084N	Δ
L108.3348.04	7,8	0,4	1,2	8°	33°	3,4	4,65	6	7,65	10806084N	Δ
											P ●
											M ●
											K ●
											N -
											S -
											H -

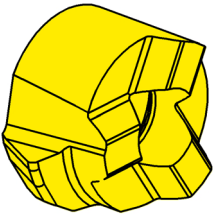
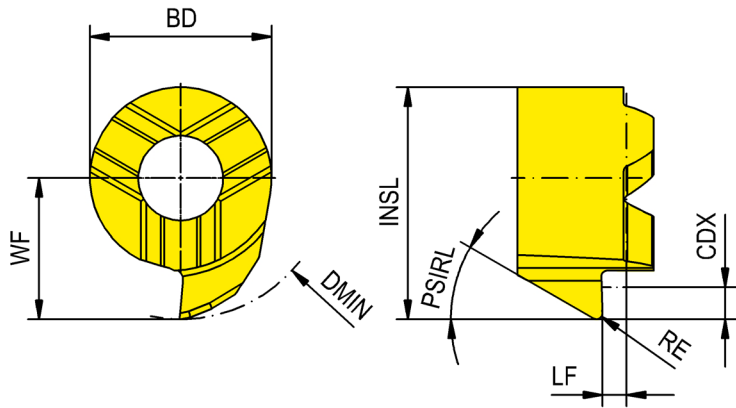
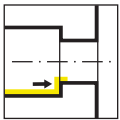


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R108.4748.01	7,8	0,1	1,2	3°	47°	3,2	4,65	6	7,65	10806084N	▲	▲	
R108.4748.02	7,8	0,2	1,2	3°	47°	3,2	4,65	6	7,65	10806084N	▲	▲	▲
R108.4748.04	7,8	0,4	1,2	3°	47°	3,2	4,65	6	7,65	10806084N	▲	▲	
L108.4748.01	7,8	0,1	1,2	3°	47°	3,2	4,65	6	7,65	10806084N	▲	▲	
L108.4748.02	7,8	0,2	1,2	3°	47°	3,2	4,65	6	7,65	10806084N	▲	▲	▲
L108.4748.04	7,8	0,4	1,2	3°	47°	3,2	4,65	6	7,65	10806084N	▲	▲	
P											●	●	●
M											●	●	-
K											●	-	●
N											-	-	-
S											-	-	-
H											-	-	-

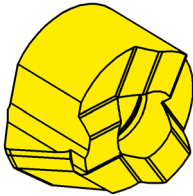
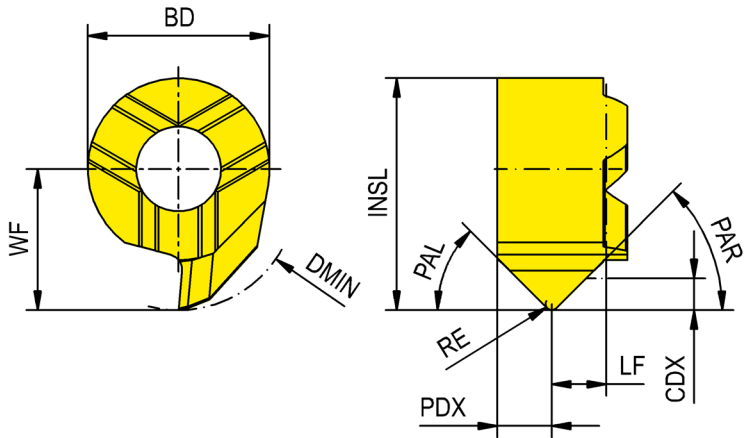
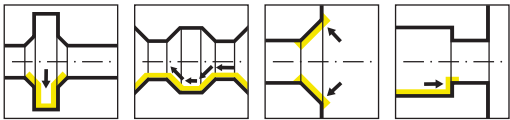


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R108.3046.02	7,8	0,2	1,3	30°	0,8	4,65	6	7,65	10806084N	▲	▲	▲
L108.3046.02	7,8	0,2	1,3	30°	0,8	4,65	6	7,65	10806084N	Δ	Δ	▲
										P	●	●
										M	●	●
										K	●	●
										N	-	-
										S	-	-
										H	-	-

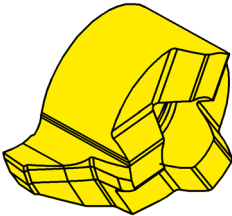
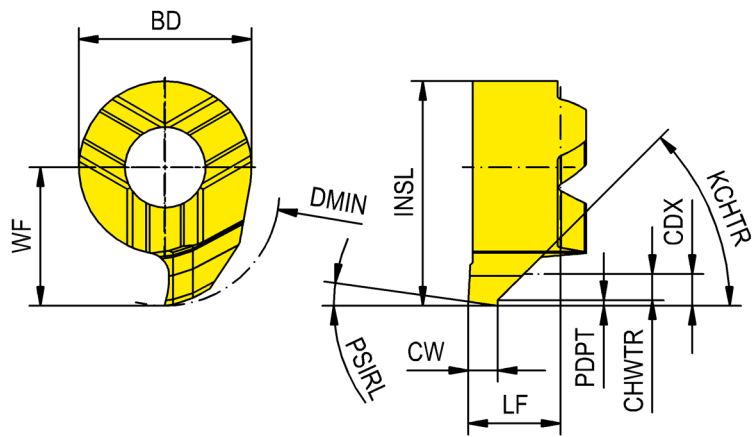
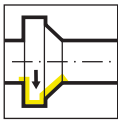


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PAL	PAR	PDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	Ti25	TN35
R108.4545.02	6,8	0,2	1,4	45°	45°	1,8	1,8	4,65	6	7,65	10806084N	▲	▲	▲
L108.4545.02	6,8	0,2	1,4	45°	45°	1,8	1,8	4,65	6	7,65	10806084N	▲	Δ	▲
P	●	●	●	●	●	●	●	●	●	●		●	●	●
M	●	●	●	●	●	●	●	●	●	●		●	●	●
K	●	●	●	●	●	●	●	●	●	●		●	●	●
N	-	-	-	-	-	-	-	-	-	-		-	-	-
S	-	-	-	-	-	-	-	-	-	-		-	-	-
H	-	-	-	-	-	-	-	-	-	-		-	-	-

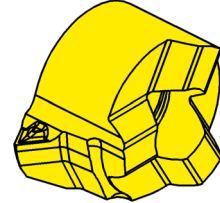
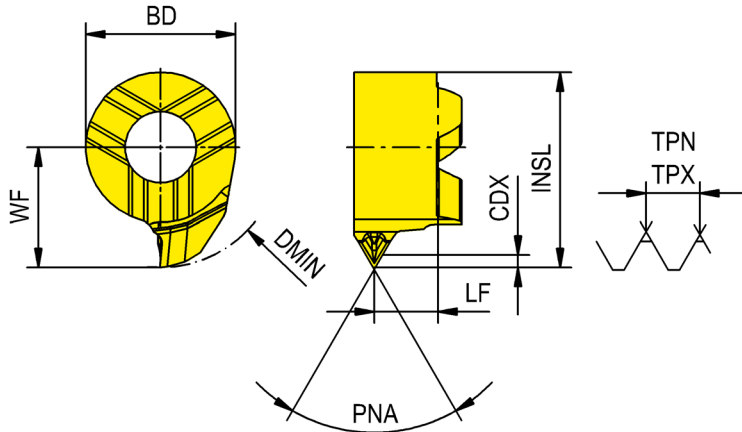


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	PDPT	CHWTR	PSIRL	KCHTR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	T125	TN35
R108.0810.45	8	1,02	1,5	0,2	1,3	8°	45°	3,2	4,8	6	7,8	10806084N	▲	▲	▲
L108.0810.45	8	1,02	1,5	0,2	1,3	8°	45°	3,2	4,8	6	7,8	10806084N	▲	▲	▲
P	●	●	●	●	●	●	●	●	●	●	●		●	●	●
M	●	●	●	●	●	●	●	●	●	●	●		●	●	●
K	●	●	●	●	●	●	●	●	●	●	●		●	●	●
N	-	-	-	-	-	-	-	-	-	-	-		-	-	-
S	-	-	-	-	-	-	-	-	-	-	-		-	-	-
H	-	-	-	-	-	-	-	-	-	-	-		-	-	-

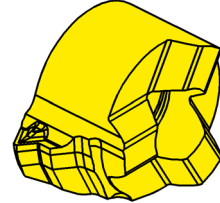
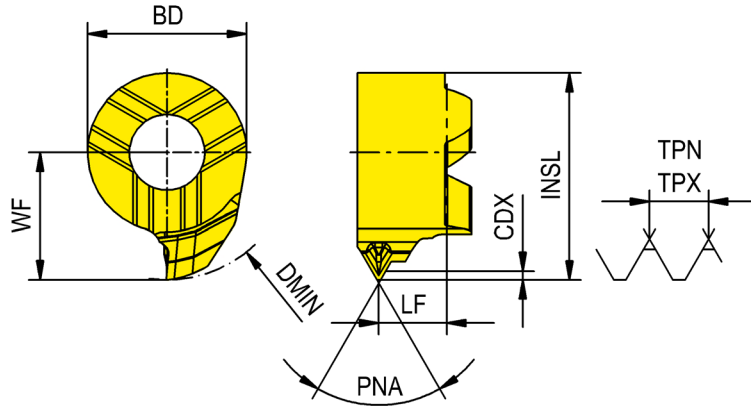


R = rechts wie gezeichnet
R = right hand version shown

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

Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
RS108.0205.GM1	8	0,5	0,75	60°	0,4	2,6	4,8	6	7,8	10806084N	▲
RS108.0510.GM1	8	1	1,25	60°	0,4	2,6	4,8	6	7,8	10806084N	▲
RS108.0815.GM1	8	1,5	1,5	60°	0,95	2,6	4,8	6	7,8	10806084N	▲
LS108.0205.GM1	8	0,5	0,75	60°	0,4	2,6	4,8	6	7,8	10806084N	▲
LS108.0510.GM1	8	1	1,25	60°	0,4	2,6	4,8	6	7,8	10806084N	▲
LS108.0815.GM1	8	1,5	1,5	60°	0,95	2,6	4,8	6	7,8	10806084N	▲
											P ●
											M ●
											K ●
											N -
											S -
											H -

B3

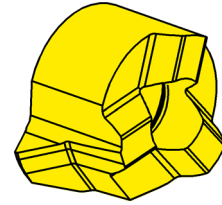
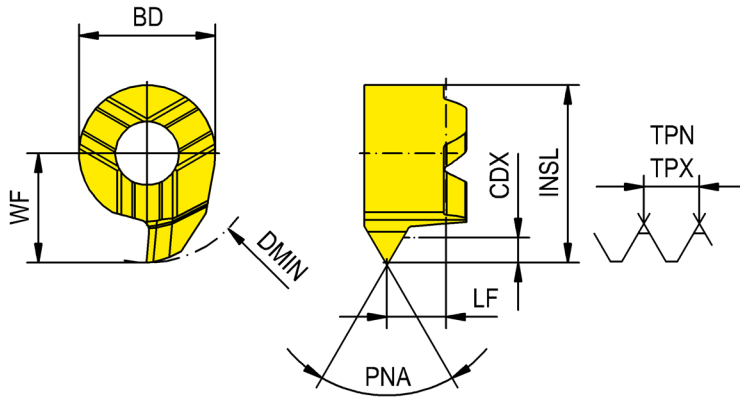


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
RS108.0305.GM2	8	0,5	0,5	60°	0,28	2,6	4,8	6	7,8	10806084N	▲
RS108.0510.GM2	8	1	1	60°	0,55	2,6	4,8	6	7,8	10806084N	▲
RS108.0512.GM2	8	1,25	1,25	60°	0,69	2,6	4,8	6	7,8	10806084N	▲
RS108.0815.GM2	8	1,5	1,5	60°	0,82	2,6	4,8	6	7,8	10806084N	▲
LS108.0305.GM2	8	0,5	0,5	60°	0,28	2,6	4,8	6	7,8	10806084N	▲
LS108.0510.GM2	8	1	1	60°	0,55	2,6	4,8	6	7,8	10806084N	▲
LS108.0512.GM2	8	1,25	1,25	60°	0,69	2,6	4,8	6	7,8	10806084N	▲
LS108.0815.GM2	8	1,5	1,5	60°	0,82	2,6	4,8	6	7,8	10806084N	▲
											P ●
											M ●
											K ●
											N -
											S -
											H -



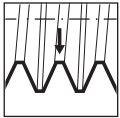
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

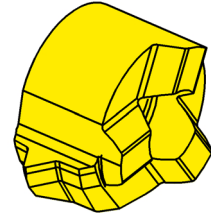
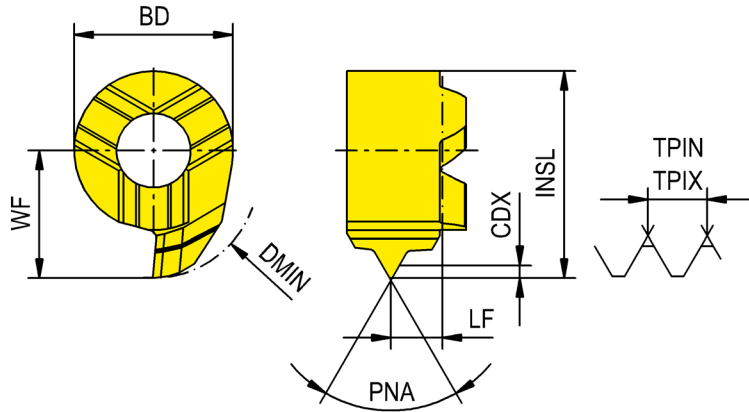
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	T125	TN35
R108.0205.01	8	0,5	0,75	60°	0,4	2,8	4,8	6	7,8	10806084N	▲	▲		▲
R108.0510.01	8	1	1,25	60°	0,7	2,8	4,8	6	7,8	10806084N	▲	▲	▲	▲
R108.0815.01	8	1,5	1,75	60°	1	2,6	4,8	6	7,8	10806084N	▲	▲		▲
L108.0205.01	8	0,5	0,75	60°	0,4	2,8	4,8	6	7,8	10806084N	▲	▲		▲
L108.0510.01	8	1	1,25	60°	0,7	2,8	4,8	6	7,8	10806084N	▲	▲	▲	▲
L108.0815.01	8	1,5	1,75	60°	1	2,6	4,8	6	7,8	10806084N	▲	▲		▲
P											●	●	●	●
M											●	●	●	-
K											●	-	-	●
N											-	-	●	-
S											-	-	-	-
H											-	-	-	-

B3



NPT
NPTF

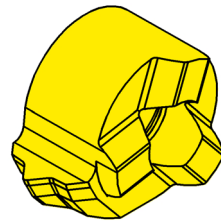
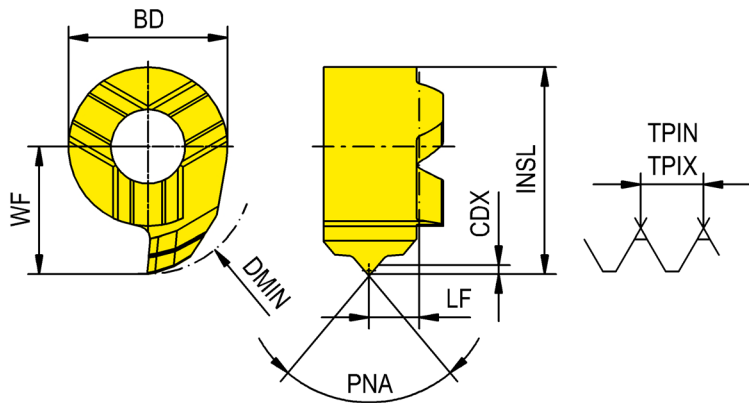
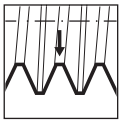


R = rechts wie gezeichnet
R = right hand version shown

Sorten
Grades

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

Artikelnummer Part number	DMIN	TPIN	TPIX	PNA	CDX	LF	WF	BD	INS	Trennstelle M Interface M	EG55	TN35
R108.NP14.02	8	14	14	60°	1,4	1,96	4,8	6	7,8	10806084N	▲	▲
R108.NP18.02	8	18	18	60°	1,08	1,95	4,8	6	7,8	10806084N	▲	▲
R108.NP27.02	8	27	27	60°	0,71	1,93	4,8	6	7,8	10806084N	Δ	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											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	DMIN	TPIN	TPIX	PNA	CDX	LF	WF	BD	INS	Trennstelle M Interface M	EG55	TN35
R108.PG18.02	8	18	18	80°	0,76	1,9	4,8	6	7,8	10806084N	▲	▲
R108.PG20.02	8	20	20	80°	0,68	1,9	4,8	6	7,8	10806084N	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

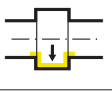
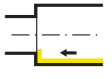
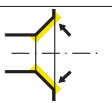
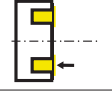
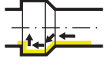
B3

Kapitel Chapter	A			B								
	A1	A2	A3	B1	B2	B3	B4	B5	B6	B7	B8	B9
System System	105	109	110	106	107	108	10P	111	11P	114	116	18P

Ø DMIN

≥ 0,2	•											
≥ 0,5	•											
≥ 0,7	•											
≥ 1,0	•											
≥ 1,5	•											
≥ 2,0	•											
≥ 3,0	•											
≥ 4,0	•											
≥ 5,0	•											
≥ 6,0	•	•	•	•								
≥ 6,5				•								
≥ 6,8	•	•			•							
≥ 7,0	•	•			•							
≥ 7,8						•						
≥ 8,0			•		•	•						
≥ 9,0							•					
≥ 10,0			•				•	•	•			
≥ 10,5									•			
≥ 11,0								•				
≥ 11,5									•			
≥ 13,8										•		
≥ 14,0										•		
≥ 15,5											•	
≥ 16,0										•	•	
≥ 16,5										•		
≥ 17,5												•
≥ 18,0												•
≥ 20,0												•

Bearbeitung / Machining

	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•			•	•		•		•	•	
	•	•		•	•	•	•	•	•	•	•	
	•	•	•							•		
	•	•	•	•	•	•	•	•	•	•	•	•

10P



B4

Klemmhalter und Schneidplatten

ab Bohrung Ø 9 mm

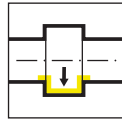
Toolholder and Inserts

from bore Ø 9 mm

Inhaltsangabe

Summary

Klemmhalter
Toolholder
B10P

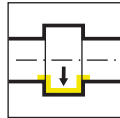


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265-266

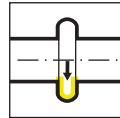
Schneidplatte
Insert
S10P/10P



Seite/Page
267-268



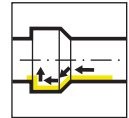
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269-272



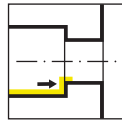
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273



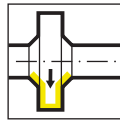
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274



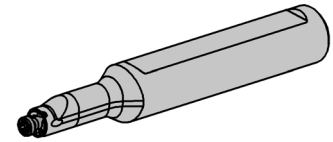
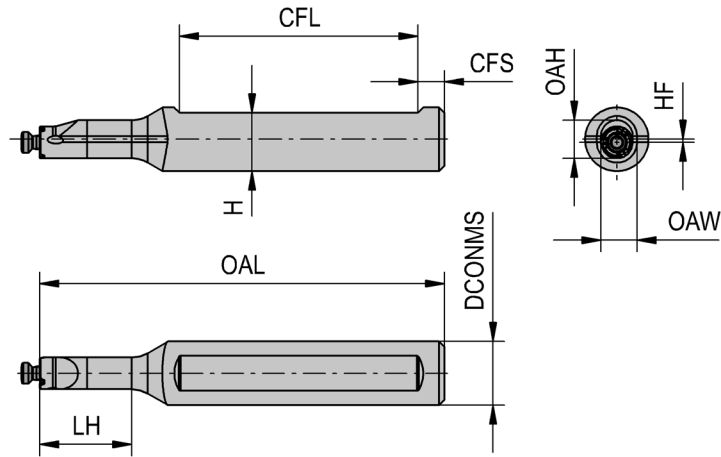
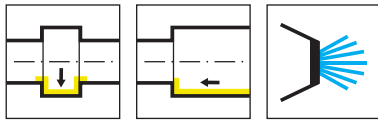
Seite/Page
275



Seite/Page
276



Seite/Page
277



R = rechts wie gezeichnet
R = right hand version shown

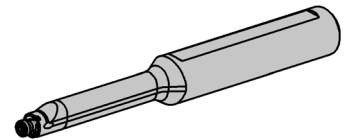
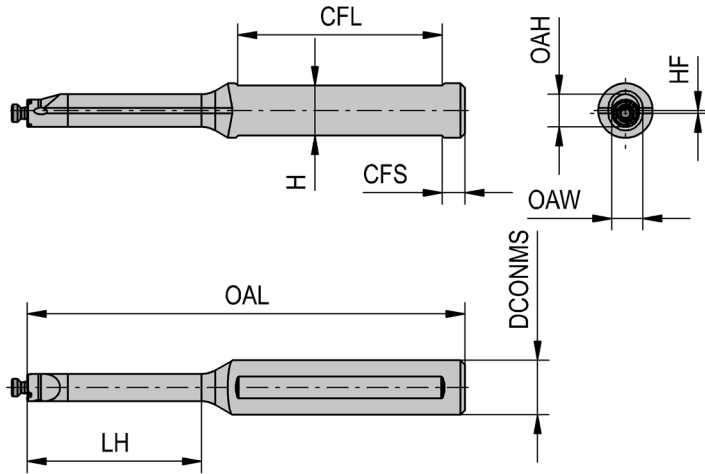
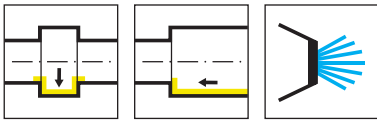
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	LH	OAL	CFL	H	CFS	OAH	OAW	HF	Trennstelle W Interface W
RB10P.0012.00	12	9,1	66,4	40	11	5	7,2	6	0,6	10P06084R
RB10P.0012.01	12	17,4	76,4	45	11	5	7,2	6	0,6	10P06084R
RB10P.0012.02	12	26,4	86,4	45	11	5	7,2	6	0,6	10P06084R
RB10P.0012.03	12	38,4	96,4	45	11	5	7,2	6	0,6	10P06084R
LB10P.0012.00	12	9,1	66,4	40	11	5	7,2	6	0,6	10P06084L
LB10P.0012.01	12	17,4	76,4	45	11	5	7,2	6	0,6	10P06084L
LB10P.0012.02	12	26,4	86,4	45	11	5	7,2	6	0,6	10P06084L
LB10P.0012.03	12	38,4	96,4	45	11	5	7,2	6	0,6	10P06084L

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB10P...	2.6.5T8EP	T8PL



R = rechts wie gezeichnet
R = right hand version shown

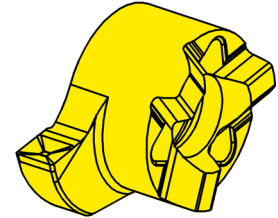
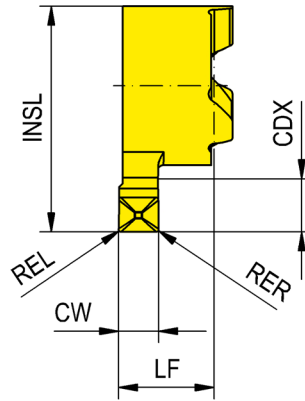
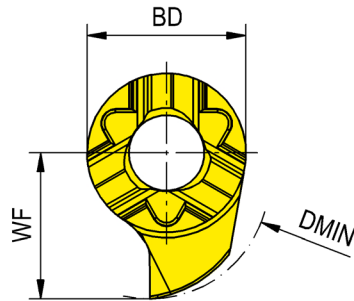
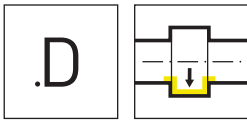
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	LH	OAL	CFL	H	CFS	OAH	OAW	HF	Trennstelle W Interface W
RB10P.0012.2.03	12	38,4	96,4	45	11	5	7,2	6	0,6	10P06084R
RB10P.0012.2.00	12	9,1	66,4	40	11	5	7,2	6	0,6	10P06084R
RB10P.0012.2.01	12	17,4	76,4	45	11	5	7,2	6	0,6	10P06084R
RB10P.0012.2.02	12	26,4	86,4	45	11	5	7,2	6	0,6	10P06084R
LB10P.0012.2.00	12	9,1	66,4	40	11	5	7,2	6	0,6	10P06084L
LB10P.0012.2.01	12	17,4	76,4	45	11	5	7,2	6	0,6	10P06084L
LB10P.0012.2.02	12	26,4	86,4	45	11	5	7,2	6	0,6	10P06084L
LB10P.0012.2.03	12	38,4	96,4	45	11	5	7,2	6	0,6	10P06084L

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB10P...	2.6.5T8EP	T8PL

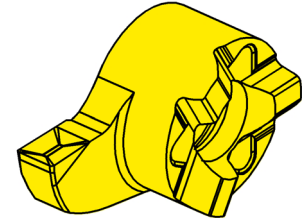
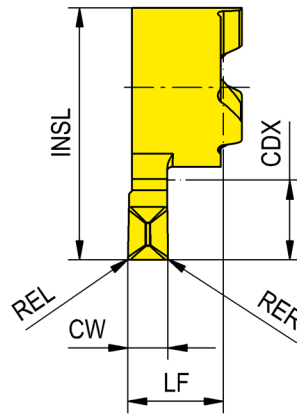
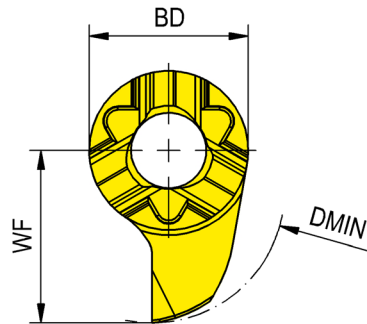
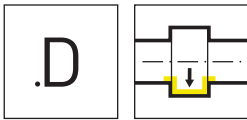


R = rechts wie gezeichnet
R = right hand version shown

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	TH35
RS10P.0100.1.D1	9	1,01	2	0,1	0,1	3,6	5,5	6	8,5	10P06084R	▲	▲
RS10P.0150.1.D1	9	1,51	2	0,1	0,1	3,6	5,5	6	8,5	10P06084R	▲	▲
RS10P.0200.1.D2	9	2,01	2	0,2	0,2	3,6	5,5	6	8,5	10P06084R	▲	▲
LS10P.0100.1.D1	9	1,01	2	0,1	0,1	3,6	5,5	6	8,5	10P06084L	Δ	▲
LS10P.0150.1.D1	9	1,51	2	0,1	0,1	3,6	5,5	6	8,5	10P06084L	Δ	▲
LS10P.0200.1.D2	9	2,01	2	0,2	0,2	3,6	5,5	6	8,5	10P06084L	Δ	Δ
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

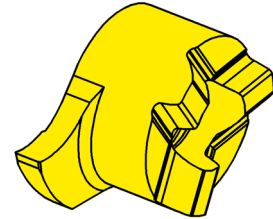
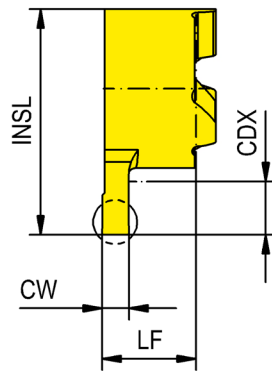
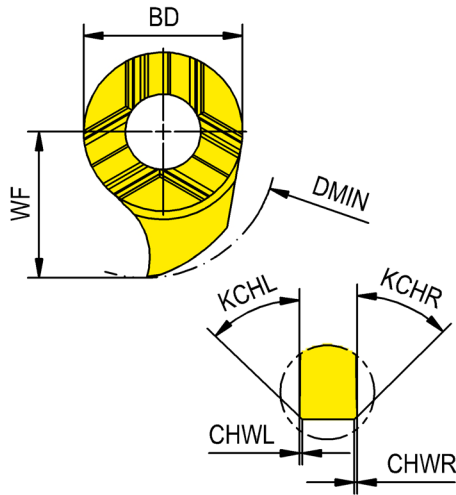
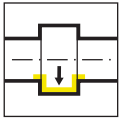


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS10P.0150.2.D1	10	1,51	3	0,1	0,1	3,6	6,5	6	9,5	10P06084R	▲	▲
RS10P.0200.2.D2	10	2,01	3	0,2	0,2	3,6	6,5	6	9,5	10P06084R	▲	▲
LS10P.0150.2.D1	10	1,51	3	0,1	0,1	3,6	6,5	6	9,5	10P06084L	Δ	▲
LS10P.0200.2.D2	10	2,01	3	0,2	0,2	3,6	6,5	6	9,5	10P06084L	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

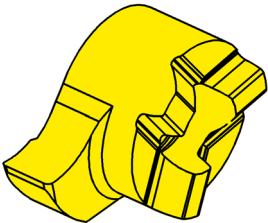
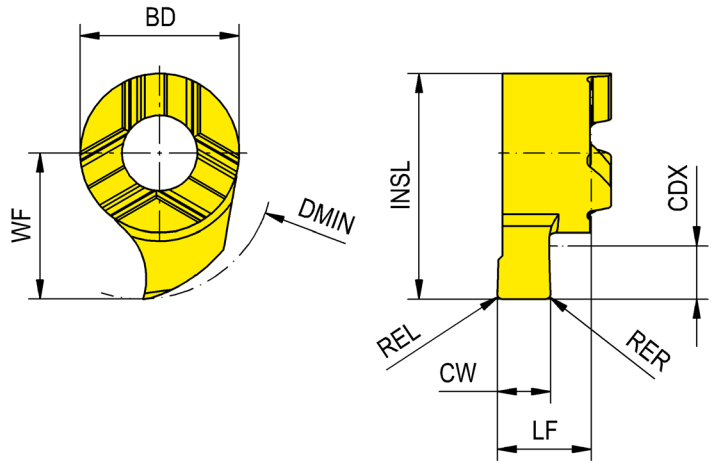
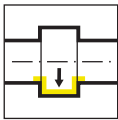


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
R10P.0100.1.00	9	1,01	2	0,03	45°	0,03	45°	3,6	5,5	6	8,5	10P06084R	▲	▲
R10P.0150.1.00	9	1,51	2	0,03	45°	0,03	45°	3,6	5,5	6	8,5	10P06084R	▲	▲
L10P.0100.1.00	9	1,01	2	0,03	45°	0,03	45°	3,6	5,5	6	8,5	10P06084L	▲	▲
L10P.0150.1.00	9	1,51	2	0,03	45°	0,03	45°	3,6	5,5	6	8,5	10P06084L	Δ	▲
													P	●
													M	●
													K	●
													N	-
													S	-
													H	-



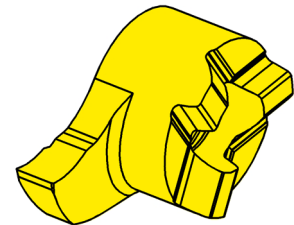
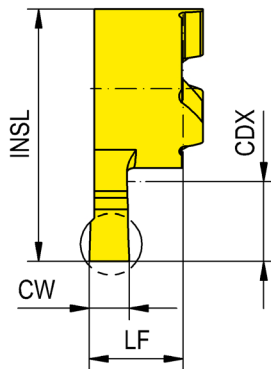
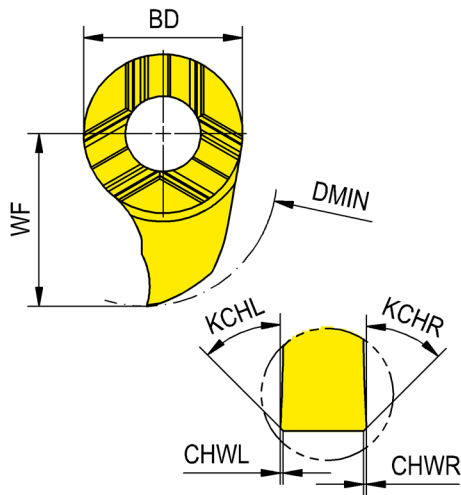
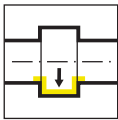
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M		EG55	TH35
R10P.0200.1.02	9	2,01	2	0,2	0,2	3,6	5,5	6	8,5	10P06084R		▲	▲
R10P.0250.1.02	9	2,51	2	0,2	0,2	3,6	5,5	6	8,5	10P06084R		▲	▲
R10P.0300.1.02	9	3,01	2	0,2	0,2	3,6	5,5	6	8,5	10P06084R		▲	▲
L10P.0200.1.02	9	2,01	2	0,2	0,2	3,6	5,5	6	8,5	10P06084L		▲	▲
L10P.0250.1.02	9	2,51	2	0,2	0,2	3,6	5,5	6	8,5	10P06084L		Δ	▲
L10P.0300.1.02	9	3,01	2	0,2	0,2	3,6	5,5	6	8,5	10P06084L		Δ	▲
											P	●	●
											M	●	●
											K	●	-
											N	-	-
											S	-	-
											H	-	-

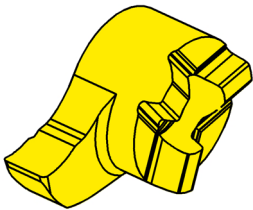
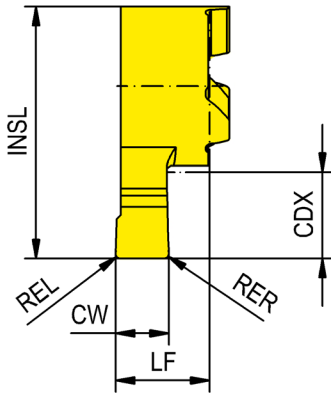
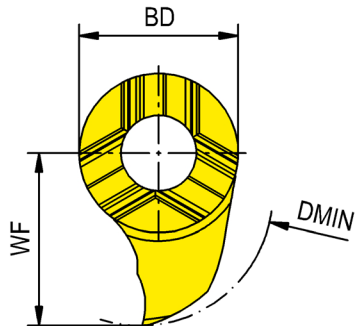
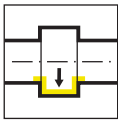


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
R10P.0100.2.00	10	1,01	2	0,03	45°	0,03	45°	3,6	6,5	6	9,5	10P06084R	▲	▲
R10P.0150.2.00	10	1,51	2	0,03	45°	0,03	45°	3,6	6,5	6	9,5	10P06084R	▲	▲
L10P.0100.2.00	10	1,01	2	0,03	45°	0,03	45°	3,6	6,5	6	9,5	10P06084L	Δ	▲
L10P.0150.2.00	10	1,51	2	0,03	45°	0,03	45°	3,6	6,5	6	9,5	10P06084L		▲
													P	● ●
													M	● ●
													K	● -
													N	- -
													S	- -
													H	- -

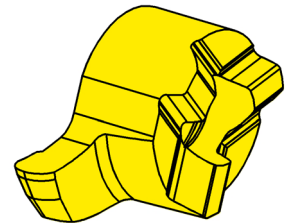
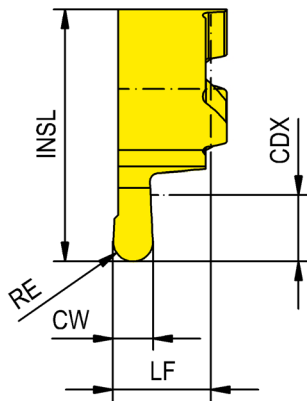
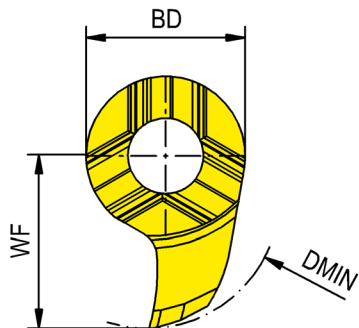
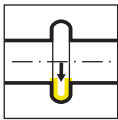


R = rechts wie gezeichnet
R = right hand version shown

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	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M		EG55	TH35
R10P.0200.2.02	10	2,01	2	0,2	0,2	3,6	6,5	6	9,5	10P06084R		▲	▲
L10P.0200.2.02	10	2,01	2	0,2	0,2	3,6	6,5	6	9,5	10P06084L		▲	▲
												P	●
												M	●
												K	●
												N	-
												S	-
												H	-

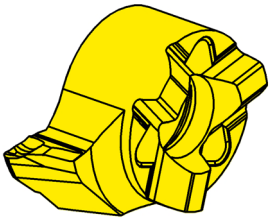
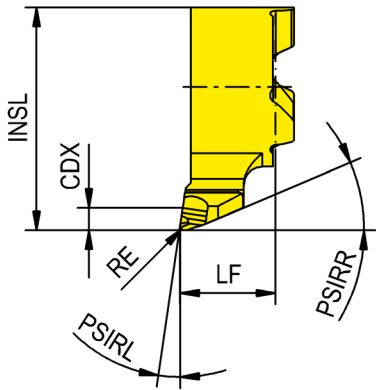
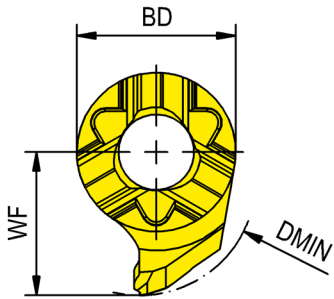
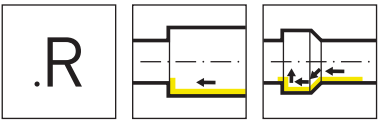


R = rechts wie gezeichnet
R = right hand version shown

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	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R10P.0005.2.10	10	1,01	0,50	3	3,6	6,5	6	9,5	10P06084R	▲
R10P.0007.2.15	10	1,51	0,75	3	3,6	6,5	6	9,5	10P06084R	▲
R10P.0009.2.18	10	1,81	0,90	3	3,6	6,5	6	9,5	10P06084R	▲
L10P.0005.2.10	10	1,01	0,50	3	3,6	6,5	6	9,5	10P06084L	▲
L10P.0007.2.15	10	1,51	0,75	3	3,6	6,5	6	9,5	10P06084L	▲
L10P.0009.2.18	10	1,81	0,90	3	3,6	6,5	6	9,5	10P06084L	▲
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									M	●
									K	●
									N	-
									S	-
									H	-

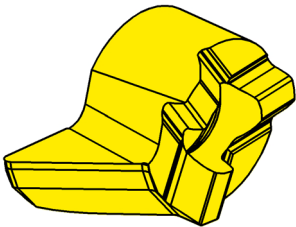
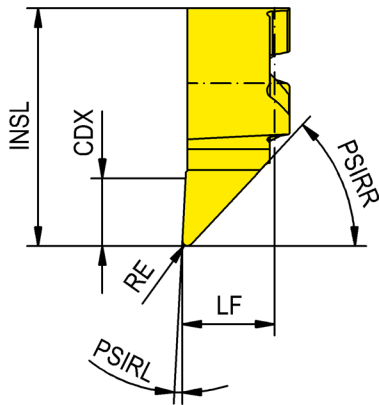
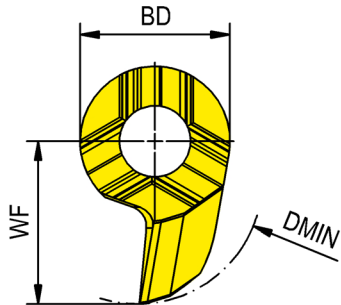
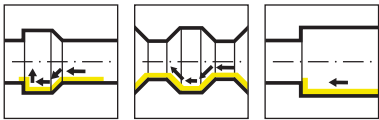


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS10P.1854.R2	8,8	0,2	0,8	8,5°	20°	3,6	5,4	6	8,4	10P06084R	▲	▲
RS10P.1854.R4	8,8	0,4	0,8	8,5°	20°	3,6	5,4	6	8,4	10P06084R	▲	▲
LS10P.1854.R2	8,8	0,2	0,8	8,5°	20°	3,6	5,4	6	8,4	10P06084L	▲	▲
LS10P.1854.R4	8,8	0,4	0,8	8,5°	20°	3,6	5,4	6	8,4	10P06084L	Δ	▲
											P	● ●
											M	● ●
											K	● -
											N	- -
											S	- -
											H	- -

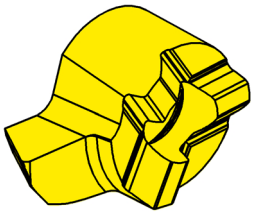
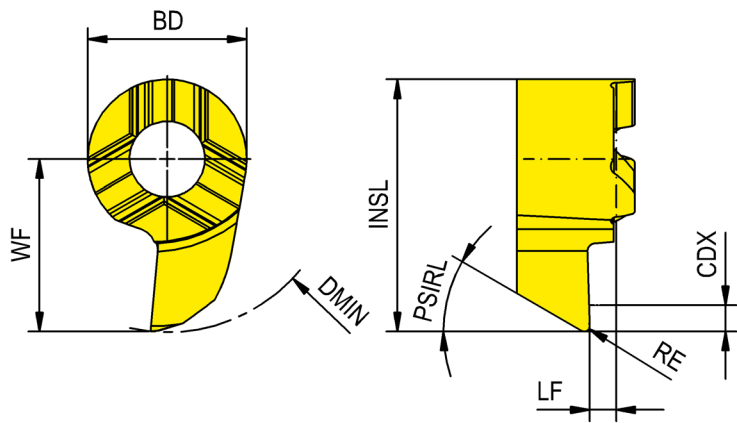
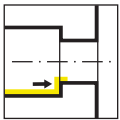


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R10P.4765.2.02	10	0,2	3	3°	47°	3,6	6,5	6	9,5	10P06084R	▲
L10P.4765.2.02	10	0,2	3	3°	47°	3,6	6,5	6	9,5	10P06084L	▲
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										M	●
										K	●
										N	-
										S	-
										H	-

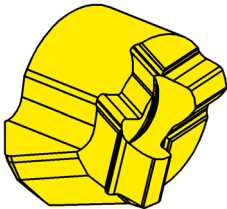
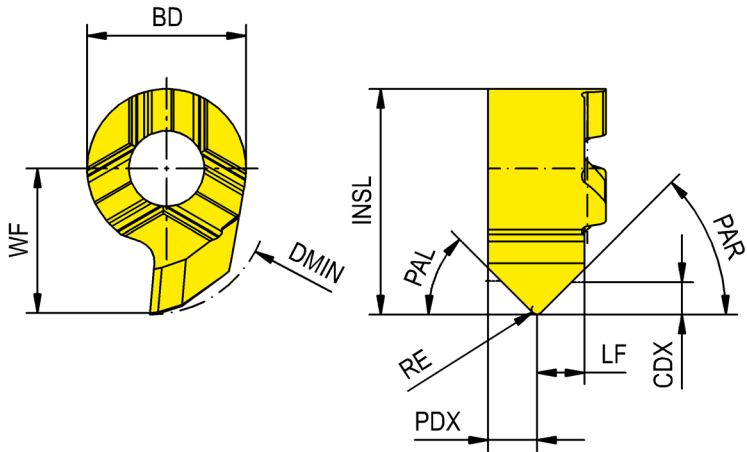
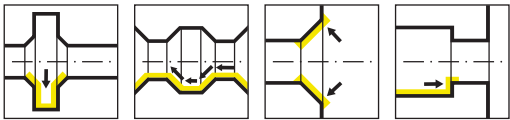


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	LF	WF	BD	INS	Trennstelle M Interface M	EG55
R10P.3065.2.02	10	0,2	1,3	30°	1	6,5	6	9,5	10P06084R	▲
L10P.3065.2.02	10	0,2	1,3	30°	1	6,5	6	9,5	10P06084L	▲
									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

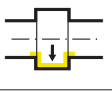
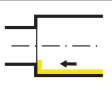
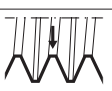
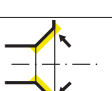
Artikelnummer Part number	DMIN	RE	CDX	PAL	PAR	PDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R10P.4545.1.02	9	0,2	1,5	45°	45°	1,85	1,9	5,5	6	8,5	10P06084R	▲
L10P.4545.1.02	9	0,2	1,5	45°	45°	1,85	1,9	5,5	6	8,5	10P06084L	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

Kapitel Chapter	A			B								
	A1	A2	A3	B1	B2	B3	B4	B5	B6	B7	B8	B9
System System	105	109	110	106	107	108	10P	111	11P	114	116	18P

Ø DMIN

≥ 0,2	•											
≥ 0,5	•											
≥ 0,7	•											
≥ 1,0	•											
≥ 1,5	•											
≥ 2,0	•											
≥ 3,0	•											
≥ 4,0	•											
≥ 5,0	•											
≥ 6,0	•	•	•	•								
≥ 6,5				•								
≥ 6,8	•	•			•							
≥ 7,0	•	•			•							
≥ 7,8						•						
≥ 8,0			•		•	•						
≥ 9,0							•					
≥ 10,0			•				•	•	•			
≥ 10,5									•			
≥ 11,0								•				
≥ 11,5									•			
≥ 13,8										•		
≥ 14,0										•		
≥ 15,5											•	
≥ 16,0										•	•	
≥ 16,5										•		
≥ 17,5												•
≥ 18,0												•
≥ 20,0												•

Bearbeitung / Machining

	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•			•	•		•		•	•	
	•	•		•	•	•	•	•	•	•	•	
	•	•	•							•		
	•	•	•	•	•	•	•	•	•	•	•	•

B5

111



B5

Klemmhalter und Schneidplatten

ab Bohrung Ø 10 mm

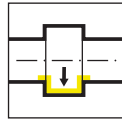
Toolholder and Inserts

from bore Ø 10 mm

Inhaltsangabe

Summary

Klemmhalter
Toolholder
B111



Seite/Page
281-282

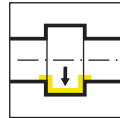
Schneidplatte
Insert
111/S111



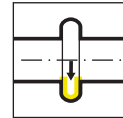
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283-284



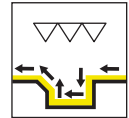
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285



Seite/Page
286



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287



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288



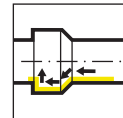
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289



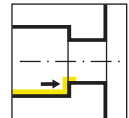
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290



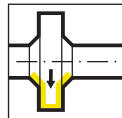
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291



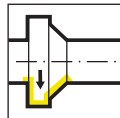
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292-294



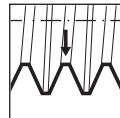
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295



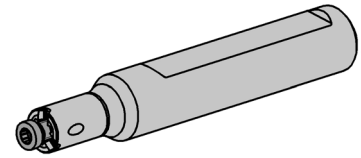
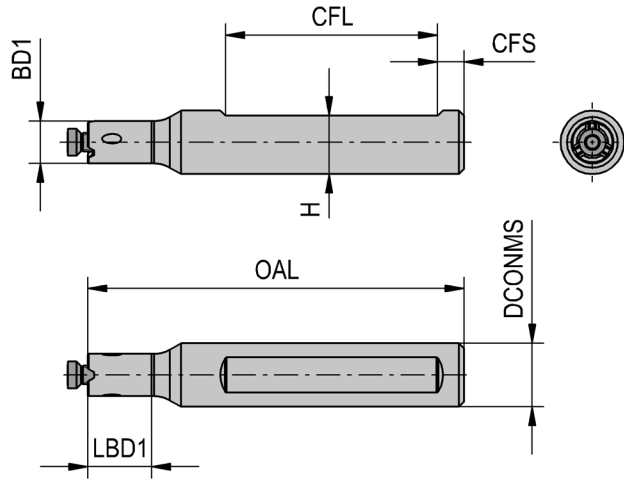
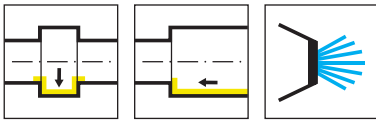
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296



Seite/Page
297



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298-303

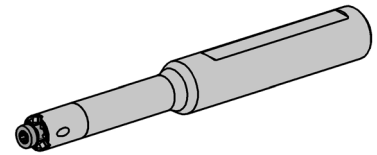
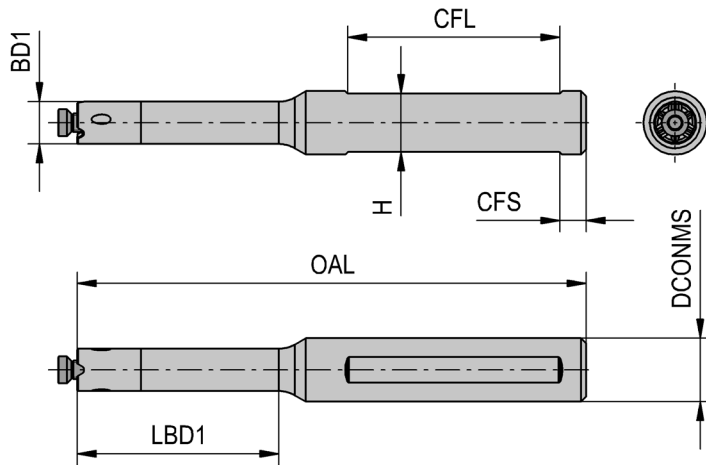
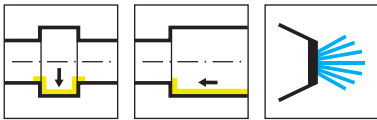


Artikelnummer Part number	DCONMS	LBD1	OAL	CFL	H	CFS	BD1	Trennstelle W Interface W
B111.0008.01A	8	40,05	76,05	-	-	-	8	11108084N
B111.0008.01	8	40,05	76,05	55	7	4	8	11108084N
B111.0012.00	12	12,5	71	40	11	5	8	11108084N
B111.0012.01	12	25	91	50	11	5	8	11108084N
B111.0012.02	12	38	106	50	11	5	8	11108084N
B111.0012.03	12	52	116	50	11	5	8	11108084N

B111.0008.01A ohne Spannflächen
B111.0008.01A without clamping flats

Ersatzteile
Spare Parts

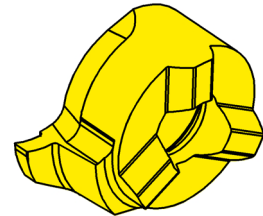
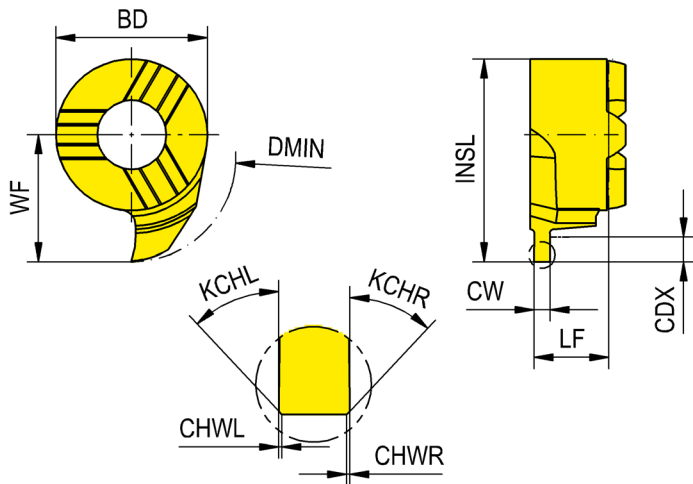
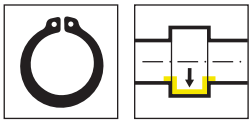
Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B111...	3.5.12T10EP	T10PL



Artikelnummer Part number	DCONMS	LBD1	OAL	CFL	H	CFS	BD1	Trennstelle W Interface W
B111.0012.2.00	12	12,55	71,05	40	11	5	8	11108084N
B111.0012.2.01	12	25,05	91,05	50	11	5	8	11108084N
B111.0012.2.02	12	38,05	106,05	50	11	5	8	11108084N
B111.0012.2.03	12	52,05	116,05	50	11	5	8	11108084N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B111...	3.5.12T10EP	T10PL

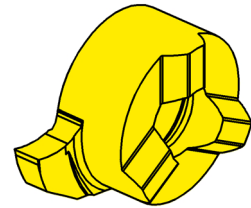
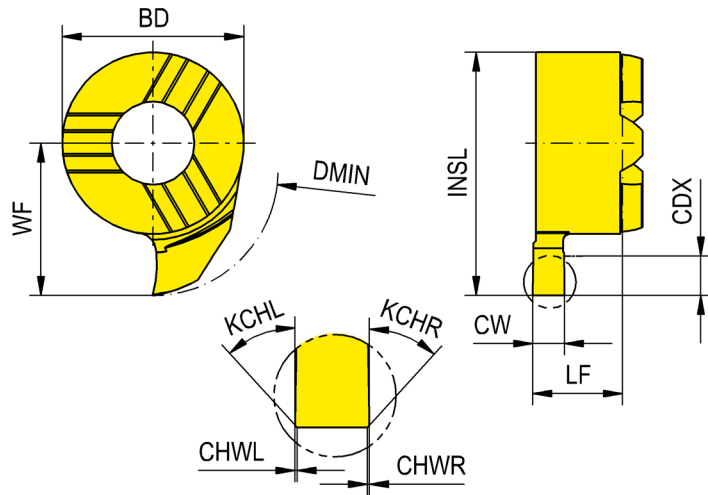
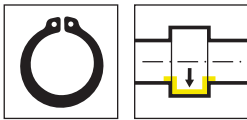


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	RTRG	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R111.0070.00	11	0,75	0,7	1,2	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
R111.0080.00	11	0,85	0,8	1,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
R111.0090.00	11	0,95	0,9	1,5	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
L111.0070.00	11	0,75	0,7	1,2	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N		Δ	▲
L111.0090.00	11	0,95	0,9	1,5	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N		▲	▲
Zapfenausführung not face cutting, limited depth of cut														P	●	●
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472														M	●	●
														K	●	●
														N	-	-
														S	-	-
														H	-	-

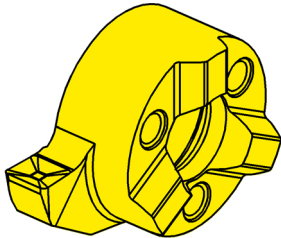
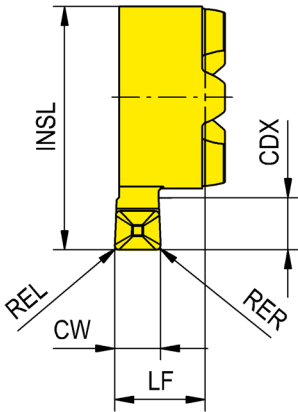
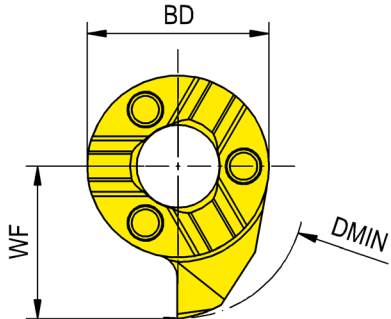
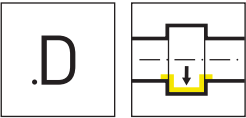


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	RTRG	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R111.0110.00	11	1,19	1,1	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
R111.0130.00	11	1,39	1,3	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
R111.0160.00	11	1,69	1,6	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
L111.0110.00	11	1,19	1,1	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
L111.0130.00	11	1,39	1,3	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	Δ	▲	▲
L111.0160.00	11	1,69	1,6	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472														P	●	●
														M	●	-
														K	●	●
														N	-	-
														S	-	-
														H	-	-

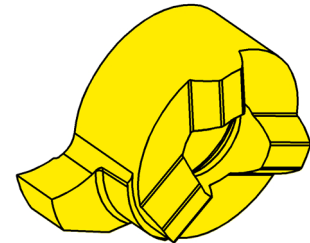
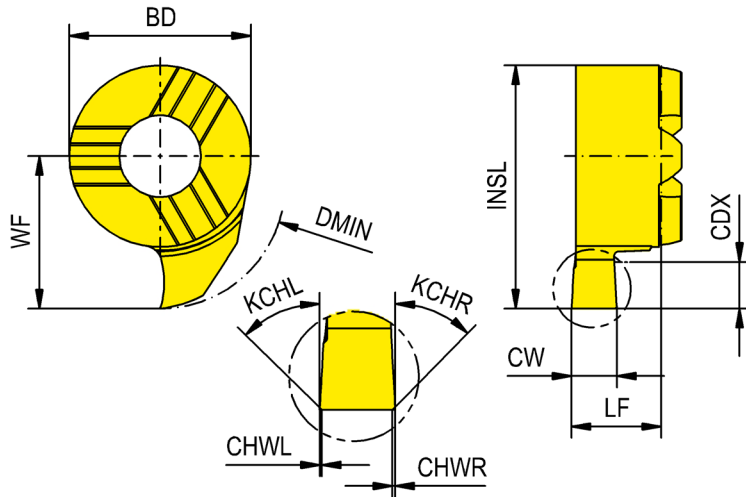
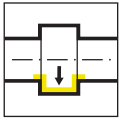


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R = right hand version shown

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	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS111.0150.D1	11	1,51	2,3	0,1	0,1	3,95	6,7	8	10,7	11108084N	▲	▲
RS111.0200.D2	11	2,01	2,3	0,2	0,2	3,95	6,7	8	10,7	11108084N	▲	▲
RS111.0250.D2	11	2,51	2,3	0,2	0,2	3,95	6,7	8	10,7	11108084N	▲	▲
LS111.0150.D1	11	1,51	2,3	0,1	0,1	3,95	6,7	8	10,7	11108084N	Δ	▲
LS111.0200.D2	11	2,01	2,3	0,2	0,2	3,95	6,7	8	10,7	11108084N	▲	▲
LS111.0250.D2	11	2,51	2,3	0,2	0,2	3,95	6,7	8	10,7	11108084N	Δ	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

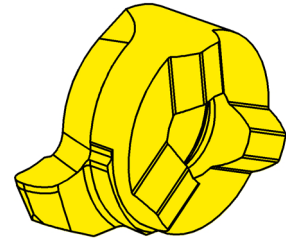
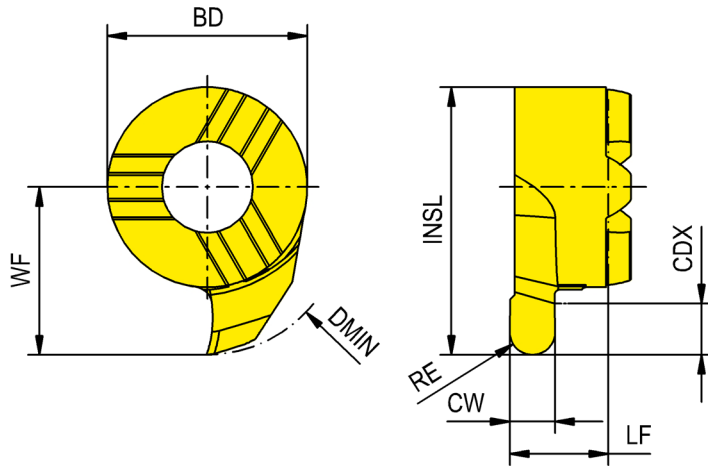
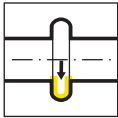


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R = right hand version shown

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	TH35	TN35
R111.0100.1.00	11	1,01	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	Δ		▲
R111.0150.00	11	1,5	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
R111.0200.00	11	2	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
R111.0250.00	11	2,5	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
R111.0300.00	11	3	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
L111.0100.1.00	11	1,01	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	Δ		▲
L111.0150.00	11	1,5	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
L111.0200.00	11	2	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
L111.0250.00	11	2,5	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
L111.0300.00	11	3	2,3	0,04	45°	0,04	45°	3,95	6,7	8	10,7	11108084N	▲	▲	▲
P													●	●	●
M													●	●	-
K													●	-	●
N													-	-	-
S													-	-	-
H													-	-	-

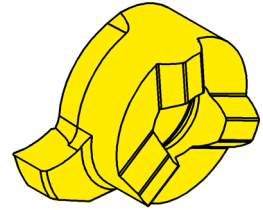
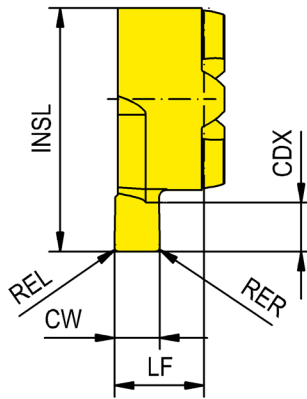
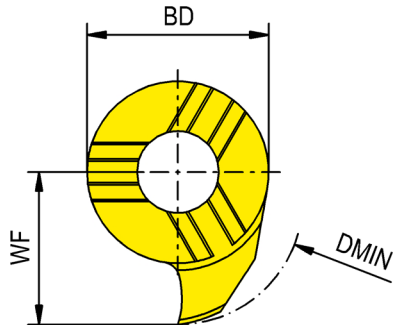
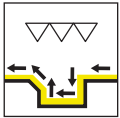


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	RE	CDX	LF	WF	BD	INS�	Trennstelle M Interface M	EG55	TH35	TN35
R111.0004.08	11	0,81	0,4	2,3	3,95	6,7	8	10,7	11108084N	▲	▲	▲
R111.0006.12	11	1,21	0,6	2,3	3,95	6,7	8	10,7	11108084N	▲	▲	▲
R111.0009.18	11	1,81	0,9	2,3	3,95	6,7	8	10,7	11108084N	▲	▲	▲
R111.0010.20	11	2,01	1	2,3	3,95	6,7	8	10,7	11108084N	▲	▲	▲
R111.0015.30	11	3,01	1,5	2,3	3,95	6,7	8	10,7	11108084N	▲	▲	▲
L111.0004.08	11	0,81	0,4	2,3	3,95	6,7	8	10,7	11108084N	▲	▲	▲
L111.0006.12	11	1,21	0,6	2,3	3,95	6,7	8	10,7	11108084N	▲	▲	▲
L111.0009.18	11	1,81	0,9	2,3	3,95	6,7	8	10,7	11108084N	▲	▲	▲
L111.0010.20	11	2,01	1	2,3	3,95	6,7	8	10,7	11108084N	▲	▲	▲
L111.0015.30	11	3,01	1,5	2,3	3,95	6,7	8	10,7	11108084N	▲	▲	▲
P	●	●	●	●	●	●	●	●		●	●	●
M	●	●	●	●	●	●	●	●		●	●	●
K	●	●	●	●	●	●	●	●		●	●	●
N	-	-	-	-	-	-	-	-		-	-	-
S	-	-	-	-	-	-	-	-		-	-	-
H	-	-	-	-	-	-	-	-		-	-	-

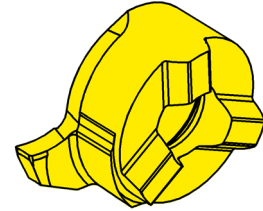
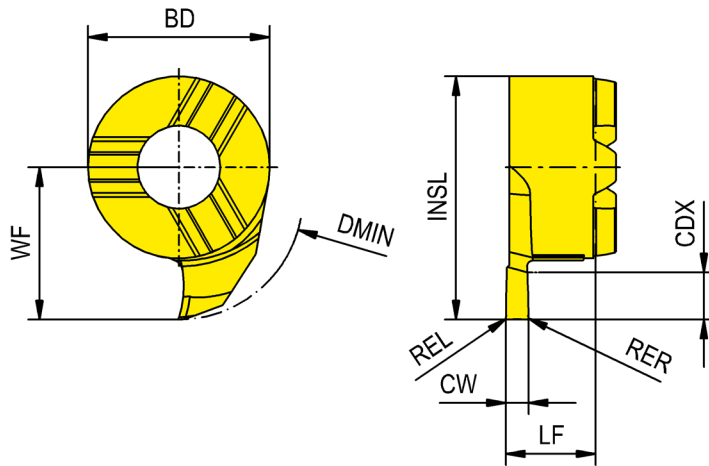
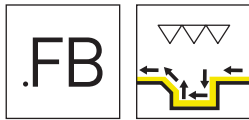


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M		MG12	EG55	TH35	TI25	TN35
R111.0200.02	11	2	2,3	0,2	0,2	3,95	6,7	8	10,7	11108084N		▲	▲	▲	▲	▲
L111.0200.02	11	2	2,3	0,2	0,2	3,95	6,7	8	10,7	11108084N			▲	▲	Δ	▲
											P	-	•	•	•	•
											M	-	•	•	•	-
											K	-	•	-	-	•
											N	o	-	-	•	-
											S	-	-	-	-	-
											H	-	-	-	-	-



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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	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG35
R111.FB10.01	11	1	2,3	0,1	0,1	3,95	6,7	8	10,7	11108084N	▲
R111.FB15.01	11	1,5	2,3	0,1	0,1	3,95	6,7	8	10,7	11108084N	▲
L111.FB10.01	11	1	2,3	0,1	0,1	3,95	6,7	8	10,7	11108084N	▲
L111.FB15.01	11	1,5	2,3	0,1	0,1	3,95	6,7	8	10,7	11108084N	▲
											P ●
											M ●
											K ●
											N o
											S -
											H -

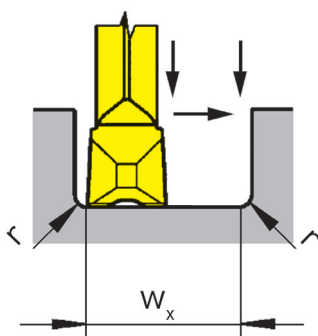
Berechnung der kleinstmöglichen Nutbreite w_x : Calculation of the smallest possible width of groove w_x :

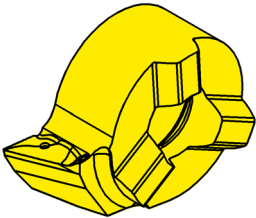
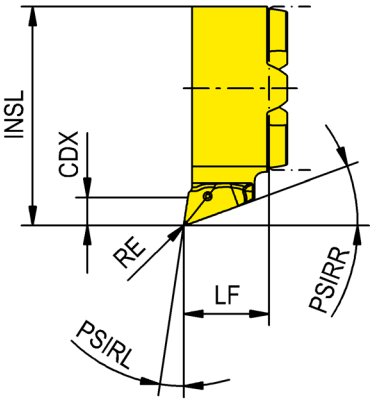
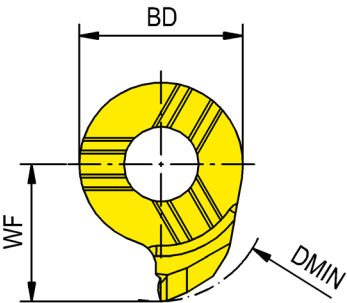
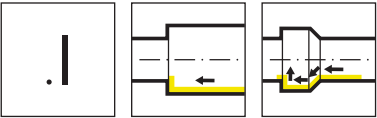
Beispiel R111.FB10.01
Example

$w_x = 2 \cdot \text{Schneidbreite CW (1 mm)} - 2 \cdot \text{Eckenradius r (0,1 mm, entspricht REL und RER der Schneidplatte)}$
2 · width of groove CW (1 mm) - 2 · corner radius r (0,1 mm, corresponds to the REL and RER of the insert)

$w_x = (2 \cdot 1 \text{ mm}) - (2 \cdot 0,1 \text{ mm})$

$w_x = 1,8 \text{ mm}$

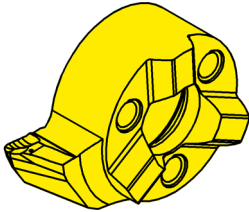
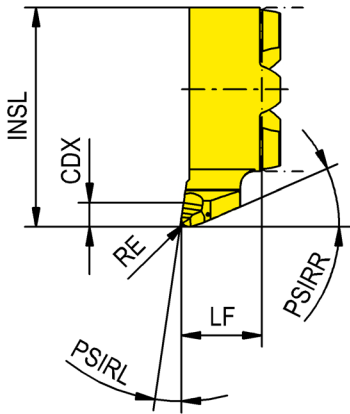
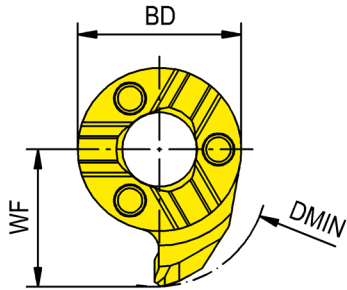
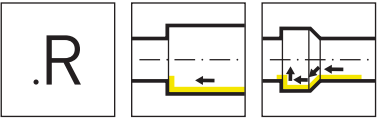




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Sorten Grades	
▲ ab Lager	Δ 4 Wochen
▲ on stock	Δ 4 weeks

Artikelnummer Part number	DMIN	RE	CDX	PS/RL	PS/RR	LF	WF	BD	INSL	Trennstelle M Interface M	IG35	TH35
RS111.0820.105	11	0,05	1,3	8,5°	20°	4,17	6,7	8	10,7	11108084N	Δ	Δ
RS111.0820.110	11	0,1	1,3	8,5°	20°	4,18	6,7	8	10,7	11108084N	▲	▲
RS111.0820.120	11	0,2	1,3	8,5°	20°	4,2	6,7	8	10,7	11108084N	▲	▲
											P	●
											M	●
											K	●
											N	o
											S	o
											H	-

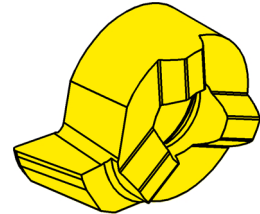
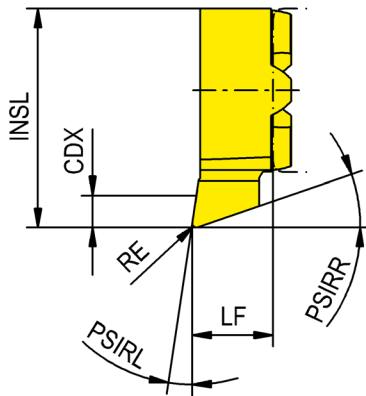
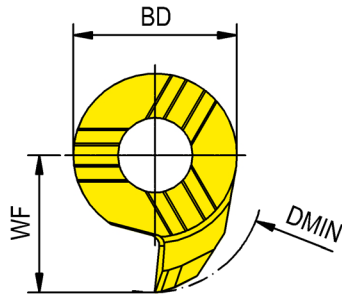
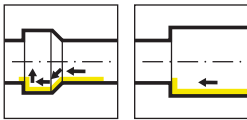


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L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS111.1867.R2	11	0,2	1,1	8,5°	20°	3,95	6,7	8	10,7	11108084N	▲	▲
RS111.1867.R4	11	0,4	1,1	8,5°	20°	3,95	6,7	8	10,7	11108084N	▲	▲
LS111.1867.R2	11	0,2	1,1	8,5°	20°	3,95	6,7	8	10,7	11108084N	▲	▲
LS111.1867.R4	11	0,4	1,1	8,5°	20°	3,95	6,7	8	10,7	11108084N	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

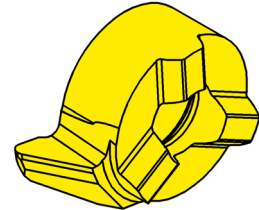
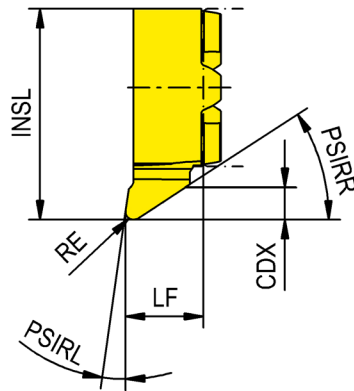
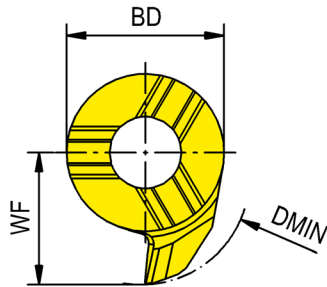
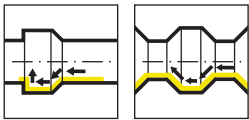


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R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	T125	TN35
R111.1855.02	9,8	0,2	1	8,5°	19°	3,95	5,5	8	9,5	11108084N	▲	▲	▲	▲
R111.1867.02	11	0,2	1	8,5°	19°	3,95	6,7	8	10,7	11108084N	▲	▲	▲	▲
L111.1855.02	9,8	0,2	1	8,5°	19°	3,95	5,5	8	9,5	11108084N	▲	▲	▲	▲
L111.1867.02	11	0,2	1	8,5°	19°	3,95	6,7	8	10,7	11108084N	▲	▲	▲	▲
											P	●	●	●
											M	●	●	-
											K	●	-	●
											N	-	●	-
											S	-	-	-
											H	-	-	-

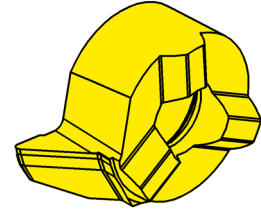
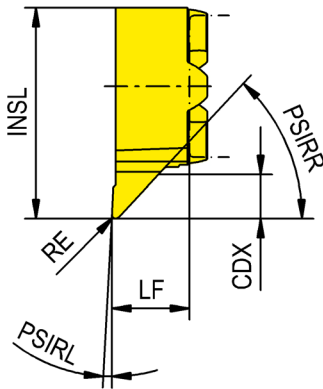
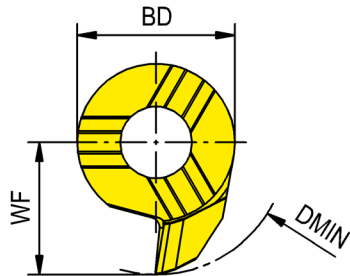
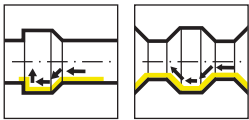


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R111.3367.02	11	0,2	1,8	8°	33°	3,95	6,7	8	10,7	11108084N	▲
R111.3367.04	11	0,4	1,6	8°	33°	3,95	6,7	8	10,7	11108084N	▲
L111.3367.02	11	0,2	1,8	8°	33°	3,95	6,7	8	10,7	11108084N	Δ
L111.3367.04	11	0,4	1,6	8°	33°	3,95	6,7	8	10,7	11108084N	Δ
										P	●
										M	●
										K	●
										N	-
										S	-
										H	-

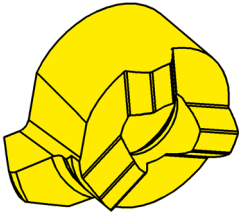
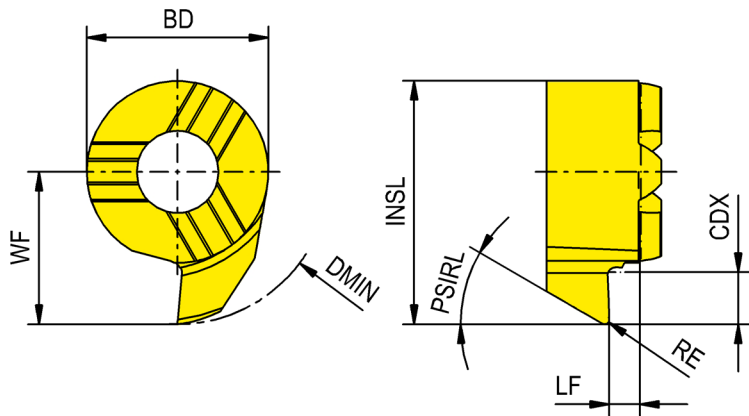
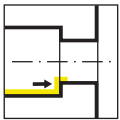


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M		EG55	TH35	TI25	TN35
R111.4767.02	11	0,2	2,3	3°	47°	3,95	6,7	8	10,7	11108084N		▲	▲	▲	▲
R111.4767.04	11	0,4	2,3	3°	47°	3,95	6,7	8	10,7	11108084N		▲	▲	▲	▲
L111.4767.02	11	0,2	2,3	3°	47°	3,95	6,7	8	10,7	11108084N		▲	▲	▲	▲
L111.4767.04	11	0,4	2,3	3°	47°	3,95	6,7	8	10,7	11108084N		▲	▲	Δ	▲
											P	●	●	●	●
											M	●	●	●	-
											K	●	-	-	●
											N	-	-	●	-
											S	-	-	-	-
											H	-	-	-	-

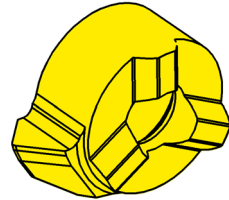
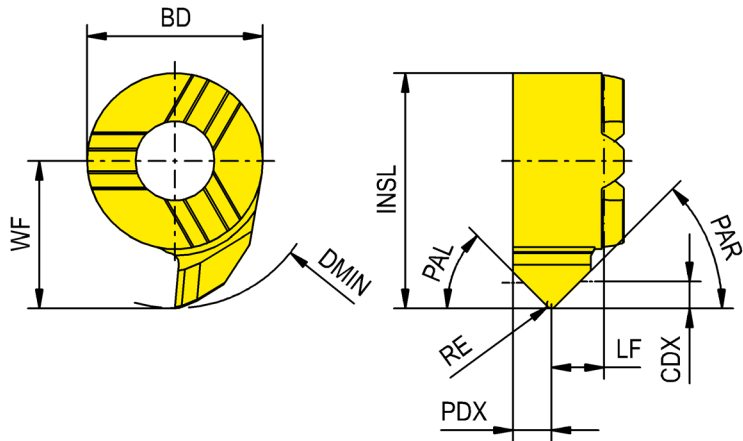
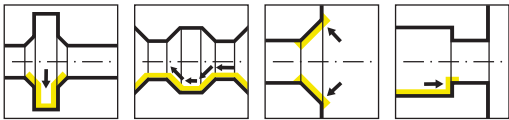


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R111.3067.02	11	0,2	2,3	30°	1,4	6,7	8	10,7	11108084N	▲	▲	▲
R111.3067.04	11	0,4	2,3	30°	1,4	6,7	8	10,7	11108084N	Δ	▲	-
L111.3067.02	11	0,2	2,3	30°	1,4	6,7	8	10,7	11108084N	▲	▲	▲
L111.3067.04	11	0,4	2,3	30°	1,4	6,7	8	10,7	11108084N	Δ	Δ	▲
P	●	●	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●	●	●
N	-	-	-	-	-	-	-	-	-	-	-	-
S	-	-	-	-	-	-	-	-	-	-	-	-
H	-	-	-	-	-	-	-	-	-	-	-	-

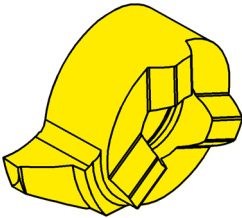
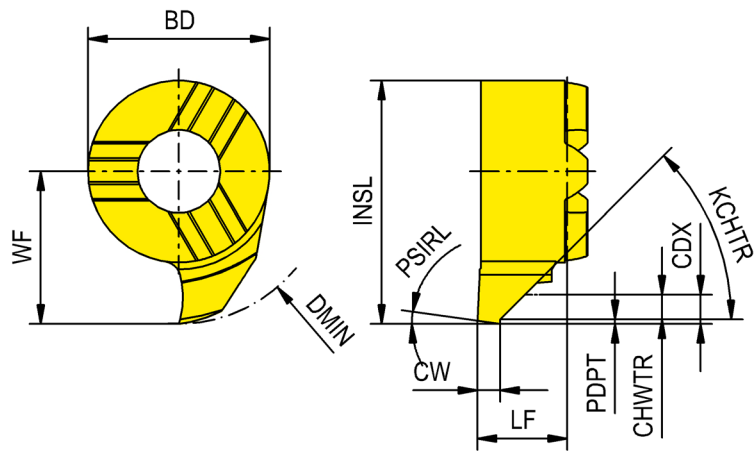
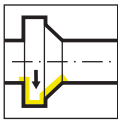


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PAL	PAR	PDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TN35
R111.4545.02	11	0,2	1,5	45°	45°	1,75	2,4	6,7	8	10,7	11108084N	▲	▲
L111.4545.02	11	0,2	1,5	45°	45°	1,75	2,4	6,7	8	10,7	11108084N	▲	▲
												P	●
												M	●
												K	●
												N	-
												S	-
												H	-

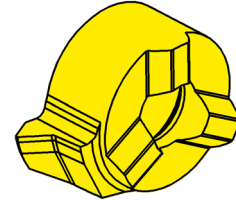
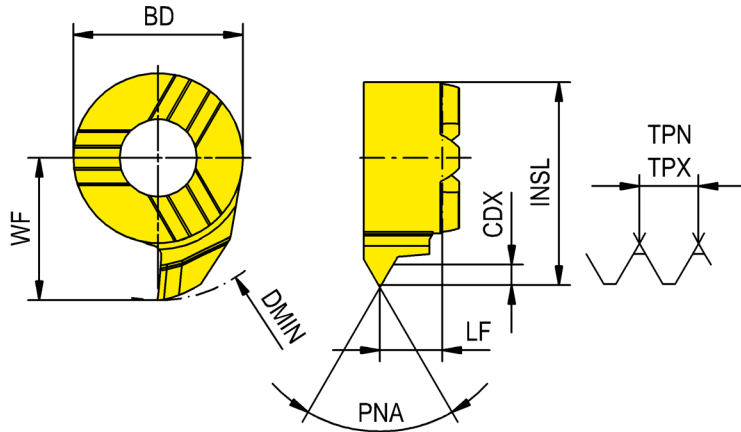


R = rechts wie gezeichnet
R = right hand version shown

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	PDPT	CHWTR	PSIRL	KCHTR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	T125
R111.0810.45	11	1,02	1,5	0,2	1,5	8°	45°	3,95	6,7	8	10,7	11108084N	▲	▲
L111.0810.45	11	1,02	1,5	0,2	1,5	8°	45°	3,95	6,7	8	10,7	11108084N	▲	▲
													P	● ●
													M	● ●
													K	● -
													N	- ●
													S	- -
													H	- -

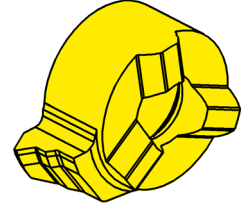
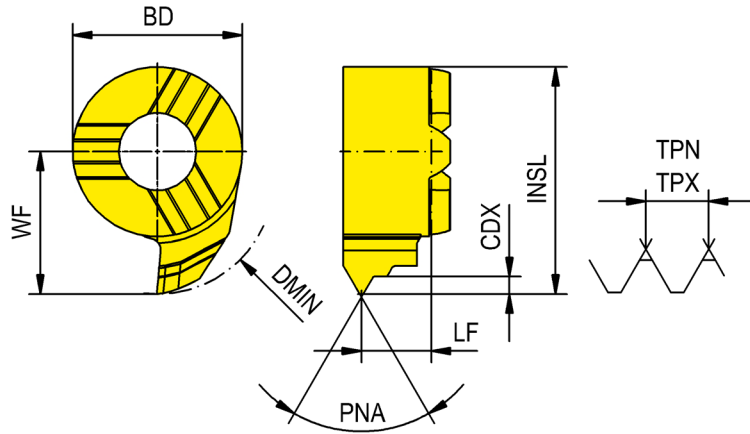


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R111.0205.01	11	0,5	0,75	60°	0,4	3,5	6,7	8	10,7	11108084N	▲	▲	▲
R111.0510.01	11	1	1,25	60°	0,7	3,3	6,7	8	10,7	11108084N	▲	▲	▲
R111.0815.01	11	1,5	1,75	60°	1	3,3	6,7	8	10,7	11108084N	▲	▲	▲
R111.1020.01	11	2	2	60°	1,1	3	6,7	8	10,7	11108084N	▲	▲	▲
R111.1325.01	11	2,5	2,5	60°	1,4	2,8	6,7	8	10,7	11108084N	▲	▲	▲
L111.0205.01	11	0,5	0,75	60°	0,4	3,5	6,7	8	10,7	11108084N	△	△	▲
L111.0510.01	11	1	1,25	60°	0,7	3,3	6,7	8	10,7	11108084N	▲	△	▲
L111.0815.01	11	1,5	1,75	60°	1	3,3	6,7	8	10,7	11108084N	▲	△	▲
L111.1020.01	11	2	2	60°	1,1	3	6,7	8	10,7	11108084N	△	△	▲
L111.1325.01	11	2,5	2,5	60°	1,4	2,8	6,7	8	10,7	11108084N			▲
P											●	●	●
M											●	●	-
K											●	-	●
N											-	-	-
S											-	-	-
H											-	-	-



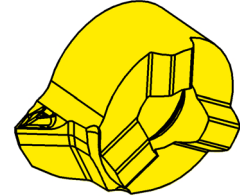
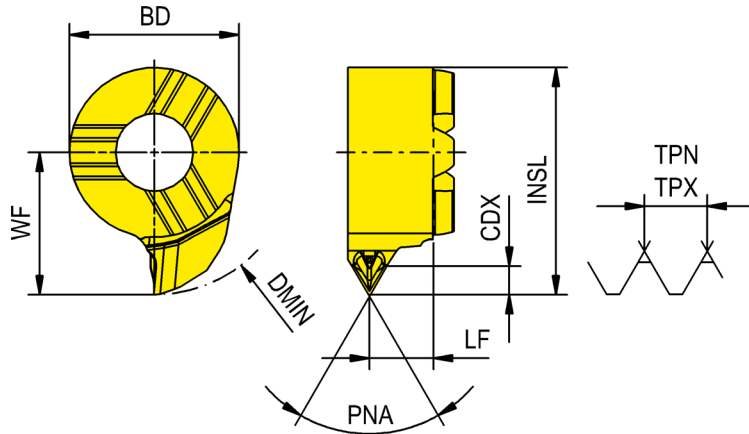
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

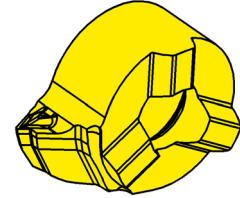
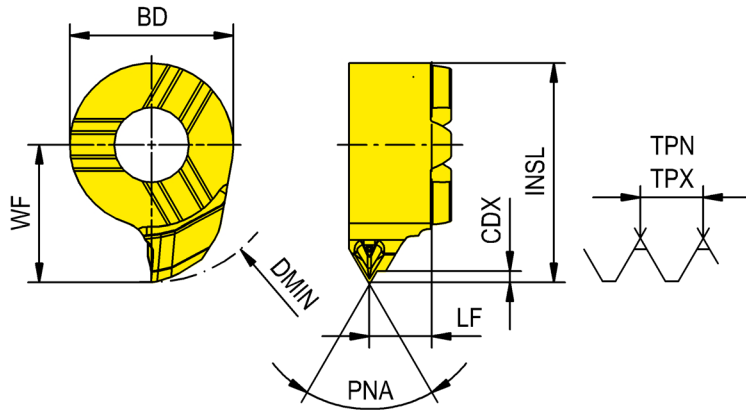
Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INS	Trennstelle M Interface M	EG55	TN35
R111.0510.02	11	1	1	60°	0,64	3,3	6,7	8	10,7	11108084N	▲	▲
R111.0815.02	11	1,5	1,5	60°	0,96	3,3	6,7	8	10,7	11108084N	▲	▲
R111.1020.02	11	2	2	60°	1,29	3	6,7	8	10,7	11108084N	▲	▲
R111.1325.02	11	2,5	2,5	60°	1,62	2,8	6,7	8	10,7	11108084N	▲	▲
R111.1630.02	11	3	3	60°	1,94	2,8	6,7	8	10,7	11108084N	▲	▲
L111.0510.02	11	1	1	60°	0,64	3,3	6,7	8	10,7	11108084N	Δ	▲
L111.0815.02	11	1,5	1,5	60°	0,96	3,3	6,7	8	10,7	11108084N	▲	▲
L111.1020.02	11	2	2	60°	1,29	3	6,7	8	10,7	11108084N	▲	▲
L111.1325.02	11	2,5	2,5	60°	1,62	2,8	6,7	8	10,7	11108084N	Δ	Δ
L111.1630.02	11	3	3	60°	1,94	2,8	6,7	8	10,7	11108084N	Δ	Δ
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-



R = rechts wie gezeichnet
R = right hand version shown

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

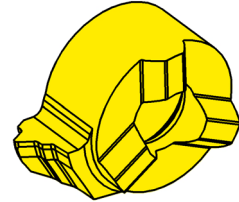
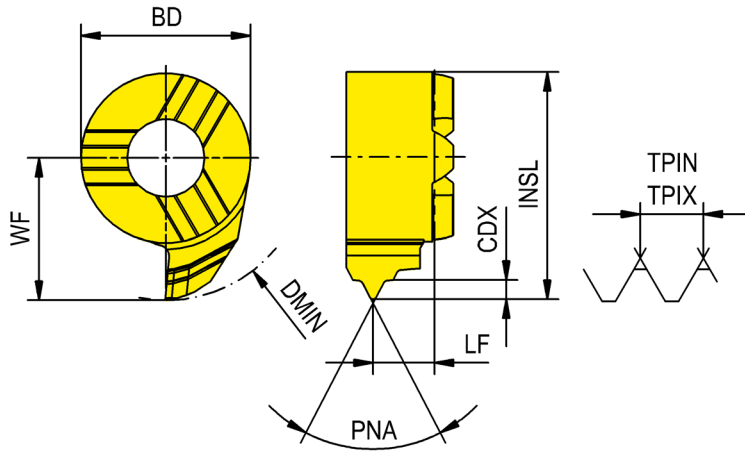
Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
RS111.0205.GM1	11	0,5	0,75	60°	0,4	3,1	6,7	8	10,7	11108084N	▲
RS111.0510.GM1	11	1	1,25	60°	0,7	3,1	6,7	8	10,7	11108084N	▲
RS111.0815.GM1	11	1,5	1,75	60°	1	3,1	6,7	8	10,7	11108084N	▲
RS111.1020.GM1	11	2	2	60°	0,7	3,1	6,7	8	10,7	11108084N	▲
LS111.0205.GM1	11	0,5	0,75	60°	0,4	3,1	6,7	8	10,7	11108084N	▲
LS111.0510.GM1	11	1	1,25	60°	0,7	3,1	6,7	8	10,7	11108084N	▲
LS111.0815.GM1	11	1,5	1,75	60°	1	3,1	6,7	8	10,7	11108084N	▲
LS111.1020.GM1	11	2	2	60°	0,7	3,1	6,7	8	10,7	11108084N	▲
											P ●
											M ●
											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	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INS	Trennstelle M Interface M	EG55
RS111.0510.GM2	11	1	1	60°	0,7	3,1	6,7	8	10,7	11108084N	▲
RS111.0815.GM2	11	1,5	1,5	60°	1	3,1	6,7	8	10,7	11108084N	▲
RS111.1020.GM2	11	2	2	60°	0,7	3,1	6,7	8	10,7	11108084N	▲
LS111.0510.GM2	11	1	1	60°	0,7	3,1	6,7	8	10,7	11108084N	▲
LS111.0815.GM2	11	1,5	1,5	60°	1	3,1	6,7	8	10,7	11108084N	▲
LS111.1020.GM2	11	2	2	60°	0,7	3,1	6,7	8	10,7	11108084N	▲
										P	●
										M	●
										K	●
										N	-
										S	-
										H	-

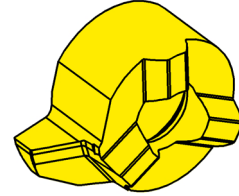
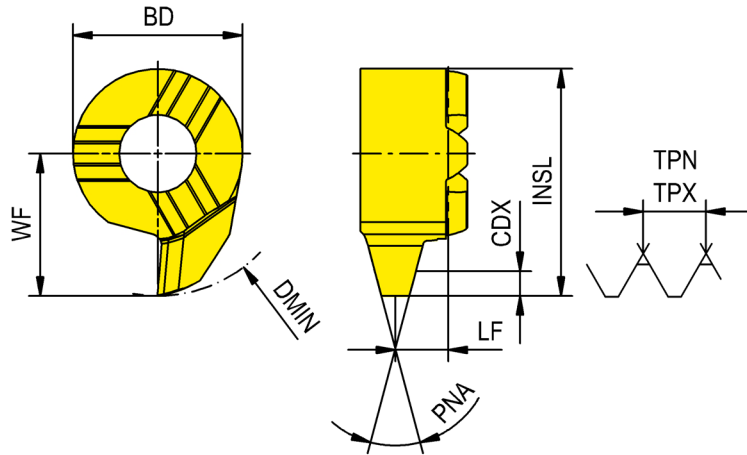


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	TPIN	TPIX	PNA	CDX	LF	WF	BD	INS	Trennstelle M Interface M	EG55	TN35
R111.5514.02	11	14	14	55°	1,17	2,5	6,7	8	10,7	11108084N	▲	▲
R111.5519.02	11	19	19	55°	0,87	2,9	6,7	8	10,7	11108084N	▲	▲
L111.5514.02	11	14	14	55°	1,17	2,5	6,7	8	10,7	11108084N	Δ	▲
L111.5519.02	11	19	19	55°	0,87	2,9	6,7	8	10,7	11108084N	▲	▲
											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	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INS	Trennstelle M Interface M	EG55	TN35
R111.1015.01	11	1,5	1,5	30°	0,9	3,5	6,7	8	10,7	11108084N	▲	▲
R111.1220.01	11	2	2	30°	1,25	3,3	6,7	8	10,7	11108084N	▲	▲
R111.2240.01	11	4	4	30°	2,25	2,5	6,7	8	10,7	11108084N	▲	▲
L111.1015.01	11	1,5	1,5	30°	0,9	3,5	6,7	8	10,7	11108084N	Δ	Δ
L111.1220.01	11	2	2	30°	1,25	3,3	6,7	8	10,7	11108084N	▲	▲
L111.2240.01	11	4	4	30°	2,25	2,5	6,7	8	10,7	11108084N	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

Kapitel Chapter	A			B								
	A1	A2	A3	B1	B2	B3	B4	B5	B6	B7	B8	B9
System System	105	109	110	106	107	108	10P	111	11P	114	116	18P

Ø DMIN

≥ 0,2	•											
≥ 0,5	•											
≥ 0,7	•											
≥ 1,0	•											
≥ 1,5	•											
≥ 2,0	•											
≥ 3,0	•											
≥ 4,0	•											
≥ 5,0	•											
≥ 6,0	•	•	•	•								
≥ 6,5				•								
≥ 6,8	•	•			•							
≥ 7,0	•	•			•							
≥ 7,8						•						
≥ 8,0			•		•	•						
≥ 9,0							•					
≥ 10,0			•				•	•	•			
≥ 10,5									•			
≥ 11,0								•				
≥ 11,5									•			
≥ 13,8										•		
≥ 14,0										•		
≥ 15,5											•	
≥ 16,0										•	•	
≥ 16,5										•		
≥ 17,5												•
≥ 18,0												•
≥ 20,0												•

Bearbeitung / Machining

	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•			•	•		•		•	•	
	•	•		•	•	•	•	•	•	•	•	
	•	•	•							•		
	•	•	•	•	•	•	•	•	•	•	•	•

B6

11P



Klemmhalter und Schneidplatten

ab Bohrung Ø 10 mm

Toolholder and Inserts

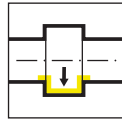
from bore Ø 10 mm

B6

Inhaltsangabe

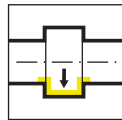
Summary

Klemmhalter
Toolholder
B11P



Seite/Page
307-308

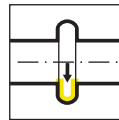
Schneidplatte
Insert
11P/S11P



Seite/Page
309-310, 313-314



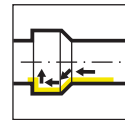
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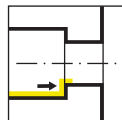
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312



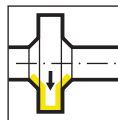
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316



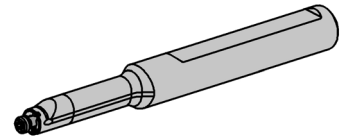
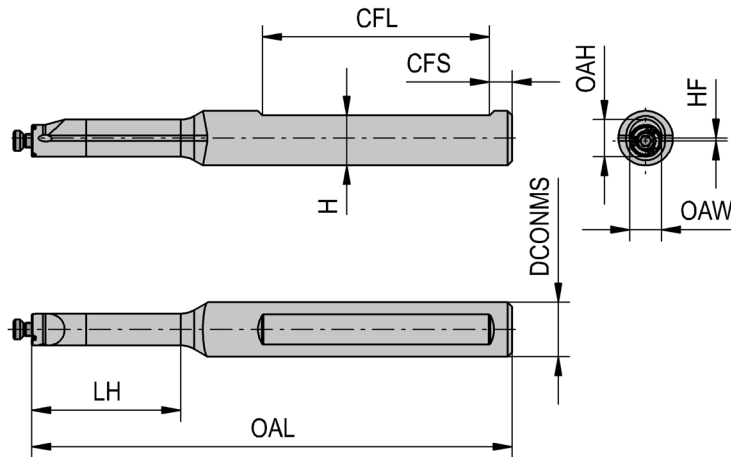
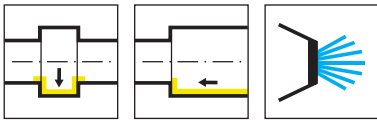
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319



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320



R = rechts wie gezeichnet
R = right hand version shown

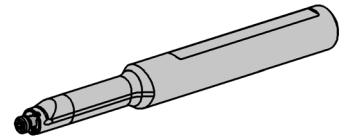
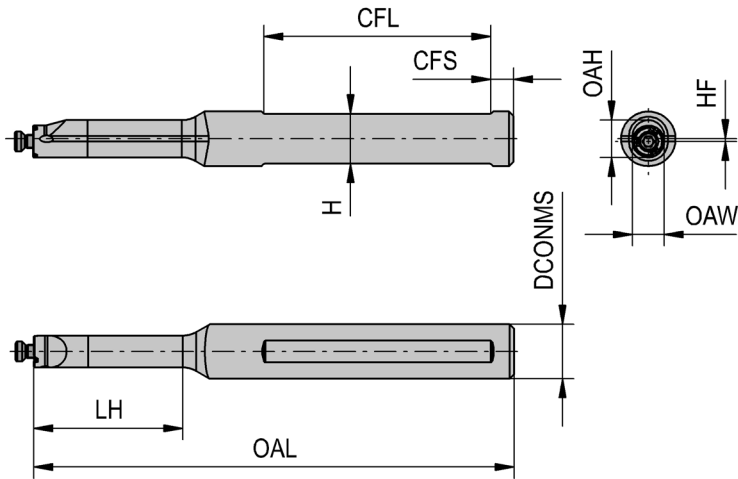
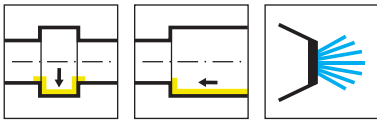
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	LH	OAL	CFL	H	CFS	OAH	OAW	HF	Trennstelle W Interface W
RB11P.0012.00	12	10,8	70,8	40	11	5	8,2	7	0,6	11P07084R
RB11P.0012.01	12	21,8	90,8	50	11	5	8,2	7	0,6	11P07084R
RB11P.0012.02	12	32,8	105,8	50	11	5	8,2	7	0,6	11P07084R
RB11P.0012.03	12	45,8	115,8	50	11	5	8,2	7	0,6	11P07084R
LB11P.0012.00	12	10,8	70,8	40	11	5	8,2	7	0,6	11P07084L
LB11P.0012.01	12	21,8	90,8	50	11	5	8,2	7	0,6	11P07084L
LB11P.0012.02	12	32,8	105,8	50	11	5	8,2	7	0,6	11P07084L
LB11P.0012.03	12	45,8	115,8	50	11	5	8,2	7	0,6	11P07084L

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB11P...	3.10T9P	T9PL



R = rechts wie gezeichnet
R = right hand version shown

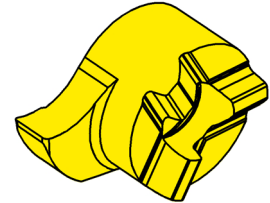
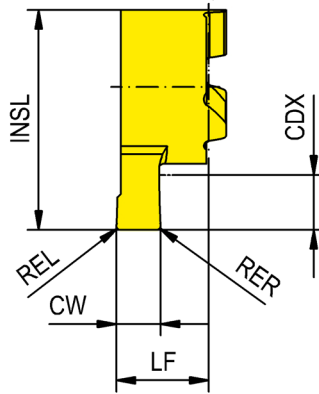
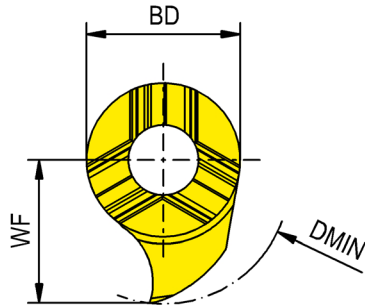
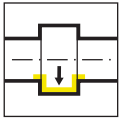
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	LH	OAL	CFL	H	CFS	OAH	OAW	HF	Trennstelle W Interface W
RB11P.0012.2.00	12	10,8	70,8	40	11	5	8,2	7	0,6	11P07084R
RB11P.0012.2.01	12	21,8	90,8	50	11	5	8,2	7	0,6	11P07084R
RB11P.0012.2.02	12	32,8	105,8	50	11	5	8,2	7	0,6	11P07084R
RB11P.0012.2.03	12	45,8	115,8	50	11	5	8,2	7	0,6	11P07084R
LB11P.0012.2.00	12	10,8	70,8	40	11	5	8,2	7	0,6	11P07084L
LB11P.0012.2.01	12	21,8	90,8	50	11	5	8,2	7	0,6	11P07084L
LB11P.0012.2.02	12	32,8	105,8	50	11	5	8,2	7	0,6	11P07084L
LB11P.0012.2.03	12	45,8	115,8	50	11	5	8,2	7	0,6	11P07084L

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB11P...	3.10T9P	T9PL

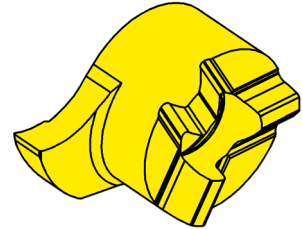
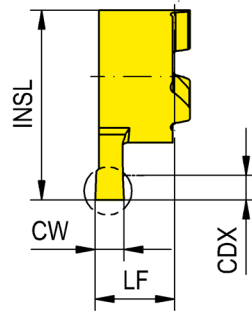
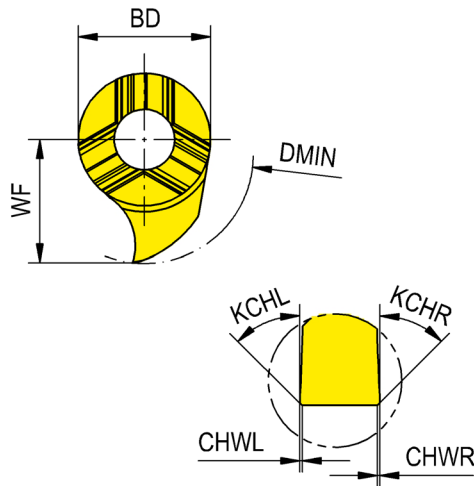
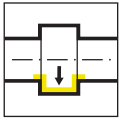


R = rechts wie gezeichnet
R = right hand version shown

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	TH35
R11P.0200.1.02	10,5	2,01	2,5	0,2	0,2	4,2	6,5	7	10	11P07084R	▲	▲
R11P.0250.1.02	10,5	2,51	2,5	0,2	0,2	4,2	6,5	7	10	11P07084R	▲	▲
R11P.0300.1.02	10,5	3,01	2,5	0,2	0,2	4,2	6,5	7	10	11P07084R	▲	▲
L11P.0200.1.02	10,5	2,01	2,5	0,2	0,2	4,2	6,5	7	10	11P07084L	▲	▲
L11P.0250.1.02	10,5	2,51	2,5	0,2	0,2	4,2	6,5	7	10	11P07084L	▲	▲
L11P.0300.1.02	10,5	3,01	2,5	0,2	0,2	4,2	6,5	7	10	11P07084L	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-



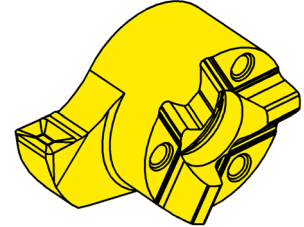
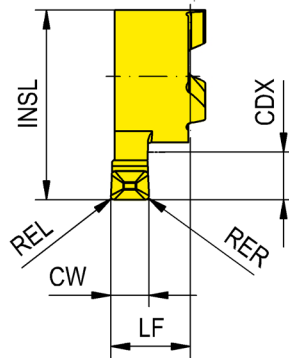
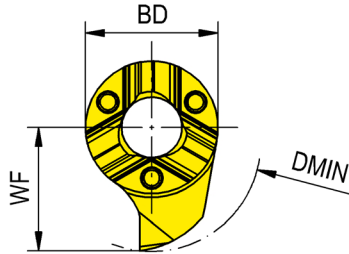
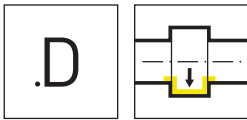
R = rechts wie gezeichnet
R = right hand version shown

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	TH35
R11P.0100.1.00	10,5	1,01	2,5	0,05	45°	0,05	45°	4,2	6,5	7	10	11P07084R	▲	▲
R11P.0150.1.00	10,5	1,51	2,5	0,05	45°	0,05	45°	4,2	6,5	7	10	11P07084R	▲	▲
L11P.0100.1.00	10,5	1,01	2,5	0,05	45°	0,05	45°	4,2	6,5	7	10	11P07084L	Δ	Δ
L11P.0150.1.00	10,5	1,51	2,5	0,05	45°	0,05	45°	4,2	6,5	7	10	11P07084L	Δ	Δ
													P	●
													M	●
													K	●
													N	-
													S	-
													H	-



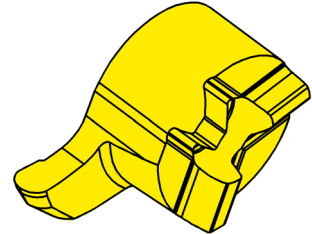
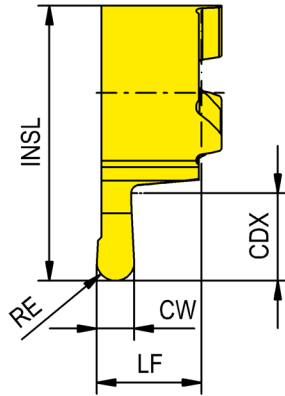
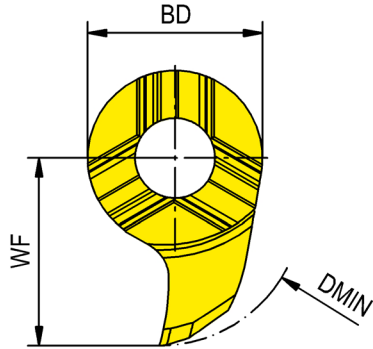
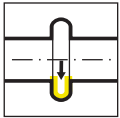
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS11P.0150.1.D1	10,5	1,51	2,5	0,1	0,1	4,2	6,5	7	10	11P07084R	▲	▲
RS11P.0200.1.D2	10,5	2,01	2,5	0,2	0,2	4,2	6,5	7	10	11P07084R	▲	▲
RS11P.0250.1.D2	10,5	2,51	2,5	0,2	0,2	4,2	6,5	7	10	11P07084R	▲	▲
LS11P.0150.1.D1	10,5	1,51	2,5	0,1	0,1	4,2	6,5	7	10	11P07084L	Δ	▲
LS11P.0200.1.D2	10,5	2,01	2,5	0,2	0,2	4,2	6,5	7	10	11P07084L	Δ	▲
LS11P.0250.1.D2	10,5	2,51	2,5	0,2	0,2	4,2	6,5	7	10	11P07084L	Δ	Δ
											P	●
											M	●
											K	●
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											S	-
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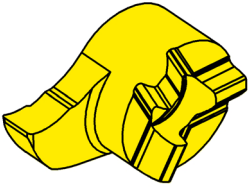
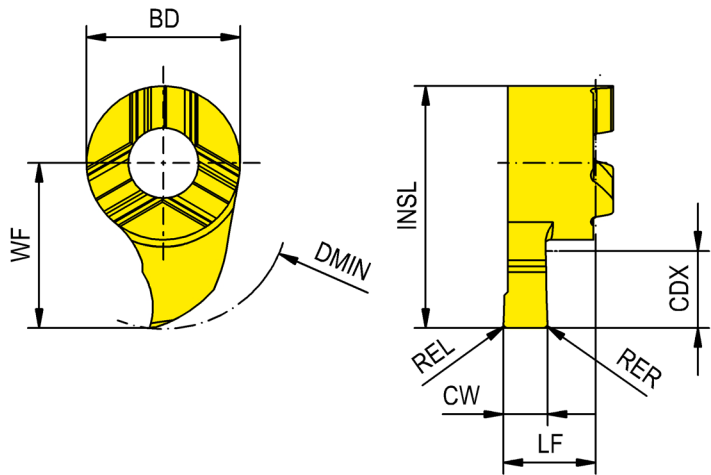
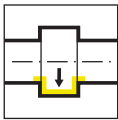


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	RE	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R11P.0005.2.10	11,5	1,01	0,50	3,5	4,2	7,5	7	7,8	11P07084R	▲
R11P.0007.2.15	11,5	1,51	0,75	3,5	4,2	7,5	7	7,8	11P07084R	▲
R11P.0009.2.18	11,5	1,81	0,90	3,5	4,2	7,5	7	7,8	11P07084R	▲
R11P.0010.2.20	11,5	2,01	1,00	3,5	4,2	7,5	7	7,8	11P07084R	▲
L11P.0005.2.10	11,5	1,01	0,50	3,5	4,2	7,5	7	7,8	11P07084L	▲
L11P.0007.2.15	11,5	1,51	0,75	3,5	4,2	7,5	7	7,8	11P07084L	▲
L11P.0009.2.18	11,5	1,81	0,90	3,5	4,2	7,5	7	7,8	11P07084L	▲
L11P.0010.2.20	11,5	2,01	1,00	3,5	4,2	7,5	7	7,8	11P07084L	▲
										P ●
										M ●
										K ●
										N -
										S -
										H -

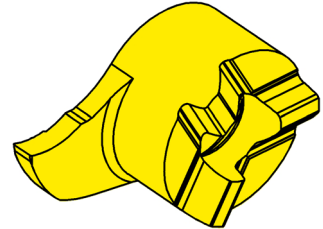
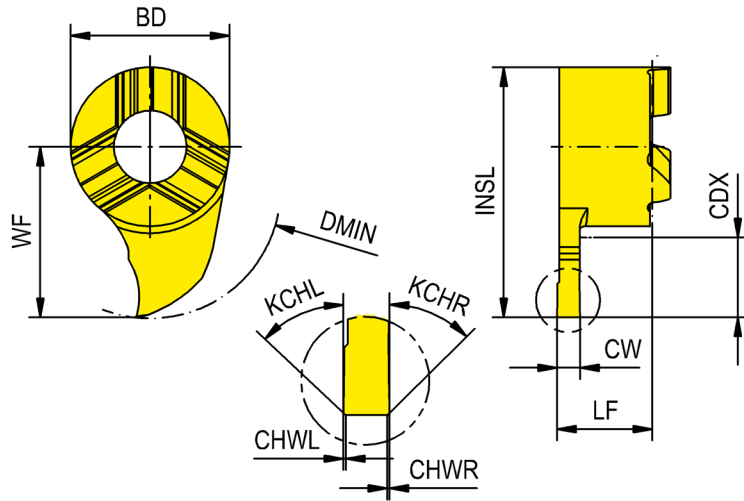
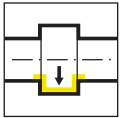


R = rechts wie gezeichnet
R = right hand version shown

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	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M		EG55	TH35
R11P.0200.2.02	11,5	2,01	3,5	0,2	0,2	4,2	7,5	7	11	11P07084R		▲	▲
L11P.0200.2.02	11,5	2,01	3,5	0,2	0,2	4,2	7,5	7	11	11P07084L		▲	▲
											P	●	●
											M	●	●
											K	●	-
											N	-	-
											S	-	-
											H	-	-



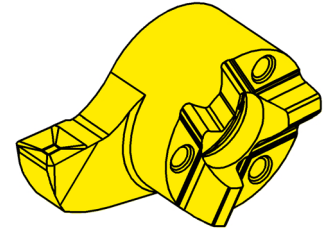
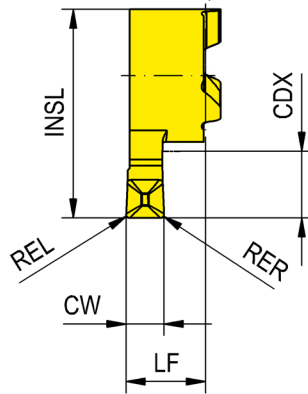
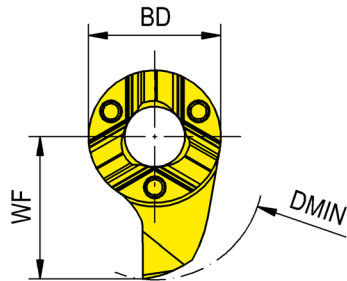
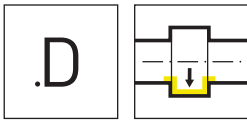
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	CW	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
R11P.0100.2.00	11,5	1,01	3,5	0,05	45°	0,05	45°	4,2	7,5	7	11	11P07084R	▲	▲
R11P.0150.2.00	11,5	1,51	3,5	0,05	45°	0,05	45°	4,2	7,5	7	11	11P07084R	▲	▲
L11P.0100.2.00	11,5	1,01	3,5	0,05	45°	0,05	45°	4,2	7,5	7	11	11P07084L	Δ	▲
L11P.0150.2.00	11,5	1,51	3,5	0,05	45°	0,05	45°	4,2	7,5	7	11	11P07084L	Δ	▲
													P	●
													M	●
													K	●
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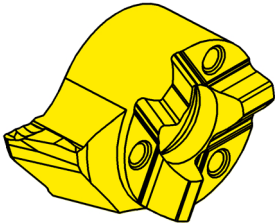
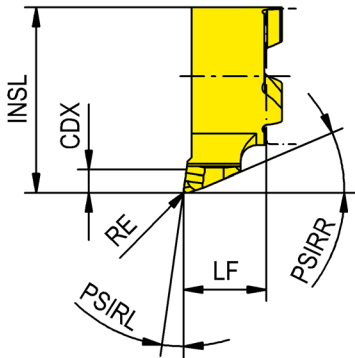
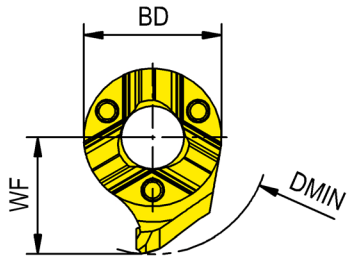
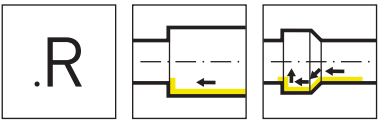


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS11P.0150.2.D1	11,5	1,51	3,5	0,1	0,1	4,2	7,5	7	11	11P07084R	▲	▲
RS11P.0200.2.D2	11,5	2,01	3,5	0,2	0,2	4,2	7,5	7	11	11P07084R	▲	▲
RS11P.0250.2.D2	11,5	2,51	3,5	0,2	0,2	4,2	7,5	7	11	11P07084R	▲	▲
LS11P.0150.2.D1	11,5	1,51	3,5	0,1	0,1	4,2	7,5	7	11	11P07084L	Δ	▲
LS11P.0200.2.D2	11,5	2,01	3,5	0,2	0,2	4,2	7,5	7	11	11P07084L	▲	▲
LS11P.0250.2.D2	11,5	2,51	3,5	0,2	0,2	4,2	7,5	7	11	11P07084L	Δ	▲
										P	●	●
										M	●	●
										K	●	-
										N	-	-
										S	-	-
										H	-	-

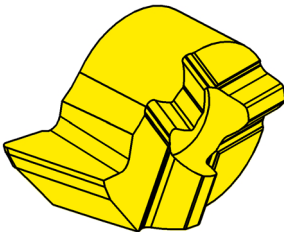
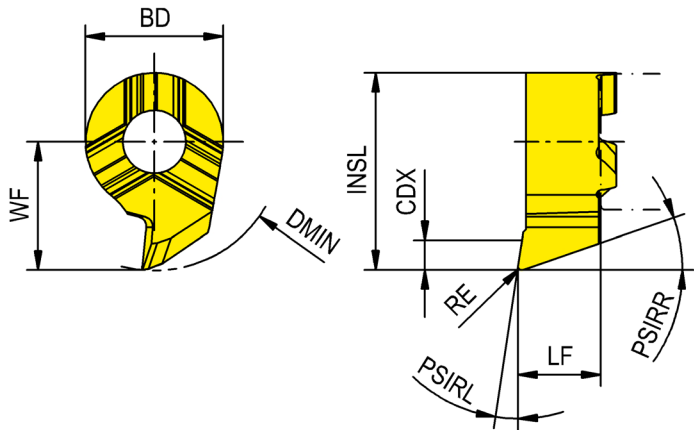
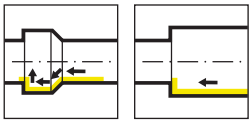


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS11P.1859.R2	9,8	0,2	1,3	8,5°	20°	4,2	5,9	6	9,4	11P07084R	▲	▲
RS11P.1859.R4	9,8	0,4	1,3	8,5°	20°	4,2	5,9	6	9,4	11P07084R	▲	▲
LS11P.1859.R2	9,8	0,2	1,3	8,5°	20°	4,2	5,9	6	9,4	11P07084L	▲	▲
LS11P.1859.R4	9,8	0,4	1,3	8,5°	20°	4,2	5,9	6	9,4	11P07084L	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

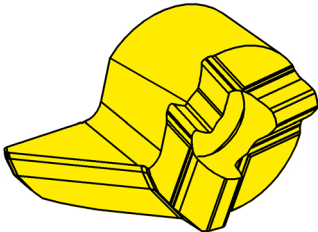
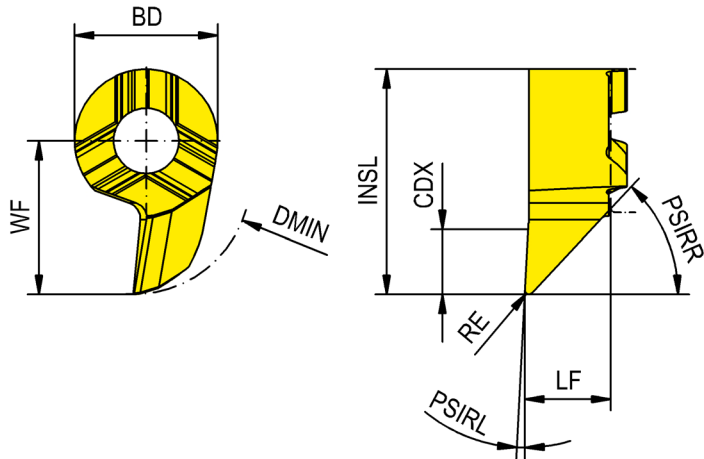
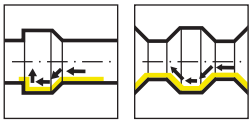


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PS/RL	PS/RR	LF	WF	BD	INSL	Trennstelle M Interface M		EG55	TH35
R11P.1865.1.02	10,5	0,2	1,5	8,5°	19°	4,2	6,5	6	10	11P07084R		▲	▲
L11P.1865.1.02	10,5	0,2	1,5	8,5°	19°	4,2	6,5	6	10	11P07084L		Δ	▲
											P	●	●
											M	●	●
											K	●	-
											N	-	-
											S	-	-
											H	-	-

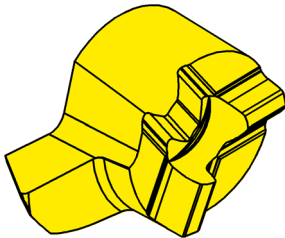
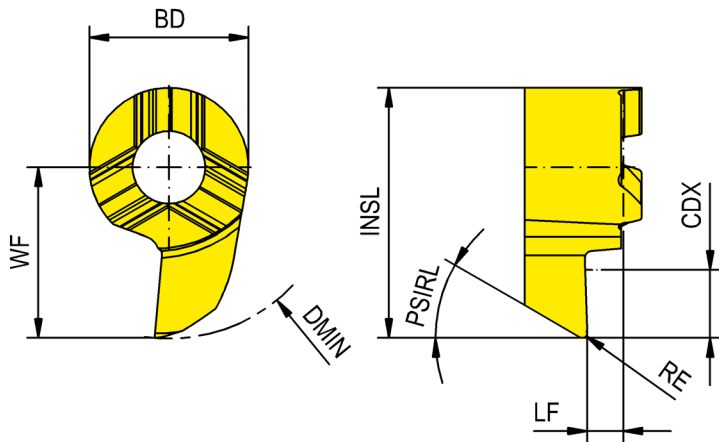
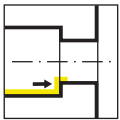


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R11P.4775.2.02	11,5	0,2	3,5	3°	47°	4,2	7,5	7	11	11P07084R	▲
R11P.4775.2.02	11,5	0,2	3,5	3°	47°	4,2	7,5	7	11	11P07084R	▲
L11P.4775.2.02	11,5	0,2	3,5	3°	47°	4,2	7,5	7	11	11P07084L	▲
L11P.4775.2.02	11,5	0,2	3,5	3°	47°	4,2	7,5	7	11	11P07084L	▲
											P ●
											M ●
											K ●
											N -
											S -
											H -

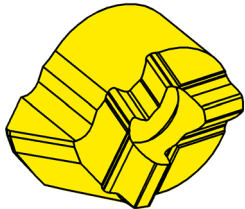
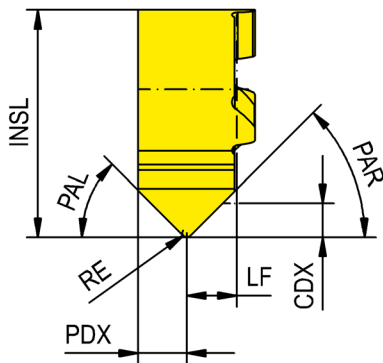
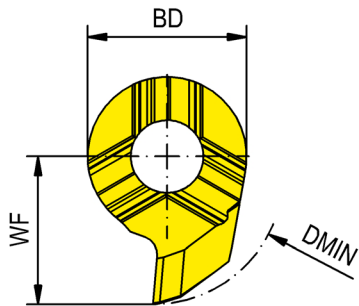
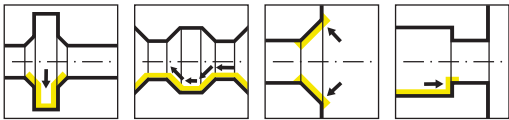


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R11P.3075.2.02	11,5	0,2	3,5	30°	1,6	7,5	6	11	11P07084R	▲
L11P.3075.2.02	11,5	0,2	3,5	30°	1,6	7,5	6	11	11P07084L	▲
									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	RE	CDX	PAL	PAR	PDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R11P.4545.1.02	10,5	0,2	1,7	45°	45°	1,15	2,2	6,5	7	10	11P07084R	▲
L11P.4545.1.02	10,5	0,2	1,7	45°	45°	1,15	2,2	6,5	7	10	11P07084L	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-



Kapitel Chapter	A			B								
	A1	A2	A3	B1	B2	B3	B4	B5	B6	B7	B8	B9
System System	105	109	110	106	107	108	10P	111	11P	114	116	18P

Ø DMIN

≥ 0,2	•											
≥ 0,5	•											
≥ 0,7	•											
≥ 1,0	•											
≥ 1,5	•											
≥ 2,0	•											
≥ 3,0	•											
≥ 4,0	•											
≥ 5,0	•											
≥ 6,0	•	•	•	•								
≥ 6,5				•								
≥ 6,8	•	•			•							
≥ 7,0	•	•			•							
≥ 7,8						•						
≥ 8,0			•		•	•						
≥ 9,0							•					
≥ 10,0			•				•	•	•			
≥ 10,5									•			
≥ 11,0								•				
≥ 11,5									•			
≥ 13,8										•		
≥ 14,0										•		
≥ 15,5											•	
≥ 16,0										•	•	
≥ 16,5										•		
≥ 17,5												•
≥ 18,0												•
≥ 20,0												•

Bearbeitung / Machining

	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•			•	•		•		•	•	
	•	•		•	•	•	•	•	•	•	•	
	•	•	•							•		
	•	•	•	•	•	•	•	•	•	•	•	•

114



Klemmhalter und Schneidplatten

ab Bohrung Ø 13,8 mm

Toolholder and Inserts

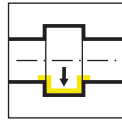
from bore Ø 13,8 mm

B7

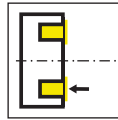
Inhaltsangabe

Summary

Klemmhalter
Toolholder
B114/WFB.114/BA114/
HC114



Seite/Page
325-327



Seite/Page
328-329

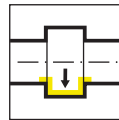
Schneidplatte
Insert
114/S114



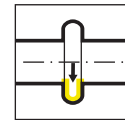
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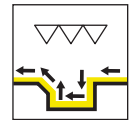
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332-333



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334-335



Seite/Page
336



Seite/Page
337



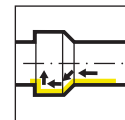
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338



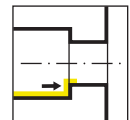
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339



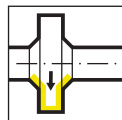
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340



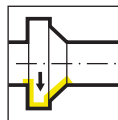
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341-342, 345



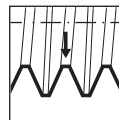
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343



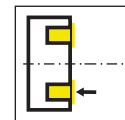
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344



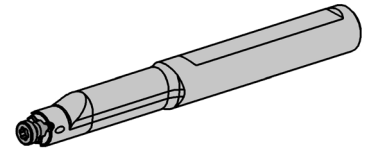
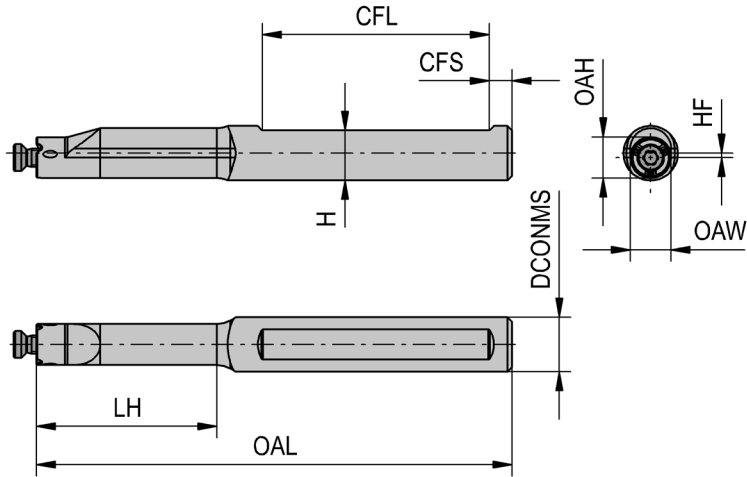
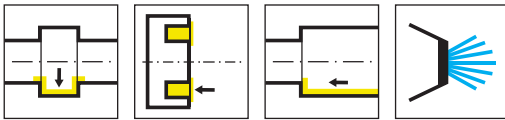
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346



Seite/Page
347-351



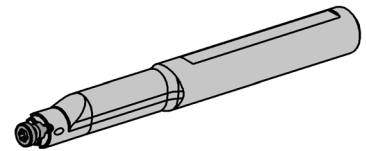
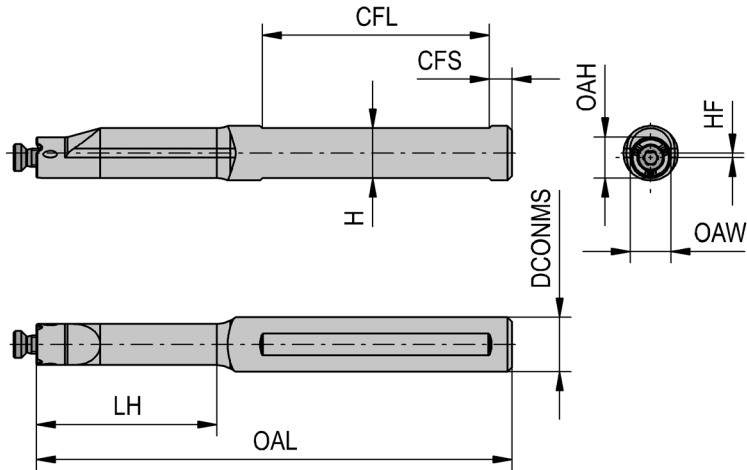
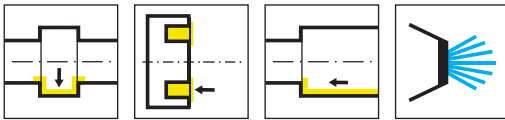
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352-360



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

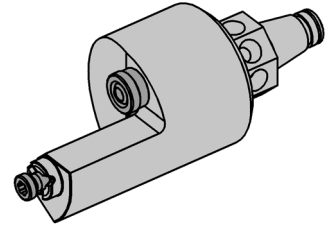
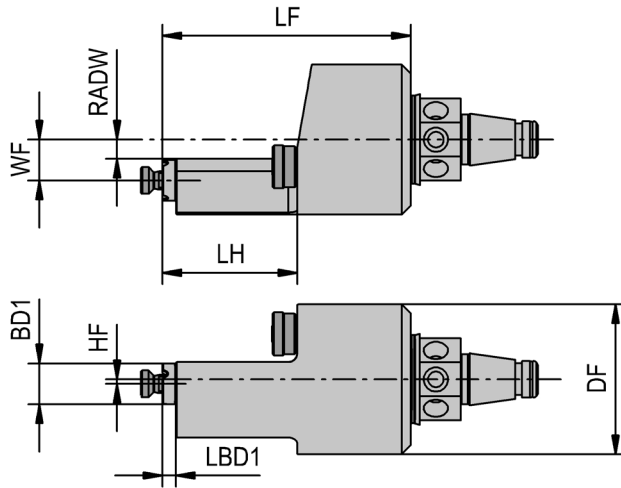
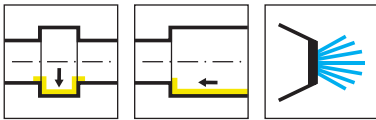
Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B114...	4.12T15EP	T15PQ



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

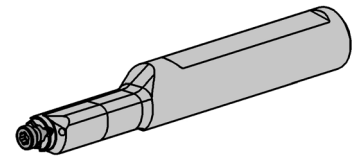
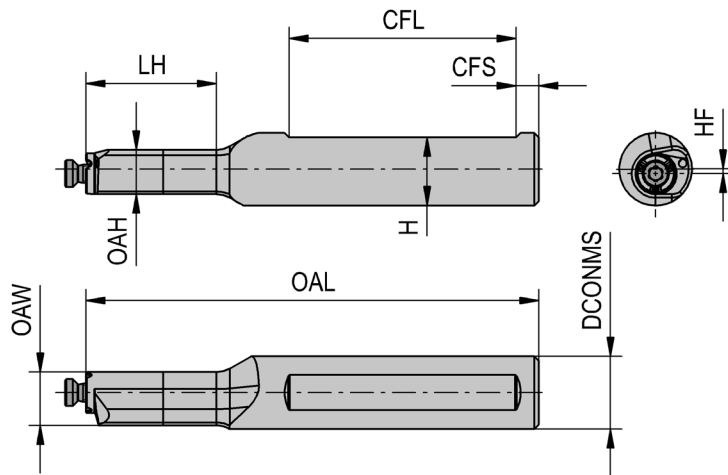
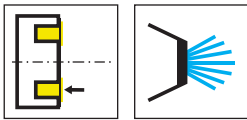
Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B114...	4.12T15EP	T15PQ



Artikelnummer Part number	BD1	LBD1	LH	WF	LF	HF	RADW	Trennstelle W Interface W
WFB.2H0.114	9	3	29,7	9	54,7	1	4,2	11409084N
WFB.3H0.114	9	3	26,7	9	74,7	1	4,2	11409084N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	Kugelspritzdüse Coolant spray nozzle	TORX PLUS®-Schlüssel TORX PLUS® Wrench
WFB...	4.12T15EP	020.0806.3116	T15PQ



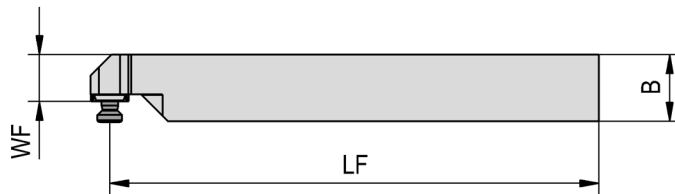
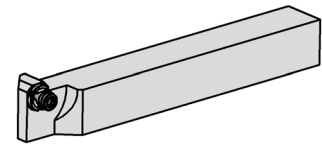
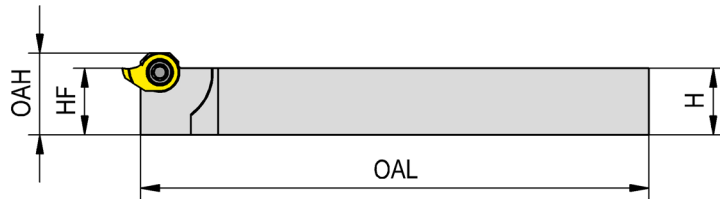
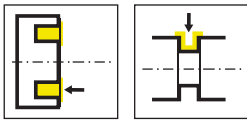
R = rechts wie gezeichnet
R = right hand version shown

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

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.

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

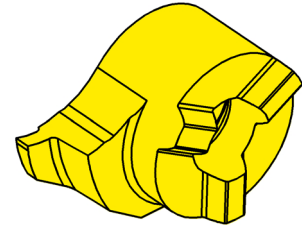
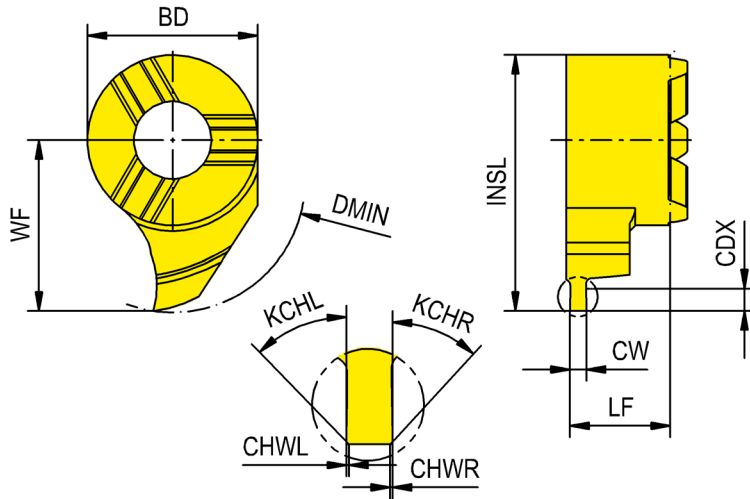
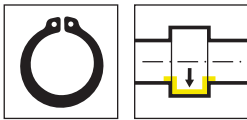
L = links spiegelbildlich
L = left hand version

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

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LHC114...	4.12T15EP	T15PQ

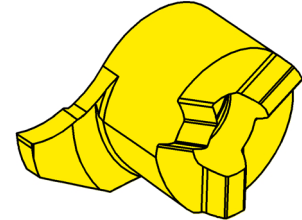
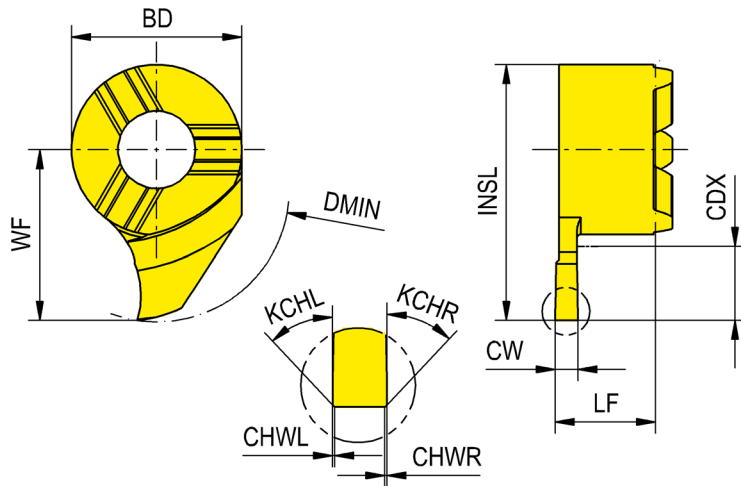
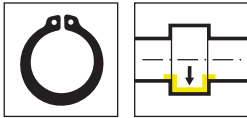


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	RTRG	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TN35
R114.0070.00	14	0,77	0,7	1,2	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲
R114.0080.00	14	0,87	0,8	1,3	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲
R114.0090.00	14	0,97	0,9	1,5	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲
L114.0070.00	14	0,77	0,7	1,2	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N		▲
L114.0080.00	14	0,87	0,8	1,3	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	Δ	▲
L114.0090.00	14	0,97	0,9	1,5	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲
Zapfenausführung not face cutting, limited depth of cut														P	●
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472														M	●
														K	●
														N	-
														S	-
														H	-

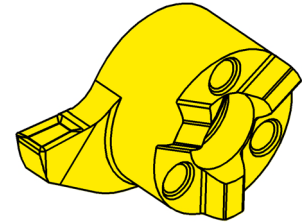
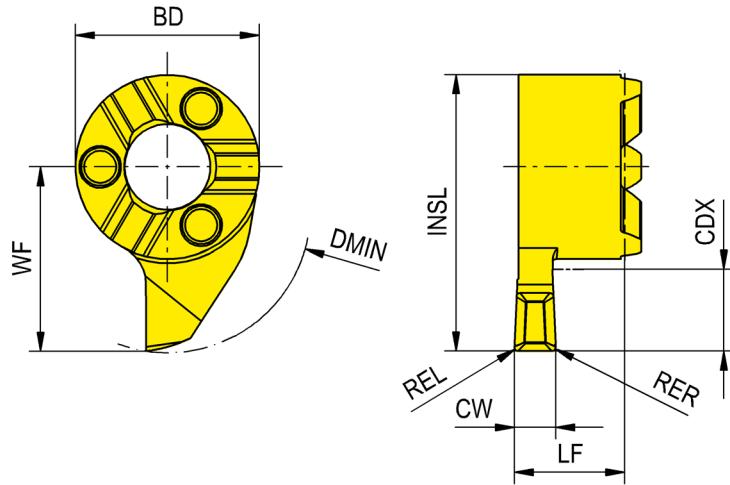
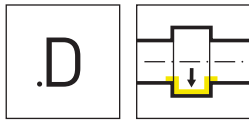


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	RTRG	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R114.0110.00	14	1,19	1,1	4	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲	▲
R114.0130.00	14	1,39	1,3	4	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲	▲
R114.0160.00	14	1,69	1,6	4	0,05	45°	0,05	45°	6	9	9	13,5	11409084N	▲	▲	▲
L114.0110.00	14	1,19	1,1	4	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲	▲
L114.0130.00	14	1,39	1,3	4	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲	▲
L114.0160.00	14	1,69	1,6	4	0,05	45°	0,05	45°	6	9	9	13,5	11409084N	▲	▲	▲
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472														P	●	●
														M	●	●
														K	●	●
														N	-	-
														S	-	-
														H	-	-

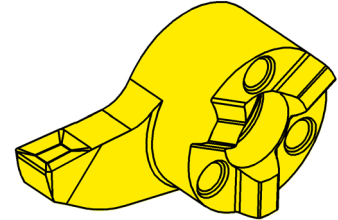
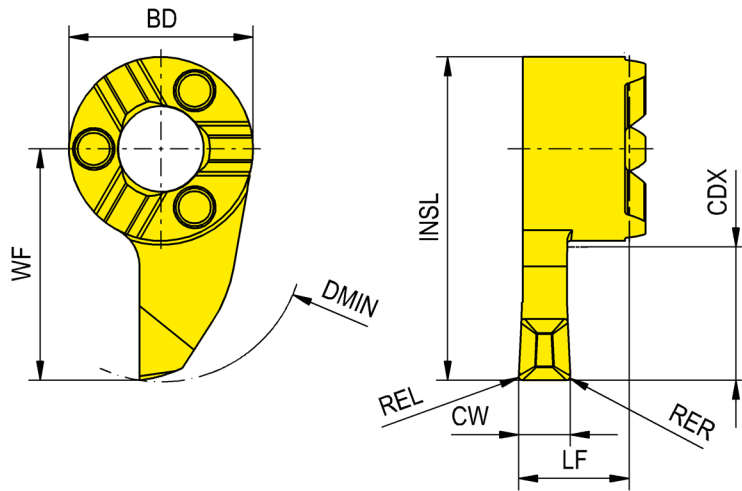
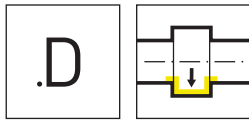


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TF45	TH35	TN35
RS114.0200.D2	14	2,01	4	0,2	0,2	5,3	9	9	13,5	11409084N	▲	▲	▲	▲
RS114.0250.D2	14	2,51	4	0,2	0,2	5,3	9	9	13,5	11409084N	▲	▲	▲	▲
RS114.0300.D2	14	3,01	4	0,2	0,2	5,3	9	9	13,5	11409084N	▲	▲	▲	▲
LS114.0200.D2	14	2,01	4	0,2	0,2	5,3	9	9	13,5	11409084N	▲	Δ	▲	▲
LS114.0250.D2	14	2,51	4	0,2	0,2	5,3	9	9	13,5	11409084N	▲	Δ	▲	▲
LS114.0300.D2	14	3,01	4	0,2	0,2	5,3	9	9	13,5	11409084N	▲	▲	▲	▲
P											●	-	●	●
M											●	-	●	-
K											●	-	-	●
N											-	-	-	-
S											-	-	-	-
H											-	-	-	-

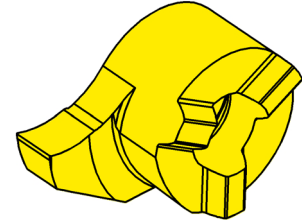
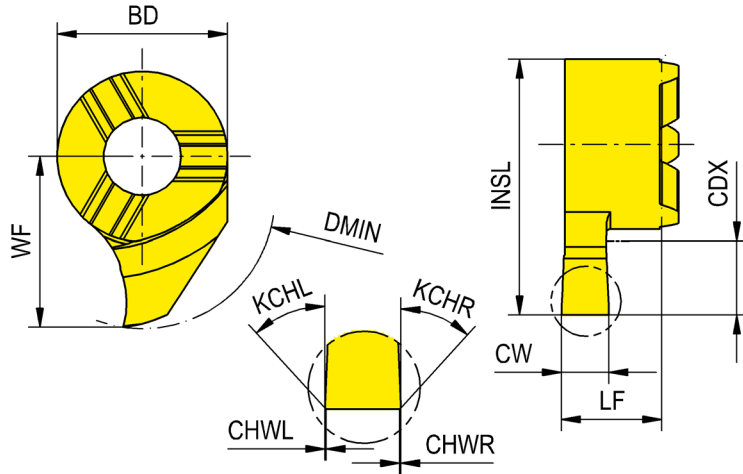
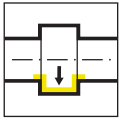


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS114.0200.1.D2	16,5	2,01	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲
RS114.0250.1.D2	16,5	2,51	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲
RS114.0300.1.D2	16,5	3,01	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲
LS114.0200.1.D2	16,5	2,01	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲
LS114.0250.1.D2	16,5	2,51	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	Δ	▲
LS114.0300.1.D2	16,5	3,01	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

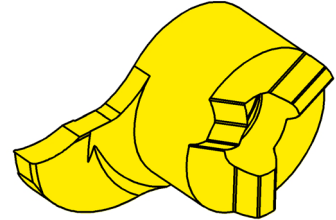
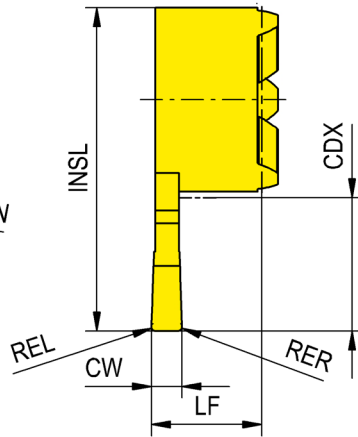
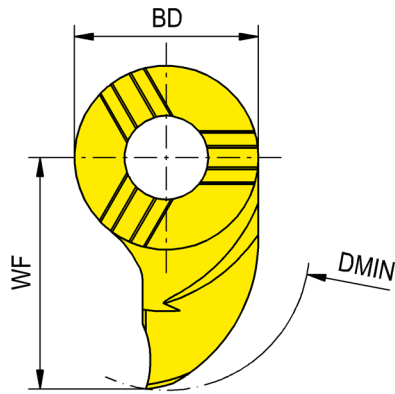
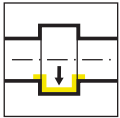


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INS	Trennstelle M Interface M	EG55	TH35	TN35
R114.0150.00	14	1,5	4	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲	▲
R114.0200.00	14	2	4	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲	▲
R114.0250.00	14	2,5	4	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲	▲
R114.0300.00	14	3	4	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲	▲
L114.0150.00	14	1,5	4	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲	▲
L114.0200.00	14	2	4	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲	▲
L114.0250.00	14	2,5	4	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲	▲
L114.0300.00	14	3	4	0,05	45°	0,05	45°	5,3	9	9	13,5	11409084N	▲	▲	▲
P													●	●	●
M													●	●	-
K													●	-	●
N													-	-	-
S													-	-	-
H													-	-	-



R = rechts wie gezeichnet
R = right hand version shown

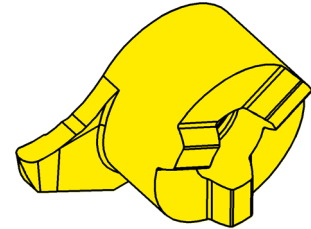
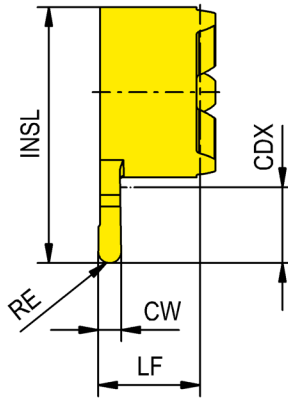
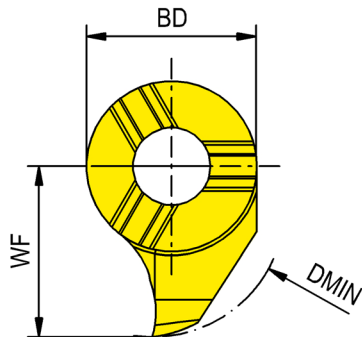
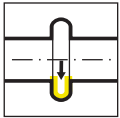
L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager
▲ on stock

Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	T125	TN35
R114.0150.1.02	16,5	1,51	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲		▲
R114.0200.1.02	16,5	2,01	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲	▲	▲
R114.0250.1.02	16,5	2,51	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲		▲
R114.0300.1.02	16,5	3,01	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲		▲
R114.0400.1.02	16,5	4,01	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	Δ			
L114.0150.1.02	16,5	1,51	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲		▲
L114.0200.1.02	16,5	2,01	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲	Δ	▲
L114.0250.1.02	16,5	2,51	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲		▲
L114.0300.1.02	16,5	3,01	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	▲	▲		▲
L114.0400.1.02	16,5	4,01	6,5	0,2	0,2	5,3	11,3	9	15,8	11409084N	Δ			
P											●	●	●	●
M											●	●	●	-
K											●	-	-	●
N											-	-	●	-
S											-	-	-	-
H											-	-	-	-



R = rechts wie gezeichnet
R = right hand version shown

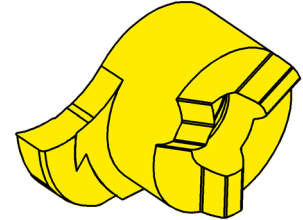
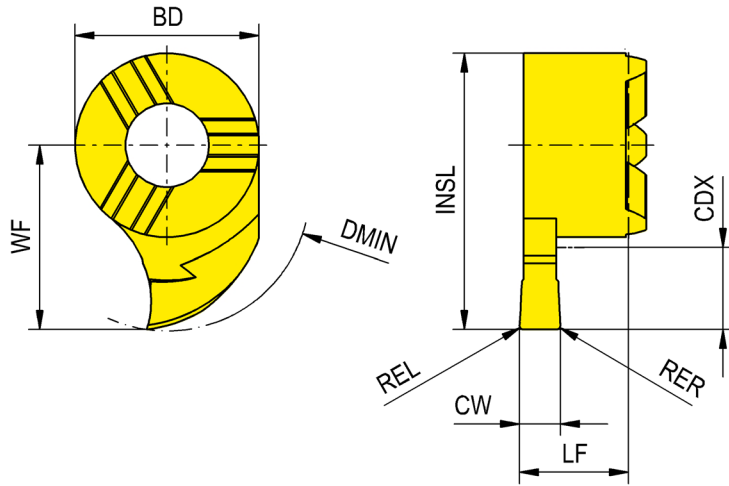
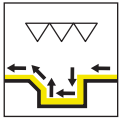
L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager
▲ on stock

Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	DMIN	CW	RE	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	T125	TN35
R114.0004.08	14	0,81	0,4	4	5,3	9	9	13,5	11409084N			▲	
R114.0006.12	14	1,21	0,6	4	5,3	9	9	13,5	11409084N	▲	▲		▲
R114.0009.18	14	1,81	0,9	4	5,3	9	9	13,5	11409084N	▲	▲		▲
R114.0010.20	14	2,01	1	4	5,3	9	9	13,5	11409084N	▲	▲		▲
R114.0011.22	14	2,21	1,1	4	5,3	9	9	13,5	11409084N	▲	▲		▲
R114.0015.30	14	3,01	1,5	4	5,3	9	9	13,5	11409084N	▲	▲		▲
R114.0020.40	14	4,01	2	4	5,3	9	9	13,5	11409084N	▲	▲		
L114.0004.08	14	0,81	0,4	4	5,3	9	9	13,5	11409084N			▲	
L114.0006.12	14	1,21	0,6	4	5,3	9	9	13,5	11409084N	▲	▲		▲
L114.0009.18	14	1,81	0,9	4	5,3	9	9	13,5	11409084N	▲	▲		▲
L114.0010.20	14	2,01	1	4	5,3	9	9	13,5	11409084N	▲	▲		▲
L114.0011.22	14	2,21	1,1	4	5,3	9	9	13,5	11409084N	▲	▲		▲
L114.0015.30	14	3,01	1,5	4	5,3	9	9	13,5	11409084N	▲	▲		▲
L114.0020.40	14	4,01	2	4	5,3	9	9	13,5	11409084N	Δ	Δ		
P										●	●	●	●
M										●	●	●	-
K										●	-	-	●
N										-	-	●	-
S										-	-	-	-
H										-	-	-	-

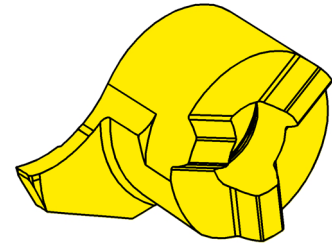
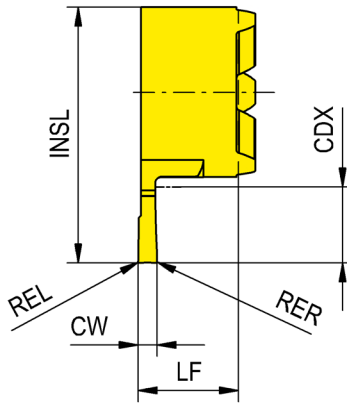
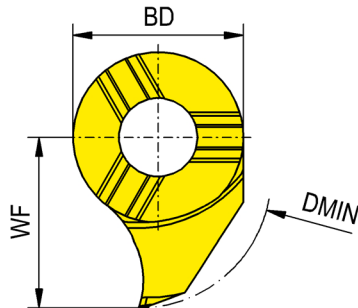
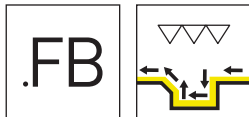


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M		EG55	TH35	T125	TN35
R114.0200.02	14	2	4	0,2	0,2	5,3	9	9	13,5	11409084N		▲	▲	▲	▲
L114.0200.02	14	2	4	0,2	0,2	5,3	9	9	13,5	11409084N		▲	▲	▲	▲
											P	●	●	●	●
											M	●	●	●	-
											K	●	-	-	●
											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

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG35
R114.FB10.01	14	1	4	0,1	0,1	5,3	9	9	13,5	11409084N	▲
R114.FB15.01	14	1,5	4	0,1	0,1	5,3	9	9	13,5	11409084N	▲
L114.FB10.01	14	1	4	0,1	0,1	5,3	9	9	13,5	11409084N	▲
L114.FB15.01	14	1,5	4	0,1	0,1	5,3	9	9	13,5	11409084N	▲

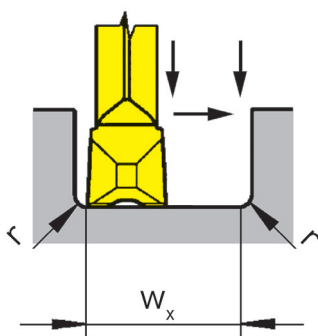
Berechnung der kleinstmöglichen Nutbreite w_x : Calculation of the smallest possible width of groove w_x :

Beispiel R114.FB10.01
Example

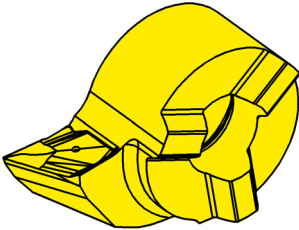
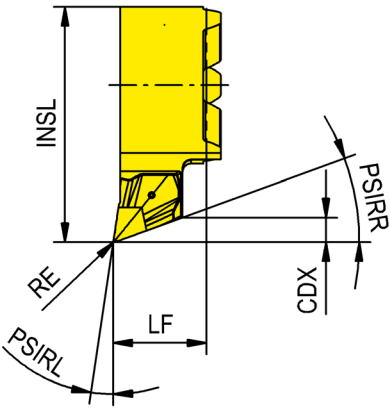
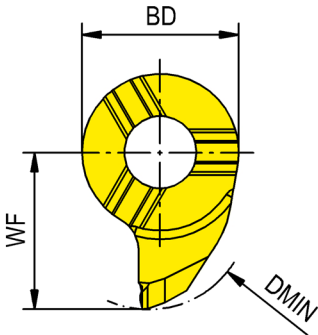
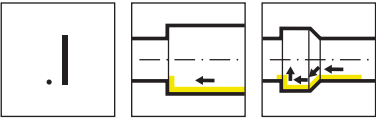
$w_x = 2 \cdot \text{Schneidbreite CW (1 mm)} - 2 \cdot \text{Eckenradius r (0,1 mm, entspricht REL und RER der Schneidplatte)}$
2 · width of groove CW (1 mm) - 2 · corner radius r (0,1 mm, corresponds to the REL and RER of the insert)

$w_x = (2 \cdot 1 \text{ mm}) - (2 \cdot 0,1 \text{ mm})$

$w_x = 1,8 \text{ mm}$



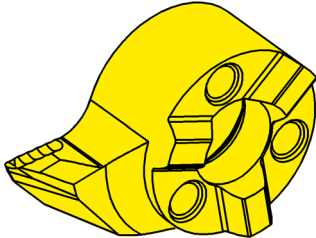
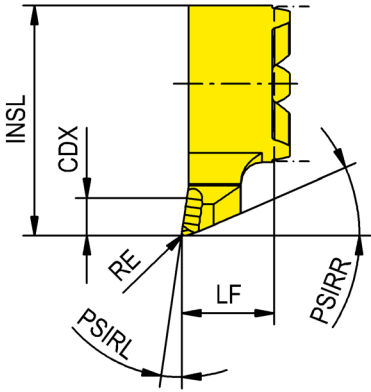
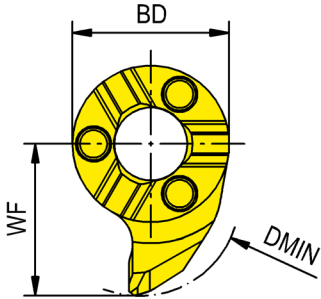
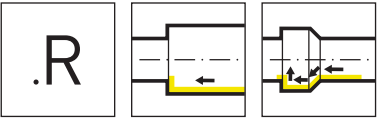
P	●
M	●
K	●
N	○
S	-
H	-



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R = right hand version shown

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	IG35	TH35
RS114.0820.105	14	0,05	1,9	8,5°	20°	5,27	9	9	13,5	11409084N	Δ	Δ
RS114.0820.110	14	0,1	1,9	8,5°	20°	5,28	9	9	13,5	11409084N	▲	▲
RS114.0820.120	14	0,2	1,9	8,5°	20°	5,3	9	9	13,5	11409084N	▲	▲
											P	●
											M	●
											K	●
											N	o
											S	o
											H	-

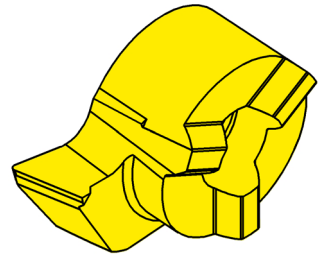
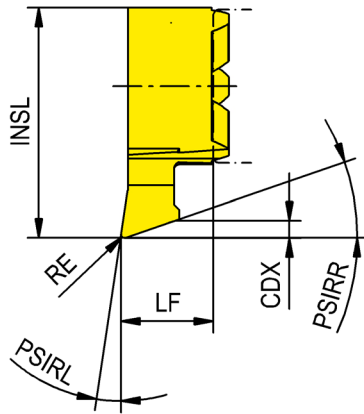
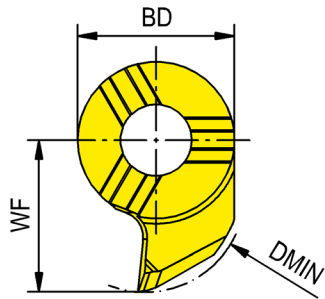
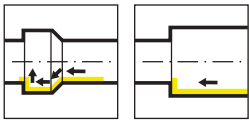


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R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M		EG55	TH35	
RS114.1890.R2	13,8	0,2	2,1	8,5°	20°	5,3	8,7	9	13,2	11409084N		▲	▲	
RS114.1890.R4	13,8	0,4	2,1	8,5°	20°	5,3	8,7	9	13,2	11409084N		▲	▲	
LS114.1890.R2	13,8	0,2	2,1	8,5°	20°	5,3	8,7	9	13,2	11409084N		▲	▲	
LS114.1890.R4	13,8	0,4	2,1	8,5°	20°	5,3	8,7	9	13,2	11409084N		▲	▲	
												P	●	●
												M	●	●
												K	●	-
												N	-	-
												S	-	-
												H	-	-



R = rechts wie gezeichnet
R = right hand version shown

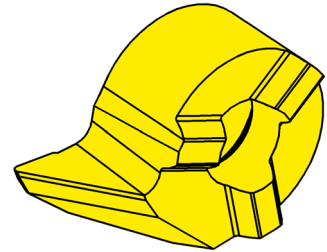
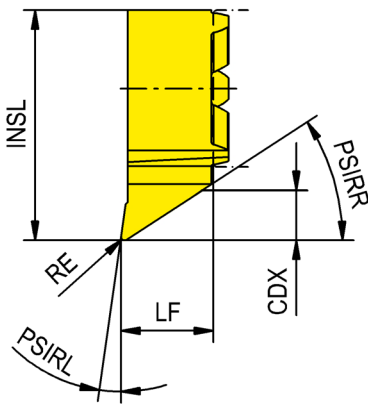
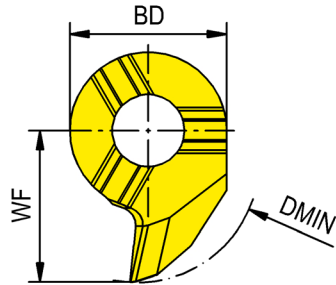
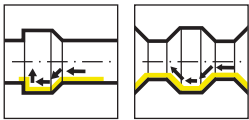
L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager
▲ on stock

Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R114.1890.02	13,8	0,2	0,9	8,5°	19°	5,3	8,7	9	13,2	11409084N	▲	▲	▲
L114.1890.02	13,8	0,2	0,9	8,5°	19°	5,3	8,7	9	13,2	11409084N	▲	▲	▲
											P	●	●
											M	●	●
											K	●	●
											N	-	-
											S	-	-
											H	-	-



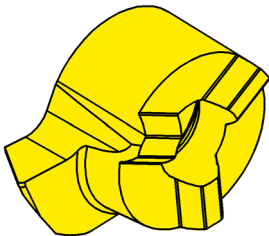
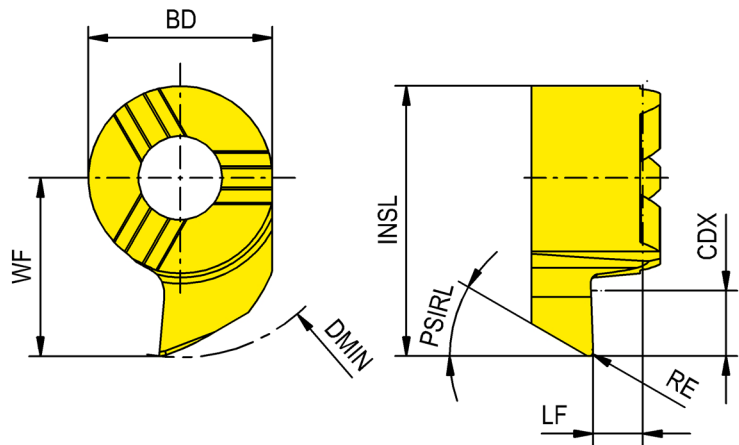
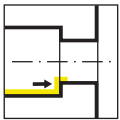
R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INS	Trennstelle M Interface M	EG55
R114.3387.02	13,8	0,2	2,8	8°	33°	5,3	8,7	9	13,2	11409084N	▲
R114.3387.04	13,8	0,4	2,8	8°	33°	5,3	8,7	9	13,2	11409084N	▲
L114.3387.02	13,8	0,2	2,8	8°	33°	5,3	8,7	9	13,2	11409084N	Δ
L114.3387.04	13,8	0,4	2,8	8°	33°	5,3	8,7	9	13,2	11409084N	Δ
											P ●
											M ●
											K ●
											N -
											S -
											H -

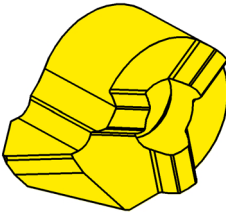
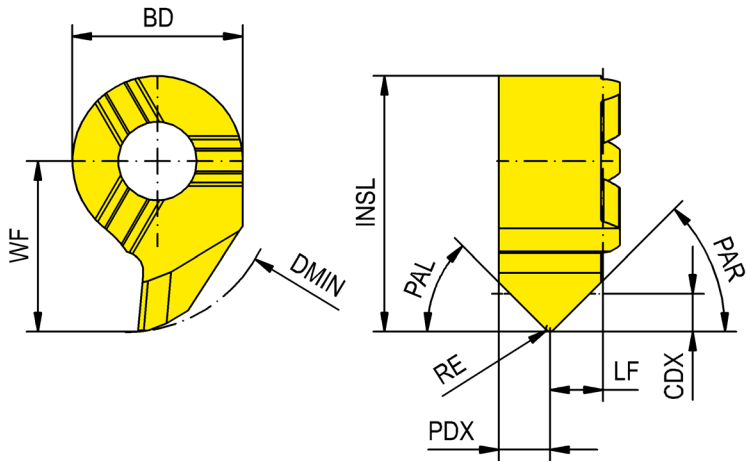
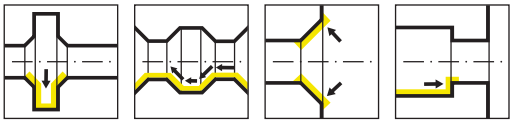


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PS/RL	LF	WF	BD	INSL	Trennstelle M Interface M		EG55	TH35	TN35
R114.3090.02	13,8	0,2	3,5	30°	2,4	8,7	9	13,2	11409084N		▲	▲	▲
L114.3090.02	13,8	0,2	3,5	30°	2,4	8,7	9	13,2	11409084N		▲	▲	▲
										P	●	●	●
										M	●	●	-
										K	●	-	●
										N	-	-	-
										S	-	-	-
										H	-	-	-

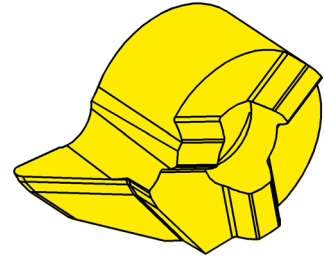
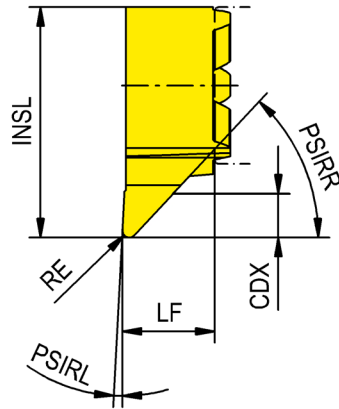
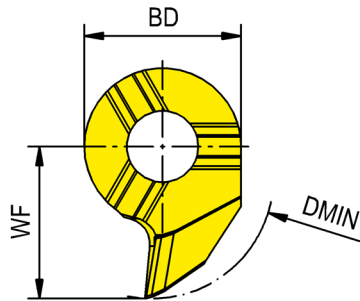
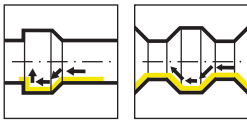


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PAL	PAR	PDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R114.4545.02	14	0,2	2,1	45°	45°	2,7	2,8	9	9	13,5	11409084N	▲
L114.4545.02	14	0,2	2,1	45°	45°	2,7	2,8	9	9	13,5	11409084N	Δ
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-



R = rechts wie gezeichnet
R = right hand version shown

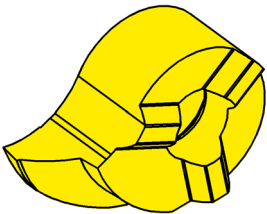
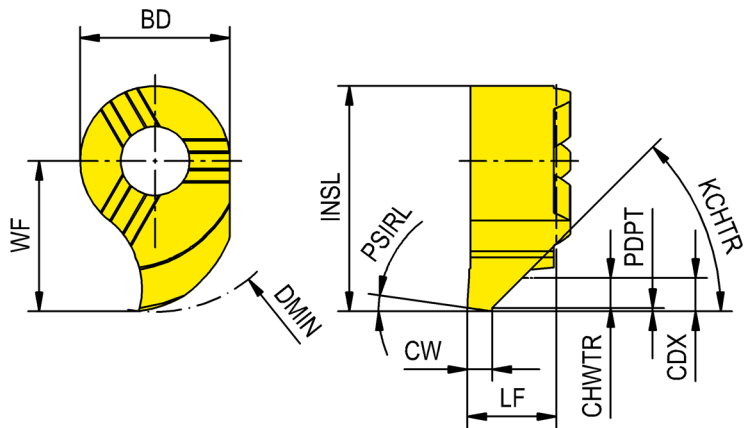
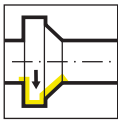
L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager
▲ on stock

Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INS�	Trennstelle M Interface M	EG55	TH35	TN35
R114.4787.02	13,8	0,2	3	3°	47°	5,3	8,7	9	13,2	11409084N	▲	▲	▲
R114.4787.04	13,8	0,4	3	3°	47°	5,3	8,7	9	13,2	11409084N	▲	▲	▲
R114.4710.02	16	0,2	5	3°	47°	5,3	11	9	15,5	11409084N	▲	▲	▲
L114.4787.02	13,8	0,2	3	3°	47°	5,3	8,7	9	13,2	11409084N	▲	▲	▲
L114.4787.04	13,8	0,4	3	3°	47°	5,3	8,7	9	13,2	11409084N	▲	▲	▲
L114.4710.02	16	0,2	5	3°	47°	5,3	11	9	15,5	11409084N	Δ	▲	▲
P	●	●	●	●	●	●	●	●	●		●	●	●
M	●	●	●	●	●	●	●	●	●		●	●	●
K	●	●	●	●	●	●	●	●	●		●	●	●
N	-	-	-	-	-	-	-	-	-		-	-	-
S	-	-	-	-	-	-	-	-	-		-	-	-
H	-	-	-	-	-	-	-	-	-		-	-	-

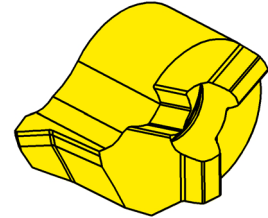
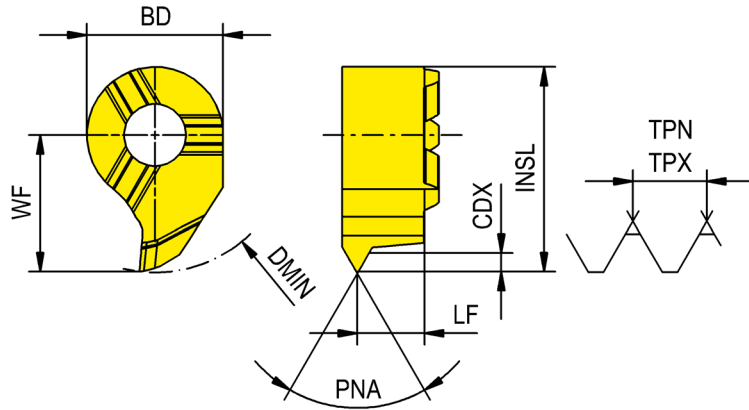


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	PDPT	CHWTR	PSIRL	KCHTR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	T125
R114.0815.45	14	1,5	1,5	0,2	1,3	8°	45°	5,3	9	9	13,5	11409084N	▲	▲
L114.0815.45	14	1,5	1,5	0,2	1,3	8°	45°	5,3	9	9	13,5	11409084N	▲	▲
													P	●
													M	●
													K	●
													N	-
													S	-
													H	-



R = rechts wie gezeichnet
R = right hand version shown

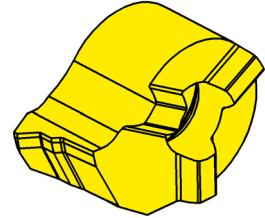
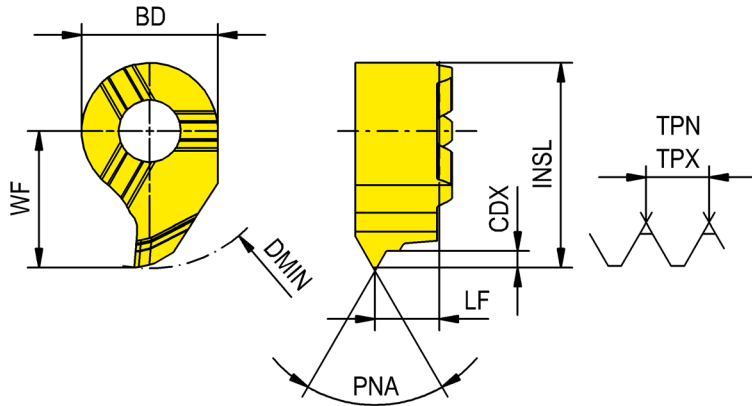
L = links spiegelbildlich
L = left hand version

Sorten
Grades

▲ ab Lager
▲ on stock

Δ 4 Wochen
Δ 4 weeks

Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R114.0205.01	14	0,5	0,75	60°	0,4	4,8	9	9	13,5	11409084N	▲	▲	▲
R114.0510.01	14	1	1,25	60°	0,7	4,7	9	9	13,5	11409084N	▲	▲	▲
R114.0815.01	14	1,5	1,75	60°	1	4,5	9	9	13,5	11409084N	▲	▲	▲
R114.1020.01	14	2	2	60°	1,1	4,2	9	9	13,5	11409084N	▲	▲	▲
R114.1325.01	14	2,5	2,5	60°	1,4	4,2	9	9	13,5	11409084N	▲	▲	▲
L114.0205.01	14	0,5	0,75	60°	0,4	4,8	9	9	13,5	11409084N	Δ	Δ	Δ
L114.0510.01	14	1	1,25	60°	0,7	4,7	9	9	13,5	11409084N	Δ	Δ	▲
L114.0815.01	14	1,5	1,75	60°	1	4,5	9	9	13,5	11409084N	▲	▲	▲
L114.1020.01	14	2	2	60°	1,1	4,2	9	9	13,5	11409084N	Δ	Δ	Δ
L114.1325.01	14	2,5	2,5	60°	1,4	4,2	9	9	13,5	11409084N	Δ	▲	Δ
P											●	●	●
M											●	●	-
K											●	-	●
N											-	-	-
S											-	-	-
H											-	-	-

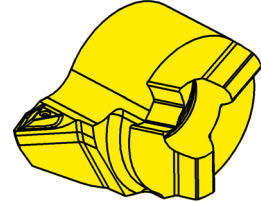
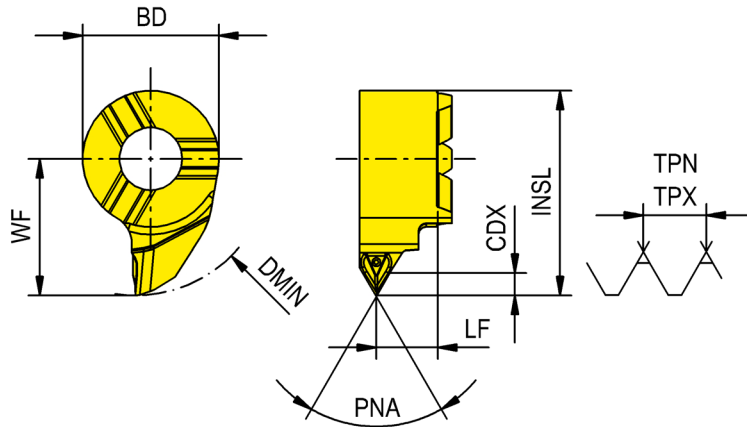


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TN35
R114.0510.02	14	1	1	60°	0,55	4,7	9	9	13,5	11409084N	▲	▲
R114.0815.02	14	1,5	1,5	60°	0,82	4,5	9	9	13,5	11409084N	▲	▲
R114.1020.02	14	2	2	60°	1,09	4,2	9	9	13,5	11409084N	▲	▲
R114.1325.02	14	2,5	2,5	60°	1,36	4,2	9	9	13,5	11409084N	▲	▲
L114.0510.02	14	1	1	60°	0,55	4,7	9	9	13,5	11409084N	Δ	▲
L114.0815.02	14	1,5	1,5	60°	0,82	4,5	9	9	13,5	11409084N	Δ	▲
L114.1020.02	14	2	2	60°	1,09	4,2	9	9	13,5	11409084N	Δ	▲
L114.1325.02	14	2,5	2,5	60°	1,36	4,2	9	9	13,5	11409084N	Δ	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

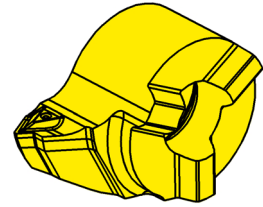
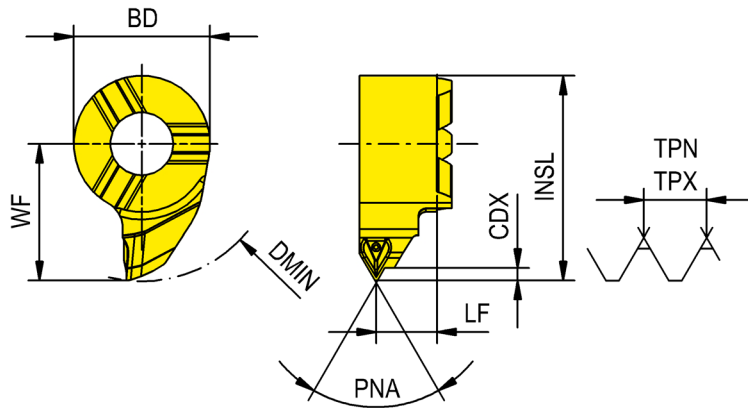


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
RS114.0205.GM1	14	0,5	0,75	60°	0,4	4,1	9	9	13,5	11409084N	▲
RS114.0510.GM1	14	1	1,25	60°	0,7	4,1	9	9	13,5	11409084N	▲
RS114.0815.GM1	14	1,5	1,75	60°	1	4,1	9	9	13,5	11409084N	▲
RS114.1020.GM1	14	2	2	60°	1,1	4,1	9	9	13,5	11409084N	▲
RS114.1325.GM1	14	2,5	2,5	60°	1,4	4,1	9	9	13,5	11409084N	▲
LS114.0205.GM1	14	0,5	0,75	60°	0,4	4,1	9	9	13,5	11409084N	▲
LS114.0510.GM1	14	1	1,25	60°	0,7	4,1	9	9	13,5	11409084N	▲
LS114.0815.GM1	14	1,5	1,75	60°	1	4,1	9	9	13,5	11409084N	▲
LS114.1020.GM1	14	2	2	60°	1,1	4,1	9	9	13,5	11409084N	▲
LS114.1325.GM1	14	2,5	2,5	60°	1,4	4,1	9	9	13,5	11409084N	▲
											P ●
											M ●
											K ●
											N -
											S -
											H -

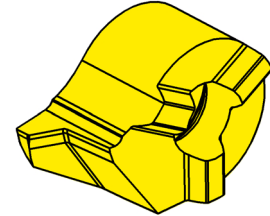
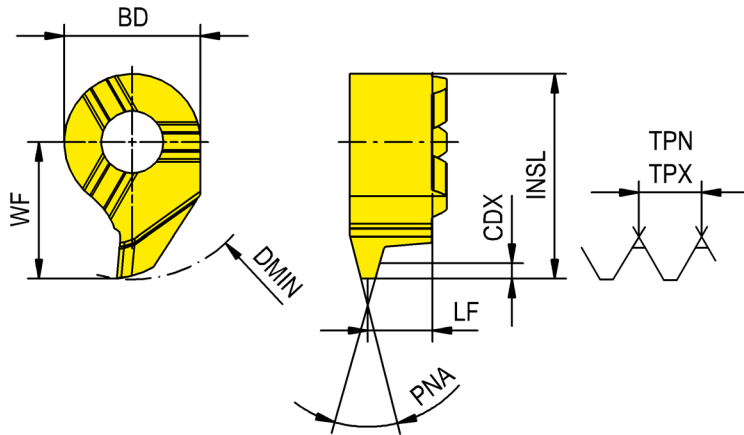


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
RS114.0510.GM2	14	1	1	60°	0,55	4,1	9	9	13,5	11409084N	▲
RS114.0815.GM2	14	1,5	1,5	60°	0,82	4,1	9	9	13,5	11409084N	▲
RS114.1020.GM2	14	2	2	60°	1,09	4,1	9	9	13,5	11409084N	▲
RS114.1325.GM2	14	2,5	2,5	60°	1,36	4,1	9	9	13,5	11409084N	▲
LS114.0510.GM2	14	1	1	60°	0,55	4,1	9	9	13,5	11409084N	▲
LS114.0815.GM2	14	1,5	1,5	60°	0,82	4,1	9	9	13,5	11409084N	▲
LS114.1020.GM2	14	2	2	60°	1,09	4,1	9	9	13,5	11409084N	▲
LS114.1325.GM2	14	2,5	2,5	60°	1,36	4,1	9	9	13,5	11409084N	▲
										P	●
										M	●
										K	●
										N	-
										S	-
										H	-

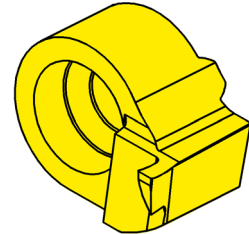
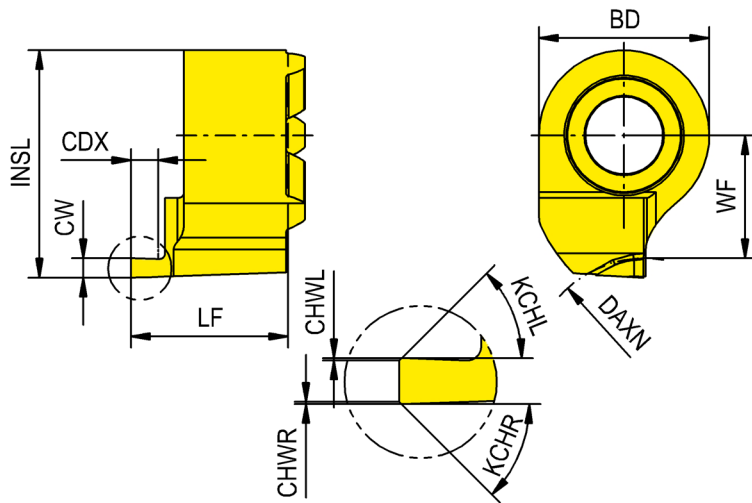
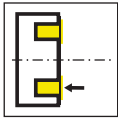


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R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TN35
R114.1730.01	14	3	3	30°	1,75	4,3	9	9	13,5	11409084N	▲	▲
R114.2240.01	14	4	4	30°	2,25	4	9	9	13,5	11409084N	▲	▲
R114.2750.01	14	5	5	30°	2,75	3,55	9	9	13,5	11409084N	▲	▲
L114.2240.01	14	4	4	30°	2,25	4	9	9	13,5	11409084N	Δ	▲
L114.2750.01	14	5	5	30°	2,75	3,55	9	9	13,5	11409084N	Δ	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

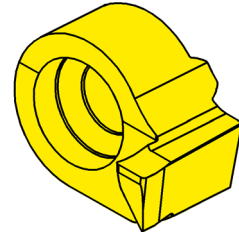
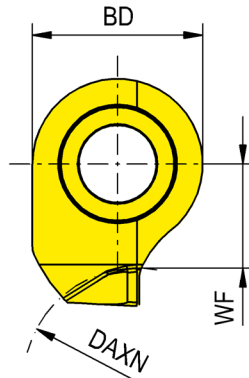
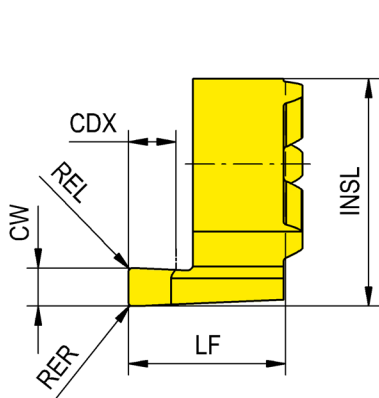
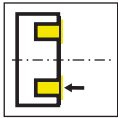


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R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

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	▲	▲
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	▲	▲
L114.1210.00	12	1,01	1,5	0,05	45°	0,05	45°	8,3	6,48	9	12	11409084N	▲	▲
Bearbeitung HINTER der Drehmitte! Machining BEHIND centre line													P	●
													M	●
													K	●
													N	-
													S	-
													H	-



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

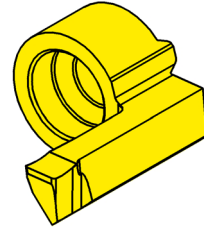
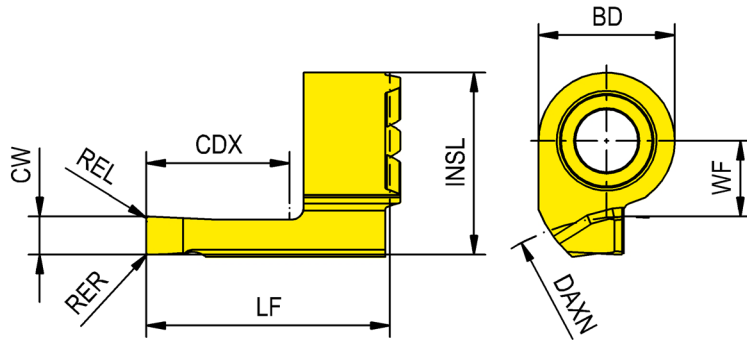
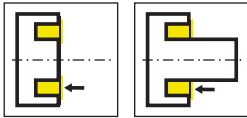
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	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	-	-

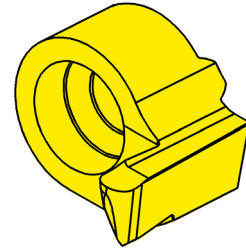
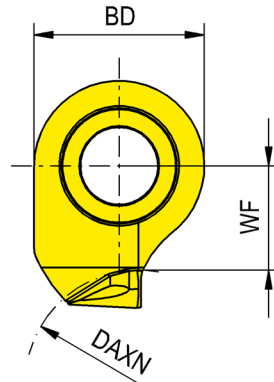
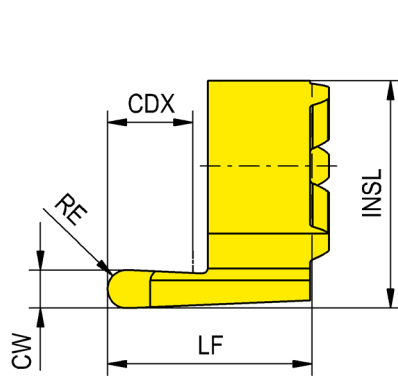
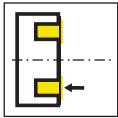


R = rechts wie gezeichnet
R = right hand version shown

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	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 -

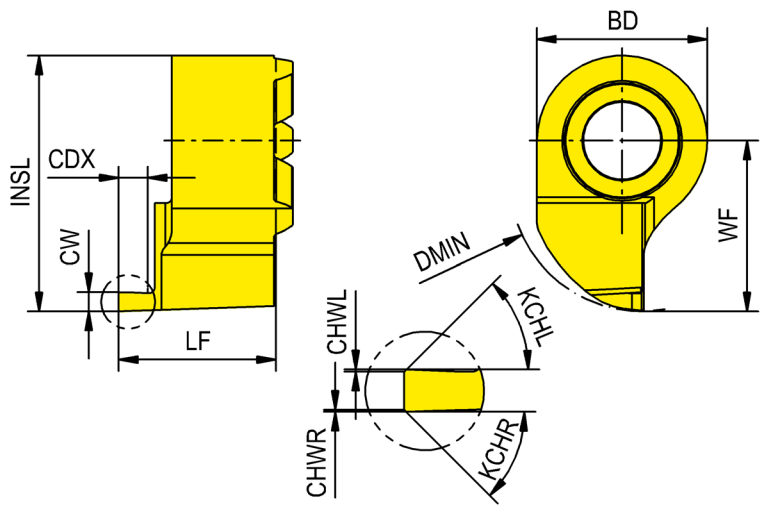
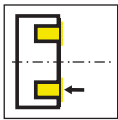


R = rechts wie gezeichnet
R = right hand version shown

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	▲	▲
Vollradius Bearbeitung HINTER der Drehmitte! Full radius Machining BEHIND centre line										P	● ●
Ausführung R = Spindel rechtsdrehend! R = rotation clockwise!										M	● -
										K	● ●
										N	- -
										S	- -
										H	- -



R = rechts wie gezeichnet
R = right hand version shown

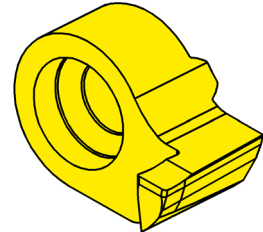
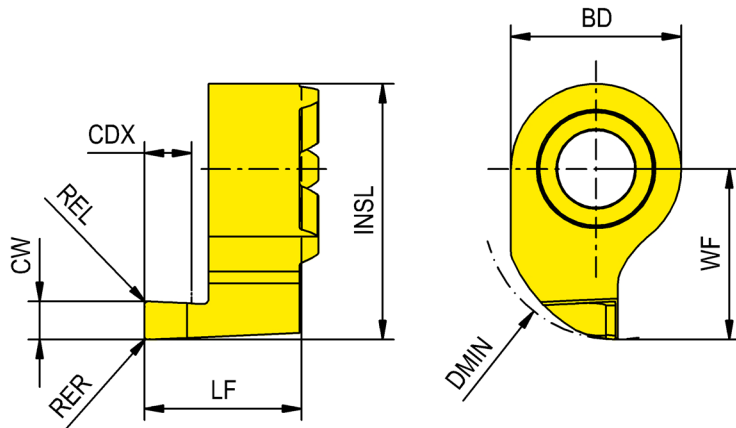
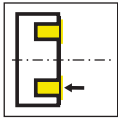
L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DAXN	DMIN	CW	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TN35
R114.1410.00	14	14	1,01	1,5	0,05	45°	0,05	45°	8,3	9	9	13,5	11409084N	▲	▲
L114.1410.00	14	14	1,01	1,5	0,05	45°	0,05	45°	8,3	9	9	13,5	11409084N	▲	▲

Bearbeitung **VOR** der Drehmitte!
Machining IN-FRONT of centre line

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	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	▲	▲

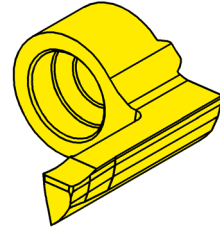
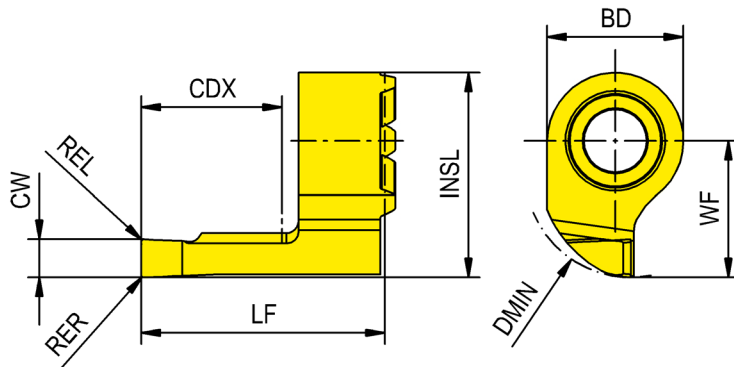
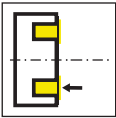
Bearbeitung **VOR** der Drehmitte!

Machining IN-FRONT of centre line

Ausführung R = Spindel rechtsdrehend!

R = rotation clockwise!

P	●	●
M	●	-
K	●	●
N	-	-
S	-	-
H	-	-

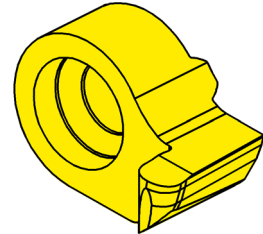
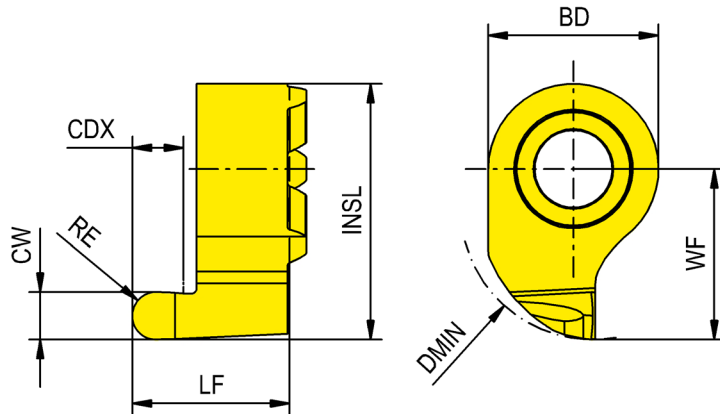
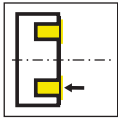


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Sorten
Grades
▲ ab Lager ▲ 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	▲
Bearbeitung VOR der Drehmitte! Machining IN-FRONT of centre line											P ●
Ausführung R = Spindel rechtsdrehend!											M ●
R = rotation clockwise!											K ●
											N -
											S -
											H -



R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

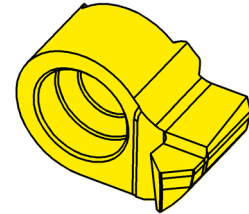
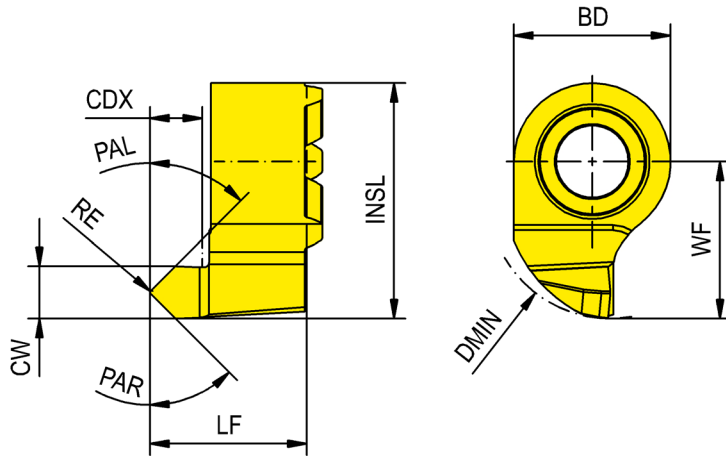
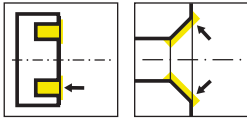
Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	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	▲	▲
R114.1420.5.10	14	2,01	1	5	10,8	9	9	13,5	11409084N	▲	
R114.1425.5.12	14	2,51	1,25	5	10,8	9	9	13,5	11409084N	▲	
R114.1430.6.15	14	3,01	1,5	6	11,8	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	▲
L114.1420.5.10	14	2,01	1	5	10,8	9	9	13,5	11409084N	Δ	
L114.1425.5.12	14	2,51	1,25	5	10,8	9	9	13,5	11409084N	Δ	
L114.1430.6.15	14	3,01	1,5	6	11,8	9	9	13,5	11409084N	Δ	

Vollradius Bearbeitung **VOR** der Drehmitte!
Full radius 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	INS	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

Bearbeitung **VOR** der Drehmitte!
Machining IN-FRONT of centre line

Ausführung R = Spindel rechtsdrehend!
R = rotation clockwise!

P	●
M	●
K	●
N	-
S	-
H	-



Kapitel Chapter	A			B								
	A1	A2	A3	B1	B2	B3	B4	B5	B6	B7	B8	B9
System System	105	109	110	106	107	108	10P	111	11P	114	116	18P

Ø DMIN

≥ 0,2	•											
≥ 0,5	•											
≥ 0,7	•											
≥ 1,0	•											
≥ 1,5	•											
≥ 2,0	•											
≥ 3,0	•											
≥ 4,0	•											
≥ 5,0	•											
≥ 6,0	•	•	•	•								
≥ 6,5				•								
≥ 6,8	•	•			•							
≥ 7,0	•	•			•							
≥ 7,8						•						
≥ 8,0			•		•	•						
≥ 9,0							•					
≥ 10,0			•				•	•	•			
≥ 10,5									•			
≥ 11,0								•				
≥ 11,5									•			
≥ 13,8										•		
≥ 14,0										•		
≥ 15,5											•	
≥ 16,0										•	•	
≥ 16,5										•		
≥ 17,5												•
≥ 18,0												•
≥ 20,0												•

Bearbeitung / Machining

	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•			•	•		•		•	•	
	•	•		•	•	•	•	•	•	•	•	
	•	•	•							•		
	•	•	•	•	•	•	•	•	•	•	•	•

116



Klemmhalter und Schneidplatten

ab Bohrung Ø 15,5 mm

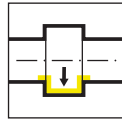
Toolholder and Inserts

from bore Ø 15,5 mm

Inhaltsangabe

Summary

Klemmhalter
Toolholder
B116



Seite/Page
365-366

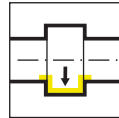
Schneidplatte
Insert
116/S116



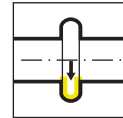
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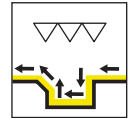
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369



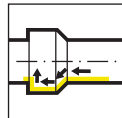
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370



Seite/Page
371



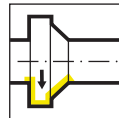
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372



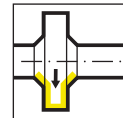
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373, 375-376



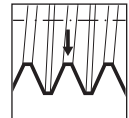
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374



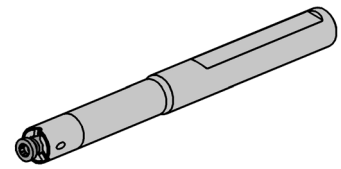
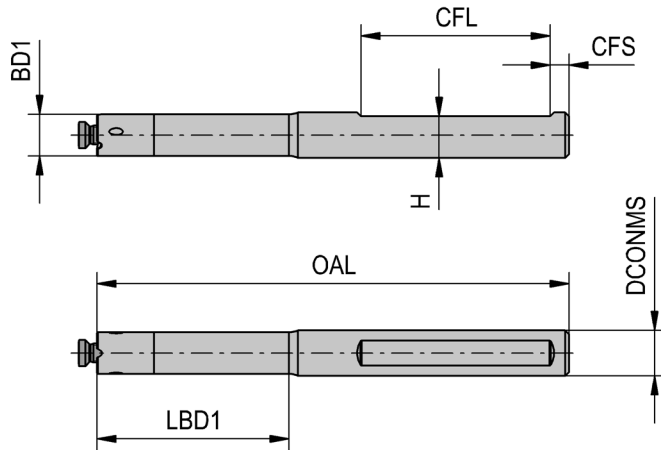
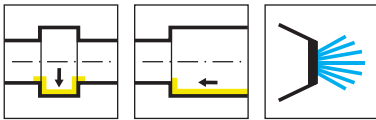
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377



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378



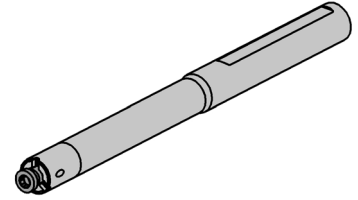
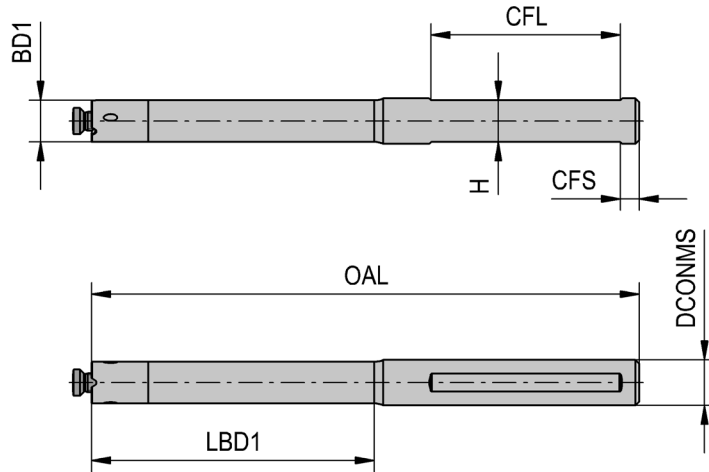
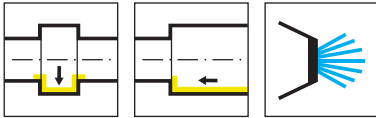
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379-384



Artikelnummer Part number	DCONMS	LBD1	OAL	CFL	H	CFS	BD1	Trennstelle W Interface W
B116.0012.01	12	34,7	124,7	50	11	5	11	11611084N
B116.0012.02	12	50,7	124,7	50	11	5	11	11611084N
B116.0012.03	12	74,7	144,7	50	11	5	11	11611084N
B116.0016.01	16	34,7	124,7	50	15	5	11	11611084N
B116.0016.02	16	50,7	124,7	50	15	5	11	11611084N
B116.0016.03	16	74,7	144,7	50	15	5	11	11611084N

Ersatzteile
Spare Parts

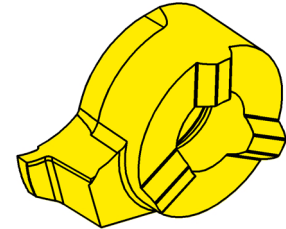
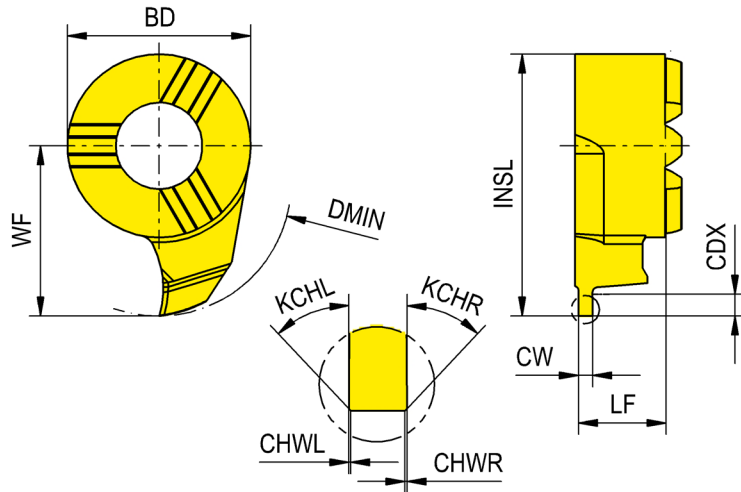
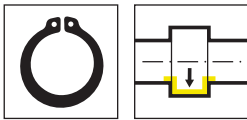
Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B116...	5.13T20EP	T20PQ



Artikelnummer Part number	DCONMS	LBD1	OAL	CFL	H	CFS	BD1	Trennstelle W Interface W
B116.0012.2.01	12	34,7	124,7	50	11	5	11	11611084N
B116.0012.2.02	12	50,7	124,7	50	11	5	11	11611084N
B116.0012.2.03	12	74,7	144,7	50	11	5	11	11611084N
B116.0016.2.01	16	34,7	124,7	50	15	5	11	11611084N
B116.0016.2.02	16	50,7	124,7	50	15	5	11	11611084N
B116.0016.2.03	16	74,7	144,7	50	15	5	11	11611084N

Ersatzteile
Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
B116...	5.13T20EP	T20PQ

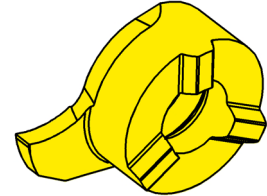
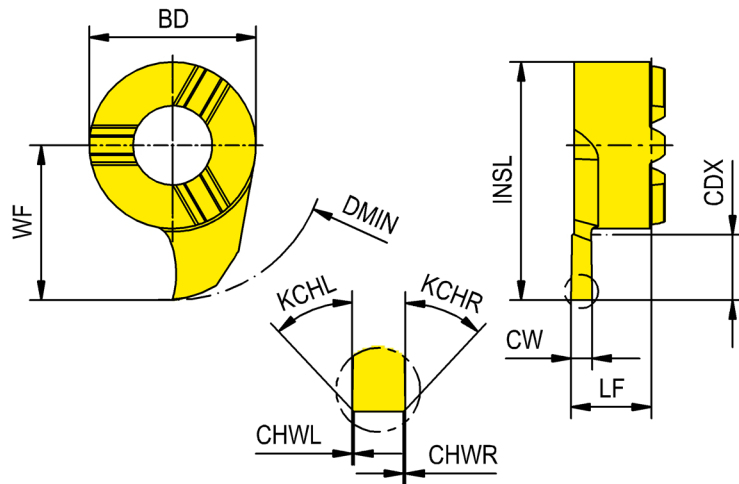
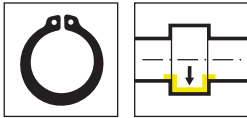


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	RTRG	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INS	Trennstelle M Interface M	EG55	TN35
R116.0070.00	16	0,75	0,7	1,2	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲
R116.0080.00	16	0,85	0,8	1,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲
R116.0090.00	16	0,95	0,9	1,5	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲
L116.0070.00	16	0,75	0,7	1,2	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	Δ	Δ
L116.0080.00	16	0,85	0,8	1,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	Δ	Δ
L116.0090.00	16	0,95	0,9	1,5	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	Δ	Δ
Zapfenausführung not face cutting, limited depth of cut														P	●
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472														M	●
														K	●
														N	-
														S	-
														H	-

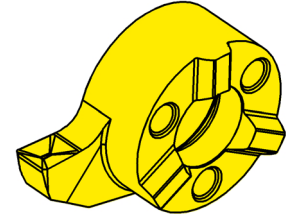
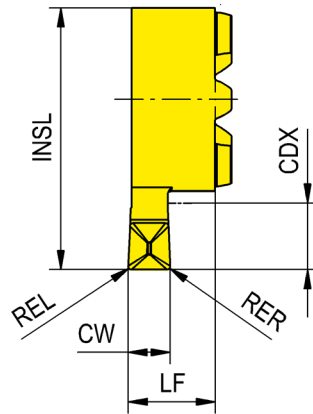
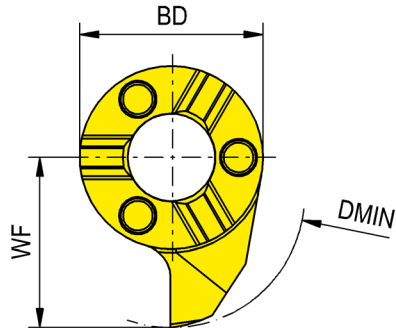
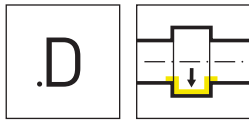


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	CW	RTRG	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R116.0110.00	16	1,20	1,1	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
R116.0130.00	16	1,40	1,3	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
R116.0160.00	16	1,70	1,6	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0110.00	16	1,20	1,1	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0130.00	16	1,40	1,3	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0160.00	16	1,70	1,6	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
Abmessungen für Seegerringnuten DIN 471/472 Widths for circlip grooves DIN 471/472														P	●	●
														M	●	-
														K	●	-
														N	-	-
														S	-	-
														H	-	-

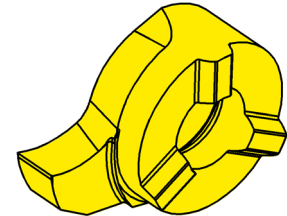
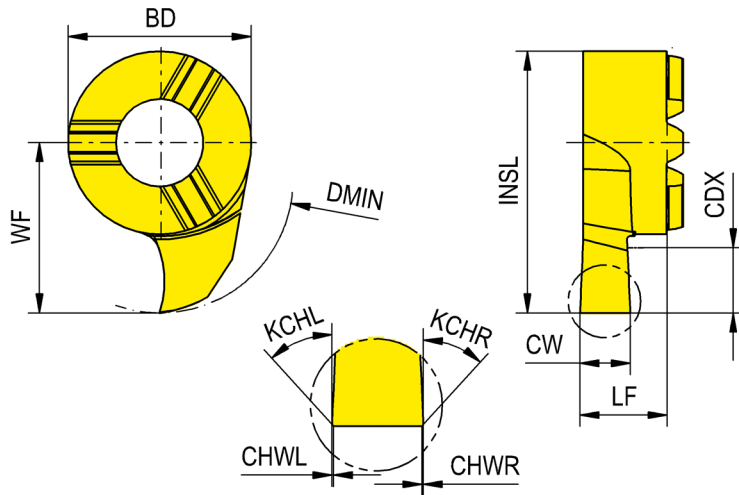
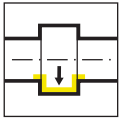


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L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS116.0200.D2	16	2,01	4,3	0,2	0,2	5,3	10,2	11	15,7	11611084N	▲	▲
RS116.0250.D2	16	2,51	4,3	0,2	0,2	5,3	10,2	11	15,7	11611084N	▲	▲
RS116.0300.D2	16	3,01	4,3	0,2	0,2	5,3	10,2	11	15,7	11611084N	▲	▲
LS116.0200.D2	16	2,01	4,3	0,2	0,2	5,3	10,2	11	15,7	11611084N		▲
LS116.0250.D2	16	2,51	4,3	0,2	0,2	5,3	10,2	11	15,7	11611084N		▲
LS116.0300.D2	16	3,01	4,3	0,2	0,2	5,3	10,2	11	15,7	11611084N	Δ	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

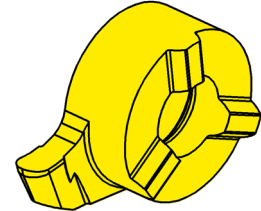
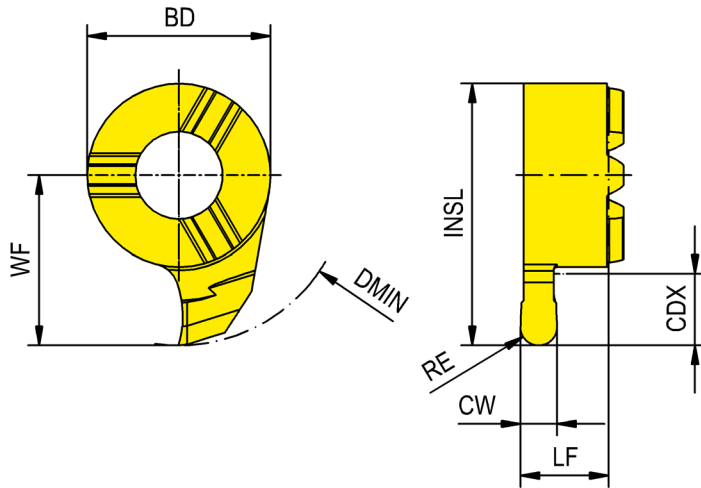
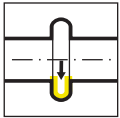


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L = left hand version

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

Artikelnummer Part number	DMIN	CW	CDX	CHWL	KCHL	CHWR	KCHR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R116.0200.00	16	2,01	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
R116.0250.00	16	2,51	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
R116.0300.00	16	3,01	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
R116.0350.00	16	3,51	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
R116.0400.00	16	4,01	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0200.00	16	2,01	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0250.00	16	2,51	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0300.00	16	3,01	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0350.00	16	3,51	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0400.00	16	4,01	4,3	0,05	45°	0,05	45°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
P													●	●	●
M													●	●	-
K													●	-	●
N													-	-	-
S													-	-	-
H													-	-	-

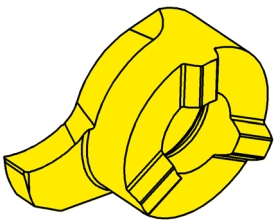
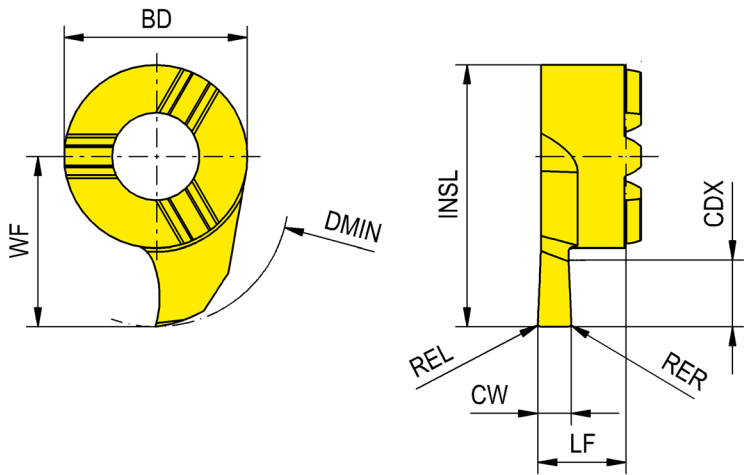
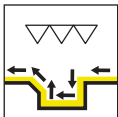


R = rechts wie gezeichnet
R = right hand version shown

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L = left hand version

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

Artikelnummer Part number	DMIN	CW	RE	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R116.0009.18	16	1,8	0,9	4,3	5,3	10,2	11	15,7	11611084N	▲	▲	▲
R116.0011.22	16	2,2	1,1	4,3	5,3	10,2	11	15,7	11611084N	▲	▲	▲
R116.0015.30	16	3	1,5	4,3	5,3	10,2	11	15,7	11611084N	▲	▲	▲
R116.0020.40	16	4	2	4,3	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0009.18	16	1,8	0,9	4,3	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0011.22	16	2,2	1,1	4,3	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0015.30	16	3	1,5	4,3	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0020.40	16	4	2	4,3	5,3	10,2	11	15,7	11611084N	▲	▲	▲
P										●	●	●
M										●	●	-
K										●	-	●
N										-	-	-
S										-	-	-
H										-	-	-

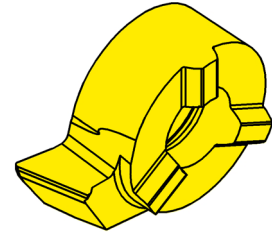
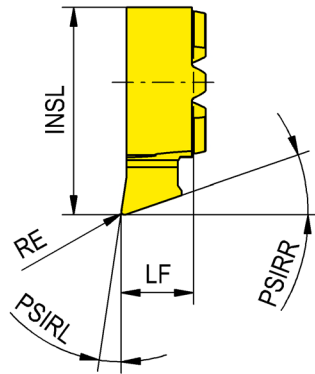
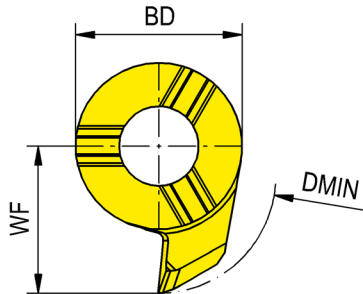
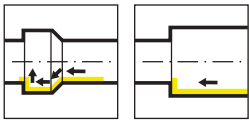


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R = right hand version shown

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	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R116.0200.02	16	2,01	4,3	0,2	0,2	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.0200.02	16	2,01	4,3	0,2	0,2	5,3	10,2	11	15,7	11611084N	▲	▲	▲
											P	●	●
											M	●	●
											K	●	●
											N	-	-
											S	-	-
											H	-	-

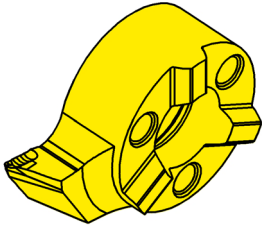
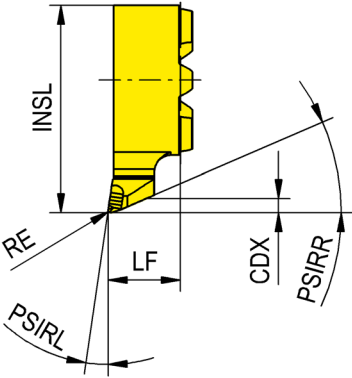
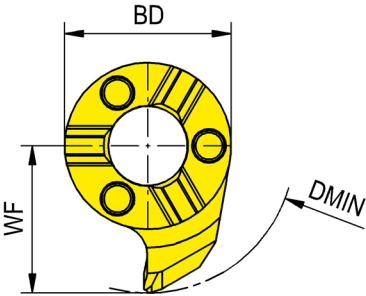
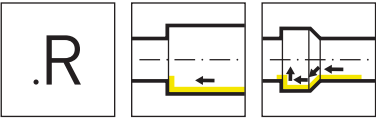


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L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PS/RL	PS/RR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R116.1897.02	15,5	0,2	1,2	8,5°	19°	5,3	9,7	11	15,7	11611084N	▲	▲	▲
L116.1897.02	15,5	0,2	1,2	8,5°	19°	5,3	9,7	11	15,7	11611084N	▲	▲	▲
											P	●	●
											M	●	●
											K	●	●
											N	-	-
											S	-	-
											H	-	-

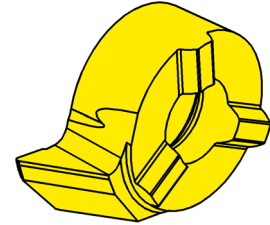
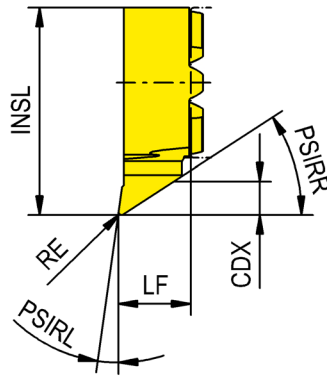
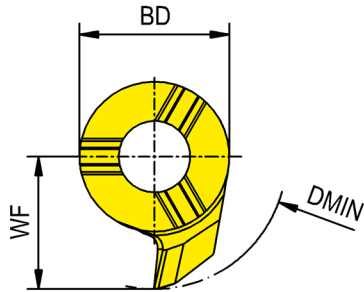
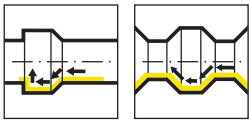


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L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS116.1897.R2	15,5	0,2	1,4	8,5°	20°	5,3	9,7	11	15,2	11611084N	▲	▲
RS116.1897.R4	15,5	0,4	1,4	8,5°	20°	5,3	9,7	11	15,2	11611084N	▲	▲
LS116.1897.R2	15,5	0,2	1,4	8,5°	20°	5,3	9,7	11	15,2	11611084N	▲	▲
LS116.1897.R4	15,5	0,4	1,4	8,5°	20°	5,3	9,7	11	15,2	11611084N	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

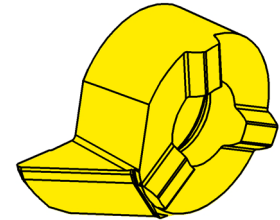
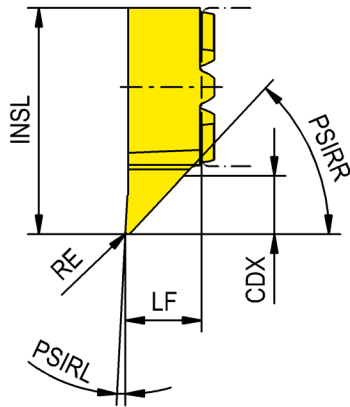
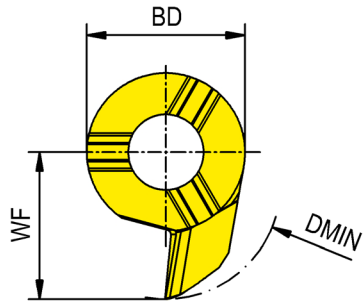
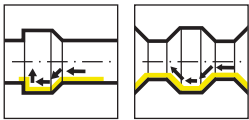


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L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R116.3302.02	15,5	0,2	2,5	8°	33°	5,3	9,7	11	15,2	11611084N	▲
R116.3302.04	15,5	0,4	2,5	8°	33°	5,3	9,7	11	15,2	11611084N	▲
L116.3302.02	15,5	0,2	2,5	8°	33°	5,3	9,7	11	15,2	11611084N	Δ
L116.3302.04	15,5	0,4	2,5	8°	33°	5,3	9,7	11	15,2	11611084N	Δ
											P ●
											M ●
											K ●
											N -
											S -
											H -

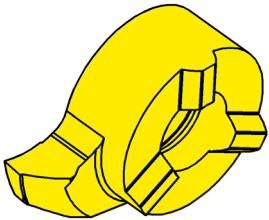
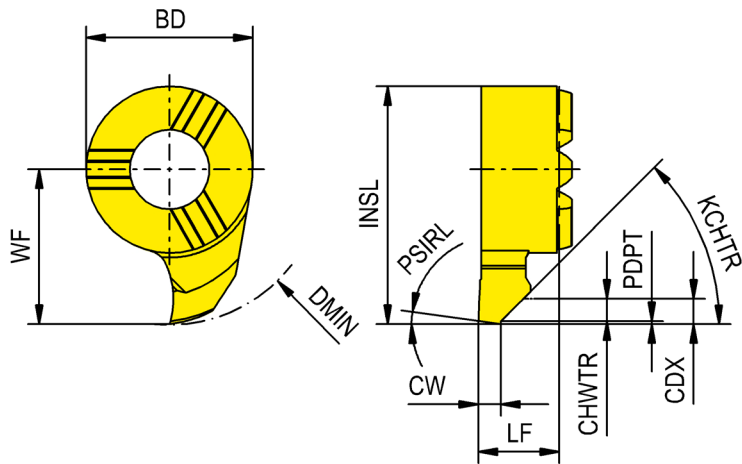
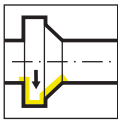


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Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DMIN	RE	CDX	PSIRL	PSIRR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R116.4702.02	16	0,2	4,3	3°	47°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
R116.4702.04	16	0,4	4,3	3°	47°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.4702.02	16	0,2	4,3	3°	47°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
L116.4702.04	16	0,4	4,3	3°	47°	5,3	10,2	11	15,7	11611084N	▲	▲	▲
P	●	●	●	●	●	●	●	●	●		●	●	●
M	●	●	●	●	●	●	●	●	●		●	●	●
K	●	●	●	●	●	●	●	●	●		●	●	●
N	-	-	-	-	-	-	-	-	-		-	-	-
S	-	-	-	-	-	-	-	-	-		-	-	-
H	-	-	-	-	-	-	-	-	-		-	-	-

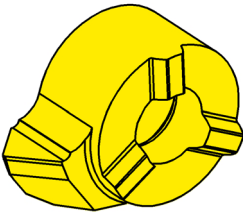
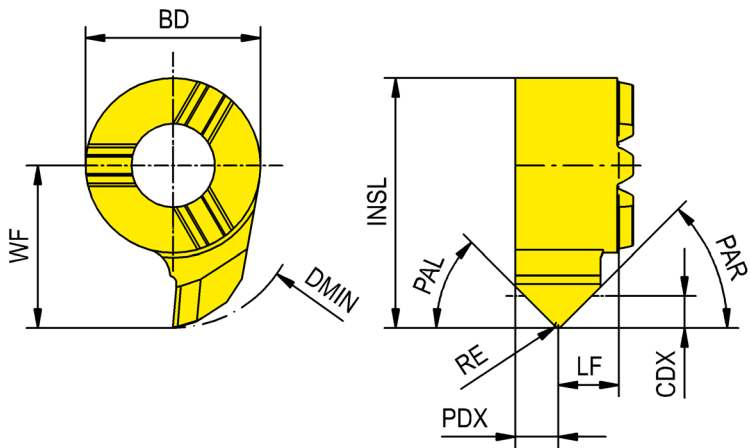
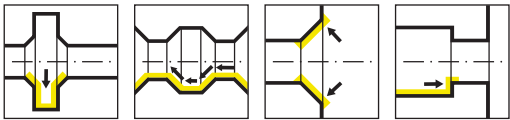


R = rechts wie gezeichnet
R = right hand version shown

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	PDPT	CHWTR	PSIRL	KCHTR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	T125
R116.0815.45	16	1,52	1,5	0,2	1,3	8°	45°	5,3	4,8	6	15,7	11611084N	▲	▲
L116.0815.45	16	1,52	1,5	0,2	1,3	8°	45°	5,3	4,8	6	15,7	11611084N	▲	▲
													P	● ●
													M	● ●
													K	● -
													N	- ●
													S	- -
													H	- -

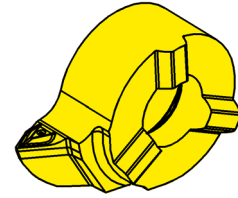
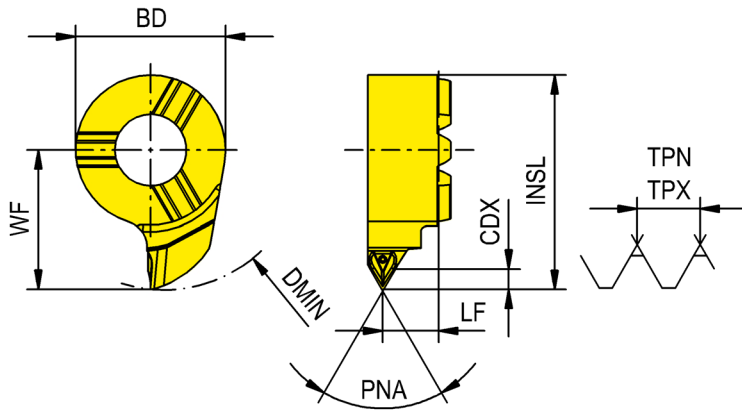


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

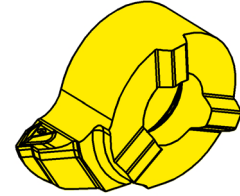
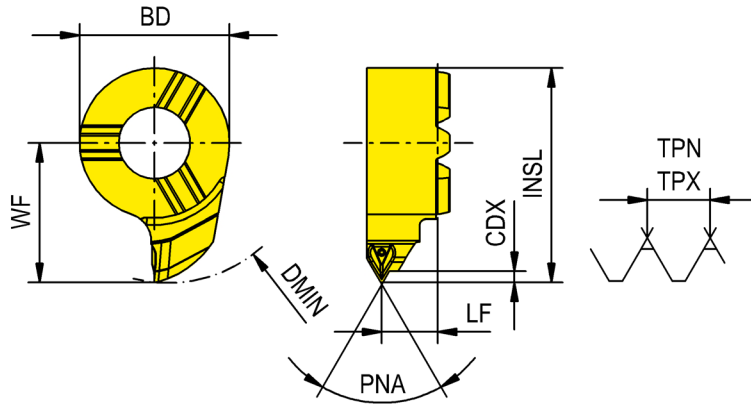
Artikelnummer Part number	DMIN	RE	CDX	PAL	PAR	PDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
R116.4545.02	16	0,2	2,1	45°	45°	2,7	3,8	10,2	11	15,7	11611084N	▲
L116.4545.02	16	0,2	2,1	45°	45°	2,7	3,8	10,2	11	15,7	11611084N	Δ
											P	●
											M	●
											K	●
											N	-
											S	-
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L = links wie gezeichnet
L = left hand version shown

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

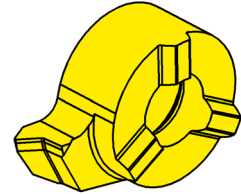
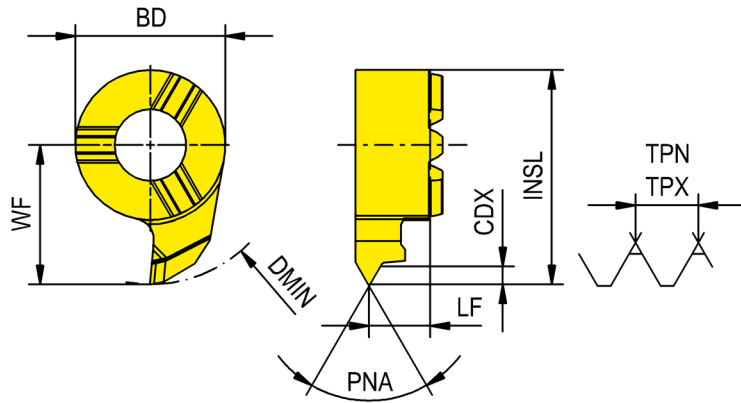
Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
RS116.0510.GM1	16	1	1	60°	0,7	4,1	10,2	11	15,7	11611084N	▲
RS116.0815.GM1	16	1,5	1,75	60°	1	4,1	10,2	11	15,7	11611084N	▲
RS116.1020.GM1	16	2	2	60°	1,1	4,1	10,2	11	15,7	11611084N	▲
RS116.1325.GM1	16	2,5	2,5	60°	1,4	4,1	10,2	11	15,7	11611084N	▲
LS116.0510.GM1	16	1	1	60°	0,7	4,1	10,2	11	15,7	11611084N	▲
LS116.0815.GM1	16	1,5	1,75	60°	1	4,1	10,2	11	15,7	11611084N	▲
LS116.1020.GM1	16	2	2	60°	1,1	4,1	10,2	11	15,7	11611084N	▲
LS116.1325.GM1	16	2,5	2,5	60°	1,4	4,1	10,2	11	15,7	11611084N	▲
										P	●
										M	●
										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	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55
RS116.0510.GM2	16	1	1,25	60°	0,55	4,1	10,2	11	15,7	11611084N	▲
RS116.0815.GM2	16	1,5	1,5	60°	0,82	4,1	10,2	11	15,7	11611084N	▲
RS116.1020.GM2	16	2	2	60°	1,09	4,1	10,2	11	15,7	11611084N	▲
RS116.1325.GM2	16	2,5	2,5	60°	1,36	4,1	10,2	11	15,7	11611084N	▲
LS116.0510.GM2	16	1	1,25	60°	0,55	4,1	10,2	11	15,7	11611084N	▲
LS116.0815.GM2	16	1,5	1,5	60°	0,82	4,1	10,2	11	15,7	11611084N	▲
LS116.1020.GM2	16	2	2	60°	1,09	4,1	10,2	11	15,7	11611084N	▲
LS116.1325.GM2	16	2,5	2,5	60°	1,36	4,1	10,2	11	15,7	11611084N	▲
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										M	●
										K	●
										N	-
										S	-
										H	-

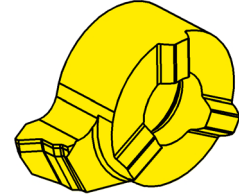
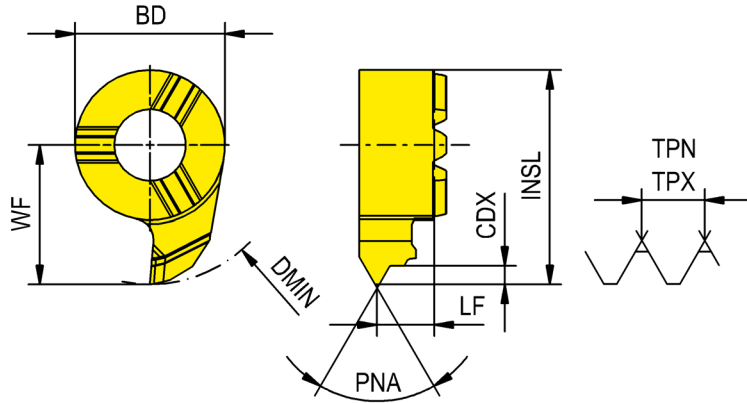


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35	TN35
R116.0510.01	16	1	1,25	60°	0,7	4,7	10,2	11	15,7	11611084N	▲	▲	▲
R116.0815.01	16	1,5	1,75	60°	1	4,5	10,2	11	15,7	11611084N	▲	▲	▲
R116.1020.01	16	2	2	60°	1,1	4,5	10,2	11	15,7	11611084N	▲	▲	▲
R116.1325.01	16	2,5	2,5	60°	1,4	4,2	10,2	11	15,7	11611084N	▲	▲	▲
L116.0510.01	16	1	1,25	60°	0,7	4,7	10,2	11	15,7	11611084N	Δ		Δ
L116.0815.01	16	1,5	1,75	60°	1	4,5	10,2	11	15,7	11611084N	Δ	Δ	▲
L116.1020.01	16	2	2	60°	1,1	4,5	10,2	11	15,7	11611084N	Δ	Δ	▲
L116.1325.01	16	2,5	2,5	60°	1,4	4,2	10,2	11	15,7	11611084N	Δ	▲	▲
P											●	●	●
M											●	●	-
K											●	-	●
N											-	-	-
S											-	-	-
H											-	-	-

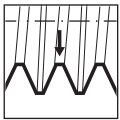


R = rechts wie gezeichnet
R = right hand version shown

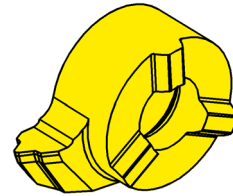
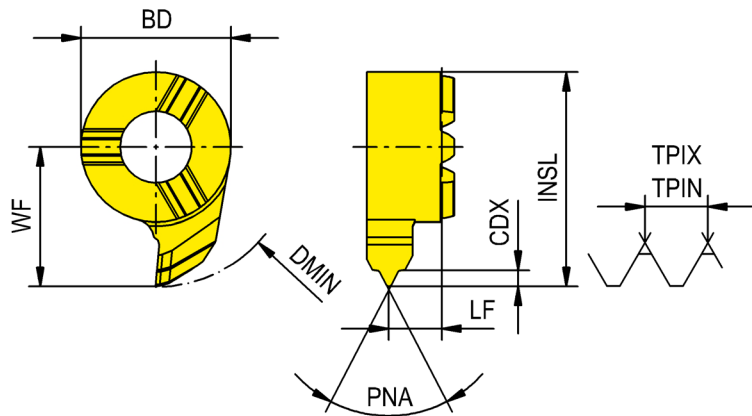
L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TN35
R116.0510.02	16	1	1	60°	0,55	4,7	10,2	11	15,7	11611084N	▲	▲
R116.0815.02	16	1,5	1,5	60°	0,82	4,5	10,2	11	15,7	11611084N	▲	▲
R116.1020.02	16	2	2	60°	1,09	4,3	10,2	11	15,7	11611084N	▲	▲
R116.1325.02	16	2,5	2,5	60°	1,36	4,2	10,2	11	15,7	11611084N	▲	▲
R116.1630.02	16	3	3	60°	1,63	4	10,2	11	15,7	11611084N	▲	▲
R116.1835.02	16	3,5	3,5	60°	1,9	3,8	10,2	11	15,7	11611084N	▲	▲
R116.2140.02	16	4	4	60°	2,17	3,6	10,2	11	15,7	11611084N	▲	▲
L116.0510.02	16	1	1	60°	0,55	4,7	10,2	11	15,7	11611084N	▲	Δ
L116.0815.02	16	1,5	1,5	60°	0,82	4,5	10,2	11	15,7	11611084N	Δ	▲
L116.1020.02	16	2	2	60°	1,09	4,3	10,2	11	15,7	11611084N	Δ	▲
L116.1325.02	16	2,5	2,5	60°	1,36	4,2	10,2	11	15,7	11611084N	Δ	▲
L116.1630.02	16	3	3	60°	1,63	4	10,2	11	15,7	11611084N	▲	▲
L116.1835.02	16	3,5	3,5	60°	1,9	3,8	10,2	11	15,7	11611084N	Δ	▲
L116.2140.02	16	4	4	60°	2,17	3,6	10,2	11	15,7	11611084N	Δ	Δ
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-



BSW
BSF

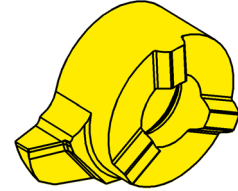
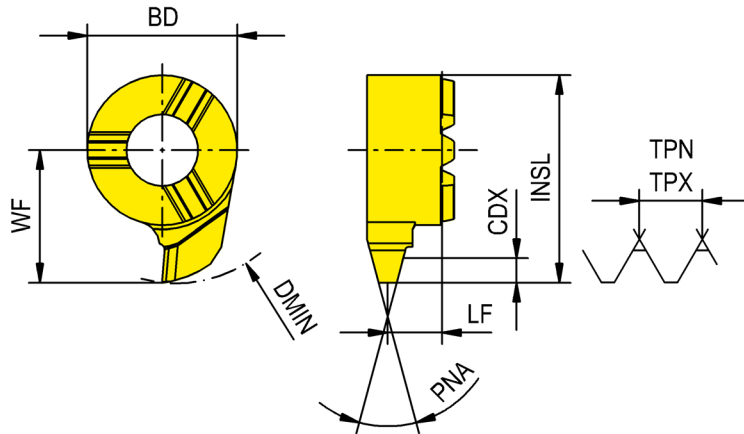


R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

Artikelnummer Part number	DMIN	TPIN	TPIX	PNA	CDX	LF	WF	BD	INS	Trennstelle M Interface M		EG55	TN35
R116.5511.02	16	11	11	55°	1,49	3,5	10,2	11	15,7	11611084N		▲	▲
R116.5514.02	16	14	14	55°	1,17	3,9	10,2	11	15,7	11611084N		▲	▲
L116.5511.02	16	11	11	55°	1,49	3,5	10,2	11	15,7	11611084N		Δ	Δ
L116.5514.02	16	14	14	55°	1,17	3,9	10,2	11	15,7	11611084N		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	DMIN	TPN	TPX	PNA	CDX	LF	WF	BD	INS	Trennstelle M Interface M	EG55	T125	TN35
R116.1220.01	16	2	2	30°	1,25	4,5	9,7	11	15,2	11611084N	▲		▲
R116.1730.01	16	3	3	30°	1,75	4,3	9,7	11	15,2	11611084N	▲		▲
R116.2240.01	16	4	4	30°	2,25	4	9,7	11	15,2	11611084N	▲		▲
R116.2750.01	16	5	5	30°	2,75	3,55	9,7	11	15,2	11611084N	▲		▲
R116.3560.01	16	6	6	30°	3,5	3,3	9,7	11	15,2	11611084N	▲	▲	
L116.1220.01	16	2	2	30°	1,25	4,5	9,7	11	15,2	11611084N	Δ		Δ
L116.1730.01	16	3	3	30°	1,75	4,3	9,7	11	15,2	11611084N	▲		▲
L116.2240.01	16	4	4	30°	2,25	4	9,7	11	15,2	11611084N	▲		▲
L116.2750.01	16	5	5	30°	2,75	3,55	9,7	11	15,2	11611084N	▲		▲
L116.3560.01	16	6	6	30°	3,5	3,3	9,7	11	15,2	11611084N	▲	▲	
P											●	●	●
M											●	●	-
K											●	-	●
N											-	●	-
S											-	-	-
H											-	-	-

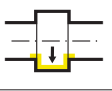
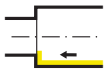
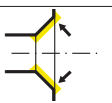
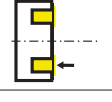
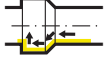


Kapitel Chapter	A			B								
	A1	A2	A3	B1	B2	B3	B4	B5	B6	B7	B8	B9
System System	105	109	110	106	107	108	10P	111	11P	114	116	18P

Ø DMIN

≥ 0,2	•											
≥ 0,5	•											
≥ 0,7	•											
≥ 1,0	•											
≥ 1,5	•											
≥ 2,0	•											
≥ 3,0	•											
≥ 4,0	•											
≥ 5,0	•											
≥ 6,0	•	•	•	•								
≥ 6,5				•								
≥ 6,8	•	•			•							
≥ 7,0	•	•			•							
≥ 7,8						•						
≥ 8,0			•		•	•						
≥ 9,0							•					
≥ 10,0			•				•	•	•			
≥ 10,5									•			
≥ 11,0								•				
≥ 11,5									•			
≥ 13,8										•		
≥ 14,0										•		
≥ 15,5											•	
≥ 16,0										•	•	
≥ 16,5										•		
≥ 17,5												•
≥ 18,0												•
≥ 20,0												•

Bearbeitung / Machining

	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•
	•	•			•	•		•		•	•	
	•	•		•	•	•	•	•	•	•	•	
	•	•	•							•		
	•	•	•	•	•	•	•	•	•	•	•	•

18P



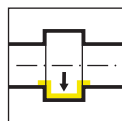
Klemmhalter und Schneidplatten

ab Bohrung Ø 17,5 mm

Toolholder and Inserts

from bore Ø 17,5 mm

Klemmhalter
Toolholder
B18P

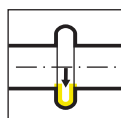


Seite/Page
389

Schneidplatte
Insert
S18P/18P



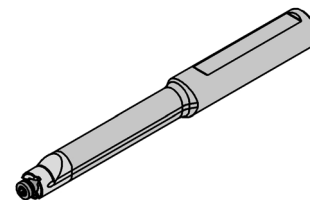
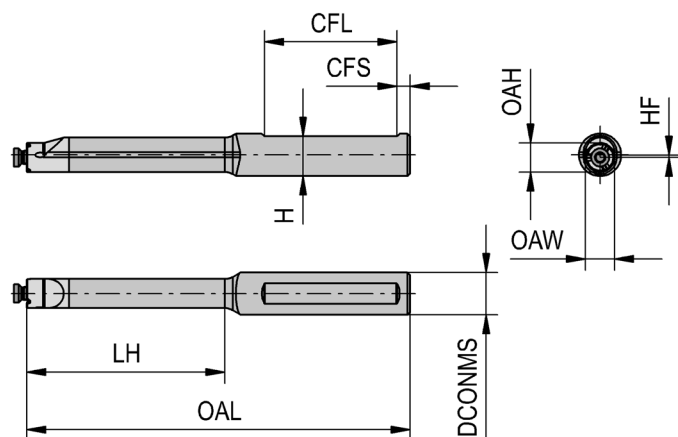
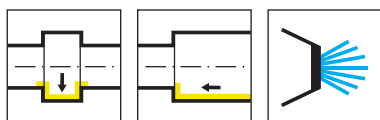
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390-391



Seite/Page
392



Seite/Page
393



R = rechts wie gezeichnet
R = right hand version shown

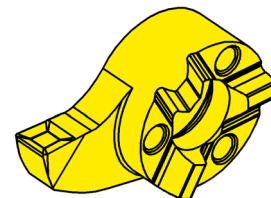
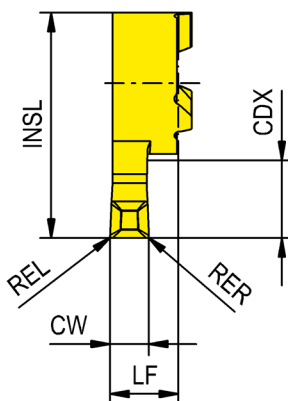
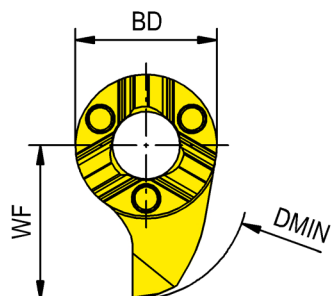
L = links spiegelbildlich
L = left hand version

Artikelnummer Part number	DCONMS	LH	OAL	CFL	H	CFS	OAH	OAW	HF	Trennstelle W Interface W
RB18P.0012.00	12	19,7	94,7	50	11	5	12,5	11	1	18P11084R
RB18P.0012.01	12	34,7	114,7	50	11	5	12,5	11	1	18P11084R
RB18P.0016.00	16	19,7	94,7	50	15	5	12,5	11	1	18P11084R
RB18P.0016.01	16	34,7	114,7	50	15	5	12,5	11	1	18P11084R
RB18P.0016.02	16	50,7	124,7	50	15	5	12,5	11	1	18P11084R
RB18P.0016.03	16	74,7	144,7	50	15	5	12,5	11	1	18P11084R
LB18P.0012.00	12	19,7	94,7	50	11	5	12,5	11	1	18P11084L
LB18P.0012.01	12	34,7	114,7	50	11	5	12,5	11	1	18P11084L
LB18P.0016.00	16	19,7	94,7	50	15	5	12,5	11	1	18P11084L
LB18P.0016.01	16	34,7	114,7	50	15	5	12,5	11	1	18P11084L
LB18P.0016.02	16	50,7	124,7	50	15	5	12,5	11	1	18P11084L
LB18P.0016.03	16	74,7	144,7	50	15	5	12,5	11	1	18P11084L

Ersatzteile

Spare Parts

Klemmhalter Toolholder	Spannschraube Clamping Screw	TORX PLUS®-Schlüssel TORX PLUS® Wrench
R/LB18P...	5.13T20EP	T20PQ

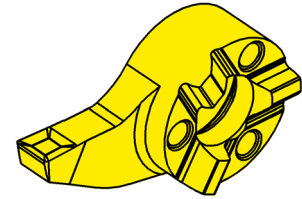
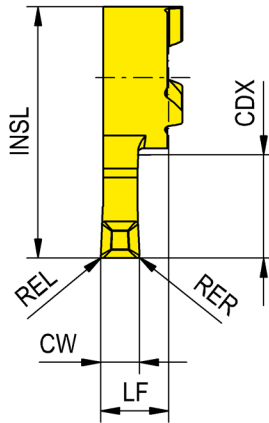
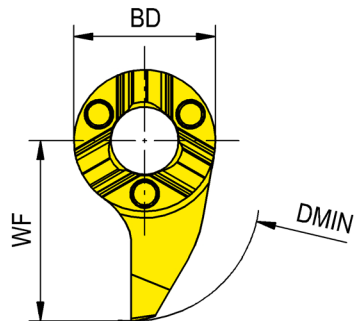
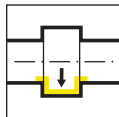


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Sorten
Grades
▲ ab Lager ▲ 4 Wochen
▲ on stock ▲ 4 weeks

Artikelnummer Part number	DMIN	CW	CDX	REL	RER	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS18P.0200.1.D2	18	2,01	6	0,2	0,2	5,3	12	11	17,5	18P11084R	▲	▲
RS18P.0250.1.D2	18	2,51	6	0,2	0,2	5,3	12	11	17,5	18P11084R	▲	▲
RS18P.0300.1.D2	18	3,01	6	0,2	0,2	5,3	12	11	17,5	18P11084R	▲	▲
LS18P.0200.1.D2	18	2,01	6	0,2	0,2	5,3	12	11	17,5	18P11084L	▲	▲
LS18P.0250.1.D2	18	2,51	6	0,2	0,2	5,3	12	11	17,5	18P11084L	▲	▲
LS18P.0300.1.D2	18	3,01	6	0,2	0,2	5,3	12	11	17,5	18P11084L	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

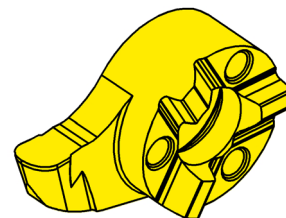
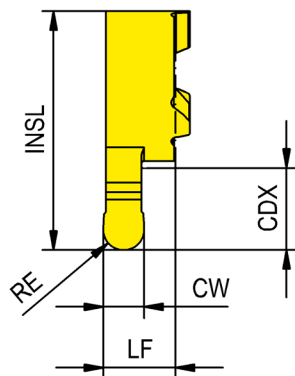
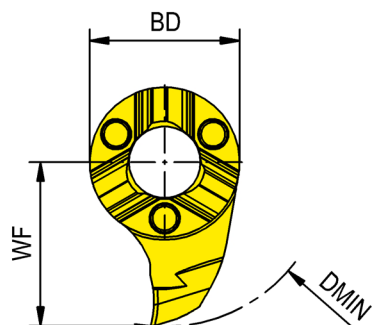
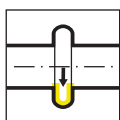


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L = left hand version

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	TH35
RS18P.0200.2.D2	20	2,01	8	0,2	0,2	5,3	14	11	19,5	18P11084R	▲	▲
RS18P.0250.2.D2	20	2,51	8	0,2	0,2	5,3	14	11	19,5	18P11084R	▲	▲
RS18P.0300.2.D2	20	3,01	8	0,2	0,2	5,3	14	11	19,5	18P11084R	▲	▲
LS18P.0200.2.D2	20	2,01	8	0,2	0,2	5,3	14	11	19,5	18P11084L	▲	▲
LS18P.0250.2.D2	20	2,51	8	0,2	0,2	5,3	14	11	19,5	18P11084L	Δ	▲
LS18P.0300.2.D2	20	3,01	8	0,2	0,2	5,3	14	11	19,5	18P11084L	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-

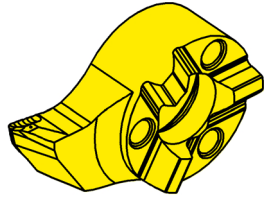
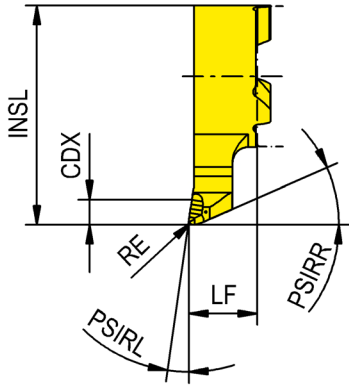
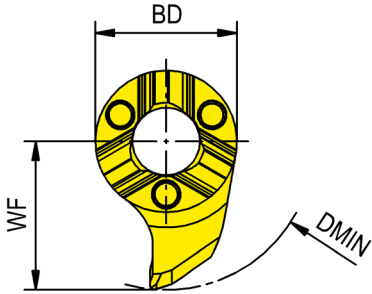
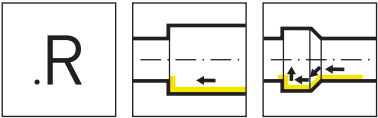


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L = left hand version

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	TH35
R18P.0009.1.18	18	1,8	0,9	6	5,3	12	11	17,5	18P11084R	▲	▲
R18P.0011.1.22	18	2,2	1,1	6	5,3	12	11	17,5	18P11084R	▲	▲
R18P.0015.1.30	18	3	1,5	6	5,3	12	11	17,5	18P11084R	▲	▲
L18P.0009.1.18	18	1,8	0,9	6	5,3	12	11	17,5	18P11084L	△	▲
L18P.0011.1.22	18	2,2	1,1	6	5,3	12	11	17,5	18P11084L	△	▲
L18P.0015.1.30	18	3	1,5	6	5,3	12	11	17,5	18P11084L	△	▲
										P	●
										M	●
										K	●
										N	-
										S	-
										H	-



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L = left hand version

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

Artikelnummer Part number	DMIN	RE	CDX	PS/RL	PS/RR	LF	WF	BD	INSL	Trennstelle M Interface M	EG55	TH35
RS18P.1815.R2	17,5	0,2	1,9	8,5°	20°	5,3	11,5	11	17	18P11084R	Δ	▲
RS18P.1815.R4	17,5	0,4	1,9	8,5°	20°	5,3	11,5	11	17	18P11084R	▲	▲
LS18P.1815.R2	17,5	0,2	1,9	8,5°	20°	5,3	11,5	11	17	18P11084L	Δ	Δ
LS18P.1815.R4	17,5	0,4	1,9	8,5°	20°	5,3	11,5	11	17	18P11084L	▲	▲
											P	●
											M	●
											K	●
											N	-
											S	-
											H	-





TECHNISCHE INFORMATIONEN

TECHNICAL INFORMATION

	Seite/Page
Sortenübersicht Grade Overview	396
Inhaltsangabe Schnittgeschwindigkeiten Summary Cutting Speeds	399
Geometrien und Vorschübe Supermini Geometries and Feed Rates Supermini	406
Geometrien und Vorschübe Mini Geometries and Feed Rates Mini	410
Gewindedrehen Threading	415
Klemmvarianten Halter Supermini Clamp Options Holders Supermini	416
Anzugsmoment Torque Specification	417
Werkzeugparameter nach ISO Tool Parameters according to ISO	418
Zubehör Accessories	421



Technologieinformationen
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Technologie instructions
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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	EG35	HC-P20-35	●																							
		HC-M20-35	●																							
		HC-K25-35	●																							
		HC-N20-25	○																							
	EG55	HC-P20-35	●																							
		HC-M20-35	●																							
		HC-K25-35	●																							
	ES15	HC-P05-20	●																							
		HC-M05-20	●																							
		HC-N05-20	○																							
		HC-S05-10	○																							
	IG35	HC-P05-20	●																							
		HC-M05-20	●																							
		HC-K05-20	●																							
		HC-N05-20	○																							
		HC-S20-25	○																							
	TH35	HC-P25-40	●																							
		HC-M25-40	●																							
	TI25	HC-P40-50	●																							
		HC-M40-50	●																							
		HC-N15-25	○																							
	TN35	HC-P40-50	○																							
		HC-K40	●																							
	SG36	HC-M05-15	○																							
		HC-S05-20	●																							
		HC-H20	●																							
unbeschichtet uncoated	MG12	HW-N25-30	○																							
		HW-O15	○																							
				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



	K								N						S						H					O					Schicht- werkstoff Coating material	
	05	10	15	20	25	30	35	40	05	10	15	20	25	30	05	10	15	20	25	30	05	10	15	20	25	05	10	15	20	25		
																															AlTiN + TiN	
																																AlTiN
																																TiAlSiN
																																TiAlN
																																TiCN
																																TiN
																																TiAlCrSiN
																																-
	05	10	15	20	25	30	35	40	05	10	15	20	25	30	05	10	15	20	25	30	05	10	15	20	25	05	10	15	20	25		

Schneidstoff Material group	Anwendung Application
EG3_	Schlichten bei mittleren Schnittgeschwindigkeiten Finishing at medium cutting speeds
EG5_	Schruppen und Schlichten bei mittleren bis hohen Schnittgeschwindigkeiten Roughing and finishing at medium to high cutting speeds
ES1_	Schlichten ohne Schnittunterbrechung bei moderaten Schnittgeschwindigkeiten Finishing without interrupted cut at moderate cutting speeds
IG35_	Schruppen und Schlichten ohne Schnittunterbrechung bei hohen Schnittgeschwindigkeiten Roughing and finishing without cutting interruptions at high cutting speeds
TH3_	Schruppen und Schlichten bei mittleren Schnittgeschwindigkeiten Roughing and finishing at medium cutting speeds
TI2_	Schruppen und Schlichten bei moderaten Schnittgeschwindigkeiten Roughing and finishing at moderate cutting speeds
TN3_	Schruppen bei moderaten Schnittgeschwindigkeiten, geeignet bei Schnittunterbrechung Roughing at moderate cutting speeds, suitable for interrupted cut
SG3_	Schlichten ohne Schnittunterbrechung bei moderaten Schnittgeschwindigkeiten Finishing without interrupted cut at moderate cutting speeds
MG12	Schruppen und Schlichten bei niedrigen Schnittgeschwindigkeiten Roughing and finishing at low cutting speeds



Schnittgeschwindigkeiten – Supermini und Mini

Cutting Speeds – Supermini and Mini

400

Vorschubwerte – Supermini

Feed Rate – Supermini

406

Vorschubwerte – Mini

Feed Rate – Mini

410



Schnittdaten

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Cutting data

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Schnittgeschwindigkeiten

Cutting Speeds



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, austeni- tischer 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														
	MG12	TN3_	TI2_	TH3_	ES1_	EG3_ EG5_	IG3_	DD2_	SG3_						
		145	145	170	170	170	185								
		135	135	160	160	160	185								
		130	130	150	150	150	175								
		120	120	145	145	145	170								
		95	110	135	135	135	160								
		120	120	145	145	145	170								
		110	110	145	145	145	170								
		110	110	145	145	145	170								
		110	110	130	130	130	145								
		70	70	110	110	110	130								
		120	120	145	145	145	170								
		65	65	70	70	70	80								
			115	130	130	130	145		145						
			50	70	70	70	80		80						
			85	110	110	110	120		120						

Schnittgeschwindigkeiten

Cutting Speeds



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	
		perlitisches (martensitisches) perlitic(martensitic)			260	K2	
	Gusseisen mit Kugelgraphit (GJS) / Ductile iron	ferritisch / ferritic			160	K3	
		perlitisches / perlitic			250	K4	
	Temperguss (MCI) Malleable cast iron	ferritisch / ferritic			130	K5	
		perlitisches / perlitic			230	K6	
	Kompaktierte Eisengrafite GGV (CGI) Compacted graphite iron	ferritisch, perlitisches oder perlitisches/ferritisch ferritic, perlitic or ferritic/perlitic				K7	
N	wärmebehandelter Kugelgraphitguss (ADI) heat-treated ductile iron	austenitisches-ferritisch austenitic-ferritic			250-480	K8	
	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														
	MG12	TN3_	TI2_	TH3_	ES1_	EG3_ EG5_	IG3_	DD2_	SG3_						
		120				145	160								
		95				120	145								
		145				170	185								
		110				135	160								
		145				170	185								
		110				135	160								
	175		175		280	280	280	280							
			175		280	280	280	280							
			175		200	200	200	280							
			175		160	160	160	280							
							240	240							
	175						225	225							
	175						175	175							

Schnittgeschwindigkeiten

Cutting Speeds



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	

405



Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
Bohrung drehen Internal boring	P M K N S H	f = 0,02-0,1 APMX = 0,1-0,5	
	P M K N S H	f = 0,03-0,08 APMX = 0,1-0,4	
	P M K N S H	f = 0,04-0,06 APMX = 0,15-0,5	
	P M K N S H	f = 0,05-0,1 APMX = 0,15-0,5	
	P M K N S H	f = 0,003-0,04 APMX = 0,005-0,1	
	P M K N S H	f = 0,03-0,1 APMX = 0,5-3	
	P M K N S H	f = 0,03-0,1 APMX = 0,5-3	



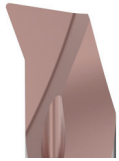
Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
Einstechen Grooving	P M K N S H	↓ $f = 0,02-0,07$	
	P M K N S H	↓ $f = 0,01-0,04$ ↔ $APMX = 0,03-0,05 \text{ mm}$	
Gewinde drehen Threading	P M K N S H	← $f = P$ $APMX = 0,03-0,1$	
	P M K N S H	← $f = P$ $APMX = 0,03-0,1 \text{ mm}$	
Axialstechen Face grooving	P M K N S H	← $f = 0,02-0,05$	

Angegebene Parameter sind auf die jeweilige Bearbeitungsdruchmesser/
Werkzeug anzupassen.

The specified parameters must be adjusted to the respective machining diameters/tool.

Bohrung drehen

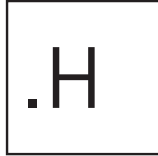
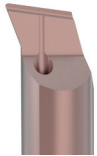
Internal boring



Bohrung
drehen
Internal boring

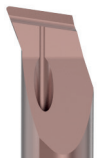
Leichtschneidende Universalgeometrie zum Ausdrehen. Ausgelegt für alle Werkstoffgruppen. Zum Schruppen und Schlichten geeignet.

Easy-cutting universal geometry for boring. Designed for all material groups. Suitable for roughing and finishing.



Geometrie mit Spantreppe, zuverlässige Spanbildung auch bei langspanenden Werkstoffen. Für niedrige Vorschübe.

Geometry with a chip breaker, ensuring reliable chip formation even with materials that produce long chips. For low feed rates.



Geometrie mit Spantreppe, zuverlässige Spanbildung auch bei langspanenden Werkstoffen. Für hohe Vorschübe.

Geometry with a chip breaker, ensuring reliable chip formation even with materials that produce long chips. For high feed rates.



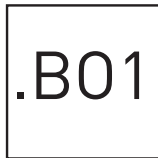
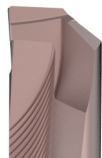
Extrem scharfe Ausdrehgeometrie mit optimierter Spanflächenqualität für die Mikrozerspanung. Für Kleinstvorschübe geeignet.

Extremely sharp turning geometry with optimised cutting edge quality for micro-machining. Suitable for very small feed rates.



Gesinterte Ausdrehgeometrie, prozesssichere Spanbildung über ein breites Einsatzgebiet von der mittleren bis zur Schrubbearbeitung.

Sintered turning geometry, reliable chip formation across a wide range of applications, from medium-duty to rough machining.



Geometrie mit Spantreppe, zum Ausdrehen mit großen Schnitttiefen in allgemeinen Stählen und langspanenden Werkstoffen.

Geometry with a chip breaker, designed for turning with large cutting depths in general-purpose steels and materials that produce long chips.



Leichtschneidende Universalgeometrie zum Ausdrehen mit großen Schnitttiefen auch in rostfreien Stählen. Mit Schleppschneide für hohe Vorschübe und hoher Bauteiloberflächengüte. Als Nebenanwendung zum Bohren in Stahl geeignet.

Easy-cutting universal geometry for boring with large cutting depths, even in stainless steels. Features a trailing edge for high feed rates and a high surface finish on workpieces. Also suitable for drilling in steel.



Einstechen

Grooving



Einstechen
Grooving

Einstechgeometrie ausgelegt für alle Werkstoffgruppen. Zum Schruppen und Schlichten geeignet. Als Nebenanwendung zum Kopieren von Einstichen geeignet.

Cutting geometry designed for all material groups. Suitable for roughing and finishing. Suitable as a secondary function for copying grooves



Kopierdrehgeometrie zum Schlichten von Einstichen in nahezu allen Werkstoffgruppen.

Copy-turning geometry for finishing grooves in almost all material groups.

Gewindedrehen

Treading



Gewinde
drehen
Threading

Geschliffene Standardgeometrie zur Fertigung von Gewinde in allen Werkstoffgruppen.

Ground standard geometry for cutting threads in all material groups



Gesinterte Geometrie zum Gewindedrehen mit prozesssicherer Spanbildung bei Stählen, Rostfreien Stählen und Nichteisenmetallen.

Sintered geometry for thread cutting with reliable chip formation when machining steels, stainless steels and non-ferrous metals.

Axialstechen

Face grooving



Axialstechen
Face grooving

Geschliffene Standardgeometrie zur Herstellung von axialen Einstichen in allen Werkstoffgruppen.

Ground standard geometry for producing axial grooves in all material groups.

Geometrien und Vorschübe - Mini

Geometries and Feed Rates - Mini



Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
Bohrung drehen Internal boring	P M K N S H	← f = 0,03-0,15 APMX = 0,1-1,5	
	P M K N S H	← f = 0,05-0,15 APMX = 0,05-1	
	P M K N S H	← f = 0,05-0,2 APMX = 0,2-2	
Gewinde drehen Threading	P M K N S H	← f = P APMX = 0,03-0,1	
	P M K N S H	← f = P APMX = 0,03-0,1 mm	
Einstechen Grooving	P M K N S H	↓ f = 0,02-0,075	
	P M K N S H	↓ f = 0,03-0,08 ↔ APMX = 0,2-1,5*	

*Systemabhängig / system dependend



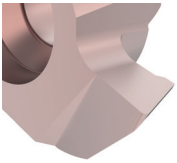
Geometrie Geometry	Werkstoff Material	Vorschubbereich f [mm/U] Feed rate f [mm/rev]	Bearbeitung Machining
	P M K N S H	↓ $f = 0,015-0,05$ ↔ $APMX = 0,03-0,01$	
Axialstechen Face grooving	P M K N S H	← $f = 0,02-0,08$	

Angegebene Parameter sind auf die jeweilige Bearbeitungsdruchmesser/
Werkzeug anzupassen.

The specified parameters must be adjusted to the respective machining diameters/tool.

Bohrung drehen

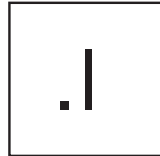
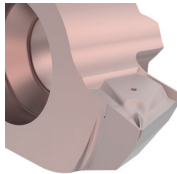
Internal boring



Bohrung
drehen
Internal boring

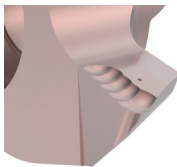
Leichtschneidende Universalgeometrie zum Ausdrehen. Ausgelegt für alle Werkstoffgruppen. Zum Schrappen und Schlichten geeignet.

Easy-cutting universal geometry for boring. Designed for all material groups. Suitable for roughing and finishing.



Gesinterte multidirektionale Spanformgeometrie. Auch zur Zerspaltung von bleifreien Werkstoffen geeignet. Funktion bei geringen Zustellungen sichergestellt.

Sintered, multi-directional chip-forming geometry. Also suitable for machining lead-free materials. Performance guaranteed at low feed rates.



Geometrie mit gesinteter Spanformgeometrie zur prozesssicheren Bearbeitung bei hohem Spanaufkommen. Für hohe Vorschübe und Zustellungen ausgelegt.

Geometry featuring a sintered chip-forming design for reliable machining with high chip volume. Designed for high feed rates and deep cuts.

Einstechen

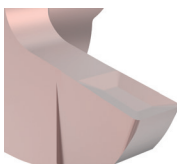
Grooving



Einstechen
Grooving

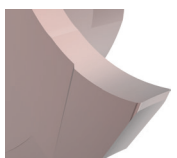
Einstechgeometrie ausgelegt für alle Werkstoffgruppen. Zum Schrappen und Schlichten geeignet. Als Nebenanwendung zum Kopieren von Einstichen geeignet.

Cutting geometry designed for all material groups. Suitable for roughing and finishing. Suitable as a secondary function for copying grooves



Einstechgeometrie mit gesinteter Spanformgeometrie, um den Span prozesssicher zu verjüngen. Kann zum Kopieren von Einstichen verwendet werden.

Grooving geometry with a sintered chip forming geometry to ensure reliable chip tapering. Can be used for copying grooves.



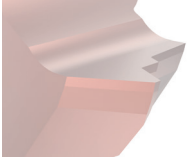
Kopierdrehgeometrie zum Schlichten von Einstichen in nahezu allen Werkstoffgruppen.

Copy-turning geometry for finishing grooves in almost all material groups.



Gewindedrehen

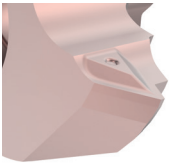
Treading



Gewinde
drehen
Threading

Geschliffene Standardgeometrie zur Fertigung von Gewinde in allen Werkstoffgruppen.

Ground standard geometry for cutting threads in all material groups



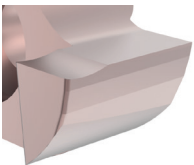
.GM

Gesinterte Geometrie zum Gewindedrehen mit prozesssicherer Spanbildung.

Sintered geometry for thread cutting with reliable chip formation in steel, stainless steel and non-ferrous metals

Axialstechen

Face grooving



Axialstechen
Face grooving

Geschliffene Standardgeometrie zur Herstellung von axialen Einstichen in allen Werkstoffgruppen.

Ground standard geometry for producing axial grooves in all material groups.



Zustellung

Radiale Zustellung

Die gebräuchlichste Methode Gewinde herzustellen. Beide Schneiden sind gleichzeitig im Eingriff.

Modifizierte Flankenzustellung

Weniger Verschleiß der Schleppschneide 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)					rostfreier Stahl Stainless steel	Grauguss Grey cast iron	Aluminium
	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							
		Stahl (Nmm² Festigkeit) Steel (N/mm² Tensile strength)					rostfreier Stahl Stainless steel	Grauguss Grey cast iron	Aluminium
		400-500	500-700	700-850	850-1150	> 1150			
mm	TP								
0,8	32	10	10	12	12	14	14	12	10
1,0	24	13	13	15	15	18	18	15	13
1,25	20-19	16	16	19	19	22	22	19	16
1,5	16	20	20	23	23	27	27	23	20
1,75	14	23	23	27	27	31	31	27	23
2,0	12-11	27	27	30	30	36	36	30	27
2,5	10	33	33	38	38	45	45	38	33
3,0-3,5	8	40	40	46	46	54	54	46	40

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



Schraubklemmung Screwed clamping



- Klemmung über Kugeldruckschraube
- IK-Durchgangsbohrung
- Universalplattensitz

- Klemmung über Kugeldruckschraube
- IK-Durchgangsbohrung
- Universalplattensitz

Anzugsmoment 3,5-5 Nm
Torque of screws

Abhebeelement Lift element



- Klemmung mit Abhebeelement
- Plattensitz abhängig von der Schneidplatte
- Verhindert Vibrationen

- Clamping with a lifting element
- Insert fit depends on the cutting insert
- Prevents vibrations

Anzugsmoment 3,5-5 Nm
Torque of screws

Stirnspannelement Face clamping

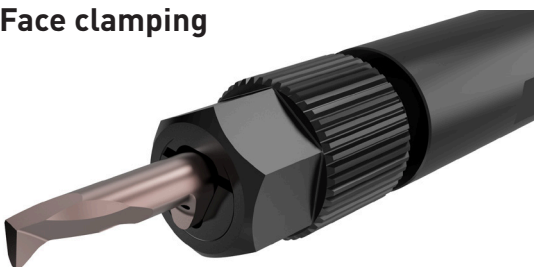


- Klemmung mit Stirnspannelement
- Plattensitz abhängig von der Schneidplatte
- Verhindert Vibrationen

- Clamping with a face clamping element
- Insert fit depends on the cutting insert
- Prevents vibrations

Anzugsmoment 2-5 Nm
Torque of screws

Überwurfmutter Face clamping



- Klemmung mit Überwurfmutter
- Plattensitz abhängig von der Schneidplatte
- Bei beengten Platzverhältnissen

- Clamping with a union nut
- Insert fit depends on the cutting insert
- In confined spaces

Anzugsmoment 2-4 Nm
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 Wrench	Klinge Blade
001	8.075.1835	5	SW4DIN911	DSW40K
AIH.974	030.3509.T15P	2,5	T10PL	DT10PK
	6.075T15P	5	T15PQ	DT15PK
B10P	2.6.5T8EP	1,2	T8PL	DT8PK
B11P	3.10T9P	1,8	T9PL	DT9PK
B18P	5.13T20EP	6	T20PQ	DT20PK / DT20PQ
B105	6.075T15P	5	T15PQ	DT15PK
B105.00...A...	030.00M8.1188	4	T25PQ	DT25PK / DT25PQ
B105.HSK...A...	030.00M8.1188	4	T25PQ	DT25PK / DT25PQ
B105.00...S...	030.0000.1157	2	T15PL	DT15PK
B105.HSK...S...	030.0000.1157	2	T15PL	DT15PK
B106	1.8.4T6EP	0,9	T6PL	DT6PK
B107	2.2.5T7EP	1,1	T7PL	DT7PK
B108	2.6.5T8EP	1,2	T8PL	DT8PK
B109	6.075T15P	5	T15PQ	DT15PK
B110	6.075T15P	5	T15PQ	DT15PK
B111	3.5.12T10EP	3	T10PL	DT10PK
B114	4.12T15EP	5	T15PQ	DT15PK
B116	5.13T20EP	6,5	T20PQ	DT20PK / DT20PQ
BA114	4.12.T15P	5	T15PQ	DT15PK
BKT	6.075T15P	5	T15PQ	DT15PK
BKT105...S...	030.0000.1157	2	T15PL	DT15PK
BU105	6.075T15P	5	T15PQ	DT15PK
BU105.00...S...	030.0000.1157	2	T15PL	DT15PK
H105	6.075T15P	5	T15PQ	DT15PK
HC105	6.075T15P	5	T15PQ	DT15PK
HC114	4.12T15EP	5	T15PQ	DT15PK
HSKT	6.075T15P	5	T15PQ	DT15PK
IR105	6.075T15P	5	T15PQ	DT15PK
KC760	5.12.T20P	6	T15PQ	DT15PK
N	6.075T15P	5	T15PQ	DT15PK
VDI	6.075T15P	5	T15PQ	DT15PK
WFB...105	6.075T15P	5	T15PQ	DT15PK
WFB...110	6.075T15P	5	T15PQ	DT15PK
WFB...114	4.12T15EP	5	T15PQ	DT15PK

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
FW	Breite Abflachung	Flat width

Werkzeugparameter nach ISO 13399

Tool Parameters according to ISO 13399



Parameter	Definition	
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
OAH	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
PRFA	Profilwinkel	Profile angle
PRFA2	Profilwinkel 2	Profilwinkel 2

Werkzeugparameter nach ISO 13399

Tool Parameters according to ISO 13399



Parameter	Definition	
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 heigth
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 thicknes 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.	Thred 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





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