



**MODULARE HALTERSISTEME**

**MODULAR HOLDER SYSTEMS**

**2025/2026**







**ERLEBEN SIE HORN**  
**EXPLORE HORN**

## Erleben Sie HORN

Herausragende Ergebnisse sind immer die Kombination aus optimalem Zerspanungsprozess und perfektem Werkzeug. HORN verbindet dafür Spitzentechnologie, Leistungsfähigkeit und Zuverlässigkeit. Von der Einzelteil- bis zur Serienfertigung, für Standard- oder Sonderanwendungen: Unsere Werkzeuge bieten Ihnen schnelle, wirtschaftliche und qualitativ hochwertige Lösungen. Bei der Auswahl der individuellen Schnittparameter unterstützen Sie unsere Tabellen mit praxiserprobten Erfahrungswerten im jeweiligen Katalog. Nutzen Sie darüber hinaus das Know-how unserer Mitarbeiterinnen und Mitarbeiter im Innen- und Außendienst.

Nachhaltigkeit ist ein zentraler Bestandteil unserer Unternehmensphilosophie. Deshalb stehen Qualitätssicherung, Umweltschutz, Energieeffizienz und Sicherheit bei unseren Produkten und in der Produktion seit jeher im Fokus. Als leistungsstarker und zuverlässiger Werkzeugpartner sorgen wir dafür, dass Sie mit uns gemeinsam in eine innovative und wirtschaftliche Zukunft gehen.

Besuchen Sie auch unseren eShop, der Ihnen rund um die Uhr zur Verfügung steht.



Markus Horn  
Geschäftsführer  
Paul Horn GmbH



Matthias Rommel  
Geschäftsführer  
Paul Horn GmbH

## Explore HORN

Outstanding results are always a combination of the optimum cutting process and the perfect tool. To achieve this, HORN combines advanced technology, performance and reliability. From single part to series production, for standard or special applications: Our tools offer you fast, economical, high quality solutions. To assist you when choosing cutting parameters, our tables in the respective catalogue provide proven empirical values. Take advantage of the expertise of our office staff and sales engineers.

Sustainability is a central part of our corporate philosophy. That is why we have always focused on quality assurance, environmental protection, energy efficiency and safety with regard to our products and our production. As an efficient and reliable tool partner, we make sure that you join us in an innovative and strong economic future.

Please visit our eShop, which is available around the clock.



Markus Horn  
CEO  
Paul Horn GmbH



Matthias Rommel  
CEO  
Paul Horn GmbH



- A    Modulares Stechsystem 220**  
Modular grooving system 220
- B    Modulares Stechsystem 840**  
Modular grooving system 840
- C    Modulares Stechsystem 960**  
Modular grooving system 960
- D    Modulares Stechsystem für Mehrspindler  
INDEX und SCHÜTTE**  
Modular grooving system for multi-spindle machine  
INDEX and SCHÜTTE
- E    Kassetten System 842 und 845  
für Modulare Stechsysteme 960 / 968 / 969**  
Kassettes System 842 and 845  
for Modular grooving system 960 / 968 / 969
- F    Technische Hinweise, Zubehör**  
Technical Instructions, Additional equipment

## INDEX

A

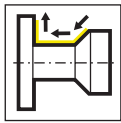
B

C

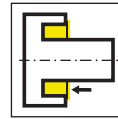
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E

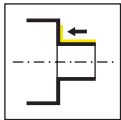
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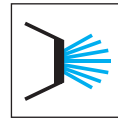
Kopierdrehen außen  
Profiling external



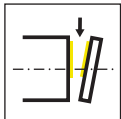
Axialstechen mit Bund  
Face grooving with collar



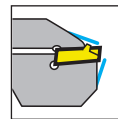
Längsdrehen außen  
Side turning external



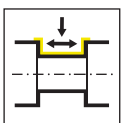
Innere Kühlmittelzufuhr  
Internal cooling



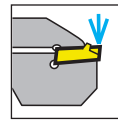
Abstechen  
Parting off



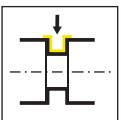
Zielgerichtete Kühlung  
Targeted coolant



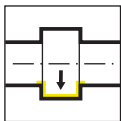
Einstechen und Längsdrehen  
Grooving and side turning



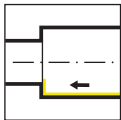
Kühlung durch die Schneide  
Coolant through the insert



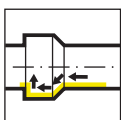
Einstechen außen  
Grooving external



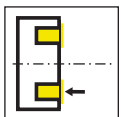
Einstechen innen  
Grooving internal



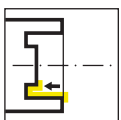
Bohrung ausdrehen innen  
Boring internal



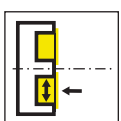
Bohrung ausdrehen Kontur  
Boring and profiling



Einstechen axial  
Grooving axial



Einstechen axial vor Mitte  
Grooving axial in front of center



Längsdrehen axial  
Side turning axial

- Alle Abmessungen sind in mm angegeben, sofern nicht anders vermerkt.  
All dimensions in mm, unless otherwise noted
- Weitere Abmessungen und Ausführungen sind auf Anfrage erhältlich.  
Further dimensions and versions are available on request.
- Das Anzugsmoment der Schrauben finden Sie im Kapitel "Technische Hinweise".  
For torque specification of the screw, please see "Technical Instructions".
- Alle Klemmhalter mit beschädigter Schneidplattenaufnahme können von unserem Reparaturservice instand gesetzt werden.  
All carbide milling shanks with damaged seating can be repaired by HORN.
- Lieferzeiten / delivery times
  - ▲ ab Lager / on stock
  - Δ 4 Wochen / 4 weeks
- Einsatz für Werkstoffgruppen / Use for material groups
  - empfohlen / recommended
  - bedingt einsetzbar / alternative recommended
  - nicht geeignet / not suitable

### Die HORN-Trennstellencodierung - wofür wird sie benötigt?

Die Trennstellencodierung stellt sicher, dass Sie immer die zueinander passenden Werkzeuge finden und wird bei Werkzeughaltern und bei Schneidplatten ausgewiesen. Wenn die Codes übereinstimmen, kann die Schneidplatte im entsprechenden Werkzeughalter verwendet werden.  
Das gilt auch für unser modulares Haltersystem, hier gibt die Trennstellencodierung die Schnittstelle zwischen Grundhalter und Kassette an.

### The HORN connection interface code - what is it needed for?

The connection interface code ensures that you will always find the appropriate tools and is shown on toolholders and inserts. If the codes match, the insert can be used in the corresponding toolholder.  
This also applies to our modular holder system, where the connection code indicates the interface between the holder and the cassette.

### HORN-Trennstellencodes und mögliche Kombinationen:

HORN connection interface codes and possible combinations:

**HIS** = Plattensitzgröße / Insert seat  
**HWS** = Trennstelle Werkstückseitig / Interface workpiece side  
**HMS** = Trennstelle Maschinenseitig / Interface machine side

|     |   |     |
|-----|---|-----|
| HIS | ↔ | HWS |
| HMS | ↔ | HWS |

### Beispiel Kassette

Example cassette

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | b <sub>3</sub> | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS             | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|----------------|---------------------|---|----------------|-----------------|--------|
| LAK220.6575.04.IK            | 65                 | 75                 | 10               | 15,7 | 23             | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229050 • 229051 | 220002 |

### Beispiel Grundhalter

Example basic toolholder

| Bestellnummer<br>Part number | f                              | d  | l <sub>1</sub> | h  | l <sub>2</sub> | b <sub>2</sub> | l   | D <sub>Bohr</sub> | HWS    |
|------------------------------|--------------------------------|----|----------------|----|----------------|----------------|-----|-------------------|--------|
| RB224.0032.K1.IK             | b <sub>2</sub> +f <sub>3</sub> | 32 | 181            | 30 | 59             | 0,41           | 200 | 90                | 220002 |







| System/System | Seite/Page |
|---------------|------------|
|---------------|------------|

### Grundhalter/Basic toolholder

|         |    |
|---------|----|
| Polygon | 14 |
|---------|----|

|    |    |
|----|----|
| TS | 28 |
|----|----|

|     |    |
|-----|----|
| HSK | 38 |
|-----|----|

|                |    |
|----------------|----|
| HSKT63/HSKT100 | 44 |
|----------------|----|

### Kassetten/ Cassettes

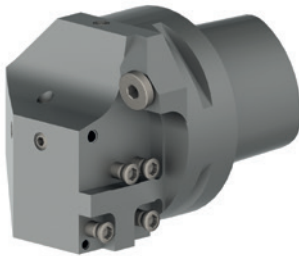
|    |    |
|----|----|
| BK | 54 |
|----|----|

|           |    |
|-----------|----|
| Radial NK | 62 |
|-----------|----|

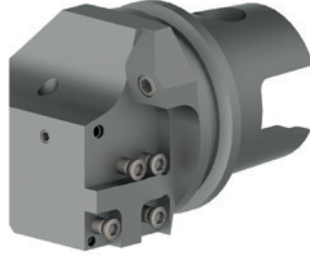
|                   |    |
|-------------------|----|
| Axial R/LAK R/LIK | 76 |
|-------------------|----|

### Grundhalter mit Schnittstelle 220

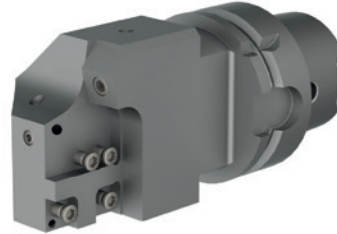
Basic holder with interface 220



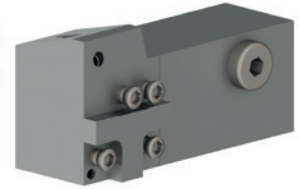
Polygon



TS



HSK  
HSKT



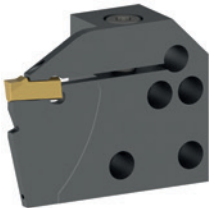
Klemmhalter  
Toolholder

### Kassetten mit Schnittstelle 220

Cassettes with interface 220

Einstecken radial  
Grooving radial

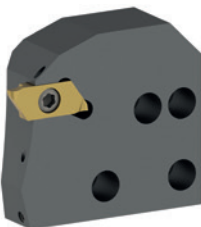
Schneidplatte  
Insert



**S100**



**S224  
S229**



**S274**



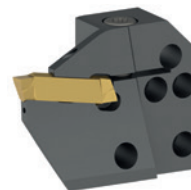
**S34T**

Einstecken axial  
Grooving axial

Schneidplatte  
Insert



**S15A  
S25A**



**S224  
S229**

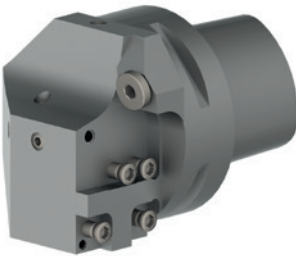
# Schnittstelle 220

Interface 220

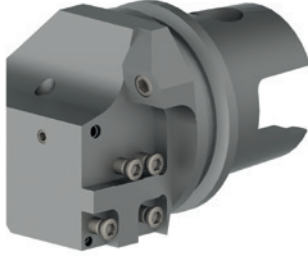


## Grundhalter mit Schnittstelle 220

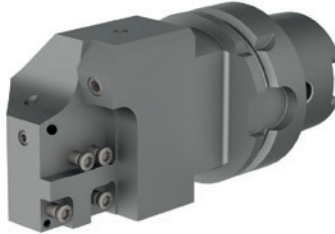
Basic holder with interface 220



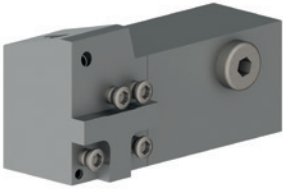
Polygon



TS



HSK  
HSKT



Klemmhalter  
Toolholder

## Kassetten mit Schnittstelle 220

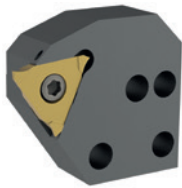
Cassettes with interface 220

Einstecken radial  
Grooving radial

Schneidplatte  
Insert



312



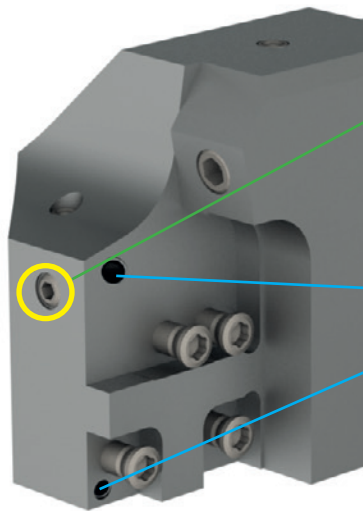
315  
S315



64T

### Grundhalter mit Schnittstelle 220

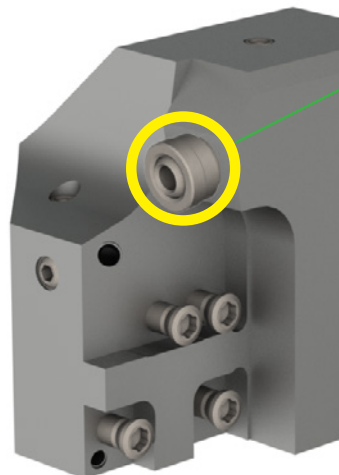
Basic holder with interface 220



Verschluss der oberen Kühlmittelübergabe an die Kassette durch Zylinderschraube

Closure of the upper coolant supply to the cassette by cylinder head screw

Kühlmittelzufuhr  
Coolant supply



Einsatz von Kassetten ohne innere Kühlmittelzufuhr unter Verwendung der Kugelspritzdüse

Verschluss der oberen Kühlmittelübergabe an die Kassette durch Zylinderschraube

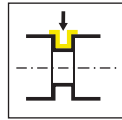
Use of cassettes without internal coolant supply using the coolant spray nozzle

Closure of the upper coolant supply to the cassette by cylinder head screw

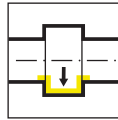




Grundhalter  
Basic toolholder  
220C/C5/C6/C8/  
B224C/B229C

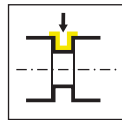


Seite/Page  
16-21



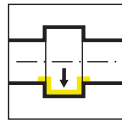
Seite/Page  
22-23

Klemmhalter  
Toolholder  
360C



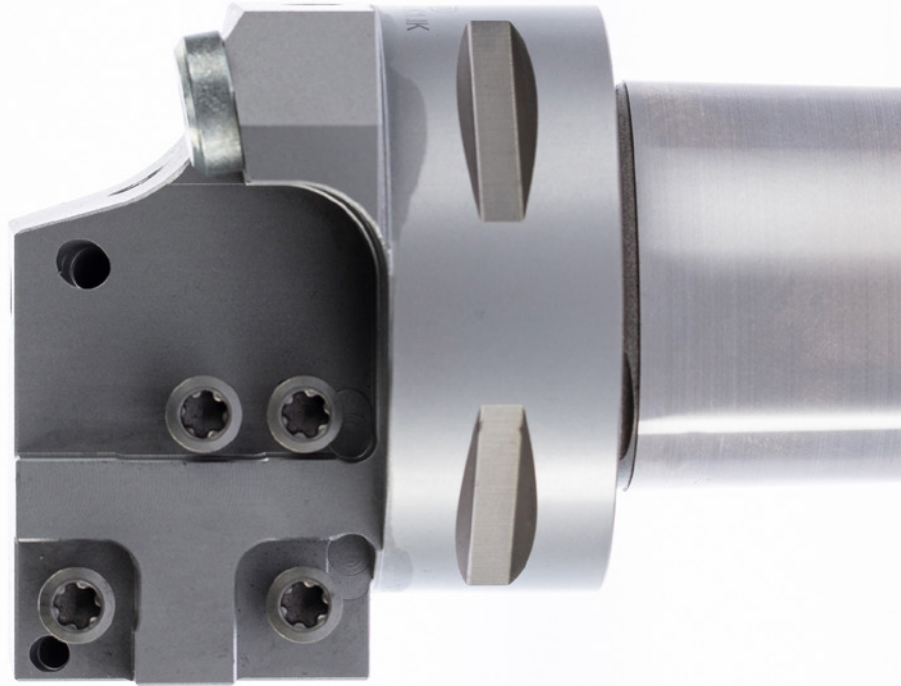
Seite/Page  
24-25

Bohrstangen-Aufnahme  
Adaptor for boring bars  
001C



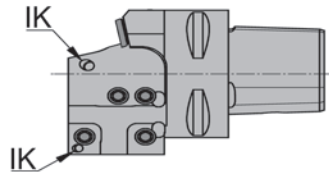
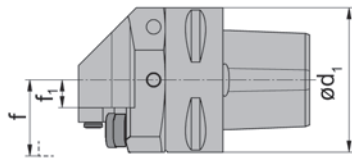
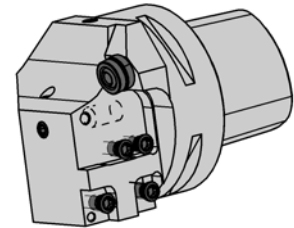
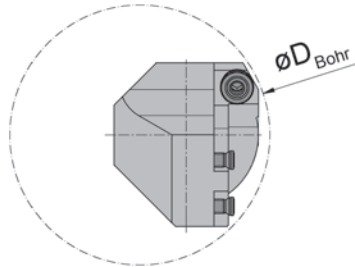
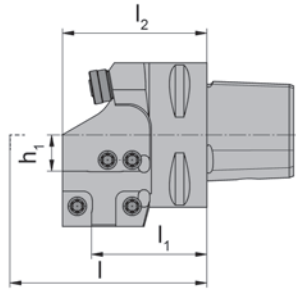
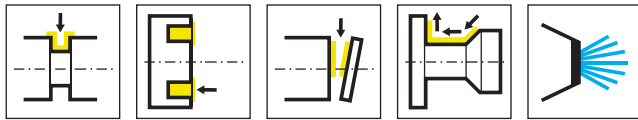
Seite/Page  
26

# Polygon



**HORN-Polygonschaft  
nach ISO 26623**

**HORN Polygon shank  
according ISO 26623**



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $l$         | $l_2$ | $d_1$ | $h_1$ | $f_1$ | $f$         | HWS    |
|------------------------------|-------|-------------|-------|-------|-------|-------|-------------|--------|
| R220.00C3.K1.IK              | 36    | $l_1 + l_K$ | 46    | 32    | 12,5  | 4,6   | $f_1 + f_3$ | 220001 |
| R220.00C4.K1.IK              | 40    | $l_1 + l_K$ | 50    | 40    | 12,5  | 4,6   | $f_1 + f_3$ | 220001 |
| R220.00C5.K1.IK              | 40    | $l_1 + l_K$ | 50    | 50    | 12,5  | 9,6   | $f_1 + f_3$ | 220001 |
| R220.00C6.K1.IK              | 42    | $l_1 + l_K$ | 52    | 63    | 12,5  | 16,1  | $f_1 + f_3$ | 220001 |
| R220.00C8.K1.IK              | 53    | $l_1 + l_K$ | 63    | 80    | 12,5  | 24,6  | $f_1 + f_3$ | 220001 |
| L220.00C3.K1.IK              | 36    | $l_1 + l_K$ | 46    | 32    | 12,5  | 4,6   | $f_1 + f_3$ | 220002 |
| L220.00C4.K1.IK              | 40    | $l_1 + l_K$ | 50    | 40    | 12,5  | 4,6   | $f_1 + f_3$ | 220002 |
| L220.00C5.K1.IK              | 40    | $l_1 + l_K$ | 50    | 50    | 12,5  | 9,6   | $f_1 + f_3$ | 220002 |
| L220.00C6.K1.IK              | 42    | $l_1 + l_K$ | 52    | 63    | 12,5  | 16,1  | $f_1 + f_3$ | 220002 |
| L220.00C8.K1.IK              | 53    | $l_1 + l_K$ | 63    | 80    | 12,5  | 24,6  | $f_1 + f_3$ | 220002 |

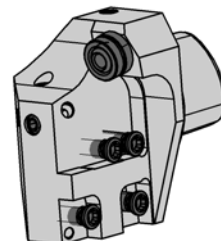
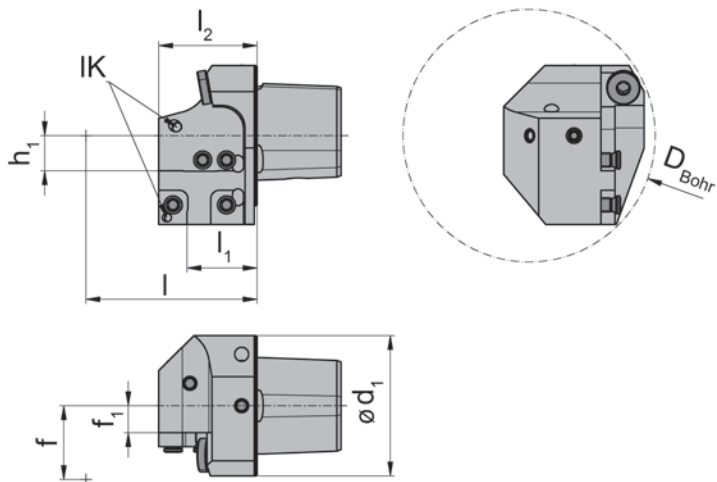
Abmessungen für DBore,  $f_3$  und IK siehe Kassetten  
Dimensions for DBore,  $f_3$  and IK see cassettes

R/L220...IK Kugelspritzdüse optional  
R/L220...IK Coolant spray nozzle optional

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| R/L220...                       | 5.12T20P                        | T20PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $l$         | $l_2$ | $d_1$ | $h_1$ | $f_1$ | $f$         | HWS    |
|------------------------------|-------|-------------|-------|-------|-------|-------|-------------|--------|
| <b>R220.00C4.K10.IK</b>      | 25    | $l_1 + l_k$ | 35    | 40    | 12,5  | 4,6   | $f_1 + f_3$ | 220001 |
| <b>R220.00C5.K10.IK</b>      | 25    | $l_1 + l_k$ | 35    | 50    | 12,5  | 9,6   | $f_1 + f_3$ | 220001 |
| <b>L220.00C4.K10.IK</b>      | 25    | $l_1 + l_k$ | 35    | 40    | 12,5  | 4,6   | $f_1 + f_3$ | 220002 |
| <b>L220.00C5.K10.IK</b>      | 25    | $l_1 + l_k$ | 35    | 50    | 12,5  | 9,6   | $f_1 + f_3$ | 220002 |

Abmessungen für DBohr, f3 und IK siehe Kassetten  
Dimensions for DBore, f3 and IK see cassettes

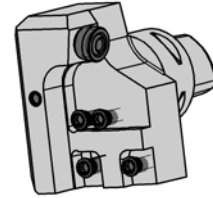
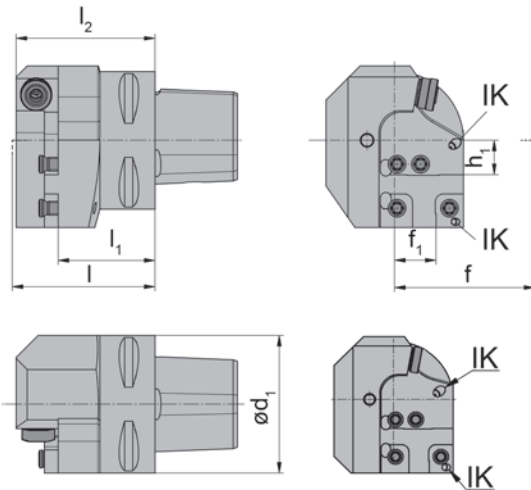
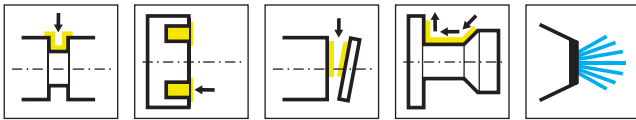
R/L220...IK Kugelspritzdüse optional  
R/L220...IK Coolant spray nozzle optional

Grundhalter ohne Anzugsgewinde  
Basic toolholder without tightening thread

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| R/L220...                       | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $l$       | $l_2$ | $d_1$ | $h_1$ | $f_1$ | $f$       | HWS    |
|------------------------------|-------|-----------|-------|-------|-------|-------|-----------|--------|
| R220.00C3.K2.IK              | 31,2  | $l_1+f_3$ | 46,5  | 32    | 12,5  | 10    | $f_1+l_K$ | 220002 |
| R220.00C4.K2.IK              | 35,2  | $l_1+f_3$ | 50,5  | 40    | 12,5  | 10    | $f_1+l_K$ | 220002 |
| R220.00C5.K2.IK              | 35,2  | $l_1+f_3$ | 50,5  | 50    | 12,5  | 15    | $f_1+l_K$ | 220002 |
| R220.00C6.K2.IK              | 37,2  | $l_1+f_3$ | 52,5  | 63    | 12,5  | 21,5  | $f_1+l_K$ | 220002 |
| R220.00C8.K2.IK              | 48,2  | $l_1+f_3$ | 63,5  | 80    | 12,5  | 30    | $f_1+l_K$ | 220002 |
| L220.00C3.K2.IK              | 31,2  | $l_1+f_3$ | 46,5  | 32    | 12,5  | 10    | $f_1+l_K$ | 220001 |
| L220.00C4.K2.IK              | 35,2  | $l_1+f_3$ | 50,5  | 40    | 12,5  | 10    | $f_1+l_K$ | 220001 |
| L220.00C5.K2.IK              | 35,2  | $l_1+f_3$ | 50,5  | 50    | 12,5  | 15    | $f_1+l_K$ | 220001 |
| L220.00C6.K2.IK              | 37,2  | $l_1+f_3$ | 52,5  | 63    | 12,5  | 21,5  | $f_1+l_K$ | 220001 |
| L220.00C8.K2.IK              | 48,2  | $l_1+f_3$ | 63,5  | 80    | 12,5  | 30    | $f_1+l_K$ | 220001 |

Abmessungen für Dmin, f3 und lK siehe Kassetten  
Dimensions for Dmin, f3 and lK see cassettes

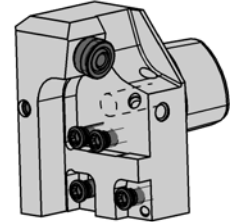
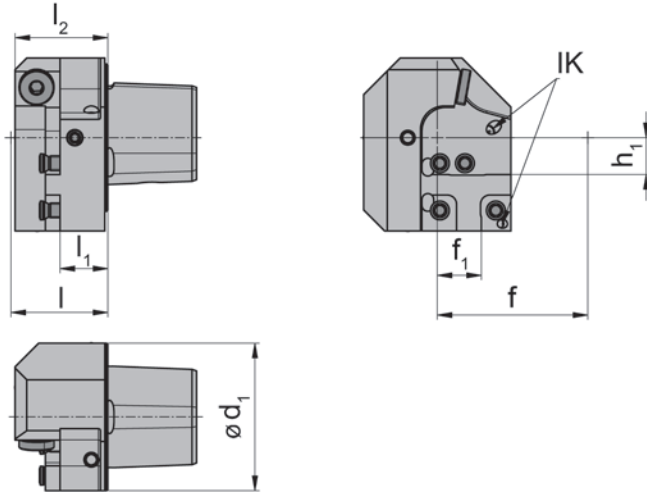
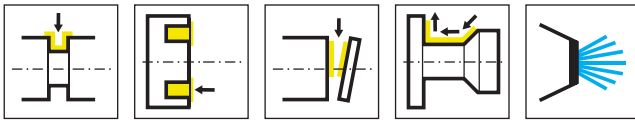
R/L220...IK Kugelspritzdüse optional  
R/L220...IK Coolant spray nozzle optional

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| R/L220...                       | 5.12T20P                        | T20PQ                                     |





R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $l$         | $l_2$ | $d_1$ | $h_1$ | $f_1$ | $f$         | HWS    |
|------------------------------|-------|-------------|-------|-------|-------|-------|-------------|--------|
| <b>R220.00C4.K20.IK</b>      | 16,2  | $l_1 + f_3$ | 31,5  | 40    | 12,5  | 10    | $f_1 + l_K$ | 220002 |
| <b>L220.00C4.K20.IK</b>      | 16,2  | $l_1 + f_3$ | 31,5  | 40    | 12,5  | 10    | $f_1 + l_K$ | 220001 |
| <b>L220.00C5.K20.IK</b>      | 16,2  | $l_1 + f_3$ | 31,5  | 50    | 12,5  | 15    | $f_1 + l_K$ | 220001 |

Abmessungen für Dmin, f3 und lK siehe Kassetten  
Dimensions for Dmin, f3 and lK see cassettes

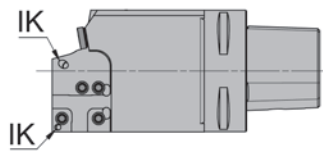
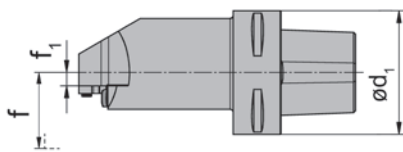
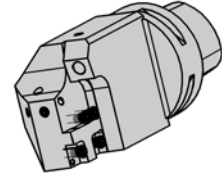
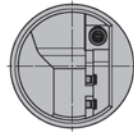
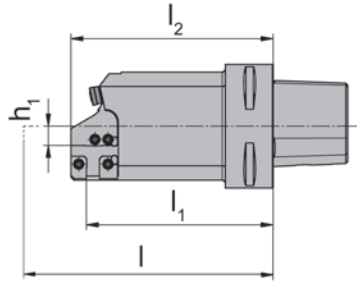
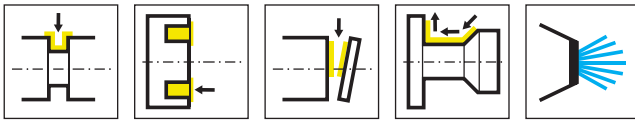
R/L220...IK Kugelspritzdüse optional  
R/L220...IK Coolant spray nozzle optional

Grundhalter ohne Anzugsgewinde  
Basic toolholder without tightening thread

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| R/L220.00C...                   | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $l$         | $l_2$ | $d_1$ | $h_1$ | $f_1$ | $f$         | HWS    |
|------------------------------|-------|-------------|-------|-------|-------|-------|-------------|--------|
| <b>C5.L220.120.K1.IK</b>     | 91    | $l_1 + l_K$ | 101   | 50    | 12,5  | 9,6   | $f_1 + f_3$ | 220002 |
| <b>C5.R220.120.K1.IK</b>     | 91    | $l_1 + l_K$ | 101   | 50    | 12,5  | 9,6   | $f_1 + f_3$ | 220001 |
| <b>C6.L220.120.K1.IK</b>     | 91    | $l_1 + l_K$ | 101   | 63    | 12,5  | 0,6   | $f_1 + f_3$ | 220002 |
| <b>C6.L220.150.K1.IK</b>     | 121   | $l_1 + l_K$ | 131   | 63    | 12,5  | 0,6   | $f_1 + f_3$ | 220002 |
| <b>C6.R220.120.K1.IK</b>     | 91    | $l_1 + l_K$ | 101   | 63    | 12,5  | 0,6   | $f_1 + f_3$ | 220001 |
| <b>C6.R220.150.K1.IK</b>     | 121   | $l_1 + l_K$ | 131   | 63    | 12,5  | 0,6   | $f_1 + f_3$ | 220001 |
| <b>C8.L220.150.K1.IK</b>     | 121   | $l_1 + l_K$ | 131   | 80    | 12,5  | 8,6   | $f_1 + f_3$ | 220002 |
| <b>C8.R220.150.K1.IK</b>     | 121   | $l_1 + l_K$ | 131   | 80    | 12,5  | 8,6   | $f_1 + f_3$ | 220001 |

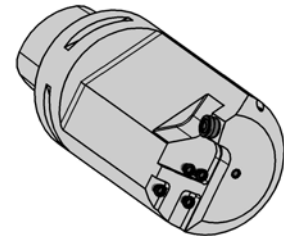
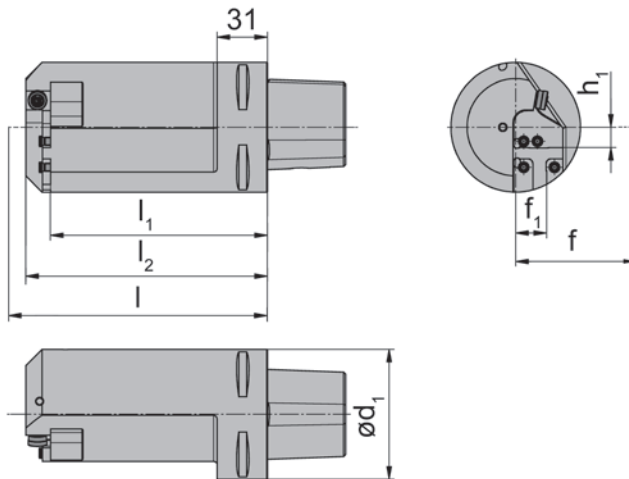
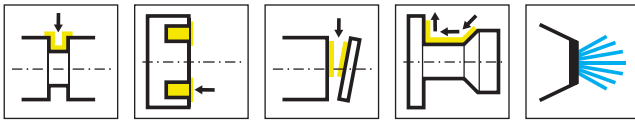
Abmessungen für  $f_3$  und IK siehe Kassetten  
Dimensions for  $f_3$  and IK see cassettes

C6.R/L220...IK Kugelspritzdüse optional  
C6.R/L220...IK Coolant spray nozzle optional

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| C...                            | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet

R = right hand version shown

| Bestellnummer<br>Part number | $l_1$ | $l$       | $l_2$ | $d_1$ | $h_1$ | $f$       | HWS    |
|------------------------------|-------|-----------|-------|-------|-------|-----------|--------|
| <b>C8.R220.150.K2.IK</b>     | 133,6 | $l_1+f_3$ | 148,8 | 80    | 12,5  | $f_1+l_k$ | 220002 |
| <b>C8.L220.150.K2.IK</b>     | 133,6 | $l_1+f_3$ | 148,8 | 80    | 12,5  | $f_1+l_k$ | 220001 |

Abmessungen für  $f_3$  und  $l_k$  siehe Kassetten

Dimensions for  $f_3$  and  $l_k$  see cassettes

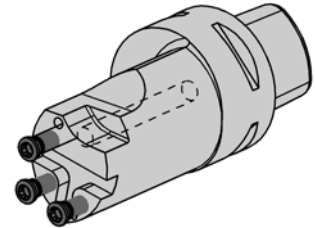
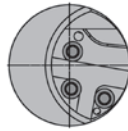
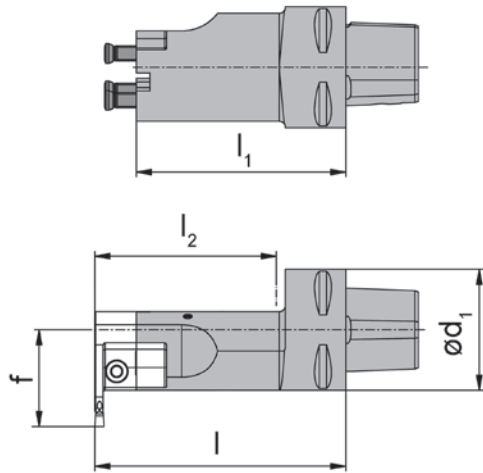
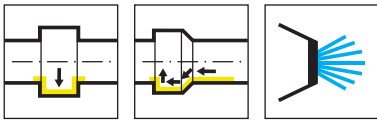
C8.R/L220...IK Kugelspritzdüse optional

C8.R/L220...IK Coolant spray nozzle optional

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| C8...                           | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | l                 | l <sub>2</sub> | l <sub>1</sub> | d <sub>1</sub> | f  | HWS    |
|------------------------------|-------------------|----------------|----------------|----------------|----|--------|
| RB224.00C3.1.K2.IK           | $l_1 + b_1 + w/2$ | 35             | 39,3           | 32             | 32 | BK2241 |
| RB224.00C4.1.K2.IK           | $l_1 + b_1 + w/2$ | 40             | 49,3           | 40             | 32 | BK2241 |
| RB224.00C4.2.K2.IK           | $l_1 + b_1 + w/2$ | 60             | 69,3           | 40             | 32 | BK2241 |
| RB224.00C5.1.K2.IK           | $l_1 + b_1 + w/2$ | 50             | 59,3           | 50             | 32 | BK2241 |
| RB224.00C5.2.K2.IK           | $l_1 + b_1 + w/2$ | 70             | 79,3           | 50             | 32 | BK2241 |
| RB224.00C6.2.K2.IK           | $l_1 + b_1 + w/2$ | 78             | 89,3           | 63             | 32 | BK2241 |
| LB224.00C4.1.K2.IK           | $l_1 + b_1 + w/2$ | 40             | 49,3           | 40             | 32 | BK2242 |
| LB224.00C4.2.K2.IK           | $l_1 + b_1 + w/2$ | 60             | 69,3           | 40             | 32 | BK2242 |
| LB224.00C6.2.K2.IK           | $l_1 + b_1 + w/2$ | 78             | 89,3           | 63             | 32 | BK2242 |

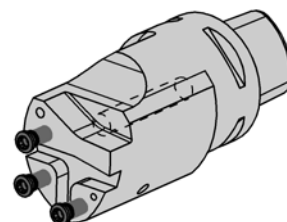
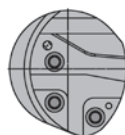
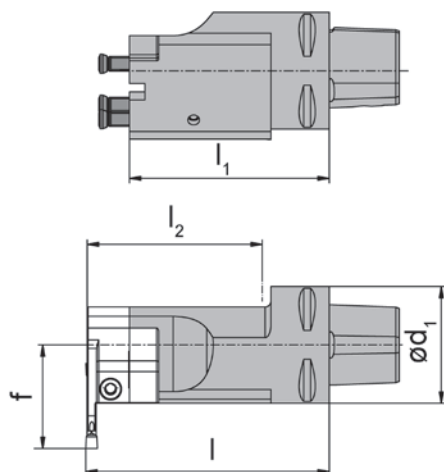
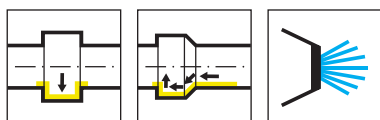
Abmessungen für Dmin, tmax siehe Kassetten  
Dimensions for Dmin, tmax see cassettes

Für Kassetten BK224 mit Kühlmittelzufuhr  
For cassettes BK224 with coolant supply

## Ersatzteile

Spare Parts

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



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | l                                   | l <sub>2</sub> | l <sub>1</sub> | d <sub>1</sub> | f    | HWS    |
|------------------------------|-------------------------------------|----------------|----------------|----------------|------|--------|
| <b>RB229.00C4.2.K2.IK</b>    | l <sub>1</sub> +b <sub>1</sub> +w/2 | 60             | 68,5           | 40             | 35,5 | BK2291 |
| <b>RB229.00C5.1.K2.IK</b>    | l <sub>1</sub> +b <sub>1</sub> +w/2 | 50             | 58,5           | 50             | 35,5 | BK2291 |
| <b>RB229.00C5.2.K2.IK</b>    | l <sub>1</sub> +b <sub>1</sub> +w/2 | 70             | 78,5           | 50             | 35,5 | BK2291 |
| <b>RB229.00C6.1.K2.IK</b>    | l <sub>1</sub> +b <sub>1</sub> +w/2 | 58             | 68,5           | 63             | 35,5 | BK2291 |
| <b>RB229.00C6.2.K2.IK</b>    | l <sub>1</sub> +b <sub>1</sub> +w/2 | 78             | 88,5           | 63             | 35,5 | BK2291 |
| <b>LB229.00C5.1.K2.IK</b>    | l <sub>1</sub> +b <sub>1</sub> +w/2 | 50             | 58,5           | 50             | 35,5 | BK2292 |
| <b>LB229.00C5.2.K2.IK</b>    | l <sub>1</sub> +b <sub>1</sub> +w/2 | 70             | 78,5           | 50             | 35,5 | BK2292 |
| <b>LB229.00C6.2.K2.IK</b>    | l <sub>1</sub> +b <sub>1</sub> +w/2 | 78             | 88,5           | 63             | 35,5 | BK2292 |

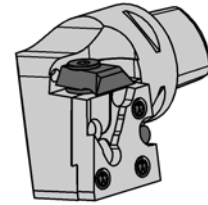
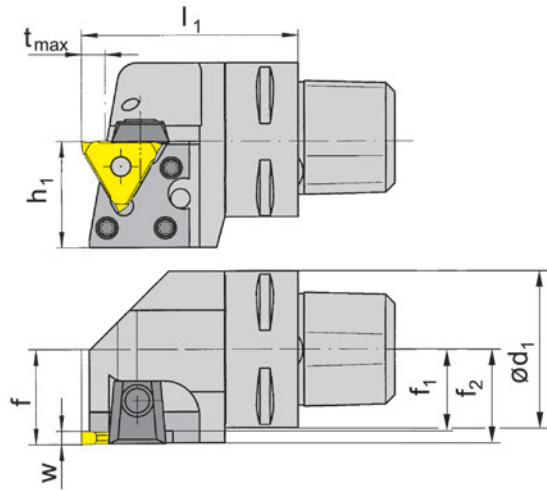
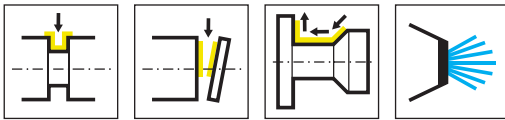
Abmessungen für Dmin, tmax siehe Kassetten  
Dimensions for Dmin, tmax see cassettes

Für Kassetten BK229 mit Kühlmittelzufuhr  
For cassettes BK229 with coolant supply

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| R/LB229...                      | <b>030.0518.T20P</b>            | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

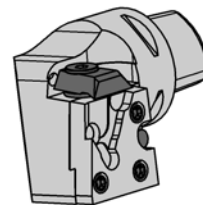
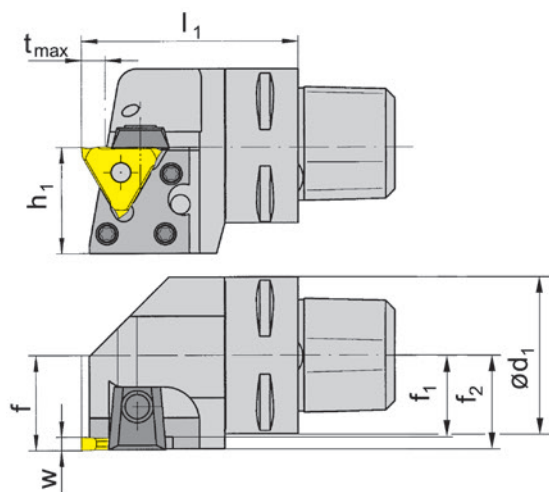
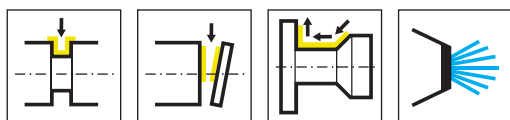
| Bestellnummer<br>Part number | $l_1$ | $h_1$ | $d_1$ | $f_1$ | $f$         | $f_2$ | $t_{max}$ | Spannbereich<br>Clamping range | HWS                                        |
|------------------------------|-------|-------|-------|-------|-------------|-------|-----------|--------------------------------|--------------------------------------------|
| <b>R360.00C3.K1</b>          | 45    | 27,3  | 32    | 20,5  | $f_1+w-a_1$ | 22    | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>R360.00C4.K1</b>          | 50    | 27,3  | 40    | 25,5  | $f_1+w-a_1$ | 27    | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>R360.00C5.K1</b>          | 50    | 27,3  | 50    | 25,5  | $f_1+w-a_1$ | 27    | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>R360.00C6.K1</b>          | 55    | 27,3  | 63    | 30,5  | $f_1+w-a_1$ | 32    | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>R360.00C3.K2</b>          | 45    | 27,3  | 32    | 19,5  | $f_1+w-a_1$ | 22    | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |
| <b>R360.00C4.K2</b>          | 50    | 27,3  | 40    | 24,5  | $f_1+w-a_1$ | 27    | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |
| <b>R360.00C5.K2</b>          | 50    | 27,3  | 50    | 24,5  | $f_1+w-a_1$ | 27    | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |
| <b>R360.00C6.K2</b>          | 55    | 27,3  | 63    | 29,5  | $f_1+w-a_1$ | 32    | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |
| <b>L360.00C3.K1</b>          | 45    | 27,3  | 32    | 20,5  | $f_1+w-a_1$ | 22    | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>L360.00C4.K1</b>          | 50    | 27,3  | 40    | 25,5  | $f_1+w-a_1$ | 27    | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>L360.00C5.K1</b>          | 50    | 27,3  | 50    | 25,5  | $f_1+w-a_1$ | 27    | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>L360.00C6.K1</b>          | 55    | 27,3  | 63    | 30,5  | $f_1+w-a_1$ | 32    | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>L360.00C3.K2</b>          | 45    | 27,3  | 32    | 19,5  | $f_1+w-a_1$ | 22    | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |
| <b>L360.00C4.K2</b>          | 50    | 27,3  | 40    | 24,5  | $f_1+w-a_1$ | 27    | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |
| <b>L360.00C5.K2</b>          | 50    | 27,3  | 50    | 24,5  | $f_1+w-a_1$ | 27    | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |
| <b>L360.00C6.K2</b>          | 55    | 27,3  | 63    | 29,5  | $f_1+w-a_1$ | 32    | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |

w, a1 siehe WSP  
w, a1 see indexable inserts

## Ersatzteile

Spare Parts

| Klemmhalter<br>Toolholder | Kassette<br>Cassette |
|---------------------------|----------------------|
| L360.00...K1              | <b>LK360.00.01</b>   |
| R360.00...K1              | <b>RK360.00.01</b>   |
| L360.00...K2              | <b>LK360.00.02</b>   |
| R360.00...K2              | <b>RK360.00.02</b>   |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

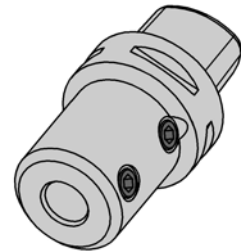
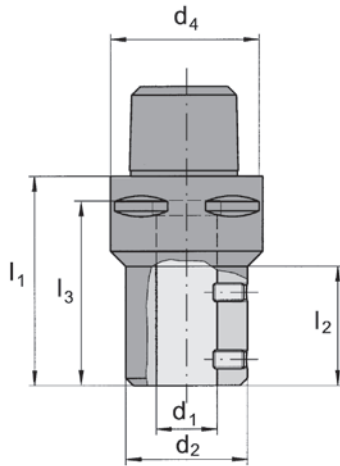
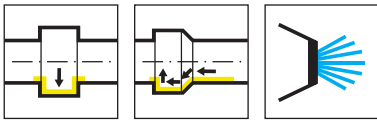
| Bestellnummer<br>Part number | $l_1$ | $h_1$ | $d_1$ | $f_1$ | $f$             | $f_2$ | $t_{max}$ | Spannbereich<br>Clamping range | HWS                      |
|------------------------------|-------|-------|-------|-------|-----------------|-------|-----------|--------------------------------|--------------------------|
| R360.00C3.K3                 | 45    | 27,3  | 32    | 18,5  | $f_1 + w - a_1$ | 22    | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| R360.00C4.K3                 | 50    | 27,3  | 40    | 23,5  | $f_1 + w - a_1$ | 27    | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| R360.00C5.K3                 | 50    | 27,3  | 50    | 23,5  | $f_1 + w - a_1$ | 27    | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| R360.00C6.K3                 | 55    | 27,3  | 63    | 28,5  | $f_1 + w - a_1$ | 32    | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| R360.00C3.K4                 | 45    | 27,3  | 32    | 16,8  | $f_1 + w - a_1$ | 22    | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |
| R360.00C4.K4                 | 50    | 27,3  | 40    | 21,8  | $f_1 + w - a_1$ | 27    | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |
| R360.00C5.K4                 | 50    | 27,3  | 50    | 21,8  | $f_1 + w - a_1$ | 27    | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |
| R360.00C6.K4                 | 55    | 27,3  | 63    | 26,8  | $f_1 + w - a_1$ | 32    | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |
| L360.00C3.K3                 | 45    | 27,3  | 32    | 18,5  | $f_1 + w - a_1$ | 22    | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| L360.00C4.K3                 | 50    | 27,3  | 40    | 23,5  | $f_1 + w - a_1$ | 27    | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| L360.00C5.K3                 | 50    | 27,3  | 50    | 23,5  | $f_1 + w - a_1$ | 27    | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| L360.00C6.K3                 | 55    | 27,3  | 63    | 28,5  | $f_1 + w - a_1$ | 32    | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| L360.00C3.K4                 | 45    | 27,3  | 32    | 16,8  | $f_1 + w - a_1$ | 22    | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |
| L360.00C4.K4                 | 50    | 27,3  | 40    | 21,8  | $f_1 + w - a_1$ | 27    | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |
| L360.00C5.K4                 | 50    | 27,3  | 50    | 21,8  | $f_1 + w - a_1$ | 27    | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |
| L360.00C6.K4                 | 55    | 27,3  | 63    | 26,8  | $f_1 + w - a_1$ | 32    | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |

w, a1 siehe WSP  
w, a1 see indexable inserts

## Ersatzteile

Spare Parts

| Klemmhalter<br>Toolholder | Kassette<br>Cassette |
|---------------------------|----------------------|
| L360.00...K3              | LK360.00.03          |
| R360.00...K3              | RK360.00.03          |
| L360.00...K4              | LK360.00.04          |
| R360.00...K4              | RK360.00.04          |



| Bestellnummer<br>Part number | $l_1$ | $l_2$ | $l_3$ | $d_4$ | $d_1$ | $d_2$ |
|------------------------------|-------|-------|-------|-------|-------|-------|
| 001.00C3.20                  | 70    | -     | 58    | 32    | 20    | 40    |
| 001.00C4.16                  | 65    | -     | 55    | 40    | 16    | 40    |
| 001.00C4.20                  | 70    | -     | 58    | 40    | 20    | 40    |
| 001.00C5.16                  | 65    | 44    | 55    | 50    | 16    | 40    |
| 001.00C5.20                  | 70    | 49    | 58    | 50    | 20    | 40    |
| 001.00C6.20                  | 70    | 45    | 58    | 63    | 20    | 40    |

## Ersatzteile

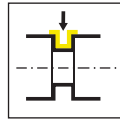
Spare Parts

| Bohrstangen-Aufnahme<br>Adaptor for boring bars | Spannschraube<br>Clamping Screw |
|-------------------------------------------------|---------------------------------|
| 001...                                          | 10.12.1835                      |



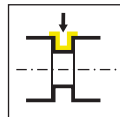


Grundhalter  
Basic toolholder  
220TS/B224TS/B229TS



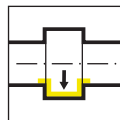
Seite/Page  
30-33

Klemmhalter  
Toolholder  
360TS



Seite/Page  
34-35

Bohrstangen-Aufnahme  
Adaptor for boring bars  
001TS



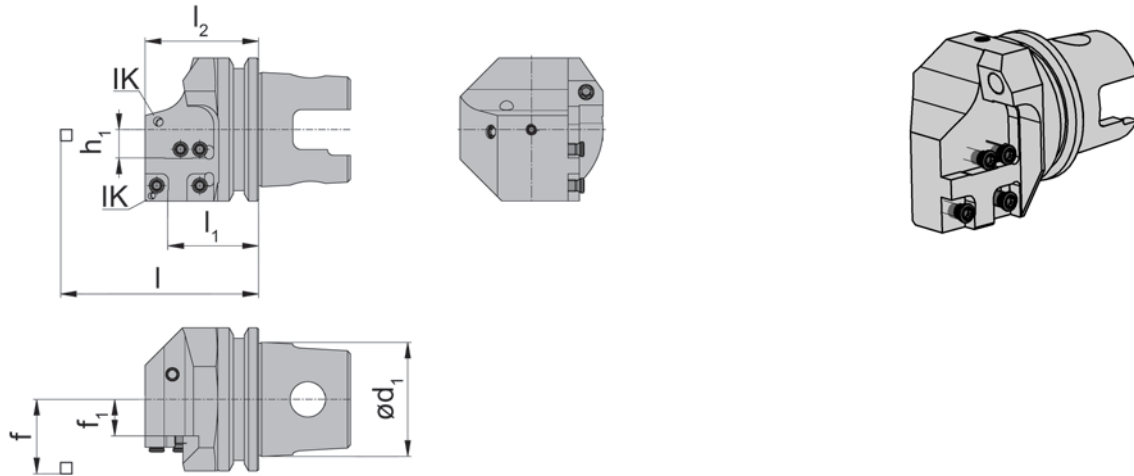
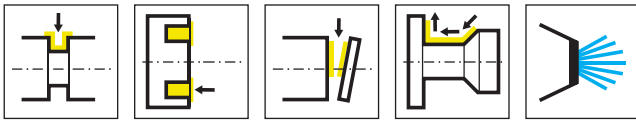
Seite/Page  
36

**TS**



**HORN TS nach  
ISO 26622**

**HORN TS according  
to ISO 26622**



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $l$         | $l_2$ | $d_1$ | $h_1$ | $f_1$ | $f$         | HWS    |
|------------------------------|-------|-------------|-------|-------|-------|-------|-------------|--------|
| <b>R220.TS40.K1.IK</b>       | 40    | $l_1 + l_K$ | 50    | 40    | 12,5  | 4,6   | $f_1 + f_3$ | 220001 |
| <b>R220.TS63.K1.IK</b>       | 40    | $l_1 + l_K$ | 50    | 63    | 12,5  | 16,1  | $f_1 + f_3$ | 220001 |
| <b>L220.TS40.K1.IK</b>       | 40    | $l_1 + l_K$ | 50    | 40    | 12,5  | 4,6   | $f_1 + f_3$ | 220002 |
| <b>L220.TS50.K1.IK</b>       | 40    | $l_1 + l_K$ | 50    | 50    | 12,5  | 9,6   | $f_1 + f_3$ | 220002 |
| <b>L220.TS63.K1.IK</b>       | 40    | $l_1 + l_K$ | 50    | 63    | 12,5  | 16,1  | $f_1 + f_3$ | 220002 |

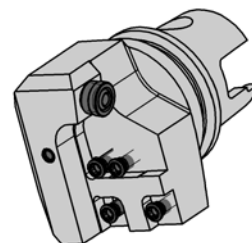
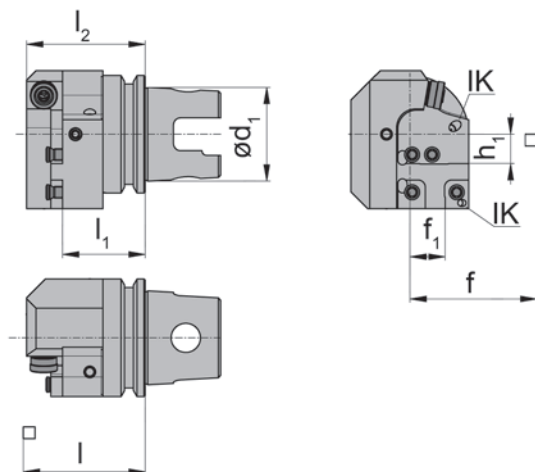
Abmessungen für DBöhr,  $f_3$  und IK siehe Kassetten  
Dimensions for DBore,  $f_3$  and IK see cassettes

R/L220...IK Kugelspritzdüse optional  
R/L220...IK Coolant spray nozzle optional

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | Kugelspritzdüse<br>Coolant spray nozzle | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-----------------------------------------|-------------------------------------------|
| R/L220.T...                     | <b>5.12T20P</b>                 | <b>020.1008.2977</b>                    | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $l$         | $l_2$ | $d_1$ | $h_1$ | $f_1$ | $f$         | HWS    |
|------------------------------|-------|-------------|-------|-------|-------|-------|-------------|--------|
| <b>R220.TS40.K2.IK</b>       | 35,2  | $l_1 + f_3$ | 50,5  | 40    | 12,5  | 10    | $f_1 + l_k$ | 220002 |
| <b>R220.TS50.K2.IK</b>       | 35,2  | $l_1 + f_3$ | 50,5  | 50    | 12,5  | 15    | $f_1 + l_k$ | 220002 |
| <b>L220.TS40.K2.IK</b>       | 35,2  | $l_1 + f_3$ | 50,5  | 40    | 12,5  | 10    | $f_1 + l_k$ | 220001 |
| <b>L220.TS50.K2.IK</b>       | 35,2  | $l_1 + f_3$ | 50,5  | 50    | 12,5  | 15    | $f_1 + l_k$ | 220001 |
| <b>L220.TS63.K2.IK</b>       | 35,2  | $l_1 + f_3$ | 50,5  | 63    | 12,5  | 21,5  | $f_1 + l_k$ | 220001 |

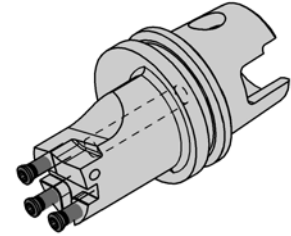
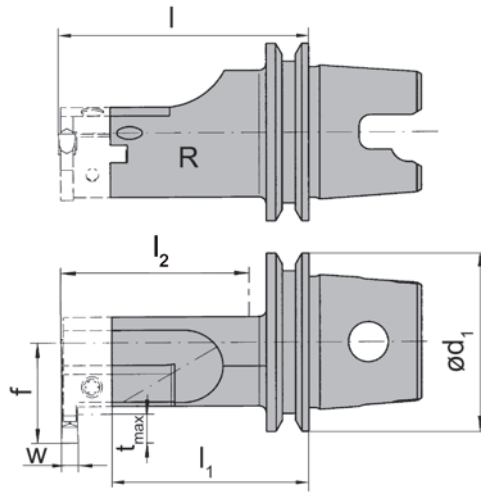
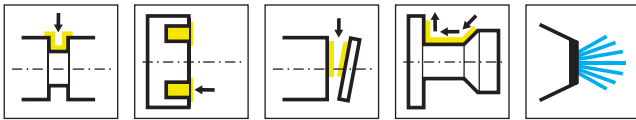
Abmessungen für DBohr, f3 und IK siehe Kassetten  
Dimensions for DBore, f3 and IK see cassettes

R/L220...IK Kugelspritzdüse optional  
R/L220...IK Coolant spray nozzle optional

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | Kugelspritzdüse<br>Coolant spray nozzle | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-----------------------------------------|-------------------------------------------|
| R/L220.T...                     | <b>5.12T20P</b>                 | <b>020.1008.2977</b>                    | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l$               | $l_2$ | $l_1$ | $d_1$ | $f$ | HWS    |
|------------------------------|-------------------|-------|-------|-------|-----|--------|
| RB224.TS40.1.K2              | $l_1 + b_1 + w/2$ | 48    | 49,3  | 40    | 32  | BK2241 |
| RB224.TS40.2.K2              | $l_1 + b_1 + w/2$ | 68    | 69,3  | 40    | 32  | BK2241 |
| RB224.TS50.1.K2              | $l_1 + b_1 + w/2$ | 54    | 59,3  | 50    | 32  | BK2241 |
| RB224.TS50.2.K2              | $l_1 + b_1 + w/2$ | 74    | 79,3  | 50    | 32  | BK2241 |
| RB224.TS63.1.K2              | $l_1 + b_1 + w/2$ | 62    | 69,3  | 63    | 32  | BK2241 |
| RB224.TS63.2.K2              | $l_1 + b_1 + w/2$ | 82    | 89,3  | 63    | 32  | BK2241 |
| LB224.TS40.1.K2              | $l_1 + b_1 + w/2$ | 48    | 49,3  | 40    | 32  | BK2242 |
| LB224.TS40.2.K2              | $l_1 + b_1 + w/2$ | 68    | 69,3  | 40    | 32  | BK2242 |
| LB224.TS50.1.K2              | $l_1 + b_1 + w/2$ | 54    | 59,3  | 50    | 32  | BK2242 |
| LB224.TS50.2.K2              | $l_1 + b_1 + w/2$ | 74    | 79,3  | 50    | 32  | BK2242 |
| LB224.TS63.1.K2              | $l_1 + b_1 + w/2$ | 62    | 69,3  | 63    | 32  | BK2242 |
| LB224.TS63.2.K2              | $l_1 + b_1 + w/2$ | 82    | 89,3  | 63    | 32  | BK2242 |

w siehe WSP  
w see indexable inserts

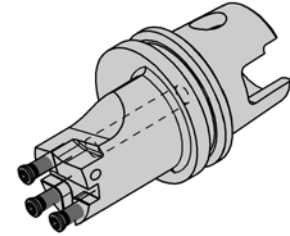
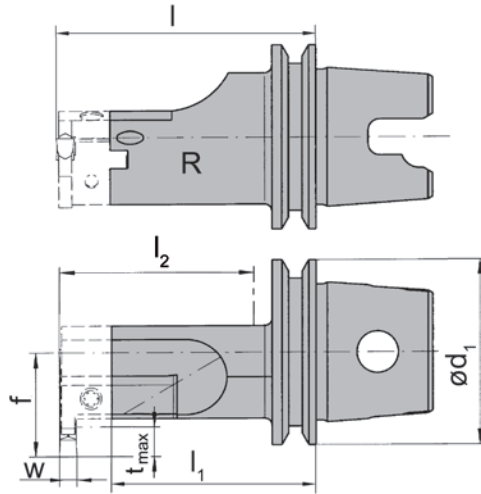
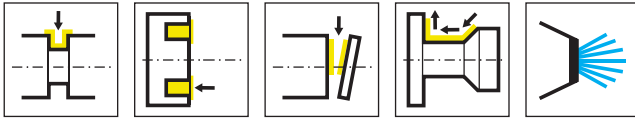
Für Kassetten BK224 **ohne** Kühlmittelzufuhr  
For cassettes BK224 without coolant supply

Abmessungen für Dmin, tmax siehe Kassetten  
Dimensions for Dmin, tmax see cassettes

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| R/LB224.TS...                   | 030.0518.T20P                   | T20PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l$           | $l_2$ | $l_1$ | $d_1$ | $f$  | HWS    |
|------------------------------|---------------|-------|-------|-------|------|--------|
| <b>RB229.TS40.1.K2</b>       | $l_1+b_1+w/2$ | 48    | 48,5  | 40    | 35,5 | BK2291 |
| <b>RB229.TS40.2.K2</b>       | $l_1+b_1+w/2$ | 68    | 68,5  | 40    | 35,5 | BK2291 |
| <b>RB229.TS50.1.K2</b>       | $l_1+b_1+w/2$ | 54    | 58,5  | 50    | 35,5 | BK2291 |
| <b>RB229.TS50.2.K2</b>       | $l_1+b_1+w/2$ | 74    | 78,5  | 50    | 35,5 | BK2291 |
| <b>RB229.TS63.1.K2</b>       | $l_1+b_1+w/2$ | 62    | 68,5  | 63    | 35,5 | BK2291 |
| <b>RB229.TS63.2.K2</b>       | $l_1+b_1+w/2$ | 82    | 88,5  | 63    | 35,5 | BK2291 |
| <b>LB229.TS40.1.K2</b>       | $l_1+b_1+w/2$ | 48    | 48,5  | 40    | 35,5 | BK2292 |
| <b>LB229.TS40.2.K2</b>       | $l_1+b_1+w/2$ | 68    | 68,5  | 40    | 35,5 | BK2292 |
| <b>LB229.TS50.1.K2</b>       | $l_1+b_1+w/2$ | 54    | 58,5  | 50    | 35,5 | BK2292 |
| <b>LB229.TS63.2.K2</b>       | $l_1+b_1+w/2$ | 82    | 88,5  | 63    | 35,5 | BK2292 |

w siehe WSP

w see indexable inserts

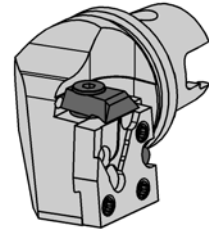
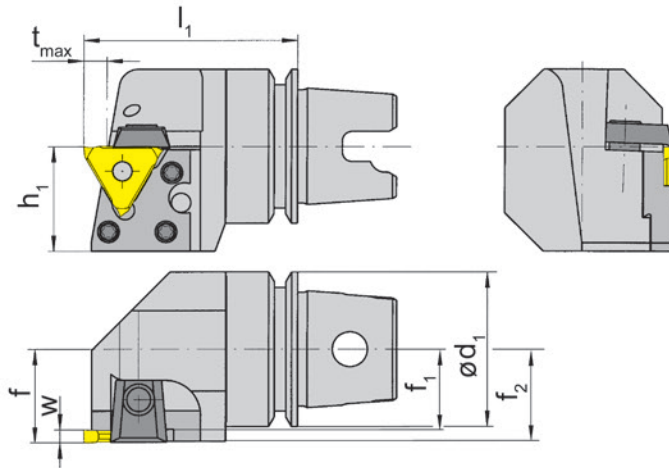
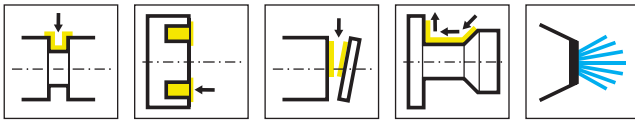
Für Kassetten BK229 **ohne** Kühlmittelzufuhr  
For cassettes BK229 without coolant supply

Abmessungen für Dmin, tmax siehe Kassetten  
Dimensions for Dmin, tmax see cassettes

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| R/LB229.TS...                   | <b>030.0518.T20P</b>            | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $h_1$ | $d_1$ | $f_1$ | $f$         | $f_2$ | $t_{max}$ | Spannbereich<br>Clamping range | HWS                                        |
|------------------------------|-------|-------|-------|-------|-------------|-------|-----------|--------------------------------|--------------------------------------------|
| <b>R360.TS40.K1</b>          | 40    | 27,3  | 40    | 19    | $f_1+w-a_1$ | 20,5  | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>R360.TS50.K1</b>          | 45    | 27,3  | 50    | 24    | $f_1+w-a_1$ | 25,5  | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>R360.TS63.K1</b>          | 50    | 31,5  | 63    | 30,5  | $f_1+w-a_1$ | 32    | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>R360.TS40.K2</b>          | 40    | 27,3  | 40    | 18    | $f_1+w-a_1$ | 20,5  | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |
| <b>R360.TS50.K2</b>          | 45    | 27,3  | 50    | 23    | $f_1+w-a_1$ | 25,5  | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |
| <b>R360.TS63.K2</b>          | 50    | 31,5  | 63    | 29,5  | $f_1+w-a_1$ | 32    | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |
| <b>L360.TS40.K1</b>          | 40    | 27,3  | 40    | 19    | $f_1+w-a_1$ | 20,5  | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>L360.TS50.K1</b>          | 45    | 27,3  | 50    | 24    | $f_1+w-a_1$ | 25,5  | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>L360.TS63.K1</b>          | 50    | 31,5  | 63    | 30,5  | $f_1+w-a_1$ | 32    | 4         | 0,5-1,9                        | 31201N • 31201R • 31201L • 31208N • 31211N |
| <b>L360.TS40.K2</b>          | 40    | 27,3  | 40    | 18    | $f_1+w-a_1$ | 20,5  | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |
| <b>L360.TS50.K2</b>          | 45    | 27,3  | 50    | 23    | $f_1+w-a_1$ | 25,5  | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |
| <b>L360.TS63.K2</b>          | 50    | 31,5  | 63    | 29,5  | $f_1+w-a_1$ | 32    | 6         | 1,9-2,9                        | 31202N • 31202R • 31202L                   |

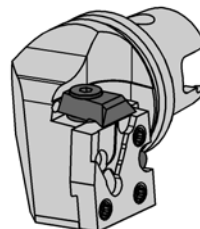
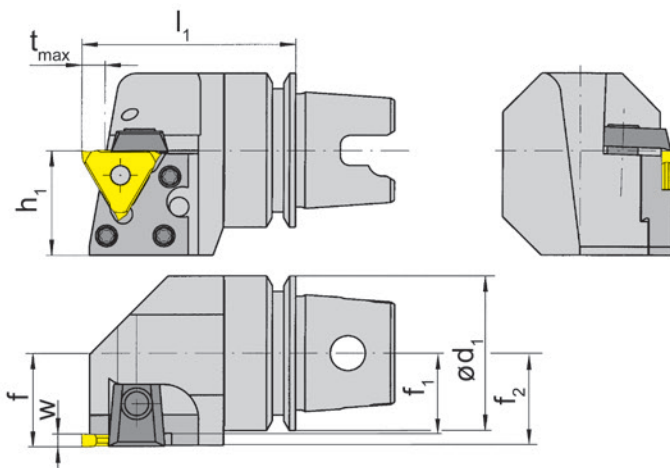
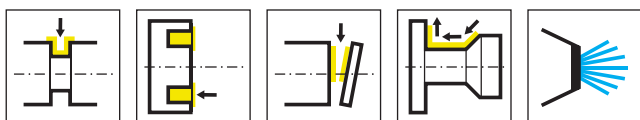
w, a1 siehe WSP  
w, a1 see indexable inserts

## Ersatzteile

Spare Parts

| Klemmhalter<br>Toolholder | Kassette<br>Cassette | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------|----------------------|-------------------------------------------|
| L360.TS...K1              | <b>LK360.00.01</b>   | <b>T15PQ</b>                              |
| R360.TS...K1              | <b>RK360.00.01</b>   | <b>T15PQ</b>                              |
| L360.TS...K2              | <b>LK360.00.02</b>   | <b>T15PQ</b>                              |
| R360.TS...K2              | <b>RK360.00.02</b>   | <b>T15PQ</b>                              |





R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

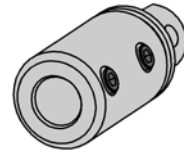
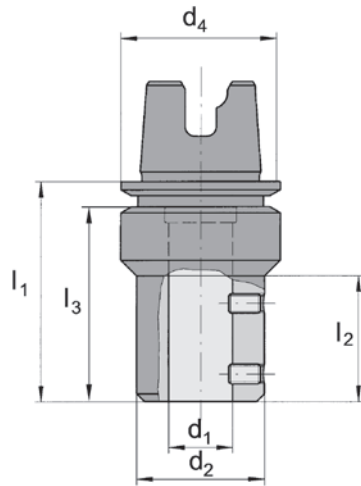
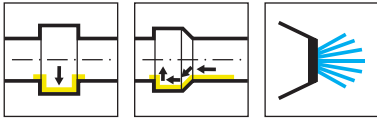
| Bestellnummer<br>Part number | $l_1$ | $h_1$ | $d_1$ | $f_1$ | $f$             | $f_2$ | $t_{max}$ | Spannbereich<br>Clamping range | HWS                      |
|------------------------------|-------|-------|-------|-------|-----------------|-------|-----------|--------------------------------|--------------------------|
| <b>R360.TS40.K3</b>          | 40    | 27,3  | 40    | 17    | $f_1 + w - a_1$ | 20,5  | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| <b>R360.TS50.K3</b>          | 45    | 27,3  | 50    | 22    | $f_1 + w - a_1$ | 25,5  | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| <b>R360.TS63.K3</b>          | 50    | 31,5  | 63    | 28,5  | $f_1 + w - a_1$ | 32    | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| <b>R360.TS50.K4</b>          | 45    | 27,3  | 50    | 20,3  | $f_1 + w - a_1$ | 25,5  | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |
| <b>R360.TS63.K4</b>          | 50    | 31,5  | 63    | 26,8  | $f_1 + w - a_1$ | 32    | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |
| <b>L360.TS40.K3</b>          | 40    | 27,3  | 40    | 17    | $f_1 + w - a_1$ | 20,5  | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| <b>L360.TS50.K3</b>          | 45    | 27,3  | 50    | 22    | $f_1 + w - a_1$ | 25,5  | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| <b>L360.TS63.K3</b>          | 50    | 31,5  | 63    | 28,5  | $f_1 + w - a_1$ | 32    | 6         | 2,9-3,9                        | 31203N • 31203R • 31203L |
| <b>L360.TS40.K4</b>          | 40    | 27,3  | 40    | 15,3  | $f_1 + w - a_1$ | 20,5  | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |
| <b>L360.TS50.K4</b>          | 45    | 27,3  | 50    | 20,3  | $f_1 + w - a_1$ | 25,5  | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |
| <b>L360.TS63.K4</b>          | 50    | 31,5  | 63    | 26,8  | $f_1 + w - a_1$ | 32    | 6         | 3,9-6,3                        | 31204N • 31204R • 31204L |

w, a1 siehe WSP  
w, a1 see indexable inserts

## Ersatzteile

Spare Parts

| Klemmhalter<br>Toolholder | Kassette<br>Cassette | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------|----------------------|-------------------------------------------|
| L360.TS...K3              | <b>LK360.00.03</b>   | <b>T15PQ</b>                              |
| R360.TS...K3              | <b>RK360.00.03</b>   | <b>T15PQ</b>                              |
| L360.TS...K4              | <b>LK360.00.04</b>   | <b>T15PQ</b>                              |
| R360.TS...K4              | <b>RK360.00.04</b>   | <b>T15PQ</b>                              |



| Bestellnummer<br>Part number | $l_1$ | $l_2$ | $l_3$ | $d_4$ | $d_1$ | $d_2$ |
|------------------------------|-------|-------|-------|-------|-------|-------|
| 001.TS40.16                  | 65    | 0     | 55    | 40    | 16    | 40    |
| 001.TS40.20                  | 70    | 0     | 58    | 40    | 20    | 40    |
| 001.TS50.16                  | 65    | 44    | 55    | 50    | 16    | 40    |
| 001.TS50.20                  | 70    | 49    | 55    | 50    | 20    | 40    |
| 001.TS63.16                  | 65    | 40    | 55    | 63    | 16    | 40    |
| 001.TS63.20                  | 70    | 45    | 58    | 63    | 20    | 40    |

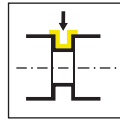
## Ersatzteile

Spare Parts

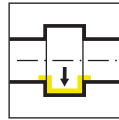
| Bohrstangen-Aufnahme<br>Adaptor for boring bars | Spannschraube<br>Clamping Screw |
|-------------------------------------------------|---------------------------------|
| 001...                                          | 10.12.1835                      |



Grundhalter  
Basic toolholder  
HSK-220/HSK224/  
HSK229

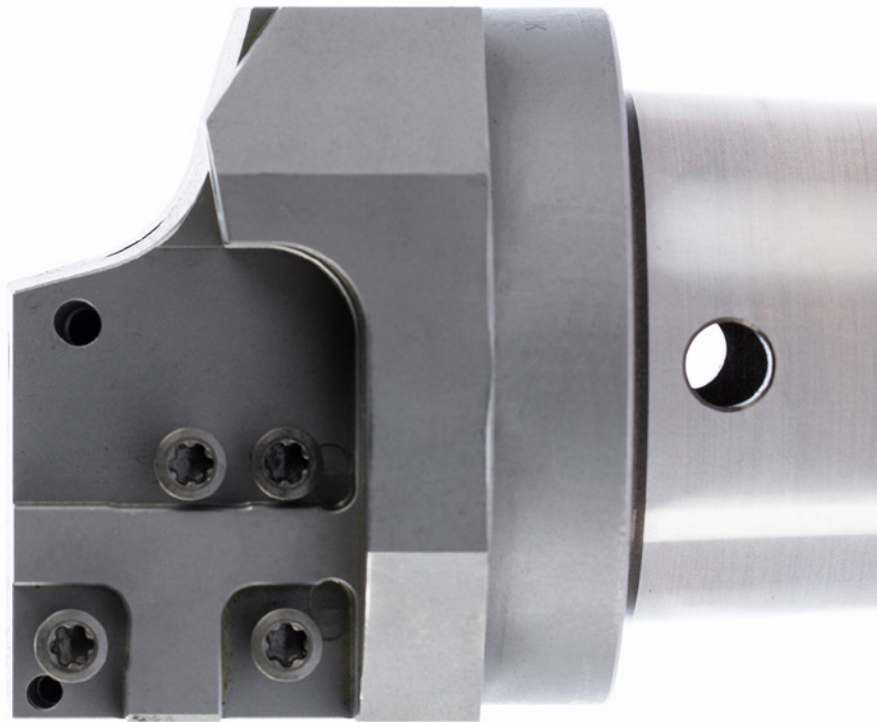


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40-41



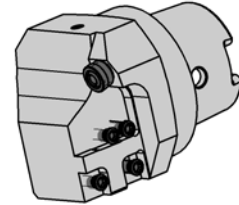
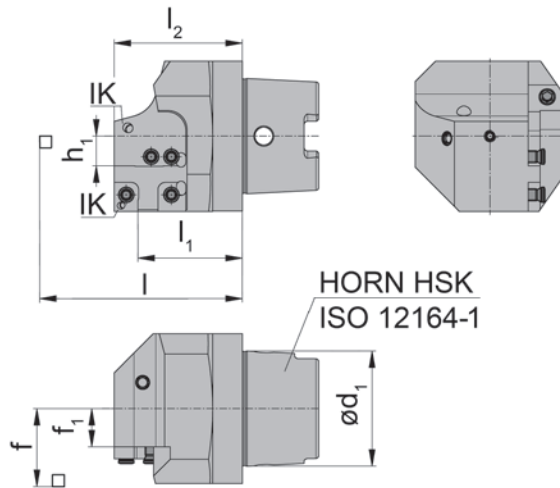
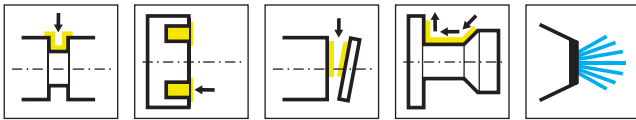
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42-43

# HSK



**HORN HSK**  
**nach ISO 12164**

**HORN HSK**  
**according to ISO 12164**



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $d_1$ | $f_1$ | $l$         | $l_2$ | $f$         | $h_1$ | HWS    |
|------------------------------|-------|-------|-------|-------------|-------|-------------|-------|--------|
| <b>HSK-L220.0063.K1.IK</b>   | 44    | 63    | 16,1  | $l_1 + l_K$ | 54    | $f_1 + f_3$ | 12,5  | 220002 |
| <b>HSK-R220.0063.K1.IK</b>   | 44    | 63    | 16,1  | $l_1 + l_K$ | 54    | $f_1 + f_3$ | 12,5  | 220001 |

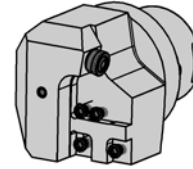
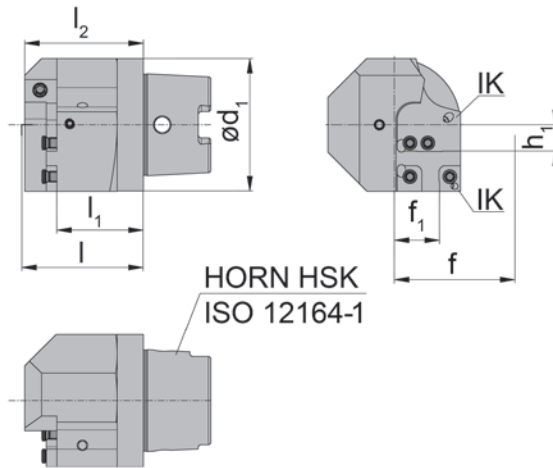
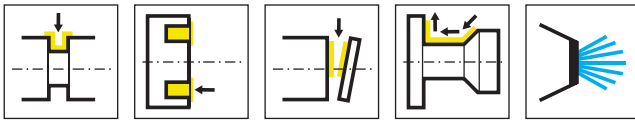
Abmessungen für Dmin, f3 und lK siehe Kassetten  
Dimensions for Dmin, f3 and lK see cassettes

HSK-R/L220...IK Kugelspritzdüse optional  
HSK-R/L220...IK Coolant spray nozzle optional

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | Kugelspritzdüse<br>Coolant spray nozzle | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-----------------------------------------|-------------------------------------------|
| HSK-L220...                     | <b>5.12T20P</b>                 | <b>020.1008.2977</b>                    | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $d_1$ | $f_1$ | $l$         | $l_2$ | $f$         | $h_1$ | HWS    |
|------------------------------|-------|-------|-------|-------------|-------|-------------|-------|--------|
| <b>HSK-L220.0063.K2.IK</b>   | 41,2  | 63    | 21,5  | $l_1 + f_3$ | 56,5  | $f_1 + l_K$ | 12,5  | 220001 |
| <b>HSK-R220.0063.K2.IK</b>   | 41,2  | 63    | 21,5  | $l_1 + f_3$ | 56,5  | $f_1 + l_K$ | 12,5  | 220002 |

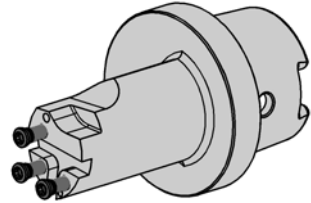
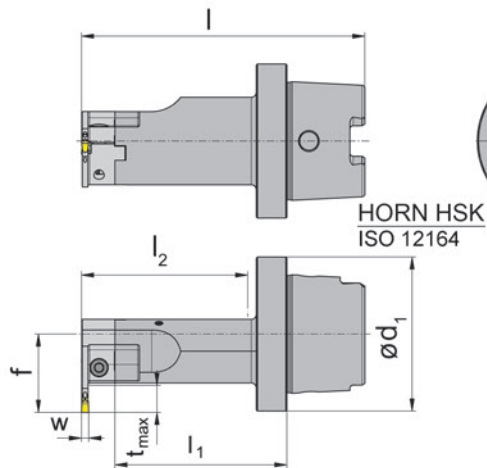
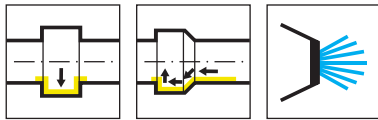
Abmessungen für Dmin, f3 und lK siehe Kassetten  
Dimensions for Dmin, f3 and lK see cassettes

HSK-R/L220...IK Kugelspritzdüse optional  
HSK-R/L220...IK Coolant spray nozzle optional

### Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | Kugelspritzdüse<br>Coolant spray nozzle | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-----------------------------------------|-------------------------------------------|
| HSK-L220...                     | <b>5.12T20P</b>                 | <b>020.1008.2977</b>                    | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number   | f  | d <sub>1</sub> | l                 | l <sub>1</sub> | l <sub>2</sub> | HWS    |
|--------------------------------|----|----------------|-------------------|----------------|----------------|--------|
| <b>HSK.L224.0063.084.K2.IK</b> | 32 | 63             | $l_1 + b_1 + w/2$ | 70,3           | 68             | BK2242 |
| <b>HSK.L224.0063.104.K2.IK</b> | 32 | 63             | $l_1 + b_1 + w/2$ | 90,3           | 104            | BK2242 |
| <b>HSK.R224.0063.084.K2.IK</b> | 32 | 63             | $l_1 + b_1 + w/2$ | 70,3           | 68             | BK2241 |
| <b>HSK.R224.0063.104.K2.IK</b> | 32 | 63             | $l_1 + b_1 + w/2$ | 90,3           | 104            | BK2241 |

w siehe WSP  
w see indexable inserts

Abmessungen für Dmin, tmax siehe Kassetten  
Dimensions for Dmin, tmax see cassettes

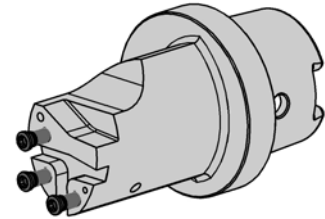
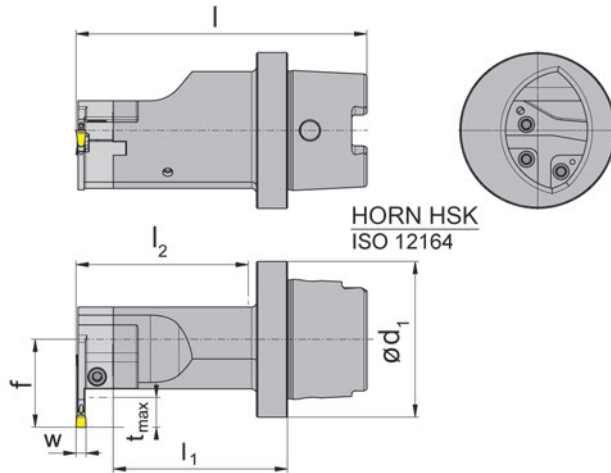
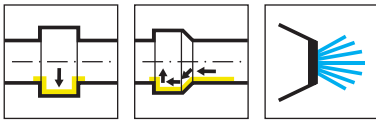
Für Kassetten BK224 **mit** Kühlmittelzufuhr  
For cassettes BK224 with coolant supply

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| HSK...                          | <b>030.0518.T20P</b>            | <b>T20PQ</b>                              |





R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number   | f    | d <sub>1</sub> | l                 | l <sub>1</sub> | l <sub>2</sub> | HWS    |
|--------------------------------|------|----------------|-------------------|----------------|----------------|--------|
| <b>HSK.L229.0063.085.K2.IK</b> | 35,5 | 63             | $l_1 + b_1 + w/2$ | 70,3           | 69             | BK2292 |
| <b>HSK.L229.0063.105.K2.IK</b> | 35,5 | 63             | $l_1 + b_1 + w/2$ | 90,3           | 89             | BK2292 |
| <b>HSK.R229.0063.085.K2.IK</b> | 35,5 | 63             | $l_1 + b_1 + w/2$ | 70,3           | 69             | BK2291 |
| <b>HSK.R229.0063.105.K2.IK</b> | 35,5 | 63             | $l_1 + b_1 + w/2$ | 90,3           | 89             | BK2291 |

w siehe WSP  
w see indexable inserts

Abmessungen für Dmin, tmax siehe Kassetten  
Dimensions for Dmin, tmax see cassettes

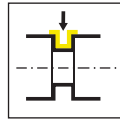
Für Kassetten BK229 **mit** Kühlmittelzufuhr  
For cassettes BK229 with coolant supply

## Ersatzteile

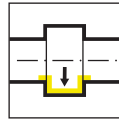
Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| HSK...                          | <b>030.0518.T20P</b>            | <b>T20PQ</b>                              |

Grundhalter  
Basic toolholder  
HSKT63/HSKT100

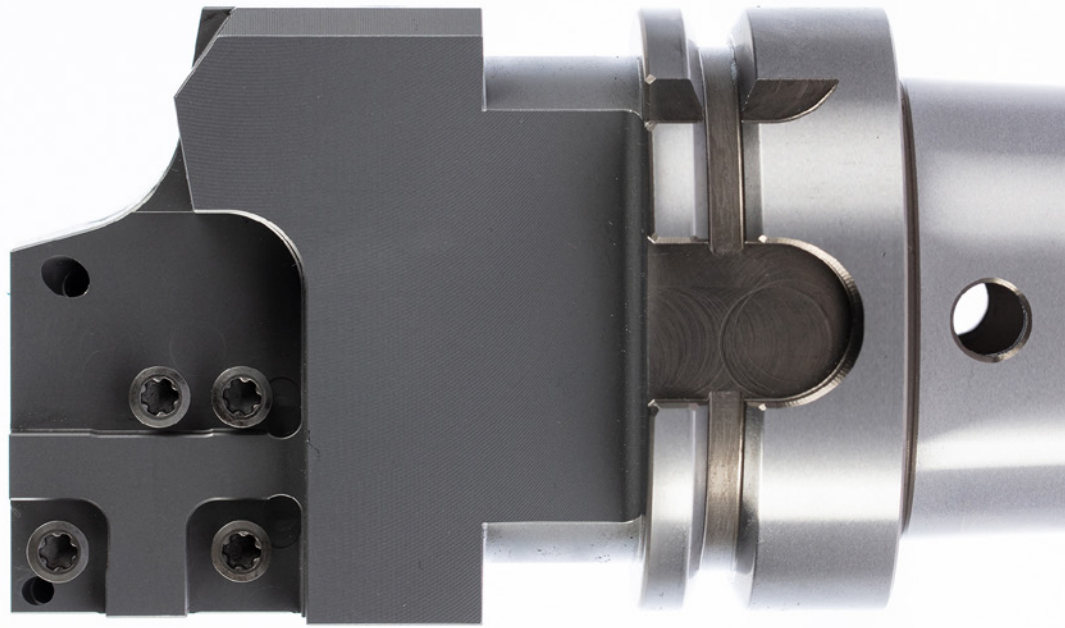


Seite/Page  
46-49, 52-53



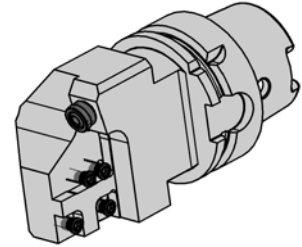
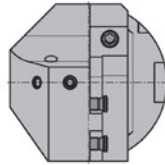
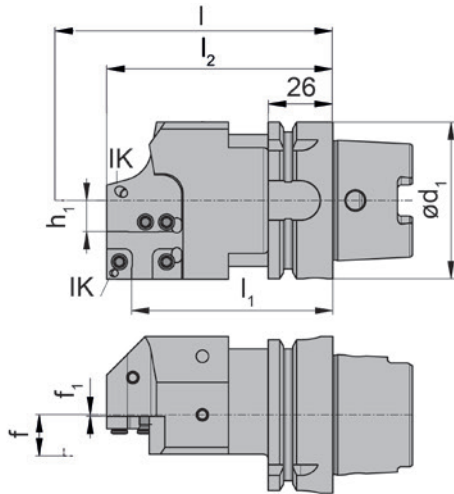
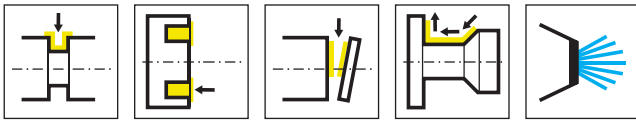
Seite/Page  
50-51

## HSKT63/HSKT100



**HORN HSKT63 und  
HSKT100 nach ISO 12164-3**

**HORN HSKT63 and  
HSKT100 according  
to ISO 12164-3**



R = rechts wie gezeichnet  
 R = right hand version shown

L = Linksausführung  
 L = left hand version

| Bestellnummer<br>Part number | $l_1$ | d  | $f_1$ | l         | $l_2$ | f         | $h_1$ | HWS    |
|------------------------------|-------|----|-------|-----------|-------|-----------|-------|--------|
| HSKT63.L220.110.K1.IK        | 81    | 63 | 0,6   | $l_1+l_K$ | 91    | $f_1+f_3$ | 12,5  | 220002 |
| HSKT63.L220.120.K1.IK        | 91    | 63 | 0,6   | $l_1+l_K$ | 101   | $f_1+f_3$ | 12,5  | 220002 |
| HSKT63.L220.130.K1.IK        | 101   | 63 | 0,6   | $l_1+l_K$ | 111   | $f_1+f_3$ | 12,5  | 220002 |
| HSKT63.L220.150.K1.IK        | 121   | 63 | 0,6   | $l_1+l_K$ | 131   | $f_1+f_3$ | 12,5  | 220002 |
| HSKT63.L220.175.K1.IK        | 146   | 63 | 0,6   | $l_1+l_K$ | 156   | $f_1+f_3$ | 12,5  | 220002 |
| HSKT63.R220.110.K1.IK        | 81    | 63 | 0,6   | $l_1+l_K$ | 91    | $f_1+f_3$ | 12,5  | 220001 |
| HSKT63.R220.120.K1.IK        | 91    | 63 | 0,6   | $l_1+l_K$ | 101   | $f_1+f_3$ | 12,5  | 220001 |
| HSKT63.R220.130.K1.IK        | 101   | 63 | 0,6   | $l_1+l_K$ | 111   | $f_1+f_3$ | 12,5  | 220001 |
| HSKT63.R220.150.K1.IK        | 121   | 63 | 0,6   | $l_1+l_K$ | 131   | $f_1+f_3$ | 12,5  | 220001 |
| HSKT63.R220.175.K1.IK        | 146   | 63 | 0,6   | $l_1+l_K$ | 156   | $f_1+f_3$ | 12,5  | 220001 |

IK und f3 siehe Kassetten  
 IK and f3 see cassettes

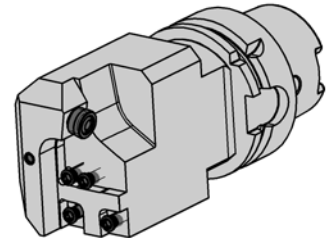
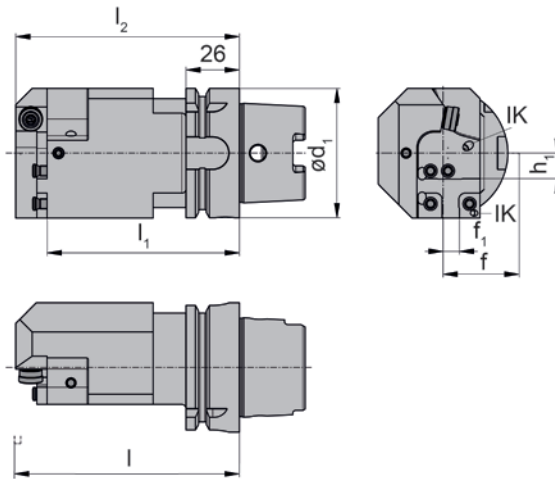
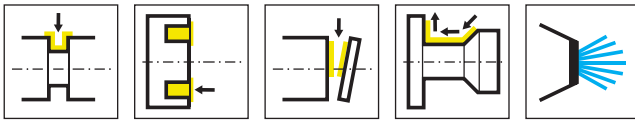
zum Einsatz auf Multi-Tasking Maschinen  
 for using on multi-tasking machines

HSKT63.R/L220...IK Kugelspritzdüse optional  
 HSKT63.R/L220...IK Coolant spray nozzle optional

### Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | Kugelspritzdüse<br>Coolant spray nozzle | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-----------------------------------------|-------------------------------------------|
| HSKT63...                       | 5.12T20P                        | 020.1008.2977                           | T20PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | d  | $f_1$ | l           | $l_2$ | f           | $h_1$ | HWS    |
|------------------------------|-------|----|-------|-------------|-------|-------------|-------|--------|
| <b>HSKT63.L220.110.K2.IK</b> | 93,6  | 63 | 8     | $l_1 + l_K$ | 108,8 | $f_1 + l_K$ | 12,5  | 220001 |
| <b>HSKT63.L220.130.K2.IK</b> | 101   | 63 | 8     | $l_1 + l_K$ | 111   | $f_1 + l_K$ | 12,5  | 220001 |
| <b>HSKT63.L220.150.K2.IK</b> | 133,6 | 63 | 8     | $l_1 + l_K$ | 148,8 | $f_1 + l_K$ | 12,5  | 220001 |
| <b>HSKT63.L220.175.K2.IK</b> | 158,6 | 63 | 8     | $l_1 + l_K$ | 117,8 | $f_1 + l_K$ | 12,5  | 220001 |
| <b>HSKT63.R220.110.K2.IK</b> | 93,6  | 63 | 8     | $l_1 + l_K$ | 108,8 | $f_1 + l_K$ | 12,5  | 220002 |
| <b>HSKT63.R220.130.K2.IK</b> | 113,6 | 63 | 8     | $l_1 + l_K$ | 111   | $f_1 + l_K$ | 12,5  | 220002 |
| <b>HSKT63.R220.150.K2.IK</b> | 133,6 | 63 | 8     | $l_1 + l_K$ | 148,8 | $f_1 + l_K$ | 12,5  | 220002 |
| <b>HSKT63.R220.175.K2.IK</b> | 158,6 | 63 | 8     | $l_1 + l_K$ | 173,8 | $f_1 + l_K$ | 12,5  | 220002 |

IK und f3 siehe Kassetten  
IK and f3 see cassettes

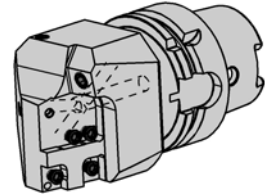
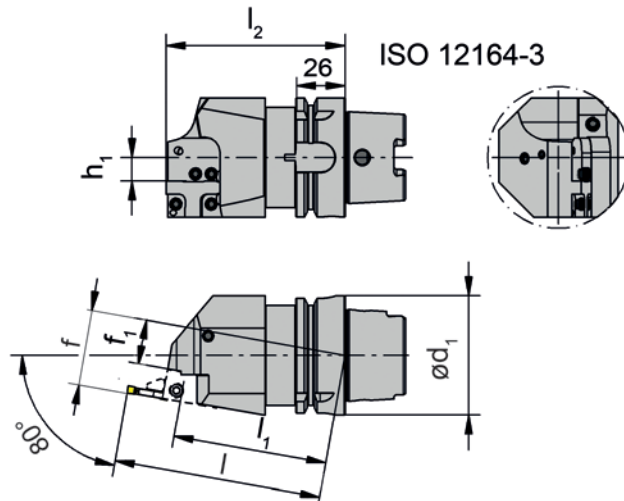
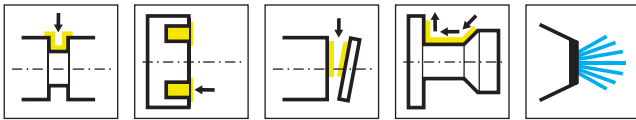
zum Einsatz auf Multi-Tasking Maschinen  
for using on multi-tasking machines

HSKT63.R/L220...IK Kugelspritzdüse optional  
HSKT63.R/L220...IK Coolant spray nozzle optional

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | Kugelspritzdüse<br>Coolant spray nozzle | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-----------------------------------------|-------------------------------------------|
| HSKT63...                       | <b>5.12T20P</b>                 | <b>020.1008.2977</b>                    | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
 R = right hand version shown

L = Linksausführung  
 L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $d_1$ | $f_1$ | $l$       | $l_2$ | $f$       | $h_1$ | HWS    |
|------------------------------|-------|-------|-------|-----------|-------|-----------|-------|--------|
| HSKT63.L220.110.K3.IK        | 81    | 63    | 23,4  | $l_1+l_K$ | 94,5  | $f_1+f_3$ | 12,5  | 220002 |
| HSKT63.L220.120.K3.IK        | 91    | 63    | 25    | $l_1+l_K$ | 104,7 | $f_1+f_3$ | 12,5  | 220002 |
| HSKT63.L220.130.K3.IK        | 101   | 63    | 26,8  | $l_1+l_K$ | 114,8 | $f_1+f_3$ | 12,5  | 220002 |
| HSKT63.L220.150.K3.IK        | 121   | 63    | 30,3  | $l_1+l_K$ | 135,1 | $f_1+f_3$ | 12,5  | 220002 |
| HSKT63.L220.175.K3.IK        | 146   | 63    | 34,7  | $l_1+l_K$ | 160,5 | $f_1+f_3$ | 12,5  | 220002 |
| HSKT63.R220.110.K3.IK        | 81    | 63    | 23,4  | $l_1+l_K$ | 94,5  | $f_1+f_3$ | 12,5  | 220001 |
| HSKT63.R220.120.K3.IK        | 91    | 63    | 25    | $l_1+l_K$ | 104,7 | $f_1+f_3$ | 12,5  | 220001 |
| HSKT63.R220.130.K3.IK        | 101   | 63    | 26,8  | $l_1+l_K$ | 114,8 | $f_1+f_3$ | 12,5  | 220001 |
| HSKT63.R220.150.K3.IK        | 121   | 63    | 30,3  | $l_1+l_K$ | 135,1 | $f_1+f_3$ | 12,5  | 220001 |
| HSKT63.R220.175.K3.IK        | 146   | 63    | 34,7  | $l_1+l_K$ | 160,5 | $f_1+f_3$ | 12,5  | 220001 |

$l_K$  und  $f_3$  siehe Kassetten  
 $l_K$  and  $f_3$  see cassettes

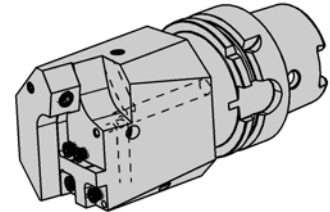
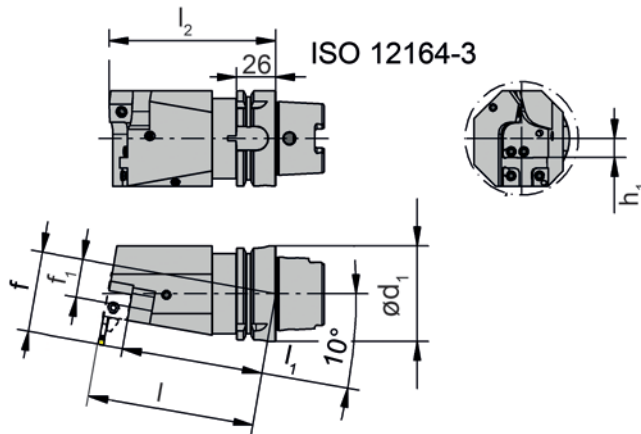
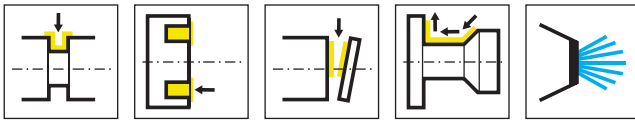
zum Einsatz auf Multi-Tasking Maschinen  
 for using on multi-tasking machines

HSKT63.R/L220...IK Kugelspritzdüse optional  
 HSKT63.R/L220...IK Coolant spray nozzle optional

### Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| HSKT63...                       | 5.12T20P                        | T20PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $d_1$ | $f_1$ | $l$         | $l_2$ | $f$         | $h_1$ | HWS    |
|------------------------------|-------|-------|-------|-------------|-------|-------------|-------|--------|
| <b>HSKT63.L220.110.K4.IK</b> | 93,4  | 63    | 23,8  | $l_1 + l_K$ | 110,1 | $f_1 + f_3$ | 12,5  | 220001 |
| <b>HSKT63.L220.130.K4.IK</b> | 113,6 | 63    | 27,4  | $l_1 + l_K$ | 130,4 | $f_1 + f_3$ | 12,5  | 220001 |
| <b>HSKT63.L220.150.K4.IK</b> | 133,6 | 63    | 30,9  | $l_1 + l_K$ | 150   | $f_1 + f_3$ | 12,5  | 220001 |
| <b>HSKT63.L220.175.K4.IK</b> | 158,6 | 63    | 35,3  | $l_1 + l_K$ | 176,1 | $f_1 + f_3$ | 12,5  | 220001 |
| <b>HSKT63.R220.110.K4.IK</b> | 93,4  | 63    | 24,2  | $l_1 + l_K$ | 110,1 | $f_1 + f_3$ | 12,5  | 220002 |
| <b>HSKT63.R220.130.K4.IK</b> | 113,6 | 63    | 27,8  | $l_1 + l_K$ | 130,4 | $f_1 + f_3$ | 12,5  | 220002 |
| <b>HSKT63.R220.150.K4.IK</b> | 133,6 | 63    | 31,3  | $l_1 + l_K$ | 150   | $f_1 + f_3$ | 12,5  | 220002 |
| <b>HSKT63.R220.175.K4.IK</b> | 158,6 | 63    | 35,7  | $l_1 + l_K$ | 176,1 | $f_1 + f_3$ | 12,5  | 220002 |

IK und f3 siehe Kassetten  
IK and f3 see cassettes

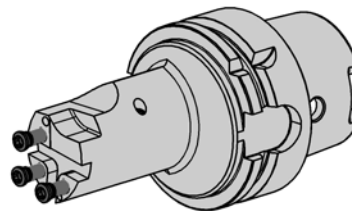
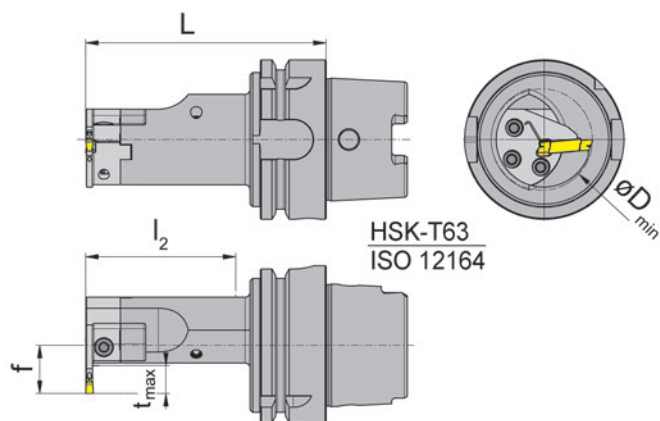
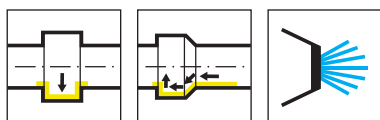
zum Einsatz auf Multi-Tasking Maschinen  
for using on multi-tasking machines

HSKT63.R/L220...IK Kugelspritzdüse optional  
HSKT63.R/L220...IK Coolant spray nozzle optional

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| HSKT63...                       | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | f  | L   | t <sub>max</sub> | D <sub>min</sub> | l <sub>2</sub> | HWS    |
|------------------------------|----|-----|------------------|------------------|----------------|--------|
| HSKT63.LB224.095.K2.IK       | 19 | 95  | 11               | 39               | 60             | BK2242 |
| HSKT63.LB224.115.K2.IK       | 19 | 115 | 11               | 39               | 80             | BK2242 |
| HSKT63.RB224.095.K2.IK       | 19 | 95  | 11               | 39               | 60             | BK2241 |
| HSKT63.RB224.115.K2.IK       | 19 | 115 | 11               | 39               | 80             | BK2241 |

zum Einsatz auf Multi-Tasking Maschinen  
for using on multi-tasking machines

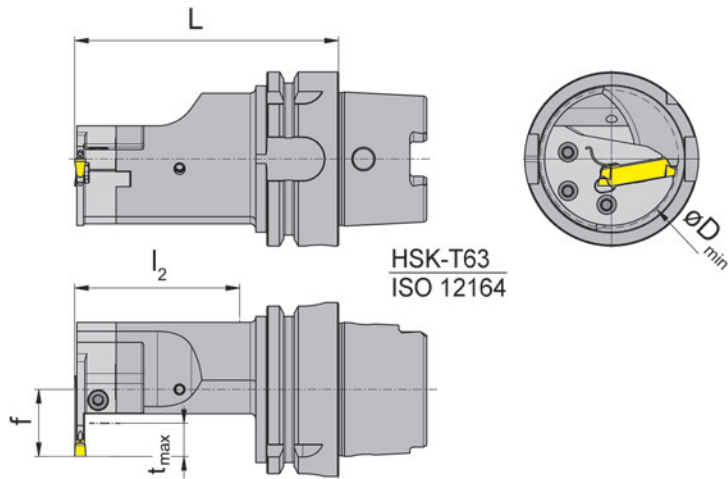
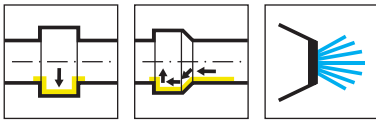
Für Kassetten BK224 **mit** Kühlmittelzufuhr  
For cassettes BK224 without coolant supply

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| HSKT63...                       | 030.0518.T20P                   | T20PQ                                     |





R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number  | f    | L   | t <sub>max</sub> | D <sub>min</sub> | l <sub>2</sub> | HWS    |
|-------------------------------|------|-----|------------------|------------------|----------------|--------|
| <b>HSKT63.LB229.095.K2.IK</b> | 24,2 | 95  | 12               | 50               | 60             | BK2292 |
| <b>HSKT63.LB229.115.K2.IK</b> | 24,2 | 115 | 12               | 50               | 80             | BK2292 |
| <b>HSKT63.RB229.095.K2.IK</b> | 24,2 | 95  | 12               | 50               | 60             | BK2291 |
| <b>HSKT63.RB229.115.K2.IK</b> | 24,2 | 115 | 12               | 50               | 80             | BK2291 |

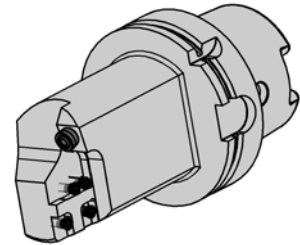
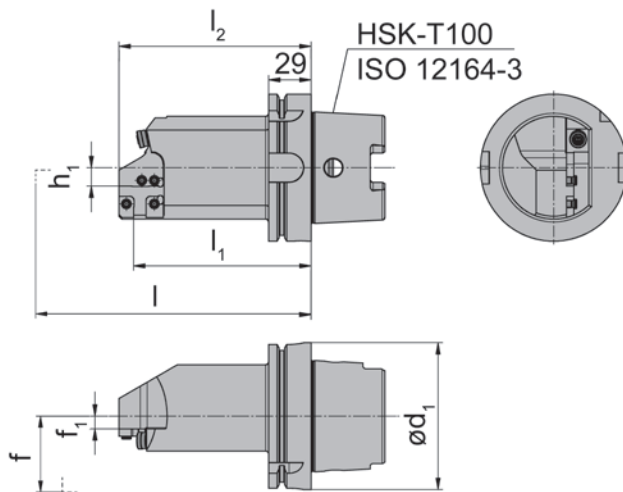
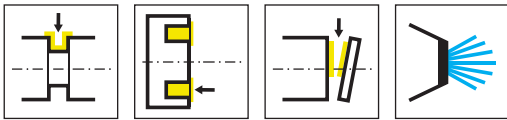
zum Einsatz auf Multi-Tasking Maschinen  
for using on multi-tasking machines

Für Kassetten BK229 **ohne** Kühlmittelzufuhr  
For cassettes BK229 without coolant supply

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| HSKT63...                       | <b>030.0518.T20P</b>            | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number  | $l_1$ | $d_1$ | $f_1$ | $l$         | $l_2$ | $f$         | $h_1$ | HWS    |
|-------------------------------|-------|-------|-------|-------------|-------|-------------|-------|--------|
| <b>HSKT100.L220.150.K1.IK</b> | 121   | 100   | 8,6   | $l_1 + l_K$ | 131   | $f_1 + f_3$ | 12,5  | 220002 |
| <b>HSKT100.R220.150.K1.IK</b> | 121   | 100   | 8,6   | $l_1 + l_K$ | 131   | $f_1 + f_3$ | 12,5  | 220001 |

IK und f3 siehe Kassetten  
IK and f3 see cassettes

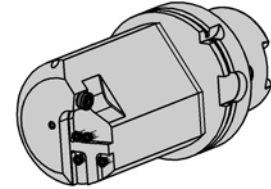
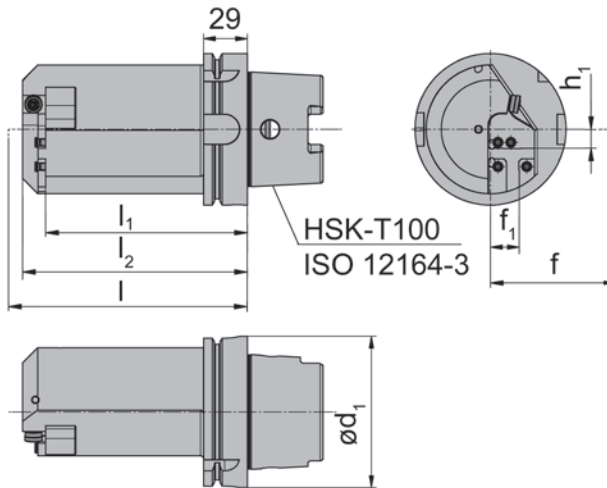
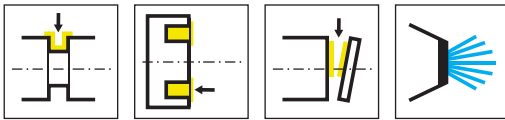
zum Einsatz auf Multi-Tasking Maschinen  
for using on multi-tasking machines

HSKT100.R/L220...IK Kugelspritzdüse optional  
HSKT100.R/L220...IK Coolant spray nozzle optional

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| HSKT100...                      | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number  | $l_1$ | $d_1$ | $f_1$ | $l$         | $l_2$ | $f$         | $h_1$ | HWS    |
|-------------------------------|-------|-------|-------|-------------|-------|-------------|-------|--------|
| <b>HSKT100.L220.150.K2.IK</b> | 133,6 | 100   | 19    | $f_1 + l_K$ | 148,8 | $l_1 + f_3$ | 12,5  | 220001 |
| <b>HSKT100.R220.150.K2.IK</b> | 133,6 | 100   | 19    | $f_1 + l_K$ | 148,8 | $l_1 + f_3$ | 12,5  | 220002 |

IK und f3 siehe Kassetten  
IK and f3 see cassettes

zum Einsatz auf Multi-Tasking Maschinen  
for using on multi-tasking machines

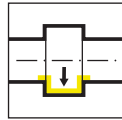
HSKT100.R/L220...IK Kugelspritzdüse optional  
HSKT100.R/L220...IK Coolant spray nozzle optional

## Ersatzteile

Spare Parts

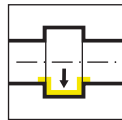
| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| HSKT100...                      | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |

Grundhalter  
Basic toolholder  
B223/B224/B229



Seite/Page  
56, 58, 60

Kassette  
Cassette  
BK223/BK224/BK229



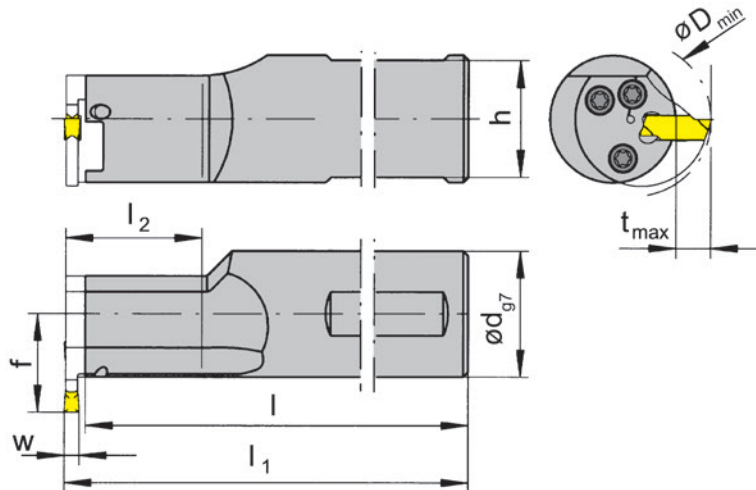
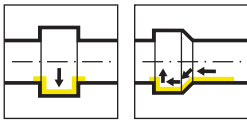
Seite/Page  
57, 59, 61

**BK**



**Kassetten für die  
Innenbearbeitung**

**Cassettes for internal  
machining**



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | $l_1$       | d  | l     | $l_2$ | h  | f    | HWS    |
|------------------------------|-------------|----|-------|-------|----|------|--------|
| <b>RB223.0025.1.K2</b>       | $l+b_1+w/2$ | 25 | 116,1 | 30    | 23 | 19,5 | BK2231 |
| <b>RB223.0025.2.K2</b>       | $l+b_1+w/2$ | 25 | 146,1 | 60    | 23 | 19,5 | BK2231 |
| <b>RB223.0032.1.K2</b>       | $l+b_1+w/2$ | 32 | 146,1 | 30    | 30 | 23   | BK2231 |
| <b>RB223.0032.2.K2</b>       | $l+b_1+w/2$ | 32 | 176,1 | 60    | 30 | 23   | BK2231 |
| <b>LB223.0025.1.K2</b>       | $l+b_1+w/2$ | 25 | 116,1 | 30    | 23 | 19,5 | BK2232 |
| <b>LB223.0025.2.K2</b>       | $l+b_1+w/2$ | 25 | 146,1 | 60    | 23 | 19,5 | BK2232 |
| <b>LB223.0032.1.K2</b>       | $l+b_1+w/2$ | 32 | 146,1 | 30    | 30 | 23   | BK2232 |
| <b>LB223.0032.2.K2</b>       | $l+b_1+w/2$ | 32 | 176,1 | 60    | 30 | 23   | BK2232 |

w siehe WSP  
w see indexable inserts

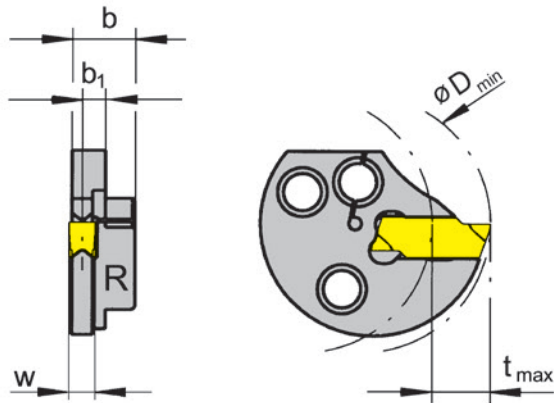
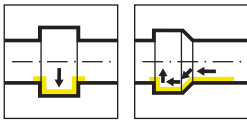
Abmessungen für Dmin, tmax und b1 siehe Kassetten  
Dimensions for Dmin, tmax and b1 see cassettes

Für Kassetten BK223 **ohne** Kühlmittelzufuhr  
For cassettes BK223 without coolant supply

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| R/LB223...                      | <b>4.09T15P</b>                 | <b>T15PL</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

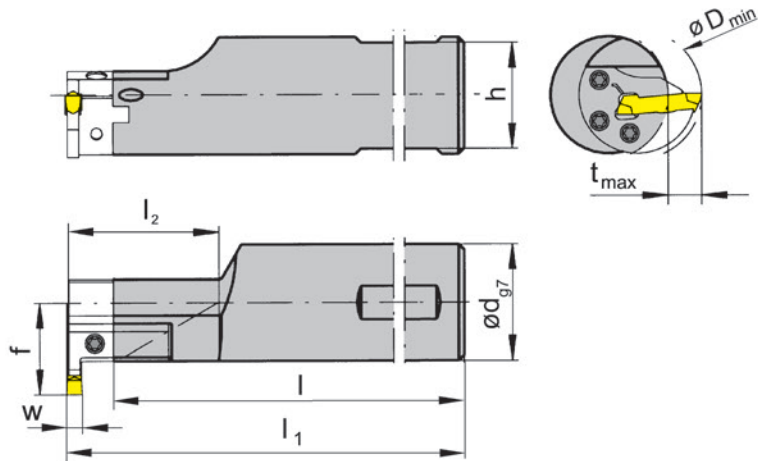
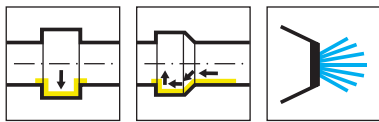
L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | D <sub>min</sub> | t <sub>max</sub> | b   | b <sub>1</sub> | Spannbereich<br>Clamping range | HWS   | HMS    |
|------------------------------|------------------|------------------|-----|----------------|--------------------------------|-------|--------|
| <b>RBK223.0028.01</b>        | 28               | 6,3              | 7,4 | 3,1            | 2,0-2,0                        | 22301 | BK2231 |
| <b>RBK223.0028.02</b>        | 28               | 6,3              | 7,4 | 2,95           | 2,5-2,5                        | 22302 | BK2231 |
| <b>RBK223.0028.03</b>        | 28               | 6,3              | 7,4 | 2,7            | 3,0-3,0                        | 22303 | BK2231 |
| <b>LBK223.0028.01</b>        | 28               | 6,3              | 7,4 | 3,1            | 2,0-2,0                        | 22301 | BK2232 |
| <b>LBK223.0028.02</b>        | 28               | 6,3              | 7,4 | 2,95           | 2,5-2,5                        | 22302 | BK2232 |
| <b>LBK223.0028.03</b>        | 28               | 6,3              | 7,4 | 2,7            | 3,0-3,0                        | 22303 | BK2232 |

w siehe WSP  
w see indexable inserts

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

Für Grundhalter B223 **ohne** Kühlmittelzufuhr  
For basic toolholder B223 without coolant supply



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | $l_1$       | d  | l     | $l_2$ | h  | f  | HWS    |
|------------------------------|-------------|----|-------|-------|----|----|--------|
| RB224.0032.1.K2.IK           | $l+b_1+w/2$ | 32 | 136,6 | 30    | 30 | 28 | BK2241 |
| RB224.0032.2.K2.IK           | $l+b_1+w/2$ | 32 | 166,3 | 60    | 30 | 28 | BK2241 |
| RB224.0040.1.K2.IK           | $l+b_1+w/2$ | 40 | 136,3 | 30    | 38 | 32 | BK2241 |
| RB224.0040.2.K2.IK           | $l+b_1+w/2$ | 40 | 166,3 | 60    | 38 | 32 | BK2241 |
| RB224.0040.3.K2.IK           | $l+b_1+w/2$ | 40 | 216,3 | 90    | 38 | 32 | BK2241 |
| LB224.0032.1.K2.IK           | $l+b_1+w/2$ | 32 | 136,6 | 30    | 30 | 28 | BK2242 |
| LB224.0032.2.K2.IK           | $l+b_1+w/2$ | 32 | 166,3 | 60    | 30 | 28 | BK2242 |
| LB224.0040.1.K2.IK           | $l+b_1+w/2$ | 40 | 136,3 | 30    | 38 | 32 | BK2242 |
| LB224.0040.2.K2.IK           | $l+b_1+w/2$ | 40 | 166,3 | 60    | 38 | 32 | BK2242 |
| LB224.0040.3.K2.IK           | $l+b_1+w/2$ | 40 | 216,3 | 90    | 38 | 32 | BK2242 |

w siehe WSP  
w see indexable inserts

Abmessungen für  $D_{min}$ ,  $t_{max}$  und  $b_1$  siehe Kassetten  
Dimensions for  $D_{min}$ ,  $t_{max}$  and  $b_1$  see cassettes

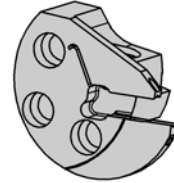
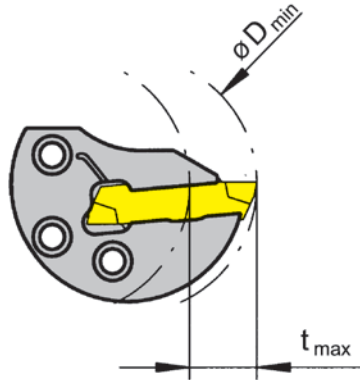
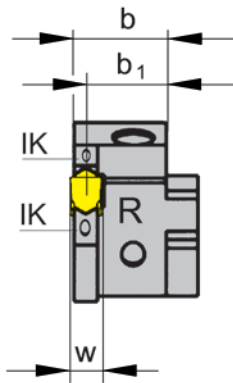
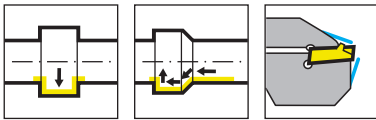
Für Kassetten BK224 mit Kühlmittelzufuhr  
For cassettes BK224 with coolant supply

## Ersatzteile

Spare Parts

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





R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $D_{min}$ | $t_{max}$ | b     | $b_1$ | w   | Spannbereich<br>Clamping range | HWS    | HMS    |
|------------------------------|-----------|-----------|-------|-------|-----|--------------------------------|--------|--------|
| RBK224.0040.01.IK            | 40        | 11        | 13,5  | 12,7  | 2   | 2,0-2,4                        | 224018 | BK2241 |
| RBK224.0040.02.IK            | 40        | 11        | 13,45 | 12,45 | 2,5 | 2,4-2,8                        | 224028 | BK2241 |
| RBK224.0040.03.IK            | 40        | 11        | 13,4  | 12,2  | 3   | 2,8-3,7                        | 224038 | BK2241 |
| RBK224.0040.04.IK            | 40        | 11        | 13,35 | 11,7  | 4   | 3,7-4,4                        | 224048 | BK2241 |
| RBK224.0040.05.IK            | 40        | 11        | 13,2  | 11,2  | 5   | 4,4-5,1                        | 224058 | BK2241 |
| RBK224.0040.06.IK            | 40        | 11        | 13,05 | 10,7  | 6   | 5,1-6,1                        | 224068 | BK2241 |
| LBK224.0040.01.IK            | 40        | 11        | 13,5  | 12,7  | 2   | 2,0-2,4                        | 224018 | BK2242 |
| LBK224.0040.02.IK            | 40        | 11        | 13,45 | 12,45 | 2,5 | 2,4-2,8                        | 224028 | BK2242 |
| LBK224.0040.03.IK            | 40        | 11        | 13,4  | 12,2  | 3   | 2,8-3,7                        | 224038 | BK2242 |
| LBK224.0040.04.IK            | 40        | 11        | 13,35 | 11,7  | 4   | 3,7-4,4                        | 224048 | BK2242 |
| LBK224.0040.05.IK            | 40        | 11        | 13,2  | 11,2  | 5   | 4,4-5,1                        | 224058 | BK2242 |
| LBK224.0040.06.IK            | 40        | 11        | 13,05 | 10,7  | 6   | 5,1-6,1                        | 224068 | BK2242 |

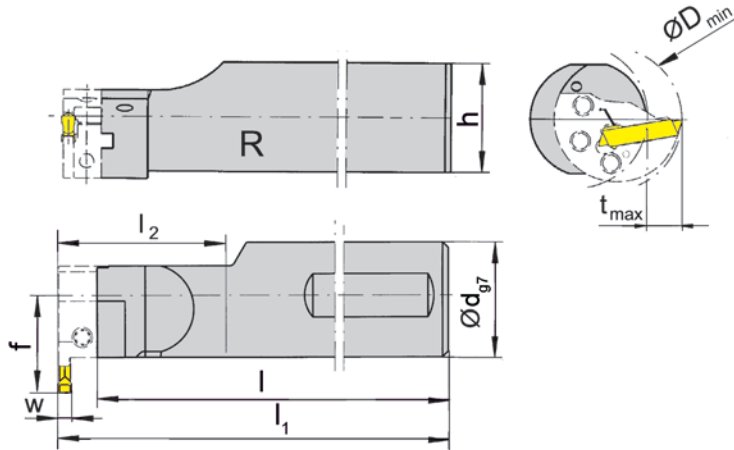
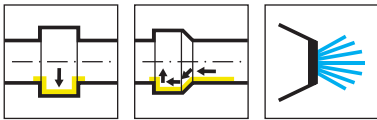
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.  
The fastening screw is combined with the basic toolholder - no separate order required.

Für Grundhalter B224 mit Kühlmittelzufuhr  
For basic toolholder B224 with coolant supply

## Ersatzteile

### Spare Parts

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



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | d  | l     | l <sub>2</sub> | h  | f    | HWS    |
|------------------------------|----|-------|----------------|----|------|--------|
| RB229.0040.1.K2.IK           | 40 | 172,5 | 30             | 38 | 35,5 | BK2291 |
| RB229.0040.2.K2.IK           | 40 | 185,5 | 60             | 38 | 35,5 | BK2291 |
| RB229.0040.3.K2.IK           | 40 | 215,5 | 90             | 38 | 35,5 | BK2291 |
| LB229.0040.1.K2.IK           | 40 | 172,5 | 30             | 38 | 35,5 | BK2292 |
| LB229.0040.2.K2.IK           | 40 | 185,5 | 60             | 38 | 35,5 | BK2292 |
| LB229.0040.3.K2.IK           | 40 | 215,5 | 90             | 38 | 35,5 | BK2292 |

w siehe WSP  
w see indexable inserts

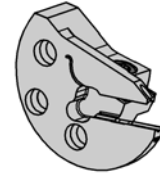
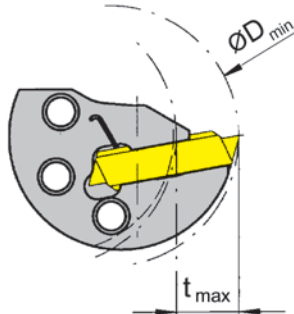
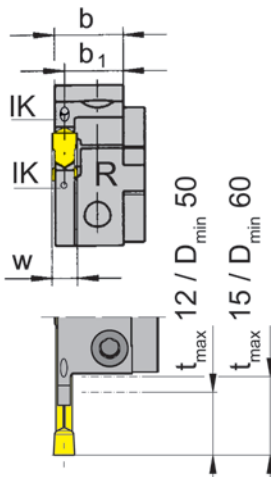
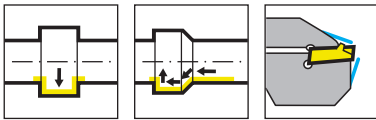
Abmessungen für Dmin, tmax und b1 siehe Kassetten  
Dimensions for Dmin, tmax and b1 see cassettes

Für Kassetten BK229 **mit** Kühlmittelzufuhr  
For cassettes BK229 with coolant supply

## Ersatzteile

Spare Parts

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



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | b     | b <sub>1</sub> | Spannbereich<br>Clamping range | HWS             | HMS    |
|------------------------------|-------|----------------|--------------------------------|-----------------|--------|
| <b>RBK229.0050.03.IK</b>     | 14,2  | 13             | 3,00-4,00                      | 229030          | BK2291 |
| <b>RBK229.0050.04.IK</b>     | 14,15 | 12,5           | 4,00-5,09                      | 229040          | BK2291 |
| <b>RBK229.0050.05.IK</b>     | 13,8  | 11,5           | 5,10-6,00                      | 229050 • 229051 | BK2292 |
| <b>LBK229.0050.03.IK</b>     | 14,2  | 13             | 3,00-4,00                      | 229030          | BK2292 |
| <b>LBK229.0050.04.IK</b>     | 14,15 | 12,5           | 4,00-5,09                      | 229040          | BK2292 |
| <b>LBK229.0050.05.IK</b>     | 13,8  | 11,5           | 5,10-6,00                      | 229050 • 229051 | BK2292 |

w siehe WSP  
w see indexable inserts

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

Für Grundhalter B229 mit Kühlmittelzufuhr  
For basic toolholder B229 with coolant supply

## Ersatzteile

Spare Parts

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

Kassette

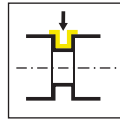
Cassette

NK100/NK224/NK220/

NK274/NK34T/NK360/

NK368/NK356/NK316

NK64T



Seite/Page

64-74

**NK**

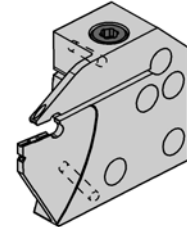
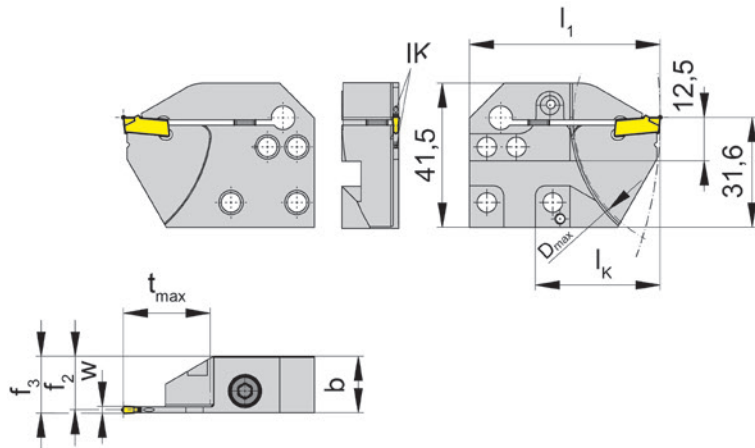
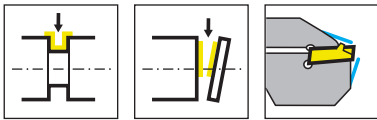


**Kassetten für die  
Außenbearbeitung**

|       |       |
|-------|-------|
| NK100 | NK360 |
| NK224 | NK368 |
| NK220 | NK356 |
| NK274 | NK316 |
| NK34T | NK64T |

**Cassettes for  
external machining**

|       |       |
|-------|-------|
| NK100 | NK360 |
| NK224 | NK368 |
| NK220 | NK356 |
| NK274 | NK316 |
| NK34T | NK64T |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b     | f <sub>2</sub> | f <sub>3</sub>      | w   | D <sub>max</sub> | l <sub>1</sub> | l <sub>k</sub> | HWS    | HMS    |
|------------------------------|------------------|-------|----------------|---------------------|-----|------------------|----------------|----------------|--------|--------|
| <b>RNK100.3215.4.21.IK</b>   | 25               | 16,25 | 15,4           | f <sub>2</sub> +w/2 | 2   | 80               | 55             | 36             | 100018 | 220001 |
| <b>RNK100.3215.4.22.IK</b>   | 25               | 16,2  | 15,15          | f <sub>2</sub> +w/2 | 2,5 | 80               | 55             | 36             | 100028 | 220001 |
| <b>RNK100.3215.4.23.IK</b>   | 25               | 16,25 | 14,9           | f <sub>2</sub> +w/2 | 3   | 80               | 55             | 36             | 100038 | 220001 |
| <b>RNK100.3215.4.24.IK</b>   | 25               | 16,1  | 14,4           | f <sub>2</sub> +w/2 | 4   | 80               | 55             | 36             | 100048 | 220001 |
| <b>LNK100.3215.4.21.IK</b>   | 25               | 16,25 | 15,4           | f <sub>2</sub> +w/2 | 2   | 80               | 55             | 36             | 100018 | 220002 |
| <b>LNK100.3215.4.22.IK</b>   | 25               | 16,2  | 15,15          | f <sub>2</sub> +w/2 | 2,5 | 80               | 55             | 36             | 100028 | 220002 |
| <b>LNK100.3215.4.23.IK</b>   | 25               | 16,25 | 14,9           | f <sub>2</sub> +w/2 | 3   | 80               | 55             | 36             | 100038 | 220002 |
| <b>LNK100.3215.4.24.IK</b>   | 25               | 16,1  | 14,4           | f <sub>2</sub> +w/2 | 4   | 80               | 55             | 36             | 100048 | 220002 |

zum Einsatz auf Multi-Tasking Maschinen  
for using on multi-tasking machines

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

### Kühlmittelaustritt:

Durch Spannfinger und Unterstützung

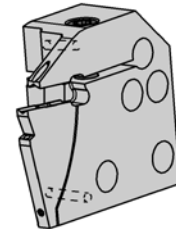
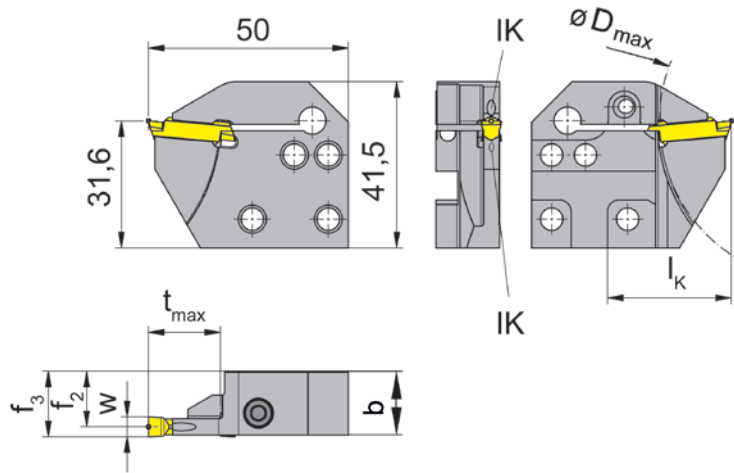
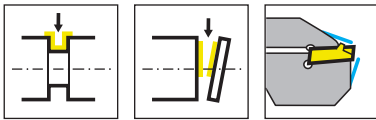
### Coolant outlet:

Through clamping finger and insert support

### Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK100...          | <b>6.23T25P</b>                 | <b>T25PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b     | f <sub>2</sub> | f <sub>3</sub>      | w   | D <sub>max</sub> | l <sub>k</sub> | HWS    | HMS    |
|------------------------------|------------------|-------|----------------|---------------------|-----|------------------|----------------|--------|--------|
| RNK224.3215.2.01.IK          | 18               | 16,1  | 15,4           | f <sub>2</sub> +w/2 | 2   | 80               | 31             | 224018 | 220001 |
| RNK224.3215.2.02.IK          | 18               | 16,15 | 15,15          | f <sub>2</sub> +w/2 | 2,5 | 80               | 31             | 224028 | 220001 |
| RNK224.3215.4.03.IK          | 18               | 16,15 | 14,9           | f <sub>2</sub> +w/2 | 3   | 80               | 31             | 224038 | 220001 |
| RNK224.3215.4.04.IK          | 18               | 16,05 | 14,4           | f <sub>2</sub> +w/2 | 4   | 80               | 31             | 224048 | 220001 |
| RNK224.3215.4.05.IK          | 18               | 15,95 | 13,9           | f <sub>2</sub> +w/2 | 5   | 80               | 31             | 224058 | 220001 |
| RNK224.3215.4.06.IK          | 18               | 15,8  | 13,4           | f <sub>2</sub> +w/2 | 6   | 80               | 31             | 224068 | 220001 |
| LNK224.3215.2.01.IK          | 18               | 16,1  | 15,4           | f <sub>2</sub> +w/2 | 2   | 80               | 31             | 224018 | 220002 |
| LNK224.3215.2.02.IK          | 18               | 16,15 | 15,15          | f <sub>2</sub> +w/2 | 2,5 | 80               | 31             | 224028 | 220002 |
| LNK224.3215.4.03.IK          | 18               | 16,15 | 14,9           | f <sub>2</sub> +w/2 | 3   | 80               | 31             | 224038 | 220002 |
| LNK224.3215.4.04.IK          | 18               | 16,05 | 14,4           | f <sub>2</sub> +w/2 | 4   | 80               | 31             | 224048 | 220002 |
| LNK224.3215.4.05.IK          | 18               | 15,95 | 13,9           | f <sub>2</sub> +w/2 | 5   | 80               | 31             | 224058 | 220002 |
| LNK224.3215.4.06.IK          | 18               | 15,8  | 13,4           | f <sub>2</sub> +w/2 | 6   | 80               | 31             | 224068 | 220002 |

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

#### Kühlmittelaustritt:

.2. = Durch Unterstützung

.4. = Durch Spannfinger und Unterstützung

#### Coolant outlet:

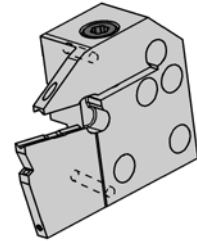
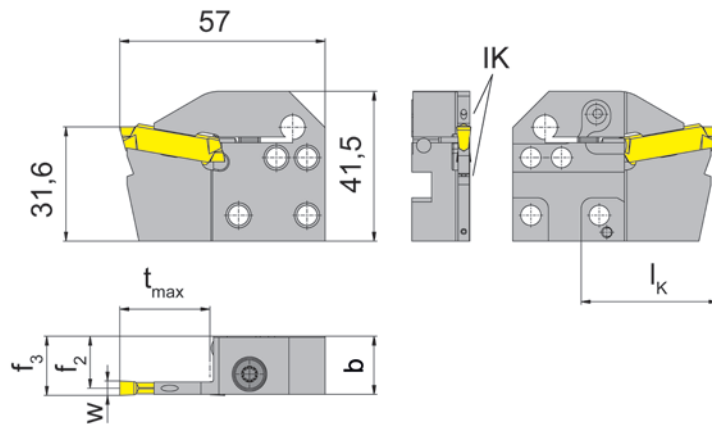
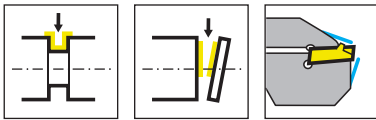
.2. = Through insert support

.4. = Through clamping finger and insert support

#### Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK224...          | 5.13T20P                        | T20PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b     | f <sub>2</sub> | f <sub>3</sub>      | w | D <sub>max</sub> | l <sub>1</sub> | l <sub>k</sub> | HWS             | HMS    |
|------------------------------|------------------|-------|----------------|---------------------|---|------------------|----------------|----------------|-----------------|--------|
| RNK220.3215.4.03.IK          | 25               | 16,2  | 14,9           | f <sub>2</sub> +w/2 | 3 | -                | 57             | 38             | 229030          | 220001 |
| RNK220.3215.4.04.IK          | 25               | 16,1  | 14,4           | f <sub>2</sub> +w/2 | 4 | -                | 57             | 38             | 229040          | 220001 |
| RNK220.3215.4.05.IK          | 25               | 15,95 | 13,9           | f <sub>2</sub> +w/2 | 5 | -                | 57             | 38             | 229050 • 229051 | 220001 |
| RNK220.3215.4.06.IK          | 25               | 15,85 | 13,4           | f <sub>2</sub> +w/2 | 6 | -                | 57             | 38             | 229060 • 229061 | 220001 |
| RNK220.3218.4.13.IK          | 15               | 18,4  | 17,1           | f <sub>2</sub> +w/2 | 3 | 180              | 51             | 32             | 229030          | 220001 |
| RNK220.3218.4.14.IK          | 15               | 18,3  | 16,6           | f <sub>2</sub> +w/2 | 4 | 180              | 51             | 32             | 229040          | 220001 |
| RNK220.3218.4.15.IK          | 15               | 18,15 | 16,1           | f <sub>2</sub> +w/2 | 5 | 180              | 51             | 32             | 229050 • 229051 | 220001 |
| RNK220.3218.4.16.IK          | 15               | 18,05 | 15,6           | f <sub>2</sub> +w/2 | 6 | 180              | 51             | 32             | 229060 • 229061 | 220001 |
| LNK220.3215.4.03.IK          | 25               | 16,2  | 14,9           | f <sub>2</sub> +w/2 | 3 | -                | 57             | 38             | 229030          | 220002 |
| LNK220.3215.4.04.IK          | 25               | 16,1  | 14,4           | f <sub>2</sub> +w/2 | 4 | -                | 57             | 38             | 229040          | 220002 |
| LNK220.3215.4.05.IK          | 25               | 15,95 | 13,9           | f <sub>2</sub> +w/2 | 5 | -                | 57             | 38             | 229050 • 229051 | 220002 |
| LNK220.3215.4.06.IK          | 25               | 15,85 | 13,4           | f <sub>2</sub> +w/2 | 6 | -                | 57             | 38             | 229060 • 229061 | 220002 |
| LNK220.3218.4.13.IK          | 15               | 18,4  | 17,1           | f <sub>2</sub> +w/2 | 3 | 180              | 51             | 32             | 229030          | 220002 |
| LNK220.3218.4.14.IK          | 15               | 18,3  | 16,6           | f <sub>2</sub> +w/2 | 4 | 180              | 51             | 32             | 229040          | 220002 |
| LNK220.3218.4.15.IK          | 15               | 18,15 | 16,1           | f <sub>2</sub> +w/2 | 5 | 180              | 51             | 32             | 229050 • 229051 | 220002 |
| LNK220.3218.4.16.IK          | 15               | 18,05 | 15,6           | f <sub>2</sub> +w/2 | 6 | 180              | 51             | 32             | 229060 • 229061 | 220002 |

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

### Kühlmittelaustritt:

Durch Spannfinger und Unterstützung

### Coolant outlet:

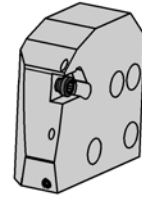
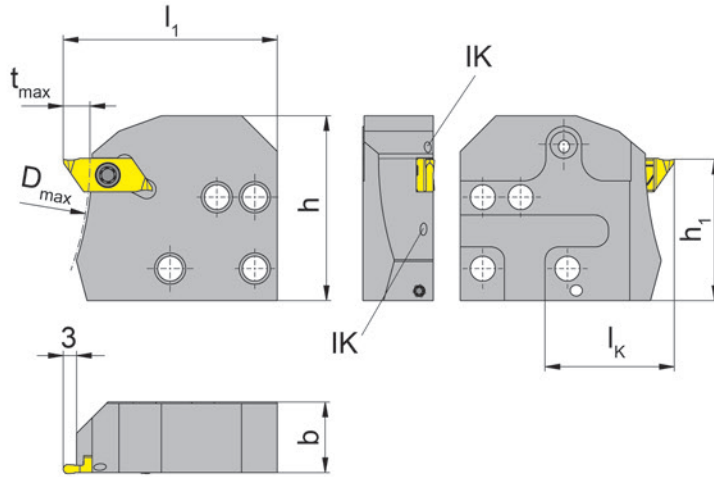
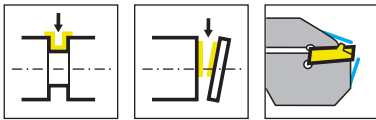
Through clamping finger and insert support

### Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK220...          | 6.23T25P                        | T25PQ                                     |





R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b    | f <sub>2</sub> | D <sub>max</sub> | l <sub>1</sub> | h    | h <sub>1</sub> | l <sub>K</sub> | Spannbereich<br>Clamping range | HWS     | HMS    |
|------------------------------|------------------|------|----------------|------------------|----------------|------|----------------|----------------|--------------------------------|---------|--------|
| <b>RNK274.0220.4.04.IK</b>   | 6                | 15,8 | 16             | 150              | 48             | 41,4 | 31,65          | 29             | 4                              | 274040R | 220001 |
| <b>LNK274.0220.4.04.IK</b>   | 6                | 15,8 | 16             | 150              | 48             | 41,4 | 31,65          | 29             | 4                              | 274040L | 220002 |

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

**Kühlmittelaustritt:**

Durch Spannfinger und Unterstützung

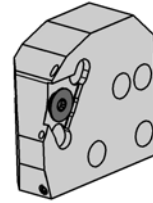
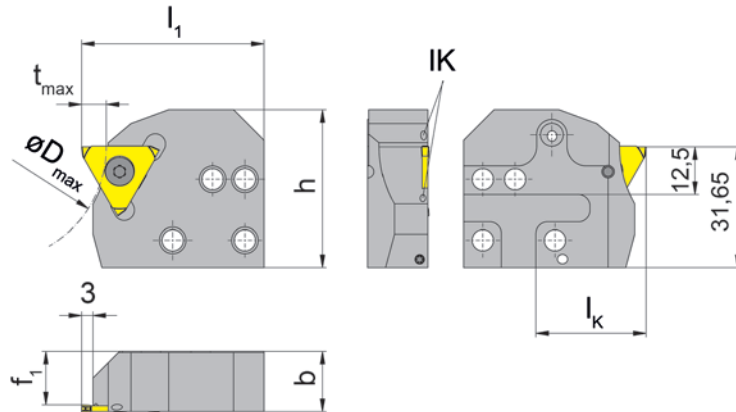
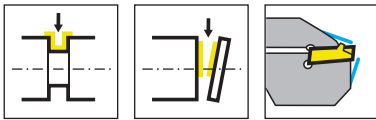
**Coolant outlet:**

Through clamping finger and insert support

**Ersatzteile**

Spare Parts

| Kassette<br>Cassette  | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|-----------------------|---------------------------------|-------------------------------------------|
| R/LNK274.0220.4.04.IK | <b>030.3509.T15P</b>            | <b>T15PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b    | f                                | f <sub>1</sub> | D <sub>max</sub> | l <sub>1</sub> | h    | l <sub>k</sub> | Spannbereich<br>Clamping range | HWS    | HMS    |
|------------------------------|------------------|------|----------------------------------|----------------|------------------|----------------|------|----------------|--------------------------------|--------|--------|
| RNK34T.0220.4.00.IK          | 6,5              | 15,8 | f <sub>1</sub> +w+a <sub>1</sub> | 15             | 60               | 48             | 41,4 | 29             | 1,03-1,03                      | 34T00R | 220001 |
| RNK34T.0220.4.10.IK          | 6,5              | 15,8 | f <sub>1</sub> +w+a <sub>1</sub> | 14,3           | 60               | 48             | 41,4 | 29             | 2,00-2,00                      | 34T01N | 220001 |
| RNK34T.0220.4.20.IK          | 6,5              | 15,8 | f <sub>1</sub> +w+a <sub>1</sub> | 13,3           | 60               | 48             | 41,4 | 29             | 2,01-3,00                      | 34T02N | 220001 |
| RNK34T.0220.4.30.IK          | 6,5              | 15,8 | f <sub>1</sub> +w+a <sub>1</sub> | 12,3           | 60               | 48             | 41,4 | 29             | 3,01-4,00                      | 34T03N | 220001 |
| RNK34T.0220.4.40.IK          | 6,5              | 15,8 | f <sub>1</sub> +w+a <sub>1</sub> | 11,3           | 60               | 48             | 41,4 | 29             | 4,01-5,00                      | 34T04N | 220001 |
| LNK34T.0220.4.00.IK          | 6,5              | 15,8 | f <sub>1</sub> +w+a <sub>1</sub> | 15             | 60               | 48             | 41,4 | 29             | 1,03-1,03                      | 34T00L | 220002 |
| LNK34T.0220.4.10.IK          | 6,5              | 15,8 | f <sub>1</sub> +w+a <sub>1</sub> | 14,3           | 60               | 48             | 41,4 | 29             | 2,00-2,00                      | 34T01N | 220002 |
| LNK34T.0220.4.20.IK          | 6,5              | 15,8 | f <sub>1</sub> +w+a <sub>1</sub> | 13,3           | 60               | 48             | 41,4 | 29             | 2,01-3,00                      | 34T02N | 220002 |
| LNK34T.0220.4.30.IK          | 6,5              | 15,8 | f <sub>1</sub> +w+a <sub>1</sub> | 12,3           | 60               | 48             | 41,4 | 29             | 3,01-4,00                      | 34T03N | 220002 |
| LNK34T.0220.4.40.IK          | 6,5              | 15,8 | f <sub>1</sub> +w+a <sub>1</sub> | 11,3           | 60               | 48             | 41,4 | 29             | 4,01-5,00                      | 34T04N | 220002 |

w, a<sub>1</sub> siehe WSP  
w, a<sub>1</sub> see indexable inserts

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

### Kühlmittelaustritt:

Durch Spannfinger und Unterstützung

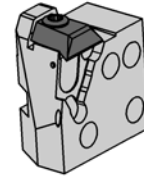
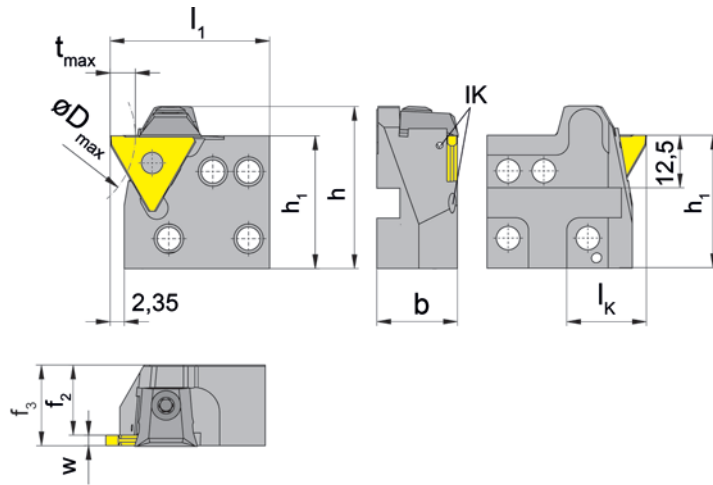
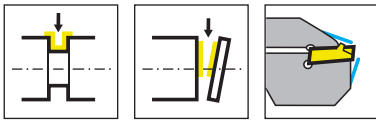
### Coolant outlet:

Through clamping finger and insert support

### Ersatzteile

Spare Parts

| Kassette<br>Cassette           | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|--------------------------------|---------------------------------|-------------------------------------------|
| R/LNK34T.0220.4.00.IK/...10.IK | 030.4093.T15P                   | T15PQ                                     |
| R/LNK34T.0220.4.20.IK          | 030.4010.T15P                   | T15PQ                                     |
| R/LNK34T.0220.4.30.IK/...40.IK | 030.5012.T15P                   | T15PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b    | f <sub>2</sub> | f <sub>3</sub>                   | D <sub>max</sub> | l <sub>1</sub> | h     | h <sub>1</sub> | l <sub>k</sub> | Spann-<br>bereich<br>Clamping<br>range | HWS                                           | HMS    |
|------------------------------|------------------|------|----------------|----------------------------------|------------------|----------------|-------|----------------|----------------|----------------------------------------|-----------------------------------------------|--------|
| <b>RNK360.0220.5.01.IK</b>   | 4                | 19,2 | 17,7           | f <sub>2</sub> +w-a <sub>1</sub> | 40               | 38             | 38,65 | 31,65          | 19             | 0,5-1,9                                | 31201N • 31201R • 31201L<br>• 31208N • 31211N | 220001 |
| <b>RNK360.0220.5.02.IK</b>   | 6                | 19,2 | 16,7           | f <sub>2</sub> +w-a <sub>1</sub> | 40               | 38             | 38,65 | 31,65          | 19             | 1,9-2,9                                | 31202N • 31202R • 31202L                      | 220001 |
| <b>RNK360.0220.5.03.IK</b>   | 6                | 19,2 | 15,7           | f <sub>2</sub> +w-a <sub>1</sub> | 40               | 38             | 38,65 | 31,65          | 19             | 2,9-3,9                                | 31203N • 31203R • 31203L                      | 220001 |
| <b>RNK360.0220.5.04.IK</b>   | 6                | 19,2 | 14             | f <sub>2</sub> +w-a <sub>1</sub> | 40               | 38             | 38,65 | 31,65          | 19             | 3,9-6,3                                | 31204N • 31204R • 31204L                      | 220001 |
| <b>LNK360.0220.5.01.IK</b>   | 4                | 19,2 | 17,7           | f <sub>2</sub> +w-a <sub>1</sub> | 40               | 38             | 38,65 | 31,65          | 19             | 0,5-1,9                                | 31201N • 31201R • 31201L<br>• 31208N • 31211N | 220002 |
| <b>LNK360.0220.5.02.IK</b>   | 6                | 19,2 | 16,7           | f <sub>2</sub> +w-a <sub>1</sub> | 40               | 38             | 38,65 | 31,65          | 19             | 1,9-2,9                                | 31202N • 31202R • 31202L                      | 220002 |
| <b>LNK360.0220.5.03.IK</b>   | 6                | 19,2 | 15,7           | f <sub>2</sub> +w-a <sub>1</sub> | 40               | 38             | 38,65 | 31,65          | 19             | 2,9-3,9                                | 31203N • 31203R • 31203L                      | 220002 |
| <b>LNK360.0220.5.04.IK</b>   | 6                | 19,2 | 14             | f <sub>2</sub> +w-a <sub>1</sub> | 40               | 38             | 38,65 | 31,65          | 19             | 3,9-6,3                                | 31204N • 31204R • 31204L                      | 220002 |

w, a<sub>1</sub> siehe WSP  
w, a<sub>1</sub> see indexable inserts

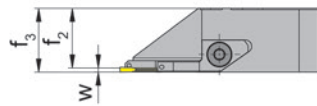
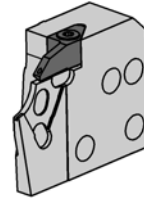
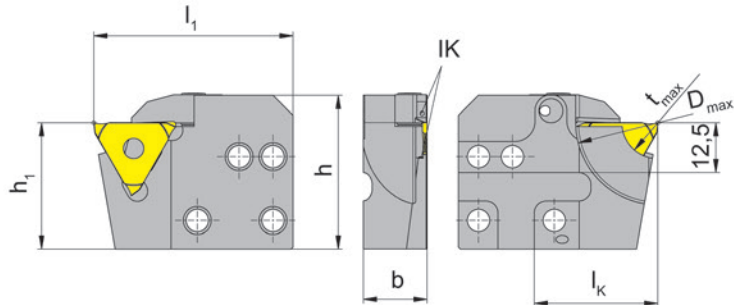
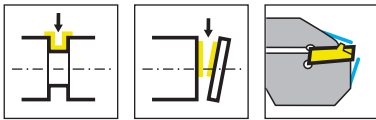
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.  
The fastening screw is combined with the basic toolholder - no separate order required.

**Kühlmittelaustritt:**  
Durch Unterstützung  
**Coolant outlet:**  
Through insert support

## Ersatzteile

### Spare Parts

| Kassette<br>Cassette | Spannelement<br>Clamping element | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|----------------------------------|-------------------------------------------|
| R/LNK360...          | 14.4                             | T15PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b  | f <sub>2</sub> | f <sub>3</sub>                   | D <sub>max</sub> | h    | h <sub>1</sub> | l <sub>K</sub> | Spannbereich<br>Clamping range | HWS    | HMS    |
|------------------------------|------------------|----|----------------|----------------------------------|------------------|------|----------------|----------------|--------------------------------|--------|--------|
| <b>RNK368.0220.4.01.IK</b>   | 8                | 16 | 15             | f <sub>2</sub> +w-a <sub>1</sub> | 40               | 38,5 | 31,65          | 31             | 0,5-1,2                        | 31208N | 220001 |
| <b>RNK368.0220.4.02.IK</b>   | 8                | 16 | 14,7           | f <sub>2</sub> +w-a <sub>1</sub> | 40               | 38,5 | 31,65          | 31             | 1,2-1,5                        | 31211N | 220001 |
| <b>LNK368.0220.4.01.IK</b>   | 8                | 16 | 15             | f <sub>2</sub> +w-a <sub>1</sub> | 40               | 38,5 | 31,65          | 31             | 0,5-1,2                        | 31208N | 220002 |
| <b>LNK368.0220.4.02.IK</b>   | 8                | 16 | 14,7           | f <sub>2</sub> +w-a <sub>1</sub> | 40               | 38,5 | 31,65          | 31             | 1,2-1,5                        | 31211N | 220002 |

w, a<sub>1</sub> siehe WSP  
w, a<sub>1</sub> see indexable inserts

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

#### Kühlmittelaustritt:

Durch Spannfinger und Unterstützung

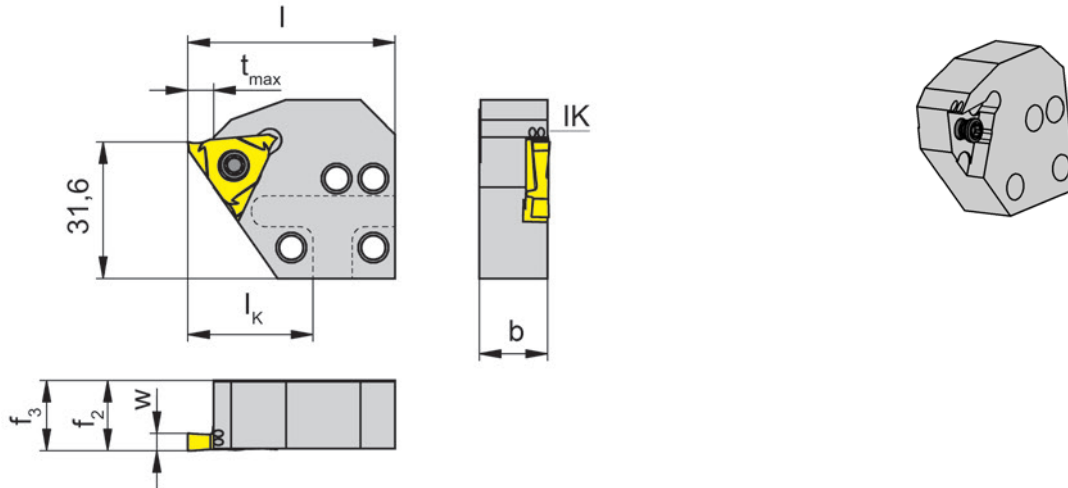
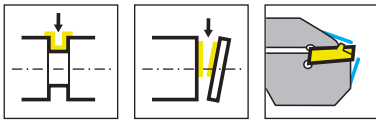
#### Coolant outlet:

Through clamping finger and insert support

#### Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannelement<br>Clamping element | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|----------------------------------|-------------------------------------------|
| LNK368.0220.4....    | <b>010.0004.0586</b>             | <b>T10PL</b>                              |
| RNK368.0220.4....    | <b>010.0004.0620</b>             | <b>T10PL</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b    | f <sub>2</sub> | f <sub>3</sub>                 | l  | l <sub>K</sub> | HWS    | HMS    |
|------------------------------|------------------|------|----------------|--------------------------------|----|----------------|--------|--------|
| <b>RNK356.0220.03.IK</b>     | 5                | 15,8 | 16,1           | f <sub>3</sub> =f <sub>2</sub> | 48 | 29             | 31503R | 220001 |
| <b>RNK356.0220.05.IK</b>     | 5                | 15,8 | 16,3           | f <sub>3</sub> =f <sub>2</sub> | 48 | 29             | 31505R | 220001 |
| <b>LNK356.0220.03.IK</b>     | 5                | 15,8 | 16,1           | f <sub>3</sub> =f <sub>2</sub> | 48 | 29             | 31503L | 220002 |
| <b>LNK356.0220.05.IK</b>     | 5                | 15,8 | 16,3           | f <sub>3</sub> =f <sub>2</sub> | 48 | 29             | 31505L | 220002 |

w siehe WSP  
w see indexable inserts

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

**Kühlmittelaustritt:**

Durch Spannfinger

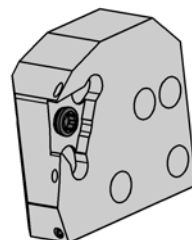
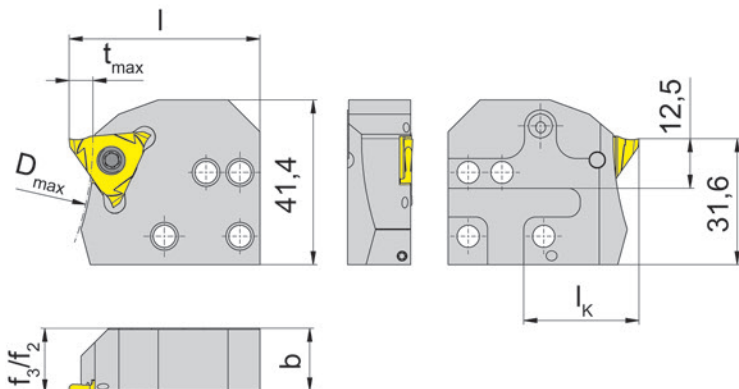
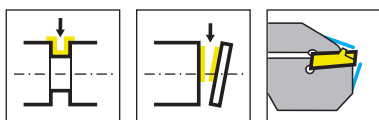
**Coolant outlet:**

Through clamping finger

**Ersatzteile**

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK356...          | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b    | f <sub>2</sub> | f <sub>3</sub>                 | D <sub>max</sub> | l  | l <sub>k</sub> | HWS     | HMS    |
|------------------------------|------------------|------|----------------|--------------------------------|------------------|----|----------------|---------|--------|
| <b>RNK356.0220.4.23.IK</b>   | 5                | 15,8 | 16,3           | f <sub>3</sub> =f <sub>2</sub> | 150              | 48 | 29             | 31503R  | 220001 |
| <b>RNK356.0220.4.25.IK</b>   | 5                | 15,8 | 16,3           | f <sub>3</sub> =f <sub>2</sub> | 150              | 48 | 29             | 31505R  | 220001 |
| <b>RNK356.0220.S.4.03.IK</b> | 6                | 15,8 | 16,1           | f <sub>3</sub> =f <sub>2</sub> | 150              | 48 | 29             | S31503R | 220001 |
| <b>RNK356.1220.5.16.IK</b>   | 5                | 16   | 16,3           | f <sub>3</sub> =f <sub>2</sub> | 35               | 38 | 19             | 31505R  | 220001 |
| <b>LNK356.0220.4.23.IK</b>   | 5                | 15,8 | 16,3           | f <sub>3</sub> =f <sub>2</sub> | 150              | 48 | 29             | 31503L  | 220002 |
| <b>LNK356.0220.4.25.IK</b>   | 5                | 15,8 | 16,3           | f <sub>3</sub> =f <sub>2</sub> | 150              | 48 | 29             | 31505L  | 220002 |
| <b>LNK356.0220.S.4.03.IK</b> | 6                | 15,8 | 16,1           | f <sub>3</sub> =f <sub>2</sub> | 150              | 48 | 29             | S31503L | 220002 |
| <b>LNK356.1220.5.16.IK</b>   | 5                | 16   | 16,3           | f <sub>3</sub> =f <sub>2</sub> | 35               | 38 | 19             | 31505L  | 220002 |

w siehe WSP  
w see indexable inserts

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

### Kühlmittelaustritt:

Durch Spannfinger und Unterstützung

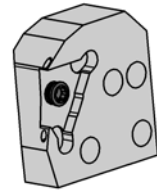
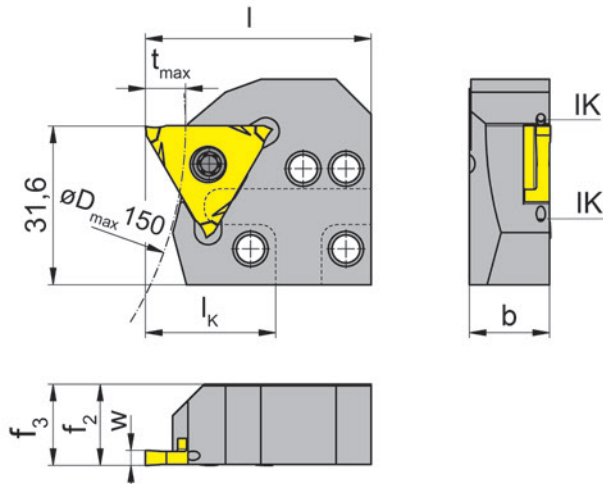
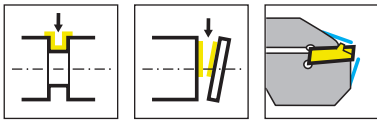
### Coolant outlet:

Through clamping finger and insert support

### Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK356...          | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number  | t <sub>max</sub> | b  | f <sub>2</sub> | f <sub>3</sub>                 | D <sub>max</sub> | l  | l <sub>k</sub> | HWS     | HMS    |
|-------------------------------|------------------|----|----------------|--------------------------------|------------------|----|----------------|---------|--------|
| <b>RNK316.0220.4.03.IK</b>    | 8                | 16 | 18,1           | f <sub>3</sub> =f <sub>2</sub> | 150              | 45 | 26             | 31603R  | 220001 |
| <b>RNK316.0220.4.05.IK</b>    | 8                | 16 | 16,2           | f <sub>3</sub> =f <sub>2</sub> | 150              | 45 | 26             | 31605R  | 220001 |
| <b>RNK316.0220.S3.4.03.IK</b> | 8                | 16 | 16,2           | f <sub>3</sub> =f <sub>2</sub> | 150              | 45 | 26             | S31603R | 220001 |
| <b>LNK316.0220.4.03.IK</b>    | 8                | 16 | 18,1           | f <sub>3</sub> =f <sub>2</sub> | 150              | 45 | 26             | 31603L  | 220002 |
| <b>LNK316.0220.4.05.IK</b>    | 8                | 16 | 16,2           | f <sub>3</sub> =f <sub>2</sub> | 150              | 45 | 26             | 31605L  | 220002 |
| <b>LNK316.0220.S3.4.03.IK</b> | 8                | 16 | 16,2           | f <sub>3</sub> =f <sub>2</sub> | 150              | 45 | 26             | S31603L | 220002 |

w siehe WSP  
w see indexable inserts

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

### Kühlmittelaustritt:

Durch Spannfinger und Unterstützung

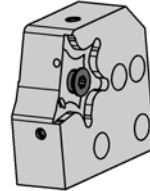
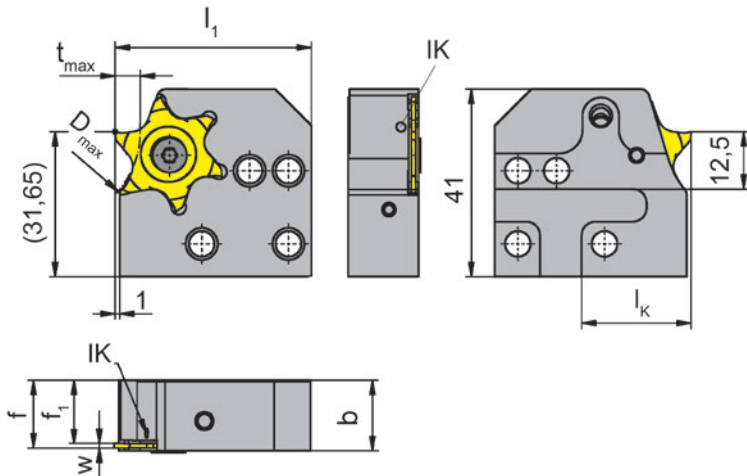
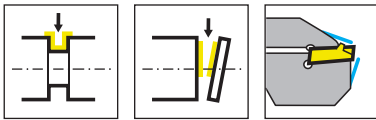
### Coolant outlet:

Through clamping finger and insert support

### Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK316...          | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

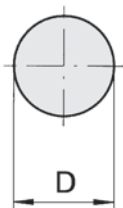
L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b    | f                                | f <sub>1</sub> | D <sub>max</sub> | l <sub>1</sub> | l <sub>K</sub> | HWS    | HMS    |
|------------------------------|------------------|------|----------------------------------|----------------|------------------|----------------|----------------|--------|--------|
| <b>RNK64T.0220.01.IK</b>     | 5,5              | 15,4 | f <sub>1</sub> +w+a <sub>1</sub> | 13,2           | 100              | 43             | 24             | 64T01N | 220001 |
| <b>RNK64T.0220.02.IK</b>     | 5,5              | 15,4 | f <sub>1</sub> +w+a <sub>1</sub> | 12,7           | 100              | 43             | 24             | 64T02N | 220001 |
| <b>LNK64T.0220.01.IK</b>     | 5,5              | 15,4 | f <sub>1</sub> +w+a <sub>1</sub> | 13,2           | 100              | 43             | 24             | 64T01N | 220002 |
| <b>LNK64T.0220.02.IK</b>     | 5,5              | 15,4 | f <sub>1</sub> +w+a <sub>1</sub> | 12,7           | 100              | 43             | 24             | 64T02N | 220002 |

w, a<sub>1</sub> siehe WSP  
w, a<sub>1</sub> see indexable inserts

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

Ein- und Abstechen von Wellen  
Grooving and parting off solid bars



| Dmin | tmax |
|------|------|
| 40   | 5,5  |
| 45   | 5    |
| 50   | 4,5  |
| 55   | 4    |
| 65   | 3,5  |
| 70   | 3,5  |
| 80   | 3    |
| 100  | 2,5  |

## Ersatzteile

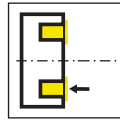
### Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK64T...          | <b>030.4010.T15P</b>            | <b>T15PQ</b>                              |

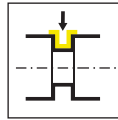




Grundhalter  
Basic toolholder  
B224/220

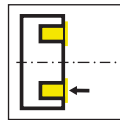


Seite/Page  
78



Seite/Page  
79-80

Kassette  
Cassette  
AK25A/LAK224/  
RAK224/LIK224  
RIK224/LAK220/  
RAK220/LIK220/RIK220



Seite/Page  
81-98

**R/LAK**  
**R/LIK**

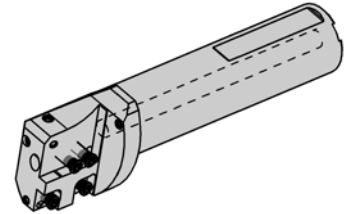
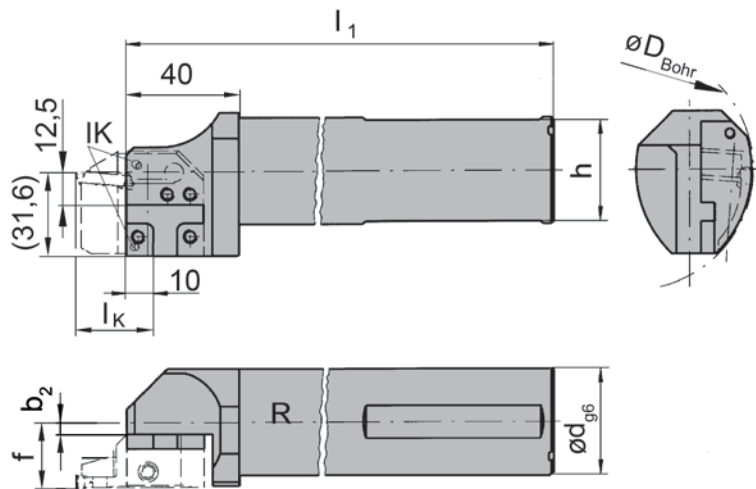
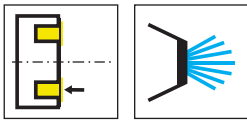


**Kassetten zur  
Axialbearbeitung**

- Grundhalter
- 25A
- 224
- 220

**Cassettes for  
face grooving**

- Basic toolholder
- 25A
- 224
- 220



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

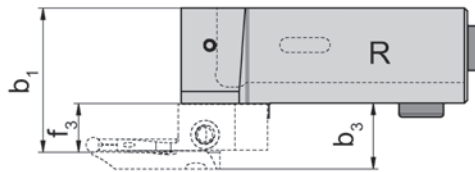
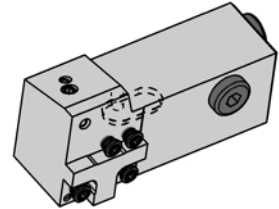
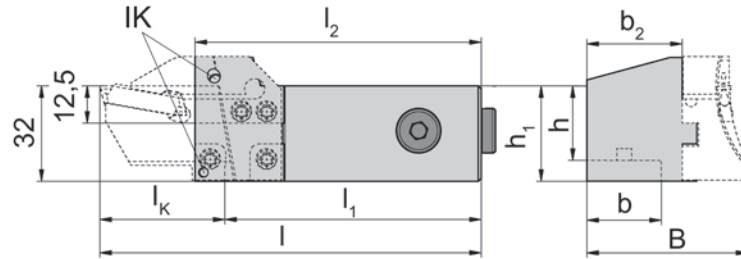
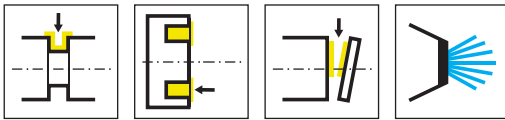
| Bestellnummer<br>Part number | f         | d  | $l_1$ | h  | $b_2$ | $D_{Bohr}$ | HWS    |
|------------------------------|-----------|----|-------|----|-------|------------|--------|
| RB224.0032.K1.IK             | $b_2+f_3$ | 32 | 181   | 30 | 0,41  | 90         | 220001 |
| RB224.0040.K1.IK             | $b_2+f_3$ | 40 | 231   | 38 | 4,41  | 90         | 220001 |
| RB224.0032.1.K1.IK           | $b_2+f_3$ | 32 | 116   | 30 | 0,41  | 90         | 220001 |
| RB224.0040.1.K1.IK           | $b_2+f_3$ | 40 | 116   | 38 | 4,41  | 90         | 220001 |
| LB224.0032.K1.IK             | $b_2+f_3$ | 32 | 181   | 30 | 0,41  | 90         | 220002 |
| LB224.0040.K1.IK             | $b_2+f_3$ | 40 | 231   | 38 | 4,41  | 90         | 220002 |
| LB224.0032.1.K1.IK           | $b_2+f_3$ | 32 | 116   | 30 | 0,41  | 90         | 220002 |
| LB224.0040.1.K1.IK           | $b_2+f_3$ | 40 | 116   | 38 | 4,41  | 90         | 220002 |

Da min / f3 / IK siehe Kassetten  
Da min / f3 / IK see cassettes

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| R/LB224...                      | 5.12T20P                        | T20PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

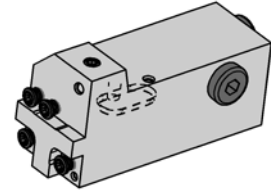
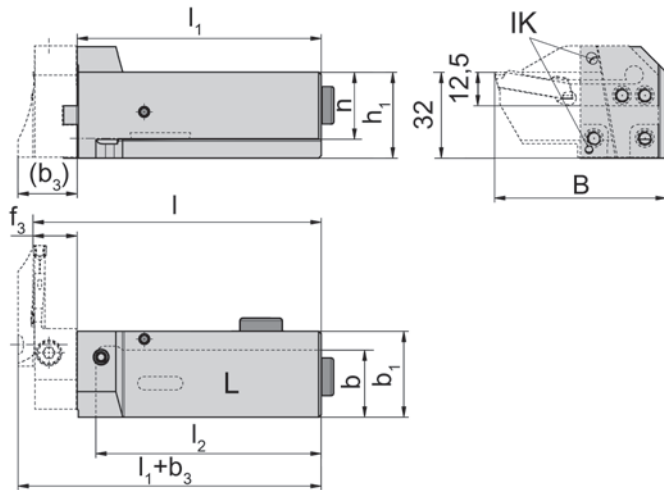
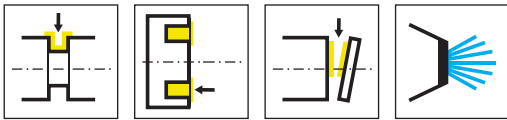
| Bestellnummer<br>Part number | h  | h <sub>1</sub> | l <sub>1</sub>     | b  | b <sub>1</sub>                 | b <sub>2</sub> | l <sub>2</sub> | l                              | B                              | HWS    |
|------------------------------|----|----------------|--------------------|----|--------------------------------|----------------|----------------|--------------------------------|--------------------------------|--------|
| <b>R220.1616.2.K1.IK</b>     | 16 | 32             | l <sub>2</sub> -10 | 16 | b <sub>2</sub> +f <sub>3</sub> | 23             | 84             | l <sub>1</sub> +l <sub>K</sub> | b <sub>2</sub> +b <sub>3</sub> | 220001 |
| <b>R220.2020.2.K1.IK</b>     | 20 | 32             | l <sub>2</sub> -10 | 20 | b <sub>2</sub> +f <sub>3</sub> | 27             | 84             | l <sub>1</sub> +l <sub>K</sub> | b <sub>2</sub> +b <sub>3</sub> | 220001 |
| <b>R220.2525.2.K1.IK</b>     | 25 | 32             | l <sub>2</sub> -10 | 25 | b <sub>2</sub> +f <sub>3</sub> | 32             | 96             | l <sub>1</sub> +l <sub>K</sub> | b <sub>2</sub> +b <sub>3</sub> | 220001 |
| <b>R220.3225.2.K1.IK</b>     | 32 | 32             | l <sub>2</sub> -10 | 25 | b <sub>2</sub> +f <sub>3</sub> | 25             | 105            | l <sub>1</sub> +l <sub>K</sub> | b <sub>2</sub> +b <sub>3</sub> | 220001 |
| <b>R220.3232.2.K1.IK</b>     | 32 | 32             | l <sub>2</sub> -10 | 32 | b <sub>2</sub> +f <sub>3</sub> | 32             | 130            | l <sub>1</sub> +l <sub>K</sub> | b <sub>2</sub> +b <sub>3</sub> | 220001 |
| <b>L220.1616.2.K1.IK</b>     | 16 | 32             | l <sub>2</sub> -10 | 16 | b <sub>2</sub> +f <sub>3</sub> | 23             | 84             | l <sub>1</sub> +l <sub>K</sub> | b <sub>2</sub> +b <sub>3</sub> | 220002 |
| <b>L220.2020.2.K1.IK</b>     | 20 | 32             | l <sub>2</sub> -10 | 20 | b <sub>2</sub> +f <sub>3</sub> | 27             | 84             | l <sub>1</sub> +l <sub>K</sub> | b <sub>2</sub> +b <sub>3</sub> | 220002 |
| <b>L220.2525.2.K1.IK</b>     | 25 | 32             | l <sub>2</sub> -10 | 25 | b <sub>2</sub> +f <sub>3</sub> | 32             | 96             | l <sub>1</sub> +l <sub>K</sub> | b <sub>2</sub> +b <sub>3</sub> | 220002 |
| <b>L220.3225.2.K1.IK</b>     | 32 | 32             | l <sub>2</sub> -10 | 25 | b <sub>2</sub> +f <sub>3</sub> | 25             | 105            | l <sub>1</sub> +l <sub>K</sub> | b <sub>2</sub> +b <sub>3</sub> | 220002 |
| <b>L220.3232.2.K1.IK</b>     | 32 | 32             | l <sub>2</sub> -10 | 32 | b <sub>2</sub> +f <sub>3</sub> | 32             | 130            | l <sub>1</sub> +l <sub>K</sub> | b <sub>2</sub> +b <sub>3</sub> | 220002 |

lK, b3 (Maß „b3“ entspricht „b“ bei Axial-Kassetten) und f3 siehe Kassetten  
lK, b3 [Dimension „b3“ corresponds to „b“ for face grooving cassettes] and f3 see cassettes

### Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench | Verschlusschraube<br>Screw Plug |
|---------------------------------|---------------------------------|-------------------------------------------|---------------------------------|
| R/L220...                       | <b>5.12T20P</b>                 | <b>T20PQ</b>                              | <b>004.00.26</b>                |



L = links wie gezeichnet  
L = left hand version shown

R = Rechtsausführung  
R = right hand version

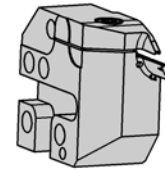
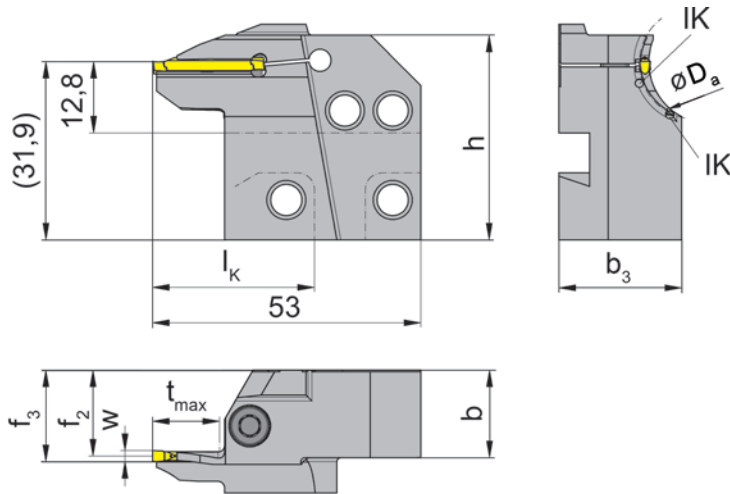
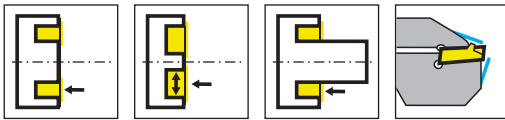
| Bestellnummer<br>Part number | h  | h <sub>1</sub> | b  | l <sub>2</sub> | l                              | B                  | b <sub>1</sub> | l <sub>1</sub> | HWS    |
|------------------------------|----|----------------|----|----------------|--------------------------------|--------------------|----------------|----------------|--------|
| R220.1616.2.K2.IK            | 16 | 32             | 16 | 69             | l <sub>1</sub> +f <sub>3</sub> | l <sub>K</sub> +19 | 32             | 79             | 220002 |
| R220.2020.2.K2.IK            | 20 | 32             | 20 | 69             | l <sub>1</sub> +f <sub>3</sub> | l <sub>K</sub> +19 | 32             | 79             | 220002 |
| R220.2525.2.K2.IK            | 25 | 32             | 25 | 84             | l <sub>1</sub> +f <sub>3</sub> | l <sub>K</sub> +19 | 32             | 91             | 220002 |
| R220.3225.2.K2.IK            | 32 | 32             | 29 | 90             | l <sub>1</sub> +f <sub>3</sub> | l <sub>K</sub> +22 | 37             | 100            | 220002 |
| R220.3232.2.K2.IK            | 32 | 32             | 32 | 115            | l <sub>1</sub> +f <sub>3</sub> | l <sub>K</sub> +19 | 37             | 125            | 220002 |
| L220.1616.2.K2.IK            | 16 | 32             | 16 | 69             | l <sub>1</sub> +f <sub>3</sub> | l <sub>K</sub> +19 | 32             | 79             | 220001 |
| L220.2020.2.K2.IK            | 20 | 32             | 20 | 69             | l <sub>1</sub> +f <sub>3</sub> | l <sub>K</sub> +19 | 32             | 79             | 220001 |
| L220.2525.2.K2.IK            | 25 | 32             | 25 | 84             | l <sub>1</sub> +f <sub>3</sub> | l <sub>K</sub> +19 | 32             | 91             | 220001 |
| L220.3225.2.K2.IK            | 32 | 32             | 29 | 90             | l <sub>1</sub> +f <sub>3</sub> | l <sub>K</sub> +22 | 37             | 100            | 220001 |

IK, b3 (Maß „b3“ entspricht „b“ bei Axial-Kassetten) und f3 siehe Kassetten  
IK, b3 [Dimension „b3“ corresponds to „b“ for face grooving cassettes] and f3 see cassettes

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench | Verschlusschraube<br>Screw Plug |
|---------------------------------|---------------------------------|-------------------------------------------|---------------------------------|
| R/L220...                       | 5.12T20P                        | T20PQ                                     | 004.00.26                       |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | b <sub>3</sub> | f <sub>2</sub> | f <sub>3</sub>      | w | h    | l <sub>k</sub> | HWS*  | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|----------------|---------------------|---|------|----------------|-------|--------|
| RAK25A.1520.02.IK            | 15                 | 20                 | 12               | 15,7 | 21             | 15,4           | f <sub>2</sub> +w/2 | 2 | 38,6 | 34             | 25A02 | 220001 |
| RAK25A.2025.02.IK            | 20                 | 25                 | 12               | 15,7 | 22             | 15,4           | f <sub>2</sub> +w/2 | 2 | 38,6 | 34             | 25A02 | 220001 |
| RAK25A.2530.02.IK            | 25                 | 30                 | 13               | 15,7 | 23             | 15,4           | f <sub>2</sub> +w/2 | 2 | 38,6 | 34             | 25A02 | 220001 |
| RAK25A.2025.03.IK            | 20                 | 25                 | 14               | 15,7 | 24             | 14,9           | f <sub>2</sub> +w/2 | 3 | 38,6 | 34             | 25A03 | 220001 |
| RAK25A.2530.03.IK            | 25                 | 30                 | 15               | 15,7 | 25             | 14,9           | f <sub>2</sub> +w/2 | 3 | 38,6 | 34             | 25A03 | 220001 |
| RAK25A.3040.03.IK            | 30                 | 40                 | 16               | 15,7 | 23             | 14,9           | f <sub>2</sub> +w/2 | 3 | 38,6 | 34             | 25A03 | 220001 |
| RAK25A.4050.03.IK            | 40                 | 50                 | 18               | 15,7 | 24             | 14,9           | f <sub>2</sub> +w/2 | 3 | 38,6 | 34             | 25A03 | 220001 |
| RAK25A.5065.03.IK            | 50                 | 65                 | 18               | 15,7 | 21,5           | 15,4           | f <sub>2</sub> +w/2 | 3 | 39   | 34             | 25A03 | 220001 |
| RAK25A.6580.03.IK            | 65                 | 80                 | 20               | 15,7 | 24             | 17,1           | f <sub>2</sub> +w/2 | 3 | 39   | 34             | 25A03 | 220001 |
| LAK25A.1520.02.IK            | 15                 | 20                 | 12               | 15,7 | 21             | 15,4           | f <sub>2</sub> +w/2 | 2 | 38,6 | 34             | 25A02 | 220002 |
| LAK25A.2025.02.IK            | 20                 | 25                 | 12               | 15,7 | 22             | 15,4           | f <sub>2</sub> +w/2 | 2 | 38,6 | 34             | 25A02 | 220002 |
| LAK25A.2530.02.IK            | 25                 | 30                 | 13               | 15,7 | 23             | 15,4           | f <sub>2</sub> +w/2 | 2 | 38,6 | 34             | 25A02 | 220002 |
| LAK25A.2025.03.IK            | 20                 | 25                 | 14               | 15,7 | 24             | 14,9           | f <sub>2</sub> +w/2 | 3 | 38,6 | 34             | 25A03 | 220002 |
| LAK25A.2530.03.IK            | 25                 | 30                 | 15               | 15,7 | 25             | 14,9           | f <sub>2</sub> +w/2 | 3 | 38,6 | 34             | 25A03 | 220002 |
| LAK25A.3040.03.IK            | 30                 | 40                 | 16               | 15,7 | 23             | 14,9           | f <sub>2</sub> +w/2 | 3 | 38,6 | 34             | 25A03 | 220002 |
| LAK25A.4050.03.IK            | 40                 | 50                 | 18               | 15,7 | 24             | 14,9           | f <sub>2</sub> +w/2 | 3 | 38,6 | 34             | 25A03 | 220002 |
| LAK25A.5065.03.IK            | 50                 | 65                 | 18               | 15,7 | 22             | 15,4           | f <sub>2</sub> +w/2 | 3 | 39   | 34             | 25A03 | 220002 |
| LAK25A.6580.03.IK            | 65                 | 80                 | 18               | 15,7 | 21,5           | 15,4           | f <sub>2</sub> +w/2 | 3 | 39   | 34             | 25A03 | 220002 |

\* Schneidplattenbreite beachten

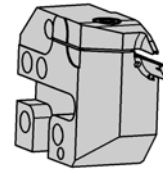
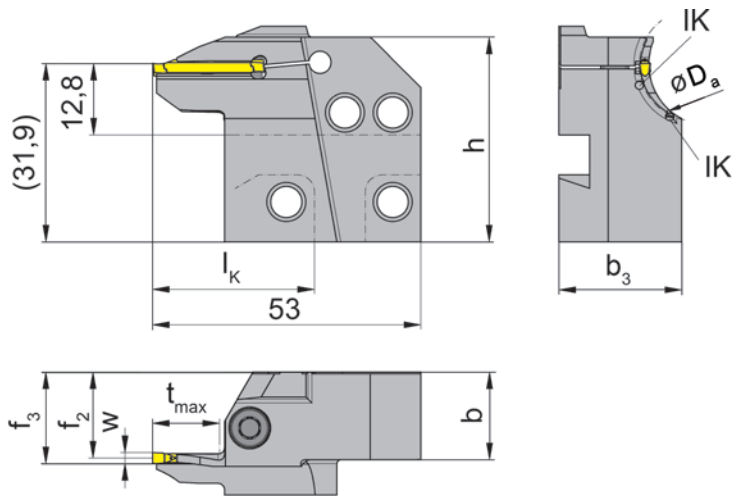
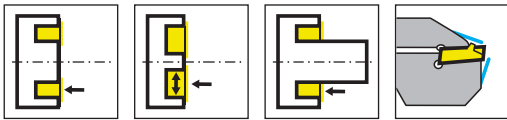
\* Please note insert width

Spitzenhöhe liegt 0,3 mm über Drehmitte  
The cutting edge is above 0,3 mm the centre height

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LAK25A...          | 5.13T20P                        | T20PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | $D_{a \min}$ | $D_{a \max}$ | $t_{\max}$ | b    | $b_3$ | $f_2$ | $f_3$       | w | h    | $l_k$ | HWS*  | HMS    |
|------------------------------|--------------|--------------|------------|------|-------|-------|-------------|---|------|-------|-------|--------|
| RAK25A.2025.04.IK            | 20           | 25           | 16         | 15,7 | 24    | 15,1  | $f_2 + w/2$ | 4 | 38,6 | 34    | 25A04 | 220001 |
| RAK25A.2530.04.IK            | 25           | 30           | 17         | 15,7 | 24    | 15,1  | $f_2 + w/2$ | 4 | 38,6 | 34    | 25A04 | 220001 |
| RAK25A.3040.04.IK            | 30           | 40           | 18         | 15,7 | 24    | 15,1  | $f_2 + w/2$ | 4 | 38,6 | 34    | 25A04 | 220001 |
| RAK25A.4050.04.IK            | 40           | 50           | 20         | 15,7 | 24    | 15,5  | $f_2 + w/2$ | 4 | 39,2 | 34    | 25A04 | 220001 |
| RAK25A.5065.04.IK            | 50           | 65           | 20         | 15,7 | 24    | 17,1  | $f_2 + w/2$ | 4 | 39   | 34    | 25A04 | 220001 |
| LAK25A.2025.04.IK            | 20           | 25           | 16         | 15,7 | 24    | 15,1  | $f_2 + w/2$ | 4 | 38,6 | 34    | 25A04 | 220002 |
| LAK25A.2530.04.IK            | 25           | 30           | 17         | 15,7 | 24    | 15,1  | $f_2 + w/2$ | 4 | 38,6 | 34    | 25A04 | 220002 |
| LAK25A.3040.04.IK            | 30           | 40           | 18         | 15,7 | 24    | 15,1  | $f_2 + w/2$ | 4 | 38,6 | 34    | 25A04 | 220002 |
| LAK25A.4050.04.IK            | 40           | 50           | 20         | 15,7 | 24    | 15,1  | $f_2 + w/2$ | 4 | 39,2 | 34    | 25A04 | 220002 |
| LAK25A.5065.04.IK            | 50           | 65           | 18         | 15,7 | 22    | 15,4  | $f_2 + w/2$ | 4 | 39   | 34    | 25A04 | 220002 |
| LAK25A.6580.04.IK            | 65           | 80           | 20         | 15,7 | 23,5  | 17,1  | $f_2 + w/2$ | 4 | 39   | 34    | 25A04 | 220002 |

\* Schneidplattenbreite beachten

\* Please note insert width

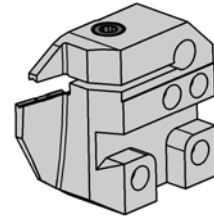
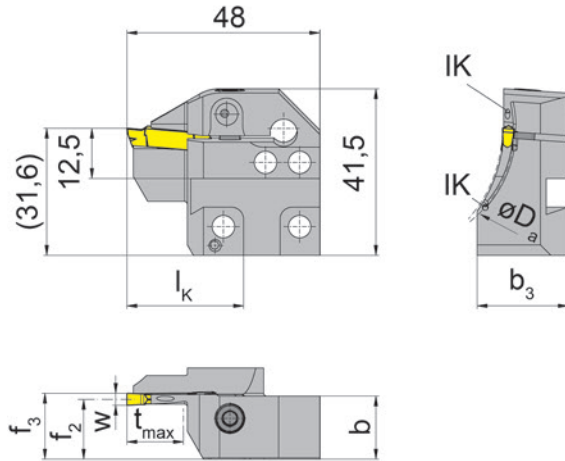
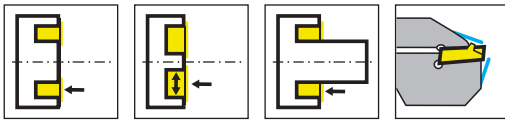
Spitzenhöhe liegt 0,3 mm über Drehmitte  
The cutting edge is above 0,3 mm the centre height

### Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LAK25A...          | 5.13T20P                        | T20PQ                                     |





L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | b <sub>3</sub> | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS*   | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|----------------|---------------------|---|----------------|--------|--------|
| LAK224.5060.03.IK            | 50                 | 60                 | 14               | 15,7 | 23,7           | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220002 |
| LAK224.6075.03.IK            | 60                 | 75                 | 14               | 15,7 | 22,7           | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220002 |
| LAK224.7590.03.IK            | 75                 | 90                 | 14               | 15,7 | 22,7           | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220002 |
| LAK224.9011.03.IK            | 90                 | 110                | 14               | 15,7 | 21             | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220002 |
| LAK224.1113.03.IK            | 110                | 130                | 14               | 15,7 | 21             | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220002 |
| LAK224.1318.03.IK            | 130                | 180                | 14               | 15,7 | 20             | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220002 |
| LAK224.1830.03.IK            | 180                | 300                | 14               | 15,7 | 19             | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220002 |
| LAK224.3000.03.IK            | 300                | 1000               | 14               | 15,7 | 16,9           | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220002 |
| LAK224.3847.04.IK            | 38                 | 47                 | 14               | 15,7 | 24,2           | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220002 |
| LAK224.4760.04.IK            | 47                 | 60                 | 14               | 15,7 | 23,7           | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220002 |
| LAK224.6075.04.IK            | 60                 | 75                 | 14               | 15,7 | 23,7           | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220002 |
| LAK224.7590.04.IK            | 75                 | 90                 | 14               | 15,7 | 22,7           | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220002 |
| LAK224.9013.04.IK            | 90                 | 130                | 14               | 15,7 | 21             | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220002 |
| LAK224.1318.04.IK            | 130                | 180                | 14               | 15,7 | 21             | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220002 |
| LAK224.1830.04.IK            | 180                | 300                | 14               | 15,7 | 19             | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220002 |
| LAK224.3000.04.IK            | 300                | 1000               | 14               | 15,7 | 16,7           | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220002 |

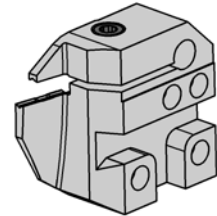
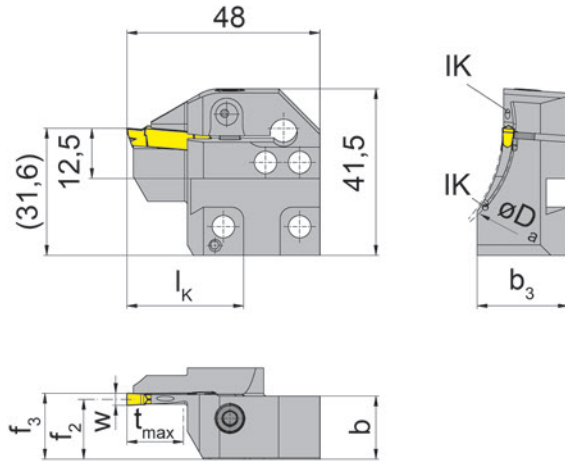
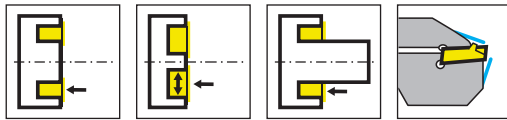
\* Schneidplattenbreite beachten  
\* Please note insert width

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

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| LAK224...            | 5.13T20P                        | T20PQ                                     |



L = Linksausführung

L = left hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | b <sub>3</sub> | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS*   | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|----------------|---------------------|---|----------------|--------|--------|
| LAK224.3847.05.IK            | 38                 | 47                 | 14               | 15,7 | 23,7           | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LAK224.4760.05.IK            | 47                 | 60                 | 14               | 15,7 | 23,7           | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LAK224.6075.05.IK            | 60                 | 75                 | 14               | 15,7 | 23,7           | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LAK224.7590.05.IK            | 75                 | 90                 | 14               | 15,7 | 22             | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LAK224.9013.05.IK            | 90                 | 130                | 14               | 15,7 | 22             | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LAK224.1318.05.IK            | 130                | 180                | 14               | 15,7 | 21             | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LAK224.1830.05.IK            | 180                | 300                | 14               | 15,7 | 19             | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LAK224.3000.05.IK            | 300                | 1000               | 14               | 15,7 | 16,7           | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LAK224.6075.06.IK            | 60                 | 75                 | 14               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220002 |
| LAK224.7590.06.IK            | 75                 | 90                 | 14               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220002 |
| LAK224.9013.06.IK            | 90                 | 130                | 14               | 15,7 | 21             | 13,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220002 |
| LAK224.1318.06.IK            | 130                | 180                | 14               | 15,7 | 21             | 13,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220002 |
| LAK224.1830.06.IK            | 180                | 300                | 14               | 15,7 | 19             | 13,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220002 |
| LAK224.3000.06.IK            | 300                | 1000               | 14               | 15,7 | 16,7           | 13,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220002 |

\* Schneidplattenbreite beachten

\* Please note insert width

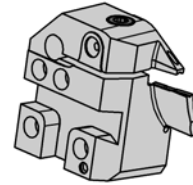
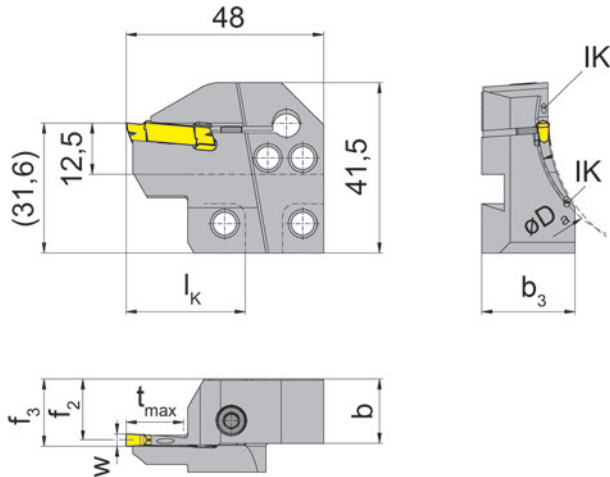
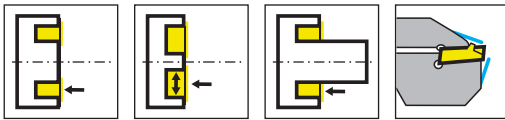
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.

The fastening screw is combined with the basic toolholder - no separate order required.

### Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| LAK224...            | 5.13T20P                        | T20PQ                                     |



R = Rechtsausführung  
R = right hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | b <sub>3</sub> | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS*   | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|----------------|---------------------|---|----------------|--------|--------|
| RAK224.5060.03.IK            | 50                 | 60                 | 14               | 15,7 | 23,7           | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RAK224.6075.03.IK            | 60                 | 75                 | 14               | 15,7 | 22,7           | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RAK224.7590.03.IK            | 75                 | 90                 | 14               | 15,7 | 22,7           | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RAK224.9011.03.IK            | 90                 | 110                | 14               | 15,7 | 21             | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RAK224.1113.03.IK            | 110                | 130                | 14               | 15,7 | 21             | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RAK224.1318.03.IK            | 130                | 180                | 14               | 15,7 | 20             | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RAK224.1830.03.IK            | 180                | 300                | 14               | 15,7 | 19             | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RAK224.3000.03.IK            | 300                | 1000               | 14               | 15,7 | 16,9           | 14,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RAK224.3847.04.IK            | 38                 | 47                 | 14               | 15,7 | 24,2           | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RAK224.4760.04.IK            | 47                 | 60                 | 14               | 15,7 | 23,7           | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RAK224.6075.04.IK            | 60                 | 75                 | 14               | 15,7 | 23,7           | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RAK224.7590.04.IK            | 75                 | 90                 | 14               | 15,7 | 22,7           | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RAK224.9013.04.IK            | 90                 | 130                | 14               | 15,7 | 21             | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RAK224.1318.04.IK            | 130                | 180                | 14               | 15,7 | 21             | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RAK224.1830.04.IK            | 180                | 300                | 14               | 15,7 | 19             | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RAK224.3000.04.IK            | 300                | 1000               | 14               | 15,7 | 16,7           | 14,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |

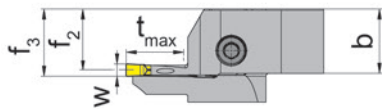
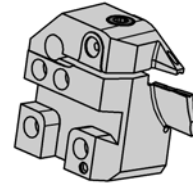
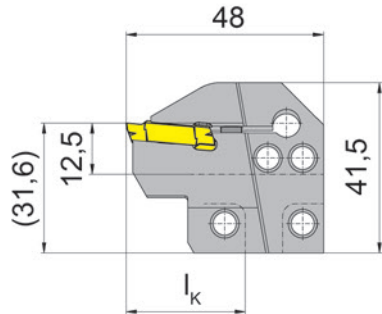
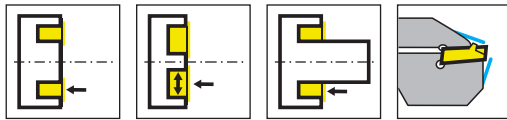
\* Schneidplattenbreite beachten  
\* Please note insert width

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

## Ersatzteile

### Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| RAK224...            | 5.13T20P                        | T20PQ                                     |



R = Rechtsausführung

R = right hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | b <sub>3</sub> | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS*   | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|----------------|---------------------|---|----------------|--------|--------|
| RAK224.3847.05.IK            | 38                 | 47                 | 14               | 15,7 | 23,7           | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RAK224.4760.05.IK            | 47                 | 60                 | 14               | 15,7 | 23,7           | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RAK224.6075.05.IK            | 60                 | 75                 | 14               | 15,7 | 23,7           | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RAK224.7590.05.IK            | 75                 | 90                 | 14               | 15,7 | 22             | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RAK224.9013.05.IK            | 90                 | 130                | 14               | 15,7 | 22             | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RAK224.1318.05.IK            | 130                | 180                | 14               | 15,7 | 21             | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RAK224.1830.05.IK            | 180                | 300                | 14               | 15,7 | 19             | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RAK224.3000.05.IK            | 300                | 1000               | 14               | 15,7 | 16,7           | 13,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RAK224.6075.06.IK            | 60                 | 75                 | 14               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220001 |
| RAK224.7590.06.IK            | 75                 | 90                 | 14               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220001 |
| RAK224.9013.06.IK            | 90                 | 130                | 14               | 15,7 | 21             | 13,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220001 |
| RAK224.1318.06.IK            | 130                | 180                | 14               | 15,7 | 21             | 13,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220001 |
| RAK224.1830.06.IK            | 180                | 300                | 14               | 15,7 | 19             | 13,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220001 |
| RAK224.3000.06.IK            | 300                | 1000               | 14               | 15,7 | 16,7           | 13,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220001 |

\* Schneidplattenbreite beachten

\* Please note insert width

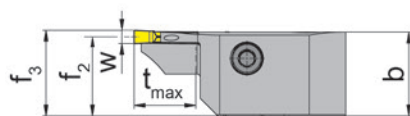
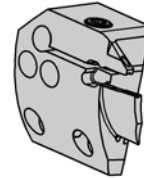
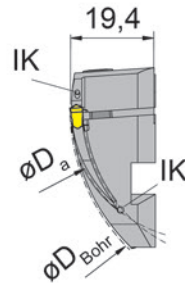
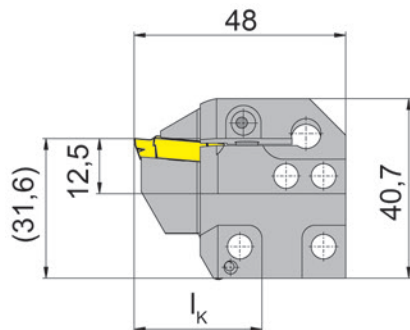
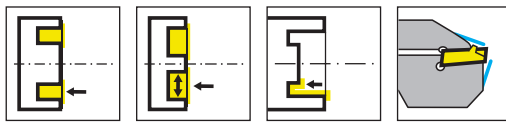
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.

The fastening screw is combined with the basic toolholder - no separate order required.

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| RAK224...            | 5.13T20P                        | T20PQ                                     |



L = Linksausführung

L = left hand version

| Bestellnummer<br>Part number | $D_{Bohr}$ | $D_{a \min}$ | $D_{a \max}$ | $t_{\max}$ | b  | $f_2$ | $f_3$     | w | $l_k$ | HWS*   | HMS    |
|------------------------------|------------|--------------|--------------|------------|----|-------|-----------|---|-------|--------|--------|
| LIK224.5060.03.IK            | 90         | 50           | 60           | 14         | 19 | 17,9  | $f_2+w/2$ | 3 | 29    | 224038 | 220002 |
| LIK224.6075.03.IK            | 90         | 60           | 75           | 14         | 19 | 17,9  | $f_2+w/2$ | 3 | 29    | 224038 | 220002 |
| LIK224.7590.03.IK            | 90         | 75           | 90           | 14         | 19 | 17,9  | $f_2+w/2$ | 3 | 29    | 224038 | 220002 |
| LIK224.9011.03.IK            | 90         | 90           | 110          | 14         | 19 | 17,9  | $f_2+w/2$ | 3 | 29    | 224038 | 220002 |
| LIK224.1113.03.IK            | 110        | 110          | 130          | 14         | 19 | 17,9  | $f_2+w/2$ | 3 | 29    | 224038 | 220002 |
| LIK224.1318.03.IK            | 130        | 130          | 180          | 14         | 19 | 17,9  | $f_2+w/2$ | 3 | 29    | 224038 | 220002 |
| LIK224.1830.03.IK            | 180        | 180          | 300          | 14         | 19 | 17,9  | $f_2+w/2$ | 3 | 29    | 224038 | 220002 |
| LIK224.3000.03.IK            | 300        | 300          | 1000         | 14         | 19 | 17,4  | $f_2+w/2$ | 3 | 29    | 224038 | 220002 |
| LIK224.3847.04.IK            | 90         | 38           | 47           | 14         | 19 | 17,4  | $f_2+w/2$ | 4 | 29    | 224048 | 220002 |
| LIK224.4760.04.IK            | 90         | 47           | 60           | 14         | 19 | 17,4  | $f_2+w/2$ | 4 | 29    | 224048 | 220002 |
| LIK224.6075.04.IK            | 90         | 60           | 75           | 14         | 19 | 17,4  | $f_2+w/2$ | 4 | 29    | 224048 | 220002 |
| LIK224.7590.04.IK            | 90         | 75           | 90           | 14         | 19 | 17,4  | $f_2+w/2$ | 4 | 29    | 224048 | 220002 |
| LIK224.9013.04.IK            | 90         | 90           | 130          | 14         | 19 | 17,4  | $f_2+w/2$ | 4 | 29    | 224048 | 220002 |
| LIK224.1318.04.IK            | 130        | 130          | 180          | 14         | 19 | 17,4  | $f_2+w/2$ | 4 | 29    | 224048 | 220002 |
| LIK224.1830.04.IK            | 180        | 180          | 300          | 14         | 19 | 17,4  | $f_2+w/2$ | 4 | 29    | 224048 | 220002 |
| LIK224.3000.04.IK            | 300        | 300          | 1000         | 14         | 19 | 17,4  | $f_2+w/2$ | 4 | 29    | 224048 | 220002 |

\* Schneidplattenbreite beachten

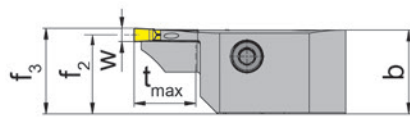
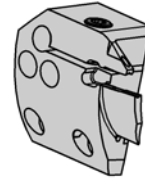
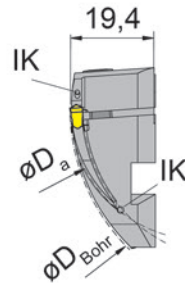
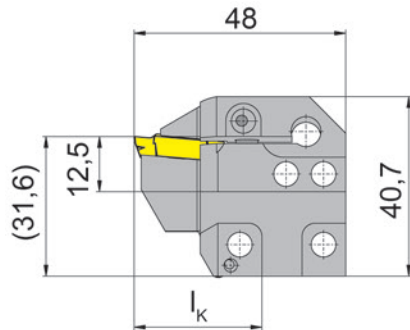
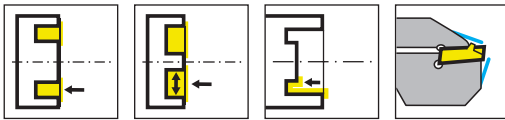
\* Please note insert width

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

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| LIK224...            | 5.13T20P                        | T20PQ                                     |



L = Linksausführung

L = left hand version

| Bestellnummer<br>Part number | D <sub>Bohr</sub> | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b     | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS*   | HMS    |
|------------------------------|-------------------|--------------------|--------------------|------------------|-------|----------------|---------------------|---|----------------|--------|--------|
| LIK224.3847.05.IK            | 90                | 38                 | 47                 | 14               | 19    | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LIK224.4760.05.IK            | 90                | 47                 | 60                 | 14               | 19    | 17,4           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LIK224.6075.05.IK            | 90                | 60                 | 75                 | 14               | 19    | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LIK224.7590.05.IK            | 90                | 75                 | 90                 | 14               | 19    | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LIK224.9013.05.IK            | 90                | 90                 | 130                | 14               | 19    | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LIK224.1318.05.IK            | 130               | 130                | 180                | 14               | 19    | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LIK224.1830.05.IK            | 180               | 180                | 300                | 14               | 19    | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LIK224.3000.05.IK            | 300               | 300                | 1000               | 14               | 18,9  | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220002 |
| LIK224.6075.06.IK            | 90                | 60                 | 75                 | 14               | 19    | 16,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220002 |
| LIK224.7590.06.IK            | 90                | 75                 | 90                 | 14               | 19    | 16,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220002 |
| LIK224.9013.06.IK            | 90                | 90                 | 130                | 14               | 19    | 16,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220002 |
| LIK224.1318.06.IK            | 130               | 130                | 180                | 14               | 19    | 16,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220002 |
| LIK224.1830.06.IK            | 180               | 180                | 300                | 14               | 19    | 16,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220002 |
| LIK224.3000.06.IK            | 300               | 300                | 1000               | 14               | 18,75 | 16,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220002 |

\* Schneidplattenbreite beachten

\* Please note insert width

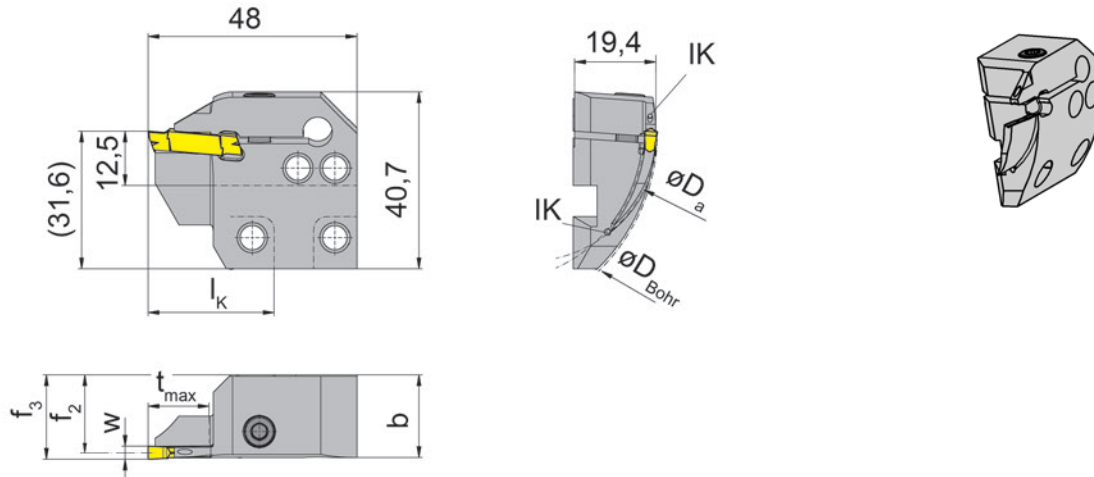
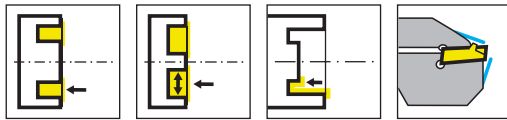
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.

The fastening screw is combined with the basic toolholder - no seperate order required.

## Ersatzteile

## Spare Parts

|                             |                                        |                                                  |
|-----------------------------|----------------------------------------|--------------------------------------------------|
| <b>Kassette</b><br>Cassette | <b>Spannschraube</b><br>Clamping Screw | <b>TORX PLUS®-Schlüssel</b><br>TORX PLUS® Wrench |
| LIK224...                   | <b>5.13T20P</b>                        | <b>T20PQ</b>                                     |



R = Rechtsausführung  
R = right hand version

| Bestellnummer<br>Part number | D <sub>Bohr</sub> | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b     | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS*   | HMS    |
|------------------------------|-------------------|--------------------|--------------------|------------------|-------|----------------|---------------------|---|----------------|--------|--------|
| RIK224.5060.03.IK            | 90                | 50                 | 60                 | 14               | 19    | 17,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RIK224.6075.03.IK            | 90                | 60                 | 75                 | 14               | 19    | 17,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RIK224.7590.03.IK            | 90                | 75                 | 90                 | 14               | 19    | 17,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RIK224.9011.03.IK            | 90                | 90                 | 110                | 14               | 19    | 17,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RIK224.1113.03.IK            | 110               | 110                | 130                | 14               | 19    | 17,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RIK224.1318.03.IK            | 130               | 130                | 180                | 14               | 19,05 | 17,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RIK224.1830.03.IK            | 180               | 180                | 300                | 14               | 19    | 17,9           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RIK224.3000.03.IK            | 300               | 300                | 1000               | 14               | 19,1  | 17,4           | f <sub>2</sub> +w/2 | 3 | 29             | 224038 | 220001 |
| RIK224.3847.04.IK            | 90                | 38                 | 47                 | 14               | 19    | 17,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RIK224.4760.04.IK            | 90                | 47                 | 60                 | 14               | 19    | 17,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RIK224.6075.04.IK            | 90                | 60                 | 75                 | 14               | 19    | 17,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RIK224.7590.04.IK            | 90                | 75                 | 90                 | 14               | 19    | 17,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RIK224.9013.04.IK            | 90                | 90                 | 130                | 14               | 19    | 17,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RIK224.1318.04.IK            | 130               | 130                | 180                | 14               | 19    | 17,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RIK224.1830.04.IK            | 180               | 180                | 300                | 14               | 19    | 17,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |
| RIK224.3000.04.IK            | 300               | 300                | 1000               | 14               | 19    | 17,4           | f <sub>2</sub> +w/2 | 4 | 29             | 224048 | 220001 |

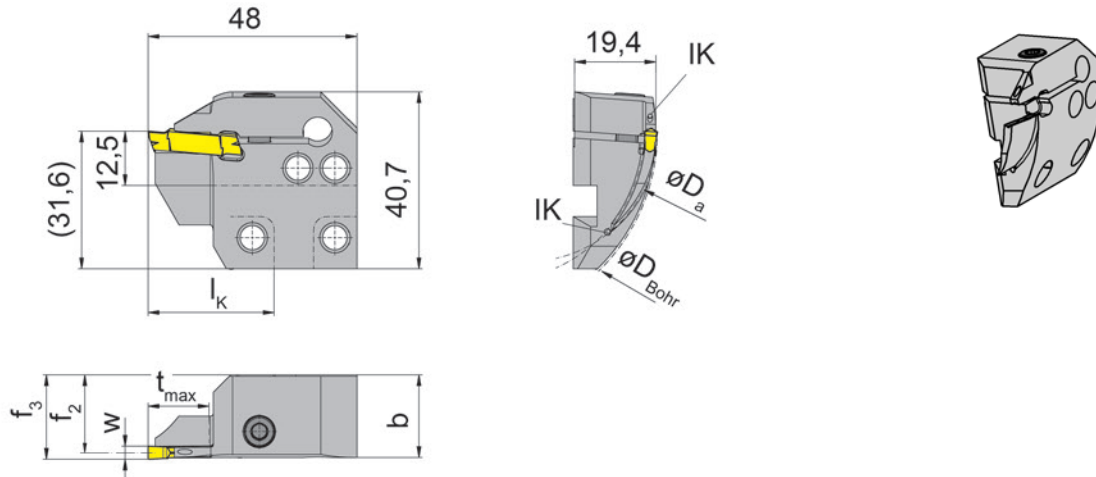
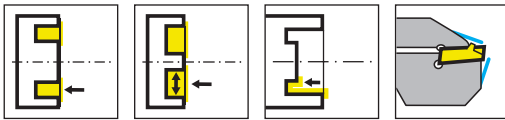
\* Schneidplattenbreite beachten  
\* Please note insert width

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

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| RIK224...            | 5.13T20P                        | T20PQ                                     |



R = Rechtsausführung

R = right hand version

| Bestellnummer<br>Part number | D <sub>Bohr</sub> | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b     | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS*   | HMS    |
|------------------------------|-------------------|--------------------|--------------------|------------------|-------|----------------|---------------------|---|----------------|--------|--------|
| RIK224.3847.05.IK            | 90                | 38                 | 47                 | 14               | 19    | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RIK224.4760.05.IK            | 90                | 47                 | 60                 | 14               | 19    | 17,4           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RIK224.6075.05.IK            | 90                | 60                 | 75                 | 14               | 19    | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RIK224.7590.05.IK            | 90                | 75                 | 90                 | 14               | 19    | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RIK224.9013.05.IK            | 90                | 90                 | 130                | 14               | 19    | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RIK224.1318.05.IK            | 130               | 130                | 180                | 14               | 19    | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RIK224.1830.05.IK            | 180               | 180                | 300                | 14               | 19    | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RIK224.3000.05.IK            | 300               | 300                | 1000               | 14               | 18,9  | 16,9           | f <sub>2</sub> +w/2 | 5 | 29             | 224058 | 220001 |
| RIK224.6075.06.IK            | 90                | 60                 | 75                 | 14               | 19    | 16,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220001 |
| RIK224.7590.06.IK            | 90                | 75                 | 90                 | 14               | 19    | 16,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220001 |
| RIK224.9013.06.IK            | 90                | 90                 | 130                | 14               | 19    | 16,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220001 |
| RIK224.1318.06.IK            | 130               | 130                | 180                | 14               | 19    | 16,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220001 |
| RIK224.1830.06.IK            | 180               | 180                | 300                | 14               | 19    | 16,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220001 |
| RIK224.3000.06.IK            | 300               | 300                | 1000               | 14               | 18,75 | 16,4           | f <sub>2</sub> +w/2 | 6 | 29             | 224068 | 220001 |

\* Schneidplattenbreite beachten

\* Please note insert width

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.

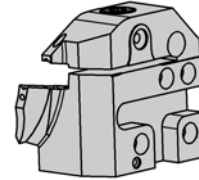
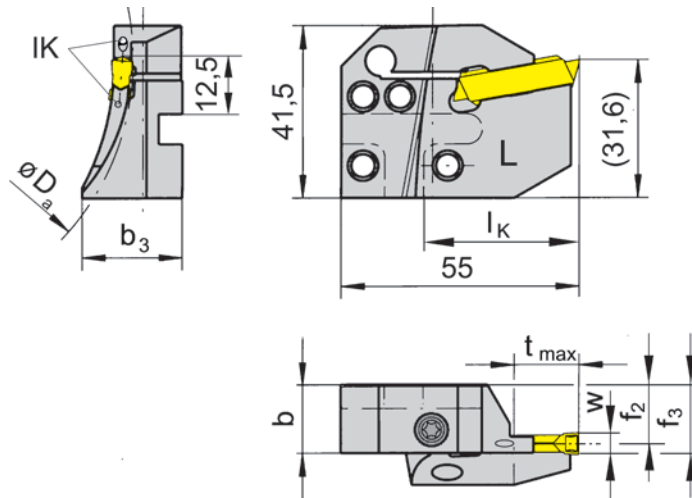
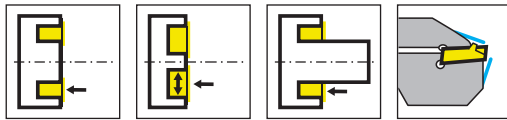
The fastening screw is combined with the basic toolholder - no separate order required.

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| RIK224...            | 5.13T20P                        | T20PQ                                     |





L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | b <sub>3</sub> | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS*            | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|----------------|---------------------|---|----------------|-----------------|--------|
| LAK220.6575.04.IK            | 65                 | 75                 | 10-15            | 15,7 | 23             | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229050 • 229051 | 220002 |
| LAK220.7595.04.IK            | 75                 | 95                 | 15-25            | 15,7 | 23             | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LAK220.9513.04.IK            | 95                 | 130                | 25               | 15,7 | 21,2           | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229050 • 229051 | 220002 |
| LAK220.1318.04.IK            | 130                | 180                | 25               | 15,7 | 21,2           | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LAK220.1830.04.IK            | 180                | 300                | 25               | 15,7 | 21,2           | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229050 • 229051 | 220002 |
| LAK220.3000.04.IK            | 300                | 1000               | 25               | 15,7 | 16,8           | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229050 • 229051 | 220002 |
| LAK220.6075.05.IK            | 60                 | 75                 | 10-17            | 15,7 | 23             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229050 • 229051 | 220002 |
| LAK220.7595.05.IK            | 75                 | 95                 | 17-25            | 15,7 | 23             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LAK220.9513.05.IK            | 95                 | 130                | 25               | 15,7 | 23             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LAK220.1318.05.IK            | 130                | 180                | 25               | 15,7 | 21,2           | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LAK220.1830.05.IK            | 180                | 300                | 25               | 15,7 | 19             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LAK220.3000.05.IK            | 300                | 1000               | 25               | 15,7 | 16,8           | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LAK220.6075.06.IK            | 60                 | 75                 | 10-17            | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229040          | 220002 |
| LAK220.7595.06.IK            | 75                 | 95                 | 17-25            | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |
| LAK220.9513.06.IK            | 95                 | 130                | 25               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229040          | 220002 |
| LAK220.1318.06.IK            | 130                | 180                | 25               | 15,7 | 21,2           | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229040          | 220002 |
| LAK220.1830.06.IK            | 180                | 300                | 25               | 15,7 | 19             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229040          | 220002 |
| LAK220.3000.06.IK            | 300                | 1000               | 25               | 15,7 | 16,8           | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229040          | 220002 |

\* Schneidplattenbreite beachten

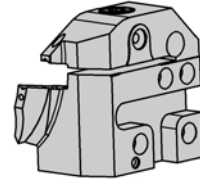
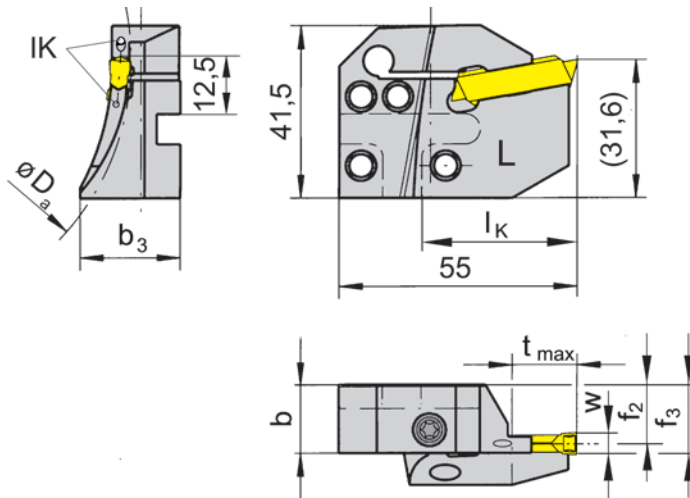
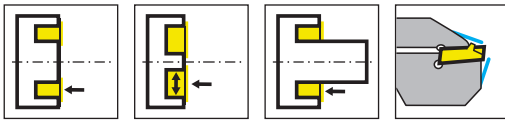
\* Please note insert width

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

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| LAK220...            | 6.23T25P                        | T25PQ                                     |



L = Linksausführung  
 L = left hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | b <sub>3</sub> | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS*            | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|----------------|---------------------|---|----------------|-----------------|--------|
| LAK220.6575.14.IK            | 65                 | 75                 | 10               | 15,7 | 23             | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LAK220.7595.14.IK            | 75                 | 95                 | 15               | 15,7 | 23             | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LAK220.9513.14.IK            | 95                 | 130                | 15               | 15,7 | 21,2           | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LAK220.1318.14.IK            | 130                | 180                | 15               | 15,7 | 21,2           | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229050 • 229051 | 220002 |
| LAK220.1830.14.IK            | 180                | 300                | 15               | 15,7 | 19             | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229050 • 229051 | 220002 |
| LAK220.6075.15.IK            | 60                 | 75                 | 10               | 15,7 | 23             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229050 • 229051 | 220002 |
| LAK220.7595.15.IK            | 75                 | 95                 | 15               | 15,7 | 23             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LAK220.9513.15.IK            | 95                 | 130                | 15               | 15,7 | 23             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LAK220.1318.15.IK            | 130                | 180                | 15               | 15,7 | 21,2           | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LAK220.1830.15.IK            | 180                | 300                | 15               | 15,7 | 19             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LAK220.6075.16.IK            | 60                 | 75                 | 10               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229040          | 220002 |
| LAK220.7595.16.IK            | 75                 | 95                 | 15               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229040          | 220002 |
| LAK220.9513.16.IK            | 95                 | 130                | 15               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |
| LAK220.1830.16.IK            | 180                | 300                | 15               | 15,7 | 19             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229040          | 220002 |
| LAK220.1318.16.IK            | 130                | 180                | 15               | 15,7 | 21,2           | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229040          | 220002 |

\* Schneidplattenbreite beachten

\* Please note insert width

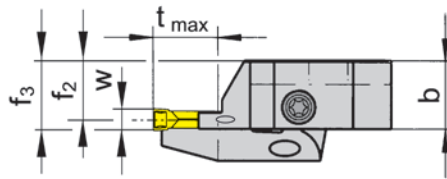
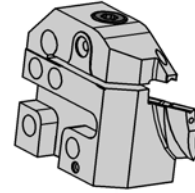
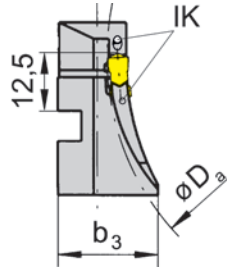
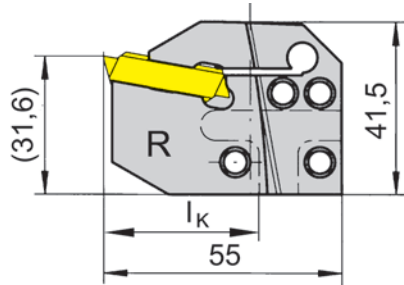
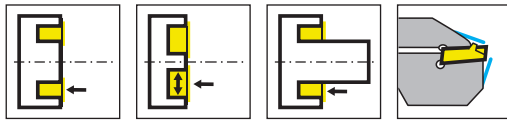
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.

The fastening screw is combined with the basic toolholder - no separate order required.

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| LAK220...            | 6.23T25P                        | T25PQ                                     |



R = Rechtsausführung  
R = right hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | b <sub>3</sub> | f <sub>2</sub> | f <sub>3</sub>      | w | L <sub>K</sub> | HWS*            | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|----------------|---------------------|---|----------------|-----------------|--------|
| RAK220.6575.04.IK            | 65                 | 75                 | 10-15            | 15,7 | 23             | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RAK220.7595.04.IK            | 75                 | 95                 | 15-25            | 15,7 | 23             | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RAK220.9513.04.IK            | 95                 | 130                | 25               | 15,7 | 21,2           | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RAK220.1318.04.IK            | 130                | 180                | 25               | 15,7 | 21,2           | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RAK220.1830.04.IK            | 180                | 300                | 25               | 15,7 | 19             | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RAK220.3000.04.IK            | 300                | 1000               | 25               | 15,7 | 16,8           | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RAK220.6075.05.IK            | 60                 | 75                 | 10-17            | 15,7 | 23             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RAK220.7595.05.IK            | 75                 | 95                 | 17-25            | 15,7 | 23             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RAK220.9513.05.IK            | 95                 | 130                | 25               | 15,7 | 23             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RAK220.1318.05.IK            | 130                | 180                | 25               | 15,7 | 21,2           | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RAK220.1830.05.IK            | 180                | 300                | 25               | 15,7 | 19             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RAK220.3000.05.IK            | 300                | 1000               | 25               | 15,7 | 16,8           | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RAK220.6075.06.IK            | 60                 | 75                 | 10-17            | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RAK220.7595.06.IK            | 75                 | 95                 | 17-25            | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RAK220.9513.06.IK            | 95                 | 130                | 25               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RAK220.1318.06.IK            | 130                | 180                | 25               | 15,7 | 21,2           | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RAK220.1830.06.IK            | 180                | 300                | 25               | 15,7 | 19             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RAK220.3000.06.IK            | 300                | 1000               | 25               | 15,7 | 16,8           | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |

\* Schneidplattenbreite beachten

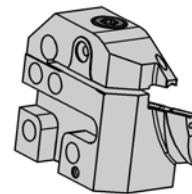
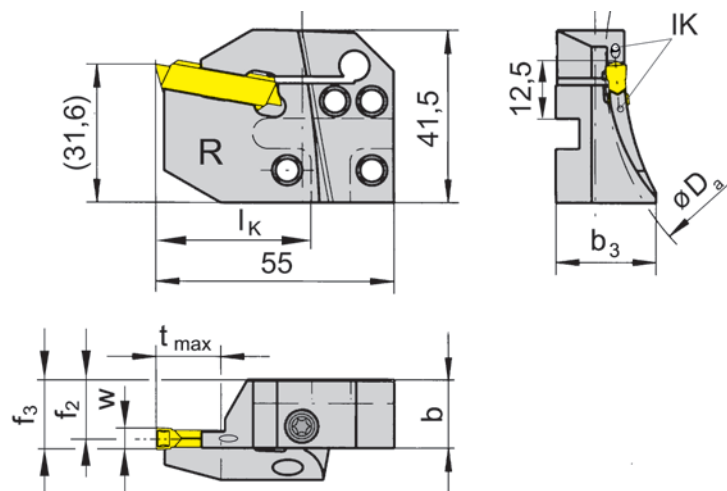
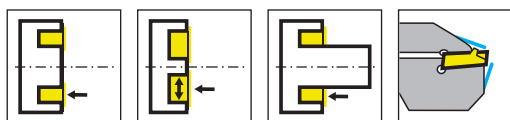
\* Please note insert width

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

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| RAK220...            | 6.23T25P                        | T25PQ                                     |



R = Rechtsausführung  
R = right hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | b <sub>3</sub> | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS*            | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|----------------|---------------------|---|----------------|-----------------|--------|
| RAK220.6575.14.IK            | 65                 | 75                 | 10               | 15,7 | 23             | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RAK220.7595.14.IK            | 75                 | 95                 | 15               | 15,7 | 23             | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RAK220.9513.14.IK            | 95                 | 130                | 15               | 15,7 | 21,2           | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RAK220.1318.14.IK            | 130                | 180                | 15               | 15,7 | 21,2           | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RAK220.1830.14.IK            | 180                | 300                | 15               | 15,7 | 19             | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RAK220.6075.15.IK            | 60                 | 75                 | 10               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RAK220.7595.15.IK            | 75                 | 95                 | 15               | 15,7 | 23             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RAK220.9513.15.IK            | 95                 | 130                | 15               | 15,7 | 23             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RAK220.1318.15.IK            | 130                | 180                | 15               | 15,7 | 21,2           | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RAK220.1830.15.IK            | 180                | 300                | 15               | 15,7 | 19             | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RAK220.6075.16.IK            | 60                 | 75                 | 10               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RAK220.7595.16.IK            | 75                 | 95                 | 15               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RAK220.9513.16.IK            | 95                 | 130                | 15               | 15,7 | 23             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RAK220.1318.16.IK            | 130                | 180                | 15               | 15,7 | 21,2           | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RAK220.1830.16.IK            | 180                | 300                | 15               | 15,7 | 19             | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |

\* Schneidplattenbreite beachten

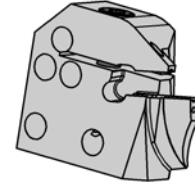
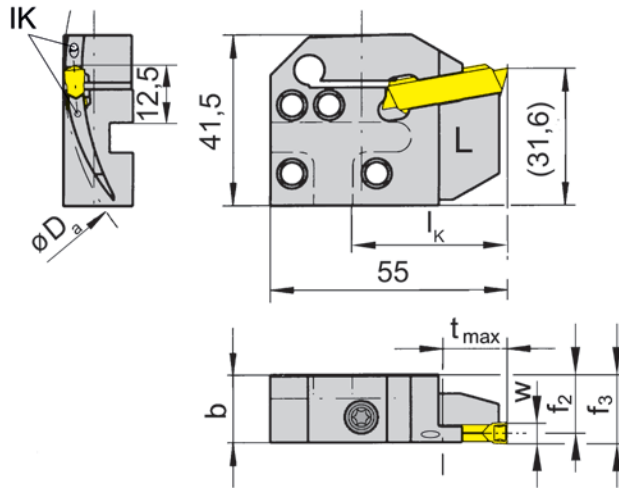
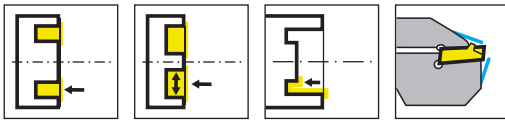
\* Please note insert width

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

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| RAK220...            | 6.23T25P                        | T25PQ                                     |



L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>k</sub> | HWS*            | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|---------------------|---|----------------|-----------------|--------|
| LIK220.6575.04.IK            | 65                 | 75                 | 10-15            | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LIK220.7595.04.IK            | 75                 | 95                 | 17-25            | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LIK220.9513.04.IK            | 95                 | 130                | 25               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LIK220.1318.04.IK            | 130                | 180                | 25               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LIK220.1830.04.IK            | 180                | 300                | 25               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LIK220.3000.04.IK            | 300                | 1000               | 25               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LIK220.6075.05.IK            | 60                 | 75                 | 10-17            | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LIK220.7595.05.IK            | 75                 | 95                 | 17-25            | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LIK220.9513.05.IK            | 95                 | 130                | 25               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LIK220.1318.05.IK            | 130                | 180                | 25               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LIK220.1830.05.IK            | 180                | 300                | 25               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LIK220.3000.05.IK            | 300                | 1000               | 25               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LIK220.6075.06.IK            | 60                 | 75                 | 10-17            | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |
| LIK220.7595.06.IK            | 75                 | 95                 | 17-25            | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |
| LIK220.9513.06.IK            | 95                 | 130                | 25               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |
| LIK220.1318.06.IK            | 130                | 180                | 25               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |
| LIK220.1830.06.IK            | 180                | 300                | 25               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |
| LIK220.3000.06.IK            | 300                | 1000               | 25               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |

\* Schneidplattenbreite beachten

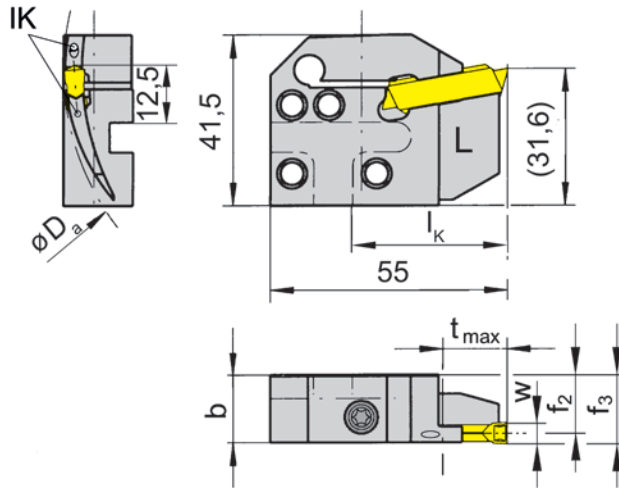
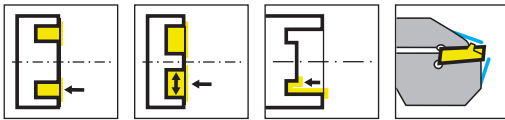
\* Please note insert width

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

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| LIK220...            | 6.23T25P                        | T25PQ                                     |



L = Linksausführung  
 L = left hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>k</sub> | HWS*            | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|---------------------|---|----------------|-----------------|--------|
| LIK220.6575.14.IK            | 65                 | 75                 | 10               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LIK220.7595.14.IK            | 75                 | 95                 | 15               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LIK220.9513.14.IK            | 95                 | 130                | 15               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LIK220.1830.14.IK            | 180                | 300                | 15               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220002 |
| LIK220.6075.15.IK            | 60                 | 75                 | 10               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LIK220.9513.15.IK            | 95                 | 130                | 15               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LIK220.1318.15.IK            | 130                | 180                | 15               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LIK220.1830.15.IK            | 180                | 300                | 15               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220002 |
| LIK220.6075.16.IK            | 130                | 180                | 10               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |
| LIK220.7595.16.IK            | 75                 | 95                 | 15               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |
| LIK220.9513.16.IK            | 95                 | 130                | 15               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |
| LIK220.1318.16.IK            | 130                | 180                | 15               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |
| LIK220.1830.16.IK            | 180                | 300                | 15               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220002 |

\* Schneidplattenbreite beachten

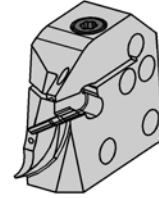
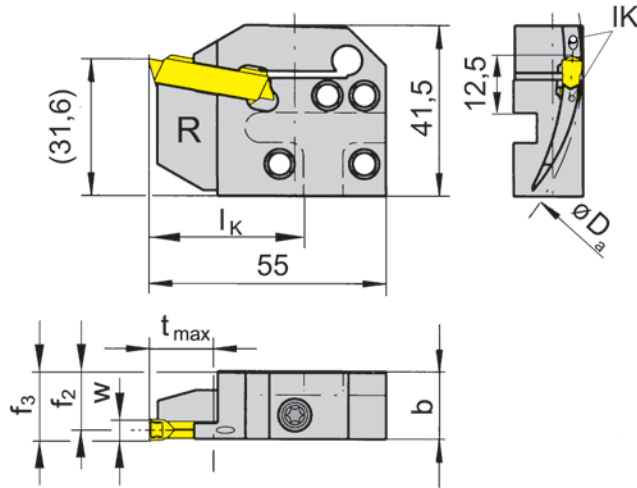
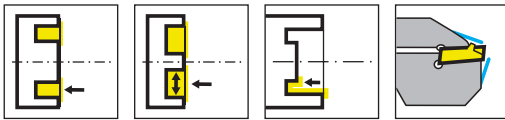
\* Please note insert width

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

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| LIK220...            | 6.23T25P                        | T25PQ                                     |



R = Rechtsausführung  
R = right hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS*            | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|---------------------|---|----------------|-----------------|--------|
| RIK220.6575.04.IK            | 65                 | 75                 | 10-15            | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RIK220.7595.04.IK            | 75                 | 95                 | 17-25            | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RIK220.9513.04.IK            | 95                 | 130                | 25               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RIK220.1318.04.IK            | 130                | 180                | 25               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RIK220.1830.04.IK            | 180                | 300                | 25               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RIK220.3000.04.IK            | 300                | 1000               | 25               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RIK220.6075.05.IK            | 60                 | 75                 | 10-17            | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RIK220.7595.05.IK            | 75                 | 95                 | 17-25            | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RIK220.9513.05.IK            | 95                 | 130                | 25               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RIK220.1318.05.IK            | 130                | 180                | 25               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RIK220.1830.05.IK            | 180                | 300                | 25               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RIK220.3000.05.IK            | 300                | 1000               | 25               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RIK220.6075.06.IK            | 60                 | 75                 | 10-17            | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RIK220.7595.06.IK            | 75                 | 95                 | 17-25            | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RIK220.9513.06.IK            | 95                 | 130                | 25               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RIK220.1318.06.IK            | 130                | 180                | 25               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RIK220.1830.06.IK            | 180                | 300                | 25               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RIK220.3000.06.IK            | 300                | 1000               | 25               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |

\* Schneidplattenbreite beachten

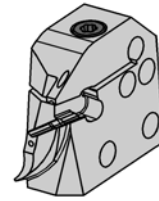
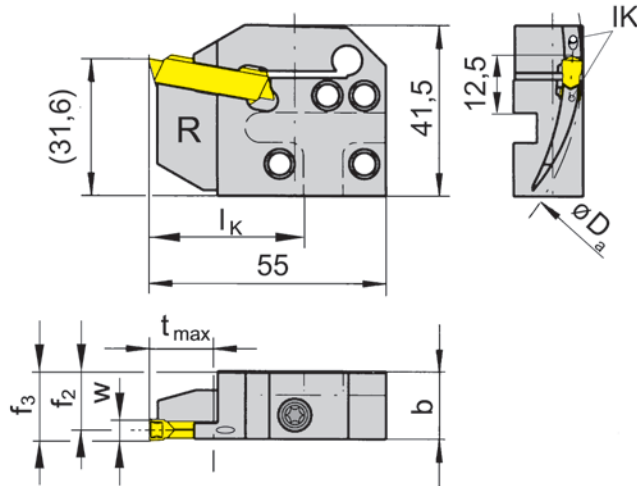
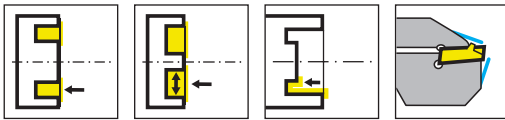
\* Please note insert width

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

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| RIK220...            | 6.23T25P                        | T25PQ                                     |



R = Rechtsausführung  
R = right hand version

| Bestellnummer<br>Part number | D <sub>a min</sub> | D <sub>a max</sub> | t <sub>max</sub> | b    | f <sub>2</sub> | f <sub>3</sub>      | w | l <sub>K</sub> | HWS*            | HMS    |
|------------------------------|--------------------|--------------------|------------------|------|----------------|---------------------|---|----------------|-----------------|--------|
| RIK220.6575.14.IK            | 65                 | 75                 | 10               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RIK220.7595.14.IK            | 75                 | 95                 | 15               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RIK220.9513.14.IK            | 95                 | 130                | 15               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RIK220.1318.14.IK            | 130                | 180                | 15               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RIK220.1830.14.IK            | 180                | 300                | 15               | 15,7 | 14,4           | f <sub>2</sub> +w/2 | 4 | 36             | 229040          | 220001 |
| RIK220.6075.15.IK            | 60                 | 75                 | 10               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RIK220.7595.15.IK            | 75                 | 95                 | 15               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RIK220.9513.15.IK            | 95                 | 130                | 15               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RIK220.1318.15.IK            | 130                | 180                | 15               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RIK220.1830.15.IK            | 180                | 300                | 15               | 15,7 | 13,9           | f <sub>2</sub> +w/2 | 5 | 36             | 229040          | 220001 |
| RIK220.6075.16.IK            | 60                 | 75                 | 10               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RIK220.7595.16.IK            | 75                 | 95                 | 15               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RIK220.9513.16.IK            | 95                 | 130                | 15               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RIK220.1318.16.IK            | 130                | 180                | 15               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |
| RIK220.1830.16.IK            | 180                | 300                | 15               | 15,7 | 13,4           | f <sub>2</sub> +w/2 | 6 | 36             | 229050 • 229051 | 220001 |

\* Schneidplattenbreite beachten

\* Please note insert width

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

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| RIK220...            | 6.23T25P                        | T25PQ                                     |



**840**



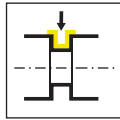
**HORN HSKT40 nach  
ISO 12164-3**

- Grundhalter
- Kassetten

**HORN HSKT40 according  
to ISO 12164-3**

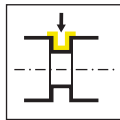
- Basic Toolholder
- Cassettes

Grundhalter  
Basic toolholder  
HSKT40

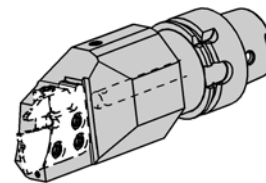
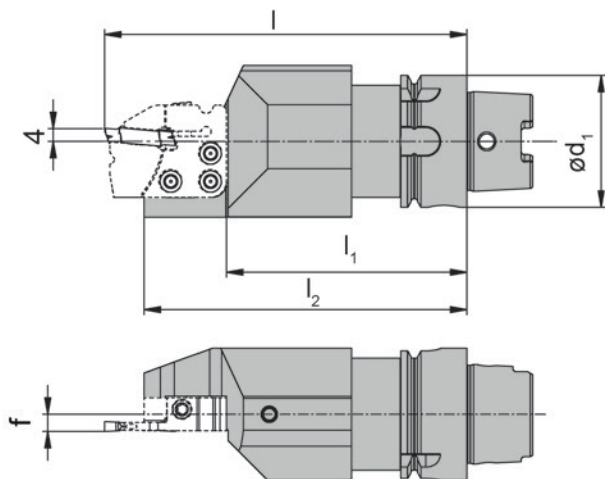
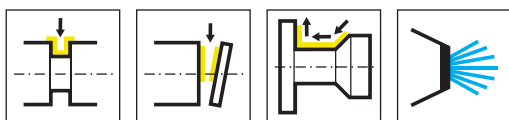


Seite/Page  
101

Kassette  
Cassette  
NK100/NK224/NK264/  
NK274/NK356/NK360/  
NK368



Seite/Page  
102-108



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | d <sub>1</sub> | l                               | l <sub>2</sub> | l <sub>1</sub> | D  | HWS    |
|------------------------------|----------------|---------------------------------|----------------|----------------|----|--------|
| <b>HSKT40.L840.110.K1.IK</b> | 40             | l <sub>1</sub> +l <sub>IK</sub> | 110            | 73             | 47 | 840002 |
| <b>HSKT40.R840.110.K1.IK</b> | 40             | l <sub>1</sub> +l <sub>IK</sub> | 110            | 73             | 47 | 840001 |

Einstellmaß f in Abhängigkeit zur Kassette  
Adjustment dimension f in relation to Cassette

Maß „IK“ entspricht „l“ bei Kassetten  
Dimension „IK“ corresponds to „l“ for cassettes

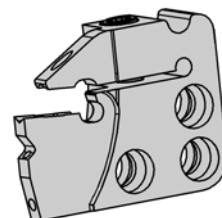
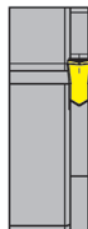
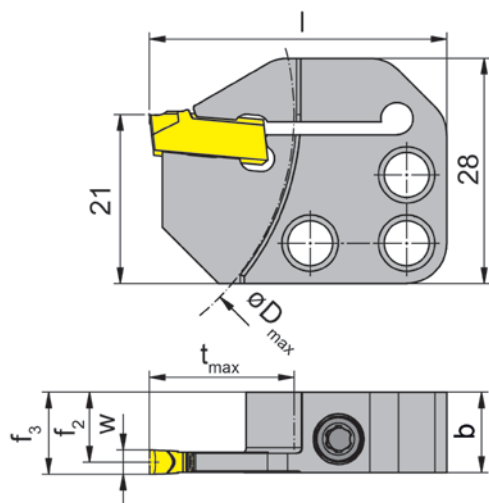
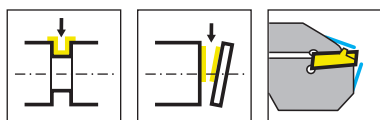
zum Einsatz auf Multi-Tasking Maschinen  
for using on multi-tasking machines

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Kugelspritzdüse<br>Coolant spray nozzle | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|-----------------------------------------|---------------------------------|-------------------------------------------|
| HSKT40...                       | 020.0806.3116                           | 5.18T20P                        | T20PQ                                     |

B



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b  | f <sub>2</sub> | f <sub>3</sub>       | D <sub>max</sub> | l  | HWS    | HMS    |
|------------------------------|------------------|----|----------------|----------------------|------------------|----|--------|--------|
| RNK100.0840.1.4.03.IK        | 18               | 10 | 8,7            | f <sub>2</sub> + w/2 | 65               | 37 | 100038 | 840001 |
| RNK100.0840.1.4.04.IK        | 18               | 10 | 8,2            | f <sub>2</sub> + w/2 | 65               | 37 | 100048 | 840001 |
| RNK100.0840.3.4.02.IK        | 25               | 10 | 9              | f <sub>2</sub> + w/2 | 65               | 44 | 100028 | 840001 |
| RNK100.0840.3.4.03.IK        | 25               | 10 | 8,7            | f <sub>2</sub> + w/2 | 65               | 44 | 100038 | 840001 |
| RNK100.0840.1.01             | 18               | 10 | 9,2            | f <sub>2</sub> + w/2 | 65               | 37 | 100018 | 840001 |
| RNK100.0840.1.02             | 18               | 10 | 9              | f <sub>2</sub> + w/2 | 65               | 37 | 100028 | 840001 |
| RNK100.0840.1.03             | 18               | 10 | 8,7            | f <sub>2</sub> + w/2 | 65               | 37 | 100038 | 840001 |
| RNK100.0840.1.04             | 18               | 10 | 8,2            | f <sub>2</sub> + w/2 | 65               | 37 | 100048 | 840001 |
| RNK100.0840.1.05             | 18               | 10 | 7,7            | f <sub>2</sub> + w/2 | 65               | 37 | 100048 | 840001 |
| RNK100.0840.3.02             | 25               | 10 | 9              | f <sub>2</sub> + w/2 | 65               | 44 | 100028 | 840001 |
| RNK100.0840.3.03             | 25               | 10 | 8,7            | f <sub>2</sub> + w/2 | 65               | 44 | 100038 | 840001 |
| LNK100.0840.1.4.03.IK        | 18               | 10 | 8,7            | f <sub>2</sub> + w/2 | 65               | 37 | 100038 | 840002 |
| LNK100.0840.1.4.04.IK        | 18               | 10 | 8,2            | f <sub>2</sub> + w/2 | 65               | 37 | 100048 | 840002 |
| LNK100.0840.3.4.02.IK        | 25               | 10 | 9              | f <sub>2</sub> + w/2 | 65               | 44 | 100028 | 840002 |
| LNK100.0840.1.01             | 18               | 10 | 9,2            | f <sub>2</sub> + w/2 | 65               | 37 | 100018 | 840002 |
| LNK100.0840.1.02             | 18               | 10 | 9              | f <sub>2</sub> + w/2 | 65               | 37 | 100028 | 840002 |
| LNK100.0840.1.03             | 18               | 10 | 8,7            | f <sub>2</sub> + w/2 | 65               | 37 | 100038 | 840002 |
| LNK100.0840.1.04             | 18               | 10 | 8,2            | f <sub>2</sub> + w/2 | 65               | 37 | 100048 | 840002 |
| LNK100.0840.1.05             | 18               | 10 | 7,7            | f <sub>2</sub> + w/2 | 65               | 37 | 100048 | 840002 |
| LNK100.0840.3.02             | 25               | 10 | 9              | f <sub>2</sub> + w/2 | 65               | 44 | 100028 | 840002 |
| LNK100.0840.3.03             | 25               | 10 | 8,7            | f <sub>2</sub> + w/2 | 65               | 44 | 100038 | 840002 |

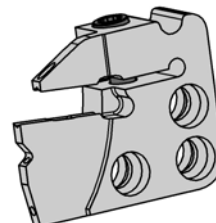
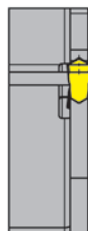
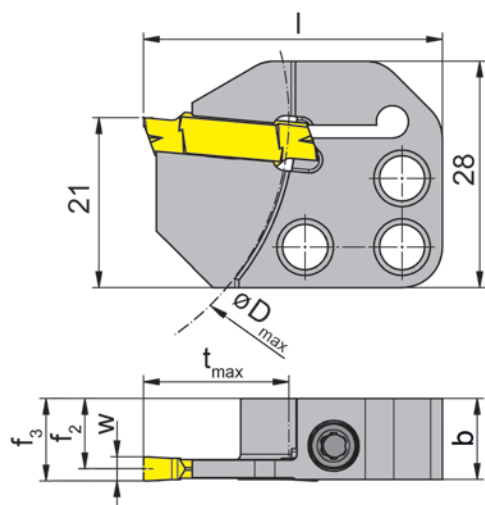
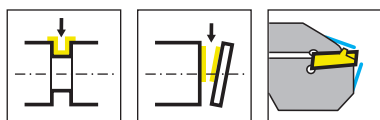
w siehe Schneidplatten  
w see inserts

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

### Ersatzteile

#### Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK100.0840...     | 4.20T15P                        | T15PQ                                     |
| RNK100.0840.1.03     | 4.15T15P                        | T15PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b  | f <sub>2</sub> | f <sub>3</sub>      | D <sub>max</sub> | l  | HWS    | HMS    |
|------------------------------|------------------|----|----------------|---------------------|------------------|----|--------|--------|
| RNK224.0840.1.4.02.IK        | 18               | 10 | 8,95           | f <sub>2</sub> +w/2 | 65               | 37 | 224028 | 840001 |
| RNK224.0840.1.4.03.IK        | 18               | 10 | 8,7            | f <sub>2</sub> +w/2 | 65               | 37 | 224038 | 840001 |
| RNK224.0840.1.4.04.IK        | 18               | 10 | 8,2            | f <sub>2</sub> +w/2 | 65               | 37 | 224048 | 840001 |
| RNK224.0840.1.01             | 18               | 10 | 9,2            | f <sub>2</sub> +w/2 | 65               | 37 | 224018 | 840001 |
| RNK224.0840.1.02             | 18               | 10 | 8,95           | f <sub>2</sub> +w/2 | 65               | 37 | 224028 | 840001 |
| RNK224.0840.1.03             | 18               | 10 | 8,7            | f <sub>2</sub> +w/2 | 65               | 37 | 224038 | 840001 |
| RNK224.0840.1.04             | 18               | 10 | 8,2            | f <sub>2</sub> +w/2 | 65               | 37 | 224048 | 840001 |
| RNK224.0840.1.05             | 18               | 10 | 7,7            | f <sub>2</sub> +w/2 | 65               | 37 | 224058 | 840001 |
| RNK224.0840.1.06             | 18               | 10 | 7,2            | f <sub>2</sub> +w/2 | 65               | 37 | 224068 | 840001 |
| LNK224.0840.1.4.02.IK        | 18               | 10 | 8,95           | f <sub>2</sub> +w/2 | 65               | 37 | 224028 | 840002 |
| LNK224.0840.1.4.03.IK        | 18               | 10 | 8,7            | f <sub>2</sub> +w/2 | 65               | 37 | 224038 | 840002 |
| LNK224.0840.1.4.04.IK        | 18               | 10 | 8,2            | f <sub>2</sub> +w/2 | 65               | 37 | 224048 | 840002 |
| LNK224.0840.1.01             | 18               | 10 | 9,2            | f <sub>2</sub> +w/2 | 65               | 37 | 224018 | 840002 |
| LNK224.0840.1.02             | 18               | 10 | 8,95           | f <sub>2</sub> +w/2 | 65               | 37 | 224028 | 840002 |
| LNK224.0840.1.03             | 18               | 10 | 8,7            | f <sub>2</sub> +w/2 | 65               | 37 | 224038 | 840002 |
| LNK224.0840.1.05             | 18               | 10 | 7,7            | f <sub>2</sub> +w/2 | 65               | 37 | 224058 | 840002 |
| LNK224.0840.1.06             | 18               | 10 | 7,2            | f <sub>2</sub> +w/2 | 65               | 37 | 224068 | 840002 |

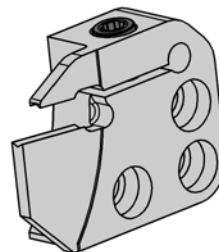
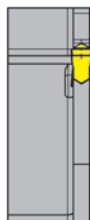
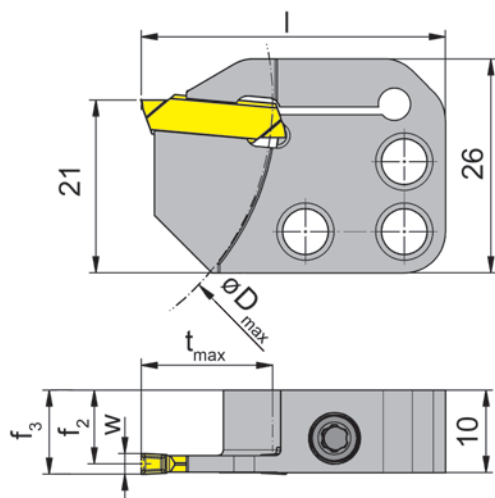
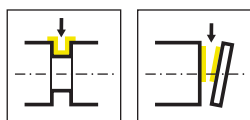
w siehe Schneidplatten  
w see inserts

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

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK224...          | 4.20T15P                        | T15PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $t_{\max}$ | $f_2$ | $f_3$       | $D_{\max}$ | $l$ | HWS   | HMS    |
|------------------------------|------------|-------|-------------|------------|-----|-------|--------|
| <b>RNK264.0840.1.01</b>      | 13         | 10,2  | $f_2 + w/2$ | 65         | 37  | 26401 | 840001 |
| <b>RNK264.0840.1.02</b>      | 16         | 10,2  | $f_2 + w/2$ | 65         | 37  | 26402 | 840001 |
| <b>RNK264.0840.1.03</b>      | 16         | 10,2  | $f_2 + w/2$ | 65         | 37  | 26403 | 840001 |
| <b>RNK264.0840.1.04</b>      | 16         | 10,2  | $f_2 + w/2$ | 65         | 37  | 26404 | 840001 |
| <b>LNK264.0840.1.01</b>      | 13         | 10,2  | $f_2 + w/2$ | 65         | 37  | 26401 | 840002 |
| <b>LNK264.0840.1.02</b>      | 16         | 10,2  | $f_2 + w/2$ | 65         | 37  | 26402 | 840002 |
| <b>LNK264.0840.1.03</b>      | 16         | 10,2  | $f_2 + w/2$ | 65         | 37  | 26403 | 840002 |
| <b>LNK264.0840.1.04</b>      | 16         | 10,2  | $f_2 + w/2$ | 65         | 37  | 26404 | 840002 |

w siehe WSP

w see indexable inserts

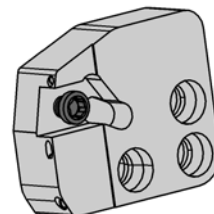
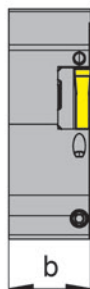
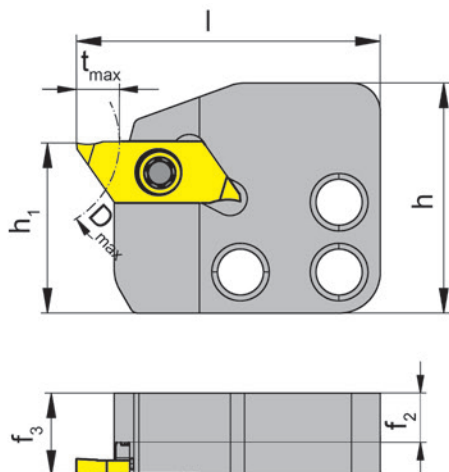
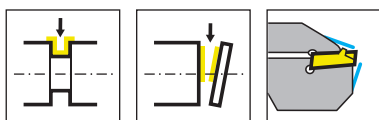
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.

The fastening screw is combined with the basic toolholder - no separate order required.

## Ersatzteile

## Spare Parts

|                             |                                        |                                                  |
|-----------------------------|----------------------------------------|--------------------------------------------------|
| <b>Kassette</b><br>Cassette | <b>Spannschraube</b><br>Clamping Screw | <b>TORX PLUS®-Schlüssel</b><br>TORX PLUS® Wrench |
| R/LNK264...                 | <b>4.20T15P</b>                        | <b>T15PQ</b>                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b  | f <sub>3</sub>    | f <sub>2</sub> | D <sub>max</sub> | l  | h  | h <sub>1</sub> | HWS     | HMS             |
|------------------------------|------------------|----|-------------------|----------------|------------------|----|----|----------------|---------|-----------------|
| <b>RNK274.0840.1.4.04.IK</b> | 6                | 10 | f <sub>2</sub> +w | 6              | 25               | 37 | 28 | 20,7           | 274040R | 840001 • 840002 |
| <b>RNK274.0840.1.04</b>      | 6                | 10 | f <sub>2</sub> +w | 6              | 25               | 37 | 21 | 21             | 274040R | 840001 • 840002 |
| <b>LNK274.0840.1.04</b>      | 6                | 10 | f <sub>2</sub> +w | 6              | 25               | 37 | 21 | 21             | 274040L | 840002 • 840001 |

w siehe WSP  
w see indexable inserts

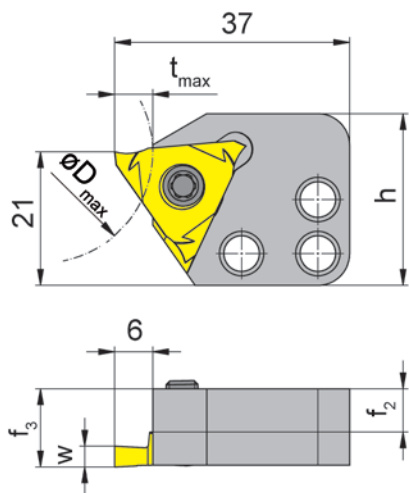
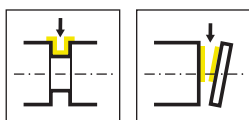
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.  
The fastening screw is combined with the basic toolholder - no separate order required.

## Ersatzteile

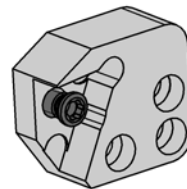
Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| RNK274...            | <b>030.3509.T15P</b>            | <b>T15PQ</b>                              |

B



RNK...05/07



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | b  | f <sub>3</sub>    | f <sub>2</sub> | D <sub>max</sub> | l  | h    | HWS    | HMS    |
|------------------------------|------------------|----|-------------------|----------------|------------------|----|------|--------|--------|
| <b>RNK356.0840.1.05</b>      | 5                | 12 | f <sub>2</sub> +w | 6,8            | -                | 37 | 27   | 31505L | 840001 |
| <b>RNK356.0840.1.07</b>      | 5                | 13 | f <sub>2</sub> +w | 6              | -                | 37 | 27   | 31507L | 840001 |
| <b>RNK356.0840.1.16</b>      | 5                | 12 | f <sub>2</sub> +w | 6              | 35               | 37 | 23,4 | 31506L | 840001 |
| <b>LNK356.0840.1.05</b>      | 5                | 12 | f <sub>2</sub> +w | 6,8            | -                | 37 | 27   | 31505R | 840002 |
| <b>LNK356.0840.1.07</b>      | 5                | 13 | f <sub>2</sub> +w | 6              | -                | 37 | 27   | 31507R | 840002 |
| <b>LNK356.0840.1.16</b>      | 5                | 12 | f <sub>2</sub> +w | 6              | 35               | 37 | 23,4 | 31506R | 840002 |

w siehe WSP  
w see indexable inserts

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

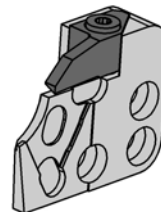
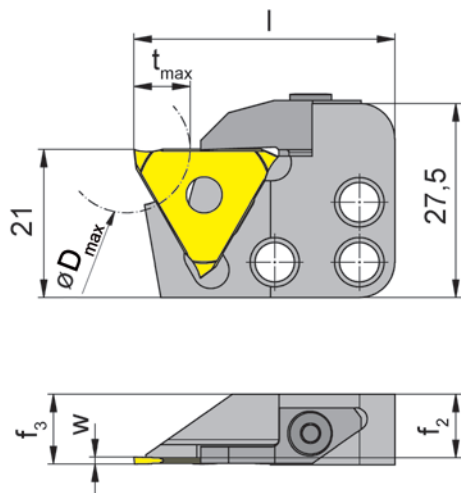
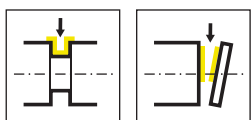
## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK356...          | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |







R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | f <sub>3</sub>    | f <sub>2</sub> | D <sub>max</sub> | l  | Spannbereich<br>Clamping range | HWS    | HMS    |
|------------------------------|------------------|-------------------|----------------|------------------|----|--------------------------------|--------|--------|
| <b>RNK368.0840.1.08</b>      | 8                | f <sub>2</sub> +w | 9              | 18               | 37 | 0,5-1,2                        | 31208N | 840001 |
| <b>RNK368.0840.1.11</b>      | 8                | f <sub>2</sub> +w | 8,7            | 18               | 37 | 1,2-1,5                        | 31211N | 840001 |
| <b>LNK368.0840.1.08</b>      | 8                | f <sub>2</sub> +w | 9              | 18               | 37 | 0,5-1,2                        | 31208N | 840002 |
| <b>LNK368.0840.1.11</b>      | 8                | f <sub>2</sub> +w | 8,7            | 18               | 37 | 1,2-1,5                        | 31211N | 840002 |

w siehe WSP  
w see indexable inserts

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

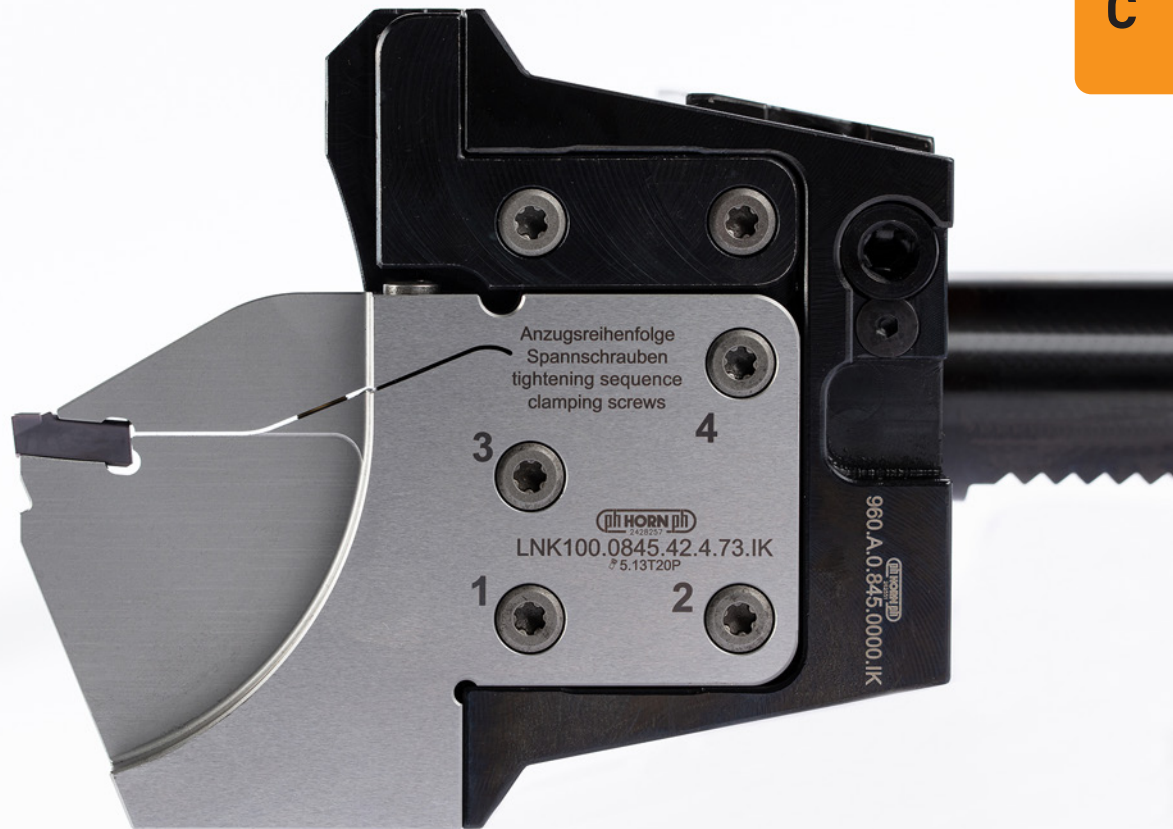
## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannelement<br>Clamping element | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|----------------------------------|-------------------------------------------|
| LNK368.0840.1...     | <b>010.0312.0482</b>             | <b>T10PL</b>                              |
| RNK368.0840.1...     | <b>010.0004.0427</b>             | <b>T10PL</b>                              |

**960**

**C**



**Modulares Stechsystem  
mit Innenkühlung**

- Grundhalter
- Stechhaltestücke

**Modular grooving system  
with internal cooling**

- Basic Toolholder
- Grooving Toolholder

# Einstecken (außen)

Grooving (external)



C

Grundhalter

Basic toolholder

960.BMT/960.MAZ/

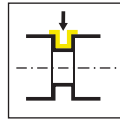
960.VDI/960.HSKT

77/C3/C5/C6/C8

HSKT63/HSKT100/

HSKT40/VDI/TR

842/845



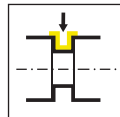
Seite/Page

115-116, 118-119, 124,  
127, 132, 136-142, 144-  
145, 148-149

Stechhaltestück

Grooving toolholder

960/991/990/940



Seite/Page

120, 122, 125,  
128, 133, 146

Finden Sie den richtigen Grundhalter für Ihre Maschine:  
Find the right basic toolholder for your machine:

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### HORN Tool Select (HTS)

**HORN-Grundhalter für  
Abstechsystem 960**



**Gewindewirbeln  
mit HORN-Werkzeugen**



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[horn-group.com/uk/produkte/horn-tool-select](https://horn-group.com/uk/produkte/horn-tool-select)

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### HORN Tool Select (HTS)

**HORN base holder for system 960**

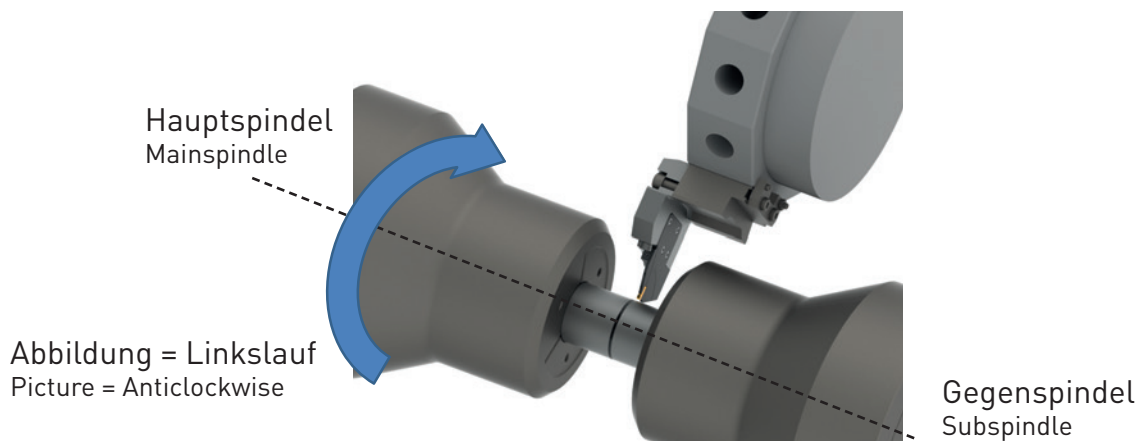


**Whirling System Selection Tool**

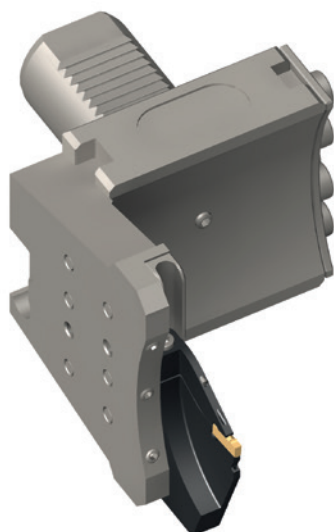


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C



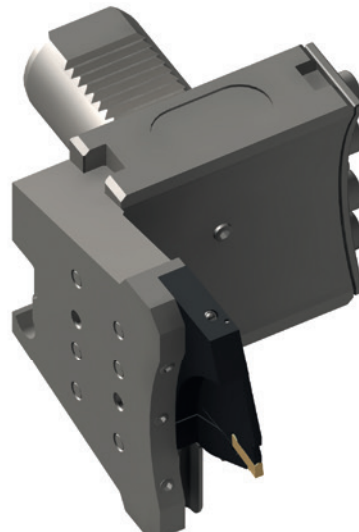
Abstechen an der Gegenspindel im  
**Linkslauf**  
Parting off on the subspindle in  
**anti-clockwise rotation**



Stechhaltestück  
Grooving toolholder  
960.I.0.845...

Kassette  
Cassette  
RNK100.0845...

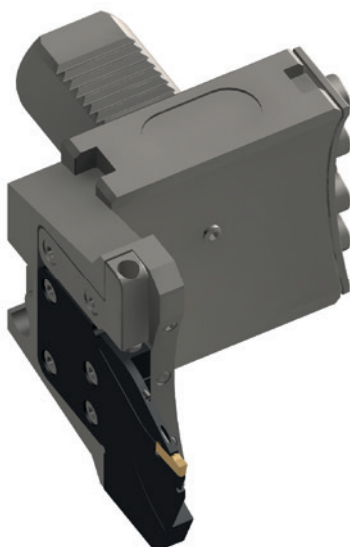
Abstechen an der Gegenspindel im  
**Rechtslauf**  
Parting off on the subspindle in  
**clockwise rotation**



Stechhaltestück  
Grooving toolholder  
960.I.0.845...

Kassette  
Cassette  
LNK100.0845...

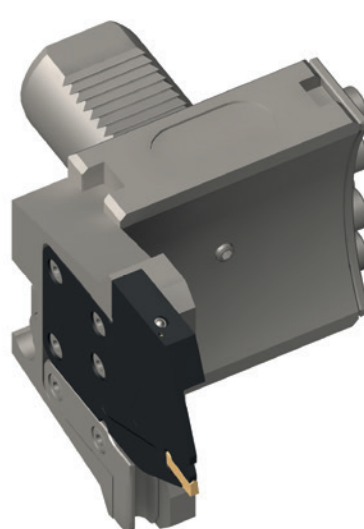
Abstechen an der Hauptspindel im  
**Linkslauf**  
Parting off on the main spindle in  
**anti-clockwise rotation**



Stechhaltestück  
Grooving toolholder  
960.A.0.845...

Kassette  
Cassette  
LNK100.0845...

Abstechen an der Hauptspindel im  
**Rechtslauf**  
Parting off on the main spindle in  
**clockwise rotation**



Stechhaltestück  
Grooving toolholder  
960.A.0.845...

Kassette  
Cassette  
RNK100.0845...

|                                                                                                                                                                                     |                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Grundhalter</b><br>Basic toolholder                                                                                                                                              |                                                                                           |
| BMT-Größe festlegen<br>Select size BMT                                                                                                                                              | BMT40                                                                                     |
| Auswahl Grundhalter<br>Select basis toolholder                                                                                                                                      | 960.BMT40.C0.00101                                                                        |
| Maß notieren<br>Notice dimension                                                                                                                                                    | $l_2 = 9 \text{ mm}$                                                                      |
| <b>Stechhalterstück</b><br>Grooving toolholder                                                                                                                                      |                                                                                           |
| Außenliegende Kassette<br>External cassette                                                                                                                                         | 960.A....                                                                                 |
| Innenliegende Kassette (höhere Bauform)<br>Internal cassette (higher construction)                                                                                                  | 960.I....                                                                                 |
| Auswahl Stechhalterstück<br>Select grooving toolholder                                                                                                                              | 960.I.0.845.0003.IK                                                                       |
| <b>Ermittlung der Referenzlänge, Maß notieren</b><br>Determining the reference length, Notice dimension                                                                             |                                                                                           |
| Grundhalter 960.BMT40... ( $l_2 = 9 \text{ mm}$ )<br>Stechhalterstück 960.I...0003 ( $l_2 = 80,5 \text{ mm}$ )<br>Basic toolholder 960.BMT40...<br>Grooving toolholder 960.I...0003 | $l_g = l_2 9 \text{ mm} + l_2 80,5 \text{ mm} = 89,5 \text{ mm}$<br>$f = 66,8 \text{ mm}$ |
| <b>Kassette</b><br>Cassette                                                                                                                                                         |                                                                                           |
| Vorgaben<br>Dimensions                                                                                                                                                              | Stangen-Ø 65 mm, Breite 3 mm<br>bar diameter 65 mm, width 3 mm                            |
| Auswahl Kassette<br>Select cassette                                                                                                                                                 | LNK100.0845.34.4.73.IK                                                                    |
| Maß notieren<br>Notice dimension                                                                                                                                                    | $l_k = 46 \text{ mm}$                                                                     |

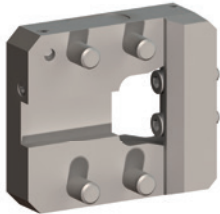
| <b>Berechnung Gesamthöhe Halter</b><br>Calculation of total height for toolholder | <b>Werkzeugdaten</b><br>Tool data                          |                       |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------|
| $l_g 89,5 \text{ mm} + l_k 46 \text{ mm} = 135,5 \text{ mm}$                      | x                                                          | z                     |
|                                                                                   | $r = 135,5 \text{ mm}$<br>$\varnothing = 271,0 \text{ mm}$ | $f = 66,8 \text{ mm}$ |
|                                                                                   |                                                            |                       |

|                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Berechnung Umlaufdurchmesser Spannmittel</b><br>Calculation of swing diameter clamping device                                                                                                                           |
| $135,5 \text{ mm} - l_1 (27 \text{ mm}) = 108,5 \text{ mm}$ ergibt einen Umlaufdurchmesser von max. 217 mm<br>$135,5 \text{ mm} - l_1 (27 \text{ mm}) = 108,5 \text{ mm}$ results in a maximum circular diameter of 217 mm |

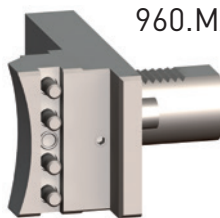
**Sternrevolver**  
Star turrets

**Scheibenrevolver**  
Turrets

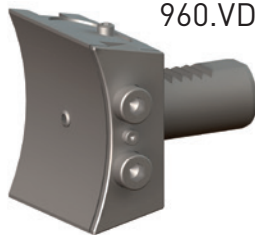
C



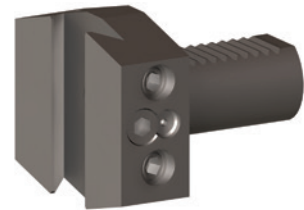
960.BMT...



960.MAZ...



960.VDI..C...



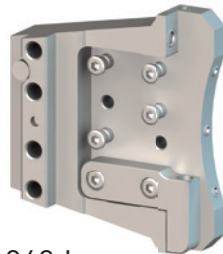
960.VDI.30.B...

960.VDI.50.B...

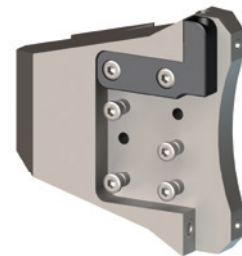
960.VDI.40.B...



960.A...



960.I...



960.Q.0.845.0000.IK

960.Q.0.845.0001.IK



RNK100.0842...

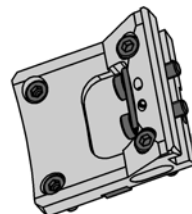
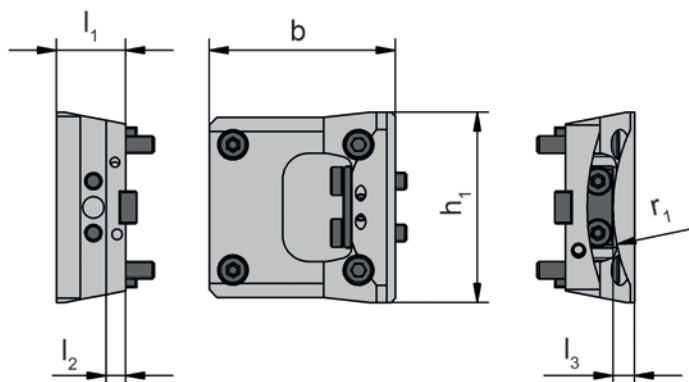
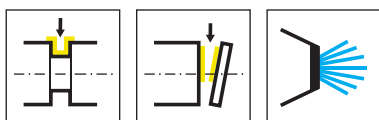
RNK100.0845...



LNK100.0842..

LNK100.0845...

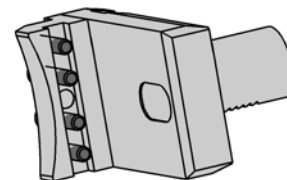
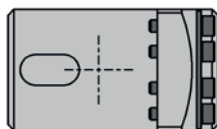
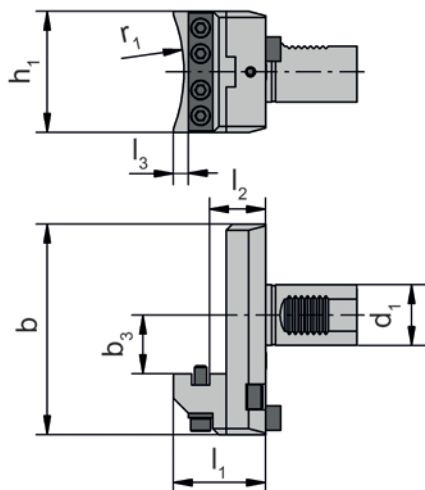
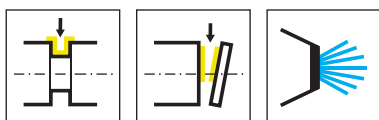




**C**

| Bestellnummer<br>Part number | $l_3$ | $l_2$ | $h_1$ | $b$   | $r_1$ | $l_1$ | HWS  |
|------------------------------|-------|-------|-------|-------|-------|-------|------|
| 960.BMT00.C0.00601           | -     | -42   | 95    | 110   | -     | 20    | SZ40 |
| 960.BMT00.C0.00701           | 7     | 34    | 80    | 102   | 88    | 58    | FN12 |
| 960.BMT00.C0.00901           | 7     | 57    | 78    | 139   | 105   | 81    | FN12 |
| 960.BMT00.C0.01101           | 17,5  | -38,5 | 114   | 130   | 51    | 20    | SZ40 |
| 960.BMT00.C0.01301           | -     | 19    | 108   | 135   | -     | 42    | FN12 |
| 960.BMT00.C0.01601           | -     | -24   | 102   | 120   | -     | 30    | SZ40 |
| 960.BMT00.C0.01701           | 8     | 9,5   | 90    | 78    | 73,5  | 32    | FN12 |
| 960.BMT32.C0.00101           | -     | 1     | 100   | 112,5 | -     | 25    | FN12 |
| 960.BMT38.C0.00101           | 7     | 9     | 75    | 86    | 83    | 32    | FN12 |
| 960.BMT40.C0.00101           | 5     | 9     | 82    | 120   | 88    | 32    | FN12 |
| 960.BMT42.C0.00101           | 7     | 9     | 80    | 68    | 70    | 32    | FN12 |
| 960.BMT45.C0.00101           | 10    | 9     | 75    | 83    | 85    | 32    | FN12 |
| 960.BMT45.C0.00201           | 8     | 9     | 74    | 100,5 | 85    | 30    | FN12 |
| 960.BMT55.C0.00101           | 8     | 9     | 84    | 84    | 83    | 30    | FN12 |
| 960.BMT55.C0.00201           | 10    | 9     | 84    | 104   | 105,5 | 32    | FN12 |
| 960.BMT55.C0.00301           | 9     | 9     | 92    | 104   | 86    | 32    | FN12 |
| 960.BMT55.C0.00401           | 10    | 9     | 84    | 94,5  | 85    | 32    | FN12 |
| 960.BMT60.C0.00101           | 4     | 9     | 108   | 133   | 87    | 32    | FN12 |
| 960.BMT65.C0.00101           | 8     | 9     | 91    | 99    | 83    | 30    | FN12 |
| 960.BMT65.C0.00201           | 10    | 9     | 99    | 106   | 83    | 32    | FN12 |
| 960.BMT65.C0.00301           | 9     | 13    | 96    | 109   | 127,5 | 36    | FN12 |
| 960.BMT68.C0.00101           | 7     | 26    | 86    | 137   | 76    | 48    | FN12 |
| 960.BMT75.C0.00101           | 11    | 19    | 112   | 132,5 | 127,5 | 45    | FN12 |
| 960.BMT80.C0.00101           | 7     | 10    | 96    | 120   | 88    | 33    | FN12 |
| 960.BMT80.C0.00201           | -     | 26    | 96    | 174,5 | -     | 48    | FN12 |

Finden Sie den richtigen Grundhalter: [horn-group.com/de/produkte/horn-tool-select](http://horn-group.com/de/produkte/horn-tool-select)  
Find the right basic toolholder: [horn-group.com/de/produkte/horn-tool-select](http://horn-group.com/de/produkte/horn-tool-select)



| Bestellnummer<br>Part number | $l_3$ | $l_2$ | $h_1$ | $b_3$ | $b$ | $r_1$ | $l_1$ | $d_1$ | HWS  |
|------------------------------|-------|-------|-------|-------|-----|-------|-------|-------|------|
| 960.MAZ40.C0.00101           | 7     | 37    | 76    | 60    | 139 | 105   | 61    | 40    | FN12 |
| 960.MAZ40.C0.00201           | 7     | 37    | 78    | 60    | 139 | 105   | 61    | 40    | FN12 |
| 960.MAZ40.C0.00301           | 6     | 34    | 78    | 63    | 142 | 88    | 58    | 40    | FN12 |
| 960.MAZ40.C0.00401           | 6     | 34    | 78    | 63    | 142 | 88    | 58    | 40    | FN12 |
| 960.MAZ50.C0.00101           | 6     | 52    | 96    | 60    | 140 | 100   | 77    | 50    | FN12 |
| 960.MAZ00.C0.00101           | 7     | 37    | 80    | 38,75 | 139 | 105   | 61    | 40    | FN12 |
| 960.MAZ00.C0.00201           | 7     | 37    | 78    | 60    | 139 | 105   | 61    | 40    | FN12 |

Finden Sie den richtigen Grundhalter: [horn-group.com/de/produkte/horn-tool-select](http://horn-group.com/de/produkte/horn-tool-select)  
Find the right basic toolholder: [horn-group.com/de/produkte/horn-tool-select](http://horn-group.com/de/produkte/horn-tool-select)

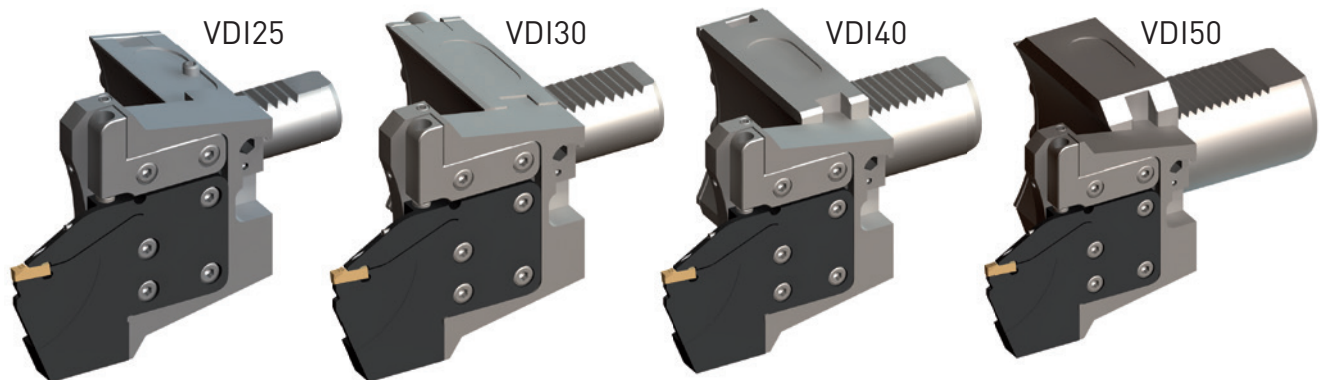
# Übersicht 845 Kassetten + VDI Grundhalter

Overview of cassettes 845 + basic toolholder VDI



VDI-Halter für alle Größen – 1 Stechhaltestück für alle Größen

1 Grooving toolholder fits all basic VDI toolholders



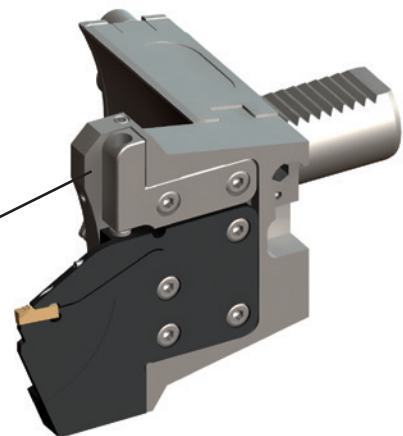
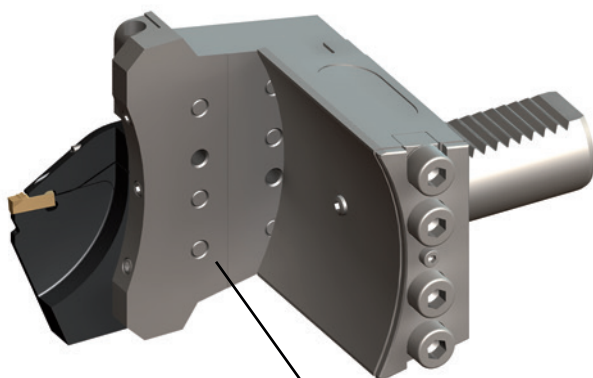
C

1 Grundhalter + 1 Stechhaltestück = 4 Möglichkeiten des Zusammenbaus

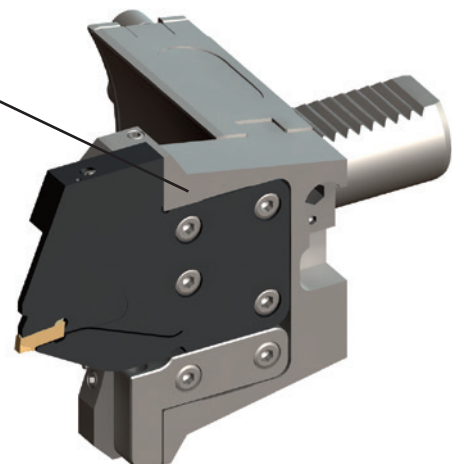
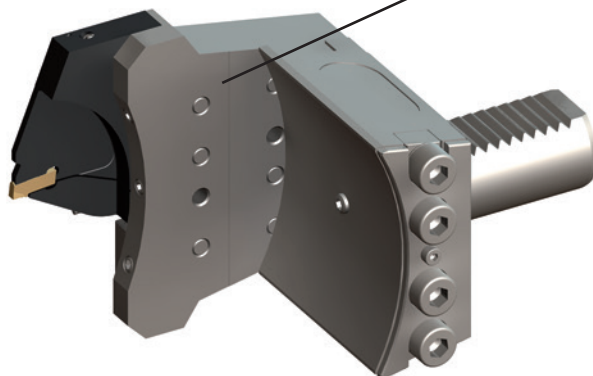
1 Basic toolholder + 1 Grooving toolholder = 4 possibilities of assembling

Links – Normallage  
Left – normal position

Rechts – Normallage  
Right – normal position

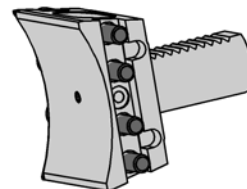
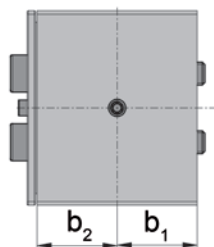
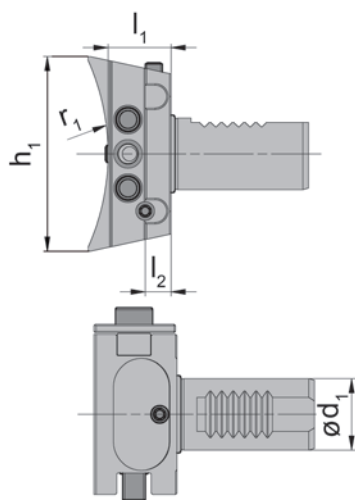
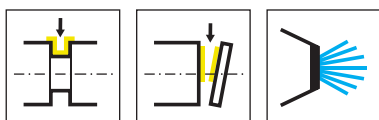


Identisches Stechhaltestück  
Identical grooving toolholder



Links – Überkopf  
Left – overhead position

Rechts – Überkopf  
Right – overhead position



| Bestellnummer<br>Part number | $l_1$ | $l_2$ | $h_1$ | $b_2$ | $b_1$ | $r_1$ | $d_1$ | HWS  | HMS   |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| <b>960.VDI25.C0.00101</b>    | 23    | 9     | 68    | 28    | 28    | 80    | 25    | FN12 | VDI25 |
| <b>960.VDI30.C0.00101</b>    | 23    | 9     | 76    | 34    | 34    | 80    | 30    | FN12 | VDI30 |
| <b>960.VDI40.C0.00101</b>    | 23    | 9     | 84    | 40    | 40    | 80    | 40    | FN12 | VDI40 |
| <b>960.VDI50.C0.00101</b>    | 24    | 11    | 98    | 40    | 40    | 80    | 50    | FN12 | VDI50 |

Grundhalter 960.VDI25.C0... für Stechhaltestück 960.A.0.842... und 960.I.0.0842... verwenden.

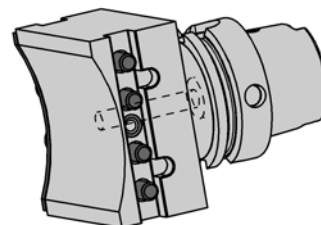
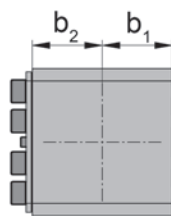
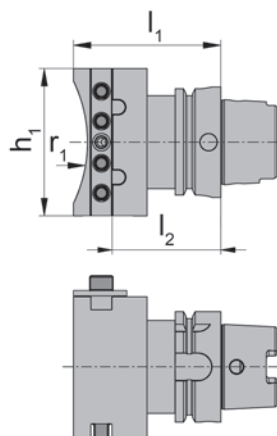
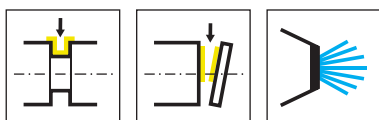
Bei Verwendung von Stechhaltestücken 960.A.0.845... und 960.I.0.0845... **Störkontur beachten!**

Basic holder 960.VDI25.C0... for grooving toolholder 960.A.0.842... and 960.I.0.0842...

When using grooving toolholder 960.A.0.845... and 960.I.0.0845... observe interference contour!

für Stechhaltestücke 960.A... und 960.I...

for grooving toolholder 960.A... and 960.I...

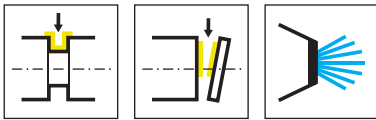


**C**

| Bestellnummer<br>Part number | $l_1$ | $l_2$ | $h_1$ | $b_2$ | $b_1$ | $b_3$ | $r_1$ | $d_1$ | HWS  |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| <b>960.HSKT63.C0.00101</b>   | 76    | 62    | 84    | 40    | 40    | 62    | 80    | 63    | FN12 |

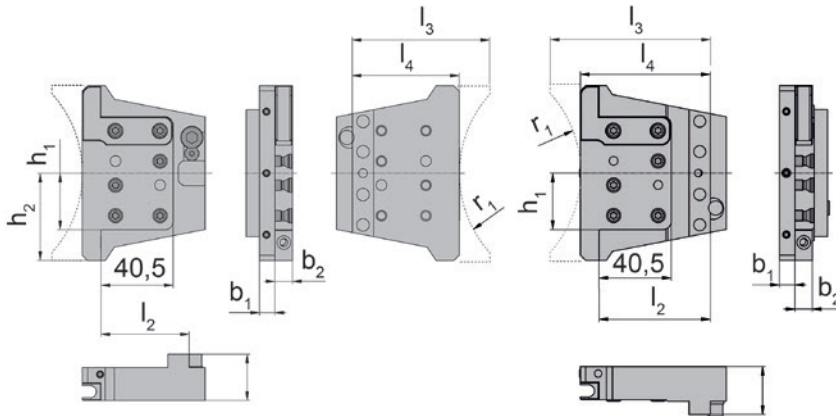
für Stechhaltestücke 960.A... und 960.I...  
for grooving toolholder 960.A... and 960.I...

Bei Verwendung von Stechhaltestücken 960.A.0.845... und 960.I.0.0845... **Störkontur beachten!**  
When using grooving toolholder 960.A.0.845... and 960.I.0.0845... observe interference contour!



960.A...

960.I...



960.A... = außenliegende Kassette  
960.A... = cassettes external

960.I... = innenliegende Kassette (13 mm höhere Bauform)  
960.I... = cassettes internal (13 mm higher construction)

| Bestellnummer<br>Part number | $l_2$ | $l_3$ | $l_4$ | $h_1$ | $h_2$ | $r_1$ | $b_1$ | $b_2$ | HWS             | HMS  |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|------|
| 960.A.0.842.0000.IK          | 45,5  | 55    | 49,5  | 21    | 36,5  | 70    | 8,7   | 10,2  | 842001 • 842002 | FN12 |
| 960.I.0.842.0001.IK          | 58,5  | 68    | 62,5  | 21    | 36,5  | 70    | 8,7   | 10,8  | 842001 • 842002 | FN12 |
| 960.A.0.845.0000.IK          | 49,5  | 66    | 60    | 31,65 | 49    | -     | 8,6   | 9,8   | 845001 • 845002 | FN12 |
| 960.A.0.845.0002.IK          | 67,5  | -     | 78    | 31,65 | 49    | -     | 8,7   | 9,8   | 845001 • 845002 | FN12 |
| 960.A.0.845.0004.IK          | 85    | -     | 95,5  | 31,65 | 49    | -     | 8,7   | 9,8   | 845001 • 845002 | FN12 |
| 960.A.0.845.0008.IK          | 105   | -     | 115,5 | 31,65 | 49    | -     | 8,7   | 9,8   | 845001 • 845002 | FN12 |
| 960.A.0.845.0010.IK          | 31,6  | -     | 42,1  | 31,65 | 49    | -     | 12,7  | 9,8   | 845001 • 845002 | FN12 |
| 960.I.0.845.0001.IK          | 62,5  | -     | 73    | 31,65 | 49    | -     | 8,7   | 10,8  | 845001 • 845002 | FN12 |
| 960.I.0.845.0003.IK          | 80,5  | -     | 91    | 31,65 | 49    | -     | 8,7   | 10,8  | 845001 • 845002 | FN12 |
| 960.I.0.845.0008.IK          | 62,5  | -     | 73    | 31,65 | 49    | -     | 7,4   | 10,8  | 845001 • 845002 | FN12 |
| 960.I.0.845.0009.IK          | 85    | -     | 95,5  | 31,65 | 49    | -     | 8,7   | 10,8  | 845001 • 845002 | FN12 |
| 960.I.0.845.0010.IK          | 123   | -     | 133,5 | 31,65 | 49    | -     | 8,7   | 10,8  | 845001 • 845002 | FN12 |

## 960.I.0.845.0008.IK:

Kein Überkopf möglich

## 960.I.0.845.0008.IK:

No overhead position possible

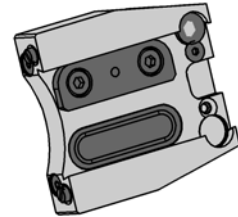
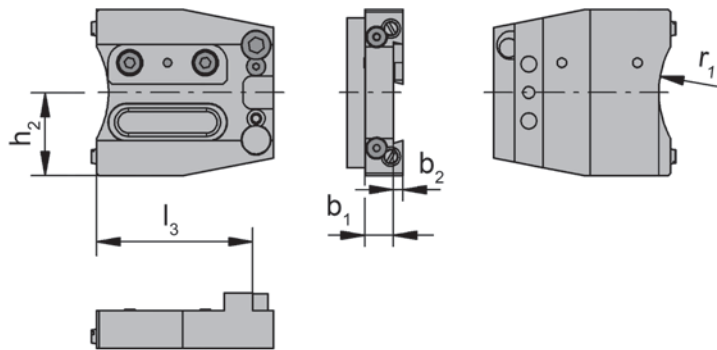
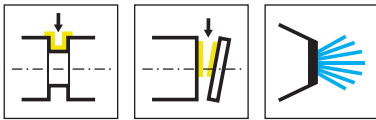
Stechhaltestücke sind jeweils für rechte und linke Kassetten verwendbar.

Grooving toolholder can be used with right and left hand cassettes.

## Ersatzteile

Spare Parts

| Stechhaltestück<br>Grooving toolholder | Abdeckleiste<br>Cover strip | Exzenterbolzen<br>Eccentric bolt | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------------------------|-----------------------------|----------------------------------|---------------------------------|-------------------------------------------|
| 960...842...                           | 020.5033.4782               | 020.1208.4783                    | 5.18T20P                        | T20PQ                                     |
| 960...845...                           | 020.5033.4782               | 020.1208.4783                    | 6.18T20P                        | T20PQ                                     |



960.A... = außenliegende Kassette  
960.A... = cassettes external

960.I... = innenliegende Kassette (13 mm höhere Bauform)  
960.I... = cassettes internal (13 mm higher construction)

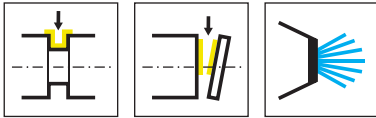
| Bestellnummer<br>Part number | $l_3$ | $h_2$ | $r_1$ | $b_1$ | $b_2$ | HMS  |
|------------------------------|-------|-------|-------|-------|-------|------|
| 960.A.0.26.0000.IK           | 66    | 35    | 40    | 12    | 4,5   | FN12 |
| 960.A.0.32.0000.IK           | 71    | 40    | 40    | 12    | 5,5   | FN12 |

Für Stechschwerter mit Bauhöhe 26 mm oder 32 mm  
For blades with total height 26 mm or 32 mm

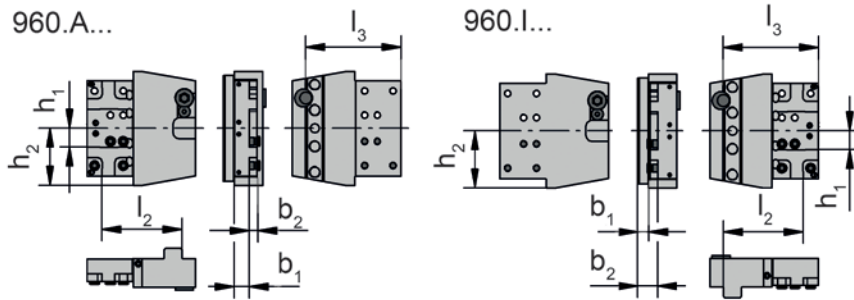
## Ersatzteile

Spare Parts

| Stechhaltestück<br>Grooving toolholder | Exzenterbolzen<br>Eccentric bolt |
|----------------------------------------|----------------------------------|
| 960.A.0.32.0000.IK                     | 020.1208.4783                    |



C



960.A... = außenliegende Kassette  
960.A... = cassettes external

960.I... = innenliegende Kassette (13 mm höhere Bauform)  
960.I... = cassettes internal (13 mm higher construction)

| Bestellnummer<br>Part number | $l_2$ | $l_3$ | $h_1$ | $h_2$ | $b_1$ | $b_2$ | HWS    | HMS  |
|------------------------------|-------|-------|-------|-------|-------|-------|--------|------|
| <b>960.A.0220.0001.IK</b>    | 53    | 63    | 12,5  | 37,75 | 10    | 8,8   | 220002 | FN12 |
| <b>960.I.0220.0001.IK</b>    | 53    | 63    | 12,5  | 37,75 | 6     | 12,8  | 220001 | FN12 |

Für Kassette mit Schnittstelle 220  
For Cassettes with interface 220

## Ersatzteile

Spare Parts

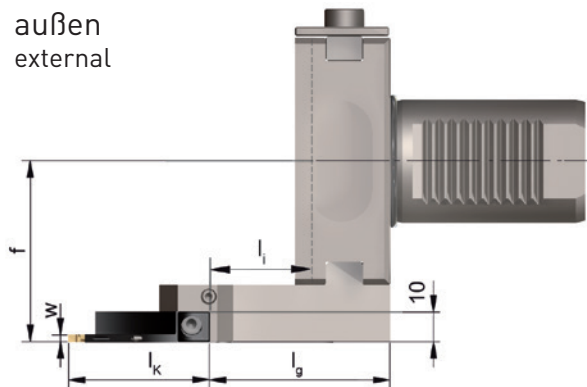
| Stechhaltestück<br>Grooving toolholder | Spannschraube<br>Clamping Screw | Exzenterbolzen<br>Eccentric bolt | Schraube<br>Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------------------------|---------------------------------|----------------------------------|-------------------|-------------------------------------------|
| 960...                                 | <b>5.12T20P</b>                 | <b>020.1208.4783</b>             | <b>4.08.10642</b> | <b>T20PQ</b>                              |



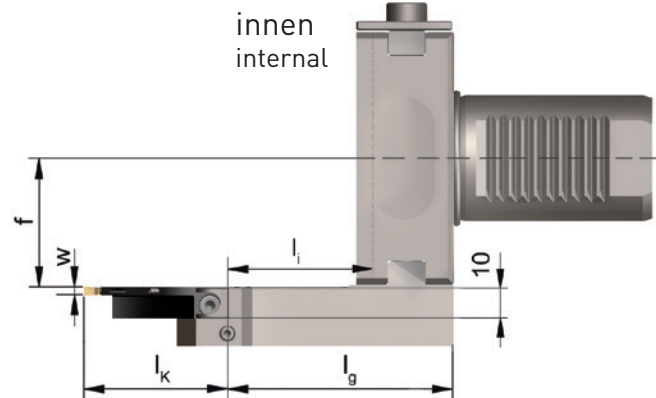
# Ermittlung der Referenzlänge

## Determining the reference length

außen  
external



innen  
internal



$$l_K \text{ (Kassettenmaß)} + l_g \text{ (l}_2 \text{ Stechhaltestück + l}_2 \text{ Grundhalter)}$$

$$l_K \text{ (Length of cassette)} + l_g \text{ (l}_2 \text{ Grooving toolholder + l}_2 \text{ Basic toolholder)}$$

Abbildung VDI  
Picture VDI

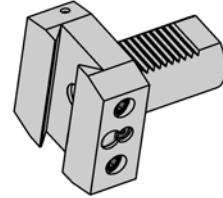
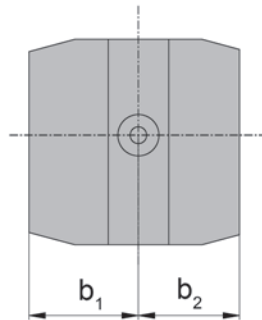
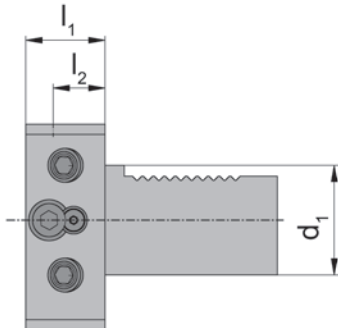
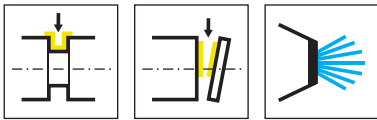
### Grundlegende Hinweise

Bitte max. Schwenkkreis-Ø des Maschinenherstellers beachten.  
Umlauf-Ø von Spannfutter zum Abstechhalter prüfen.

### Basic Recommendations

Please note the max. swing circle Ø of the machine manufacturers.  
Check rotation Ø of the chuck to the toolholder.

Berechnung siehe "Ermittlung der Werkzeugdaten" am Kapitelanfang  
For calculation please see „Determining data tool“ at the beginning of the chapter



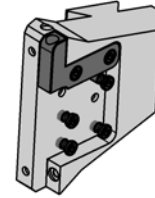
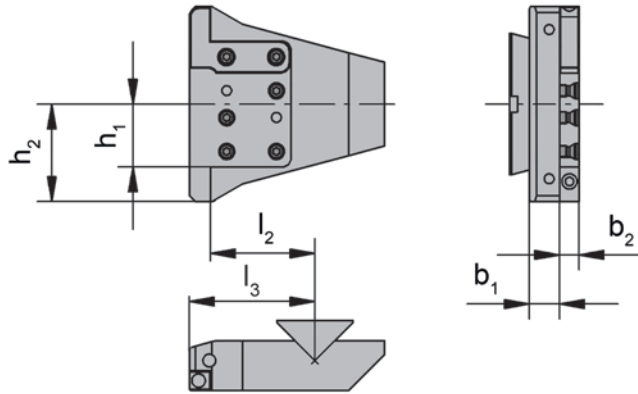
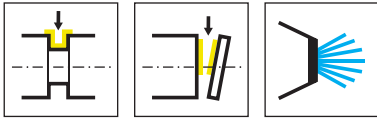
| Bestellnummer<br>Part number | $l_2$ | $b_2$ | $b_1$ | $l_1$ | $d_1$ | HWS  | HMS   |
|------------------------------|-------|-------|-------|-------|-------|------|-------|
| <b>960.VDI30.B0.00101</b>    | 16    | 35    | 35    | 26    | 30    | SZ40 | VDI30 |
| <b>960.VDI40.B0.00101</b>    | 19    | 37    | 37    | 29    | 40    | SZ40 | VDI40 |
| <b>960.VDI50.B0.00101</b>    | 19    | 50    | 50    | 29    | 50    | SZ60 | VDI50 |

**Grundhalter 960.VDI30...und 960.VDI40... für Stechhaltestück 960.Q.0.845.0000.IK (SZ40)**

**Grundhalter 960.VDI50... für Stechhaltestück 960.Q.0.845.0001.IK (SZ60)**

Basic toolholder 960.VDI30... and 960.VDI40... for grooving toolholder 960.Q.0.845.0000.IK (SZ40)

Basic toolholder 960.VDI50... for grooving toolholder 960.Q.0.845.0001.IK (SZ60)



| Bestellnummer<br>Part number | $l_2$ | $l_3$ | $h_1$ | $h_2$ | $r_1$ | $b_1$ | $b_2$ | HWS             | HMS  |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-----------------|------|
| <b>960.Q.0.845.0000.IK</b>   | 52,5  | 69    | 31,65 | 49    | 85    | 15,2  | 9,8   | 845001 • 845002 | SZ40 |
| <b>960.Q.0.845.0001.IK</b>   | 35,5  | 50    | 31,65 | 49    | 85    | 15,2  | 9,8   | 845001 • 845002 | SZ60 |

Stechhaltestücke sind jeweils für rechte und linke Kassetten verwendbar.  
Grooving toolholder can be used with right and left hand cassettes.

**Grundhalter 960.VDI30...und 960.VDI40... für Stechhaltestück 960.Q.0.845.0000.IK (SZ40)**

**Grundhalter 960.VDI50... für Stechhaltestück 960.Q.0.845.0001.IK (SZ60)**

Basic toolholder 960.VDI30... and 960.VDI40... for grooving toolholder 960.Q.0.845.0000.IK (SZ40)

Basic toolholder 960.VDI50... for grooving toolholder 960.Q.0.845.0001.IK (SZ60)

## Ersatzteile

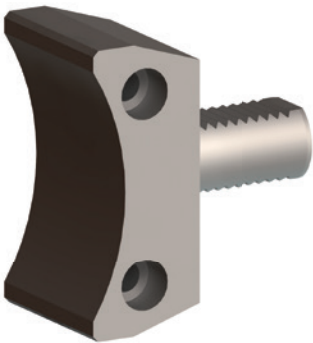
Spare Parts

| Stechhaltestück<br>Grooving toolholder | Spannschraube<br>Clamping Screw |
|----------------------------------------|---------------------------------|
| 960.Q.0.845.0000.IK                    | 6.18T20P                        |



TNC 42/65

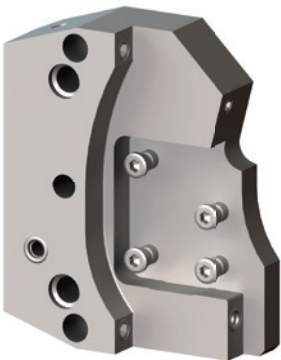
C



10965470



R/L991.X842...R.IK



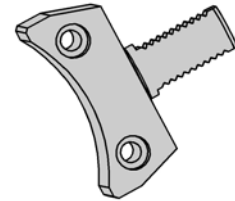
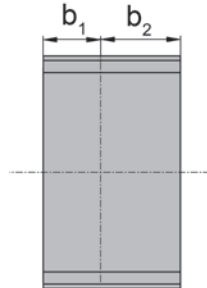
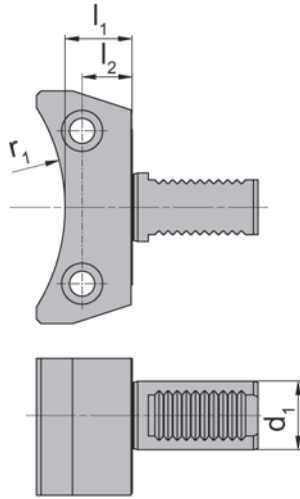
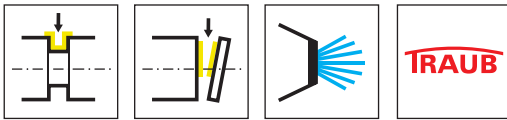
R/L991.X842...L.IK



RNK...0842...



LNK...0842...



| Bestellnummer<br>Part number | $l_2$ | $b_2$ | $b_1$ | $l_1$ | $r_1$ | $d_1$ | Maschinentyp<br>Machine type   |
|------------------------------|-------|-------|-------|-------|-------|-------|--------------------------------|
| <b>10965470</b>              | 22    | 35    | 25    | 29,5  | 82,5  | 30    | TRAUB TNC 42/65 - 10 Stationen |

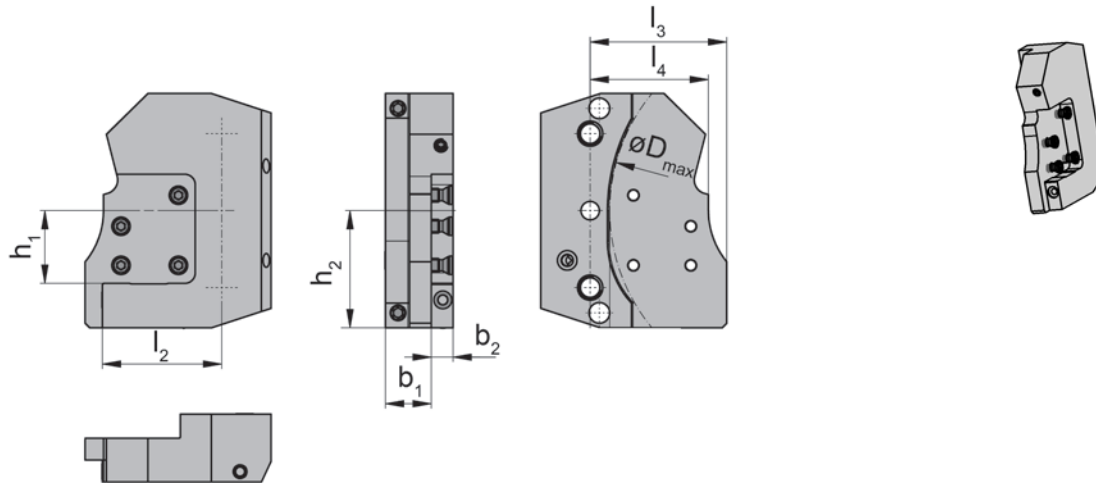
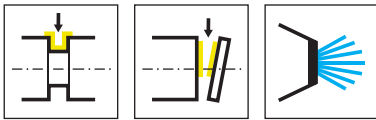


Abbildung = R...R  
Picture = R...R

L...L = spiegelbildlich  
L...L = left hand version

| Bestellnummer<br>Part number | $l_2$ | $l_3$ | $l_4$ | $h_1$ | $h_2$ | $b_1$ | $b_2$ | $D_{max}$ | HWS             | HMS         |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-----------|-----------------|-------------|
| <b>R991.X842.73102.L.IK</b>  | 50    | 57,5  | 49,5  | 21    | 51    | 20    | 9,8   | 160       | 842001 • 842002 | Index Traub |
| <b>R991.X842.73102.R.IK</b>  | 50    | 57,5  | 49,5  | 21    | 51    | 20,3  | 9,8   | 160       | 842001 • 842002 | Index Traub |
| <b>L991.X842.73102.L.IK</b>  | 50    | 57,5  | 49,5  | 21    | 51    | 20    | 9,8   | 160       | 842001 • 842002 | Index Traub |
| <b>L991.X842.73102.R.IK</b>  | 50    | 57,5  | 49,5  | 21    | 51    | 20,3  | 9,8   | 160       | 842001 • 842002 | Index Traub |

Stechhaltestücke sind jeweils für rechte und linke Kassetten verwendbar.  
Grooving toolholder can be used with right and left hand cassettes.

### Empfehlung:

Stechhaltestücke ...L.IK für linke Kassetten und Stechhaltestücke ...R.IK für rechte Kassetten verwenden.

### Recommendation:

Use grooving toolholder ...L.IK for left hand cassettes and grooving toolholder ...R.IK for right hand cassettes.

### Ersatzteile

Spare Parts

| Stechhaltestück<br>Grooving toolholder | Kugelspritzdüse<br>Coolant spray nozzle | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------------------------|-----------------------------------------|---------------------------------|-------------------------------------------|
| R/L991...                              | 020.0806.3116                           | 5.18T20P                        | T20PQ                                     |

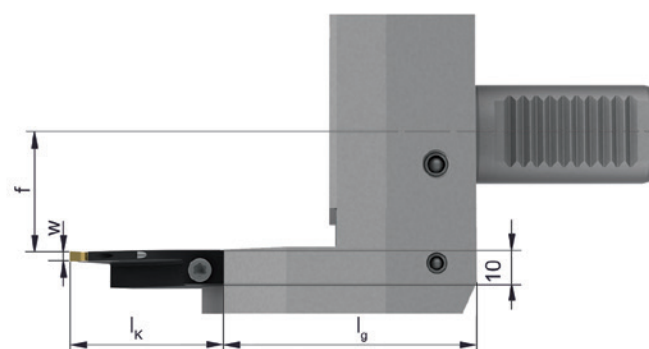
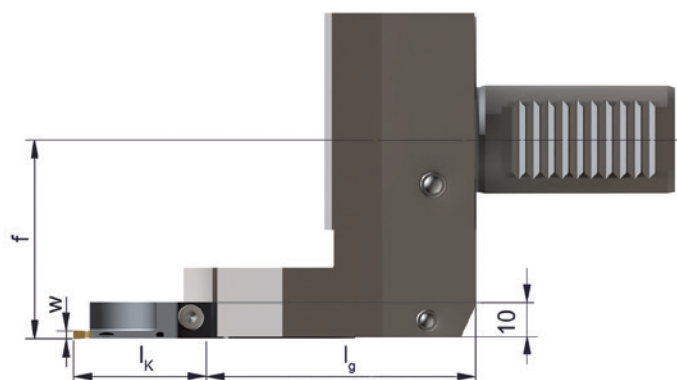
# Ermittlung der Referenzlänge

## Determining the reference length



außen  
external

innen  
internal



C

$$l_K \text{ (Kassettenmaß)} + l_g \text{ (l}_2 \text{ Stechhaltestück + l}_2 \text{ Grundhalter)}$$

$$l_K \text{ (Length of cassette)} + l_g \text{ (l}_2 \text{ Grooving toolholder + l}_2 \text{ Basic toolholder)}$$

Abbildung VDI  
Picture VDI

### Grundlegende Hinweise

Bitte max. Schwenkkreis-Ø des Maschinenherstellers beachten.  
Umlauf-Ø von Spannfutter zum Abstechhalter prüfen.

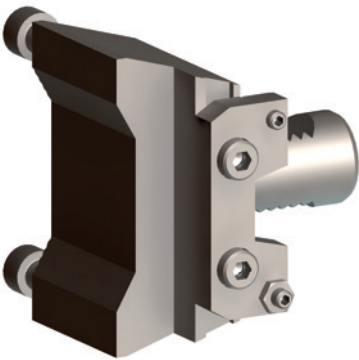
### Basic Recommendations

Please note the max. swing circle Ø of the machine manufacturers.  
Check rotation Ø of the chuck to the toolholder.

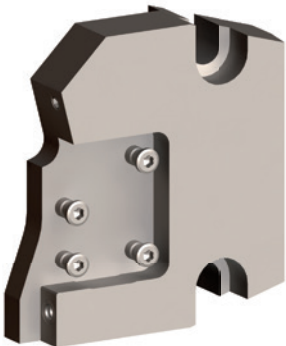
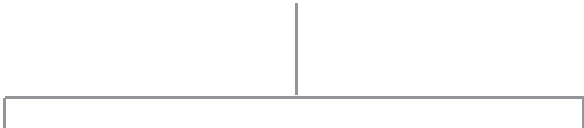
| Grundhalter<br>Basic toolholder | Stechhaltestück<br>Grooving toolholder |    | Stechhaltestück<br>Grooving toolholder |    |
|---------------------------------|----------------------------------------|----|----------------------------------------|----|
|                                 | L991.X842...L.IK / R991.X842...R.IK    |    | L991.X842...R.IK / R991.X842...L.IK    |    |
|                                 | f                                      | lg | f                                      | lg |
| 10965470                        | 55,2                                   | 72 | 35,1                                   | 72 |



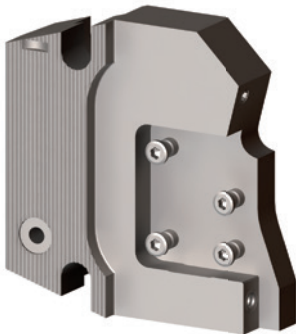
C



10...



R/L990.X845...R.IK



R/L990.X845...L.IK



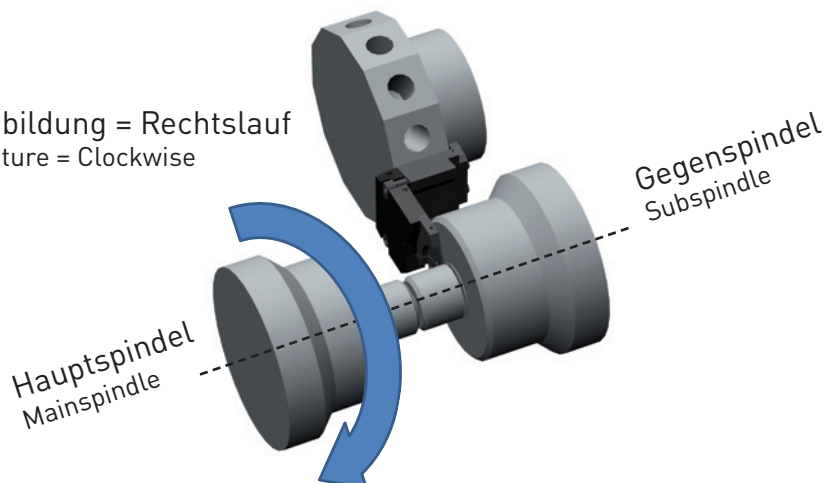
RNK100.0845...



LNK100.0845..



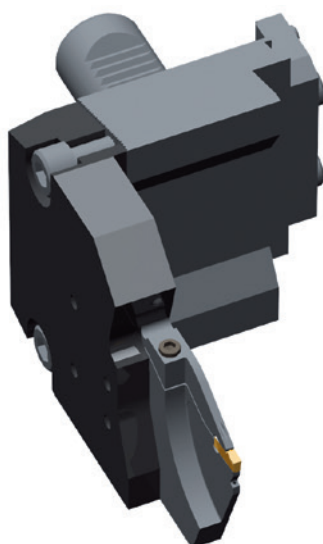
Abbildung = Rechtslauf  
Picture = Clockwise



C

Abstechen an der Gegenspindel im  
**Linkslauf**

Parting off on the subspindle in  
**anti-clockwise rotation**

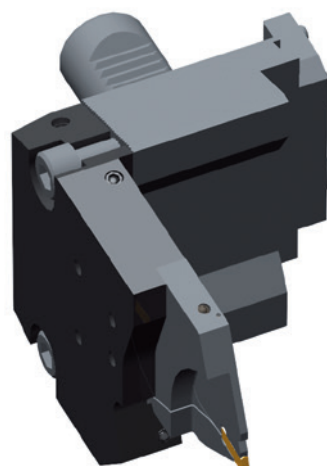


Stechhaltestück  
Grooving toolholder  
L990.X845...R.IK

Kassette  
Cassette  
RNK100.0845...

Abstechen an der Gegenspindel im  
**Rechtslauf**

Parting off on the subspindle in  
**clockwise rotation**

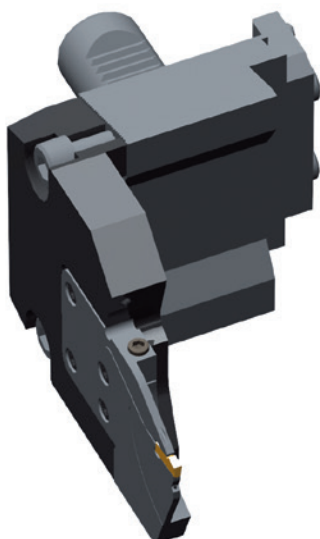


Stechhaltestück  
Grooving toolholder  
R990.X845...L.IK

Kassette  
Cassette  
LNK100.0845...

Abstechen an der Hauptspindel im  
**Linkslauf**

Parting off on the mainspindle in  
**anti-clockwise rotation**

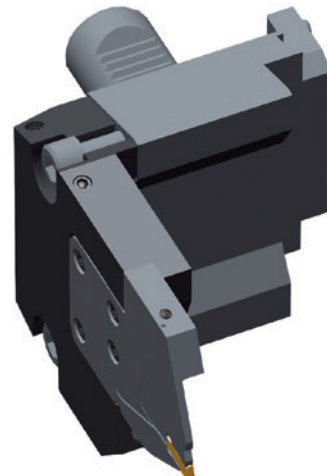


Stechhaltestück  
Grooving toolholder  
L990.X845...L.IK

Kassette  
Cassette  
LNK100.0845...

Abstechen an der Hauptspindel im  
**Rechtslauf**

Parting off on the mainspindle in  
**clockwise rotation**

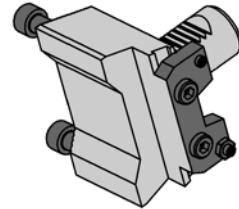
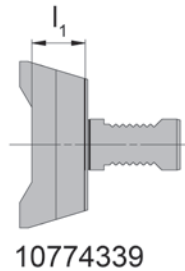
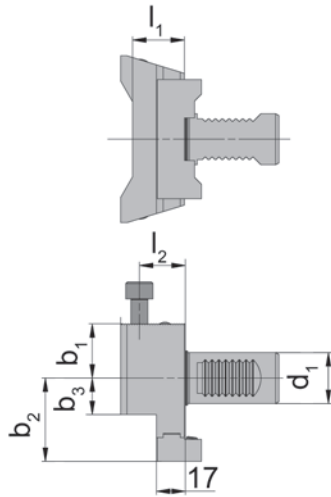


Stechhaltestück  
Grooving toolholder  
R990.X845...R.IK

Kassette  
Cassette  
RNK100.0845...



**C**



| Bestellnummer<br>Part number | $l_2$ | $b_2$ | $b_1$ | $b_3$ | $l_1$ | $d_1$ | Maschinentyp<br>Machine type                 | Ausführung<br>Type        | HWS            | HMS            |
|------------------------------|-------|-------|-------|-------|-------|-------|----------------------------------------------|---------------------------|----------------|----------------|
| 10092252                     | 27    | 56,5  | 34,85 | 29    | 31    | 40    | Traub TNX80                                  | T-Leiste<br>T-Strip       | Index<br>Traub | Index<br>Traub |
| 10176353                     | 27    | 52,5  | 34,85 | 29    | 31    | 40    | Index G220/G250/G400<br>Traub TNX80          | V-Leiste<br>V-Strip       | Index<br>Traub | Index<br>Traub |
| 10197297                     | 27    | 49    | 31,85 | 21,5  | 30,5  | 30    | TRAUB TNC 42/65<br>10 Stationen/Stations     | T-Leiste<br>T-Strip       | Index<br>Traub | Index<br>Traub |
| 10774339                     | 27,6  | 35    | 31,85 | 21,5  | 31    | 30    | Index G220/G250/G300/<br>C200/Traub TNX42/65 | W-Verzahnung<br>W-Gearing | Index<br>Traub | Index<br>Traub |
| 10846334                     | 27    | 42,5  | 34,85 | 2,5   | 31    | 40    | Index G250                                   | W-Verzahnung<br>W-Gearing | Index<br>Traub | Index<br>Traub |
| 10865562                     | 27    | 45    | 31,85 | 21,5  | 30,5  | 30    | Index C200/G160/G250/<br>G300                | V-Leiste<br>V-Strip       | Index<br>Traub | Index<br>Traub |

für Stechhaltestücke R990.X845... und L990.X845...  
for grooving toolholder R990.X845... and L990.X845...

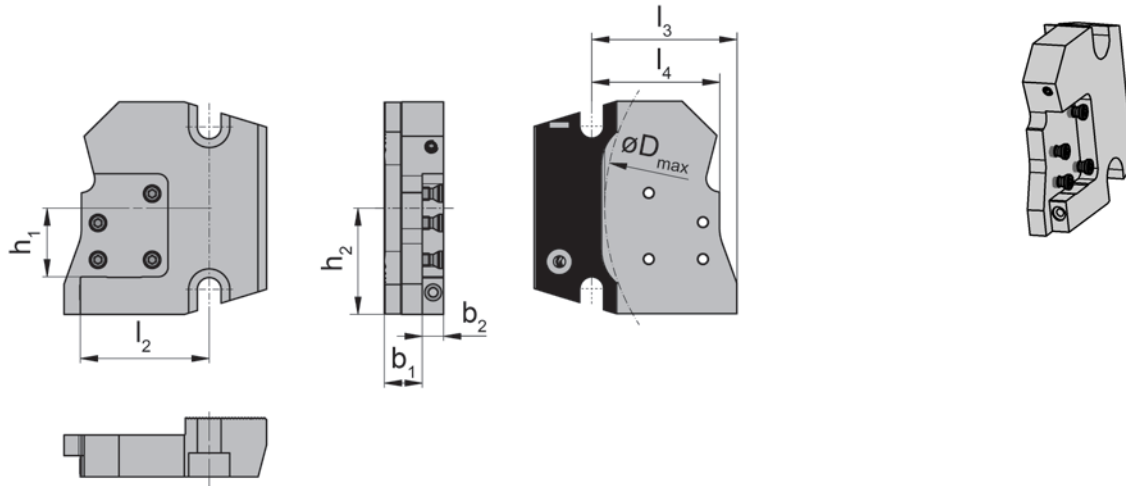
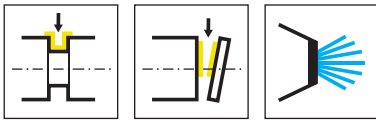


Abbildung = R...R  
Picture = R...R

L...L = spiegelbildlich  
L...L = left hand version

| Bestellnummer<br>Part number | $l_2$ | $l_3$ | $l_4$ | $h_1$ | $h_2$ | $b_1$ | $b_2$ | $D_{max}$ | HWS             | HMS         |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-----------|-----------------|-------------|
| <b>R990.X845.8698.L.IK</b>   | 59,5  | 67    | 59    | 31,65 | 49    | 15    | 9,8   | 200       | 845001 • 845002 | Index Traub |
| <b>R990.X845.8698.R.IK</b>   | 59,5  | 67    | 59    | 31,65 | 49    | 17,5  | 9,8   | 200       | 845001 • 845002 | Index Traub |
| <b>L990.X845.8698.L.IK</b>   | 59,5  | 67    | 59    | 31,65 | 49    | 17,5  | 9,8   | 200       | 845001 • 845002 | Index Traub |
| <b>L990.X845.8698.R.IK</b>   | 59,5  | 67    | 59    | 31,65 | 49    | 15    | 9,8   | 200       | 845001 • 845002 | Index Traub |

Stechhaltestücke sind jeweils für rechte und linke Kassetten verwendbar.  
Grooving toolholder can be used with right and left hand cassettes.

### Empfehlung:

Stechhaltestücke ...L.IK für linke Kassetten und Stechhaltestücke ...R.IK für rechte Kassetten verwenden.

### Recommendation:

Use grooving toolholder ...L.IK for left hand cassettes and grooving toolholder ...R.IK for right hand cassettes.

### Ersatzteile

Spare Parts

| Stechhaltestück<br>Grooving toolholder | Kugelspritzdüse<br>Coolant spray nozzle | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------------------------|-----------------------------------------|---------------------------------|-------------------------------------------|
| R/L990.X845...                         | 020.0806.3116                           | 6.18T20P                        | T20PQ                                     |

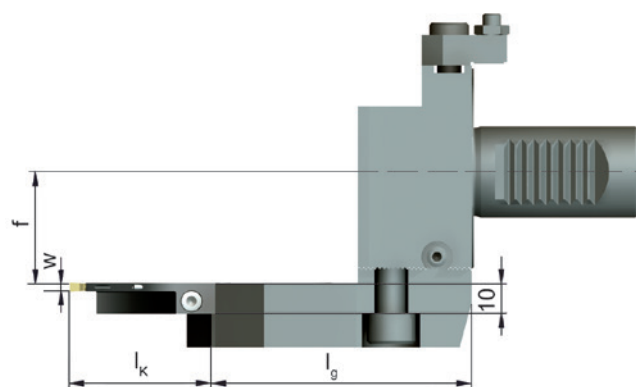
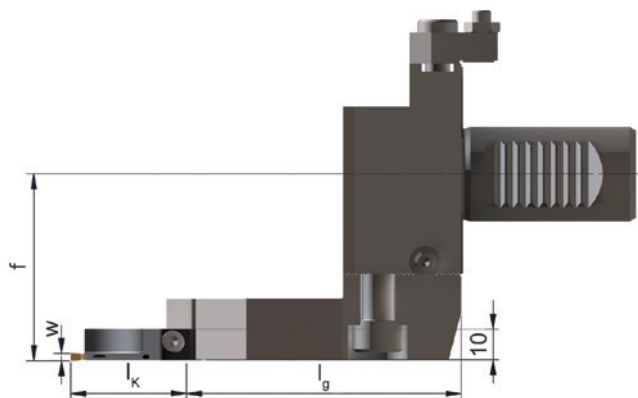
# Ermittlung der Referenzlänge

## Determining the reference length



außen  
external

innen  
internal



$$l_K \text{ (Kassettenmaß)} + l_g \text{ (l}_2 \text{ Stechhaltestück + l}_2 \text{ Grundhalter)}$$

$$l_K \text{ (Length of cassette)} + l_g \text{ (l}_2 \text{ Grooving toolholder + l}_2 \text{ Basic toolholder)}$$

Abbildung VDI  
Picture VDI

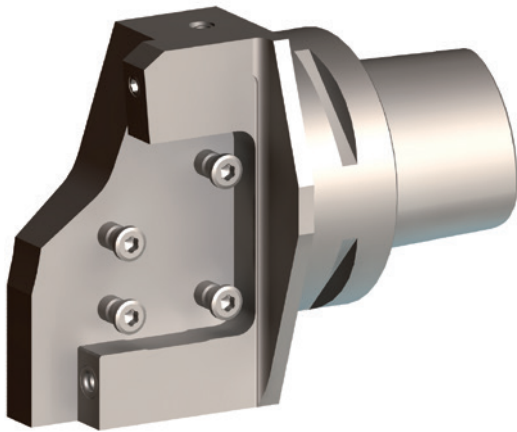
### Grundlegende Hinweise

Bitte max. Schwenkkreis-Ø des Maschinenherstellers beachten.  
Umlauf-Ø von Spannfutter zum Abstechhalter prüfen.

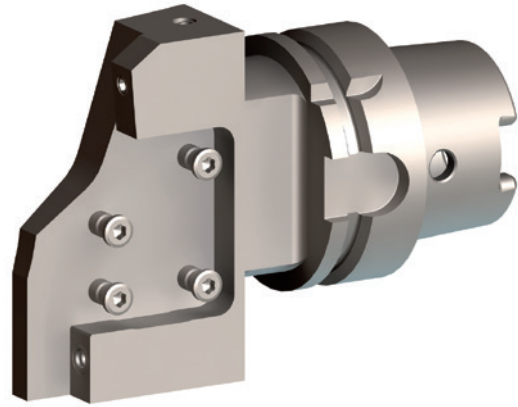
### Basic Recommendations

Please note the max. swing circle Ø of the machine manufacturers.  
Check rotaion Ø of the chuck to the toolholder.

| Grundhalter<br>Basic toolholder | Stechhaltestück<br>Grooving toolholder |      | Stechhaltestück<br>Grooving toolholder |      |
|---------------------------------|----------------------------------------|------|----------------------------------------|------|
|                                 | L990.X845...L.IK / R990.X845...R.IK    |      | L990.X845...R.IK / R990.X845...L.IK    |      |
|                                 | f                                      | lg   | f                                      | lg   |
| 10092252                        | 59,55                                  | 86,5 | 36,65                                  | 86,5 |
| 10176353                        | 59,55                                  | 86,5 | 36,65                                  | 86,5 |
| 10197297                        | 59,55                                  | 87,1 | 36,65                                  | 87,1 |
| 10774339                        | 62,55                                  | 86,5 | 39,65                                  | 86,5 |
| 10846334                        | 62,55                                  | 86,5 | 39,65                                  | 86,5 |
| 10865562                        | 62,55                                  | 86,5 | 39,65                                  | 86,5 |



C3.../C5.../C6...

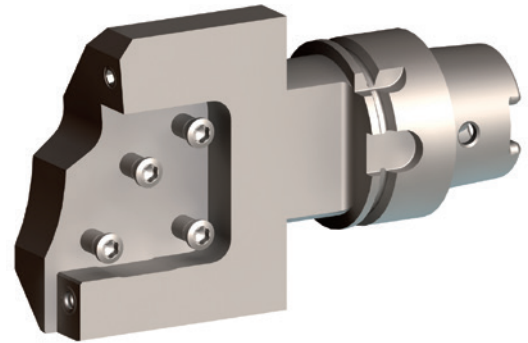


HSKT63...

C



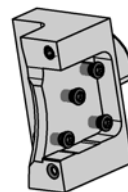
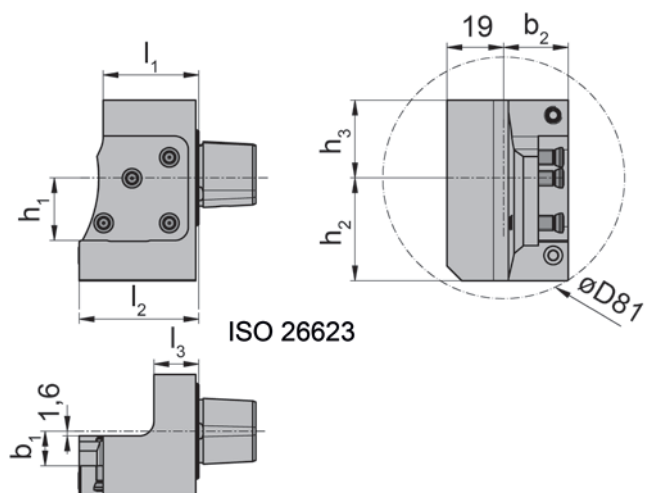
L/RNK...0842...  
L/RNK...0845...



HSKT40...



L/RNK100.0842...



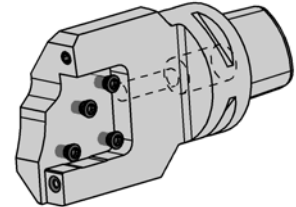
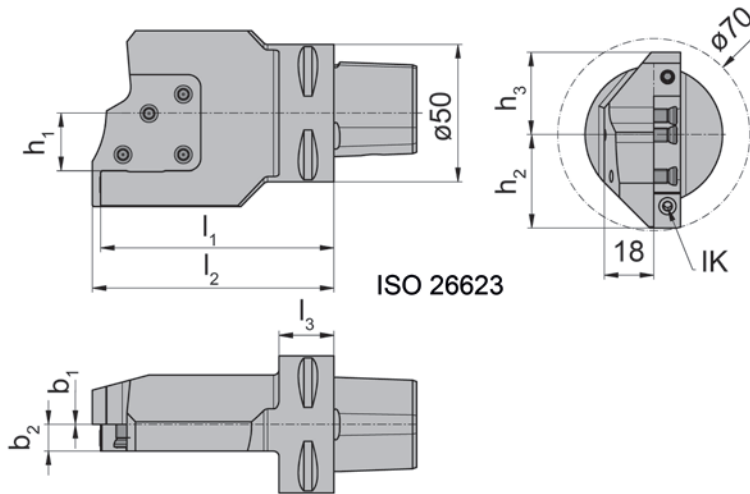
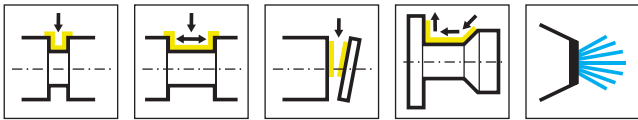
R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | $l_2$ | $l_1$ | $h_1$ | $h_2$ | $h_3$ | $b_1$ | $l_3$ | $b_2$ | HWS             |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| <b>C3.L842.A.01.K1</b>       | 40    | 32    | 21    | 34,5  | 26    | 11,6  | 15    | 21,6  | 842001 • 842002 |
| <b>C3.R842.A.01.K1</b>       | 40    | 32    | 21    | 34,5  | 26    | 11,6  | 15    | 21,6  | 842001 • 842002 |

#### Ersatzteile Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| C3...                           | <b>5.18T20P</b>                 | <b>T20PQ</b>                              |



**C**

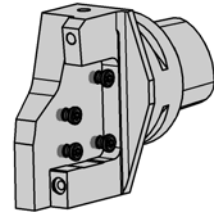
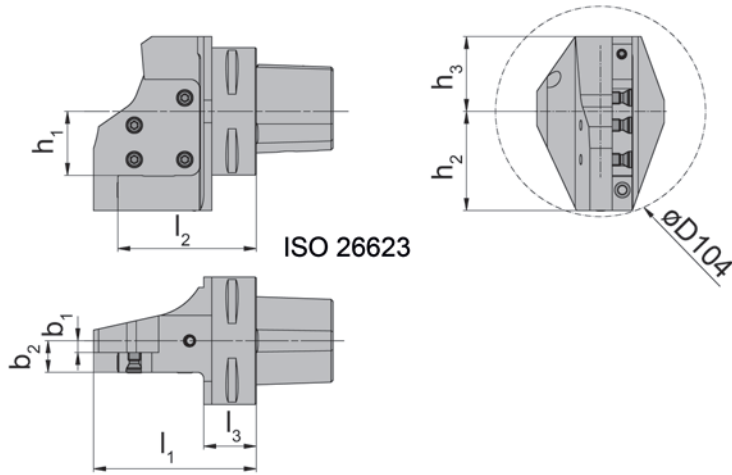
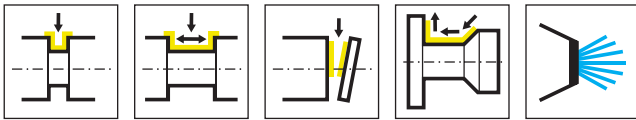
R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | $l_2$ | $l_1$ | $h_1$ | $h_2$ | $h_3$ | $b_1$ | $l_3$ | $b_2$ | HWS             |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| <b>C5.R842.01.K1</b>         | 88    | 85    | 21    | 34    | 30    | 0     | 25    | 18    | 842001 • 842002 |

#### Ersatzteile Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| C5.R842.01.K1                   | <b>5.18T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

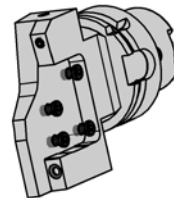
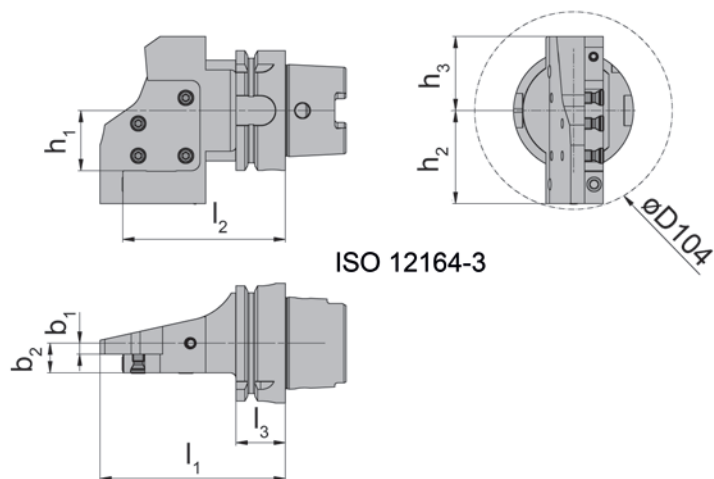
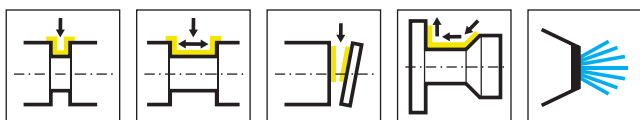
| Bestellnummer<br>Part number | $l_2$ | $l_1$ | $h_1$ | $h_2$ | $h_3$ | $b_1$ | $l_3$ | $b_2$ | HWS             |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| <b>C6.L845.01.K1</b>         | 68,5  | 80,5  | 31,65 | 49    | 37    | 5,8   | 22    | 15,6  | 845001 • 845002 |
| <b>C6.R845.01.K1</b>         | 68,5  | 80,5  | 31,65 | 49    | 37    | 5,8   | 22    | 15,6  | 845001 • 845002 |
| <b>C8.L845.01.K1</b>         | 77,5  | 80,5  | 31,65 | 49    | 40    | 5,8   | 31    | 15,6  | 845001 • 845002 |
| <b>C8.R845.01.K1</b>         | 77,5  | 80,5  | 31,65 | 49    | 40    | 5,8   | 31    | 15,6  | 845001 • 845002 |

### Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| C...                            | <b>6.18T20P</b>                 | <b>T20PQ</b>                              |





**C**

R = rechts wie gezeichnet  
R = right hand version shown

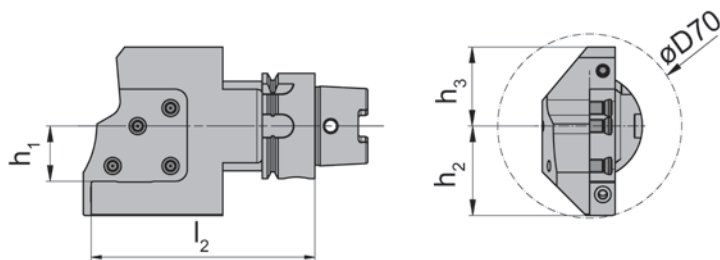
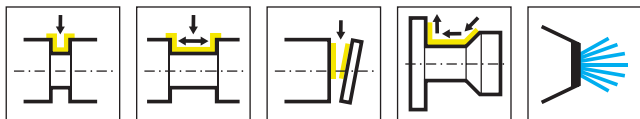
L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | $l_2$ | $l_1$ | $h_1$ | $h_2$ | $h_3$ | $l_3$ | $b_2$ | HWS             |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| <b>HSKT63.L845.01.K1</b>     | 85,5  | 97,5  | 31,65 | 49    | 39    | 26    | 15,6  | 845001 • 845002 |
| <b>HSKT63.R845.01.K1</b>     | 85,5  | 97,5  | 31,65 | 49    | 39    | 26    | 15,6  | 845001 • 845002 |
| <b>HSKT100.L845.01.K1</b>    | -     | -     | 31,65 | 49    | 50    | 28,95 | 15,6  | 845001 • 845002 |
| <b>HSKT100.R845.01.K1</b>    | -     | -     | 31,65 | 49    | 50    | 28,95 | 15,6  | 845001 • 845002 |

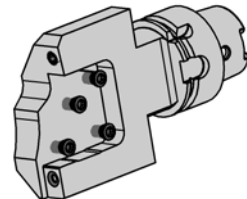
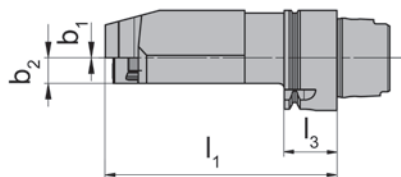
### Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| HSKT...                         | <b>6.18T20P</b>                 | <b>T20PQ</b>                              |



ISO 12164-3



R = rechts wie gezeichnet  
R = right hand version shown

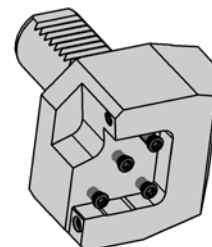
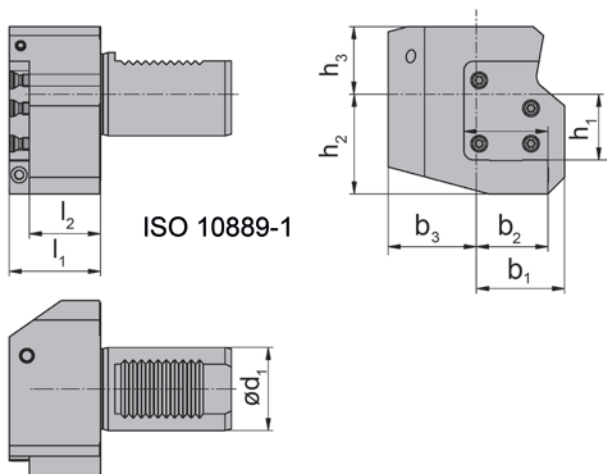
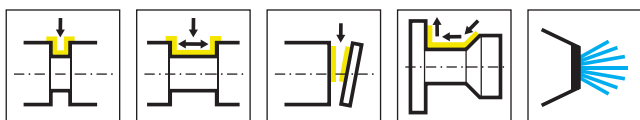
L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | $l_2$ | $l_1$ | $h_1$ | $h_2$ | $h_3$ | $l_3$ | $b_2$ | HWS             |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| <b>HSKT40.L842.01.K1</b>     | 85    | 88    | 21    | 34    | 30    | 20    | 9,7   | 842001 • 842002 |
| <b>HSKT40.R842.01.K1</b>     | 85    | 88    | 21    | 34    | 30    | 20    | 9,7   | 842001 • 842002 |

### Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| HSKT40...                       | <b>5.18T20P</b>                 | <b>T20PQ</b>                              |



**C**

Abbildung = VDI-Halter Typ B1

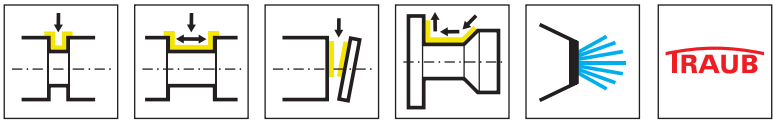
Picture = VDI Toolholder Type B1

| Bestellnummer<br>Part number | $l_2$ | $l_1$ | $h_1$ | $h_2$ | $h_3$ | $b_1$ | $b_3$ | $b_2$ | HWS             | HMS   |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|-------|
| <b>842.VDI30.B1.00101</b>    | 30,3  | 40    | 21    | 26    | 22    | 35    | 35    | 33    | 842001 • 842002 | VDI30 |
| <b>845.VDI40.B1.00101</b>    | 34,3  | 44    | 31,65 | 48    | 32,5  | 42,5  | 42,5  | 34,5  | 845001 • 845002 | VDI40 |
| <b>845.VDI40.B2.00101</b>    | 34,3  | 44    | 31,65 | 48    | 32,5  | 42,5  | 42,5  | 34,5  | 845001 • 845002 | VDI40 |

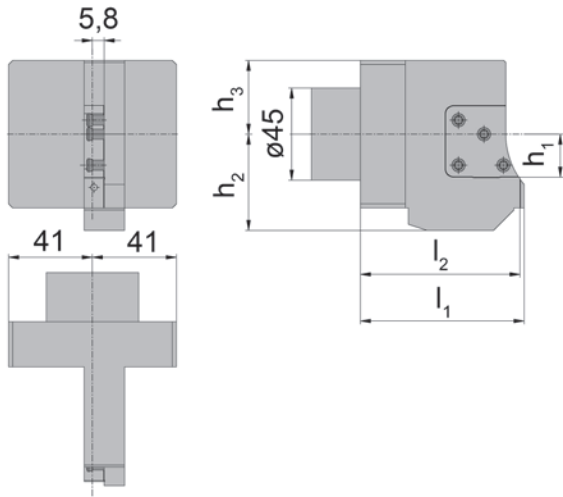
## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| 842.VDI30.B1.00101              | <b>5.18T20P</b>                 | <b>T20PQ</b>                              |
| 845.VDI40....                   | <b>6.24T20P</b>                 | <b>T20PQ</b>                              |



C



R = rechts wie gezeichnet  
R = right hand version shown

| Bestellnummer<br>Part number | l <sub>2</sub> | l <sub>1</sub> | h <sub>1</sub> | h <sub>3</sub> | h <sub>2</sub> | Maschinentyp<br>Machine type | HWS             | HMS         |
|------------------------------|----------------|----------------|----------------|----------------|----------------|------------------------------|-----------------|-------------|
| 842.TR01.R.01.K1             | 78             | 80             | 21             | 36             | 47             | TRAUB TNL18/20/32 TNK42      | 842001 • 842002 | Index Traub |

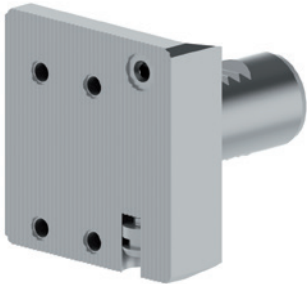
Schnittstelle Traub  
Interface Traub

Ersatzteile  
Spare Parts

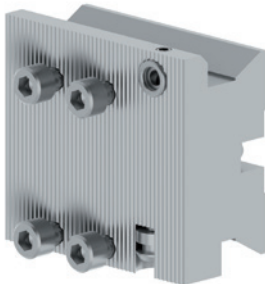
| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| 842.TR01.R.01.K1                | 5.18T20P                        | T20PQ                                     |

**INDEX**

**C**



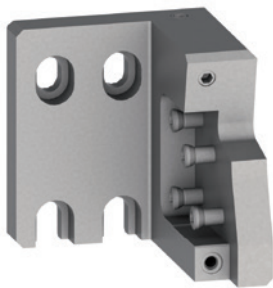
12088126



10505538



R/L940.X842...R.IK



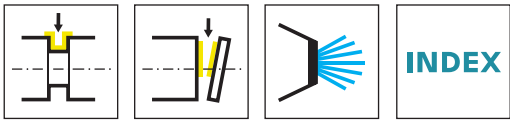
R/L940.X842...L.IK



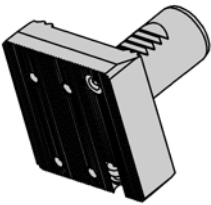
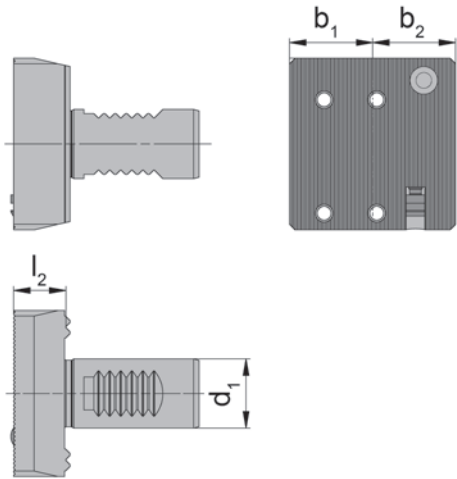
RNK100.0842...



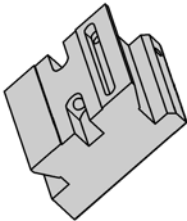
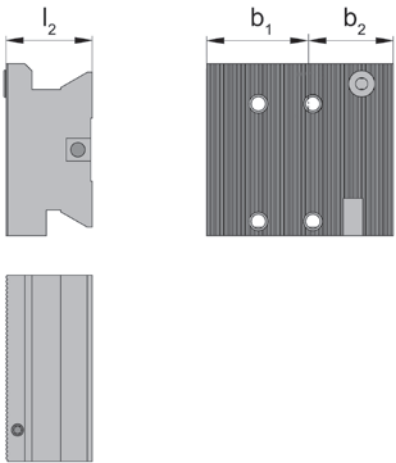
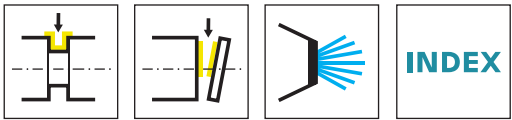
LNK100.0842...



C



| Bestellnummer<br>Part number | b <sub>2</sub> | b <sub>1</sub> | Maschinentyp<br>Machine type     | HWS         | HMS         |
|------------------------------|----------------|----------------|----------------------------------|-------------|-------------|
| 12088126                     | 30             | 30             | Index C42-65/C100/C200/G160/G250 | Index Traub | Index Traub |



C

| Bestellnummer<br>Part number | b <sub>2</sub> | b <sub>1</sub> | l <sub>2</sub> | Maschinentyp<br>Machine type | HWS         | HMS         |
|------------------------------|----------------|----------------|----------------|------------------------------|-------------|-------------|
| 10505538                     | 28             | 37             | 29,5           | Index ABC                    | Index Traub | Index Traub |

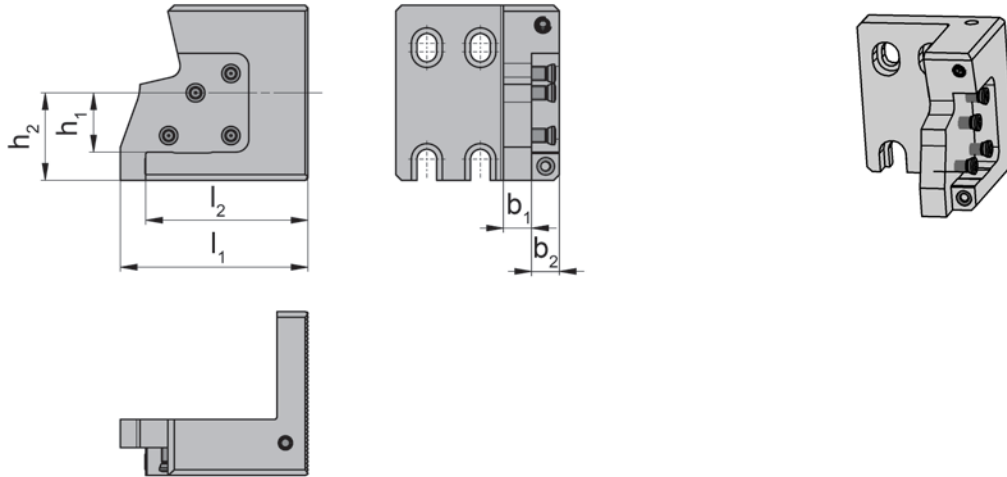
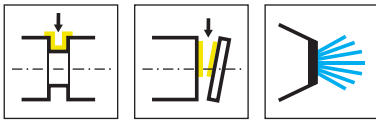


Abbildung = R...R  
Picture = R...R

L...L = spiegelbildlich  
L...L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $l_2$ | $h_1$ | $h_2$ | $b_1$ | $b_2$ | HWS             | HMS         |
|------------------------------|-------|-------|-------|-------|-------|-------|-----------------|-------------|
| R940.X842.5862.L.IK          | 66,5  | 57,5  | 21    | 31    | 10    | 9,8   | 842001 • 842002 | Index Traub |
| R940.X842.5862.R.IK          | 66,5  | 57,5  | 21    | 31    | 10    | 9,8   | 842001 • 842002 | Index Traub |
| L940.X842.5862.L.IK          | 66,5  | 57,5  | 21    | 31    | 10    | 9,8   | 842001 • 842002 | Index Traub |
| L940.X842.5862.R.IK          | 66,5  | 57,5  | 21    | 31    | 10    | 9,8   | 842001 • 842002 | Index Traub |

Stechhaltestücke sind jeweils für rechte und linke Kassetten verwendbar.  
Grooving toolholder can be used with right and left hand cassettes.

### Empfehlung:

Stechhaltestücke ...L.IK für linke Kassetten und Stechhaltestücke ...R.IK für rechte Kassetten verwenden.

### Recommendation:

Use grooving toolholder ...L.IK for left hand cassettes and grooving toolholder ...R.IK for right hand cassettes.

### Ersatzteile

Spare Parts

| Stechhaltestück<br>Grooving toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------------------------|---------------------------------|-------------------------------------------|
| R/L940...                              | 5.18T20P                        | T20PQ                                     |

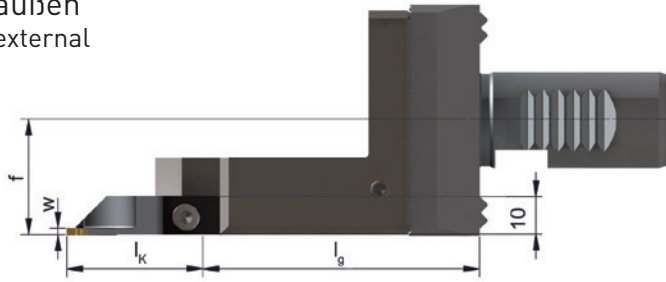


# Ermittlung der Referenzlänge

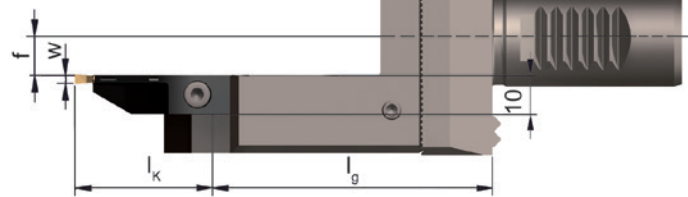
## Determining the reference length



außen  
external



innen  
internal



$$l_K \text{ (Kassettenmaß)} + l_g \text{ (} l_2 \text{ Stechhaltestück} + l_2 \text{ Grundhalter)}$$

$$l_K \text{ (Length of cassette)} + l_g \text{ (} l_2 \text{ Grooving toolholder} + l_2 \text{ Basic toolholder)}$$

Abbildung VDI  
Picture VDI

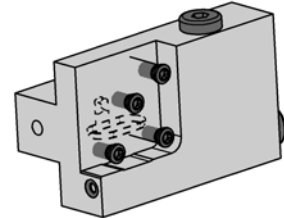
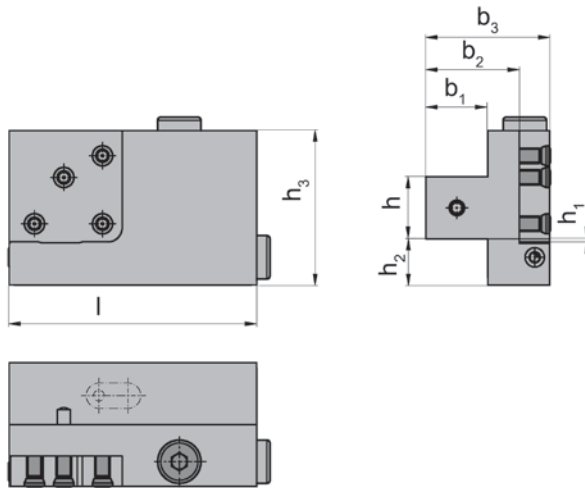
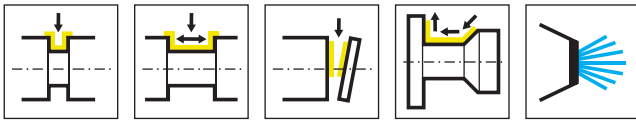
### Grundlegende Hinweise

Bitte max. Schwenkkreis-Ø des Maschinenherstellers beachten.  
Umlauf-Ø von Spannfutter zum Abstechhalter prüfen.

### Basic Recommendations

Please note the max. swing circle Ø of the machine manufacturers.  
Check rotaion Ø of the chuck to the toolholder.

| Grundhalter<br>Basic toolholder | Stechhaltestück<br>Grooving toolholder |      | Stechhaltestück<br>Grooving toolholder |      |
|---------------------------------|----------------------------------------|------|----------------------------------------|------|
|                                 | L940.X842...L.IK / R940.X842...R.IK    |      | L940.X842...R.IK / R940.X842...L.IK    |      |
|                                 | f                                      | lg   | f                                      | lg   |
| 12088126                        | 19,7                                   | 76,4 | 9,1                                    | 76,4 |



R = rechts wie gezeichnet  
R = right hand version shown

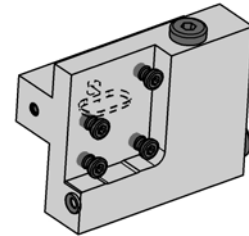
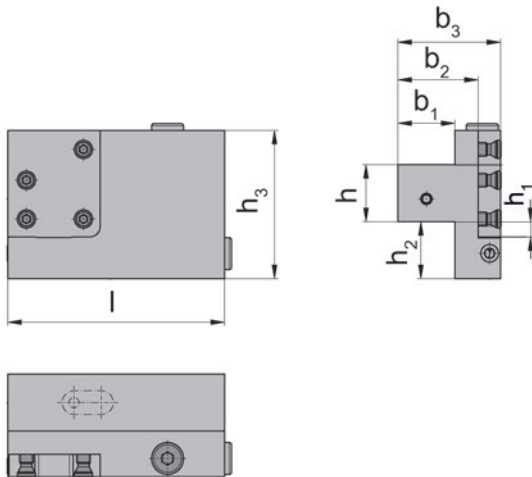
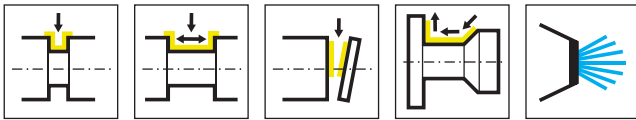
L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | h  | b <sub>1</sub> | l  | h <sub>3</sub> | b <sub>3</sub> | b <sub>2</sub> | h <sub>1</sub> | h <sub>2</sub> | HWS             |
|------------------------------|----|----------------|----|----------------|----------------|----------------|----------------|----------------|-----------------|
| <b>R842.1616.K1.IK</b>       | 16 | 16             | 65 | 50             | 40             | 30,2           | 5              | 19             | 842001 • 842002 |
| <b>R842.2525.K1.IK</b>       | 25 | 25             | 95 | 50             | 45             | 35,5           | 4              | 10             | 842001 • 842002 |
| <b>L842.1616.K1.IK</b>       | 16 | 16             | 65 | 50             | 40             | 30,2           | 5              | 19             | 842001 • 842002 |
| <b>L842.2020.K1.IK</b>       | 20 | 20             | 80 | 50             | 40             | 30,2           | 1              | 15             | 842001 • 842002 |
| <b>L842.2525.K1.IK</b>       | 25 | 25             | 95 | 50             | 45             | 35,5           | 4              | 10             | 842001 • 842002 |

### Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench | Verschlusschraube<br>Screw Plug |
|---------------------------------|---------------------------------|-------------------------------------------|---------------------------------|
| R/L842...                       | <b>5.18T20P</b>                 | <b>T20PQ</b>                              | <b>004.00.26</b>                |
| L842.2020.K1.IK                 | <b>5.18T20P</b>                 | <b>T20PQ</b>                              | <b>004.00.26</b>                |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | h  | b <sub>1</sub> | l  | h <sub>3</sub> | b <sub>3</sub> | b <sub>2</sub> | h <sub>1</sub> | h <sub>2</sub> | HWS             |
|------------------------------|----|----------------|----|----------------|----------------|----------------|----------------|----------------|-----------------|
| <b>R845.2020.K1.IK</b>       | 20 | 20             | 80 | 65             | 40             | 30             | 11,65          | 30             | 845001 • 845002 |
| <b>R845.2525.K1.IK</b>       | 25 | 25             | 95 | 65             | 45             | 35             | 6,65           | 25             | 845001 • 845002 |
| <b>L845.2020.K1.IK</b>       | 20 | 20             | 80 | 65             | 40             | 30             | 11,65          | 30             | 845001 • 845002 |
| <b>L845.2525.K1.IK</b>       | 25 | 25             | 95 | 65             | 45             | 35             | 6,65           | 25             | 845001 • 845002 |

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench | Verschlusschraube<br>Screw Plug |
|---------------------------------|---------------------------------|-------------------------------------------|---------------------------------|
| R/L845...                       | <b>6.18T20P</b>                 | <b>T20PQ</b>                              | <b>004.00.26</b>                |

C

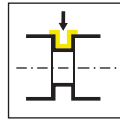




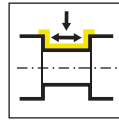
D

| System/System              | Seite/Page |
|----------------------------|------------|
| <b>968 Index</b>           | <b>152</b> |
| <b>849/850/969 Schütte</b> | <b>174</b> |

Grundhalter  
Basic toolholder  
968/GF/C3/220C  
BGT



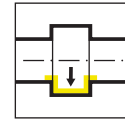
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160, 166-168



Seite/Page  
161

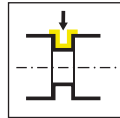


Seite/Page  
162



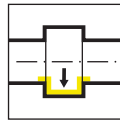
Seite/Page  
169

Kassette  
Cassette  
RHV



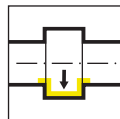
Seite/Page  
163

Klemmhalter  
Toolholder  
B105C/B110C

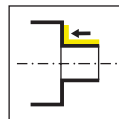


Seite/Page  
164-165

Einstellbare Halter  
Adjustable holder  
BKT/RKT

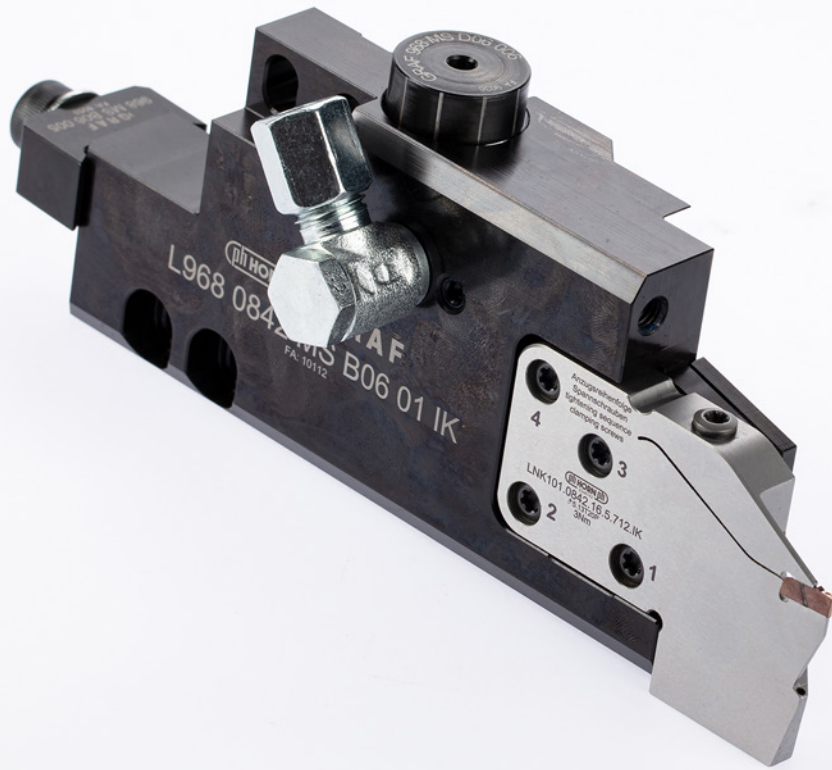


Seite/Page  
170-172



Seite/Page  
173

968



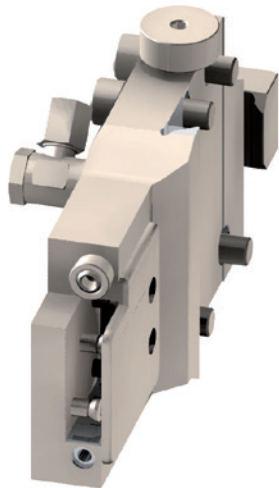
D

## Modulares System für Mehrspindler INDEX

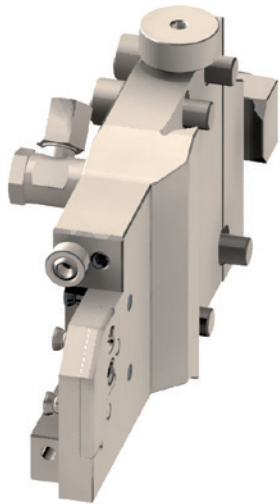
## Modular System for multi-spindle machine INDEX

INDEX

D



R968...



L968...



R/LNK100.0842...



R/LK842.SD...



R/LK842.SV...



# Übersicht der Grundhalter L968...

Overview of the basic toolholder L968...



INDEX

**Mehrspindler**  
multi-spindle machine



MS52



MS32 - MS40



MS16 - MS22

D

### INDEX

#### INDEX MS24-6

Verfahrwege X-NC 1.1 - 6.2

X-Weg = 62 mm

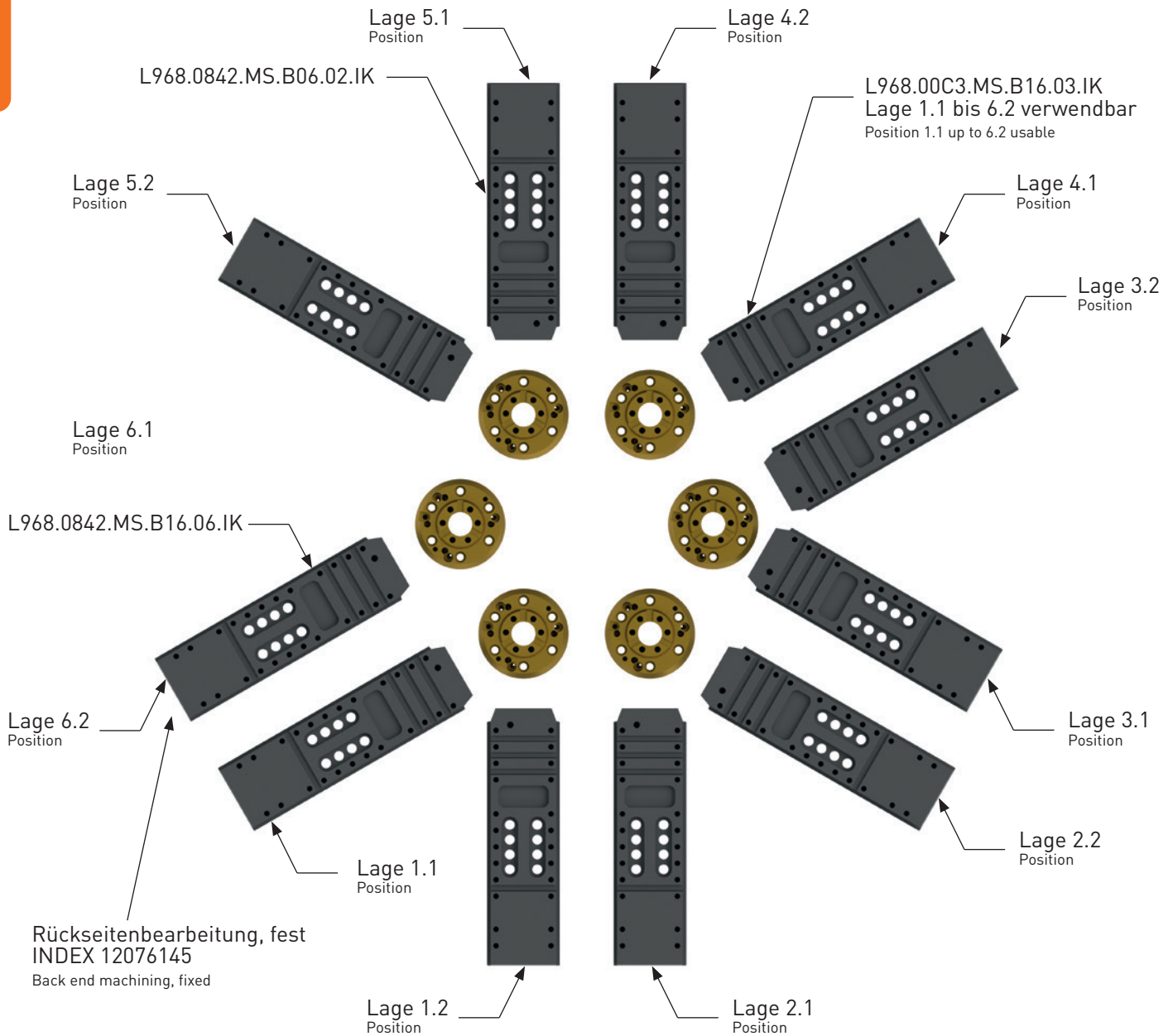
Z-Weg = 85 mm

Strokes X-NC 1.1 - 6.2

X-axis stroke = 62 mm

Z-axis stroke = 85 mm

D



### INDEX

#### INDEX MS24-8

Verfahrwege X-NC 7-NC 1.1 - 8.2

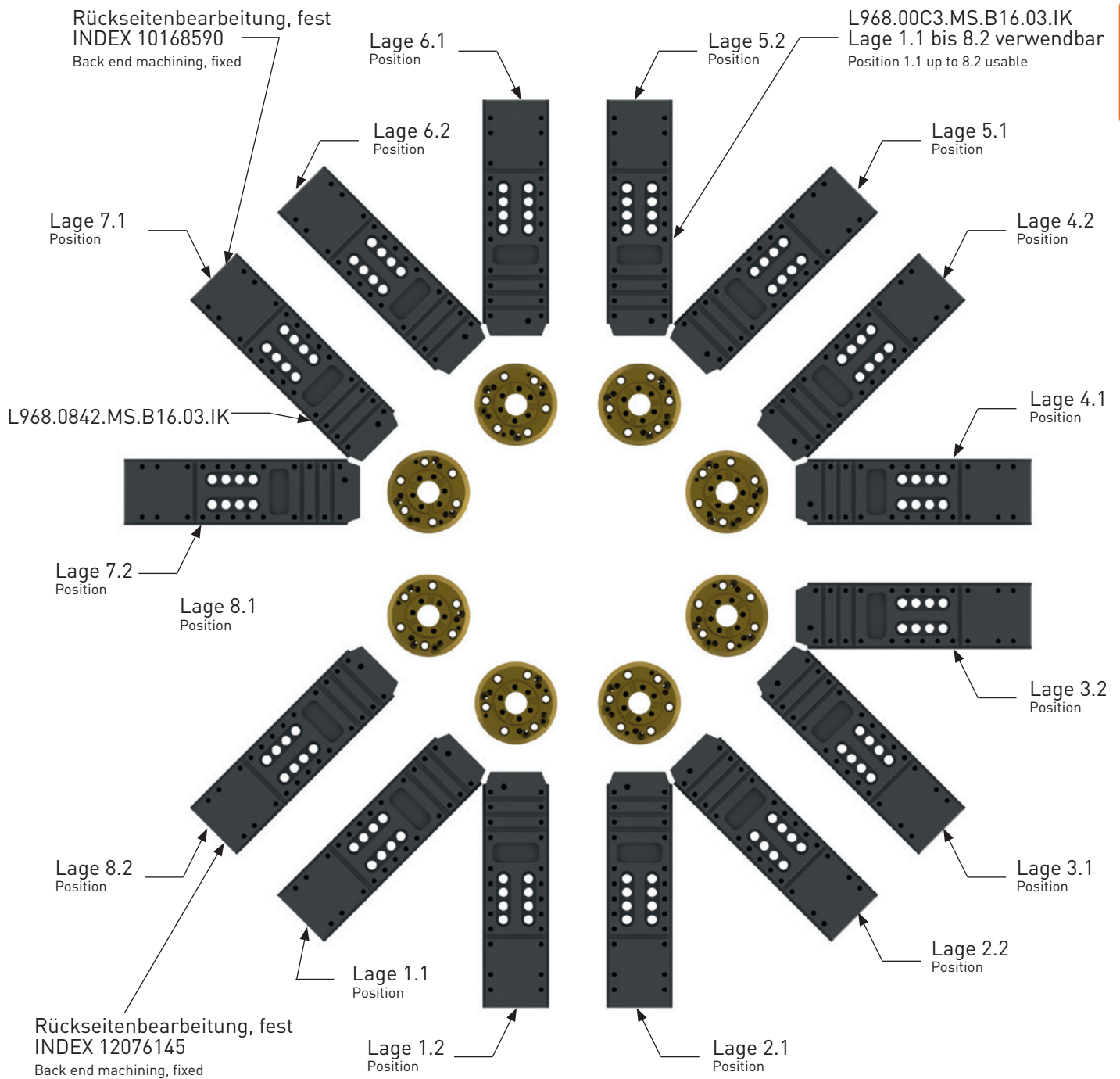
X-Weg = 62 mm

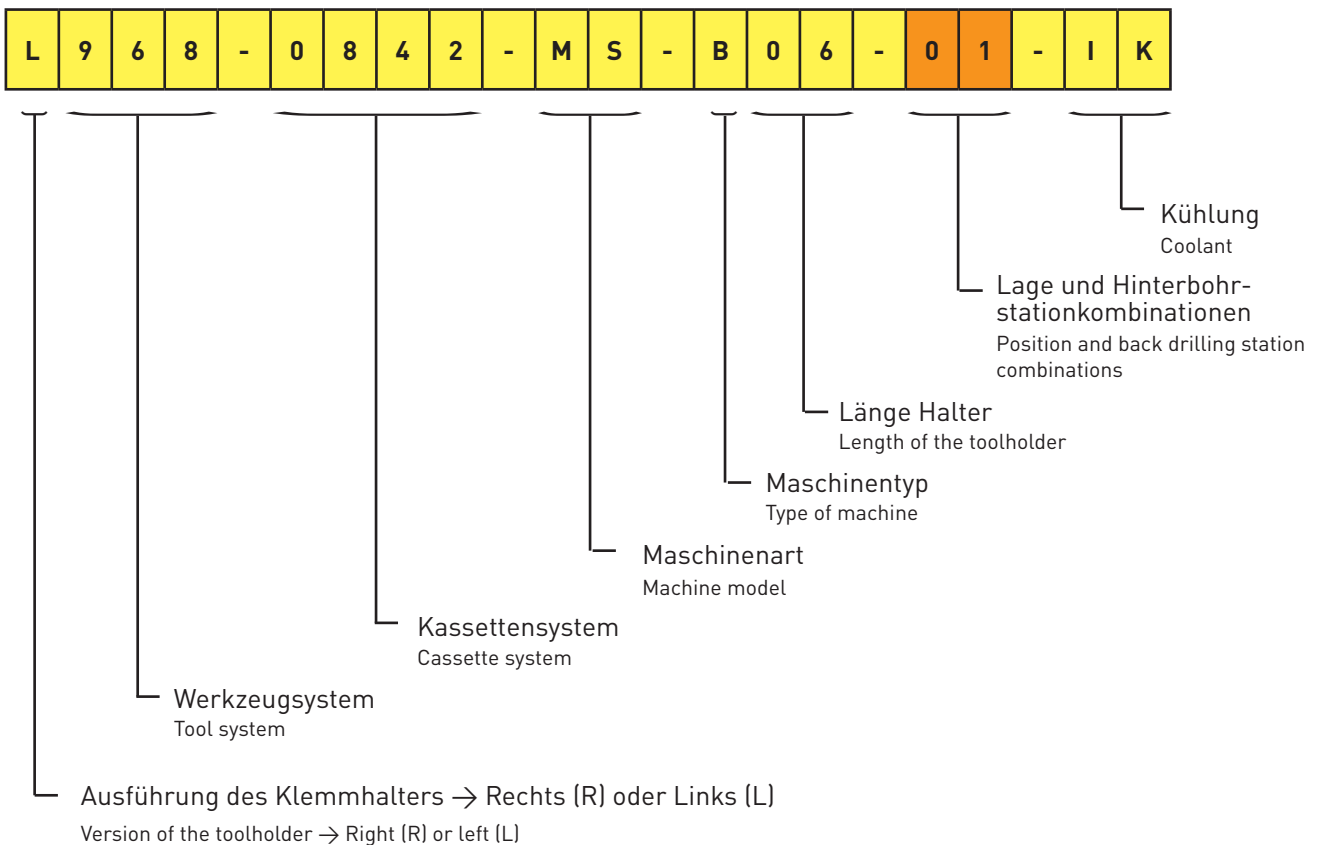
Z-Weg = 85 mm

Strokes X-NC 7-NC 1.1 - 8.2

X-axis stroke = 62 mm

Z-axis stroke = 85 mm





### Lage und Hinterbohrstationkombinationen

#### Position and back drilling station combinations

|   |   |
|---|---|
| 0 | 1 |
|---|---|

Aussparungsausführungen:

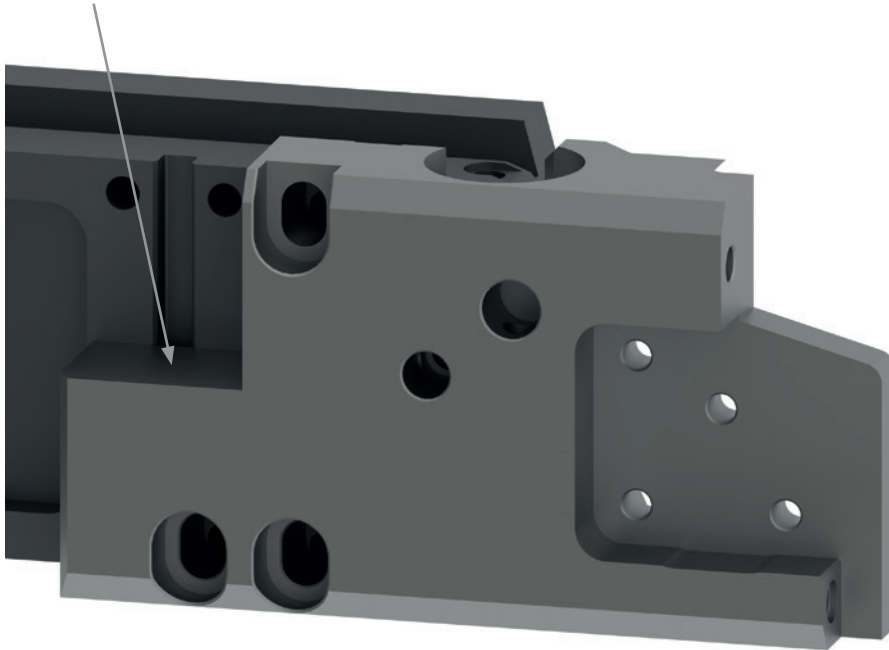
- 01 = Aussparung oben, Abstechen Lage 6.2 / 8.2
- 02 = Aussparungen unten, Abstechen Lage 5.1 / 7.1
- 03 = Nur Spannpratzen
- 04 = Aussparung oben + Aufnahme über Nutenstein (Lage 6.2 für angetriebene Einheit)
- 05 = Aussparung unten + Aufnahme über Nutenstein (noch keine Konstruktion)
- 06 = Aufnahme nur über Schrauben + Schwalbenschwanz  
(MS24-6 Lage 6.2 mit angetriebener Hinterbohrstation)

Recess versions:

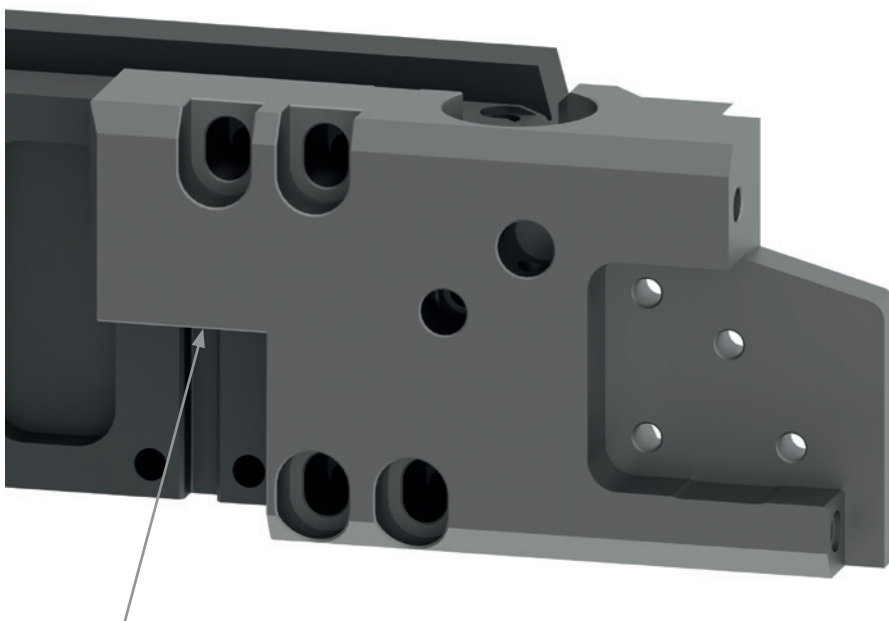
- 01 = Top recess, parting off position 6.2 / 8.2
- 02 = Bottom recesses, parting off position 5.1 / 7.1
- 03 = Clamping claws only
- 04 = Top recess + mounting via slot nut (position 6.2 for driven unit)
- 05 = Bottom recess + mounting via slot nut (no design yet)
- 06 = Mounting only via screws + dovetail  
(MS24-6 position 6.2 with driven back drilling station)

Aussparung oben  
L968.0842.MS.B16.01.IK  
für Lage 6.2 / 8.2

Top recess  
L968.0842.MS.B16.01.IK  
for position 6.2 / 8.2

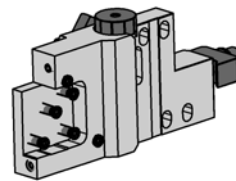
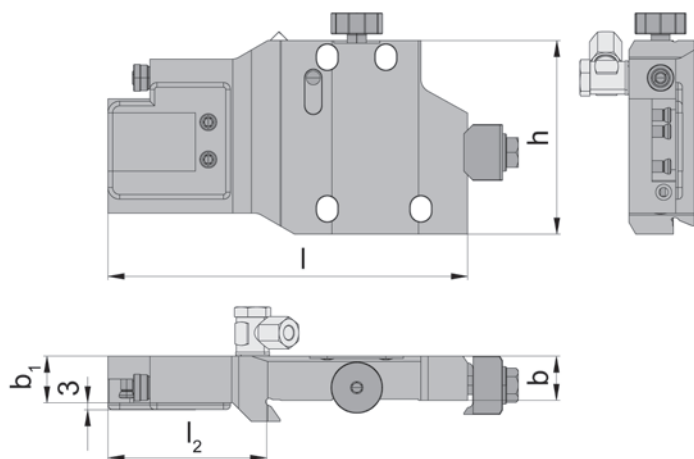
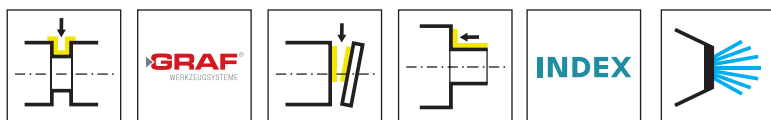


D



Aussparung unten  
L968.0842.MS.B16.02.IK  
für Lage 5.1 / 6.1

Bottom recess  
L968.0842.MS.B16.02.IK  
for position 5.1 / 6.1



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number  | l      | h    | b    | b <sub>1</sub> | l <sub>2</sub> | HWS             | HMS                  |
|-------------------------------|--------|------|------|----------------|----------------|-----------------|----------------------|
| <b>R968.0842.MS.A06.01.IK</b> | 40     | 74,5 | 27,5 | 20             | -              | 842001 • 842002 | INDEX MS16           |
| <b>R968.0842.MS.D16.01.IK</b> | 154    | 83   | 19   | 20             | 68             | 842001 • 842002 | INDEX MS32-MS40      |
| <b>R968.0842.MS.E06.01.IK</b> | 179    | 86   | 36   | 22             | 93             | 842001 • 842002 | INDEX MS52           |
| <b>L968.0842.MS.B06.01.IK</b> | 133    | 65   | 21   | 17             | 63             | 842001 • 842002 | INDEX MS18-MS22-MS24 |
| <b>L968.0842.MS.B06.02.IK</b> | 133    | 65   | 21   | 27,5           | 69             | 842001 • 842002 | INDEX MS18-MS22-MS24 |
| <b>L968.0842.MS.B06.03.IK</b> | 133    | 65   | 21   | 27,5           | 69             | 842001 • 842002 | INDEX MS18-MS22-MS24 |
| <b>L968.0842.MS.B16.01.IK</b> | 113    | 65   | 21   | 27,5           | 49             | 842001 • 842002 | INDEX MS18-MS22-MS24 |
| <b>L968.0842.MS.B16.02.IK</b> | 113    | 65   | 21   | 27,5           | 49             | 842001 • 842002 | INDEX MS18-MS22-MS24 |
| <b>L968.0842.MS.B16.03.IK</b> | 113    | 65   | 21   | 27,5           | 49             | 842001 • 842002 | INDEX MS18-MS22-MS24 |
| <b>L968.0842.MS.B16.04.IK</b> | 108,22 | 65   | 21   | 21             | 74,6           | 842001 • 842002 | INDEX MS18-MS22-MS24 |
| <b>L968.0842.MS.B16.06.IK</b> | 86,7   | 65   | 21   | 21             | 49,7           | 842001 • 842002 | INDEX MS18-MS22-MS24 |
| <b>L968.0842.MS.D16.01.IK</b> | 154    | 83   | 19   | 20             | 68             | 842001 • 842002 | INDEX MS32-MS40      |
| <b>L968.0842.MS.E06.01.IK</b> | 179    | 86   | 36   | 22             | 95             | 842001 • 842002 | INDEX MS52           |

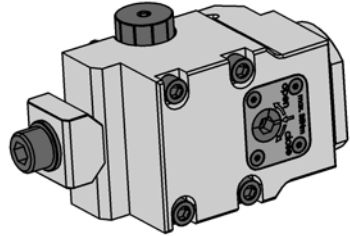
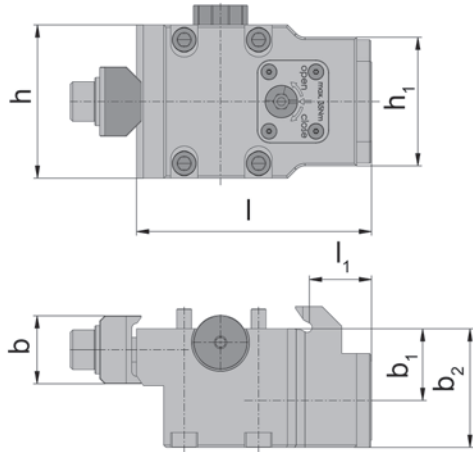
Die passenden Kassetten finden Sie im Kapitel E  
For the available cassettes please see chapter E

**Hinweis:**

Inbus- und Sechskantschraube gehören zum Lieferumfang des Grundhalters.

**Note:**

Allen screw and hexagon head screw are included with the basic holder.



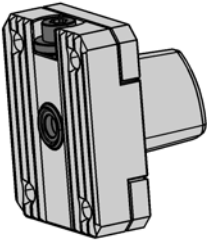
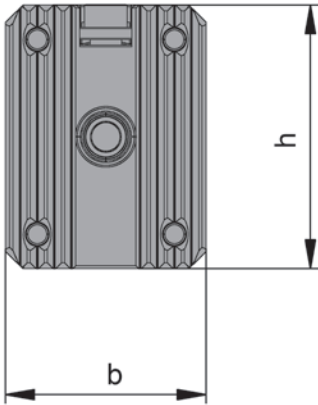
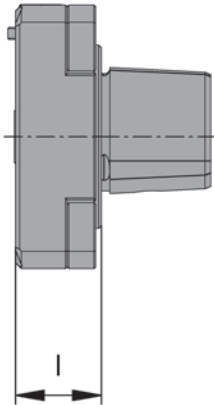
| Bestellnummer<br>Part number | l  | h <sub>1</sub> | h  | b <sub>2</sub> | b    | b <sub>1</sub> | HMS                  |
|------------------------------|----|----------------|----|----------------|------|----------------|----------------------|
| L968.00C3.MS.B16.03.IK       | 95 | 52             | 62 | 48             | 27,5 | 29             | INDEX MS18-MS22-MS24 |

**Hinweis:**  
Kann auf alle Lagen verbaut werden.

**Note:**  
Coolant tube is not included - separate order required!

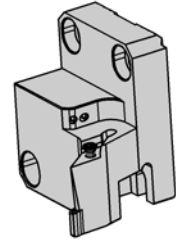
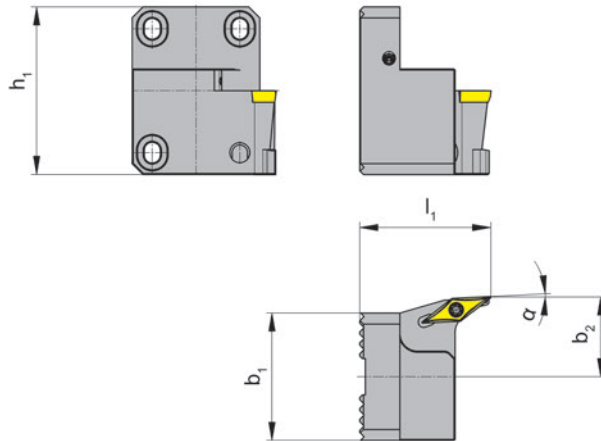
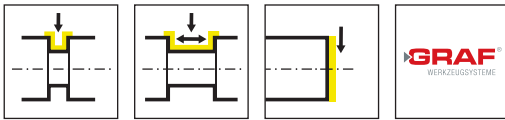


D



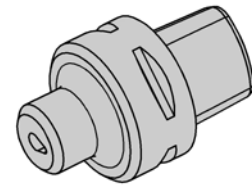
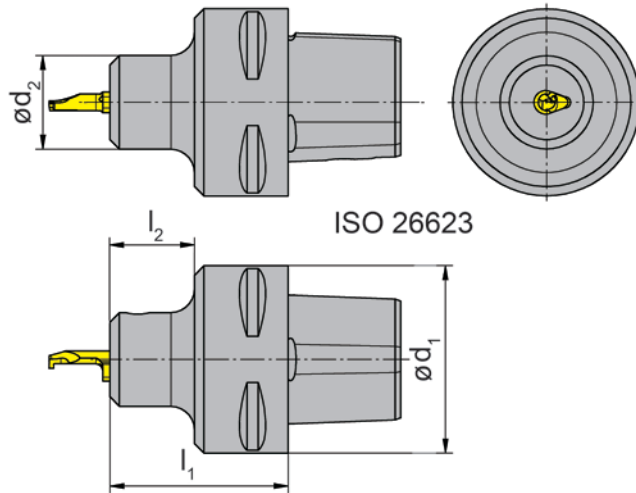
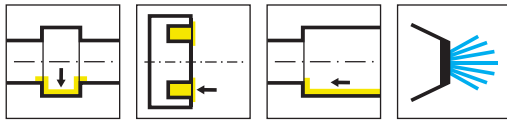
| Bestellnummer<br>Part number | l  | b  | h  |
|------------------------------|----|----|----|
| GF.C3.L15.01.IK              | 15 | 35 | 46 |





D

| Bestellnummer<br>Part number | $b_1$ | $b_2$ | $\alpha$ | $l_1$ | $h_1$ |
|------------------------------|-------|-------|----------|-------|-------|
| RHV.C3.R.001.DC11.2IK        | 35    | 22    | 3°       | 35,9  | 46    |
| RHV.C3.R.002.VC11.2IK        | 35    | 22    | 3°       | 35,9  | 46    |
| RHV.C3.R.003.CC09.2IK        | 35    | 22    | 3°       | 35,9  | 46    |
| RHV.C3.R.004.S274.2IK        | 39,3  | 22    | 0°       | 35,9  | 46    |
| RHV.C3.R.005.H315.2IK        | 39,2  | 22    | 1°       | 35,9  | 46    |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

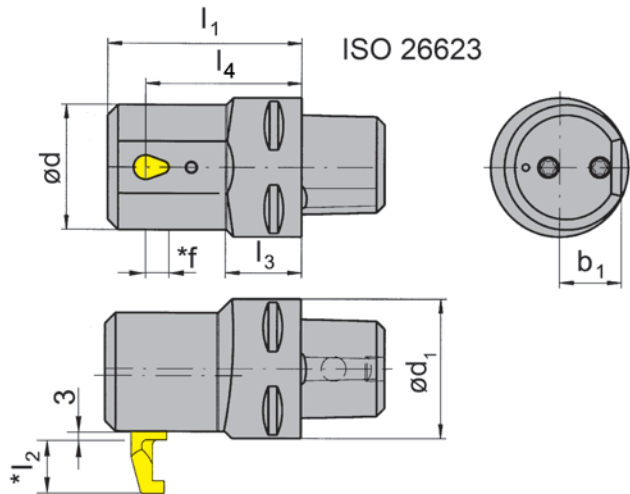
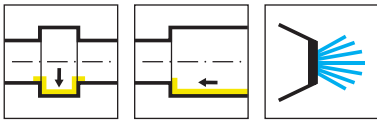
| Bestellnummer<br>Part number | d <sub>1</sub> | d <sub>2</sub> | l <sub>1</sub> | l <sub>2</sub> | HWS                      |
|------------------------------|----------------|----------------|----------------|----------------|--------------------------|
| <b>RB105.00C3.20.1.01</b>    | 32             | 20             | 30             | 15             | 105123 • 105124 • 105125 |
| <b>LB105.00C3.20.1.01</b>    | 32             | 20             | 30             | 15             | 105123 • 105124 • 105125 |

für INDEX Mehrspindler  
for INDEX Multi spindle machines

## Ersatzteile

Spare Parts

| Klemmhalter<br>Toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------|---------------------------------|-------------------------------------------|
| R/LB105.00C3.20.1.01      | <b>6.075T15P</b>                | <b>T15PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | d <sub>1</sub> | l <sub>3</sub> | d  | l <sub>1</sub> | l <sub>4</sub> | b <sub>1</sub> | HWS    |
|------------------------------|----------------|----------------|----|----------------|----------------|----------------|--------|
| <b>RB110.00C3.2.2.02</b>     | 32             | 15             | 36 | 56             | 45             | 18             | 110260 |
| <b>RB110.00C4.2.2.02</b>     | 40             | 22             | 36 | 56             | 45             | 18             | 110260 |

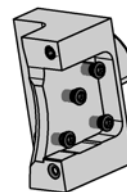
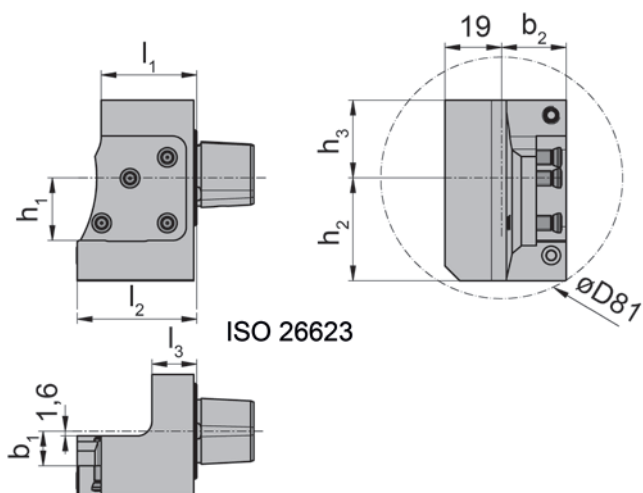
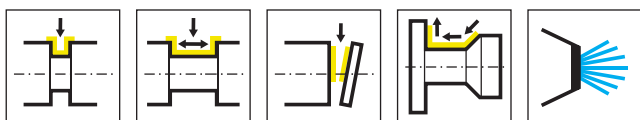
f, l2 siehe Schneidplatte Typ 110  
f, l2 see inserts type 110

für INDEX Mehrspindler  
for INDEX Multi spindle machines

## Ersatzteile

Spare Parts

| Klemmhalter<br>Toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------|---------------------------------|-------------------------------------------|
| RB110...                  | <b>6.075T15P</b>                | <b>T15PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

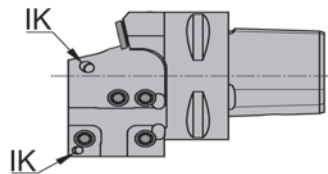
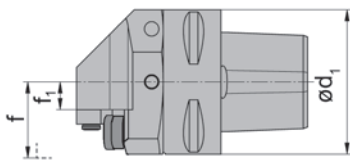
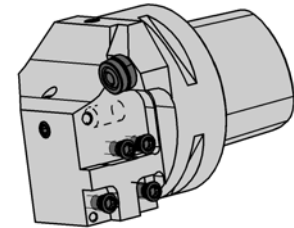
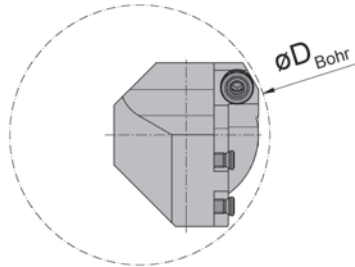
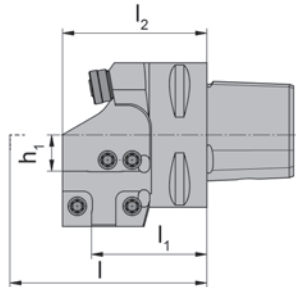
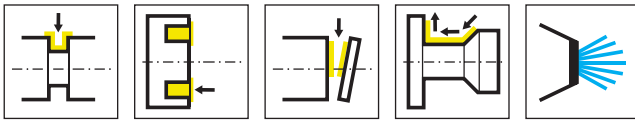
| Bestellnummer<br>Part number | $l_2$ | $l_1$ | $h_1$ | $h_2$ | $h_3$ | $b_1$ | $l_3$ | $b_2$ | HWS             |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| <b>C3.L842.A.01.K1</b>       | 40    | 32    | 21    | 34,5  | 26    | 11,6  | 15    | 21,6  | 842001 • 842002 |
| <b>C3.R842.A.01.K1</b>       | 40    | 32    | 21    | 34,5  | 26    | 11,6  | 15    | 21,6  | 842001 • 842002 |

Kugelspritzdüse optional  
Coolant spray nozzle optional

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| C3...                           | <b>5.18T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $l$         | $l_2$ | $d_1$ | $h_1$ | $f_1$ | $f$         | HWS    |
|------------------------------|-------|-------------|-------|-------|-------|-------|-------------|--------|
| <b>R220.00C3.K1.IK</b>       | 36    | $l_1 + l_k$ | 46    | 32    | 12,5  | 4,6   | $f_1 + f_3$ | 220001 |

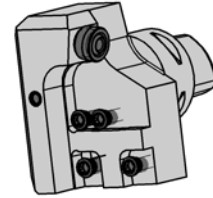
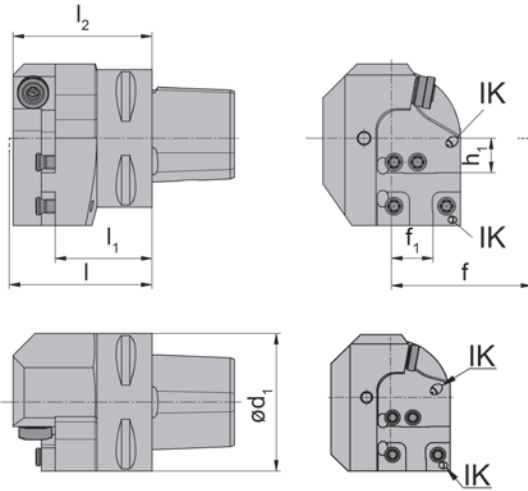
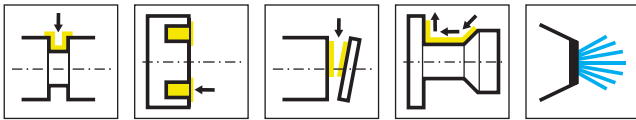
Abmessungen für DBohr, f3 und IK siehe Kassetten  
Dimensions for DBore, f3 and IK see cassettes

R/L220....IK Kugelspritzdüse optional  
R/L220....IK Coolant spray nozzle optional

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| R220.00C3.K1.IK                 | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

L = Linksausführung  
L = left hand version

| Bestellnummer<br>Part number | $l_1$ | $l$         | $l_2$ | $d_1$ | $h_1$ | $f_1$ | $f$            | HWS    |
|------------------------------|-------|-------------|-------|-------|-------|-------|----------------|--------|
| <b>R220.00C3.K2.IK</b>       | 31,2  | $l_1 + f_3$ | 46,5  | 32    | 12,5  | 10    | $f_1 + l_{IK}$ | 220002 |
| <b>R220.00C4.K2.IK</b>       | 35,2  | $l_1 + f_3$ | 50,5  | 40    | 12,5  | 10    | $f_1 + l_{IK}$ | 220002 |

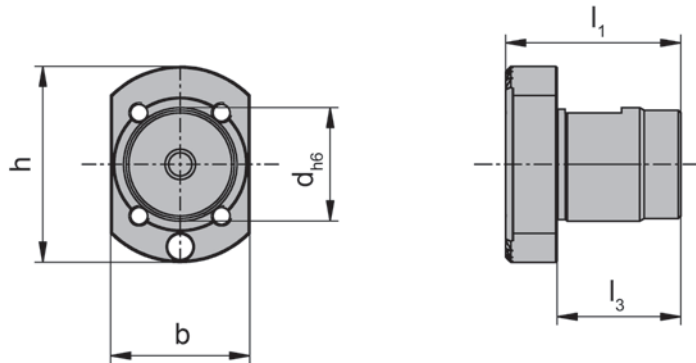
Abmessungen für Dmin, f3 und lK siehe Kassetten  
Dimensions for Dmin, f3 and lK see cassettes

Kugelspritzdüse optional  
Coolant spray nozzle optional

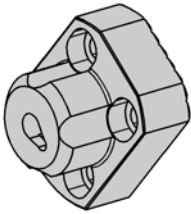
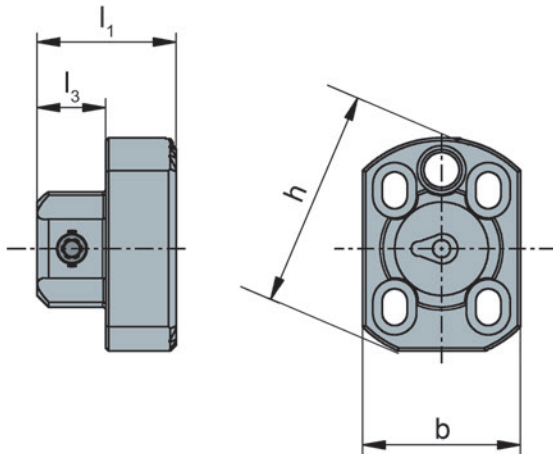
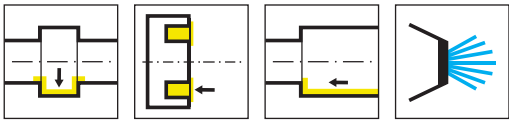
### Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------------|---------------------------------|-------------------------------------------|
| R220...                         | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



| Bestellnummer<br>Part number | h  | b  | d  | $l_1$ | $l_3$ |
|------------------------------|----|----|----|-------|-------|
| <b>BGT.MS.0015.16</b>        | 32 | 17 | 15 | 26    | 16    |
| <b>BGT.MS.0022.24</b>        | 38 | 27 | 22 | 34    | 24    |
| <b>BGT.MS.0024.22</b>        | 50 | 27 | 24 | 34    | 22    |
| <b>BGT.MS.0032.32</b>        | 50 | 43 | 32 | 42    | 32    |
| <b>BGT.MS.0042.35</b>        | 62 | 43 | 42 | 48    | 35    |

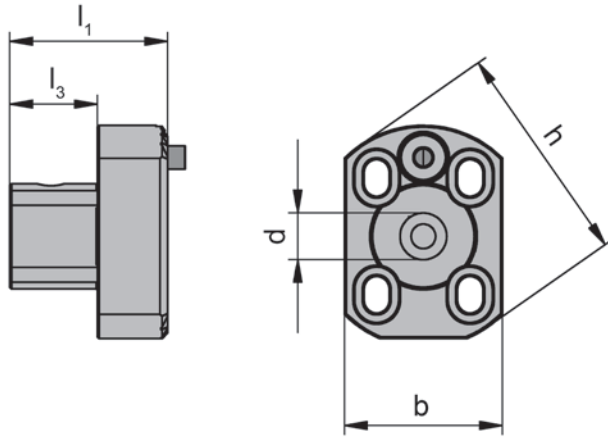
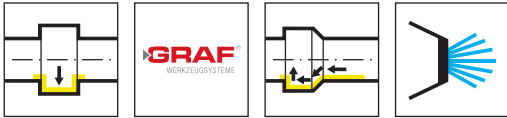


| Bestellnummer<br>Part number | b  | l <sub>1</sub> | h  | l <sub>3</sub> | HWS                      | HMS                     |
|------------------------------|----|----------------|----|----------------|--------------------------|-------------------------|
| BKT105.1732.00.01.IK         | 17 | 24             | 32 | 12             | 105123 • 105124 • 105125 | Kerbverzahnung 60° / T3 |
| BKT105.2738.00.01.IK         | 27 | 24             | 38 | 12             | 105123 • 105124 • 105125 | Kerbverzahnung 60° / T3 |
| BKT105.4350.00.01.IK         | 43 | 24             | 50 | 12             | 105123 • 105124 • 105125 | Kerbverzahnung 60° / T3 |

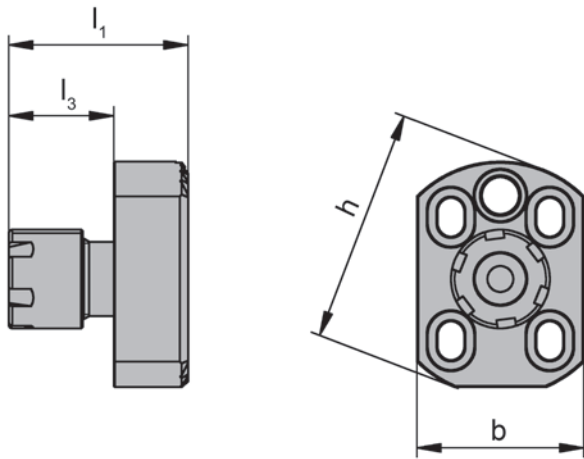
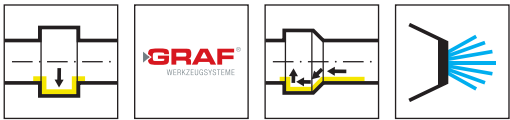
Ersatzteile  
Spare Parts

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

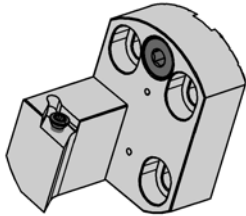
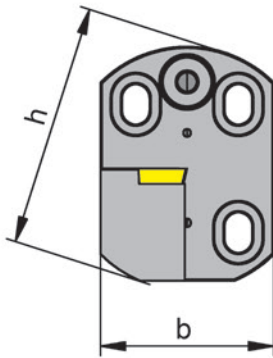
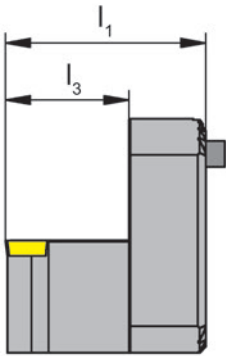
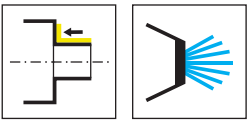




| Bestellnummer<br>Part number | b  | l <sub>1</sub> | h  | l <sub>3</sub> | d  |
|------------------------------|----|----------------|----|----------------|----|
| <b>BKT.D008.1732.01.IK</b>   | 17 | 25             | 32 | 13             | 8  |
| <b>BKT.D008.2738.01.IK</b>   | 27 | 27             | 38 | 15             | 8  |
| <b>BKT.D010.2738.01.IK</b>   | 27 | 27             | 38 | 15             | 10 |
| <b>BKT.D012.4350.01.IK</b>   | 43 | 52             | 50 | 40             | 12 |
| <b>BKT.D016.4350.01.IK</b>   | 43 | 55             | 50 | 43             | 16 |



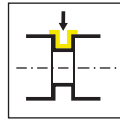
| Bestellnummer<br>Part number | b  | l <sub>1</sub> | h  | l <sub>3</sub> |
|------------------------------|----|----------------|----|----------------|
| BKT.ER11.1732.01.IK          | 17 | 29             | 32 | 17             |
| BKT.ER11.2738.01.IK          | 27 | 29             | 38 | 17             |
| BKT.ER20.4350.01.IK          | 43 | 50             | 50 | 38             |



D

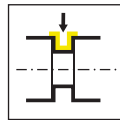
| Bestellnummer<br>Part number | b  | l <sub>1</sub> | h  | l <sub>3</sub> |
|------------------------------|----|----------------|----|----------------|
| RKT.SDJCR.07.1732.2.S.IK     | 17 | 30             | 32 | 18             |
| RKT.SDJCR.07.2738.4.S.IK     | 27 | 31             | 38 | 19             |
| RKT.SVJCR.07.1732.2.S.IK     | 17 | 30             | 32 | 18             |
| RKT.SVJCR.11.2738.4.S.IK     | 27 | 31             | 32 | 19             |
| RKT.SVJCR.11.4350.4.S.IK     | 43 | 50,5           | 50 | 36,5           |

Grundhalter  
Basic toolholder  
849/N849/N850/969

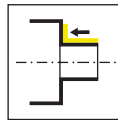


Seite/Page  
176-177, 188, 194

Kassette  
Cassette  
N849/849/R850/NK356

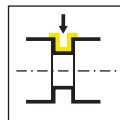


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190-192



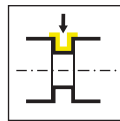
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181

Aufnahme  
Adaptor  
N849



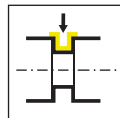
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182

Kassettenaufnahme  
Adapter for cassettes  
849/R850



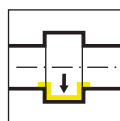
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Schwertaufnahme  
Adaptor for blades  
849



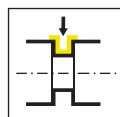
Seite/Page  
185

Bohrstangen-Aufnahme  
Adaptor for boring bars  
N849/849



Seite/Page  
186-187

Stechhaltestück  
Grooving toolholder  
969



Seite/Page  
195-197

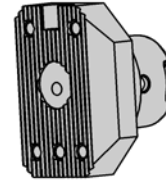
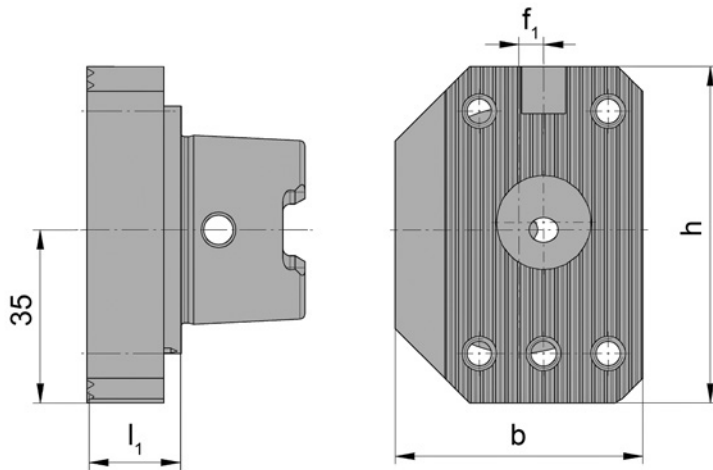
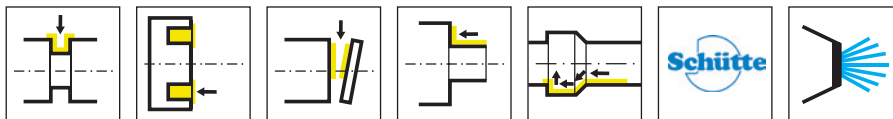
**849/850/969**



**D**

**Modulares System für  
Mehrspindler Schütte**

**Modular System for  
multi-spindle machine  
Schütte**



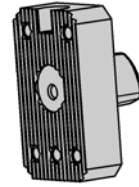
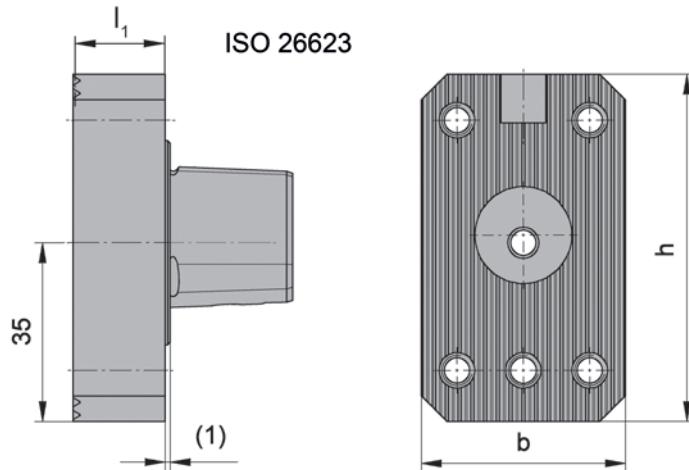
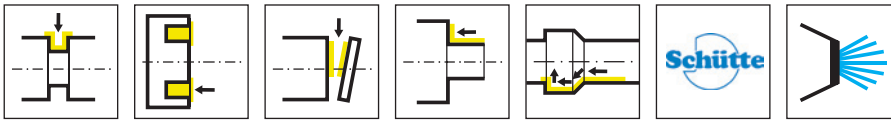
| Bestellnummer<br>Part number | h  | b  | f <sub>1</sub> | l <sub>1</sub> | HWS     |
|------------------------------|----|----|----------------|----------------|---------|
| HSKW-N849.0040.01            | 68 | 40 | -              | 18,5           | Schütte |
| HSKW-L849.0050.01            | 68 | 50 | 5              | 18,5           | Schütte |
| HSKW-R849.0050.01            | 68 | 50 | 5              | 18,5           | Schütte |

Mitnahmenuten mit eingengter Toleranz nach ICTM  
Drive slots with reduced tolerance per ICTM

## Ersatzteile

Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw |
|---------------------------------|---------------------------------|
| HSKW-N849...                    | 030.0006.0503                   |

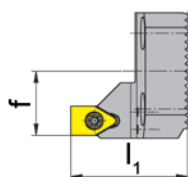
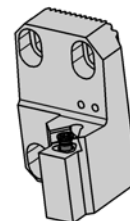
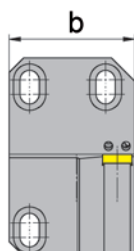
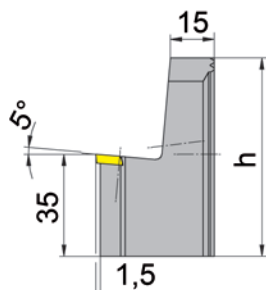
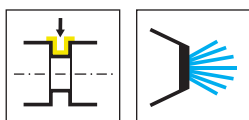


**D**

| Bestellnummer<br>Part number | h  | b  | l <sub>1</sub> | HWS     |
|------------------------------|----|----|----------------|---------|
| <b>N849.00C3.01</b>          | 68 | 40 | 18,5           | Schütte |
| <b>N849.00C4.01</b>          | 68 | 40 | 18,5           | Schütte |

**Ersatzteile**  
Spare Parts

| Grundhalter<br>Basic toolholder | Spannschraube<br>Clamping Screw |
|---------------------------------|---------------------------------|
| N849...                         | <b>030.0006.0503</b>            |



| Bestellnummer<br>Part number | h  | b  | f    | l <sub>1</sub> | HWS     | HMS     |
|------------------------------|----|----|------|----------------|---------|---------|
| N849.0117R.10.00             | 68 | 43 | 22   | 40             | 1171005 | Schütte |
| N849.0117R.12.00             | 68 | 43 | 22   | 40             | 1171205 | Schütte |
| N849.0117R.16.00             | 68 | 43 | 22   | 45             | 1171605 | Schütte |
| N849.0117R.20.00             | 68 | 43 | 22,5 | 50             | 1172005 | Schütte |
| N849.0117R.26.00             | 68 | 43 | 22   | 55             | 1172605 | Schütte |
| N849.0117R.32.00             | 68 | 41 | 22   | 40             | 1173205 | Schütte |

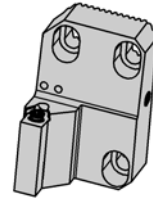
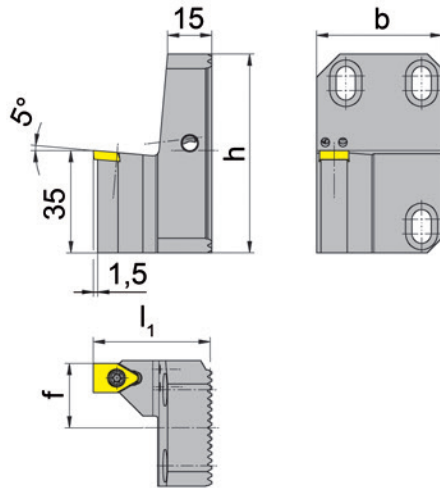
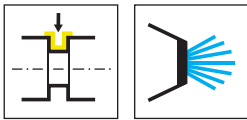
Höheneinstellbarkeit  
+ 3 / -1 mm  
Height-adjustable  
+ 3 / -1 mm

## Ersatzteile

Spare Parts

| Kassette<br>Cassette       | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------------|---------------------------------|-------------------------------------------|
| N849.0117R.10.00/...12.00  | 4.09T15P                        | T15PQ                                     |
| N849.0117R.16.00/...32.00  | 5.12T20P                        | T20PQ                                     |
| N849.0117R..26.00/...20.00 | 6.17T20P                        | T20PQ                                     |





**D**

| Bestellnummer<br>Part number | h  | b  | f    | l <sub>1</sub> | HWS     | HMS     |
|------------------------------|----|----|------|----------------|---------|---------|
| <b>N849.0117L.10.00</b>      | 68 | 43 | 22   | 40             | 1171005 | Schütte |
| <b>N849.0117L.12.00</b>      | 68 | 43 | 22   | 40             | 1171205 | Schütte |
| <b>N849.0117L.16.00</b>      | 68 | 43 | 22   | 45             | 1171605 | Schütte |
| <b>N849.0117L.20.00</b>      | 68 | 43 | 22,5 | 50             | 1172005 | Schütte |
| <b>N849.0117L.26.00</b>      | 68 | 43 | 22   | 55             | 1172605 | Schütte |
| <b>N849.0117L.32.00</b>      | 68 | 41 | 22   | 40             | 1173205 | Schütte |

Höheneinstellbarkeit

+ 3 / -1 mm

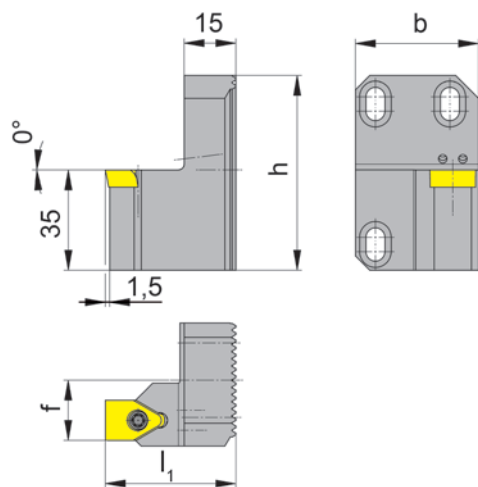
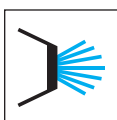
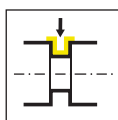
Height-adjustable

+ 3 / -1 mm

## Ersatzteile

Spare Parts

| Kassette<br>Cassette      | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|---------------------------|---------------------------------|-------------------------------------------|
| N849.0117L.10.00/...12.00 | <b>4.09T15P</b>                 | <b>T15PQ</b>                              |
| N849.0117L.16.00/...32.00 | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |
| N849.0117L.26.00/...20.00 | <b>6.17T20P</b>                 | <b>T20PQ</b>                              |



| Bestellnummer<br>Part number | h  | b  | f    | l <sub>1</sub> | HWS     | HMS     |
|------------------------------|----|----|------|----------------|---------|---------|
| <b>N849.0117R.16.M0</b>      | 68 | 43 | 22   | 45             | 1171605 | Schütte |
| <b>N849.0117R.20.M0</b>      | 68 | 43 | 22,5 | 50             | 1172005 | Schütte |
| <b>N849.0117R.26.M0</b>      | 68 | 43 | 22   | 55             | 1172605 | Schütte |
| <b>N849.0117R.32.M0</b>      | 68 | 41 | 22   | 40             | 1173205 | Schütte |

Höheneinstellbarkeit

+ 3 / -1 mm

Height-adjustable

+ 3 / -1 mm

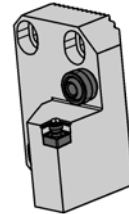
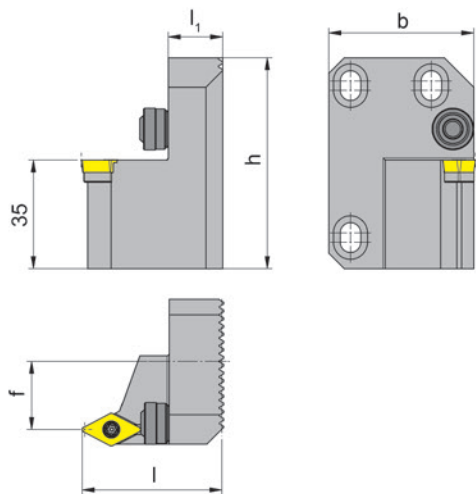
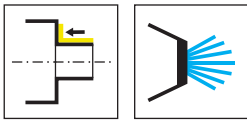
Einlegewinkel / Spanwinkel 0° für Messingbearbeitung

Mounting angle / rake angle 0° for brass machining

## Ersatzteile

Spare Parts

| Kassette<br>Cassette       | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------------|---------------------------------|-------------------------------------------|
| N849.0117R.16.M0/...32.M0  | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |
| N849.0117R..26.M0/...20.M0 | <b>6.17T20P</b>                 | <b>T20PQ</b>                              |



D

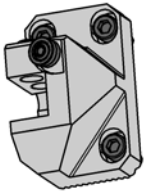
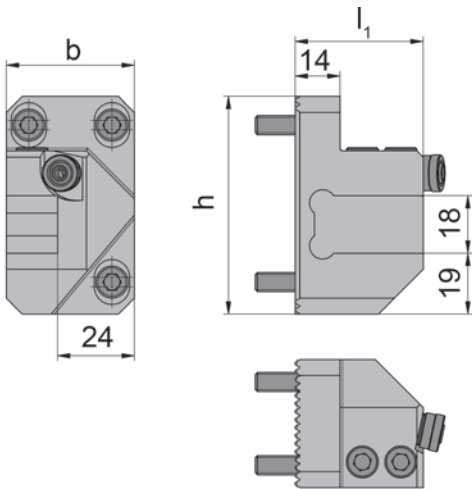
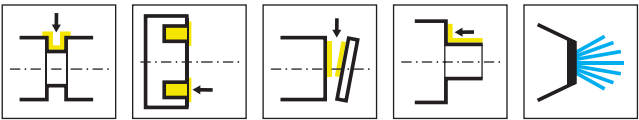
| Bestellnummer<br>Part number | h  | b    | f    | l <sub>1</sub> | l  | HMS     |
|------------------------------|----|------|------|----------------|----|---------|
| <b>R849.SCLCR.12.00</b>      | 68 | 45,1 | 27   | 17             | 45 | Schütte |
| <b>R849.SCLCR.09.00</b>      | 68 | 45,5 | 27   | 17             | 45 | Schütte |
| <b>R849.SVJBR.16.00</b>      | 68 | 46,2 | 27   | 17             | 50 | Schütte |
| <b>R849.SDJCR.11.00</b>      | 68 | 46,7 | 27   | 17             | 45 | Schütte |
| <b>R849.SVJBL.16.00</b>      | 68 | 49,5 | 14,9 | 17             | 50 | Schütte |

Höheneinstellbarkeit  
± 1 mm  
Height-adjustable  
± 1 mm

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Kugelspritzdüse<br>Coolant spray nozzle | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|-----------------------------------------|-------------------------------------------|
| R849...              | 020.1210.2966                           | T15PW                                     |

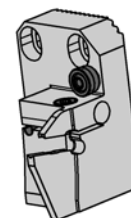
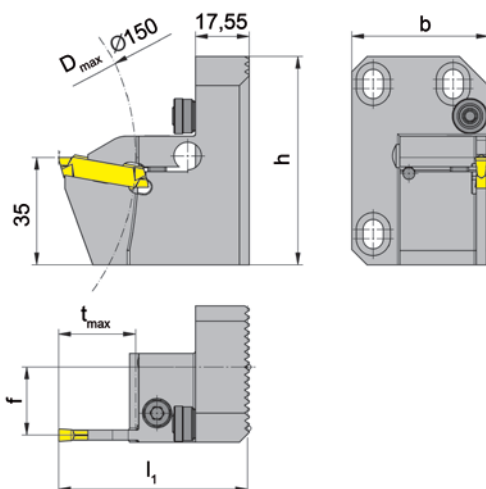
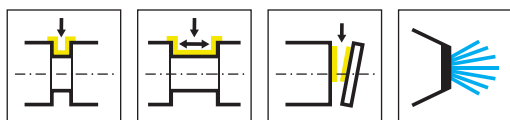


| Bestellnummer<br>Part number | h  | b  | l <sub>1</sub> | HMS     |
|------------------------------|----|----|----------------|---------|
| N849.1616L.60.K1             | 68 | 40 | 40             | Schütte |

Höheneinstellbarkeit  
± 1 mm  
Height-adjustable  
± 1 mm

Ersatzteile  
Spare Parts

| Aufnahme<br>Adaptor | Kugelspritzdüse<br>Coolant spray nozzle | Spannschraube<br>Clamping Screw |
|---------------------|-----------------------------------------|---------------------------------|
| N849.1616L.60.K1    | 020.1008.2976                           | 10.12.1835                      |



D

R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

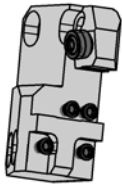
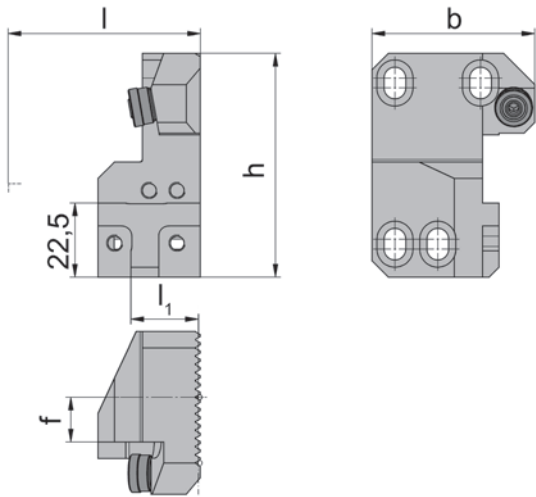
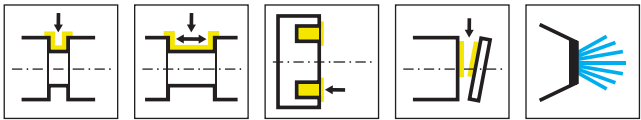
| Bestellnummer<br>Part number | h  | b    | f    | t <sub>max</sub> | l <sub>1</sub> | HWS             | HMS     |
|------------------------------|----|------|------|------------------|----------------|-----------------|---------|
| R849.0226R.00.03             | 68 | 45,5 | 23   | 25               | 61,5           | 229030 • 229040 | Schütte |
| R849.0226R.00.04             | 68 | 45,5 | 22,2 | 25               | 61,5           | 229040 • 229051 | Schütte |
| R849.0226R.00.05             | 68 | 45,5 | 21,7 | 25               | 61,5           | 229050 • 229051 | Schütte |
| R849.0226R.00.07             | 68 | 45,5 | 20,7 | 25               | 61,5           | 229070 • 229071 | Schütte |
| L849.0226L.00.03             | 68 | 45,5 | 23   | 25               | 61,5           | 229030 • 229040 | Schütte |
| L849.0226L.00.04             | 68 | 45,5 | 22,2 | 25               | 61,5           | 229040          | Schütte |
| L849.0226L.00.05             | 68 | 45,5 | 21,7 | 25               | 61,5           | 229050 • 229051 | Schütte |
| L849.0226L.00.07             | 68 | 45,5 | 20,7 | 25               | 61,5           | 229070 • 229071 | Schütte |

Höheneinstellbarkeit  
± 1 mm  
Height-adjustable  
± 1 mm

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Kugelspritzdüse<br>Coolant spray nozzle | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|-----------------------------------------|---------------------------------|-------------------------------------------|
| R/L849.0226.....     | 020.1008.2976                           | 6.23T25P                        | T25PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

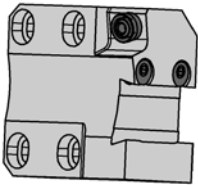
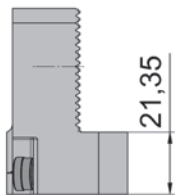
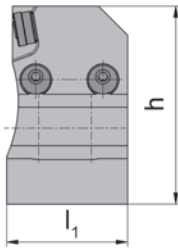
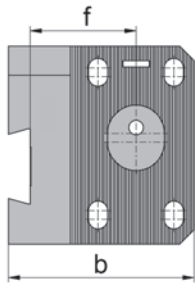
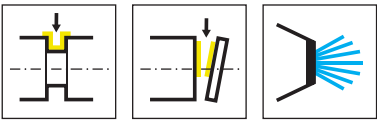
| Bestellnummer<br>Part number | h  | b    | f    | l <sub>1</sub> | l                              | HWS    | HMS     |
|------------------------------|----|------|------|----------------|--------------------------------|--------|---------|
| R849.0220R.41.00.IK          | 68 | 65,5 | 30,6 | 20,5           | l <sub>1</sub> +l <sub>K</sub> | 220001 | Schütte |
| R849.0220R.49.00.IK          | 68 | 49,5 | 13,6 | 14,5           | l <sub>1</sub> +l <sub>K</sub> | 220001 | Schütte |
| L849.0220L.41.00.IK          | 68 | 65,5 | 30,6 | 20,5           | l <sub>1</sub> +l <sub>K</sub> | 220002 | Schütte |
| L849.0220L.49.00.IK          | 68 | 49,5 | 13,6 | 14,5           | l <sub>1</sub> +l <sub>K</sub> | 220002 | Schütte |

Höheneinstellbarkeit  
± 1 mm  
Height-adjustable  
± 1 mm

lK siehe Kassetten  
lK see cassettes

Ersatzteile  
Spare Parts

| Kassettenaufnahme<br>Adapter for cassettes | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|--------------------------------------------|---------------------------------|-------------------------------------------|
| R/L849.0220....                            | 5.12T20P                        | T20PQ                                     |



**D**

| Bestellnummer<br>Part number | h  | b    | f    | l <sub>1</sub> | HMS     |
|------------------------------|----|------|------|----------------|---------|
| <b>R849.2608R.13.00</b>      | 68 | 63,8 | 36,3 | 41,5           | Schütte |

Höheneinstellbarkeit  
± 1 mm  
Height-adjustable  
± 1 mm

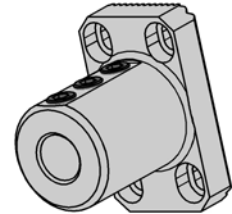
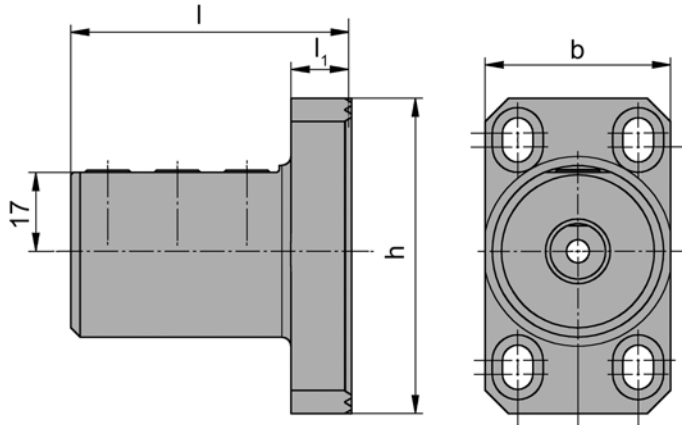
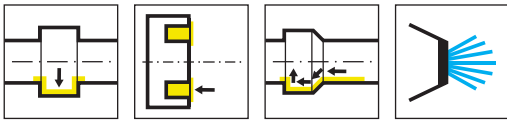
**Ersatzteile**  
Spare Parts

| Schwertaufnahme<br>Adaptor for blades | Spannschraube<br>Clamping Screw | Kugelspritzdüse<br>Coolant spray nozzle |
|---------------------------------------|---------------------------------|-----------------------------------------|
| <b>R849.2608R.13.00</b>               | <b>6.25.912</b>                 | <b>020.1008.2977</b>                    |

# Bohrstangen-Aufnahme

Adaptor for boring bars

## N849



| Bestellnummer<br>Part number | h  | b  | l <sub>1</sub> | l  | Klemmhalter<br>Toolholder | HMS     |
|------------------------------|----|----|----------------|----|---------------------------|---------|
| <b>N849.0012N.60.K1</b>      | 68 | 40 | 12,45          | 60 | B105.0012...              | Schütte |

Höheneinstellbarkeit

± 1 mm

Height-adjustable

± 1 mm

### Ersatzteile

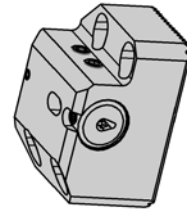
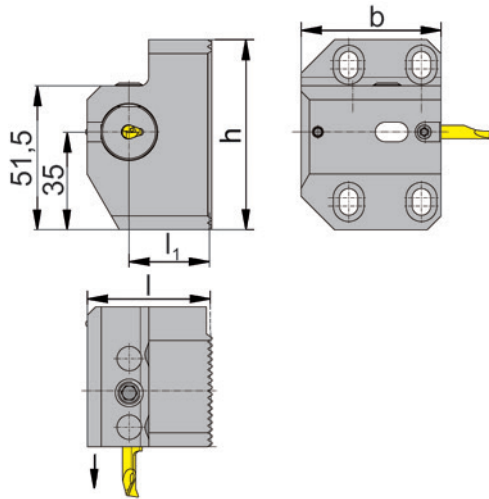
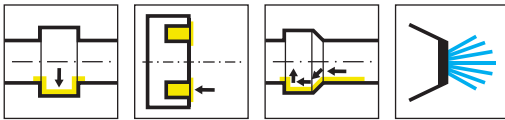
Spare Parts

| Bohrstangen-Aufnahme<br>Adaptor for boring bars | Spannschraube<br>Clamping Screw |
|-------------------------------------------------|---------------------------------|
| <b>N849.0012N.60.K1</b>                         | <b>10.12.1835</b>               |



# Bohrstangen-Aufnahme 849

Adaptor for boring bars



Länge einstellbar + 2 mm  
Length adjustable + 2 mm

| Bestellnummer<br>Part number | h  | b  | l <sub>1</sub> | l  | Klemmhalter<br>Toolholder | HWS                      | HMS     |
|------------------------------|----|----|----------------|----|---------------------------|--------------------------|---------|
| <b>R849.0012R.50.K2</b>      | 68 | 50 | 29             | 40 | B105.0012.0351            | 105123 • 105124 • 105125 | Schütte |
| <b>R849.0016R.50.K2</b>      | 68 | 50 | 29             | 40 | B105.0016.0352            | 105123 • 105124 • 105125 | Schütte |
| <b>R849.0020R.50.K2</b>      | 68 | 50 | 29             | 40 | B105.0020.0325            | 105123 • 105124 • 105125 | Schütte |

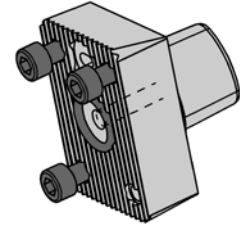
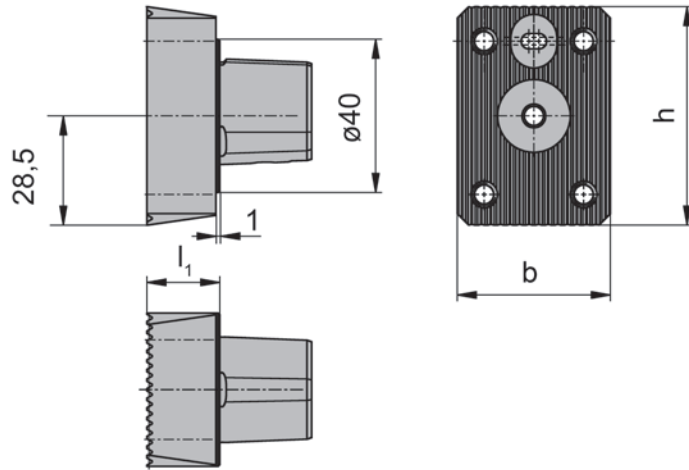
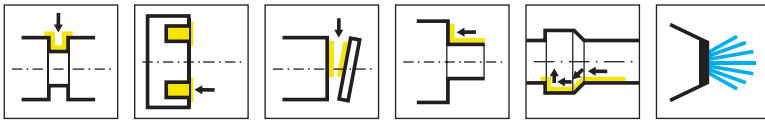
Höheneinstellbarkeit  
± 1 mm  
Height-adjustable  
± 1 mm

Die Bohrstangen sind nicht im Lieferumfang enthalten - bitte separat bestellen!  
Boring bars are not included - separate order required!

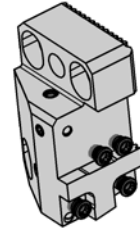
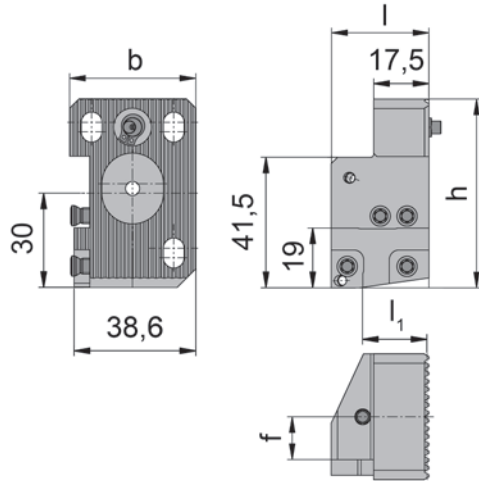
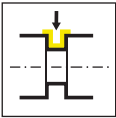
## Ersatzteile

Spare Parts

| Bohrstangen-Aufnahme<br>Adaptor for boring bars | Spannschraube<br>Clamping Screw |
|-------------------------------------------------|---------------------------------|
| R849.00...                                      | <b>030.5060.0596</b>            |
| R849.0020R.50.K2                                | <b>030.1008.0648</b>            |



| Bestellnummer<br>Part number | h  | b  | l <sub>1</sub> | HWS     |
|------------------------------|----|----|----------------|---------|
| <b>N850.00C3.01</b>          | 57 | 40 | 18,5           | Schütte |
| <b>N850.00C4.01</b>          | 57 | 40 | 18,5           | Schütte |



**D**

| Bestellnummer<br>Part number | h  | b  | f    | $l_1$ | l     | HWS    | HMS     |
|------------------------------|----|----|------|-------|-------|--------|---------|
| <b>R850.0220R.49.00.IK</b>   | 60 | 40 | 13,6 | 20,5  | 31,05 | 220001 | Schütte |

Höheneinstellbarkeit

± 1 mm

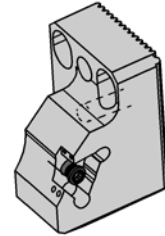
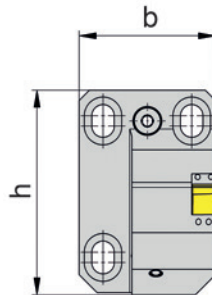
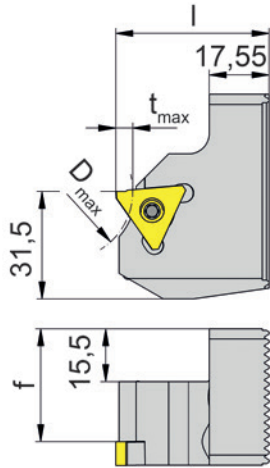
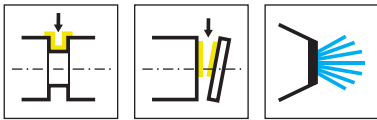
Height-adjustable

± 1 mm

## Ersatzteile

Spare Parts

| Kassettenaufnahme<br>Adapter for cassettes | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|--------------------------------------------|---------------------------------|-------------------------------------------|
| <b>R850.0220R.49.00.IK</b>                 | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



| Bestellnummer<br>Part number | t <sub>max</sub> | b  | f    | D <sub>max</sub> | l  | h  | HWS    | HMS     |
|------------------------------|------------------|----|------|------------------|----|----|--------|---------|
| <b>R850.0315.00.07.IK</b>    | 5                | 40 | 33,1 | 40               | 45 | 60 | 31507R | Schütte |
| <b>R850.0315.00.10.IK</b>    | 5                | 40 | 29,9 | 40               | 45 | 60 | 31510R | Schütte |
| <b>R850.0315.00.13.IK</b>    | 5                | 40 | 26,9 | 40               | 45 | 60 | 31513R | Schütte |

Höheneinstellbarkeit

± 1 mm

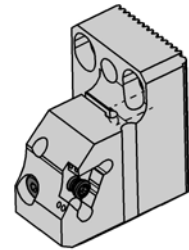
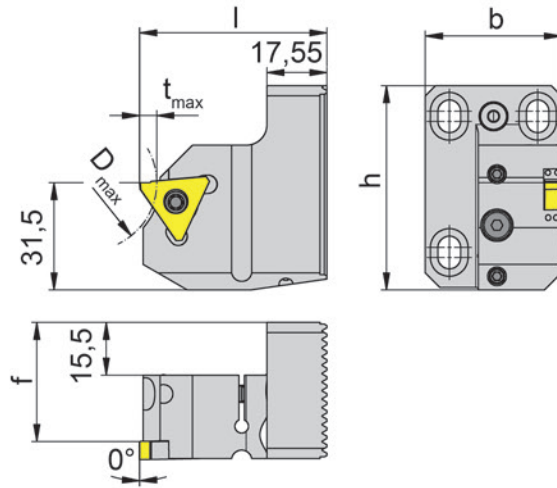
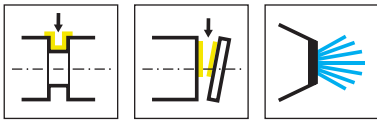
Height-adjustable

± 1 mm

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R850...              | <b>5.15T20P</b>                 | <b>T20PQ</b>                              |



D

| Bestellnummer<br>Part number | t <sub>max</sub> | b  | f    | D <sub>max</sub> | l  | h  | HWS    | HMS     |
|------------------------------|------------------|----|------|------------------|----|----|--------|---------|
| R850.0315.01.05.IK           | 5                | 40 | 34,9 | 40               | 55 | 60 | 31505R | Schütte |
| R850.0315.01.07.IK           | 5                | 40 | 33,1 | 40               | 55 | 60 | 31507R | Schütte |
| R850.0315.01.10.IK           | 5                | 40 | 29,9 | 40               | 55 | 60 | 31510R | Schütte |
| R850.0315.01.13.IK           | 5                | 40 | 26,9 | 40               | 55 | 60 | 31513R | Schütte |

Höheneinstellbarkeit

± 1 mm

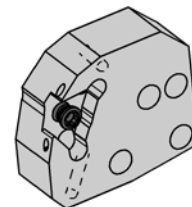
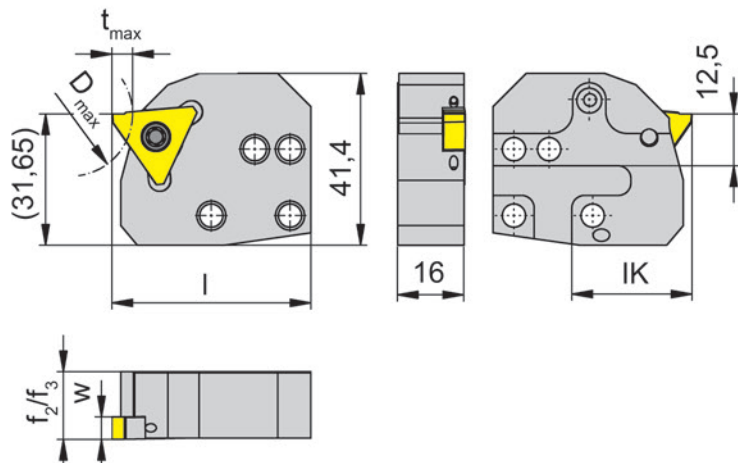
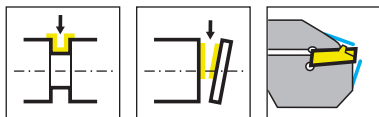
Height-adjustable

± 1 mm

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R850.0315.01...      | 5.15T20P                        | T10PL                                     |



| Bestellnummer<br>Part number | $t_{max}$ | $f_3$     | $f_2$ | $D_{max}$ | $l_K$ | HWS    | HMS    |
|------------------------------|-----------|-----------|-------|-----------|-------|--------|--------|
| <b>RNK356.0850.4.25.IK</b>   | 5         | $f_3=f_2$ | 16,3  | 185       | 29    | 31505R | 220001 |

w siehe WSP  
w see indexable inserts

### Ersatzteile

Spare Parts

| Kassette<br>Cassette       | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------------|---------------------------------|-------------------------------------------|
| <b>RNK356.0850.4.25.IK</b> | <b>5.12T20P</b>                 | <b>T20PQ</b>                              |



## Mehrspindler multi-spindle machine



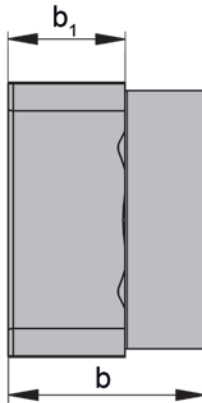
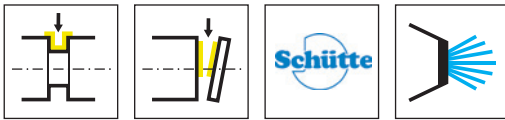
für Kassette System 842  
for cassette system 842



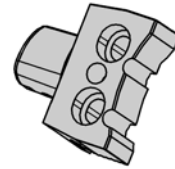
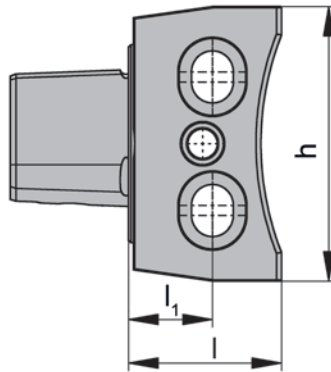
für Kassette System 840  
for cassette system 840



für Klemmhalter mit Quadratschaft  
for toolholder with square shank

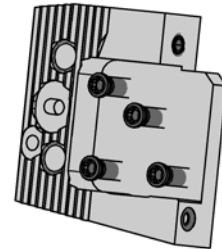
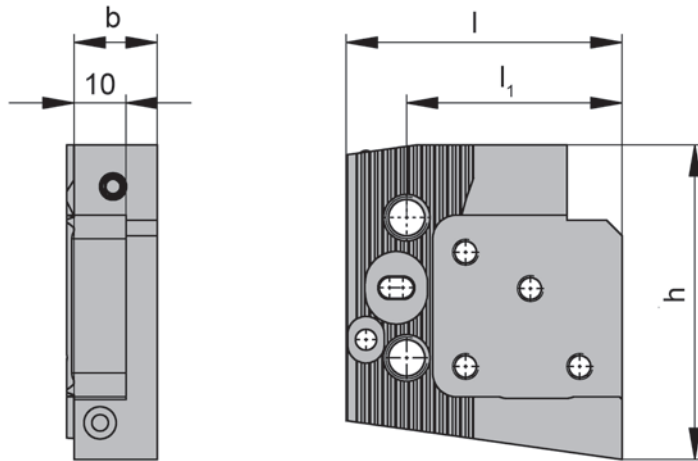
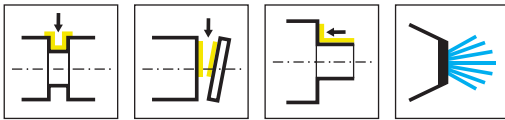


ISO 26623



| Bestellnummer<br>Part number | $l_1$ | $l$ | $b_1$ | $h$  | $b$ | HWS     |
|------------------------------|-------|-----|-------|------|-----|---------|
| <b>R969.00C4.01</b>          | 17    | 31  | 1000  | 55,5 | 40  | Schütte |





D

Abbildung = R969.I...

| Bestellnummer<br>Part number | l  | l <sub>1</sub> | h  | b  | HWS             | HMS     |
|------------------------------|----|----------------|----|----|-----------------|---------|
| <b>R969.I.16.842.0050.IK</b> | 53 | 42             | 61 | 16 | 842001 • 842002 | Schütte |
| <b>R969.A.16.842.0050.IK</b> | 53 | 42             | 61 | 16 | 842001 • 842002 | Schütte |

Höheneinstellbarkeit

± 1 mm

Height-adjustable

± 1 mm

Die passenden Kassetten finden Sie im Kapitel E

For the available cassettes please see chapter E

## Ersatzteile

Spare Parts

| Stechhaltestück<br>Grooving toolholder | Kugelspritzdüse<br>Coolant spray nozzle | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------------------------|-----------------------------------------|---------------------------------|-------------------------------------------|
| R969...                                | 020.0806.3116                           | 5.15T20P                        | T20PQ                                     |

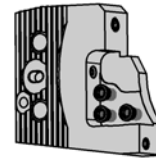
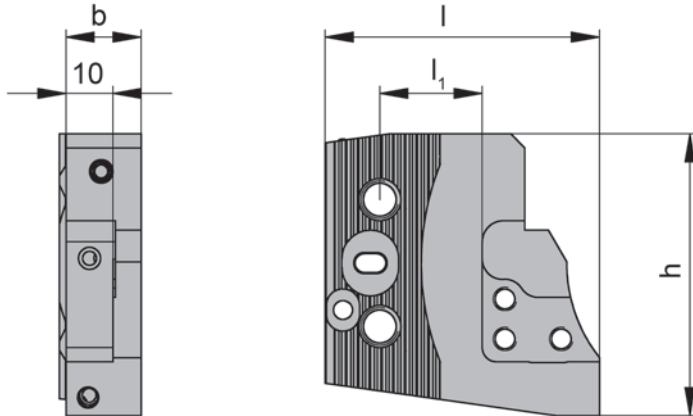
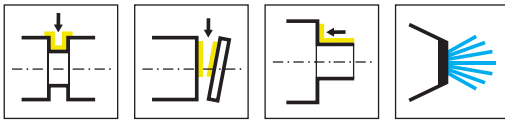


Abbildung = R969.I...

| Bestellnummer<br>Part number | l    | l <sub>1</sub> | h  | b  | HWS             | HMS     |
|------------------------------|------|----------------|----|----|-----------------|---------|
| <b>R969.I.16.840.0040.IK</b> | 58,5 | 21,8           | 60 | 16 | 840001 • 840002 | Schütte |
| <b>R969.A.16.840.0040.IK</b> | 58,5 | 21,8           | 60 | 16 | 840001 • 840002 | Schütte |

Höheneinstellbarkeit

± 1 mm

Height-adjustable

± 1 mm

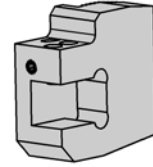
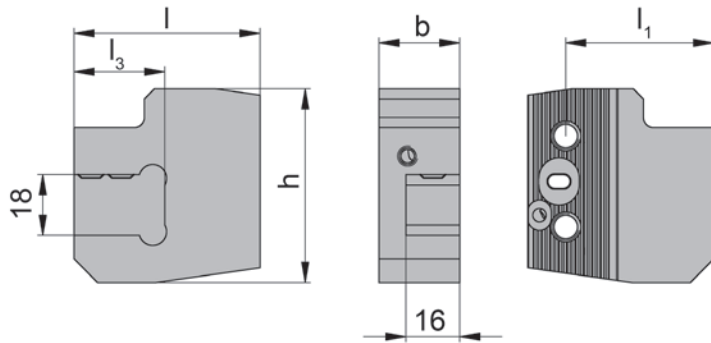
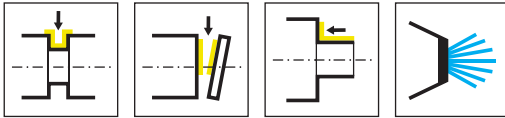
Die passenden Kassetten finden Sie im Kapitel B

For the available cassettes please see chapter B

## Ersatzteile

Spare Parts

| Stechhaltestück<br>Grooving toolholder | Spannschraube<br>Clamping Screw | Kugelspritzdüse<br>Coolant spray nozzle | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------------------------|---------------------------------|-----------------------------------------|-------------------------------------------|
| R969...                                | <b>5.12T20P</b>                 | <b>020.0806.3116</b>                    | <b>T20PQ</b>                              |



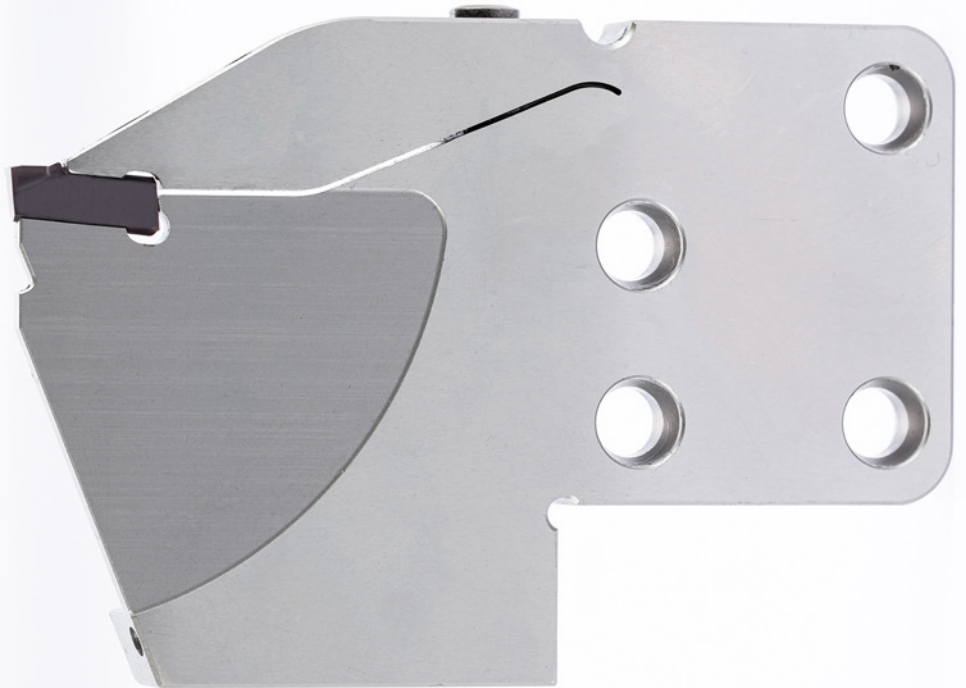
**D**

| Bestellnummer<br>Part number   | $l$  | $l_1$ | $l_3$ | $h$  | $b$ | HMS     |
|--------------------------------|------|-------|-------|------|-----|---------|
| <b>R.969.A.24.1616.0055.IK</b> | 55,3 | 44    | 27    | 57,5 | 24  | Schütte |

Höheneinstellbarkeit  
 $\pm 1$  mm  
Height-adjustable  
 $\pm 1$  mm

D





E

System/System

Seite/Page

**842**

**200**

**845**

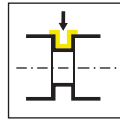
**210**

# Einstecken und Abstecken (außen)

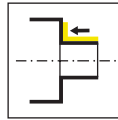
Grooving and Parting off (external)



Kassette  
Cassette  
NK100/NK101/NK224/  
K842/NK368



Seite/Page  
202-207, 209



Seite/Page  
208

E

**842**



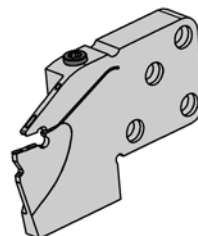
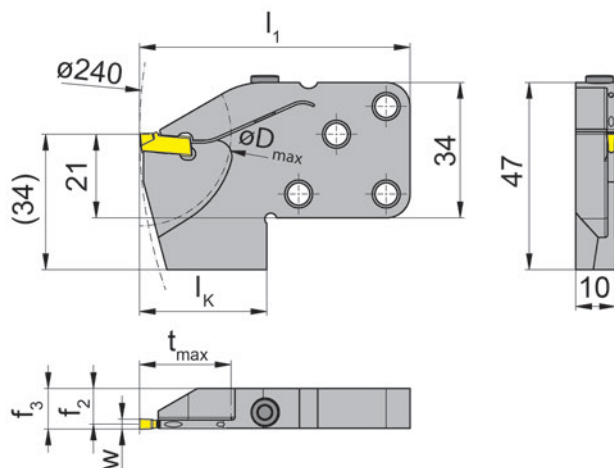
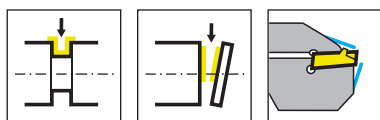
**E**

### **Kassetten für Schnittstelle 842**

Die passenden Schneidplatten  
finden Sie in unserem Katalog  
**Stechdrehen und Nutstossen**

### **Cassettes for interface 842**

For the available inserts  
please see our catalogue  
**Grooving and Broaching**



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | f <sub>2</sub> | f <sub>3</sub>      | w   | D <sub>max</sub> | l <sub>1</sub> | l <sub>k</sub> | HWS    | HMS             |
|------------------------------|------------------|----------------|---------------------|-----|------------------|----------------|----------------|--------|-----------------|
| RNK100.0842.16.5.71.IK       | 17               | 9,2            | f <sub>2</sub> +w/2 | 2   | 34               | 68             | 32             | 100018 | 842001 • 842002 |
| RNK100.0842.17.5.71.IK       | 17               | 9,2            | f <sub>2</sub> +w/2 | 2   | 34               | 76             | 40             | 100018 | 842001 • 842002 |
| RNK100.0842.18.5.71.IK       | 17               | 10,2           | f <sub>2</sub> +w/2 | 2   | 34               | 88             | 52             | 100018 | 842001 • 842002 |
| RNK100.0842.23.5.71.IK       | 17               | 9,2            | f <sub>2</sub> +w/2 | 2,5 | 46               | 68             | 34             | 100018 | 842001 • 842002 |
| RNK100.0842.24.5.71.IK       | 23               | 9,2            | f <sub>2</sub> +w/2 | 2   | 46               | 76             | 40             | 100018 | 842001 • 842002 |
| RNK100.0842.16.4.72.IK       | 17               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 34               | 68             | 32             | 100028 | 842001 • 842002 |
| RNK100.0842.23.4.72.IK       | 23               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 46               | 68             | 32             | 100028 | 842001 • 842002 |
| RNK100.0842.24.4.72.IK       | 23               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 46               | 76             | 40             | 100038 | 842001 • 842002 |
| RNK100.0842.23.3.72.IK       | 23               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 46               | 68             | 32             | 100029 | 842001 • 842002 |
| LNK100.0842.16.5.71.IK       | 17               | 9,2            | f <sub>2</sub> +w/2 | 2   | 34               | 68             | 32             | 100018 | 842002 • 842001 |
| LNK100.0842.17.5.71.IK       | 17               | 9,2            | f <sub>2</sub> +w/2 | 2   | 34               | 76             | 40             | 100018 | 842002 • 842001 |
| LNK100.0842.18.5.71.IK       | 17               | 10,2           | f <sub>2</sub> +w/2 | 2   | 34               | 88             | 52             | 100018 | 842002 • 842001 |
| LNK100.0842.23.5.71.IK       | 23               | 9,2            | f <sub>2</sub> +w/2 | 2   | 46               | 68             | 32             | 100018 | 842002 • 842001 |
| LNK100.0842.24.5.71.IK       | 23               | 9,2            | f <sub>2</sub> +w/2 | 2   | 46               | 76             | 40             | 100018 | 842002 • 842001 |
| LNK100.0842.16.4.72.IK       | 17               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 34               | 68             | 32             | 100028 | 842002 • 842001 |
| LNK100.0842.23.4.72.IK       | 23               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 46               | 68             | 32             | 100028 | 842002 • 842001 |
| LNK100.0842.24.4.72.IK       | 23               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 46               | 76             | 40             | 100028 | 842002 • 842001 |
| LNK100.0842.23.3.72.IK       | 23               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 46               | 68             | 32             | 100029 | 842002 • 842001 |

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.  
The fastening screws are combined with the grooving toolholder - no separate order required.

rechts / links montierbar  
right / left to assemble

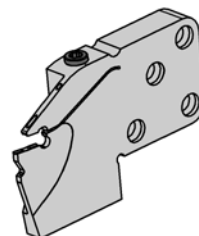
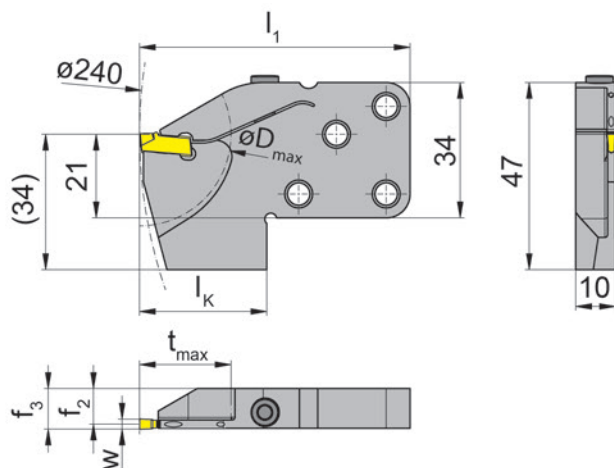
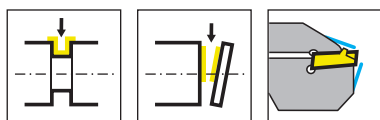
Wechselklinge D T20 PK verwenden  
Use blade D T20 PK

## Ersatzteile

### Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK100...          | 5.13T20P                        | T20PQ                                     |





E

R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | f <sub>2</sub> | f <sub>3</sub>      | w | D <sub>max</sub> | l <sub>1</sub> | l <sub>k</sub> | HWS    | HMS             |
|------------------------------|------------------|----------------|---------------------|---|------------------|----------------|----------------|--------|-----------------|
| RNK100.0842.16.4.73.IK       | 17               | 8,7            | f <sub>2</sub> +w/2 | 3 | 34               | 68             | 32             | 100038 | 842001 • 842002 |
| RNK100.0842.23.4.73.IK       | 23               | 8,7            | f <sub>2</sub> +w/2 | 3 | 42               | 68             | 32             | 100038 | 842001 • 842002 |
| RNK100.0842.26.4.73.IK       | 27               | 8,7            | f <sub>2</sub> +w/2 | 3 | 54               | 68             | 32             | 100038 | 842001 • 842002 |
| RNK100.0842.27.4.73.IK       | 27               | 8,7            | f <sub>2</sub> +w/2 | 3 | 54               | 76             | 40             | 100038 | 842001 • 842002 |
| RNK100.0842.34.4.73.IK       | 34               | 8,7            | f <sub>2</sub> +w/2 | 3 | 68               | 76             | 40             | 100038 | 842001 • 842002 |
| RNK100.0842.34.4.74.IK       | 34               | 8,2            | f <sub>2</sub> +w/2 | 4 | 68               | 76             | 40             | 100048 | 842001 • 842002 |
| RNK100.0842.34.3.73.IK       | 34               | 8,7            | f <sub>2</sub> +w/2 | 3 | 68               | 76             | 40             | 100039 | 842001 • 842002 |
| LNK100.0842.16.4.73.IK       | 17               | 8,7            | f <sub>2</sub> +w/2 | 3 | 34               | 68             | 32             | 100038 | 842002 • 842001 |
| LNK100.0842.23.4.73.IK       | 23               | 8,7            | f <sub>2</sub> +w/2 | 3 | 42               | 68             | 32             | 100038 | 842002 • 842001 |
| LNK100.0842.26.4.73.IK       | 27               | 8,7            | f <sub>2</sub> +w/2 | 3 | 54               | 68             | 32             | 100038 | 842002 • 842001 |
| LNK100.0842.27.4.73.IK       | 27               | 8,7            | f <sub>2</sub> +w/2 | 3 | 54               | 76             | 40             | 100038 | 842002 • 842001 |
| LNK100.0842.34.4.73.IK       | 34               | 8,7            | f <sub>2</sub> +w/2 | 3 | 68               | 76             | 40             | 100038 | 842002 • 842001 |
| LNK100.0842.34.4.74.IK       | 34               | 8,2            | f <sub>2</sub> +w/2 | 4 | 68               | 76             | 40             | 100048 | 842002 • 842001 |
| LNK100.0842.34.3.73.IK       | 34               | 8,7            | f <sub>2</sub> +w/2 | 3 | 68               | 76             | 40             | 100039 | 842002 • 842001 |
| LNK100.0842.34.3.74.IK       | 34               | 8,2            | f <sub>2</sub> +w/2 | 4 | 68               | 76             | 40             | 100049 | 842002 • 842001 |

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.  
The fastening screws are combined with the grooving toolholder - no separate order required.

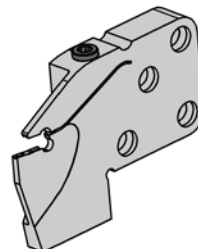
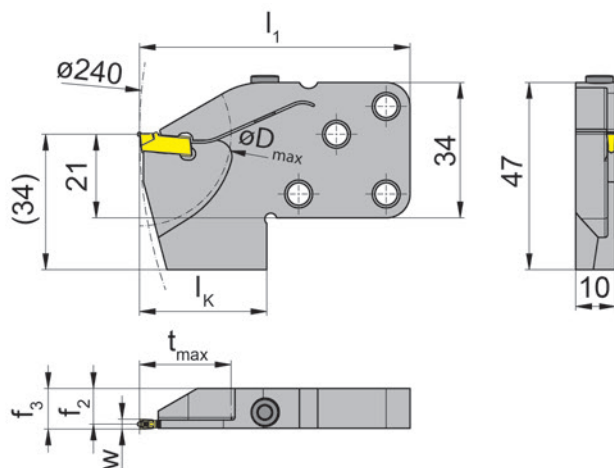
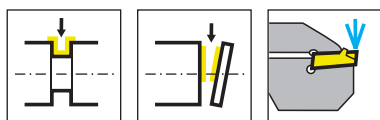
rechts / links montierbar  
right / left to assemble

Wechselklinge D T20 PK verwenden  
Use blade D T20 PK

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK100.0842...     | 5.13T20P                        | T20PQ                                     |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number  | t <sub>max</sub> | f <sub>2</sub> | f <sub>3</sub>      | w   | D <sub>max</sub> | l <sub>1</sub> | l <sub>k</sub> | HWS    | HMS             |
|-------------------------------|------------------|----------------|---------------------|-----|------------------|----------------|----------------|--------|-----------------|
| <b>RNK100.0842.23.3.72.IK</b> | 23               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 46               | 68             | 32             | 100029 | 842001 • 842002 |
| <b>RNK100.0842.34.3.73.IK</b> | 34               | 8,7            | f <sub>2</sub> +w/2 | 3   | 68               | 76             | 40             | 100039 | 842001 • 842002 |
| <b>RNK100.0842.34.4.74.IK</b> | 34               | 8,2            | f <sub>2</sub> +w/2 | 4   | 68               | 76             | 40             | 100048 | 842001 • 842002 |
| <b>LNK100.0842.23.3.72.IK</b> | 23               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 46               | 68             | 32             | 100029 | 842002 • 842001 |
| <b>LNK100.0842.34.3.73.IK</b> | 34               | 8,7            | f <sub>2</sub> +w/2 | 3   | 68               | 76             | 40             | 100039 | 842002 • 842001 |
| <b>LNK100.0842.34.3.74.IK</b> | 34               | 8,2            | f <sub>2</sub> +w/2 | 4   | 68               | 76             | 40             | 100049 | 842002 • 842001 |

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.  
The fastening screws are combined with the grooving toolholder - no separate order required.

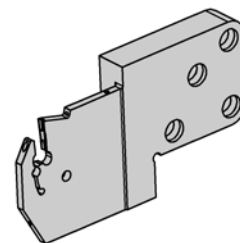
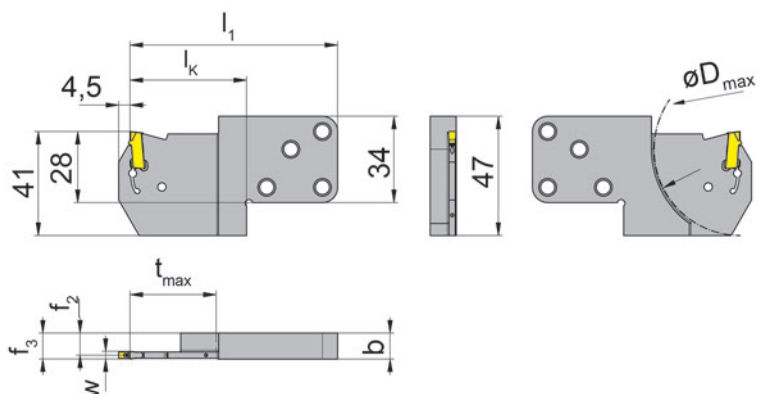
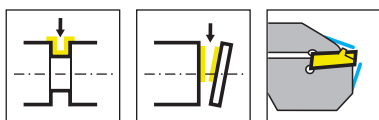
rechts / links montierbar  
right / left to assemble

Wechselklinge D T20 PK verwenden  
Use blade D T20 PK

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK100...          | <b>5.13T20P</b>                 | <b>T20PQ</b>                              |



**E**

R = rechts wie gezeichnet  
R = right hand version shown

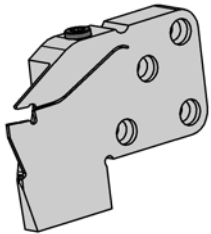
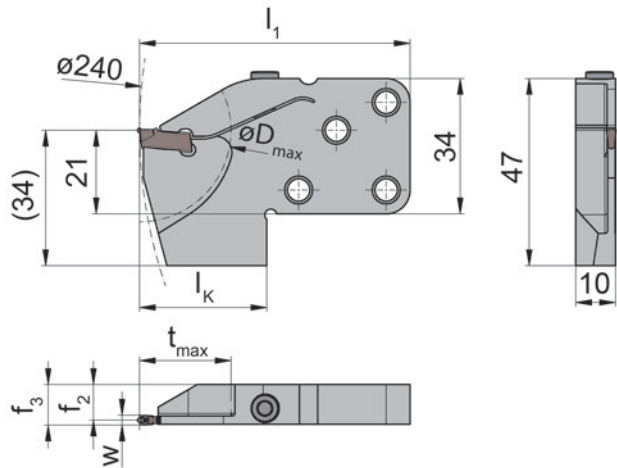
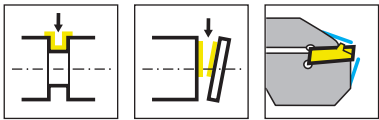
L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number    | t <sub>max</sub> | b     | f <sub>2</sub> | f <sub>3</sub>      | w | D <sub>max</sub> | l <sub>1</sub> | l <sub>k</sub> | HWS    | HMS             |
|---------------------------------|------------------|-------|----------------|---------------------|---|------------------|----------------|----------------|--------|-----------------|
| <b>RNK100.0842.Y.34.4.83.IK</b> | 34               | 10,25 | 8,7            | f <sub>2</sub> +w/2 | 3 | 68               | 86,5           | 46             | 100038 | 842001 • 842002 |
| <b>RNK100.0842.Y.34.4.84.IK</b> | 34               | 10,55 | 8,7            | f <sub>2</sub> +w/2 | 4 | 68               | 86,5           | 46             | 100048 | 842001 • 842002 |
| <b>LNK100.0842.Y.34.4.83.IK</b> | 34               | 10,25 | 8,7            | f <sub>2</sub> +w/2 | 3 | 68               | 86,5           | 46             | 100038 | 842002 • 842001 |
| <b>LNK100.0842.Y.34.4.84.IK</b> | 34               | 10,55 | 8,7            | f <sub>2</sub> +w/2 | 4 | 68               | 86,5           | 46             | 100048 | 842002 • 842001 |

w siehe Schneidplatten  
w see inserts

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

rechts / links montierbar  
right / left to assemble



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

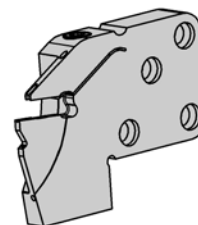
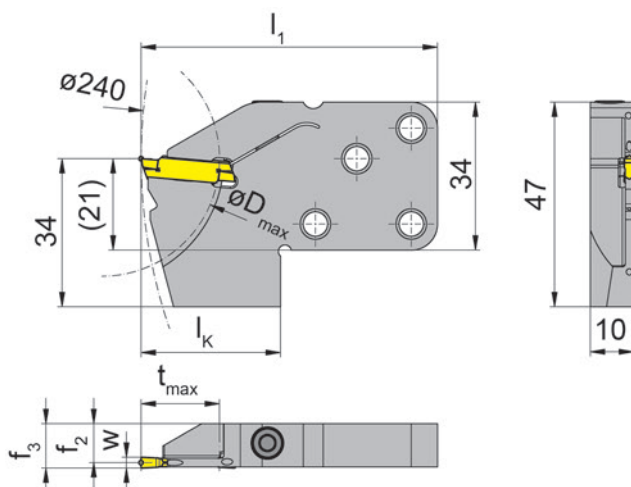
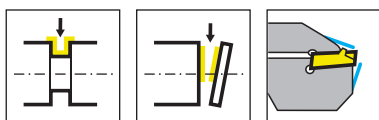
| Bestellnummer<br>Part number | $t_{max}$ | $f_2$ | $f_3$       | $w$ | $D_{max}$ | $l_1$ | $l_k$ | HWS   | HMS             |
|------------------------------|-----------|-------|-------------|-----|-----------|-------|-------|-------|-----------------|
| RNK101.0842.16.5.712.IK      | 17        | 9,6   | $f_2 + w/2$ | 1,2 | 34        | 68    | 32    | 10112 | 842001 • 842002 |
| RNK101.0842.16.5.716.IK      | 17        | 9,4   | $f_2 + w/2$ | 1,6 | 34        | 68    | 32    | 10116 | 842001 • 842002 |
| LNK101.0842.16.5.712.IK      | 17        | 9,6   | $f_2 + w/2$ | 1,2 | 34        | 68    | 32    | 10112 | 842002 • 842001 |

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.  
The fastening screws are combined with the grooving toolholder - no seperate order required.

rechts / links montierbar  
right / left to assemble

Ersatzteile  
Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK101...          | 5.13T20P                        | T20PQ                                     |



E

R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number  | t <sub>max</sub> | f <sub>2</sub> | f <sub>3</sub>      | w   | D <sub>max</sub> | l <sub>1</sub> | l <sub>K</sub> | HWS    | HMS             |
|-------------------------------|------------------|----------------|---------------------|-----|------------------|----------------|----------------|--------|-----------------|
| <b>RNK224.0842.18.5.71.IK</b> | 18               | 9,2            | f <sub>2</sub> +w/2 | 2   | 54               | 68             | 32             | 224018 | 842001 • 842002 |
| <b>RNK224.0842.18.4.72.IK</b> | 18               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 54               | 68             | 32             | 224028 | 842001 • 842002 |
| <b>RNK224.0842.18.4.73.IK</b> | 18               | 8,7            | f <sub>2</sub> +w/2 | 3   | 54               | 68             | 32             | 224038 | 842001 • 842002 |
| <b>LNK224.0842.18.5.71.IK</b> | 18               | 9,2            | f <sub>2</sub> +w/2 | 2   | 54               | 68             | 32             | 224018 | 842002 • 842001 |
| <b>LNK224.0842.18.4.72.IK</b> | 18               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 54               | 68             | 32             | 224028 | 842002 • 842001 |
| <b>LNK224.0842.18.4.73.IK</b> | 18               | 8,7            | f <sub>2</sub> +w/2 | 3   | 54               | 68             | 32             | 224038 | 842002 • 842001 |

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.  
The fastening screws are combined with the grooving toolholder - no separate order required.

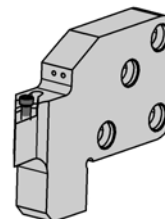
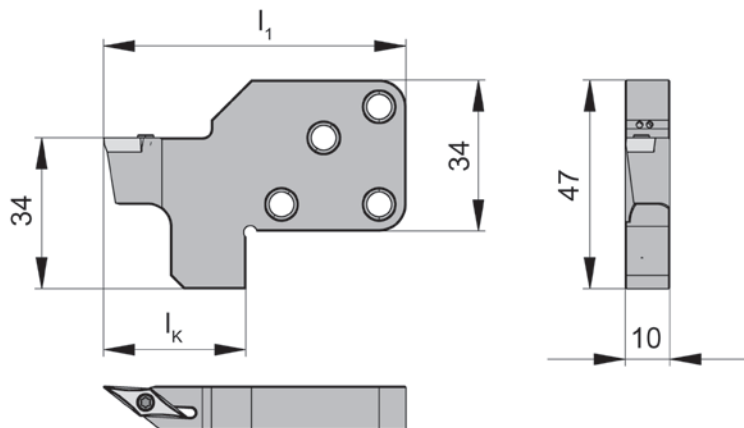
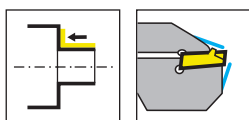
rechts / links montierbar  
right / left to assemble

Wechselklinge D T20 PK verwenden  
Use blade D T20 PK

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK224...          | <b>5.13T20P</b>                 | <b>T20PQ</b>                              |



L = links wie gezeichnet  
L = left hand version shown

R = rechts spiegelbildlich  
R = right hand version

| Bestellnummer<br>Part number | $l_1$ | $l_K$ | HMS             |
|------------------------------|-------|-------|-----------------|
| <b>RK842.SDJCR.07.1.2.IK</b> | 68    | 32    | 842001 • 842002 |
| <b>RK842.SVJCR.11.1.2.IK</b> | 68    | 32    | 842001 • 842002 |
| <b>LK842.SDJCL.07.1.2.IK</b> | 68    | 32    | 842002 • 842001 |
| <b>LK842.SVJCL.11.1.2.IK</b> | 68    | 32    | 842002 • 842001 |

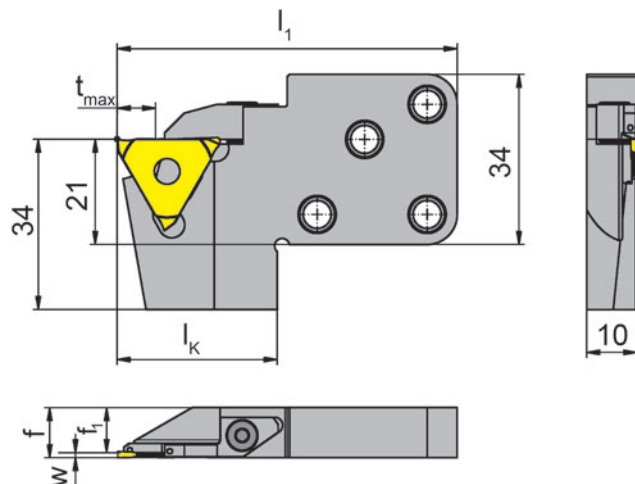
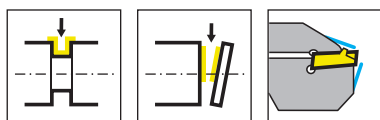
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.  
The fastening screws are combined with the grooving toolholder - no separate order required.

rechts / links montierbar  
right / left to assemble

## Ersatzteile

Spare Parts

| Kassette<br>Cassette         | Spannschraube<br>Clamping Screw |
|------------------------------|---------------------------------|
| <b>RK842.SDJCR.07.1.2.IK</b> | <b>001.01.01</b>                |
| <b>LK842.SDJCL.07.1.2.IK</b> | <b>001.01.01</b>                |
| <b>RK842.SVJCR.11.1.2.IK</b> | <b>001.01.08</b>                |
| <b>LK842.SVJCL.11.1.2.IK</b> | <b>001.01.08</b>                |



R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | f                                | f <sub>1</sub> | L <sub>1</sub> | L <sub>k</sub> | Spannbereich<br>Clamping range | HWS    | HMS             |
|------------------------------|------------------|----------------------------------|----------------|----------------|----------------|--------------------------------|--------|-----------------|
| <b>RNK368.0842.4.01.IK</b>   | 8                | f <sub>1</sub> +w+a <sub>1</sub> | 9              | 68             | 32             | 0,5-1,2                        | 31208N | 842001 • 842002 |
| <b>RNK368.0842.4.02.IK</b>   | 8                | f <sub>1</sub> +w+a <sub>1</sub> | 8,7            | 68             | 32             | 1,2-1,5                        | 31211N | 842001 • 842002 |
| <b>LNK368.0842.4.01.IK</b>   | 8                | f <sub>1</sub> +w+a <sub>1</sub> | 9              | 68             | 32             | 0,5-1,2                        | 31208N | 842002 • 842001 |
| <b>LNK368.0842.4.02.IK</b>   | 8                | f <sub>1</sub> +w+a <sub>1</sub> | 8,7            | 68             | 32             | 1,2-1,5                        | 31211N | 842002 • 842001 |

w, a1 siehe WSP  
w, a1 see indexable inserts

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

rechts / links montierbar  
right / left to assemble

Wechselklinge D T20 PK verwenden  
Use blade D T20 PK

## Ersatzteile

Spare Parts

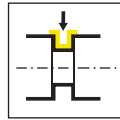
| Kassette<br>Cassette | Spannelement<br>Clamping element | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|----------------------------------|-------------------------------------------|
| LNK368.0842.4....    | <b>010.0004.0586</b>             | <b>T10PL</b>                              |
| RNK368.0842.4....    | <b>010.0004.0620</b>             | <b>T10PL</b>                              |

# Einstecken und Abstecken (außen)

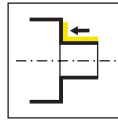
Grooving and Parting off (external)



Kassette  
Cassette  
NK100/NK101/NK224/  
NK229/K845



Seite/Page  
212-217



Seite/Page  
218

E



**845**

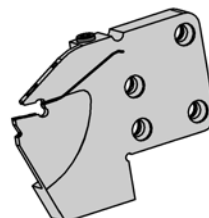
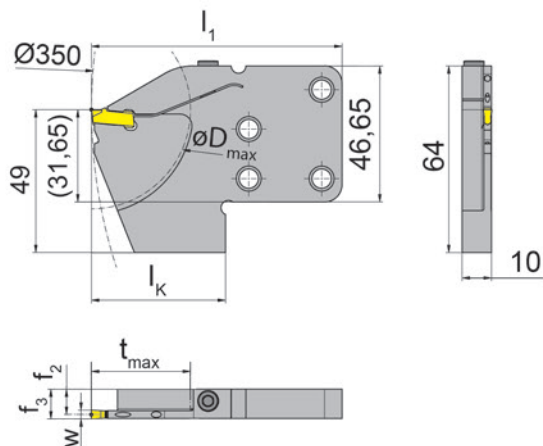
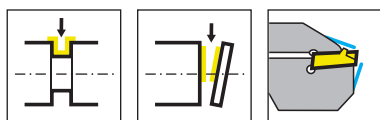


**Kassetten für  
Schnittstelle 845**

Die passenden Schneidplatten finden Sie in unserem Katalog **Stechdrehen und Nutstossen**

**Cassettes for  
interface 845**

For the available inserts please see our catalogue **Grooving and Broaching**



E

R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number | t <sub>max</sub> | f <sub>2</sub> | f <sub>3</sub>      | w   | D <sub>max</sub> | l <sub>1</sub> | l <sub>k</sub> | HWS    | HMS             |
|------------------------------|------------------|----------------|---------------------|-----|------------------|----------------|----------------|--------|-----------------|
| RNK100.0845.17.5.71.IK       | 17               | 8,2            | f <sub>2</sub> +w/2 | 2   | 44               | 78             | 38             | 100018 | 845001 • 845002 |
| RNK100.0845.22.4.72.IK       | 22               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 44               | 78             | 38             | 100028 | 845001 • 845002 |
| RNK100.0845.26.4.73.IK       | 26               | 8,7            | f <sub>2</sub> +w/2 | 3   | 52               | 78             | 38             | 100038 | 845001 • 845002 |
| RNK100.0845.34.4.73.IK       | 34               | 8,7            | f <sub>2</sub> +w/2 | 3   | 68               | 86             | 46             | 100038 | 845001 • 845002 |
| RNK100.0845.36.4.73.IK       | 34               | 8,7            | f <sub>2</sub> +w/2 | 3   | 68               | 106,5          | 66,5           | 100038 | 845001 • 845002 |
| RNK100.0845.42.4.73.IK       | 42               | 8,7            | f <sub>2</sub> +w/2 | 3   | 84               | 94             | 54             | 100038 | 845001 • 845002 |
| RNK100.0845.34.4.74.IK       | 34               | 8,2            | f <sub>2</sub> +w/2 | 4   | 68               | 86             | 46             | 100048 | 845001 • 845002 |
| RNK100.0845.42.4.74.IK       | 42               | 8,2            | f <sub>2</sub> +w/2 | 4   | 84               | 94             | 54             | 100048 | 845001 • 845002 |
| RNK100.0845.46.4.74.IK       | 46               | 8,2            | f <sub>2</sub> +w/2 | 4   | 92               | 97             | 57             | 100048 | 845001 • 845002 |
| RNK100.0845.55.4.74.IK       | 55               | 8,2            | f <sub>2</sub> +w/2 | 4   | 110              | 106            | 66             | 100048 | 845001 • 845002 |
| LNK100.0845.17.5.71.IK       | 17               | 8,2            | f <sub>2</sub> +w/2 | 2   | 44               | 78             | 38             | 100018 | 845002 • 845001 |
| LNK100.0845.22.4.72.IK       | 22               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 44               | 78             | 38             | 100028 | 845002 • 845001 |
| LNK100.0845.26.4.73.IK       | 26               | 8,7            | f <sub>2</sub> +w/2 | 3   | 52               | 78             | 38             | 100038 | 845002 • 845001 |
| LNK100.0845.34.4.73.IK       | 34               | 8,7            | f <sub>2</sub> +w/2 | 3   | 68               | 86             | 46             | 100038 | 845002 • 845001 |
| LNK100.0845.36.4.73.IK       | 34               | 8,7            | f <sub>2</sub> +w/2 | 3   | 68               | 106,5          | 66,5           | 100038 | 845002 • 845001 |
| LNK100.0845.42.4.73.IK       | 42               | 8,7            | f <sub>2</sub> +w/2 | 3   | 84               | 94             | 54             | 100038 | 845002 • 845001 |
| LNK100.0845.34.4.74.IK       | 34               | 8,2            | f <sub>2</sub> +w/2 | 4   | 68               | 86             | 46             | 100048 | 845002 • 845001 |
| LNK100.0845.42.4.74.IK       | 42               | 8,2            | f <sub>2</sub> +w/2 | 4   | 84               | 94             | 54             | 100048 | 845002 • 845001 |
| LNK100.0845.46.4.74.IK       | 46               | 8,2            | f <sub>2</sub> +w/2 | 4   | 92               | 97             | 57             | 100048 | 845002 • 845001 |
| LNK100.0845.55.4.74.IK       | 55               | 8,2            | f <sub>2</sub> +w/2 | 4   | 110              | 106            | 66             | 100048 | 845002 • 845001 |

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.  
The fastening screws are combined with the grooving toolholder - no separate order required.

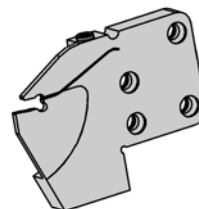
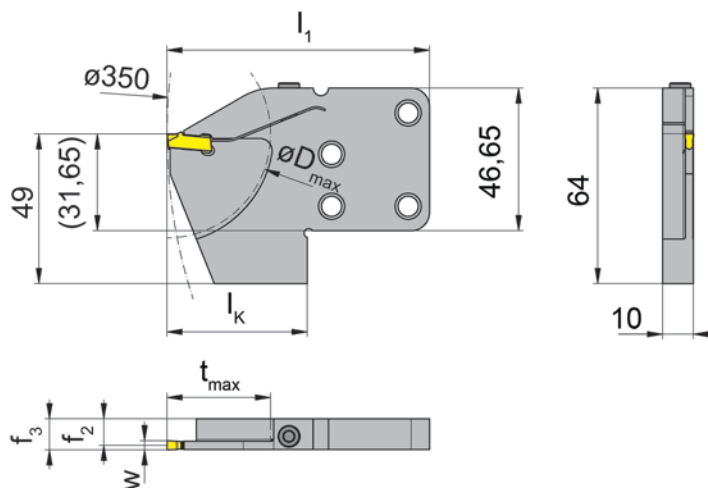
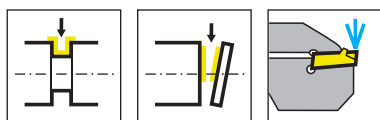
rechts / links montierbar  
right / left to assemble

Wechselklinge D T20 PK verwenden  
Use blade D T20 PK

### Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK100...          | 5.13T20P                        | T20PQ                                     |



E

R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number  | t <sub>max</sub> | f <sub>2</sub> | f <sub>3</sub>      | w   | D <sub>max</sub> | L <sub>1</sub> | L <sub>K</sub> | HWS    | HMS             |
|-------------------------------|------------------|----------------|---------------------|-----|------------------|----------------|----------------|--------|-----------------|
| <b>RNK100.0845.22.3.72.IK</b> | 22               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 44               | 78             | 38             | 100029 | 845001 • 845002 |
| <b>RNK100.0845.34.3.73.IK</b> | 34               | 8,7            | f <sub>2</sub> +w/2 | 3   | 68               | 86             | 40             | 100039 | 845001 • 845002 |
| <b>RNK100.0845.42.3.74.IK</b> | 42               | 8,2            | f <sub>2</sub> +w/2 | 4   | 84               | 94             | 54             | 100049 | 845001 • 845002 |
| <b>LNK100.0845.34.3.73.IK</b> | 34               | 8,7            | f <sub>2</sub> +w/2 | 3   | 68               | 86             | 46             | 100039 | 845002 • 845001 |
| <b>LNK100.0845.42.3.74.IK</b> | 42               | 8,2            | f <sub>2</sub> +w/2 | 4   | 84               | 94             | 54             | 100049 | 845002 • 845001 |

Kühlmittelzufuhr durch Schneidplatte  
Coolant through insert

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.  
The fastening screws are combined with the grooving toolholder - no separate order required.

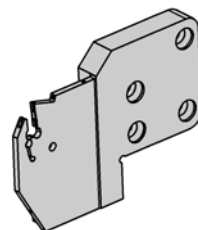
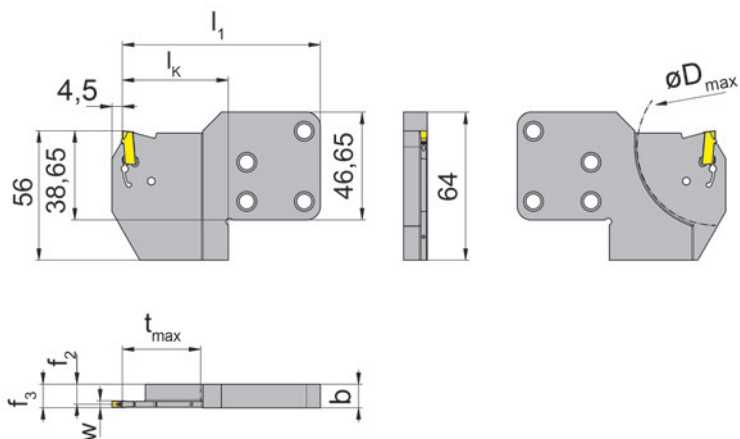
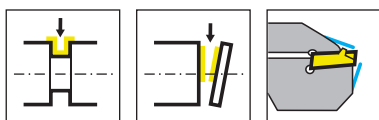
rechts / links montierbar  
right / left to assemble

Wechselklinge D T20 PK verwenden  
Use blade D T20 PK

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK100...          | <b>5.13T20P</b>                 | <b>T20PQ</b>                              |



R = rechts wie gezeichnet  
R = right hand version shown

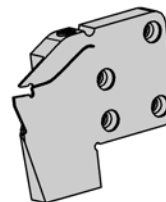
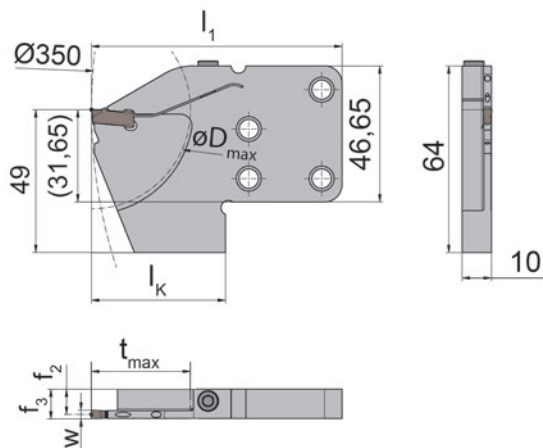
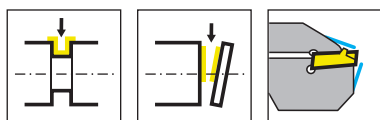
L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number    | t <sub>max</sub> | b     | f <sub>2</sub> | f <sub>3</sub>      | w | D <sub>max</sub> | l <sub>1</sub> | l <sub>k</sub> | HWS    | HMS             |
|---------------------------------|------------------|-------|----------------|---------------------|---|------------------|----------------|----------------|--------|-----------------|
| <b>RNK100.0845.Y.34.4.83.IK</b> | 34               | 10,25 | 8,7            | f <sub>2</sub> +w/2 | 3 | 68               | 90,5           | 46             | 100038 | 845001 • 845002 |
| <b>RNK100.0845.Y.34.4.84.IK</b> | 34               | 10,55 | 8,7            | f <sub>2</sub> +w/2 | 4 | 68               | 90,5           | 46             | 100048 | 845001 • 845002 |
| <b>RNK100.0845.Y.60.4.83.IK</b> | 60               | 10,25 | 8,7            | f <sub>2</sub> +w/2 | 3 | 120              | 117,5          | 73             | 100038 | 845001 • 845002 |
| <b>RNK100.0845.Y.60.4.84.IK</b> | 60               | 10,55 | 8,7            | f <sub>2</sub> +w/2 | 4 | 120              | 117,5          | 73             | 100048 | 845001 • 845002 |
| <b>LNK100.0845.Y.34.4.83.IK</b> | 34               | 10,25 | 8,7            | f <sub>2</sub> +w/2 | 3 | 68               | 90,5           | 46             | 100038 | 845002 • 845001 |
| <b>LNK100.0845.Y.34.4.84.IK</b> | 34               | 10,55 | 8,7            | f <sub>2</sub> +w/2 | 4 | 68               | 90,5           | 46             | 100048 | 845002 • 845001 |
| <b>LNK100.0845.Y.60.4.83.IK</b> | 60               | 10,25 | 8,7            | f <sub>2</sub> +w/2 | 3 | 120              | 117,5          | 73             | 100038 | 845002 • 845001 |
| <b>LNK100.0845.Y.60.4.84.IK</b> | 60               | 10,55 | 8,7            | f <sub>2</sub> +w/2 | 4 | 120              | 117,5          | 73             | 100048 | 845002 • 845001 |

w siehe Schneidplatten  
w see inserts

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

rechts / links montierbar  
right / left to assemble



E

R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number   | t <sub>max</sub> | f <sub>2</sub> | f <sub>3</sub>      | w   | D <sub>max</sub> | l <sub>1</sub> | l <sub>K</sub> | HWS   | HMS             |
|--------------------------------|------------------|----------------|---------------------|-----|------------------|----------------|----------------|-------|-----------------|
| <b>RNK101.0845.17.5.712.IK</b> | 17               | 9,6            | f <sub>2</sub> +w/2 | 1,2 | 34               | 68             | 38             | 10112 | 845001 • 845002 |
| <b>RNK101.0845.17.5.716.IK</b> | 17               | 9,4            | f <sub>2</sub> +w/2 | 1,6 | 34               | 68             | 38             | 10116 | 845001 • 845002 |
| <b>LNK101.0845.17.5.712.IK</b> | 17               | 9,6            | f <sub>2</sub> +w/2 | 1,2 | 34               | 68             | 38             | 10112 | 845002 • 845001 |
| <b>LNK101.0845.17.5.716.IK</b> | 17               | 9,4            | f <sub>2</sub> +w/2 | 1,6 | 34               | 68             | 38             | 10116 | 845002 • 845001 |

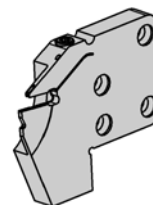
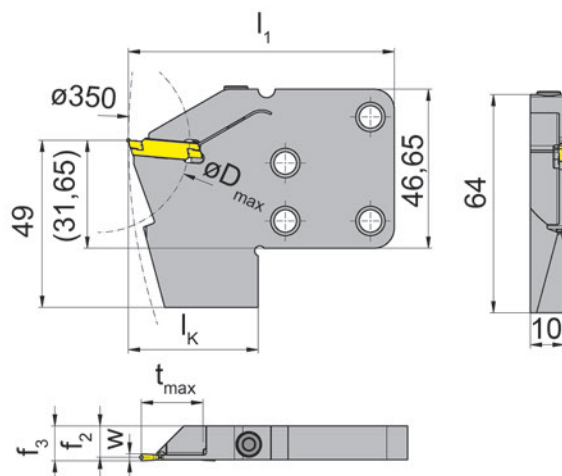
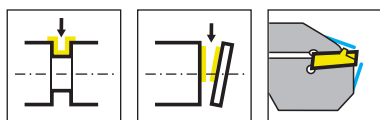
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.  
The fastening screws are combined with the grooving toolholder - no separate order required.

rechts / links montierbar  
right / left to assemble

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK101...          | <b>5.13T20P</b>                 | <b>T20PQ</b>                              |



E

R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number  | t <sub>max</sub> | f <sub>2</sub> | f <sub>3</sub>      | w   | D <sub>max</sub> | l <sub>1</sub> | l <sub>k</sub> | HWS    | HMS             |
|-------------------------------|------------------|----------------|---------------------|-----|------------------|----------------|----------------|--------|-----------------|
| <b>RNK224.0845.18.5.71.IK</b> | 18               | 9,2            | f <sub>2</sub> +w/2 | 2   | 54               | 78             | 38             | 224018 | 845001 • 845002 |
| <b>RNK224.0845.18.4.72.IK</b> | 18               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 54               | 78             | 38             | 224028 | 845001 • 845002 |
| <b>RNK224.0845.18.4.73.IK</b> | 18               | 8,7            | f <sub>2</sub> +w/2 | 3   | 54               | 78             | 38             | 224038 | 845001 • 845002 |
| <b>LNK224.0845.18.5.71.IK</b> | 18               | 9,2            | f <sub>2</sub> +w/2 | 2   | 54               | 78             | 38             | 224018 | 845002 • 845001 |
| <b>LNK224.0845.18.4.72.IK</b> | 18               | 8,95           | f <sub>2</sub> +w/2 | 2,5 | 54               | 78             | 38             | 224028 | 845002 • 845001 |
| <b>LNK224.0845.18.4.73.IK</b> | 18               | 8,7            | f <sub>2</sub> +w/2 | 3   | 54               | 78             | 38             | 224038 | 845002 • 845001 |

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.  
The fastening screws are combined with the grooving toolholder - no separate order required.

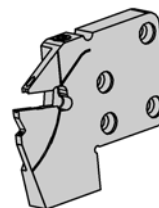
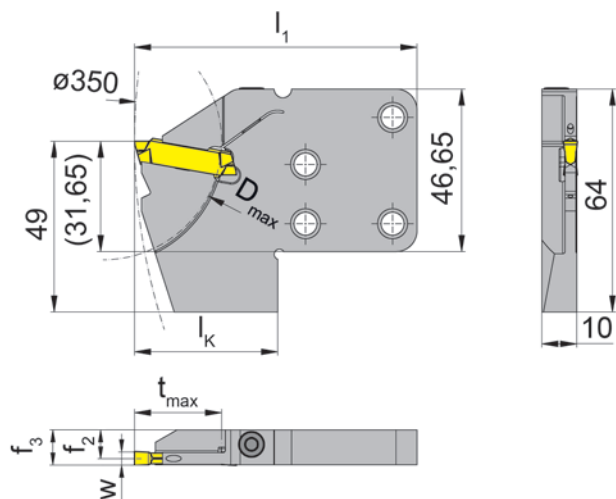
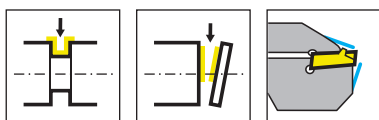
rechts / links montierbar  
right / left to assemble

Wechselklinge D T20 PK verwenden  
Use blade D T20 PK

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK224...          | <b>5.13T20P</b>                 | <b>T20PQ</b>                              |



E

R = rechts wie gezeichnet  
R = right hand version shown

L = links spiegelbildlich  
L = left hand version

| Bestellnummer<br>Part number  | t <sub>max</sub> | f <sub>2</sub> | f <sub>3</sub>       | w | D <sub>max</sub> | l <sub>1</sub> | l <sub>k</sub> | HWS             | HMS             |
|-------------------------------|------------------|----------------|----------------------|---|------------------|----------------|----------------|-----------------|-----------------|
| <b>RNK229.0845.25.4.73.IK</b> | 25               | 8,7            | f <sub>2</sub> + w/2 | 3 | 68               | 81             | 41             | 229030          | 845001 • 845002 |
| <b>RNK229.0845.25.4.74.IK</b> | 25               | 8,2            | f <sub>2</sub> + w/2 | 4 | 68               | 81             | 41             | 229030 • 229040 | 845001 • 845002 |
| <b>RNK229.0845.25.4.75.IK</b> | 25               | 7,7            | f <sub>2</sub> + w/2 | 5 | 68               | 81             | 41             | 229040          | 845001 • 845002 |
| <b>RNK229.0845.25.4.76.IK</b> | 25               | 7,2            | f <sub>2</sub> + w/2 | 6 | 68               | 81             | 41             | 229050 • 229051 | 845001 • 845002 |
| <b>LNK229.0845.25.4.73.IK</b> | 25               | 8,7            | f <sub>2</sub> + w/2 | 3 | 68               | 81             | 41             | 229030          | 845002 • 845001 |
| <b>LNK229.0845.25.4.74.IK</b> | 25               | 8,2            | f <sub>2</sub> + w/2 | 4 | 68               | 81             | 41             | 229030 • 229040 | 845002 • 845001 |
| <b>LNK229.0845.25.4.75.IK</b> | 25               | 7,7            | f <sub>2</sub> + w/2 | 5 | 68               | 81             | 41             | 229040          | 845002 • 845001 |
| <b>LNK229.0845.25.4.76.IK</b> | 25               | 7,2            | f <sub>2</sub> + w/2 | 6 | 68               | 81             | 41             | 229050 • 229051 | 845002 • 845001 |

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.  
The fastening screws are combined with the grooving toolholder - no separate order required.

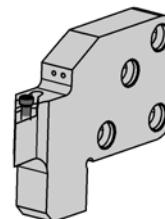
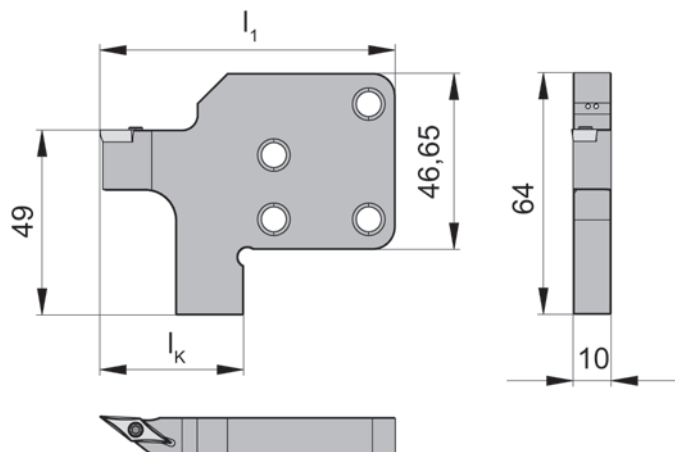
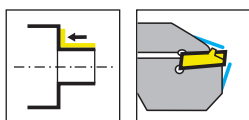
rechts / links montierbar  
right / left to assemble

Wechselklinge D T20 PK verwenden  
Use blade D T20 PK

## Ersatzteile

Spare Parts

| Kassette<br>Cassette | Spannschraube<br>Clamping Screw | TORX PLUS®-Schlüssel<br>TORX PLUS® Wrench |
|----------------------|---------------------------------|-------------------------------------------|
| R/LNK229...          | <b>5.26T20P</b>                 | <b>T20PQ</b>                              |



L = links wie gezeichnet  
L = left hand version shown

R = rechts spiegelbildlich  
R = right hand version

| Bestellnummer<br>Part number | L <sub>1</sub> | L <sub>K</sub> | HMS             |
|------------------------------|----------------|----------------|-----------------|
| <b>RK845.SDJCR.07.1.2.IK</b> | 78             | 38             | 845001 • 845002 |
| <b>RK845.SVJCR.11.1.2.IK</b> | 78             | 38             | 845001 • 845002 |
| <b>LK845.SDJCL.07.1.2.IK</b> | 78             | 38             | 845002 • 845001 |
| <b>LK845.SVJCL.11.1.2.IK</b> | 78             | 38             | 845002 • 845001 |

Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Stechhaltestücks.  
The fastening screws are combined with the grooving toolholder - no separate order required.

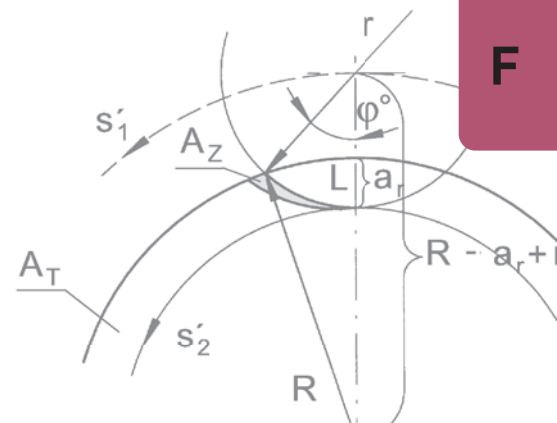
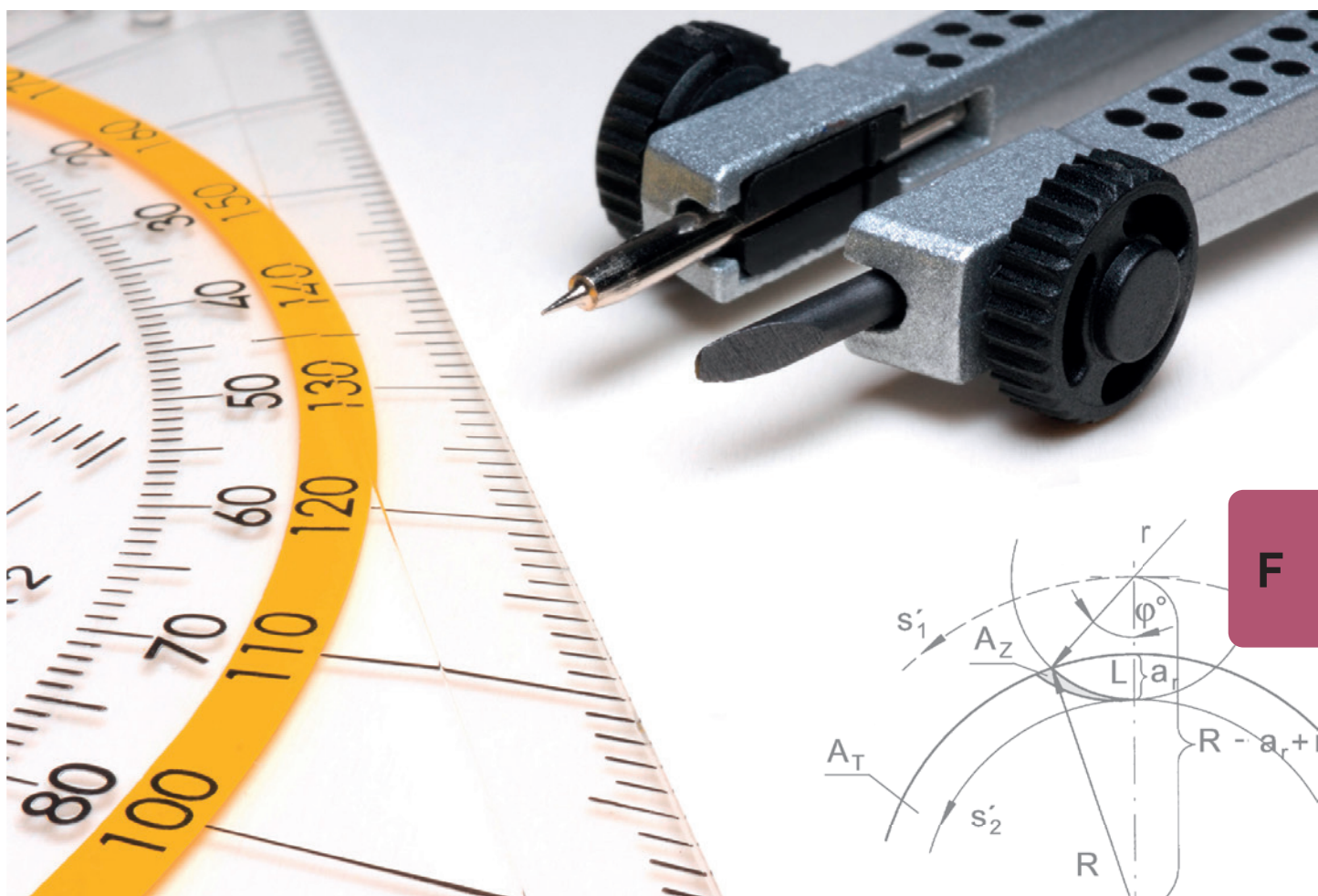
rechts / links montierbar  
right / left to assemble

## Ersatzteile

Spare Parts

| Kassette<br>Cassette  | Spannschraube<br>Clamping Screw |
|-----------------------|---------------------------------|
| LK845.SDJCL.07.1.2.IK | <b>001.01.01</b>                |
| LK845.SVJCL.11.1.2.IK | <b>001.01.08</b>                |
| RK845.SDJCR.07.1.2.IK | <b>001.01.01</b>                |
| RK845.SVJCR.11.1.2.IK | <b>001.01.08</b>                |





Inhalt/Summary

Seite/Page

Anzugsmomente  
Torque of screws

220-221

Zubehör  
Additional equipment

222-227

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 using no additional gliding means (such as copper paste) for screws.

| Typ<br>Type                                                                                                      | Schraube<br>Screw | M <sub>d</sub> Nm | Schlüssel<br>Clamping<br>wrench | Klinge<br>Blade |
|------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|---------------------------------|-----------------|
| 356...3/...5                                                                                                     | 5.12T20P          | <b>6,5</b>        | T20PQ                           | DT20PK/DT20PQ   |
| 360.00C                                                                                                          | 030.0410.T15P     | <b>5,0</b>        | T15PQ                           | DT15PK          |
| 360.TS                                                                                                           | 030.0410.T15P     | <b>6,5</b>        | T15PQ                           | DT15PK          |
| AK25A...02                                                                                                       | 5.13T20P          | <b>2,5</b>        | T20PQ                           | DT20PK/DT20PQ   |
| AK25A...03                                                                                                       | 5.13T20P          | <b>3,0</b>        | T20PQ                           | DT20PK/DT20PQ   |
| AK25A...04                                                                                                       | 5.13T20P          | <b>3,5</b>        | T20PQ                           | DT20PK/DT20PQ   |
| BK224                                                                                                            | 5.13T20EP         | <b>6,5</b>        | T20PQ                           | DT20PK/DT20PQ   |
| BK229                                                                                                            | 5.13T20EP         | <b>6,0</b>        | T20PQ                           | DT20PK/DT20PQ   |
| H34T...10.IK                                                                                                     | 030.4093.T15P     | <b>3,0</b>        | T15PQ                           | DT15PK          |
| H34T...20.IK                                                                                                     | 030.4010.T15P     | <b>5,0</b>        | T15PQ                           | DT15PK          |
| H34T...30.IK                                                                                                     | 030.5012.T15P     | <b>6,0</b>        | T15PQ                           | DT15PK          |
| H34T...40.IK                                                                                                     | 030.5012.T20P     | <b>6,0</b>        | T20PQ                           | DT20PK/DT20PQ   |
| H64T...10.IK                                                                                                     | 030.4010.T15P     | <b>4,0</b>        | T15PQ                           | DT15PK          |
| H64T...20.IK                                                                                                     | 030.4010.T15P     | <b>5,0</b>        | T15PQ                           | DT15PK          |
| H100...03/...13/...23<br>H100...04/...14/...24<br>H100...15<br>H100...1.23.IK                                    | 5.17T20P          | <b>6,5</b>        | T20PQ                           | DT20PK/DT20PQ   |
| H100...04.IK<br>H100...23.IK/...24.IK<br>H100...73.IK/...74.IK                                                   | 6.23T25P          | <b>7,0</b>        | T25PQ                           | DT25PK/DT25PQ   |
| H100.2020.3.0..<br>H100.2525.3.0..<br>H100.3225.3.0../...38<br>H100.3225.4.0../...4.1..<br>H100...08/...10/...12 | 030.6075.T20P     | <b>5,0</b>        | T20PQ                           | DT20PK          |
| K842.SD                                                                                                          | 001.01.01         | <b>0,9</b>        | T8PL                            | DT8PK           |
| K842.SV                                                                                                          | 001.01.08         | <b>2,0</b>        | T8PL                            | DT8PK           |
| LAK220                                                                                                           | 6.23T25P          | <b>7,0</b>        | T25PQ                           | DT25PK/DT25PQ   |
| LAK224                                                                                                           | 5.13T20P          | <b>6,0</b>        | T20PQ                           | DT20PK/DT20PQ   |
| LIK220                                                                                                           | 6.23T25P          | <b>7,0</b>        | T25PQ                           | DT25PK/DT25PQ   |
| LIK224                                                                                                           | 5.13T20P          | <b>6,0</b>        | T20PQ                           | DT20PK/DT20PQ   |
| NK100.0840...                                                                                                    | 4.20T15P          | <b>3,5</b>        | T15PQ                           | DT15PK          |
| NK100.0842...                                                                                                    | 5.13T20P          | <b>6,5</b>        | T20PQ                           | DT20PK/DT20PQ   |
| NK100.0845...                                                                                                    | 5.13T20P          | <b>6,5</b>        | T20PQ                           | DT20PK/DT20PQ   |

| Typ<br>Type             | Schraube<br>Screw | M <sub>d</sub> Nm | Schlüssel<br>Clamping<br>wrench | Klinge<br>Blade |
|-------------------------|-------------------|-------------------|---------------------------------|-----------------|
| NK101.0842...           | 5.13T20P          | <b>6,5</b>        | T20PQ                           | DT20PK/DT20PQ   |
| NK101.0845...           | 5.13T20P          | <b>6,5</b>        | T20PQ                           | DT20PK/DT20PQ   |
| NK224.0840...           | 4.20T15P          | <b>4,3</b>        | T15PQ                           | DT15PK          |
| NK224.0842...           | 5.13T20P          | <b>6,5</b>        | T20PQ                           | DT20PK/DT20PQ   |
| NK224.0845...           | 5.13T20P          | <b>6,5</b>        | T20PQ                           | DT20PK/DT20PQ   |
| NK264.0840...           | 4.20T15P          | <b>4,3</b>        | T15PQ                           | DT15PK          |
| NK274.0840...           | 030.3509.T15P     | <b>3,0</b>        | T15PQ                           | DT15PK          |
| NK356.0840...           | 5.12T20P          | <b>6,0</b>        | T20PQ                           | DT20PK/DT20PQ   |
| NK360.0840.1.01/.02/.03 | 030.0422.T10P     | <b>3,0</b>        | T10PQ                           | DT10PK          |
| NK360.0840.1.04         | 5.32.3T15P        | <b>5,0</b>        | T15PQ                           | DT15PK          |
| NK368.0840...08         | 030.400P.0602     | <b>4,0</b>        | T10PQ                           | DT10PK          |
| NK368.0840...11         | 030.400P.0602     | <b>4,0</b>        | T10PQ                           | DT10PK          |
| NK100.3215...           | 6.23T25P          | <b>7,0</b>        | T25PQ                           | DT25PK/DT25PQ   |
| NK100.5625...           | 6.17T25P          | <b>7,0</b>        | T25PQ                           | DT25PK/DT25PQ   |
| NK100.7025...           | 6.23T25P          | <b>7,0</b>        | T25PQ                           | DT25PK/DT25PQ   |
| NK220.3218...           | 6.23T25P          | <b>7,0</b>        | T25PQ                           | DT25PK/DT25PQ   |
| NK224.3215...           | 5.13T20P          | <b>6,0</b>        | T20PQ                           | DT20PK/DT20PQ   |
| NK316.0220...           | 5.12T20P          | <b>6,5</b>        | T20PQ                           | DT20PK/DT20PQ   |
| NK356                   | 5.12T20P          | <b>6,0</b>        | T20PQ                           | DT20PK/DT20PQ   |
| NK360.0220...           | 5.32.3T15P        | <b>5,0</b>        | T15PQ                           | DT15PK          |
| RAK220                  | 6.23T25P          | <b>7,0</b>        | T25PQ                           | DT25PK/DT25PQ   |
| RAK224                  | 5.13T20P          | <b>6,0</b>        | T20PQ                           | DT20PK/DT20PQ   |
| RIK220                  | 6.23T25P          | <b>7,0</b>        | T25PQ                           | DT25PK/DT25PQ   |

F

Anzugsreihenfolge der Spannschrauben:  
Tightening sequence of the clamping screws:





## D 041 VL

0,4-1 Nm



## D 15 VL

1-5 Nm



## D 28 VL

2-8 Nm



## ED 28 VL

für / for  
D041VL / D15VL / D28VL

### Drehmoment-Schraubendreher mit Skala

- mit variabler Einstellmöglichkeit
- numerische Drehmoment-Anzeige in Fensterskala

Drehmoment stufenlos einstellbar mit Einstellwerkzeug Torque-Setter (im Lieferumfang enthalten).

Ergonomischer Mehrkomponentengriff, extrem handlich durch leichte und kompakte Bauweise. Klicksignal beim Erreichen des eingestellten Drehmomentwertes.

(Normen: EN ISO 6798, BS EN 26789, ASME B107.14.M.)

(Genauigkeit:  $\pm 6\%$ , rückführbar auf nationale Normale)

### Torque screwdriver with scale

- variable torque setting
- adjusted torque is shown on display

The Torque can be adjusted with a special torque setter (included).

Ergonomic form gives perfect handling abilities. Audible signal when set torque is reached.

(Standard: EN ISO 6798, BS EN 26789, ASME B 107.14.M.)

(Precision:  $\pm 6\%$ )

### Einstellwerkzeug für Drehmoment-Schraubendreher

Griff: Celluloseacetat mit microfeiner Oberflächenstruktur

Klinge: Achtkantklinge, durchgehend gehärtet, verzinkt

Device for setting the required torque.

Handle: Celluloseacetat with micro structured surface

Blade: Octogonal (8 flats) blade, hardened galvanized



**D515QL**  
5-15 Nm

**Drehmoment-Schraubendreher mit Skala**

- mit variabler Einstellmöglichkeit
- numerische Drehmoment-Anzeige in Fensterskala

Drehmoment stufenlos einstellbar mit Einstellwerkzeug Torque-Setter (im Lieferumfang enthalten).

Ergonomischer Mehrkomponentengriff, extrem handlich durch leichte und kompakte Bauweise. Klicksignal beim Erreichen des eingestellten Drehmomentwertes.

(Normen: EN ISO 6798, BS EN 26789, ASME B107.14.M.)

(Genauigkeit:  $\pm 6\%$ , rückführbar auf nationale Normale)

**Torque screw driver with scale**

- variable torque setting
- adjusted torque is shown on display

The Torque can be adjusted with a special torque setter (included).

Ergonomical form gives perfect handling abilities. Audible signal when set torque is reached.

(Standard: EN ISO 6798, BS EN 26789, ASME B 107.14.M.)

(Precision:  $\pm 6\%$ )

F



**ED515QL**  
für / for  
D515QL

**Einstellwerkzeug für Drehmoment-Schraubendreher**

Griff: Celluloseacetat mit microfeiner Oberflächenstruktur

Klinge: Achtekantklinge, durchgehend gehärtet, verzinkt

Device for setting the required torque.

Handle: Celluloseacetat with micro structured surface

Blade: Octagonal (8 flats) blade, hardened galvanized



**DT15Q**  
**DT20Q**  
**DT30Q**  
für / for  
D515QL



**Wechselklinge für TORX Schrauben**

Klinge: Hochwertiger Chrom-Vanadium-Molybdän Stahl, durchgehend gehärtet, mattverchromt  
Wiha Chrom Top-Klingenspitze garantiert höchste Maßhaltigkeit.  
Farbcodierung dunkelgrün

Anwendung: Zum kontrollierten Verschrauben bei vorgegebenem Drehmoment, in Kombination mit einem Wiha Drehmomentgriff.

**Blade for TORX screws**

Blade: High quality Chrome-Vanadium steel, through hardened, chrome plated.

Wiha Chrome Blade guarantees maximum precision.  
Color code dark green

Utilization: Controlled screw setting with definite torque in combination with Wiha torque screwdriver handle.



**DT6PK**  
**DT7PK**  
**DT8PK**  
**DT9PK**  
**DT10PK**  
**DT15PK**  
**DT20PK**  
**DT25PK**

für / for  
D041VL / D15VL / D28VL



Plus

#### **Wechselklinge für TORX PLUS® Schrauben**

**Klinge:** Hochwertiger Chrom-Vanadium-Molybdän Stahl, durchgehend gehärtet, mattverchromt  
Wiha Chrom Top-Klingenspitze garantiert höchste Maßhaltigkeit. Farbcodierung dunkelgrün

**Anwendung:** Zum kontrollierten Verschrauben bei vorgegebenem Drehmoment, in Kombination mit einem Wiha Drehmomentgriff.

#### **Blade for TORX-Plus® screws**

**Blade:** High quality Chrome-Vanadium steel, through hardened, chrome plated. Wiha Chrome Blade guarantees maximum precision. Color code dark green

**Utilization:** Controlled screw setting with definite torque in combination with Wiha torque screwdriver handle.

**F**



**DT6K**  
**DT7K**  
**DT8K**  
**DT9K**  
**DT10K**  
**DT15K**

für / for  
D041VL / D15VL / D28VL



#### **Wechselklinge für Torx Schrauben**

**Klinge:** Hochwertiger Chrom-Vanadium-Molybdän Stahl, durchgehend gehärtet, mattverchromt  
Wiha Chrom Top-Klingenspitze garantiert höchste Maßhaltigkeit. Farbcodierung dunkelgrün

**Anwendung:** Kontrolliertes Verschrauben bei vorgegebenem Drehmoment, in Kombination mit einem Wiha Drehmomentgriff.

#### **Blade for Torx screws**

**Blade:** High quality Chrome-Vanadium steel, through hardened, chrome plated. Wiha Chrome Blade guarantees maximum precision. Color code dark green

**Utilization:** Controlled screw setting with definite torque in combination with Wiha torque screwdriver handle.



**DT15PQ**  
**DT20PQ**  
**DT25PQ**  
**DT27PQ**  
**DT30PQ**

für / for  
D515QL



Plus

#### **Wechselklinge für TORX PLUS® Schrauben**

**Klinge:** Hochwertiger Chrom-Vanadium-Molybdän Stahl, durchgehend gehärtet, mattverchromt  
Wiha Chrom Top-Klingenspitze garantiert höchste Maßhaltigkeit.  
Farbcodierung dunkelgrün

**Anwendung:** Zum kontrollierten Verschrauben bei vorgegebenem Drehmoment, in Kombination mit einem Wiha Drehmomentgriff.

#### **Blade for TORX-Plus® screws**

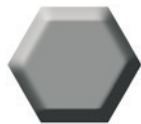
**Blade:** High quality Chrome-Vanadium steel, through hardened, chrome plated.  
Wiha Chrome Blade guarantees maximum precision.  
Color code dark green

**Utilization:** Controlled screw setting with definite torque in combination with Wiha torque screwdriver handle.



**DSW15K**  
**DSW20K**  
**DSW25K**  
**DSW30K**  
**DSW40K**

für / for  
D041VL / D15VL / D28VL



#### **Wechselklinge für Innensechskant-Schrauben**

**Klinge:** Hochwertiger Chrom-Vanadium-Molybdän-Stahl, durchgehend gehärtet, mattverchromt  
Wiha Chrom Top-Klingenspitze garantiert höchste Maßhaltigkeit. Farbcodierung rot

**Anwendung:** Kontrolliertes Verschrauben bei vorgegebenem Drehmoment, in Kombination mit einem Wiha Drehmomentgriff.

#### **Blade for allen screws**

**Blade:** High quality Chrome-Vanadium steel, through hardened, chrome plated. Wiha Chrome Blade guarantees maximum precision. Color code red

**Utilization:** Controlled screw setting with definite torque in combination with Wiha torque screwdriver handle

**DSW50K**  
**DSW60K**

für / for  
D15QL





### D14ZBK

für / for  
D041VL / D15VL / D28VL

#### Universal-Bithalter für C6,3 und E6,3 (1/4'') Bits

**Klinge:** Hochwertiger Chrom-Vanadium-Molybdän Stahl, durchgehend gehärtet, mattverchromt.

**Hülse:** Aus rostfreiem Stahl

**Anwendung:** Zum kontrollierten Verschrauben bei vorgegebenem Drehmoment, in Kombination mit einem Drehmomentgriff.

#### Universal Bitholder for C6,3 and E6,3 (1/4'') Bits

**Blade:** High quality Chrome-Vanadium steel, through hardened, chrome plated.

**Collar:** Stainless steel

**Utilization:** For controlled screw setting with definite torque in combination with torque screw driver handle.

F



### D14ZBQ

für / for  
D515QL

#### Universal-Bithalter für C6,3 und E6,3 (1/4'') Bits

**Klinge:** Hochwertiger Chrom-Vanadium-Molybdän Stahl, durchgehend gehärtet, mattverchromt.

**Hülse:** Aus rostfreiem Stahl

**Anwendung:** Zum kontrollierten Verschrauben bei vorgegebenem Drehmoment, in Kombination mit einem Drehmomentgriff.

#### Universal Bitholder for C6,3 and E6,3 (1/4'') Bits

**Blade:** High quality Chrome-Vanadium steel, through hardened, chrome plated.

**Collar:** Stainless steel

**Utilization:** For controlled screw setting with definite torque in combination with torque screw driver handle.





14ZQK

### Bithalter mit Quergriff für C6,3 und E6,3 (1/4") Bits

**Klinge:** Hochwertiger Chrom-Vanadium-Molybdän Stahl, durchgehend gehärtet, mattverchromt  
**Hülse:** Aus rostfreiem Stahl  
**Anwendung:** Zum kontrollierten Öffnen

### Universal Bitholder with T-handle for C6,3 and E6,3 (1/4") Bits

**Blade:** High quality Chrome-Vanadium steel, through hardened, chrome plated.  
**Collar:** Stainless steel  
**Utilization:** For controlled opening



T6PW  
T7PW  
T8PW  
T9PW  
T10PW  
T15PW  
T20PW  
T25PW  
T30PW



Plus

### Stiftschlüssel für TORX PLUS® Schrauben

**Anwendung:** Für alle TORX PLUS® Schraubaufgaben  
**Achtung:** TORX PLUS®-Schlüssel passen NICHT in Torx-Schrauben

### Wrench for TORX PLUS® Screws

**Utilization:** For all kind of using TORX PLUS® Screws  
**Attention:** TORX PLUS®-Wrench does NOT fit for Torx-Screws

| Typ<br>Type | Seite<br>Page          |
|-------------|------------------------|
| 001C        | 26                     |
| 001TS       | 36                     |
| 220         | 79-80                  |
| 220C        | 16-19, 167-168         |
| 220TS       | 30-31                  |
| 360C        | 24-25                  |
| 360TS       | 34-35                  |
| 842         | 148                    |
| 845         | 149                    |
| 849         | 176, 181, 183-185      |
| 940         | 144-146                |
| 968         | 160-161                |
| 969         | 194-197                |
| 990         | 132-133                |
| 960         | 120- 122, 125, 132-133 |
| 960.BMT     | 115                    |
| 960.HSKT    | 119                    |
| 960.MAZ     | 116                    |
| 960.VDI     | 118, 124               |
| 991         | 127-128                |
| AK25A       | 81-82                  |
| B105C       | 164                    |
| B110C       | 165                    |
| B223        | 56                     |
| B224        | 58, 78                 |
| B224C       | 22                     |
| B224TS      | 32                     |
| B229        | 60                     |
| B229C       | 23                     |
| B229TS      | 33                     |
| BGT         | 169                    |
| BK223       | 57                     |
| BK224       | 59-60                  |
| BK229       | 61                     |
| BKT         | 170-172                |
| C3          | 66, 136                |
| C5          | 20, 137                |
| C6          | 20, 138                |

| Typ<br>Type | Seite<br>Page             |
|-------------|---------------------------|
| C8          | 20-21, 138                |
| GF          | 162                       |
| HSK-220     | 40-41                     |
| HSK224      | 42                        |
| HSK229      | 43                        |
| HSKT40      | 101, 140                  |
| HSKT63      | 46-51, 139                |
| HSKT100     | 52-53, 139                |
| K842        | 208                       |
| K845        | 218                       |
| LAK220      | 91-92                     |
| LAK224      | 83-84                     |
| LIK220      | 95-96                     |
| LIK224      | 87-88                     |
| N849        | 177-180, 182, 186-187     |
| N850        | 188                       |
| NK34T       | 68                        |
| NK64T       | 74                        |
| NK100       | 64, 102, 202-205, 212-214 |
| NK101       | 206, 215                  |
| NK220       | 66                        |
| NK224       | 65, 103, 207, 216         |
| NK229       | 217                       |
| NK264       | 104                       |
| NK274       | 67, 105                   |
| NK316       | 73                        |
| NK356       | 71-72, 106, 192           |
| NK360       | 69, 107                   |
| NK368       | 70, 108, 192, 209         |
| R850        | 189-191                   |
| RAK220      | 93-94                     |
| RAK224      | 85-86                     |
| RHV         | 163                       |
| RIK220      | 97-98                     |
| RIK224      | 89-90                     |
| RKT         | 173                       |
| TR          | 142                       |
| VDI         | 141                       |



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