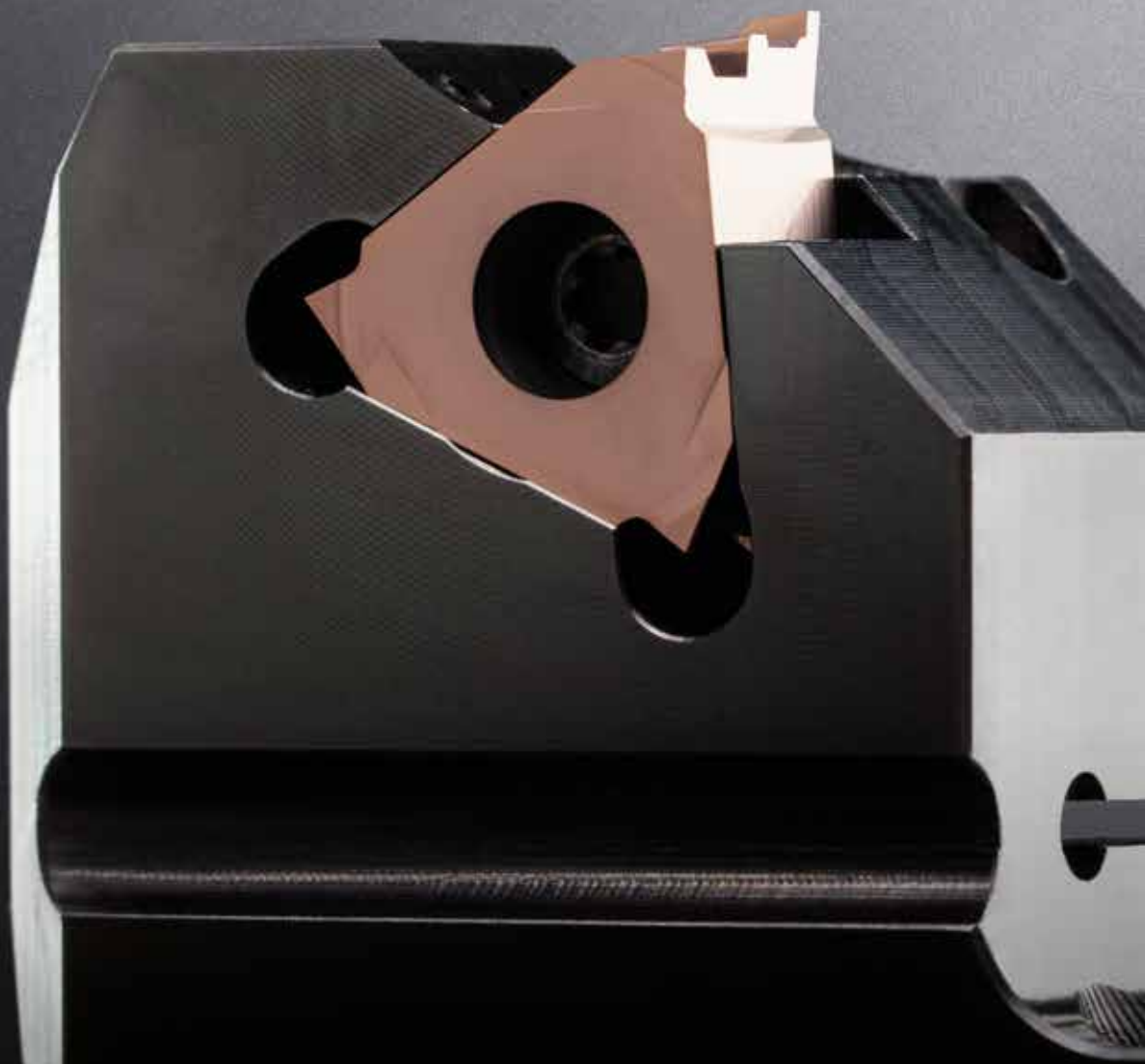
HORN



MODULARE HALTERSYSTEME

MODULAR HOLDER SYSTEMS 2023/2024



ERLEBEN SIE HORN
EXPLORE HORN

Erleben Sie HORN

Außergewöhnliche Ergebnisse sind immer die Verbindung aus dem optimalen Zerspanprozess und dem perfekten Werkzeug. Dafür kombiniert HORN Spitzentechnologie, Leistung und Zuverlässigkeit. Von der Einzelteil- bis zur Serienfertigung, bei Standard- oder Sonderanwendungen: Unsere Werkzeuge bieten Ihnen schnelle, wirtschaftliche und qualitativ hochwertige Lösungen. Bei der Wahl der individuellen Schnittparameter unterstützen Sie unsere Tabellen mit praxiserprobten Erfahrungswerten im jeweiligen Katalog. Nutzen Sie darüber hinaus das Fachwissen unserer Innen- und Außendienstmitarbeiter.

Nachhaltigkeit ist ein zentraler Bestandteil unserer Unternehmensphilosophie. Daher stehen bei uns Qualitätssicherung, Umweltschutz, Energieeffizienz und Sicherheit hinsichtlich unserer Produkte und unserer Produktion seit jeher im Fokus. Als leistungsfähiger und zuverlässiger Werkzeugpartner tragen wir dafür Sorge, dass Sie gemeinsam mit uns in eine innovative und wirtschaftliche Zukunft gehen.

Lothar Horn
Geschäftsführer
Paul Horn GmbH

Markus Horn
Geschäftsführer
Paul Horn GmbH

Matthias Rommel
Geschäftsführer
Paul Horn GmbH

Explore HORN

Exceptional 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.

Lothar Horn
CEO
Paul Horn GmbH

Markus Horn
CEO
Paul Horn GmbH

Matthias Rommel
CEO
Paul Horn GmbH

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Modular grooving system 220

B **Modulares Stechsystem 840**
Modular grooving system 840

C **Modulares Stechsystem 960**
Modular grooving system 960

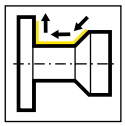
D **Modulares Stechsystem für Mehrspindler INDEX und SCHÜTTE**
Modular grooving system for multi-spindle machine INDEX and SCHÜTTE

E **Kassetten System 842 und 845 für Modulare Stechsysteme 960 / 968 / 969**
Kassettes System 842 and 845 for Modular grooving system 960 / 968 / 969

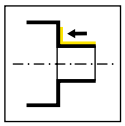
F **Technische Hinweise, Zubehör**
Technical Instructions, Additional equipment

INDEX

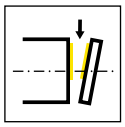
Übersicht Anwendungen
Overview Application



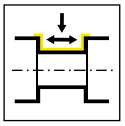
Kopierdrehen außen
Profiling external



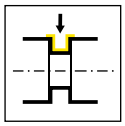
Längsdrehen außen
Side turning external



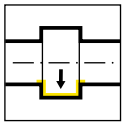
Abstechen
Parting off



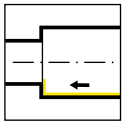
Einstechen und Längsdrehen
Grooving and side turning



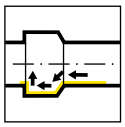
Einstechen außen
Grooving external



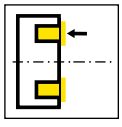
Einstechen innen
Grooving internal



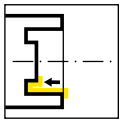
Bohrung ausdrehen innen
Boring internal



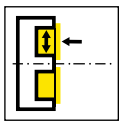
Bohrung ausdrehen Kontur
Boring and profiling



Einstechen axial
Grooving axial



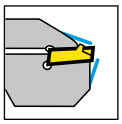
Einstechen axial vor Mitte
Grooving axial in front of center



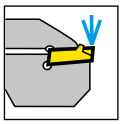
Längsdrehen axial
Side turning axial



Innere Kühlmittelzufuhr
Internal cooling



Zielgerichtete Kühlung
Targeted coolant



Kühlung durch die Schneide
Coolant through the insert

- 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
  - o 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 kassette

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS	HMS
LAK220.6575.04.IK	65	75	10	15,7	23	14,4	f_2+w/2	4	36	229050 • 229051	220002

Beispiel Grundhalter
Example basic toolholder

Bestellnummer Part number	f	d	l_1	h	l_2	b_2	l	D_{Bohr}	HWS
RB224.0032.K1.IK	b_2+f_3	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 64
Axial 76

Schnittstelle 220
Interface 220

Grundhalter mit Schnittstelle 220
Basic holder with interface 220



Polygon



TS



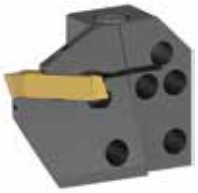
HSK
HSKT



Klemmhalter
Toolholder

Kassetten mit Schnittstelle 220
Cassettes with interface 220

Einstechen radial Grooving radial	Schneidplatte Insert
	**S100**
	**S224** **S229**
	**S274**
	**S34T**

Einstechen 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

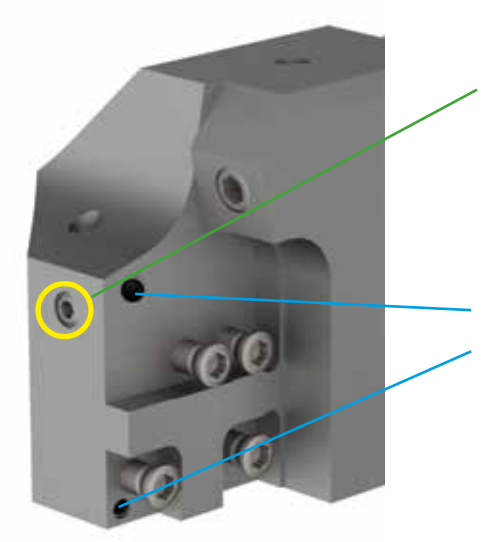
Einstechen radial Grooving radial	Schneidplatte Insert
	**312**
	**315** **S315**
	**64T**

Kühlmittelübergabe Schnittstelle 220

Coolant supply Interface 220

Grundhalter mit Schnittstelle 220

Basic holder with interface 220

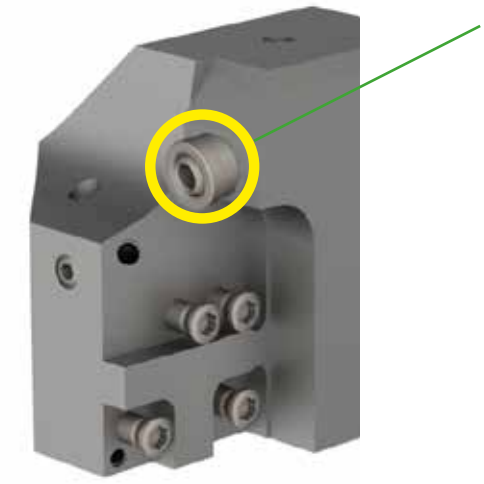


Verschluss der oberen Kühlmittelübergabe an die Kassette durch Zylinderschraube

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

Kühlmittelzufuhr

Coolant supply



Einsatz von Kassetten ohne innere Kühlmittel-zufuhr unter Verwendung der Kugelspritzdüse

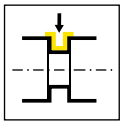
Verschluss der oberen Kühlmittelübergabe an die Kassette durch Zylinderschraube

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

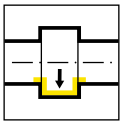
Closure of the upper coolant supply to the cassette by cylinder head screw

Ein-/Abstechen, Axialeinstechen
Grooving, Parting off and Face Grooving

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

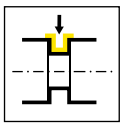


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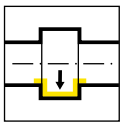
Seite/Page
22-23

Klemmhalter
Toolholder
360C



Seite/Page
24-25

Bohrstangen-Aufnahme
Adaptor for boring bars
001C



Seite/Page
26

Polygon

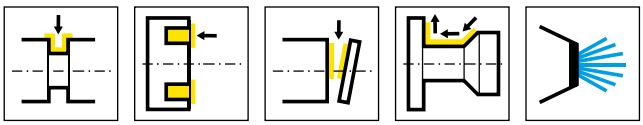


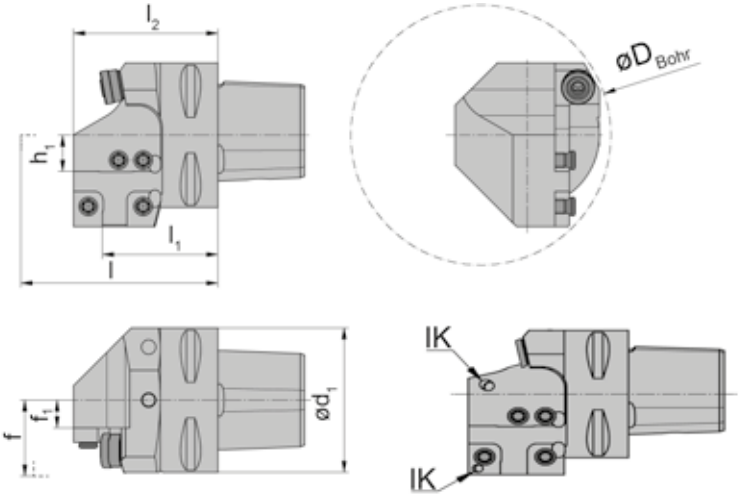
HORN-Polygonschaft nach ISO 26623

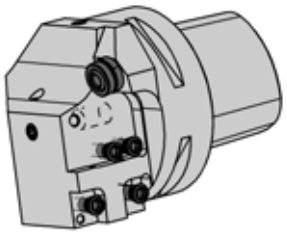
HORN Polygon shank according ISO 26623

Grundhalter
Basic toolholder

220C







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer 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	15	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 DBohr, f3 und lK siehe Kassetten
Dimensions for DBore, f3 and lK see cassettes

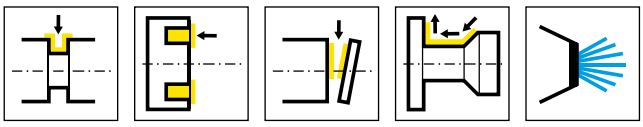
R/L220...IK Kugelspritzdüse optional
R/L220...IK Coolant spray nozzle optional

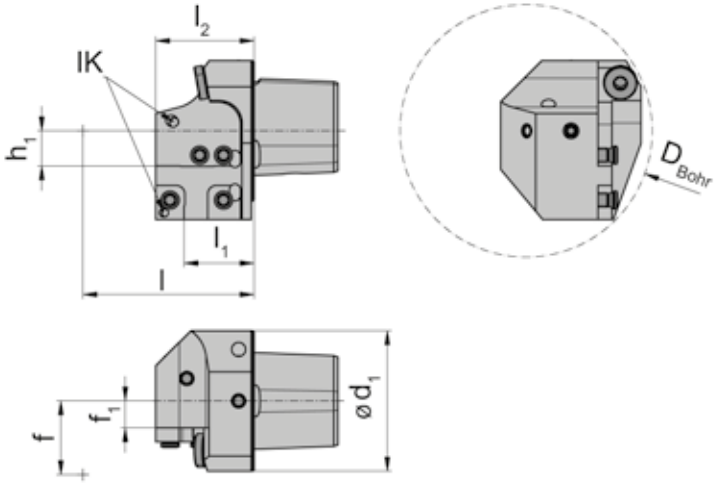
Ersatzteile
Spare Parts

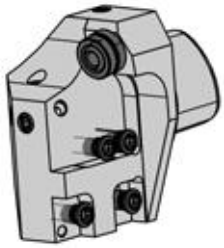
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/L220...	**5.12T20P**	**T20PQ**

Grundhalter
Basic toolholder

220C







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	l_1	l	l_2	d_1	h_1	f_1	f	HWS
R220.00C4.K10.IK	25	l_1+l_K	35	40	12,5	4,6	f_1+f_3	220001
R220.00C5.K10.IK	25	l_1+l_K	35	50	12,5	9,6	f_1+f_3	220001
L220.00C4.K10.IK	25	l_1+l_K	35	40	12,5	4,6	f_1+f_3	220002
L220.00C5.K10.IK	25	l_1+l_K	35	50	12,5	9,6	f_1+f_3	220002

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

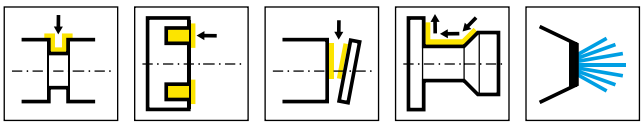
R/L220...IK Kugelspritzdüse optional
R/L220...IK Coolant spray nozzle optional

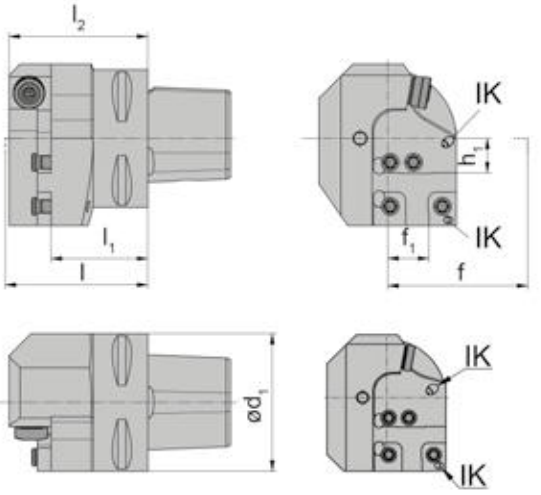
Ersatzteile
Spare Parts

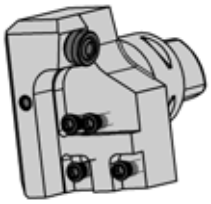
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/L220...	**5.12T20P**	**T20PQ**

Grundhalter
Basic toolholder

220C







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer 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	220001
R220.00C4.K2.IK	35,2	l_1+f_3	50,5	40	12,5	10	f_1+l_K	220001
R220.00C5.K2.IK	35,2	l_1+f_3	50,5	50	12,5	15	f_1+l_K	220001
R220.00C6.K2.IK	37,2	l_1+f_3	52,5	63	12,5	21,5	f_1+l_K	220001
R220.00C8.K2.IK	48,2	l_1+f_3	63,5	80	12,5	30	f_1+l_K	220001
L220.00C3.K2.IK	31,2	l_1+f_3	46,5	32	12,5	10	f_1+l_K	220002
L220.00C4.K2.IK	35,2	l_1+f_3	50,5	40	12,5	10	f_1+l_K	220002
L220.00C5.K2.IK	35,2	l_1+f_3	50,5	50	12,5	15	f_1+l_K	220002
L220.00C6.K2.IK	37,2	l_1+f_3	52,5	63	12,5	21,5	f_1+l_K	220002
L220.00C8.K2.IK	48,2	l_1+f_3	63,5	80	12,5	30	f_1+l_K	220002

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

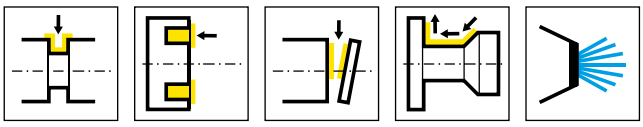
R/L220...IK Kugelspritzdüse optional
R/L220...IK Coolant spray nozzle optional

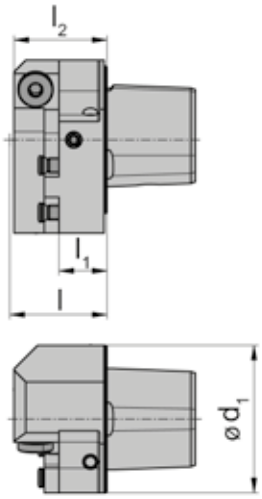
Ersatzteile
Spare Parts

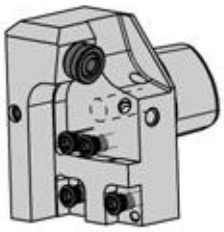
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/L220...	**5.12T20P**	**T20PQ**

Grundhalter
Basic toolholder

220C







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	l_1	l	l_2	d_1	h_1	f_1	f	HWS
R220.00C4.K20.IK	16,2	l_1+f_3	31,5	40	12,5	10	f_1+l_K	220002
L220.00C4.K20.IK	16,2	l_1+f_3	31,5	40	12,5	10	f_1+l_K	220001
L220.00C5.K20.IK	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

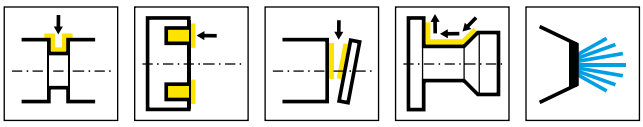
R/L220...IK Kugelspritzdüse optional
R/L220...IK Coolant spray nozzle optional

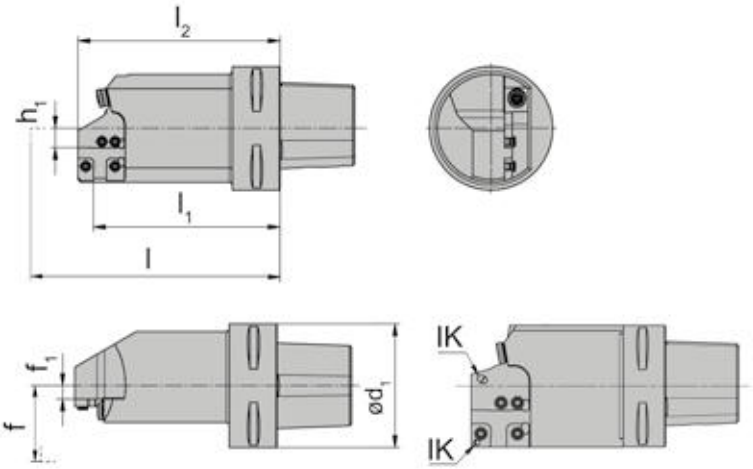
Ersatzteile
Spare Parts

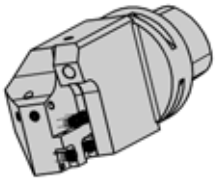
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/L220.00C...	**5.12T20P**	**T20PQ**

Grundhalter
Basic toolholder

C5 / C6 / C8







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

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

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

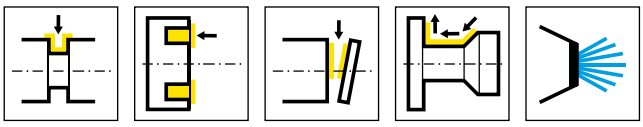
C6.R/L220...IK Kugelspritzdüse optional
C6.R/L220...IK Coolant spray nozzle optional

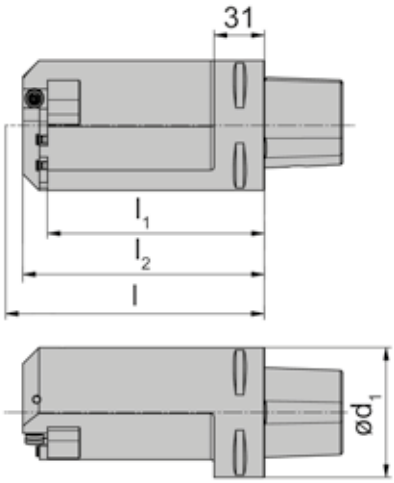
Ersatzteile
Spare Parts

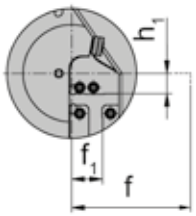
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
C...	**5.12T20P**	**T20PQ**

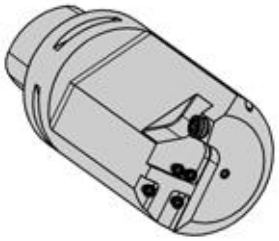
Grundhalter
Basic toolholder

C8









R = rechts wie gezeichnet
R = right hand version shown

Bestellnummer Part number	l_1	l	l_2	d_1	h_1	f	HWS
C8.L220.150.K2.IK	133,6	l_1+f_3	148,8	80	12,5	f_1+l_K	220001
C8.R220.150.K2.IK	133,6	l_1+f_3	148,8	80	12,5	f_1+l_K	220002

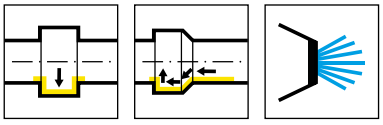
Abmessungen für f3 und lK siehe Kassetten
Dimensions for f3 and lK see cassettes

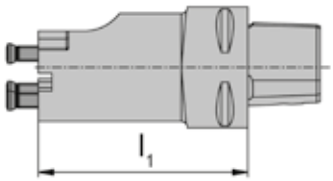
Ersatzteile
Spare Parts

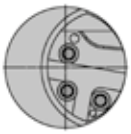
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
C8...	**5.12T20P**	**T20PQ**

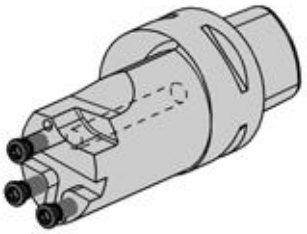
Grundhalter
Basic toolholder

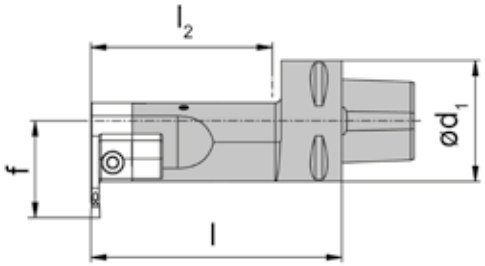
B224C











R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	l	l_2	l_1	d_1	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

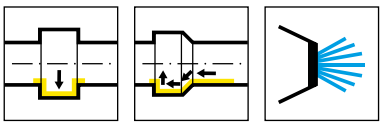
Für Kassetten BK224 **mit** Kühlmittelzufuhr
For kassettes BK224 **with** coolant supply

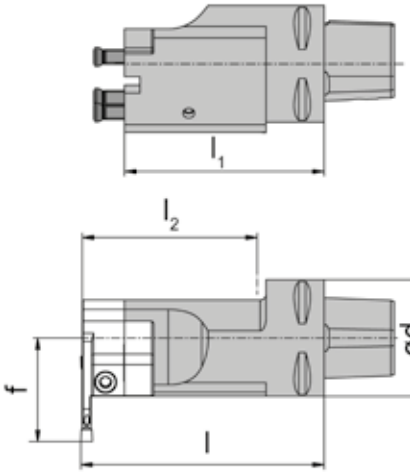
Ersatzteile
Spare Parts

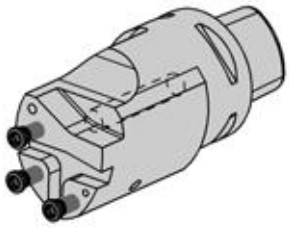
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LB224...	**030.0518.T20P**	**T20PQ**

Grundhalter
Basic toolholder

B229C







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	l	l_2	l_1	d_1	f	HWS
RB229.00C4.2.K2.IK	$l_1+b_1+w/2$	60	68,5	40	35,5	BK2291
RB229.00C5.1.K2.IK	$l_1+b_1+w/2$	50	58,5	50	35,5	BK2291
RB229.00C5.2.K2.IK	$l_1+b_1+w/2$	70	78,5	50	35,5	BK2291
RB229.00C6.1.K2.IK	$l_1+b_1+w/2$	58	68,5	63	35,5	BK2291
RB229.00C6.2.K2.IK	$l_1+b_1+w/2$	78	88,5	63	35,5	BK2291
LB229.00C5.1.K2.IK	$l_1+b_1+w/2$	50	58,5	50	35,5	BK2292
LB229.00C5.2.K2.IK	$l_1+b_1+w/2$	70	78,5	50	35,5	BK2292
LB229.00C6.2.K2.IK	$l_1+b_1+w/2$	78	88,5	63	35,5	BK2292

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

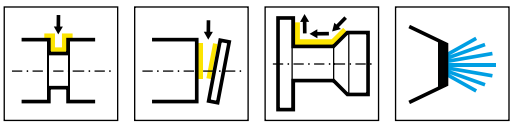
Für Kassetten BK229 **mit** Kühlmittelzufuhr
For kassettes BK229 **with** coolant supply

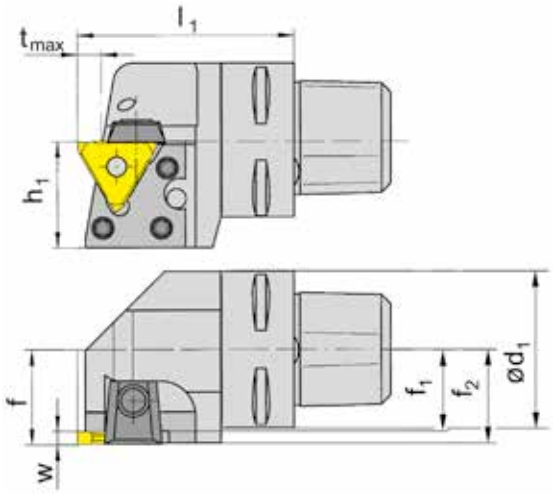
Ersatzteile
Spare Parts

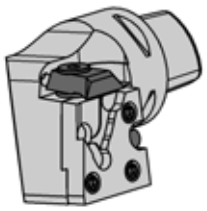
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LB229...	**030.0518.T20P**	**T20PQ**

Klemmhalter
Toolholder

360C







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	l_1	h_1	d_1	f_1	f	f_2	t_{max}	HWS
R360.00C3.K1	45	27,3	32	20,5	f_1+w-a_1	22	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.00C4.K1	50	27,3	40	25,5	f_1+w-a_1	27	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.00C5.K1	50	27,3	50	25,5	f_1+w-a_1	27	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.00C6.K1	55	27,3	63	30,5	f_1+w-a_1	32	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.00C3.K2	45	27,3	32	19,5	f_1+w-a_1	22	6	31202N • 31202R • 31202L
R360.00C4.K2	50	27,3	40	24,5	f_1+w-a_1	27	6	31202N • 31202R • 31202L
R360.00C5.K2	50	27,3	50	24,5	f_1+w-a_1	27	6	31202N • 31202R • 31202L
R360.00C6.K2	55	27,3	63	29,5	f_1+w-a_1	32	6	31202N • 31202R • 31202L
L360.00C3.K1	45	27,3	32	20,5	f_1+w-a_1	22	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.00C4.K1	50	27,3	40	25,5	f_1+w-a_1	27	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.00C5.K1	50	27,3	50	25,5	f_1+w-a_1	27	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.00C6.K1	55	27,3	63	30,5	f_1+w-a_1	32	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.00C3.K2	45	27,3	32	19,5	f_1+w-a_1	22	6	31202N • 31202R • 31202L
L360.00C4.K2	50	27,3	40	24,5	f_1+w-a_1	27	6	31202N • 31202R • 31202L
L360.00C5.K2	50	27,3	50	24,5	f_1+w-a_1	27	6	31202N • 31202R • 31202L
L360.00C6.K2	55	27,3	63	29,5	f_1+w-a_1	32	6	31202N • 31202R • 31202L

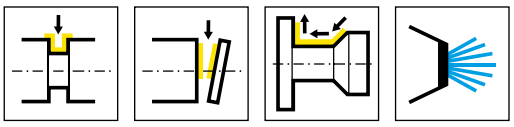
w, a1 siehe WSP
w, a1 see indexable inserts

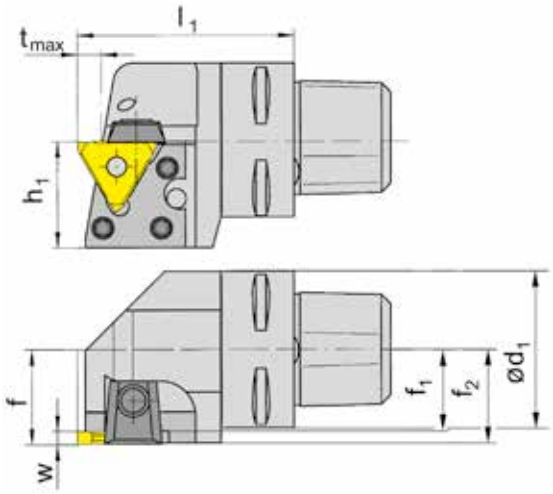
Ersatzteile
Spare Parts

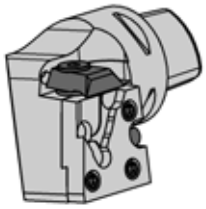
Klemmhalter Toolholder	**Kassette** Cassette
L360.00...K1	**LK360.00.01**
R360.00...K1	**RK360.00.01**
L360.00...K2	**LK360.00.02**
R360.00...K2	**RK360.00.02**

Klemmhalter
Toolholder

360C







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

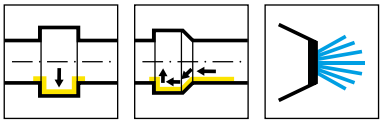
w, a1 siehe WSP
w, a1 see indexable inserts

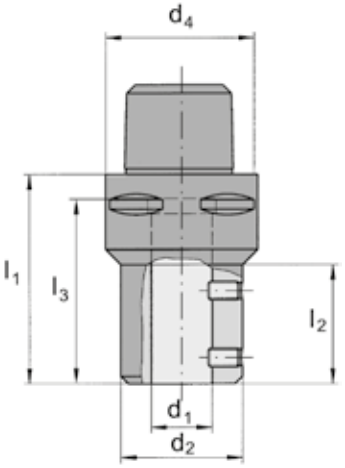
Ersatzteile
Spare Parts

Klemmhalter Toolholder	**Kassette** Cassette
L360.00...K3	**LK360.00.03**
R360.00...K3	**RK360.00.03**
L360.00...K4	**LK360.00.04**
R360.00...K4	**RK360.00.04**

Bohrstangen-Aufnahme
Adaptor for boring bars

001C







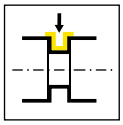
Bestellnummer Part number	l_1	l_2	l_3	d_4	d_1	d_2
001.00C3.20	70	-	58	32	20	40
001.00C4.16	65	-	55	40	16	40
001.00C4.20	70	-	58	40	20	40
001.00C5.16	65	44	55	50	16	40
001.00C5.20	70	49	58	50	20	40
001.00C6.20	70	45	58	63	20	40

Ersatzteile
Spare Parts

Bohrstangen-Aufnahme Adaptor for boring bars	**Spannschraube** Clamping Screw
001...	**10.12.1835**

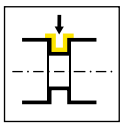
Ein-/Abstechen, Axialeinstechen
Grooving, Parting off and Face Grooving

Grundhalter
Basic toolholder
220TS/B224TS/B229TS



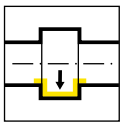
Seite/Page
30-33

Klemmhalter
Toolholder
360TS



Seite/Page
34-35

Bohrstangen-Aufnahme
Adaptor for boring bars
001TS



Seite/Page
36

TS

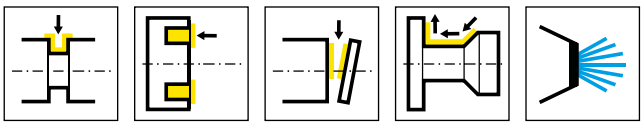


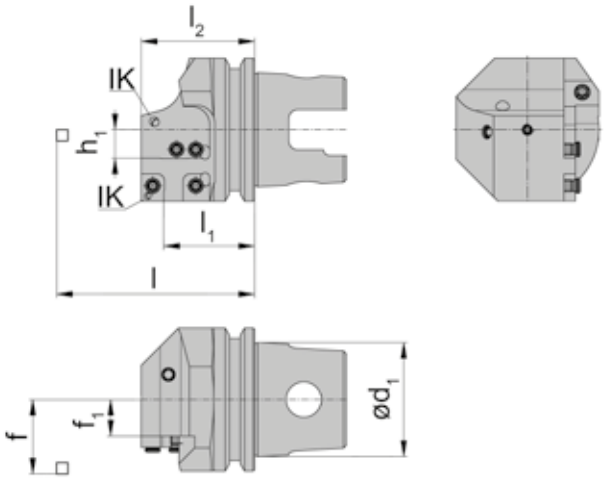
HORN TS nach ISO 26622

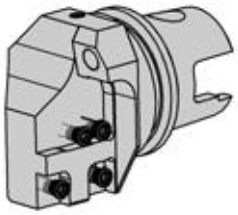
HORN TS according to ISO 26622

Grundhalter
Basic toolholder

220TS







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

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

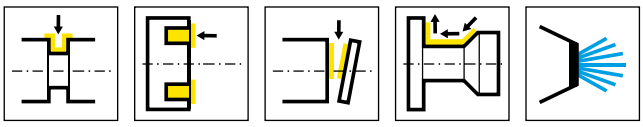
Abmessungen für DBohr, f3 und lK siehe Kassetten
Dimensions for DBore, f3 and lK see cassettes

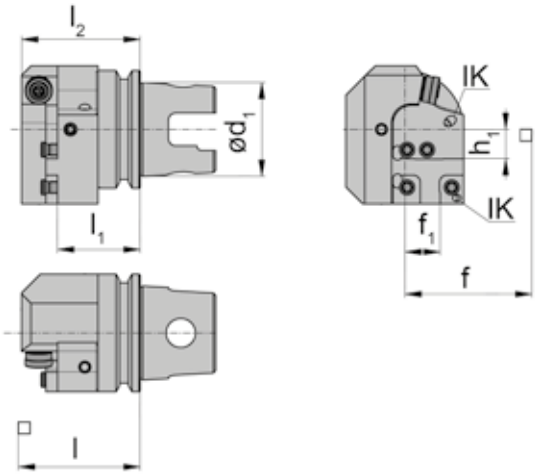
Ersatzteile
Spare Parts

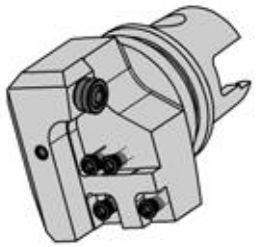
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**Kugelspritzdüse** Coolant spray nozzle	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/L220.T...	**5.12T20P**	**020.1008.2977**	**T20PQ**

Grundhalter
Basic toolholder

220TS







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	l_1	l	l_2	d_1	h_1	f_1	f	HWS
R220.TS40.K2.IK	35,2	l_1+f_3	50,5	40	12,5	10	f_1+l_K	220002
R220.TS50.K2.IK	35,2	l_1+f_3	50,5	50	12,5	15	f_1+l_K	220002
L220.TS40.K2.IK	35,2	l_1+f_3	50,5	40	12,5	10	f_1+l_K	220001
L220.TS50.K2.IK	35,2	l_1+f_3	50,5	50	12,5	15	f_1+l_K	220001
L220.TS63.K2.IK	35,2	l_1+f_3	50,5	63	12,5	21,5	f_1+l_K	220001

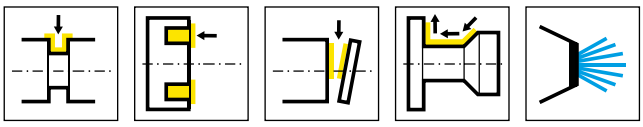
Abmessungen für DBohr, f3 und lK siehe Kassetten
Dimensions for DBore, f3 and lK see cassettes

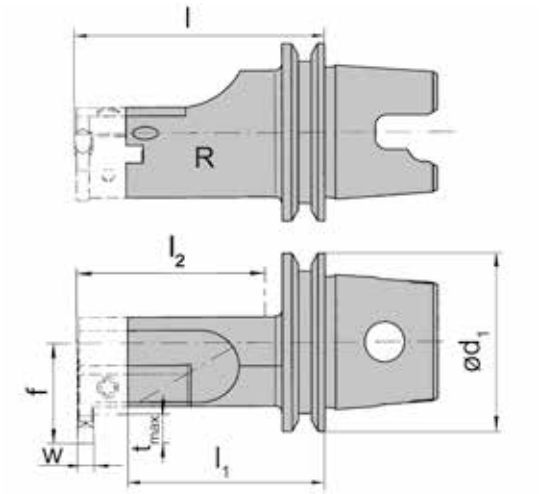
Ersatzteile
Spare Parts

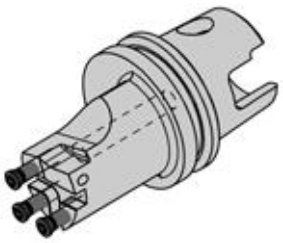
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**Kugelspritzdüse** Coolant spray nozzle	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/L220.T...	**5.12T20P**	**020.1008.2977**	**T20PQ**

Grundhalter
Basic toolholder

B224TS







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer 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

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

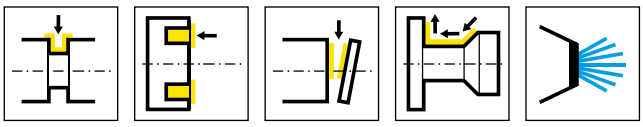
Für Kassetten BK224 **ohne** Kühlmittelzufuhr
For kassettes BK224 **without** coolant supply

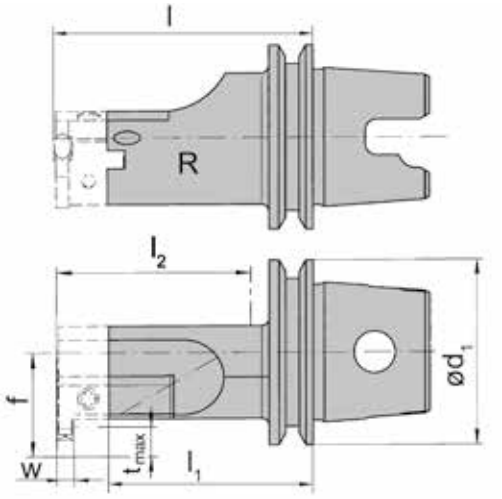
Ersatzteile
Spare Parts

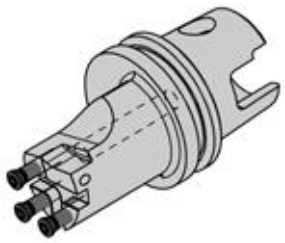
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LB224.TS...	**030.0518.T20P**	**T20PQ**

Grundhalter
Basic toolholder

B229TS







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

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

w siehe WSP
w see indexable inserts

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

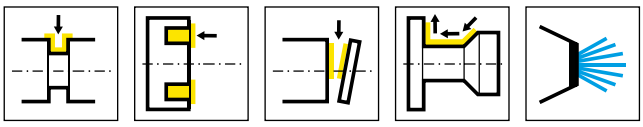
Für Kassetten BK229 **ohne** Kühlmittelzufuhr
For kassettes BK229 **without** coolant supply

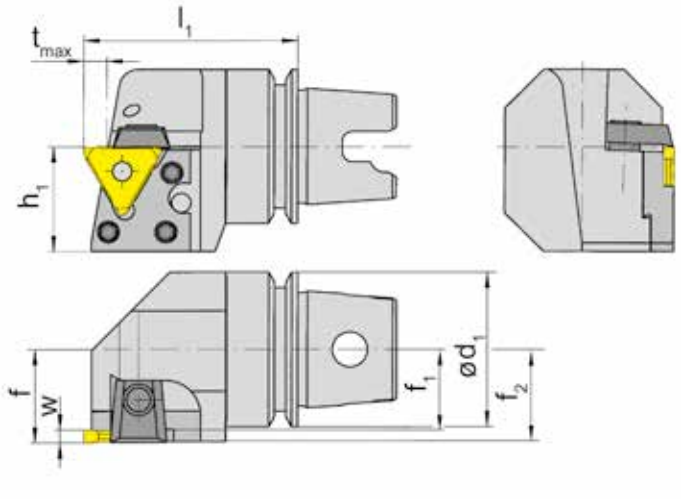
Ersatzteile
Spare Parts

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

Klemmhalter
Toolholder

360TS







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	l_1	h_1	d_1	f_1	f	f_2	t_{max}	HWS
R360.TS40.K1	40	27,3	40	19	f_1+w-a_1	20,5	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.TS50.K1	45	27,3	50	24	f_1+w-a_1	25,5	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.TS63.K1	50	31,5	63	30,5	f_1+w-a_1	32	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.TS40.K2	40	27,3	40	18	f_1+w-a_1	20,5	6	31202N • 31202R • 31202L
R360.TS50.K2	45	27,3	50	23	f_1+w-a_1	25,5	6	31202N • 31202R • 31202L
R360.TS63.K2	50	31,5	63	29,5	f_1+w-a_1	32	6	31202N • 31202R • 31202L
L360.TS40.K1	40	27,3	40	19	f_1+w-a_1	20,5	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.TS50.K1	45	27,3	50	24	f_1+w-a_1	25,5	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.TS63.K1	50	31,5	63	30,5	f_1+w-a_1	32	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.TS40.K2	40	27,3	40	18	f_1+w-a_1	20,5	6	31202N • 31202R • 31202L
L360.TS50.K2	45	27,3	50	23	f_1+w-a_1	25,5	6	31202N • 31202R • 31202L
L360.TS63.K2	50	31,5	63	29,5	f_1+w-a_1	32	6	31202N • 31202R • 31202L

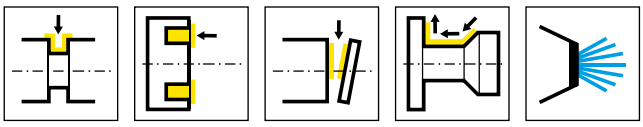
w, a1 siehe WSP
w, a1 see indexable inserts

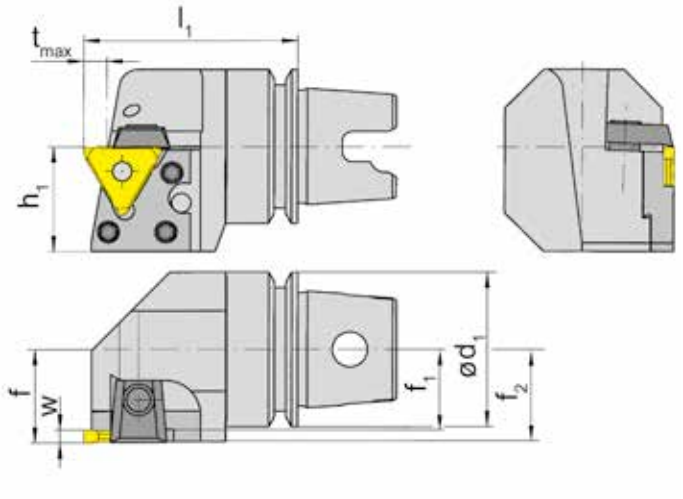
Ersatzteile
Spare Parts

Klemmhalter Toolholder	**Kassette** Cassette	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
L360.TS...K1	**LK360.00.01**	**T15PQ**
R360.TS...K1	**RK360.00.01**	**T15PQ**
L360.TS...K2	**LK360.00.02**	**T15PQ**
R360.TS...K2	**RK360.00.02**	**T15PQ**

Klemmhalter
Toolholder

360TS







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

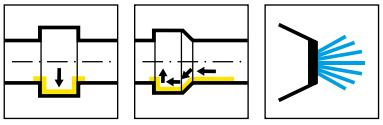
w, a1 siehe WSP
w, a1 see indexable inserts

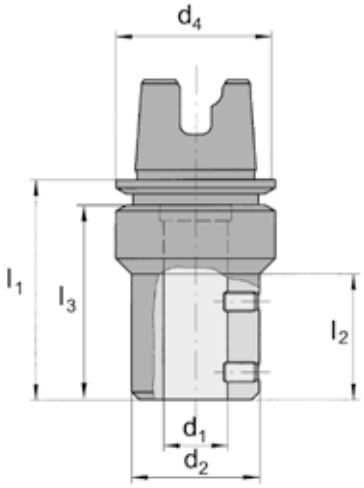
Ersatzteile
Spare Parts

Klemmhalter Toolholder	**Kassette** Cassette	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
L360.TS...K3	**LK360.00.03**	**T15PQ**
R360.TS...K3	**RK360.00.03**	**T15PQ**
L360.TS...K4	**LK360.00.04**	**T15PQ**
R360.TS...K4	**RK360.00.04**	**T15PQ**

Bohrstangen-Aufnahme
Adaptor for boring bars

001TS







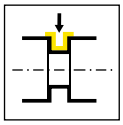
Bestellnummer Part number	l_1	l_2	l_3	d_4	d_1	d_2
001.TS40.16	65	0	55	40	16	40
001.TS40.20	70	0	58	40	20	40
001.TS50.16	65	44	55	50	16	40
001.TS50.20	70	49	55	50	20	40
001.TS63.16	65	40	55	63	16	40
001.TS63.20	70	45	58	63	20	40

Ersatzteile
Spare Parts

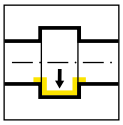
Bohrstangen-Aufnahme Adaptor for boring bars	**Spannschraube** Clamping Screw
001...	**10.12.1835**

Ein-/Abstechen, Axialeinstechen
Grooving, Parting off and Face Grooving

Grundhalter
Basic toolholder
HSK-220/HSK224/
HSK229



Seite/Page
40-41



Seite/Page
42-43

HSK

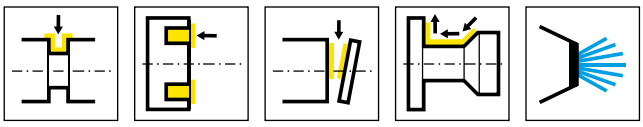


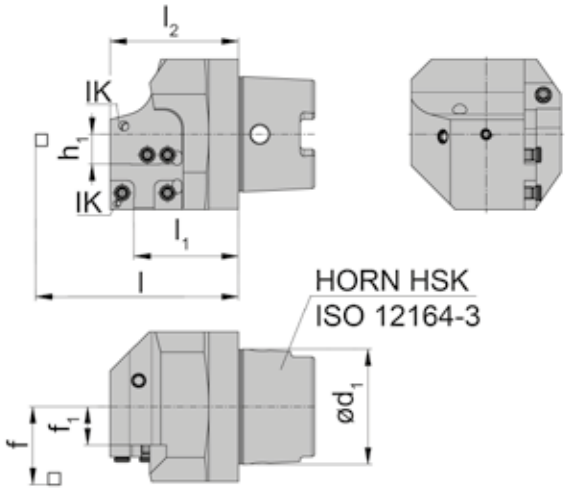
HORN HSK nach ISO 12164-3

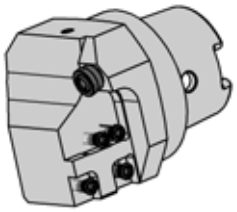
HORN HSK according to ISO 12164-3

Grundhalter
Basic toolholder

HSK-220







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

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

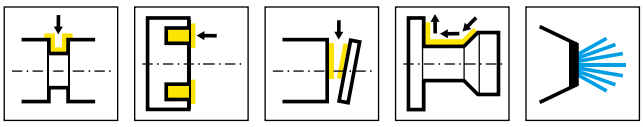
Abmessungen für Dmin, f3 und lK siehe Kassetten
Dimensions for Dmin, f3 and lK see cassettes

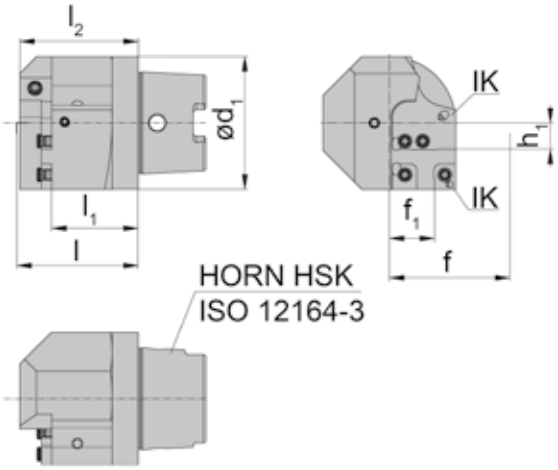
Ersatzteile
Spare Parts

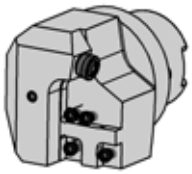
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**Kugelspritzdüse** Coolant spray nozzle	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSK-L220...	**5.12T20P**	**020.1008.2977**	**T20PQ**

Grundhalter
Basic toolholder

HSK-220







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

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

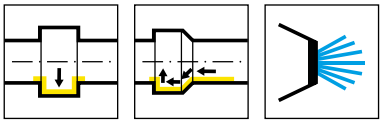
Abmessungen für Dmin, f3 und lK siehe Kassetten
Dimensions for Dmin, f3 and lK see cassettes

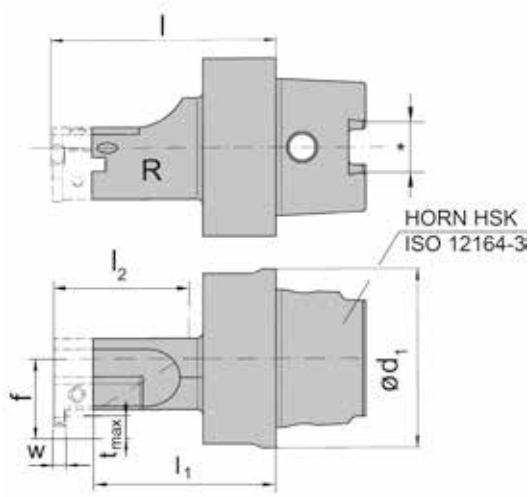
Ersatzteile
Spare Parts

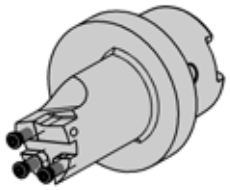
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**Kugelspritzdüse** Coolant spray nozzle	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSK-L220...	**5.12T20P**	**020.1008.2977**	**T20PQ**

Grundhalter
Basic toolholder

HSK224







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	f	d_1	l	l_1	l_2	HWS
HSK-L224.0063.1K2	32	63	l_1+b_1+w/2	703	58	BK2242
HSK-L224.0063.2K2	32	63	l_1+b_1+w/2	90,3	78	BK2242
HSK-R224.0063.2K2	32	63	l_1+b_1+w/2	90,3	78	BK2241

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

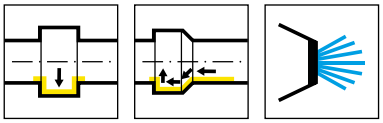
Für Kassetten BK224 **ohne** Kühlmittelzufuhr
For kassettes BK224 **without** coolant supply

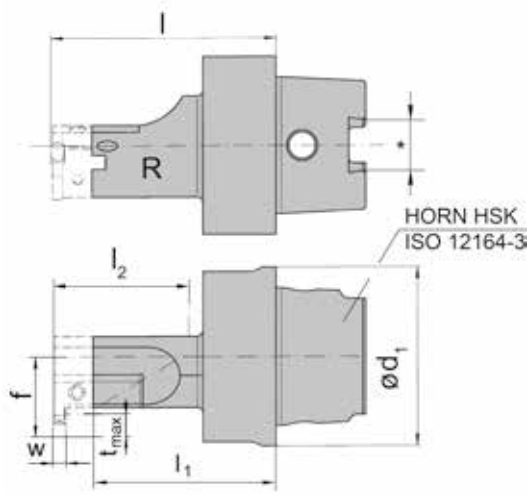
Ersatzteile
Spare Parts

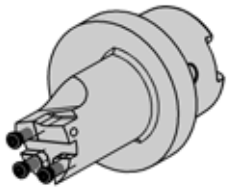
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSK-L224...	**030.0518.T20P**	**T20PQ**

Grundhalter
Basic toolholder

HSK229







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	f	d_1	l	l_1	l_2	HWS
HSK-L229.0063.1K2	35,5	63	l_1+b_1+w/2	70,3	58	BK2292
HSK-L229.0063.2K2	35,5	63	l_1+b_1+w/2	90,3	78	BK2292
HSK-R229.0063.1K2	35,5	63	l_1+b_1+w/2	70,3	58	BK2291
HSK-R229.0063.2K2	35,5	63	l_1+b_1+w/2	90,3	78	BK2291

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

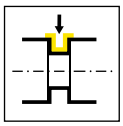
Für Kassetten BK229 **mit** Kühlmittelzufuhr
For kassettes BK224 **with** coolant supply

Ersatzteile
Spare Parts

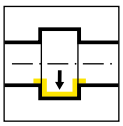
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSK-L229...	**030.0518.T20P**	**T20PQ**

Ein-/Abstechen, Axialeinstechen
Grooving, Parting off and Face Grooving

Grundhalter
Basic toolholder
HSKT63/HSKT100



Seite/Page
46-49, 52-53



Seite/Page
50-51

HSKT63 / HSKT100

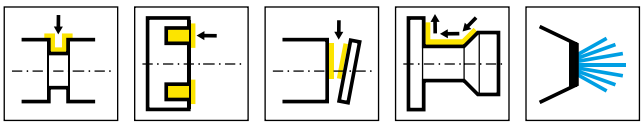


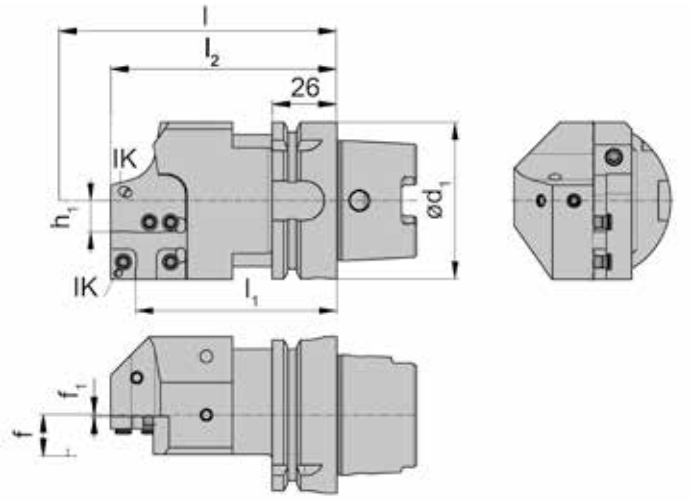
HORN HSKT63 und HSKT100 nach ISO 12164-3

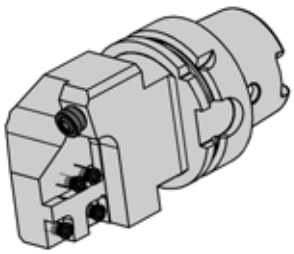
HORN HSKT63 and HSKT100 according to ISO 12164-3

Grundhalter
Basic toolholder

HSKT63







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer 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

lK und f3 siehe Kassetten
lK and f3 see cassettes

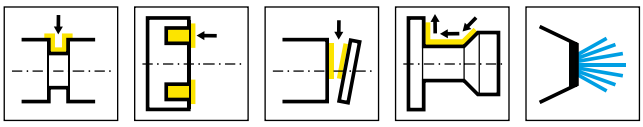
zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

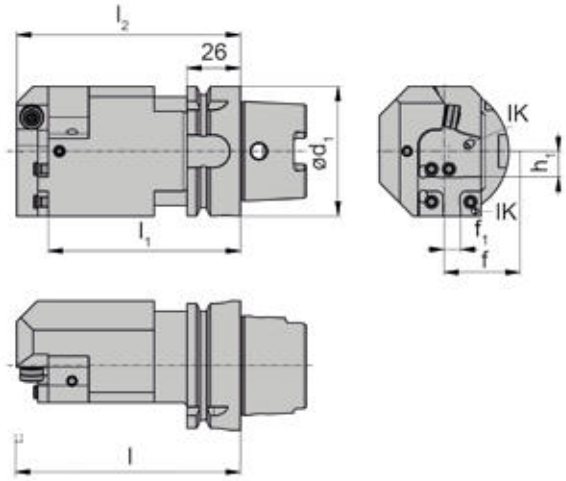
Ersatzteile
Spare Parts

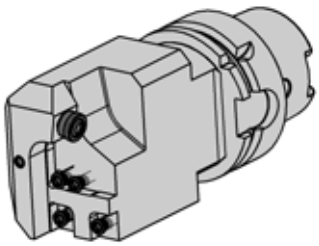
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**Kugelspritzdüse** Coolant spray nozzle	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSKT63...	**5.12T20P**	**020.1008.2977**	**T20PQ**

Grundhalter
Basic toolholder

HSKT63







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

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

lK und f3 siehe Kassetten
lK and f3 see cassettes

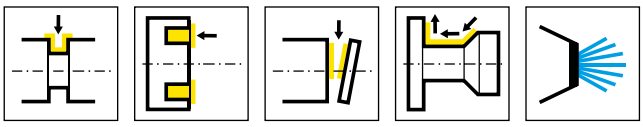
zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

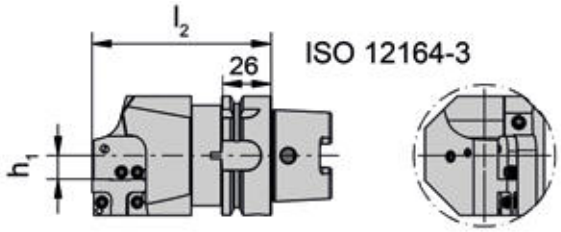
Ersatzteile
Spare Parts

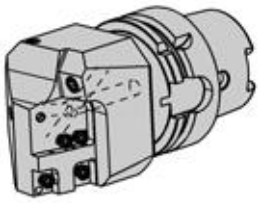
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**Kugelspritzdüse** Coolant spray nozzle	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSKT63...	**5.12T20P**	**020.1008.2977**	**T20PQ**

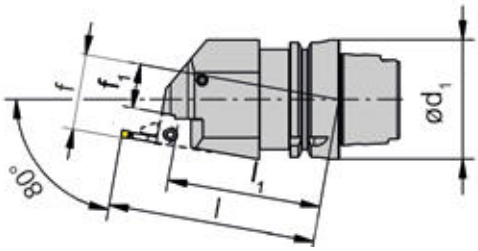
Grundhalter
Basic toolholder

HSKT63









R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer 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

lK und f3 siehe Kassetten
lK and f3 see cassettes

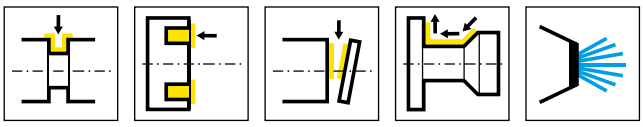
zum Einsatz auf Multi-Tasking Maschinen mit 10° Spindelanstellung
for using on multi-tasking machines with 10° orientation to spindle

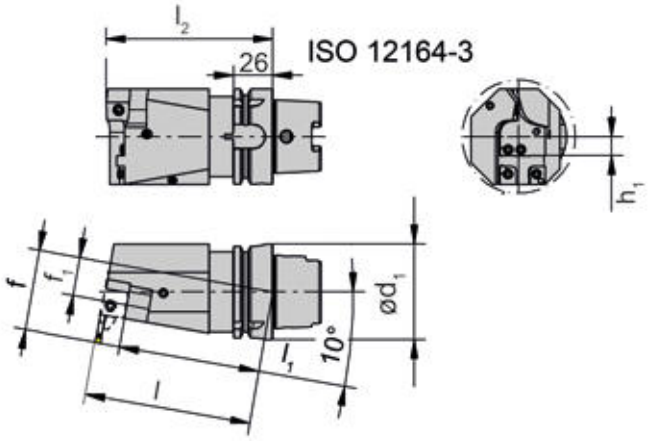
Ersatzteile
Spare Parts

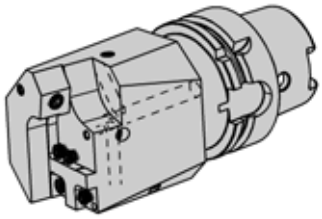
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSKT63.L220.110.K3.IK	**5.12T20P**	**T20PQ**

Grundhalter
Basic toolholder

HSKT63







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

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

lK und f3 siehe Kassetten
lK and f3 see cassettes

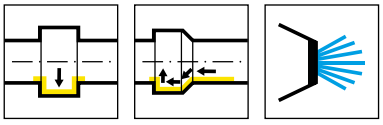
zum Einsatz auf Multi-Tasking Maschinen mit 10° Spindelanstellung
for using on multi-tasking machines with 10° orientation to spindle

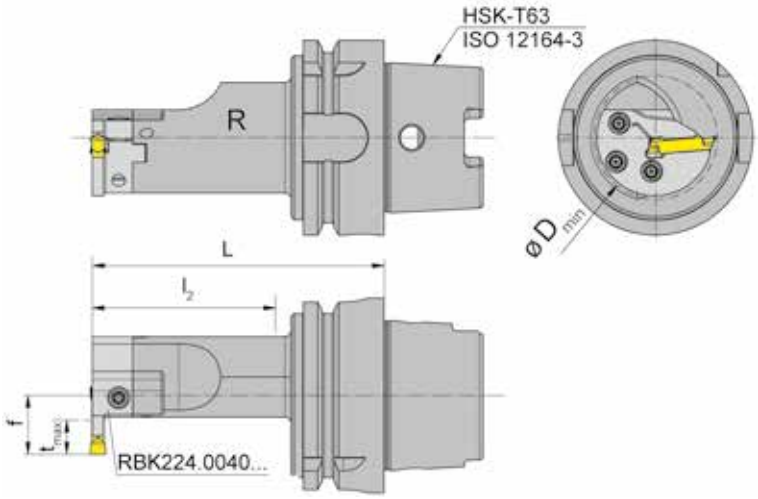
Ersatzteile
Spare Parts

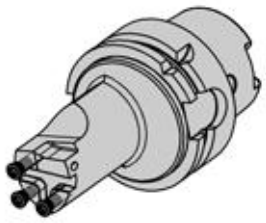
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSKT63...	**5.12T20P**	**T20PQ**

Grundhalter
Basic toolholder

HSKT63







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	f	L	t_{max}	D_{min}	l_2	HWS
HSKT63.LB224.095.K2	19	95	11	39	60	BK2242
HSKT63.LB224.115.K2	19	115	11	39	80	BK2242
HSKT63.RB224.095.K2	19	95	11	39	60	BK2241
HSKT63.RB224.115.K2	19	115	11	39	80	BK2241

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

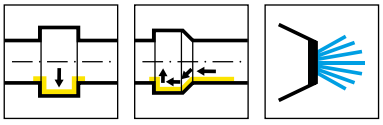
Für Kassetten BK224 **ohne** Kühlmittelzufuhr
For kassettes BK224 **without** coolant supply

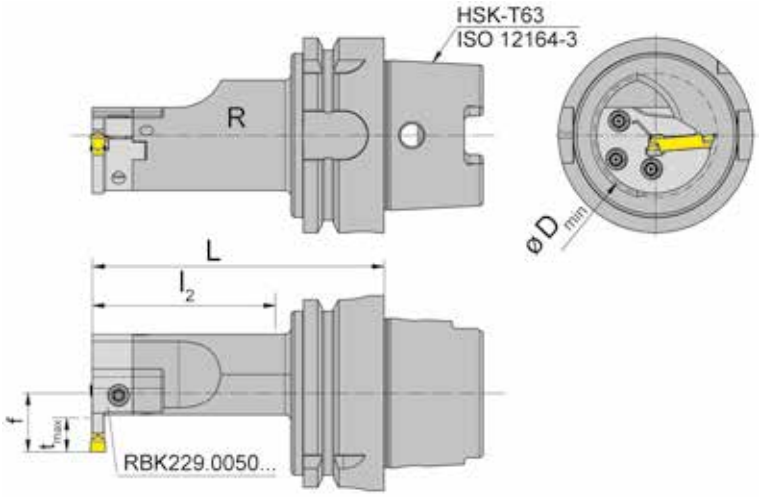
Ersatzteile
Spare Parts

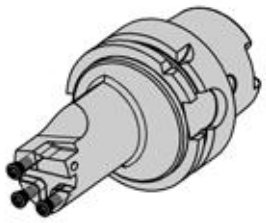
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSKT63...	**030.0518.T20P**	**T20PQ**

Grundhalter
Basic toolholder

HSKT63







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	f	L	t_{max}	D_{min}	l_2	HWS
HSKT63.LB229.095.K2	24,2	95	12	50	60	BK2292
HSKT63.LB229.115.K2	24,2	115	12	50	80	BK2292
HSKT63.RB229.095.K2	24,2	95	12	50	60	BK2291

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

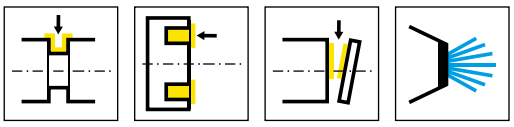
Für Kassetten BK229 **ohne** Kühlmittelzufuhr
For kassettes BK224 **without** coolant supply

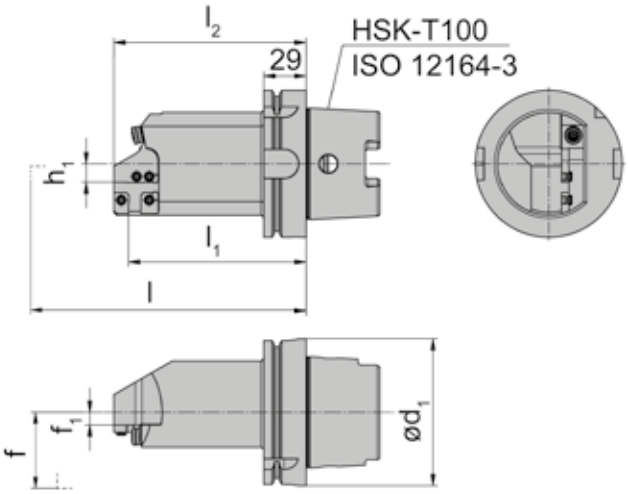
Ersatzteile
Spare Parts

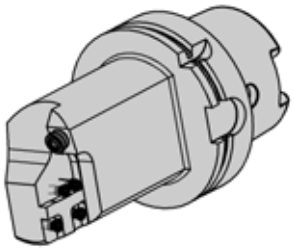
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSKT63...	**030.0518.T20P**	**T20PQ**

Grundhalter
Basic toolholder

HSKT100







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	l_1	d_1	f_1	l	l_2	f	h_1	HWS
HSKT100.L220.150.K1.IK	121	100	8,6	l_1+l_K	131	f_1+f_3	12,5	220002
HSKT100.R220.150.K1.IK	121	100	8,6	l_1+l_K	131	f_1+f_3	12,5	220001

lK und f3 siehe Kassetten
lK and f3 see cassettes

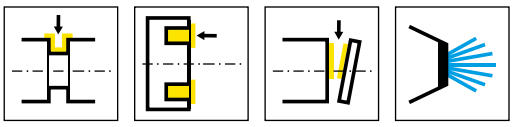
zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

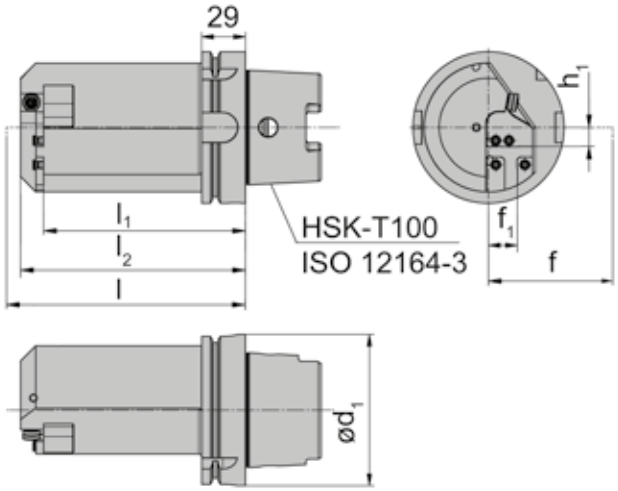
Ersatzteile
Spare Parts

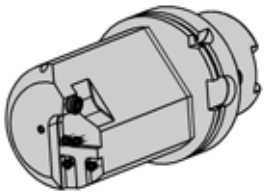
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSKT100...	**5.12T20P**	**T20PQ**

Grundhalter
Basic toolholder

HSKT100







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

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

lK und f3 siehe Kassetten
lK and f3 see cassettes

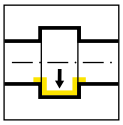
zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSKT100...	**5.12T20P**	**T20PQ**

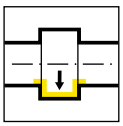
Einstechen und Abstechen
Grooving and Parting Off

Grundhalter
Basic toolholder
B223/B224/B229



Seite/Page
56, 58, 61

Kassette
Cassette
BK223/BK224/BK229



Seite/Page
57, 59-60, 62-63

BK

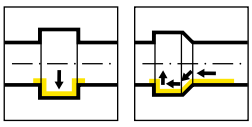


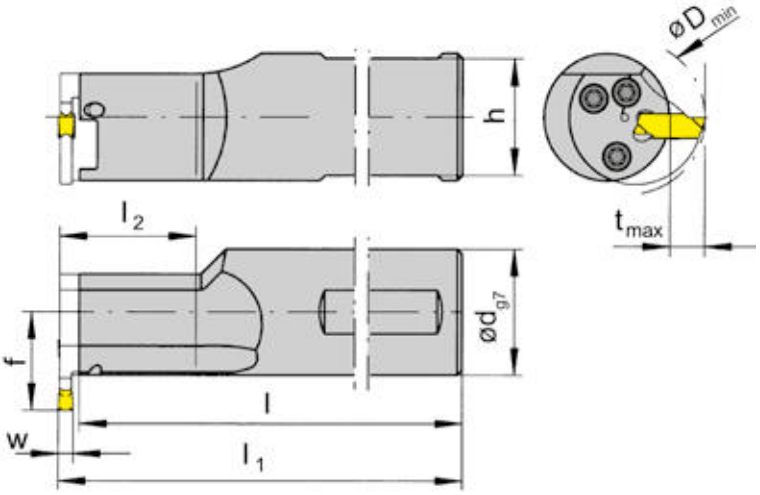
Kassetten für die Innenbearbeitung

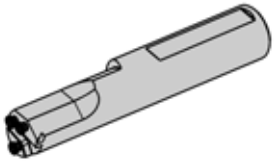
Cassettes for internal machining

Grundhalter
Basic toolholder

B223







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

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

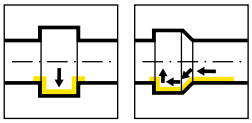
Für Kassetten BK223 **ohne** Kühlmittelzufuhr
For kassettes BK223 **without** coolant supply

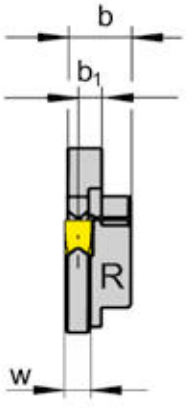
Ersatzteile
Spare Parts

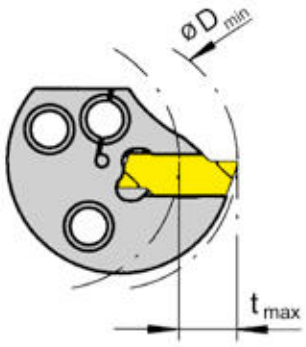
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LB223...	**4.09T15P**	**T15PL**

Kassette
Cassette

BK223









R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	D_{min}	t_{max}	b	b_1	HWS	HMS
RBK223.0028.01	28	6,3	7,4	3,1	22301	BK2231
RBK223.0028.02	28	6,3	7,4	2,95	22302	BK2231
RBK223.0028.03	28	6,3	7,4	2,7	22303	BK2231
LBK223.0028.01	28	6,3	7,4	3,1	22301	BK2232
LBK223.0028.02	28	6,3	7,4	2,95	22302	BK2232
LBK223.0028.03	28	6,3	7,4	2,7	22303	BK2232

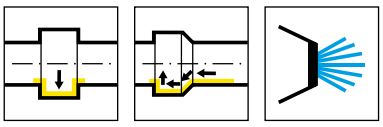
w siehe WSP
w see indexable inserts

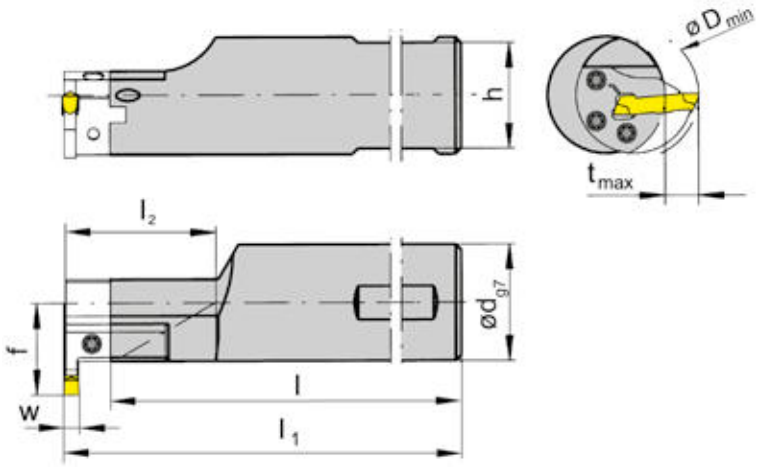
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

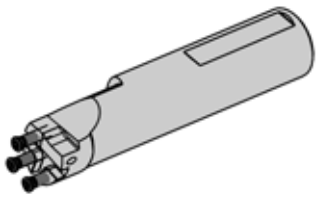
Für Grundhalter B223 **ohne** Kühlmittelzufuhr
For basic toolholder B223 **without** coolant supply

Grundhalter
Basic toolholder

B224







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer 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
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

w siehe WSP
w see indexable inserts

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

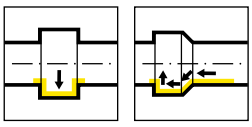
Für Kassetten BK224 **mit** Kühlmittelzufuhr
For kassettes BK224 **with** coolant supply

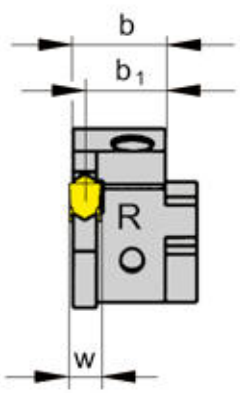
Ersatzteile
Spare Parts

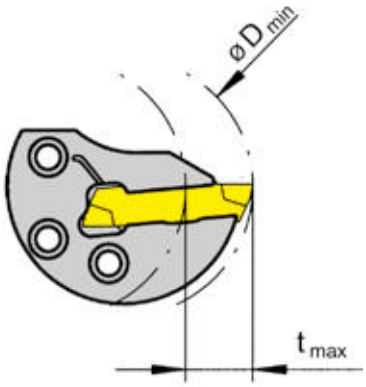
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LB224...	**030.0518.T20P**	**T20PQ**

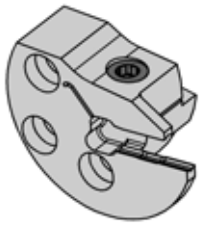
Kassette
Cassette

BK224









R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	D_{min}	t_{max}	b	b_1	HWS	HMS
RBK224.0040.01	40	11	13,4	12,7	224018	B22401
RBK224.0040.02	40	11	13,35	12,45	224028	B22401
RBK224.0040.03	40	11	13,3	12,2	224038	B22401
RBK224.0040.04	40	11	13,15	11,7	224048	B22401
RBK224.0040.05	40	11	13,05	11,2	224058	B22401
RBK224.0040.06	40	11	12,95	10,7	224068	B22401
LBK224.0040.01	40	11	13,4	12,7	224018	B22402
LBK224.0040.02	40	11	13,35	12,45	224028	B22402
LBK224.0040.03	40	11	13,3	12,2	224038	B22402
LBK224.0040.04	40	11	13,15	11,7	224048	B22402
LBK224.0040.05	40	11	13,05	11,2	224058	B22402
LBK224.0040.06	40	11	12,95	10,7	224068	B22402

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 seperate order required.

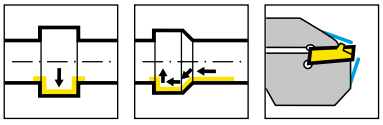
Für Grundhalter B224 **ohne** Kühlmittelzufuhr
For basic toolholder B224 **without** coolant supply

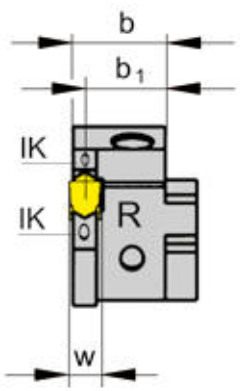
Ersatzteile
Spare Parts

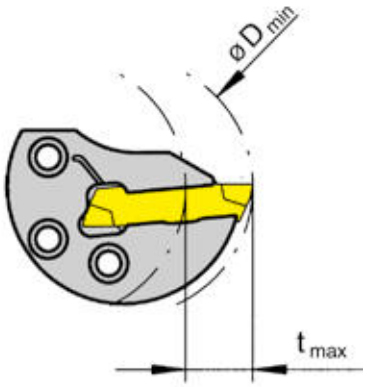
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LBK224...	**5.13T20EP**	**T20PQ**

Kassette
Cassette

BK224









R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	D_{min}	t_{max}	b	b_1	HWS	HMS
RBK224.0040.01.IK	40	11	13,5	12,7	224018	B22401
RBK224.0040.02.IK	40	11	13,45	12,45	224028	B22401
RBK224.0040.03.IK	40	11	13,4	12,2	224038	B22401
RBK224.0040.04.IK	40	11	13,35	11,7	224048	B22401
RBK224.0040.05.IK	40	11	13,2	11,2	224058	B22401
RBK224.0040.06.IK	40	11	13,05	10,7	224068	B22401
LBK224.0040.01.IK	40	11	13,5	12,7	224018	B22402
LBK224.0040.02.IK	40	11	13,45	12,45	224028	B22402
LBK224.0040.03.IK	40	11	13,4	12,2	224038	B22402
LBK224.0040.04.IK	40	11	13,35	11,7	224048	B22402
LBK224.0040.05.IK	40	11	13,2	11,2	224058	B22402
LBK224.0040.06.IK	40	11	13,05	10,7	224068	B22402

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 seperate order required.

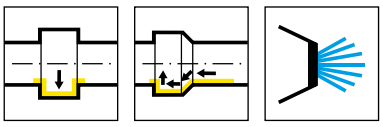
Für Grundhalter B224 **mit** Kühlmittelzufuhr
For basic toolholder B224 **with** coolant supply

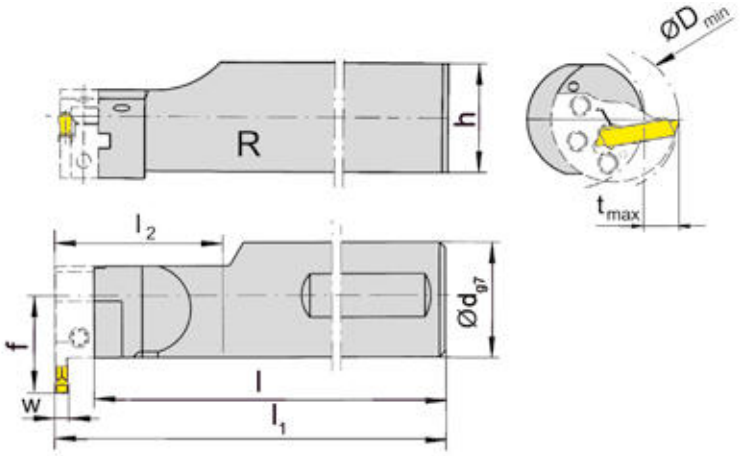
Ersatzteile
Spare Parts

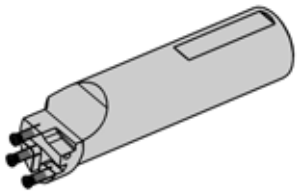
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LBK224...	**5.13T20EP**	**T20PQ**

Grundhalter
Basic toolholder

B229







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	d	l	h	f	HWS
RB229.0040.1.K2.IK	40	172,5	38	35,5	BK2291
RB229.0040.2.K2.IK	40	185,5	38	35,5	BK2291
LB229.0040.1.K2.IK	40	172,5	38	35,5	BK2292
LB229.0040.2.K2.IK	40	185,5	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

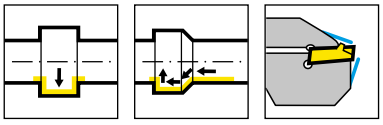
Für Kassetten BK229 **mit** Kühlmittelzufuhr
For kassettes BK229 **with** coolant supply

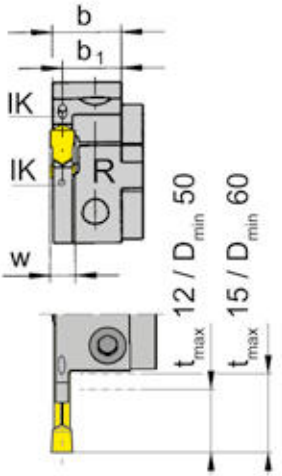
Ersatzteile
Spare Parts

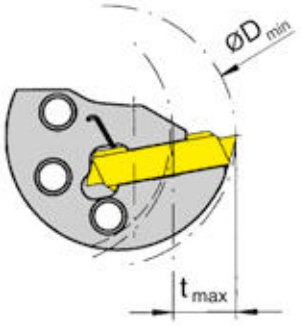
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LB229...	**030.0518.T20P**	**T20PQ**

Kassette
Cassette

BK229









R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	b	b_1	HWS	HMS
RBK229.0050.03.IK	14,2	13	229030	BK2291
RBK229.0050.04.IK	14,15	12,5	229040	BK2291
LBK229.0050.03.IK	14,2	13	229030	BK2292
LBK229.0050.04.IK	14,15	12,5	229040	BK2292
LBK229.0050.05.IK	13,8	11,5	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 seperate order required.

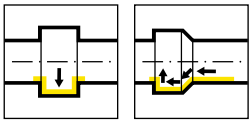
Für Grundhalter B229 **mit** Kühlmittelzufuhr
For basic toolholder B229 **with** coolant supply

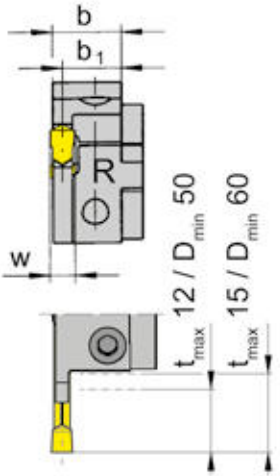
Ersatzteile
Spare Parts

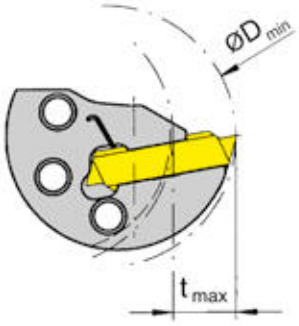
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LBK229.0050....	**5.13T20EP**	**T20PQ**

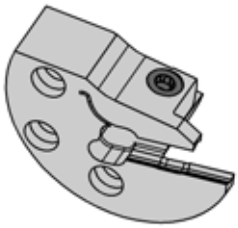
Kassette
Cassette

BK229









R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	b	b_1	HWS	HMS
RBK229.0050.03	14,25	13	229030	BK2291
RBK229.0050.04	14,2	12,5	229040	BK2291
RBK229.0050.05	13,85	11,5	229050 • 229051	BK2291
LBK229.0050.03	14,25	13	229030	BK2292
LBK229.0050.04	14,2	12,5	229040	BK2292
LBK229.0050.05	13,85	11,5	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 seperate order required.

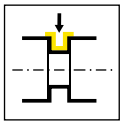
Für Grundhalter B229 **ohne** Kühlmittelzufuhr
For basic toolholder B229 **without** coolant supply

Ersatzteile
Spare Parts

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

Einstechen und Abstechen
Grooving and Parting Off

Kassette
Cassette
NK100/NK224/NK220/
NK274
NK34T/NK360/NK368/
NK356/NK316
NK64T



Seite/Page
66-75

NK



Kassetten für die Außenbearbeitung

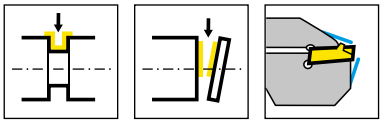
NK100	NK360
NK224	NK368
NK220	NK356
NK274	NK316
NK34T	NK64T

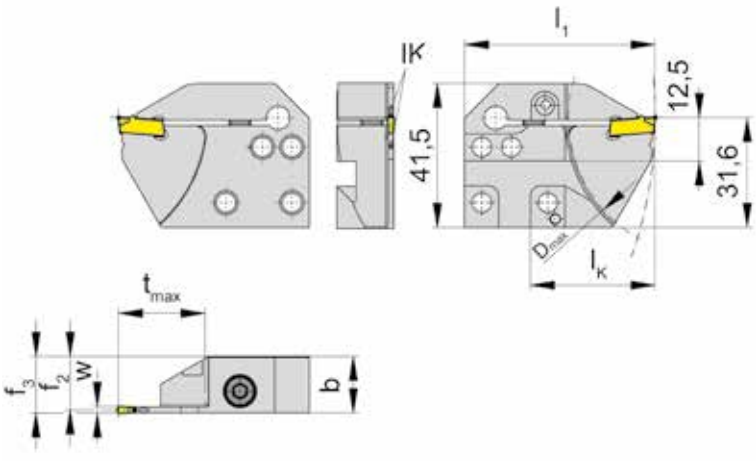
Cassettes for external machining

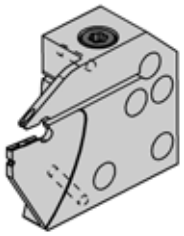
NK100	NK360
NK224	NK368
NK220	NK356
NK274	NK316
NK34T	NK64T

Kassette
Cassette

NK100







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	b	f_2	f_3	w	D_{max}	l_1	l_K	HWS	HMS
RNK100.3215.4.21.IK	25	16,25	15,4	f_2+w/2	2	80	55	36	100018	220001
RNK100.3215.4.22.IK	25	16,2	15,15	f_2+w/2	2,5	80	55	36	100028	220001
RNK100.3215.4.23.IK	25	16,25	14,9	f_2+w/2	3	80	55	36	100038	220001
RNK100.3215.4.24.IK	25	16,1	14,4	f_2+w/2	4	80	55	36	100048	220001
LNK100.3215.4.21.IK	25	16,25	15,4	f_2+w/2	2	80	55	36	100018	220002
LNK100.3215.4.22.IK	25	16,2	15,15	f_2+w/2	2,5	80	55	36	100028	220002
LNK100.3215.4.23.IK	25	16,25	14,9	f_2+w/2	3	80	55	36	100038	220002
LNK100.3215.4.24.IK	25	16,1	14,4	f_2+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 seperate order required.

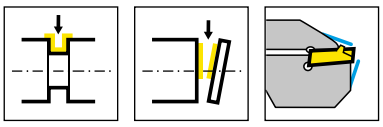
Kühlmittelaustritt:
Durch Spannfinger und Unterstützung
Coolant outlet:
Through clamping finger and insert support

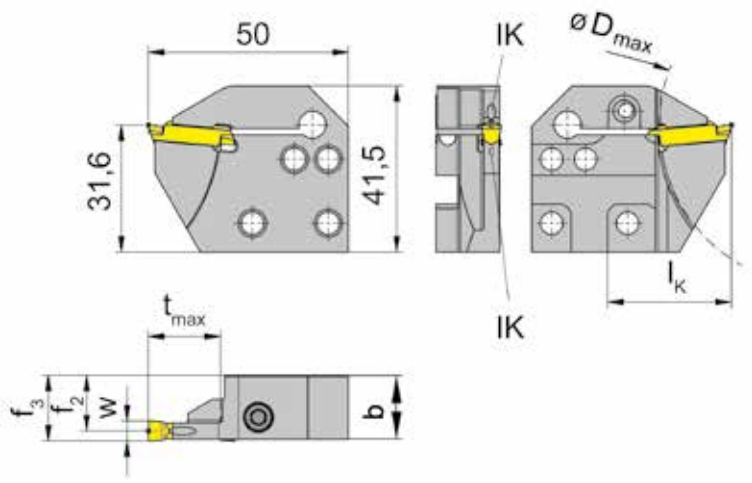
Ersatzteile
Spare Parts

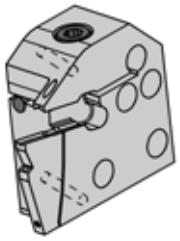
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK100...	**6.23T25P**	**T25PQ**

Kassette
Cassette

NK224







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	b	f_2	f_3	D_{max}	l_K	HWS	HMS
RNK224.3215.2.01.IK	18	16,1	15,4	f_2+w/2	80	31	224018	220001
RNK224.3215.2.02.IK	18	16,15	15,15	f_2+w/2	80	31	224028	220001
RNK224.3215.4.03.IK	18	16,15	14,9	f_2+w/2	80	31	224038	220001
RNK224.3215.4.04.IK	18	16,05	14,4	f_2+w/2	80	31	224048	220001
RNK224.3215.4.05.IK	18	15,95	13,9	f_2+w/2	80	31	224058	220001
RNK224.3215.4.06.IK	18	15,8	13,4	f_2+w/2	80	31	224068	220001
LNK224.3215.2.01.IK	18	16,1	15,4	f_2+w/2	80	31	224018	220002
LNK224.3215.2.02.IK	18	16,15	15,15	f_2+w/2	80	31	224028	220002
LNK224.3215.4.03.IK	18	16,15	14,9	f_2+w/2	80	31	224038	220002
LNK224.3215.4.04.IK	18	16,05	14,4	f_2+w/2	80	31	224048	220002
LNK224.3215.4.05.IK	18	15,95	13,9	f_2+w/2	80	31	224058	220002
LNK224.3215.4.06.IK	18	15,8	13,4	f_2+w/2	80	31	224068	220002

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.

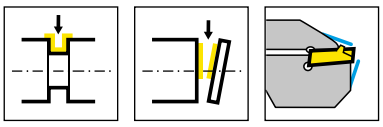
Kühlmittelaustritt:
.2. = Durch Spannfinger
.4. = Durch Spannfinger und Unterstützung
Coolant outlet:
.2. = Through clamping finger
.4. = Through clamping finger and insert support

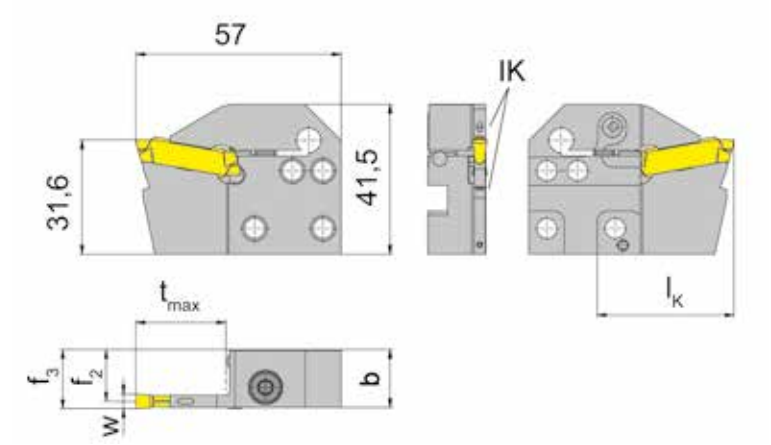
Ersatzteile
Spare Parts

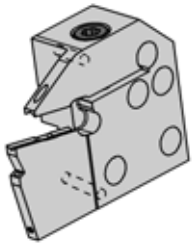
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK224...	**5.13T20P**	**T20PQ**

Kassette
Cassette

NK220







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	b	f_2	f_3	D_{max}	l_1	l_K	HWS	HMS
RNK220.3215.4.03.IK	25	16,2	14,9	f_2+w/2	-	57	38	229030	220001
RNK220.3215.4.04.IK	25	16,1	14,4	f_2+w/2	-	57	38	229040	220001
RNK220.3215.4.05.IK	25	15,95	13,9	f_2+w/2	-	57	38	229050 • 229051	220001
RNK220.3215.4.06.IK	25	15,85	13,4	f_2+w/2	-	57	38	229060 • 229061	220001
RNK220.3218.4.13.IK	15	18,4	17,1	f_2+w/2	180	51	32	229030	220001
RNK220.3218.4.14.IK	15	18,3	16,6	f_2+w/2	180	51	32	229040	220001
RNK220.3218.4.15.IK	15	18,15	16,1	f_2+w/2	180	51	32	229050 • 229051	220001
RNK220.3218.4.16.IK	15	18,05	15,6	f_2+w/2	180	51	32	229060 • 229061	220001
LNK220.3215.4.03.IK	25	16,2	14,9	f_2+w/2	-	57	38	229030	220002
LNK220.3215.4.04.IK	25	16,1	14,4	f_2+w/2	-	57	38	229040	220002
LNK220.3215.4.05.IK	25	15,95	13,9	f_2+w/2	-	57	38	229050 • 229051	220002
LNK220.3215.4.06.IK	25	15,85	13,4	f_2+w/2	-	57	38	229060 • 229061	220002
LNK220.3218.4.13.IK	15	18,4	17,1	f_2+w/2	180	51	32	229030	220002
LNK220.3218.4.14.IK	15	18,3	16,6	f_2+w/2	180	51	32	229040	220002
LNK220.3218.4.15.IK	15	18,15	16,1	f_2+w/2	180	51	32	229050 • 229051	220002
LNK220.3218.4.16.IK	15	18,05	15,6	f_2+w/2	180	51	32	229060 • 229061	220002

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.

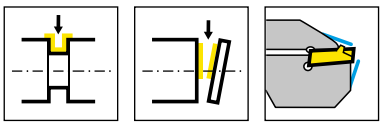
Kühlmittelaustritt:
Durch Spannfinger und Unterstützung
Coolant outlet:
Through clamping finger and insert support

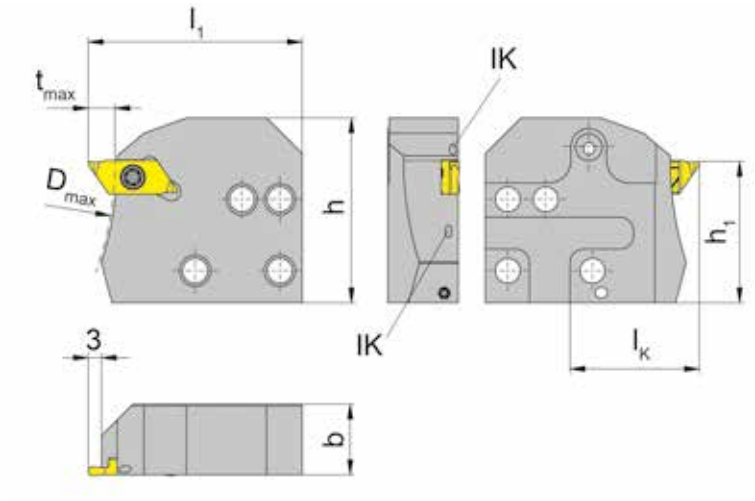
Ersatzteile
Spare Parts

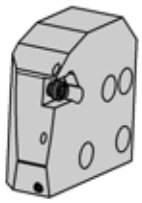
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK220...	**6.23T25P**	**T25PQ**

Kassette
Cassette

NK274







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	b	f_2	D_{max}	l_1	h	h_1	l_K	HWS	HMS
RNK274.0220.4.04.IK	6	15,8	16	150	48	41,4	31,65	29	274040R	220001 • 220002
LNK274.0220.4.04.IK	6	15,8	16	150	48	41,4	31,65	29	274040L	220002 • 220001

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

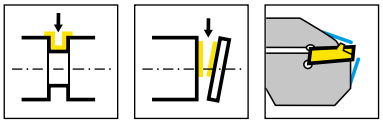
Kühlmittelaustritt:
Durch Spannfinger und Unterstützung
Coolant outlet:
Through clamping finger and insert support

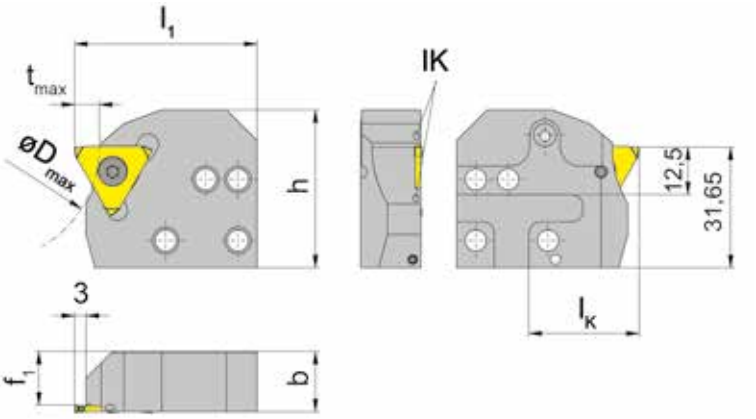
Ersatzteile
Spare Parts

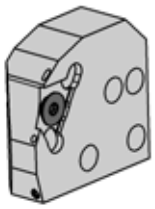
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK274.0220.4.04.IK	**030.3509.T15P**	**T15PQ**

Kassette
Cassette

NK34T







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	b	f	f_1	D_{max}	l_1	h	l_K	HWS	HMS
RNK34T.0220.4.00.IK	6,5	15,8	f_1+w+a_1	15	60	48	41,4	29	34T00R	220001
RNK34T.0220.4.10.IK	6,5	15,8	f_1+w+a_1	14,3	60	48	41,4	29	34T01N	220001
RNK34T.0220.4.20.IK	6,5	15,8	f_1+w+a_1	13,3	60	48	41,4	29	34T02N	220001
RNK34T.0220.4.30.IK	6,5	15,8	f_1+w+a_1	12,3	60	48	41,4	29	34T03N	220001
RNK34T.0220.4.40.IK	6,5	15,8	f_1+w+a_1	11,3	60	48	41,4	29	34T04N	220001
LNK34T.0220.4.00.IK	6,5	15,8	f_1+w+a_1	15	60	48	41,4	29	34T00L	220002
LNK34T.0220.4.10.IK	6,5	15,8	f_1+w+a_1	14,3	60	48	41,4	29	34T01N	220002
LNK34T.0220.4.20.IK	6,5	15,8	f_1+w+a_1	13,3	60	48	41,4	29	34T02N	220002
LNK34T.0220.4.30.IK	6,5	15,8	f_1+w+a_1	12,3	60	48	41,4	29	34T03N	220002
LNK34T.0220.4.40.IK	6,5	15,8	f_1+w+a_1	11,3	60	48	41,4	29	34T04N	220002

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 seperate order required.

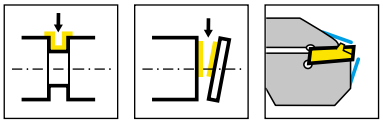
Kühlmittelaustritt:
Durch Spannfinger und Unterstützung
Coolant outlet:
Through clamping finger and insert support

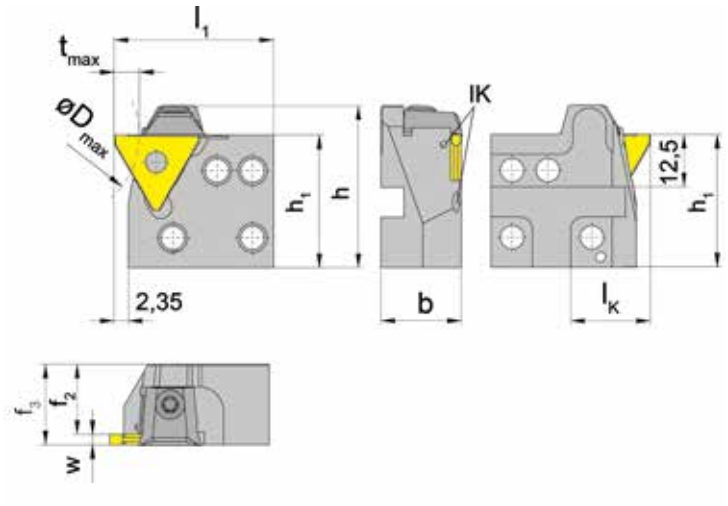
Ersatzteile
Spare Parts

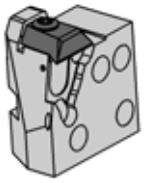
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK34T.0220.4.00.IK/...10.IK	**030.4093.T15P**	**T15PQ**
R/LNK34T.0220.4.20.IK	**030.4010.T15P**	**T15PQ**
R/LNK34T.0220.4.30.IK/...40.IK	**030.5012.T15P**	**T15PQ**

Kassette
Cassette

NK360







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	b	f_2	f_3	D_{max}	l_1	h	h_1	l_K	HWS	HMS
RNK360.0220.5.01.IK	4	19,2	17,7	f_2+w-a_1	40	38	38,65	31,65	19	31201N • 31201R • 31201L • 31208N • 31211N	220001
RNK360.0220.5.02.IK	6	19,2	16,7	f_2+w-a_1	40	38	38,65	31,65	19	31202N • 31202R • 31202L	220001
RNK360.0220.5.03.IK	6	19,2	15,7	f_2+w-a_1	40	38	38,65	31,65	19	31203N • 31203R • 31203L	220001
RNK360.0220.5.04.IK	6	19,2	14	f_2+w-a_1	40	38	38,65	31,65	19	31204N • 31204R • 31204L	220001
LNK360.0220.5.01.IK	4	19,2	17,7	f_2+w-a_1	40	38	38,65	31,65	19	31201N • 31201R • 31201L • 31208N • 31211N	220002
LNK360.0220.5.02.IK	6	19,2	16,7	f_2+w-a_1	40	38	38,65	31,65	19	31202N • 31202R • 31202L	220002
LNK360.0220.5.03.IK	6	19,2	15,7	f_2+w-a_1	40	38	38,65	31,65	19	31203N • 31203R • 31203L	220002
LNK360.0220.5.04.IK	6	19,2	14	f_2+w-a_1	40	38	38,65	31,65	19	31204N • 31204R • 31204L	220002

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 seperate order required.

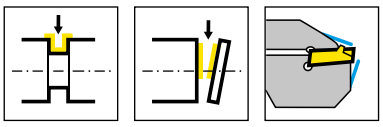
Kühlmittelaustritt:
Durch Unterstützung
Coolant outlet:
Through insert support

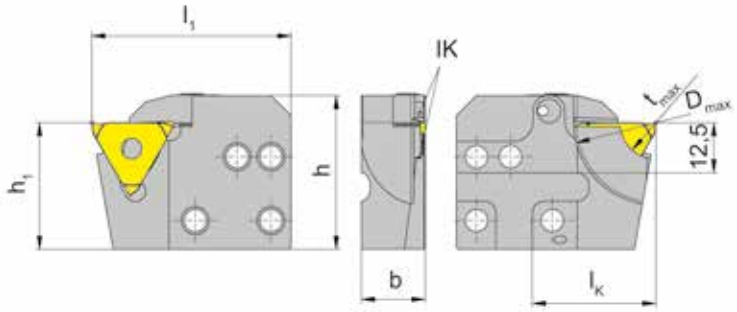
Ersatzteile
Spare Parts

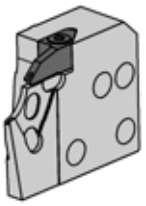
Kassette Cassette	**Spannelement** Clamping element	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK360...	**14.4**	**T15PQ**

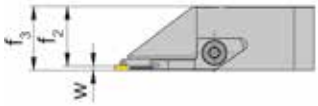
Kassette
Cassette

NK368









R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	b	f_2	f_3	D_{max}	h	h_1	l_K	HWS	HMS
RNK368.0220.4.01.IK	8	16	15	f_2+w-a_1	40	38,5	31,65	31	31208N	220001
RNK368.0220.4.02.IK	8	16	14,7	f_2+w-a_1	40	38,5	31,65	31	31211N	220001
LNK368.0220.4.01.IK	8	16	15	f_2+w-a_1	40	38,5	31,65	31	31208N	220002
LNK368.0220.4.02.IK	8	16	14,7	f_2+w-a_1	40	38,5	31,65	31	31211N	220002

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 seperate order required.

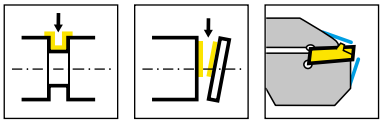
Kühlmittelaustritt:
Durch Spannfinger und Unterstützung
Coolant outlet:
Through clamping finger and insert support

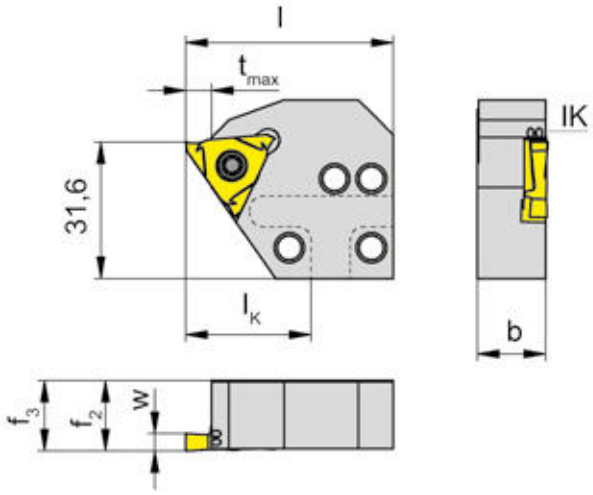
Ersatzteile
Spare Parts

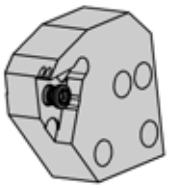
Kassette Cassette	**Spannelement** Clamping element	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
LNK368.0220.4....	**010.0004.0586**	**T10PL**
RNK368.0220.4....	**010.0004.0620**	**T10PL**

Kassette
Cassette

NK356







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	b	f_2	f_3	D_{max}	l	l_K	HWS	HMS
RNK356.0220.03.IK	5	15,8	16,1	$f_3=f_2$	-	48	29	31503L	220001
RNK356.0220.05.IK	5	15,8	16,3	$f_3=f_2$	-	48	29	31505L	220001
RNK356.0220.4.23.IK	5	15,8	16,3	$f_3=f_2$	150	48	29	31503L	220001
RNK356.0220.4.25.IK	5	15,8	16,3	$f_3=f_2$	150	48	29	31505L	220001
RNK356.0220.S.4.03.IK	6	15,8	16,1	$f_3=f_2$	150	48	29	S31503L	220001
LNK356.0220.03.IK	5	15,8	16,1	$f_3=f_2$	-	48	29	31503R	220002
LNK356.0220.05.IK	5	15,8	16,3	$f_3=f_2$	-	48	29	31505R	220002
LNK356.0220.4.23.IK	5	15,8	16,3	$f_3=f_2$	150	48	29	31503R	220002
LNK356.0220.4.25.IK	5	15,8	16,3	$f_3=f_2$	150	48	29	31505R	220002
LNK356.0220.S.4.03.IK	6	15,8	16,1	$f_3=f_2$	150	48	29	S31503R	220002

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

Kühlmittelaustritt:
.03./.05. = Durch Spannfinger und Unterstützung
.23./.25. = Durch Unterstützung

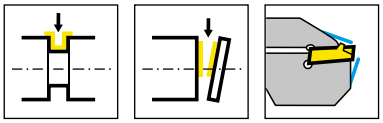
Coolant outlet:
.03./.05. = Through clamping finger and insert support
.23./.25.. = Through insert support

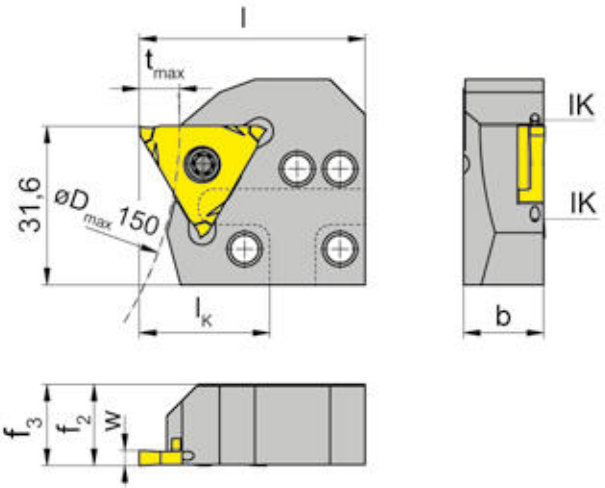
Ersatzteile
Spare Parts

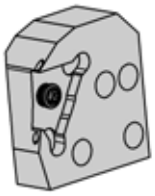
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK356...	**5.12T20P**	**T20PQ**

Kassette
Cassette

NK316







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	b	f_2	f_3	D_{max}	l	l_K	HWS	HMS
RNK316.0220.4.03.IK	8	16	18,1	$f_3=f_2$	150	45	26	31603R	220001
RNK316.0220.4.05.IK	8	16	16,2	$f_3=f_2$	150	45	26	31605R	220001
RNK316.0220.S3.4.03.IK	8	16	16,2	$f_3=f_2$	150	45	26	S31603R	220001
LNK316.0220.4.03.IK	8	16	18,1	$f_3=f_2$	150	45	26	31603L	220002
LNK316.0220.4.05.IK	8	16	16,2	$f_3=f_2$	150	45	26	31605L	220002
LNK316.0220.S3.4.03.IK	8	16	16,2	$f_3=f_2$	150	45	26	S31603L	220002

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

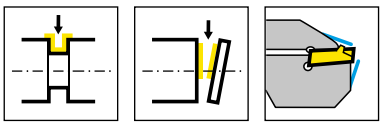
Kühlmittelaustritt:
Durch Spannfinger und Unterstützung
Coolant outlet:
Through clamping finger and insert support

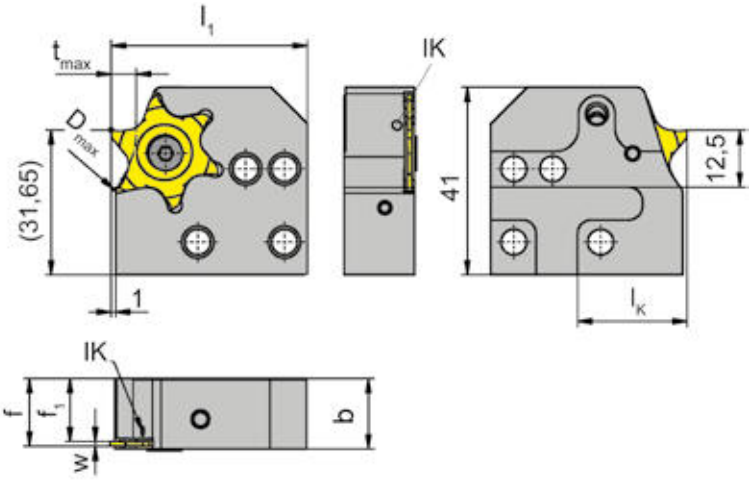
Ersatzteile
Spare Parts

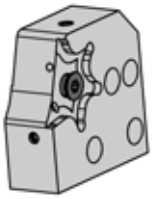
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK316...	**5.12T20P**	**T20PQ**

Kassette
Cassette

NK64T







R = rechts wie gezeichnet
R = right hand version shown

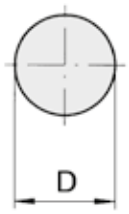
L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	b	f	f_1	D_{max}	l_1	l_K	HWS	HMS
RNK64T.0220.01.IK	5,5	15,4	f_1+w+a_1	13,2	100	43	24	64T01N	220001
RNK64T.0220.02.IK	5,5	15,4	f_1+w+a_1	12,7	100	43	24	64T02N	220001
LNK64T.0220.01.IK	5,5	15,4	f_1+w+a_1	13,2	100	43	24	64T01N	220002
LNK64T.0220.02.IK	5,5	15,4	f_1+w+a_1	12,7	100	43	24	64T02N	220002

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 seperate order required.

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



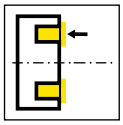
Dmin	tmax
40	5,5
45	5
50	4,5
55	4
65	3,5
70	3,5
80	3
100	2,5

Ersatzteile
Spare Parts

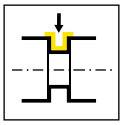
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK64T...	**030.4010.T15P**	**T15PQ**

Axialeinstechen
Face Grooving

Grundhalter
Basic toolholder
B224/220

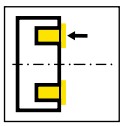


Seite/Page
78



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

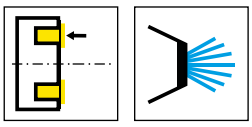
- Grundhalter
- 25A
- 224
- 220

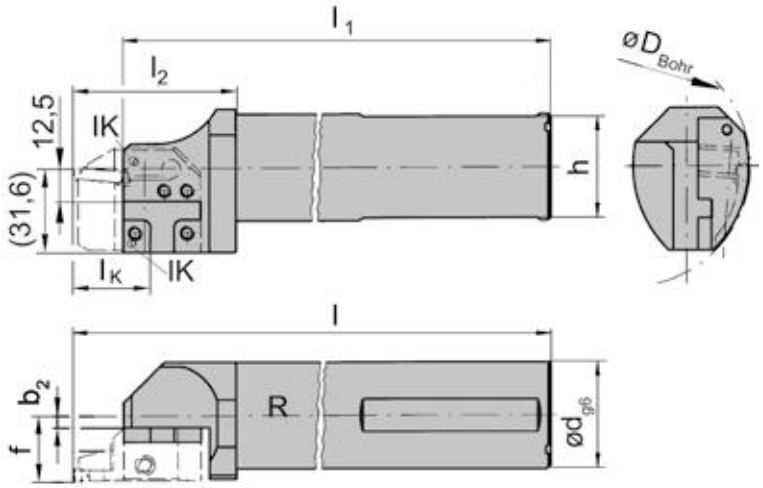
Cassettes for face grooving

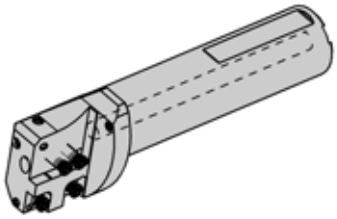
- Basic toolholder
- 25A
- 224
- 220

Grundhalter
Basic toolholder

B224







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	f	d	l_1	h	l_2	b_2	l	D_{Bohr}	HWS
RB224.0032.K1.IK	b_2+f_3	32	181	30	59	0,41	200	90	220002
RB224.0040.K1.IK	b_2+f_3	40	231	38	59	4,41	250	90	220002
LB224.0032.K1.IK	b_2+f_3	32	181	30	59	0,41	200	90	220002
LB224.0040.K1.IK	b_2+f_3	40	231	38	59	4,41	250	90	220002

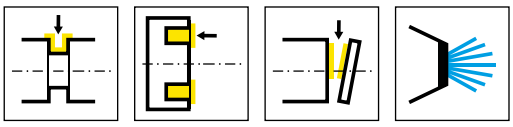
Da min / f3 / lK siehe Kassetten
Da min / f3 / lK see cassettes

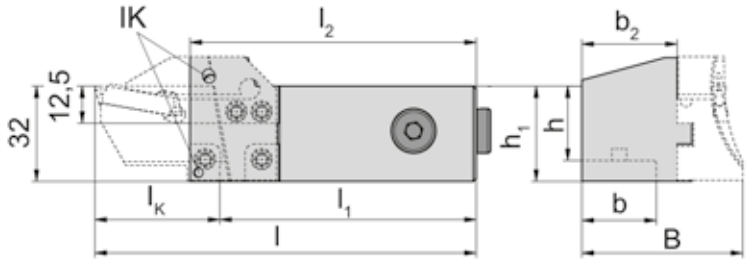
Ersatzteile
Spare Parts

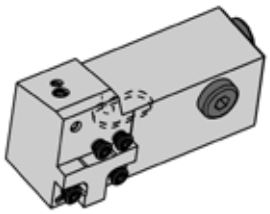
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LB224...	**5.12T20P**	**T20PQ**

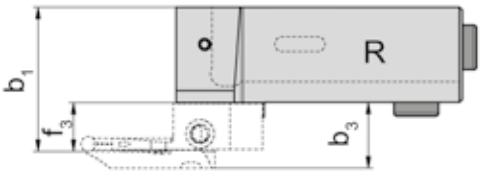
Grundhalter
Basic toolholder

220









R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	h	h_1	l_1	b	b_1	b_2	l_2	l	B	HWS
R220.1616.2.K1.IK	16	32	l_2-10	16	b_2+f_3	23	84	l_1+l_K	b_2+b_3	220001
R220.2020.2.K1.IK	20	32	l_2-10	20	b_2+f_3	27	84	l_1+l_K	b_2+b_3	220001
R220.2525.2.K1.IK	25	32	l_2-10	25	b_2+f_3	32	96	l_1+l_K	b_2+b_3	220001
R220.3225.2.K1.IK	32	32	l_2-10	25	b_2+f_3	25	105	l_1+l_K	b_2+b_3	220001
R220.3232.2.K1.IK	32	32	l_2-10	32	b_2+f_3	32	130	l_1+l_K	b_2+b_3	220001
L220.1616.2.K1.IK	16	32	l_2-10	16	b_2+f_3	23	84	l_1+l_K	b_2+b_3	220002
L220.2020.2.K1.IK	20	32	l_2-10	20	b_2+f_3	27	84	l_1+l_K	b_2+b_3	220002
L220.2525.2.K1.IK	25	32	l_2-10	25	b_2+f_3	32	96	l_1+l_K	b_2+b_3	220002
L220.3225.2.K1.IK	32	32	l_2-10	25	b_2+f_3	25	105	l_1+l_K	b_2+b_3	220002
L220.3232.2.K1.IK	32	32	l_2-10	32	b_2+f_3	32	130	l_1+l_K	b_2+b_3	220002

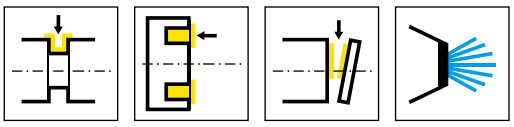
lK, b3 (Maß „b3“ entspricht „b“ bei Axial-Kassetten) und f3 siehe Kassetten
IK, b3 (Dimension „b3“corresponds to „b“ for face grooving cassettes) and f3 see cassettes

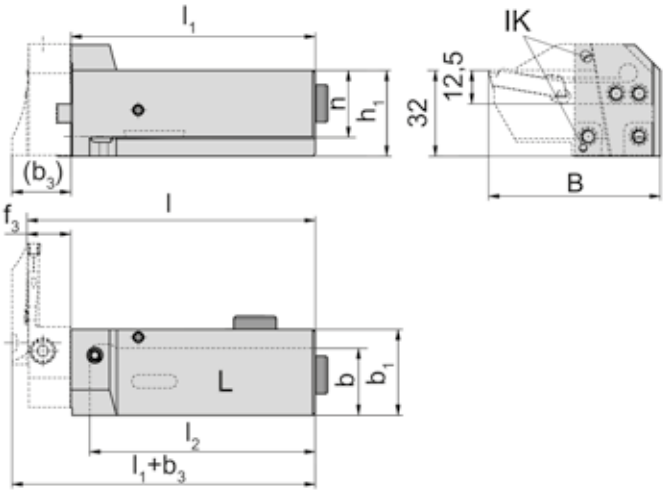
Ersatzteile
Spare Parts

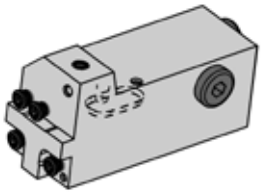
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench	**Verschlussschraube** Screw Plug
R/L220...	**5.12T20P**	**T20PQ**	**004.00.26**

Grundhalter
Basic toolholder

220







L = links wie gezeichnet
L = left hand version shown

R = Rechtsausführung
R = right hand version

Bestellnummer Part number	h	h_1	b	l_2	l	B	b_1	l_1	HWS
R220.1616.2.K2.IK	16	32	16	69	l_1+f_3	l_K+19	32	79	220002
R220.2020.2.K2.IK	20	32	20	69	l_1+f_3	l_K+19	32	79	220002
R220.2525.2.K2.IK	25	32	25	84	l_1+f_3	l_K+19	32	91	220002
R220.3225.2.K2.IK	32	32	29	90	l_1+f_3	l_K+22	37	100	220002
R220.3232.2.K2.IK	32	32	32	115	l_1+f_3	l_K+19	37	125	220002
L220.1616.2.K2.IK	16	32	16	69	l_1+f_3	l_K+19	32	79	220001
L220.2020.2.K2.IK	20	32	20	69	l_1+f_3	l_K+19	32	79	220001
L220.2525.2.K2.IK	25	32	25	84	l_1+f_3	l_K+19	32	91	220001
L220.3225.2.K2.IK	32	32	29	90	l_1+f_3	l_K+22	37	100	220001

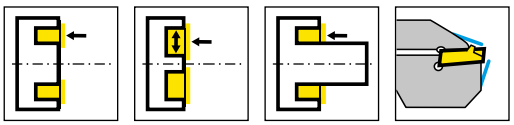
lK, b3 (Maß „b3“ entspricht „b“ bei Axial-Kassetten) und f3 siehe Kassetten
IK, b3 (Dimension „b3“corresponds to „b“ for face grooving cassettes) and f3 see cassettes

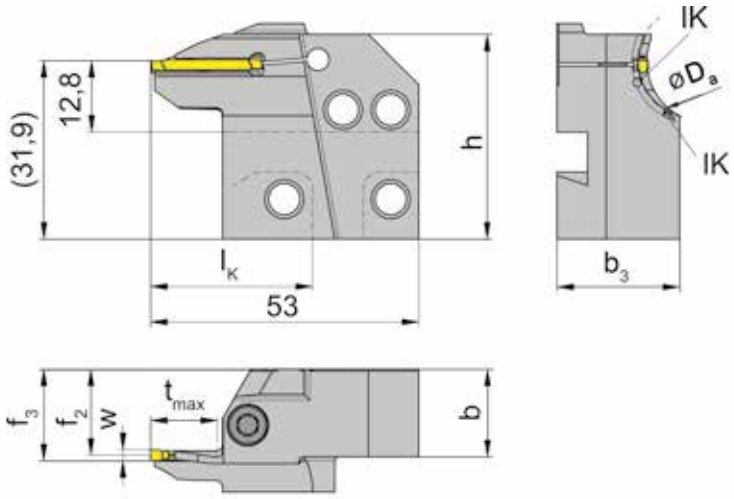
Ersatzteile
Spare Parts

Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench	**Verschlussschraube** Screw Plug
R/L220...	**5.12T20P**	**T20PQ**	**004.00.26**

Kassette
Cassette

AK25A







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	h	l_K	HWS*	HMS
RAK25A.1520.02.IK	15	20	12	15,7	21	15,4	f_2+w/2	2	38,6	34	25A02	220001
RAK25A.2025.02.IK	20	25	12	15,7	22	15,4	f_2+w/2	2	38,6	34	25A02	220001
RAK25A.2530.02.IK	25	30	13	15,7	23	15,4	f_2+w/2	2	38,6	34	25A02	220001
RAK25A.2025.03.IK	20	25	14	15,7	24	14,9	f_2+w/2	3	38,6	34	25A03	220001
RAK25A.2530.03.IK	25	30	15	15,7	25	14,9	f_2+w/2	3	38,6	34	25A03	220001
RAK25A.3040.03.IK	30	40	16	15,7	23	14,9	f_2+w/2	3	38,6	34	25A03	220001
RAK25A.4050.03.IK	40	50	18	15,7	24	14,9	f_2+w/2	3	38,6	34	25A03	220001
RAK25A.5065.03.IK	65	80	18	15,7	21,5	15,4	f_2+w/2	3	39	34	25A03	220001
RAK25A.6580.03.IK	50	65	20	15,7	24	17,1	f_2+w/2	3	39	34	25A03	220001
LAK25A.1520.02.IK	15	20	12	15,7	21	15,4	f_2+w/2	2	38,6	34	25A02	220002
LAK25A.2025.02.IK	20	25	12	15,7	22	15,4	f_2+w/2	2	38,6	34	25A02	220002
LAK25A.2530.02.IK	25	30	13	15,7	23	15,4	f_2+w/2	2	38,6	34	25A02	220002
LAK25A.2025.03.IK	20	25	14	15,7	24	14,9	f_2+w/2	3	38,6	34	25A03	220002
LAK25A.2530.03.IK	25	30	15	15,7	25	14,9	f_2+w/2	3	38,6	34	25A03	220002
LAK25A.3040.03.IK	30	40	16	15,7	23	14,9	f_2+w/2	3	38,6	34	25A03	220002
LAK25A.4050.03.IK	40	50	18	15,7	24	14,9	f_2+w/2	3	38,6	34	25A03	220002
LAK25A.5065.03.IK	50	65	18	15,7	22	15,4	f_2+w/2	3	39	34	25A03	220002
LAK25A.6580.03.IK	65	80	18	15,7	21,5	15,4	f_2+w/2	3	39	34	25A03	220002

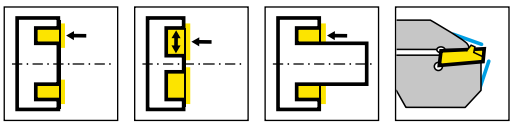
* Schneidplattenbreite beachten
* Please note insert width

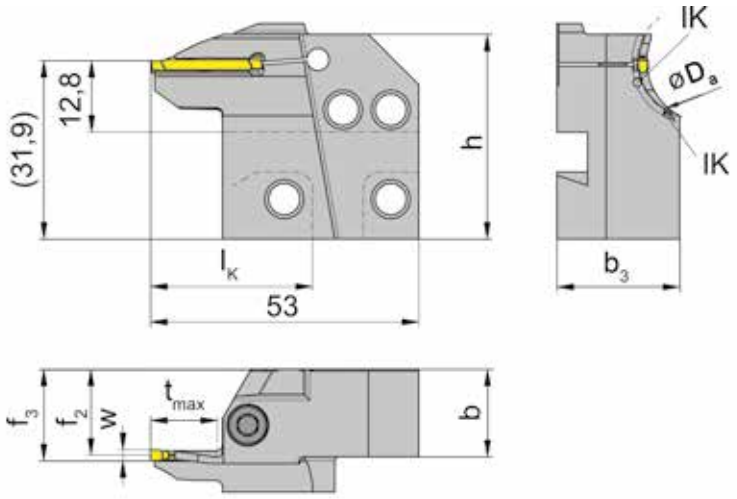
Ersatzteile
Spare Parts

Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LAK25A...	**5.13T20P**	**T20PQ**

Kassette
Cassette

AK25A







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer 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

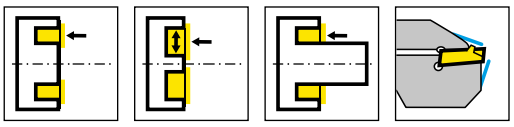
* Schneidplattenbreite beachten
* Please note insert width

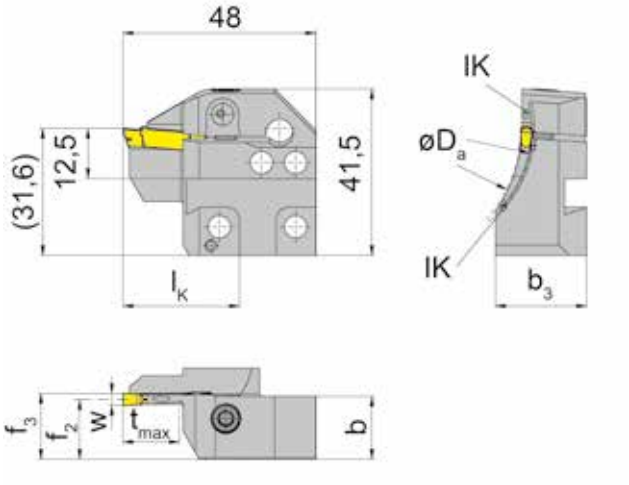
Ersatzteile
Spare Parts

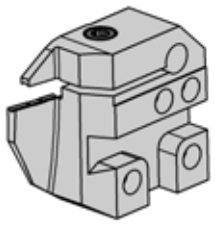
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LAK25A...	**5.13T20P**	**T20PQ**
LAK25A.6580.04.IK	**5.13T20P**	**T20PQ**

Kassette
Cassette

LAK224







L = Linksausführung
L = left hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
LAK224.5060.03.IK	50	60	14	15,7	23,7	14,9	f_2+w/2	3	29	224038	220002
LAK224.6075.03.IK	60	75	14	15,7	22,7	14,9	f_2+w/2	3	29	224038	220002
LAK224.7590.03.IK	75	90	14	15,7	22,7	14,9	f_2+w/2	3	29	224038	220002
LAK224.9011.03.IK	90	110	14	15,7	21	14,9	f_2+w/2	3	29	224038	220002
LAK224.1113.03.IK	110	130	14	15,7	21	14,9	f_2+w/2	3	29	224038	220002
LAK224.1318.03.IK	130	180	14	15,7	20	14,9	f_2+w/2	3	29	224038	220002
LAK224.1830.03.IK	180	300	14	15,7	19	14,9	f_2+w/2	3	29	224038	220002
LAK224.3000.03.IK	300	1000	14	15,7	16,9	14,9	f_2+w/2	3	29	224038	220002
LAK224.3847.04.IK	38	47	14	15,7	24,2	14,4	f_2+w/2	4	29	224048	220002
LAK224.4760.04.IK	47	60	14	15,7	23,7	14,4	f_2+w/2	4	29	224048	220002
LAK224.6075.04.IK	60	75	14	15,7	23,7	14,4	f_2+w/2	4	29	224048	220002
LAK224.7590.04.IK	75	90	14	15,7	22,7	14,4	f_2+w/2	4	29	224048	220002
LAK224.9013.04.IK	90	130	14	15,7	21	14,4	f_2+w/2	4	29	224048	220002
LAK224.1318.04.IK	130	180	14	15,7	21	14,4	f_2+w/2	4	29	224048	220002
LAK224.1830.04.IK	180	300	14	15,7	19	14,4	f_2+w/2	4	29	224048	220002
LAK224.3000.04.IK	300	1000	14	15,7	16,7	14,4	f_2+w/2	4	29	224048	220002

* Schneidplattenbreite beachten
* Please note insert width

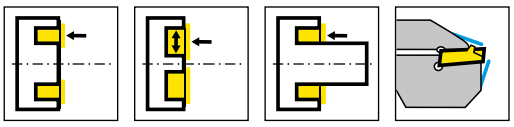
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

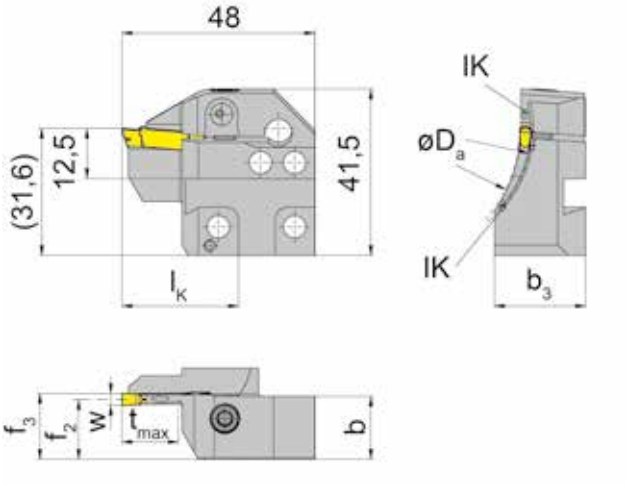
Ersatzteile
Spare Parts

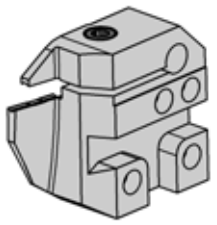
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
LAK224...	**5.13T20P**	**T20PQ**

Kassette
Cassette

LAK224







L = Linksausführung
L = left hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
LAK224.3847.05.IK	38	47	14	15,7	23,7	13,9	f_2+w/2	5	29	224058	220002
LAK224.4760.05.IK	47	60	14	15,7	23,7	13,9	f_2+w/2	5	29	224058	220002
LAK224.6075.05.IK	60	75	14	15,7	23,7	13,9	f_2+w/2	5	29	224058	220002
LAK224.7590.05.IK	75	90	14	15,7	22	13,9	f_2+w/2	5	29	224058	220002
LAK224.9013.05.IK	90	130	14	15,7	22	13,9	f_2+w/2	5	29	224058	220002
LAK224.1318.05.IK	130	180	14	15,7	21	13,9	f_2+w/2	5	29	224058	220002
LAK224.1830.05.IK	180	300	14	15,7	19	13,9	f_2+w/2	5	29	224058	220002
LAK224.3000.05.IK	300	1000	14	15,7	16,7	13,9	f_2+w/2	5	29	224058	220002
LAK224.6075.06.IK	60	75	14	15,7	23	13,4	f_2+w/2	6	29	224068	220002
LAK224.7590.06.IK	75	90	14	15,7	23	13,4	f_2+w/2	6	29	224068	220002
LAK224.9013.06.IK	90	130	14	15,7	21	13,4	f_2+w/2	6	29	224068	220002
LAK224.1318.06.IK	130	180	14	15,7	21	13,4	f_2+w/2	6	29	224068	220002
LAK224.1830.06.IK	180	300	14	15,7	19	13,4	f_2+w/2	6	29	224068	220002
LAK224.3000.06.IK	300	1000	14	15,7	16,7	13,4	f_2+w/2	6	29	224068	220002

* Schneidplattenbreite beachten
* Please note insert width

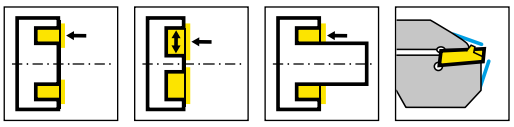
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

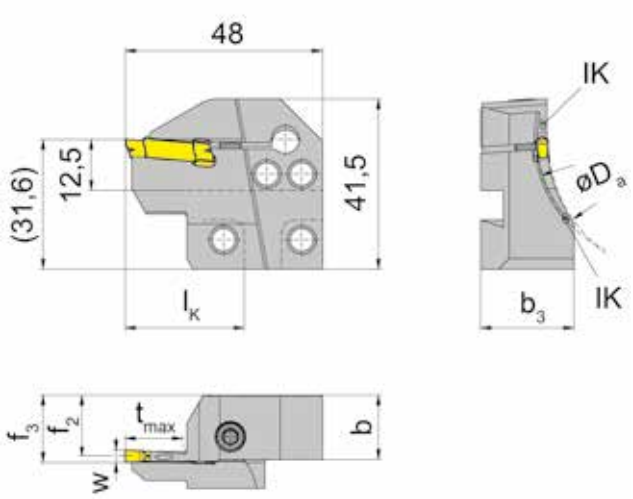
Ersatzteile
Spare Parts

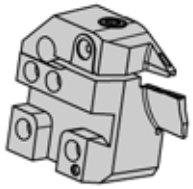
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
LAK224...	**5.13T20P**	**T20PQ**

Kassette
Cassette

RAK224







R = Rechtsausführung
R = right hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
RAK224.5060.03.IK	50	60	14	15,7	23,7	14,9	f_2+w/2	3	29	224038	220001
RAK224.6075.03.IK	60	75	14	15,7	22,7	14,9	f_2+w/2	3	29	224038	220001
RAK224.7590.03.IK	75	90	14	15,7	22,7	14,9	f_2+w/2	3	29	224038	220001
RAK224.9011.03.IK	90	110	14	15,7	21	14,9	f_2+w/2	3	29	224038	220001
RAK224.1113.03.IK	110	130	14	15,7	21	14,9	f_2+w/2	3	29	224038	220001
RAK224.1318.03.IK	130	180	14	15,7	20	14,9	f_2+w/2	3	29	224038	220001
RAK224.1830.03.IK	180	300	14	15,7	19	14,9	f_2+w/2	3	29	224038	220001
RAK224.3000.03.IK	300	1000	14	15,7	16,9	14,9	f_2+w/2	3	29	224038	220001
RAK224.3847.04.IK	38	47	14	15,7	24,2	14,4	f_2+w/2	4	29	224048	220001
RAK224.4760.04.IK	47	60	14	15,7	23,7	14,4	f_2+w/2	4	29	224048	220001
RAK224.6075.04.IK	60	75	14	15,7	23,7	14,4	f_2+w/2	4	29	224048	220001
RAK224.7590.04.IK	75	90	14	15,7	22,7	14,4	f_2+w/2	4	29	224048	220001
RAK224.9013.04.IK	90	130	14	15,7	21	14,4	f_2+w/2	4	29	224048	220001
RAK224.1318.04.IK	130	180	14	15,7	21	14,4	f_2+w/2	4	29	224048	220001
RAK224.1830.04.IK	180	300	14	15,7	19	14,4	f_2+w/2	4	29	224048	220001
RAK224.3000.04.IK	300	1000	14	15,7	16,7	14,4	f_2+w/2	4	29	224048	220001

* Schneidplattenbreite beachten
* Please note insert width

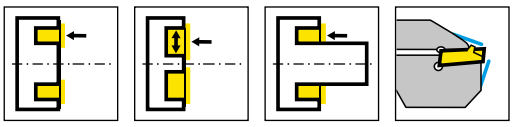
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

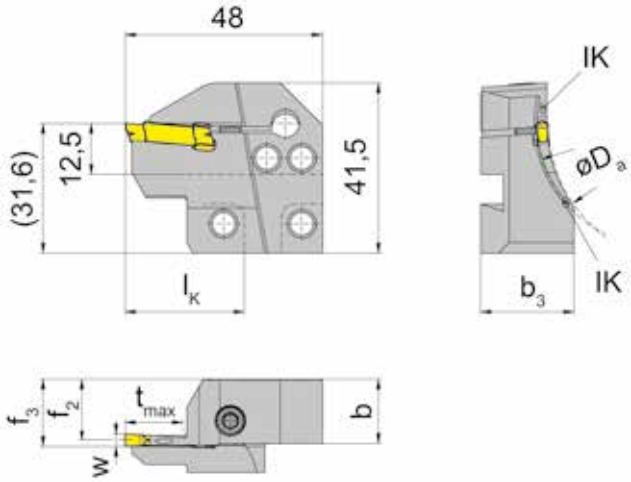
Ersatzteile
Spare Parts

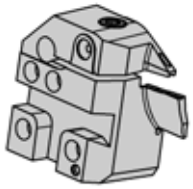
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
RAK224...	**5.13T20P**	**T20PQ**

Kassette
Cassette

RAK224







R = Rechtsausführung
R = right hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
RAK224.3847.05.IK	38	47	14	15,7	23,7	13,9	f_2+w/2	5	29	224058	220001
RAK224.4760.05.IK	47	60	14	15,7	23,7	13,9	f_2+w/2	5	29	224058	220001
RAK224.6075.05.IK	60	75	14	15,7	23,7	13,9	f_2+w/2	5	29	224058	220001
RAK224.7590.05.IK	75	90	14	15,7	22	13,9	f_2+w/2	5	29	224058	220001
RAK224.9013.05.IK	90	130	14	15,7	22	13,9	f_2+w/2	5	29	224058	220001
RAK224.1318.05.IK	130	180	14	15,7	21	13,9	f_2+w/2	5	29	224058	220001
RAK224.1830.05.IK	180	300	14	15,7	19	13,9	f_2+w/2	5	29	224058	220001
RAK224.3000.05.IK	300	1000	14	15,7	16,7	13,9	f_2+w/2	5	29	224058	220001
RAK224.6075.06.IK	60	75	14	15,7	23	13,4	f_2+w/2	6	29	224068	220001
RAK224.7590.06.IK	75	90	14	15,7	23	13,4	f_2+w/2	6	29	224068	220001
RAK224.9013.06.IK	90	130	14	15,7	21	13,4	f_2+w/2	6	29	224068	220001
RAK224.1318.06.IK	130	180	14	15,7	21	13,4	f_2+w/2	6	29	224068	220001
RAK224.1830.06.IK	180	300	14	15,7	19	13,4	f_2+w/2	6	29	224068	220001
RAK224.3000.06.IK	300	1000	14	15,7	16,7	13,4	f_2+w/2	6	29	224068	220001

* Schneidplattenbreite beachten
* Please note insert width

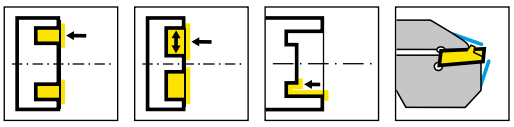
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

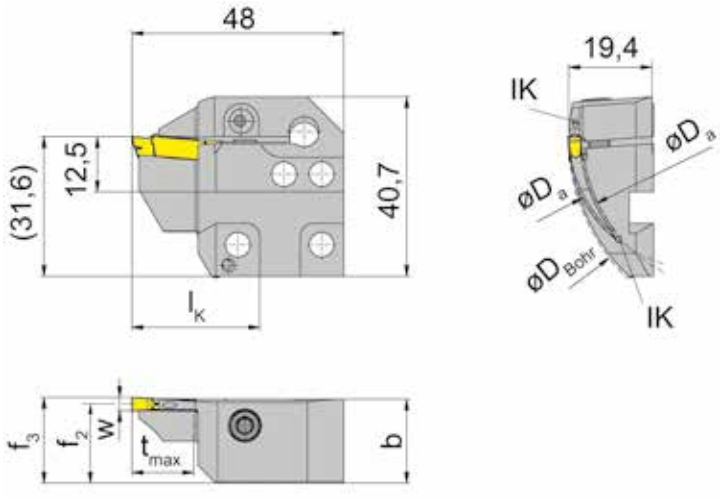
Ersatzteile
Spare Parts

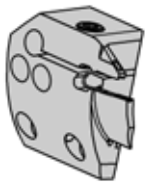
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
RAK224...	**5.13T20P**	**T20PQ**

Kassette
Cassette

LIK224







L = Linksausführung
L = left hand version

Bestellnummer 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

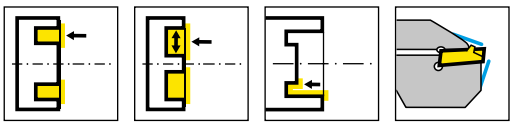
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

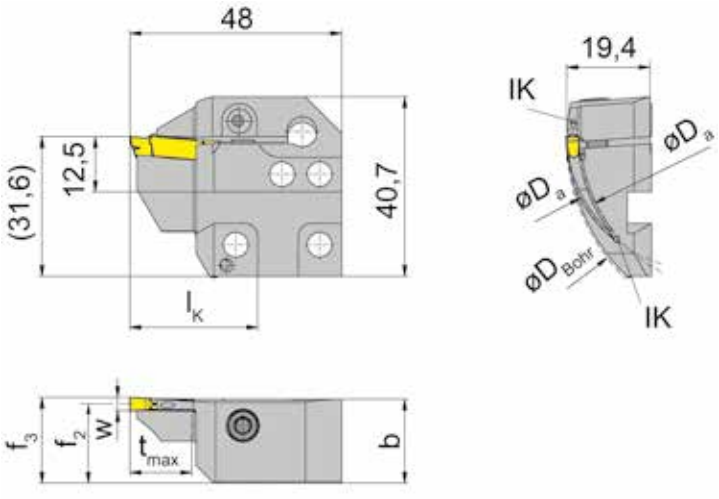
Ersatzteile
Spare Parts

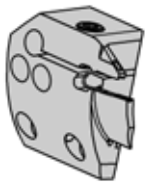
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
LIK224...	**5.13T20P**	**T20PQ**

Kassette
Cassette

LIK224







L = Linksausführung
L = left hand version

Bestellnummer Part number	D_{Bohr}	$D_{a\ min}$	$D_{a\ max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
LIK224.3847.05.IK	90	38	47	14	19	16,9	f_2+w/2	5	29	224058	220002
LIK224.4760.05.IK	90	47	60	14	19	17,4	f_2+w/2	5	29	224058	220002
LIK224.6075.05.IK	90	60	75	14	19	16,9	f_2+w/2	5	29	224058	220002
LIK224.7590.05.IK	90	75	90	14	19	16,9	f_2+w/2	5	29	224058	220002
LIK224.9013.05.IK	90	90	130	14	19	16,9	f_2+w/2	5	29	224058	220002
LIK224.1318.05.IK	130	130	180	14	19	16,9	f_2+w/2	5	29	224058	220002
LIK224.1830.05.IK	180	180	300	14	19	16,9	f_2+w/2	5	29	224058	220002
LIK224.3000.05.IK	300	300	1000	14	18,9	16,9	f_2+w/2	5	29	224058	220002
LIK224.6075.06.IK	90	60	75	14	19	16,4	f_2+w/2	6	29	224068	220002
LIK224.7590.06.IK	90	75	90	14	19	16,4	f_2+w/2	6	29	224068	220002
LIK224.9013.06.IK	90	90	130	14	19	16,4	f_2+w/2	6	29	224068	220002
LIK224.1318.06.IK	130	130	180	14	19	16,4	f_2+w/2	6	29	224068	220002
LIK224.1830.06.IK	180	180	300	14	19	16,4	f_2+w/2	6	29	224068	220002
LIK224.3000.06.IK	300	300	1000	14	18,75	16,4	f_2+w/2	6	29	224068	220002

* Schneidplattenbreite beachten
* Please note insert width

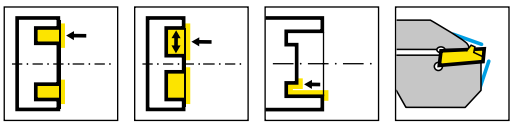
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

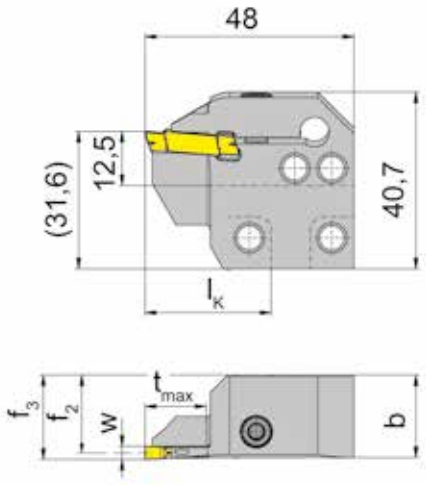
Ersatzteile
Spare Parts

Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
LIK224...	**5.13T20P**	**T20PQ**

Kassette
Cassette

RIK224







R = Rechtsausführung
R = right hand version

Bestellnummer Part number	D_{Bohr}	$D_{a\ min}$	$D_{a\ max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
RIK224.5060.03.IK	90	50	60	14	19	17,9	f_2+w/2	3	29	224038	220001
RIK224.6075.03.IK	90	60	75	14	19	17,9	f_2+w/2	3	29	224038	220001
RIK224.7590.03.IK	90	75	90	14	19	17,9	f_2+w/2	3	29	224038	220001
RIK224.9011.03.IK	90	90	110	14	19	17,9	f_2+w/2	3	29	224038	220001
RIK224.1113.03.IK	110	110	130	14	19	17,9	f_2+w/2	3	29	224038	220001
RIK224.1318.03.IK	130	130	180	14	19,05	17,9	f_2+w/2	3	29	224038	220001
RIK224.1830.03.IK	180	180	300	14	19	17,9	f_2+w/2	3	29	224038	220001
RIK224.3000.03.IK	300	300	1000	14	19,1	17,4	f_2+w/2	3	29	224038	220001
RIK224.3847.04.IK	90	38	47	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.4760.04.IK	90	47	60	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.6075.04.IK	90	60	75	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.7590.04.IK	90	75	90	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.9013.04.IK	90	90	130	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.1318.04.IK	130	130	180	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.1830.04.IK	180	180	300	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.3000.04.IK	300	300	1000	14	19	17,4	f_2+w/2	4	29	224048	220001

* Schneidplattenbreite beachten
* Please note insert width

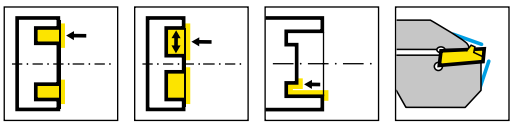
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

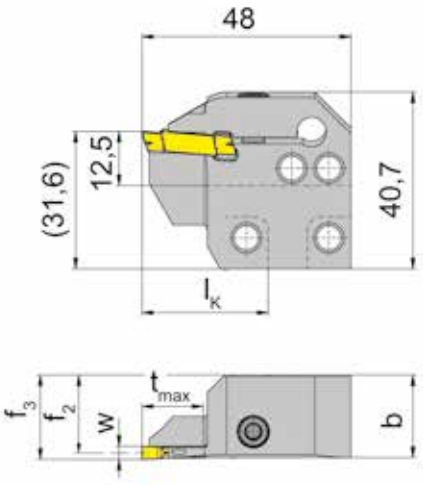
Ersatzteile
Spare Parts

Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
RIK224...	**5.13T20P**	**T20PQ**

Kassette
Cassette

RIK224







R = Rechtsausführung
R = right hand version

Bestellnummer Part number	D_{Bohr}	$D_{a\ min}$	$D_{a\ max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
RIK224.3847.05.IK	90	38	47	14	19	16,9	f_2+w/2	5	29	224058	220001
RIK224.4760.05.IK	90	47	60	14	19	17,4	f_2+w/2	5	29	224058	220001
RIK224.6075.05.IK	90	60	75	14	19	16,9	f_2+w/2	5	29	224058	220001
RIK224.7590.05.IK	90	75	90	14	19	16,9	f_2+w/2	5	29	224058	220001
RIK224.9013.05.IK	90	90	130	14	19	16,9	f_2+w/2	5	29	224058	220001
RIK224.1318.05.IK	130	130	180	14	19	16,9	f_2+w/2	5	29	224058	220001
RIK224.1830.05.IK	180	180	300	14	19	16,9	f_2+w/2	5	29	224058	220001
RIK224.3000.05.IK	300	300	1000	14	18,9	16,9	f_2+w/2	5	29	224058	220001
RIK224.6075.06.IK	90	60	75	14	19	16,4	f_2+w/2	6	29	224068	220001
RIK224.7590.06.IK	90	75	90	14	19	16,4	f_2+w/2	6	29	224068	220001
RIK224.9013.06.IK	90	90	130	14	19	16,4	f_2+w/2	6	29	224068	220001
RIK224.1318.06.IK	130	130	180	14	19	16,4	f_2+w/2	6	29	224068	220001
RIK224.1830.06.IK	180	180	300	14	19	16,4	f_2+w/2	6	29	224068	220001
RIK224.3000.06.IK	300	300	1000	14	18,75	16,4	f_2+w/2	6	29	224068	220001

* Schneidplattenbreite beachten
* Please note insert width

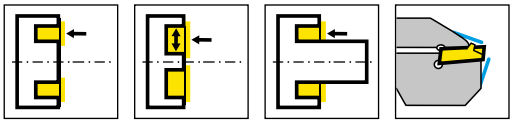
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

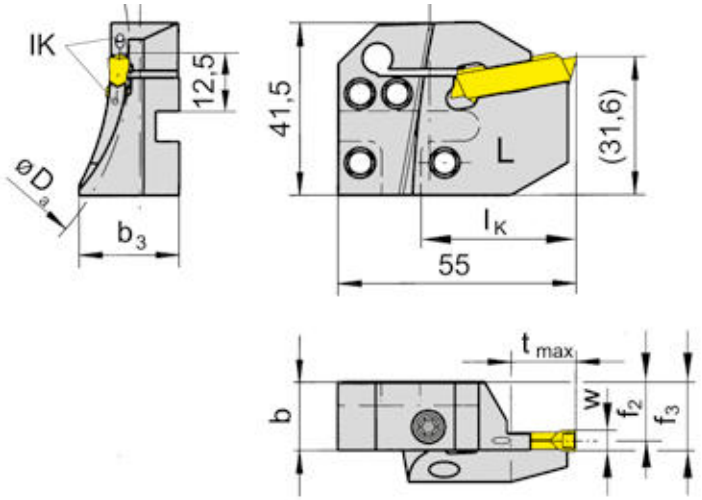
Ersatzteile
Spare Parts

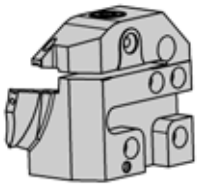
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
RIK224...	**5.13T20P**	**T20PQ**

Kassette
Cassette

LAK220







L = Linksausführung
L = left hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	L_K	HWS*	HMS
LAK220.6575.04.IK	65	75	10	15,7	23	14,4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.7595.04.IK	75	95	15	15,7	23	14,4	f_2+w/2	4	36	229040	220002
LAK220.9513.04.IK	95	130	25	15,7	21,2	14,4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.1318.04.IK	130	180	25	15,7	21,2	14,4	f_2+w/2	4	36	229040	220002
LAK220.1830.04.IK	180	300	25	15,7	21,2	14,4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.3000.04.IK	300	1000	25	15,7	16,8	14,4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.6075.05.IK	60	75	10	15,7	23	13,9	f_2+w/2	5	36	229050 • 229051	220002
LAK220.7595.05.IK	75	95	17	15,7	23	13,9	f_2+w/2	5	36	229040	220002
LAK220.9513.05.IK	95	130	25	15,7	23	13,9	f_2+w/2	5	36	229040	220002
LAK220.1318.05.IK	130	180	25	15,7	21,2	13,9	f_2+w/2	5	36	229040	220002
LAK220.1830.05.IK	180	300	25	15,7	19	13,9	f_2+w/2	5	36	229040	220002
LAK220.3000.05.IK	300	1000	25	15,7	16,8	13,9	f_2+w/2	5	36	229040	220002
LAK220.6075.06.IK	60	75	10	15,7	23	13,4	f_2+w/2	6	36	229040	220002
LAK220.7595.06.IK	75	95	17	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220002
LAK220.9513.06.IK	95	130	25	15,7	23	13,4	f_2+w/2	6	36	229040	220002
LAK220.1318.06.IK	130	180	25	15,7	21,2	13,4	f_2+w/2	6	36	229040	220002
LAK220.1830.06.IK	180	300	25	15,7	19	13,4	f_2+w/2	6	36	229040	220002
LAK220.3000.06.IK	300	1000	25	15,7	16,8	13,4	f_2+w/2	6	36	229040	220002

* Schneidplattenbreite beachten
* Please note insert width

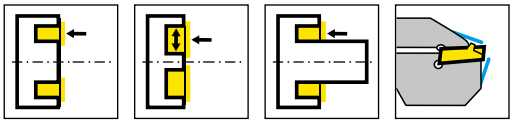
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

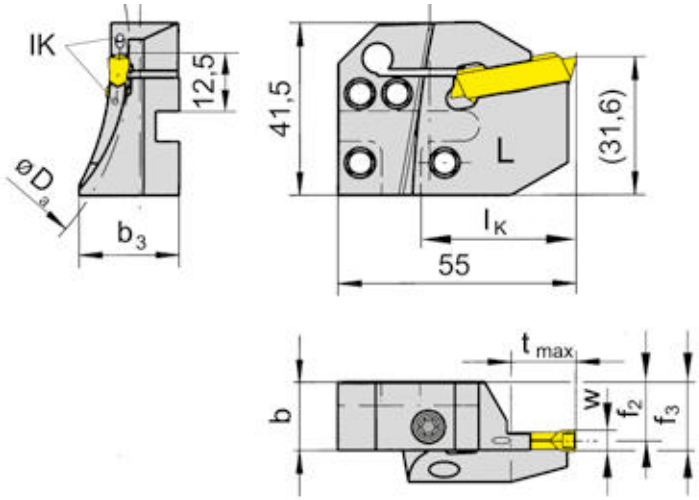
Ersatzteile
Spare Parts

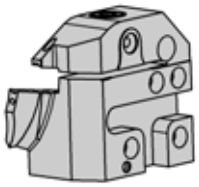
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
LAK220...	**6.23T25P**	**T25PQ**

Kassette
Cassette

LAK220







L = Linksausführung
L = left hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	L_K	HWS*	HMS
LAK220.6575.14.IK	65	75	10	15,7	23	14,4	f_2+w/2	4	36	229040	220002
LAK220.7595.14.IK	75	95	15	15,7	23	14,4	f_2+w/2	4	36	229040	220002
LAK220.9513.14.IK	95	130	15	15,7	21,2	14,4	f_2+w/2	4	36	229040	220002
LAK220.1318.14.IK	130	180	15	15,7	21,2	14,4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.1830.14.IK	180	300	15	15,7	19	14,4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.6075.15.IK	60	75	10	15,7	23	13,9	f_2+w/2	5	36	229050 • 229051	220002
LAK220.7595.15.IK	75	95	15	15,7	23	13,9	f_2+w/2	5	36	229040	220002
LAK220.9513.15.IK	95	130	15	15,7	23	13,9	f_2+w/2	5	36	229040	220002
LAK220.1318.15.IK	130	180	15	15,7	21,2	13,9	f_2+w/2	5	36	229040	220002
LAK220.1830.15.IK	180	300	15	15,7	19	13,9	f_2+w/2	5	36	229040	220002
LAK220.6075.16.IK	60	75	10	15,7	23	13,4	f_2+w/2	6	36	229040	220002
LAK220.7595.16.IK	75	95	15	15,7	23	13,4	f_2+w/2	6	36	229040	220002
LAK220.9513.16.IK	95	130	15	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220002
LAK220.1830.16.IK	180	300	15	15,7	19	13,4	f_2+w/2	6	36	229040	220002
LAK220.1318.16.IK	130	180	15	15,7	21,2	13,4	f_2+w/2	6	36	229040	220002

* Schneidplattenbreite beachten
* Please note insert width

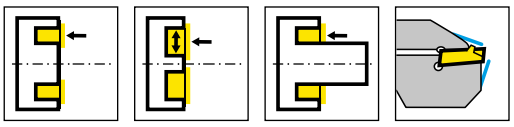
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

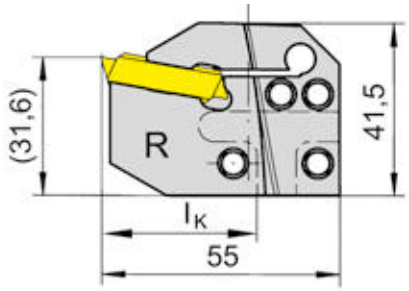
Ersatzteile
Spare Parts

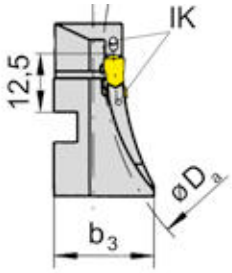
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
LAK220...	**6.23T25P**	**T25PQ**

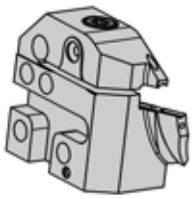
Kassette
Cassette

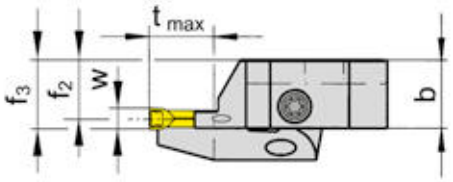
RAK220











R = Rechtsausführung
R = right hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
RAK220.1318.04.IK	130	180	25	15,7	21,2	14,4	f_2+w/2	4	36	229040	220001
RAK220.1318.05.IK	130	180	25	15,7	21,2	13,9	f_2+w/2	5	36	229040	220001
RAK220.1318.06.IK	130	180	25	15,7	21,2	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.1830.04.IK	180	300	25	15,7	19	14,4	f_2+w/2	4	36	229040	220001
RAK220.1830.05.IK	180	300	25	15,7	19	13,9	f_2+w/2	5	36	229040	220001
RAK220.1830.06.IK	180	300	25	15,7	19	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.3000.04.IK	300	1000	25	15,7	16,8	14,4	f_2+w/2	4	36	229040	220001
RAK220.3000.05.IK	300	1000	25	15,7	16,8	13,9	f_2+w/2	5	36	229040	220001
RAK220.3000.06.IK	300	1000	25	15,7	16,8	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.6075.05.IK	60	75	10	15,7	23	13,9	f_2+w/2	5	36	229040	220001
RAK220.6075.06.IK	60	75	10	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.6575.04.IK	65	75	10	15,7	23	14,4	f_2+w/2	4	36	229040	220001
RAK220.7595.04.IK	75	95	15	15,7	23	14,4	f_2+w/2	4	36	229040	220001
RAK220.7595.05.IK	75	95	15	15,7	23	13,9	f_2+w/2	5	36	229040	220001
RAK220.7595.06.IK	75	95	17	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.9513.04.IK	95	130	25	15,7	21,2	14,4	f_2+w/2	4	36	229040	220001
RAK220.9513.05.IK	95	130	25	15,7	23	13,9	f_2+w/2	5	36	229040	220001
RAK220.9513.06.IK	95	130	25	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220001

* Schneidplattenbreite beachten
* Please note insert width

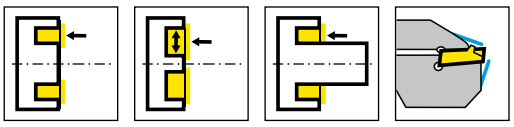
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

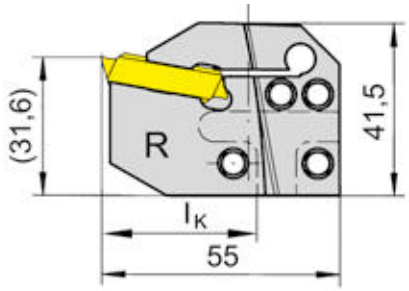
Ersatzteile
Spare Parts

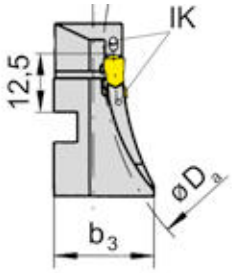
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
RAK220...	**6.23T25P**	**T25PQ**

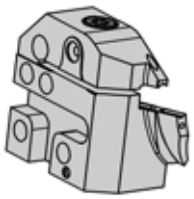
Kassette
Cassette

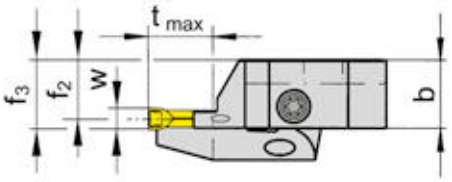
RAK220











R = Rechtsausführung
R = right hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS*	HMS
RAK220.6575.14.IK	65	75	10	15,7	23	14,4	f_2+w/2	4	36	229040	220001
RAK220.7595.14.IK	75	95	15	15,7	23	14,4	f_2+w/2	4	36	229040	220001
RAK220.9513.14.IK	95	130	15	15,7	21,2	14,4	f_2+w/2	4	36	229040	220001
RAK220.1318.14.IK	130	180	15	15,7	21,2	14,4	f_2+w/2	4	36	229040	220001
RAK220.1830.14.IK	180	300	15	15,7	19	14,4	f_2+w/2	4	36	229040	220001
RAK220.6075.15.IK	60	75	10	15,7	23	13,4	f_2+w/2	5	36	229040	220001
RAK220.7595.15.IK	75	95	15	15,7	23	13,9	f_2+w/2	5	36	229040	220001
RAK220.9513.15.IK	95	130	15	15,7	23	13,9	f_2+w/2	5	36	229040	220001
RAK220.1318.15.IK	130	180	15	15,7	21,2	13,9	f_2+w/2	5	36	229040	220001
RAK220.1830.15.IK	180	300	15	15,7	19	13,9	f_2+w/2	5	36	229040	220001
RAK220.6075.16.IK	60	75	10	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.7595.16.IK	75	95	15	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.9513.16.IK	95	130	15	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.1318.16.IK	130	180	15	15,7	21,2	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.1830.16.IK	180	300	15	15,7	19	13,4	f_2+w/2	6	36	229050 • 229051	220001

* Schneidplattenbreite beachten
* Please note insert width

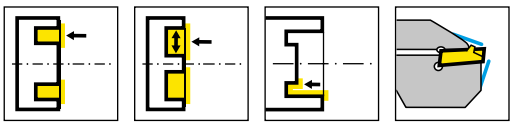
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

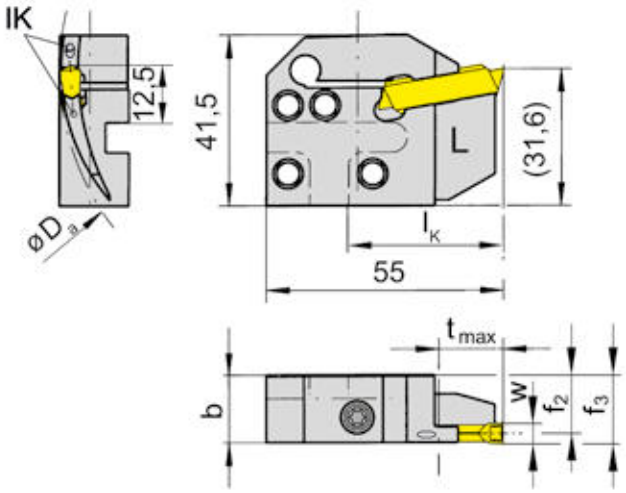
Ersatzteile
Spare Parts

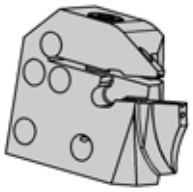
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
RAK220...	**6.23T25P**	**T25PQ**

Kassette
Cassette

LIK220







L = Linksausführung
L = left hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
LIK220.6575.04.IK	65	75	10-15	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.7595.04.IK	75	95	15-25	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.9513.04.IK	95	130	25	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.1318.04.IK	130	180	25	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.1830.04.IK	180	300	25	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.3000.04.IK	300	1000	25	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.6075.05.IK	60	75	10	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.7595.05.IK	75	95	17	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.9513.05.IK	95	130	25	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.1318.05.IK	130	180	25	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.1830.05.IK	180	300	25	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.3000.05.IK	300	1000	25	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.6075.06.IK	60	75	10-17	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.7595.06.IK	75	95	17-25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.9513.06.IK	95	130	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.1318.06.IK	130	180	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.1830.06.IK	180	300	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.3000.06.IK	300	1000	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002

* Schneidplattenbreite beachten
* Please note insert width

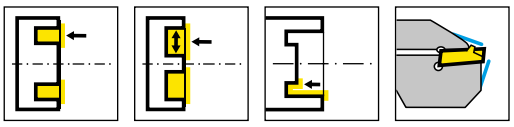
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

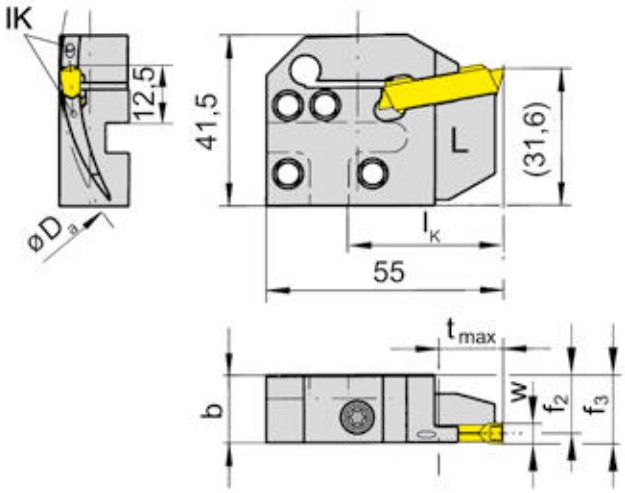
Ersatzteile
Spare Parts

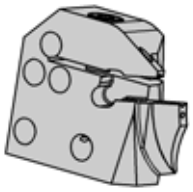
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
LIK220...	**6.23T25P**	**T25PQ**

Kassette
Cassette

LIK220







L = Linksausführung
L = left hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
LIK220.6575.14.IK	65	75	10	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.7595.14.IK	75	95	15	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.9513.14.IK	95	130	15	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.1830.14.IK	180	300	15	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.6075.15.IK	60	75	10	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.9513.15.IK	95	130	15	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.1318.15.IK	130	180	15	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.1830.15.IK	180	300	15	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.6075.16.IK	130	180	10	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.7595.16.IK	75	95	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.9513.16.IK	95	130	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.1318.16.IK	130	180	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.1830.16.IK	180	300	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002

* Schneidplattenbreite beachten
* Please note insert width

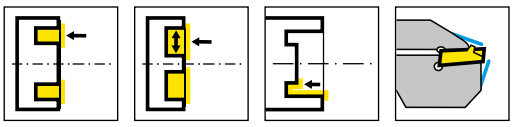
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

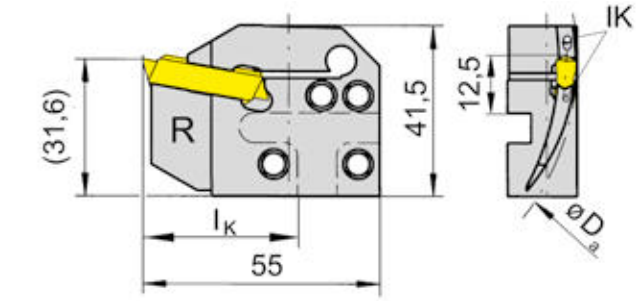
Ersatzteile
Spare Parts

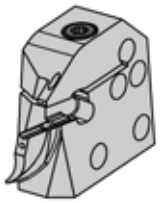
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
LIK220...	**6.23T25P**	**T25PQ**

Kassette
Cassette

RIK220







R = Rechtsausführung
R = right hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
RIK220.6575.04.IK	65	75	10-15	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.7595.04.IK	75	95	15-25	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.9513.04.IK	95	130	25	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.1318.04.IK	130	180	25	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.1830.04.IK	180	300	25	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.3000.04.IK	300	1000	25	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.6075.05.IK	60	75	10	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.7595.05.IK	75	95	17	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.9513.05.IK	95	130	25	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.1318.05.IK	130	180	25	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.1830.05.IK	180	300	25	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.3000.05.IK	300	1000	25	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.6075.06.IK	60	75	10-17	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.7595.06.IK	75	95	17-25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.9513.06.IK	95	130	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.1318.06.IK	130	180	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.1830.06.IK	180	300	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.3000.06.IK	300	1000	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001

* Schneidplattenbreite beachten
* Please note insert width

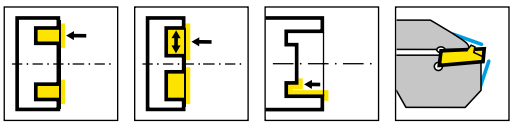
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

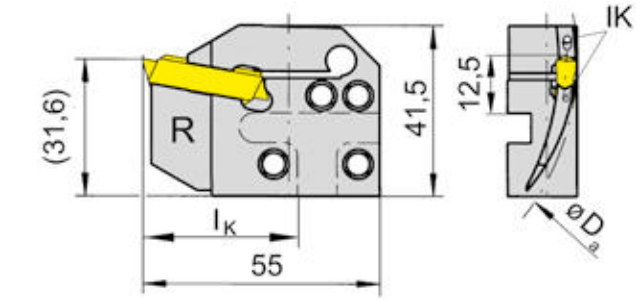
Ersatzteile
Spare Parts

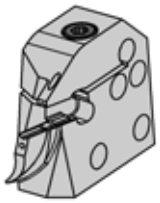
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
RIK220...	**6.23T25P**	**T25PQ**

Kassette
Cassette

RIK220







R = Rechtsausführung
R = right hand version

Bestellnummer Part number	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS*	HMS
RIK220.6575.14.IK	65	75	10	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.7595.14.IK	75	95	15	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.9513.14.IK	95	130	15	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.1318.14.IK	130	180	15	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.1830.14.IK	180	300	15	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.6075.15.IK	60	75	10	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.7595.15.IK	75	95	15	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.9513.15.IK	95	130	15	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.1318.15.IK	130	180	15	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.1830.15.IK	180	300	15	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.6075.16.IK	60	75	10	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.7595.16.IK	75	95	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.9513.16.IK	95	130	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.1318.16.IK	130	180	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.1830.16.IK	180	300	15	15,7	13,4	f_2+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 seperate order required.

Ersatzteile
Spare Parts

Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
RIK220...	**6.23T25P**	**T25PQ**

840



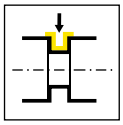
HORN HSKT40 nach ISO 12164-3

- Grundhalter
- Kassetten

HORN HSKT40 according to ISO 12164-3

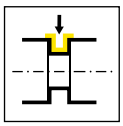
- Basic toolholder
- Cassettes

Grundhalter
Basic toolholder
HSKT40

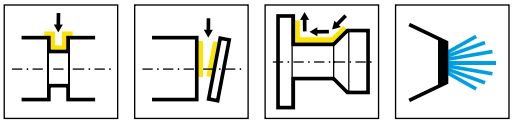


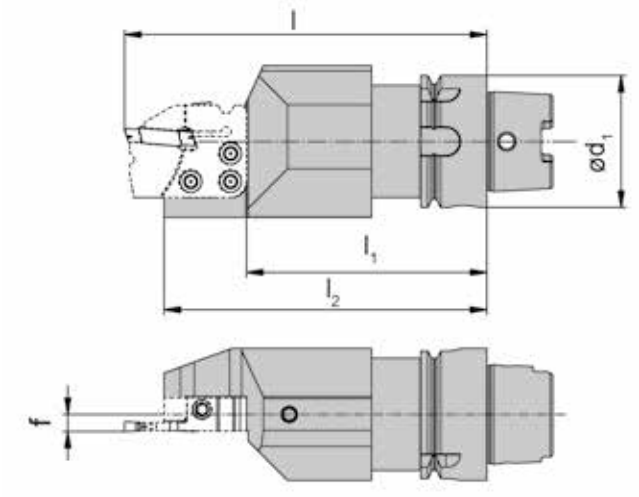
Seite/Page
101

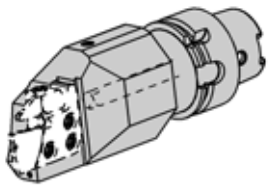
Kassette
Cassette
NK100/NK224/NK264/
NK274/NK356
NK360/NK368



Seite/Page
102-108







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	d_1	l	l_2	l_1	D_{min}	HWS
HSKT40.L840.110.K1.IK	40	l_1+l_K	110	73	47	840002 • 840002
HSKT40.R840.110.K1.IK	40	l_1+l_K	110	73	47	840001

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

Maß „lK" entspricht „l" bei Kassetten
Dimension „lK"corresponds to „l" for cassettes

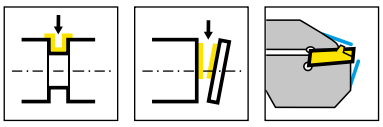
zum Einsatz auf Multi-Tasking Maschinen
for using on multi-tasking machines

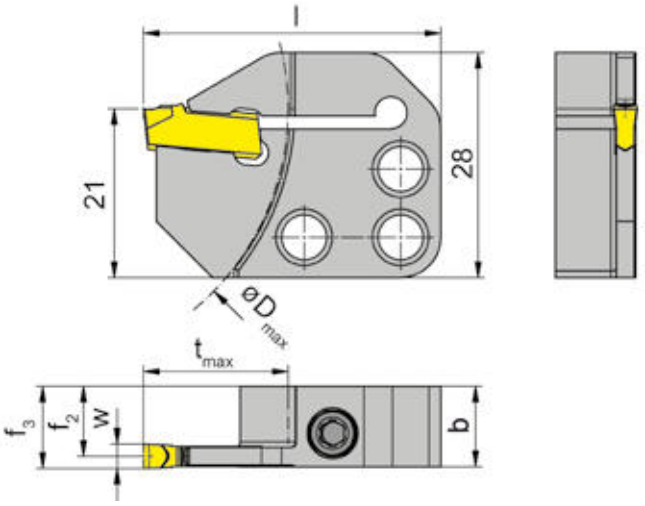
Ersatzteile
Spare Parts

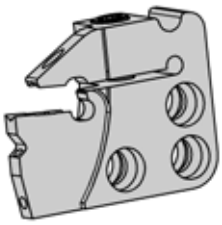
Grundhalter Basic toolholder	**Kugelspritzdüse** Coolant spray nozzle	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSKT40...	**020.0806.3116**	**5.18T20P**	**T20PQ**

Kassette
Cassette

NK100







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	t_{max}	b	f_2	f_3	D_{max}	l	HWS	HMS
RNK100.0840.1.4.03.IK	18	10	8,7	f_2+ w/2	65	37	100038	840001
RNK100.0840.1.4.04.IK	18	10	8,2	f_2+ w/2	65	37	100048	840001
RNK100.0840.3.4.02.IK	25	10	9	f_2+ w/2	65	44	100028	840001
RNK100.0840.3.4.03.IK	25	10	8,7	f_2+ w/2	65	44	100038	840001
RNK100.0840.1.01	18	10	9,2	f_2+ w/2	65	37	100018	840001
RNK100.0840.1.02	18	10	9	f_2+ w/2	65	37	100028	840001
RNK100.0840.1.03	18	10	8,7	f_2+ w/2	65	37	100038	840001
RNK100.0840.1.04	18	10	8,2	f_2+ w/2	65	37	100048	840001
RNK100.0840.1.05	18	10	7,7	f_2+ w/2	65	37	100048	840001
RNK100.0840.3.02	25	10	9	f_2+ w/2	65	44	100028	840001
RNK100.0840.3.03	25	10	8,7	f_2+ w/2	65	44	100038	840001
LNK100.0840.1.4.03.IK	18	10	8,7	f_2+ w/2	65	37	100038	840002
LNK100.0840.1.4.04.IK	18	10	8,2	f_2+ w/2	65	37	100048	840002
LNK100.0840.3.4.02.IK	25	10	9	f_2+ w/2	65	44	100028	840002
LNK100.0840.1.01	18	10	9,2	f_2+ w/2	65	37	100018	840002
LNK100.0840.1.02	18	10	9	f_2+ w/2	65	37	100028	840002
LNK100.0840.1.03	18	10	8,7	f_2+ w/2	65	37	100038	840002
LNK100.0840.1.04	18	10	8,2	f_2+ w/2	65	37	100048	840002
LNK100.0840.1.05	18	10	7,7	f_2+ w/2	65	37	100048	840002
LNK100.0840.3.02	25	10	9	f_2+ w/2	65	44	100028	840002
LNK100.0840.3.03	25	10	8,7	f_2+ 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.

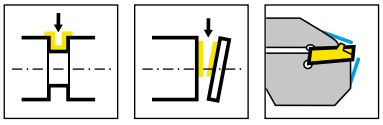
Ersatzteile
Spare Parts

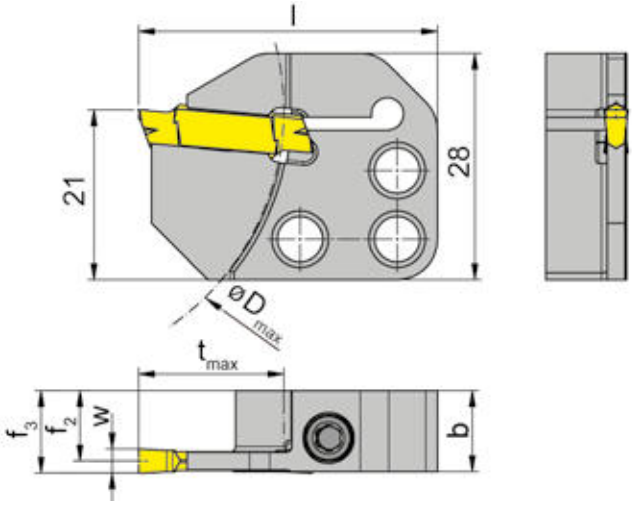
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK100.0840...	**4.20T15P**	**T15PQ**
RNK100.0840.1.03	**4.15T15P**	**T15PQ**

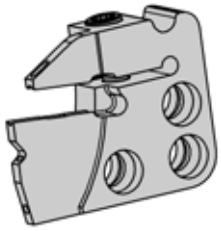
Kassette
Cassette

NK224

B







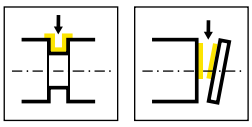
Bestellnummer Part number	t_{max}	b	f_2	f_3	D_{max}	l	HWS	HMS
RNK224.0840.1.4.02.IK	18	10	8,95	f_2+w/2	65	37	224028	840001
RNK224.0840.1.4.03.IK	18	10	8,7	f_2+w/2	65	37	224038	840001
RNK224.0840.1.4.04.IK	18	10	8,2	f_2+w/2	65	37	224048	840001
RNK224.0840.1.01	18	10	9,2	f_2+w/2	65	37	224018	840001
RNK224.0840.1.02	18	10	8,95	f_2+w/2	65	37	224028	840001
RNK224.0840.1.03	18	10	8,7	f_2+w/2	65	37	224038	840001
RNK224.0840.1.04	18	10	8,2	f_2+w/2	65	37	224048	840001
RNK224.0840.1.05	18	10	7,7	f_2+w/2	65	37	224058	840001
RNK224.0840.1.06	18	10	7,2	f_2+w/2	65	37	224068	840001
LNK224.0840.1.4.02.IK	18	10	8,95	f_2+w/2	65	37	224028	840002
LNK224.0840.1.4.03.IK	18	10	8,7	f_2+w/2	65	37	224038	840002
LNK224.0840.1.4.04.IK	18	10	8,2	f_2+w/2	65	37	224048	840002
LNK224.0840.1.01	18	10	9,2	f_2+w/2	65	37	224018	840002
LNK224.0840.1.02	18	10	8,95	f_2+w/2	65	37	224028	840002
LNK224.0840.1.03	18	10	8,7	f_2+w/2	65	37	224038	840002
LNK224.0840.1.05	18	10	7,7	f_2+w/2	65	37	224058	840002
LNK224.0840.1.06	18	10	7,2	f_2+w/2	65	37	224068	840002

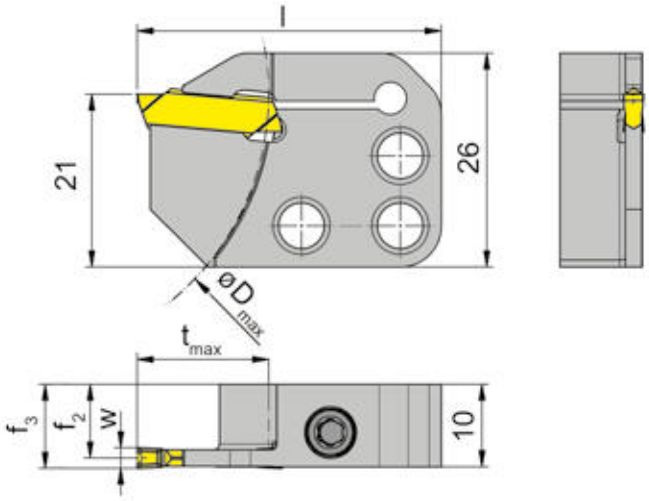
Ersatzteile
Spare Parts

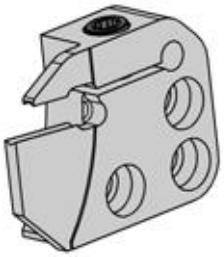
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK224...	**4.20T15P**	**T15PQ**

Kassette
Cassette

NK264







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

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

w siehe WSP
w see indexable inserts

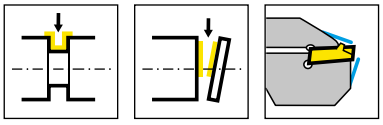
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

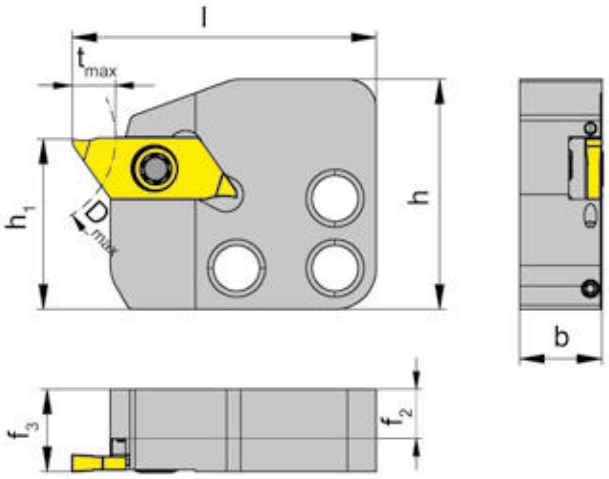
Ersatzteile
Spare Parts

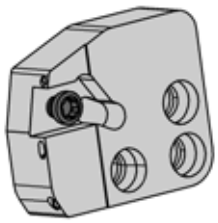
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK264...	**4.20T15P**	**T15PQ**

Kassette
Cassette

NK274







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	t_{max}	b	f_3	f_2	D_{max}	l	h	h_1	HWS	HMS
RNK274.0840.1.4.04.IK	6	10	f_2+w	6	25	37	28	20,7	274040R	840001 • 840002
RNK274.0840.1.04	6	10	f_2+w	6	25	37	21	21	274040R	840001 • 840002
LNK274.0840.1.04	6	10	f_2+w	6	25	37	21	21	274040L	840002 • 840001

w siehe WSP
w see indexable inserts

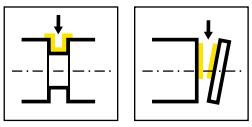
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

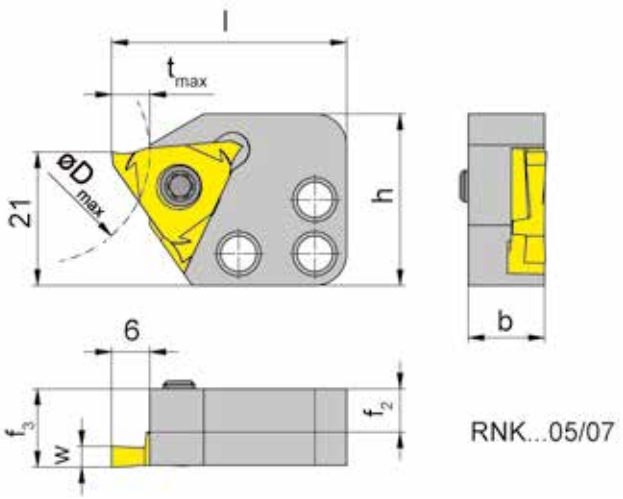
Ersatzteile
Spare Parts

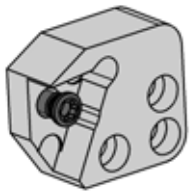
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
RNK274...	**030.3509.T15P**	**T15PQ**

Kassette
Cassette

NK356







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

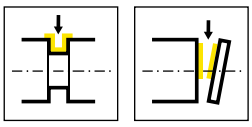
Bestellnummer Part number	t_{max}	b	f_3	f_2	D_{max}	h	l	HWS	HMS
RNK356.0840.1.05	5	12	f_2+w	6,8	-	27	37	31505L	840001
RNK356.0840.1.07	5	13	f_2+w	6	-	27	37	31507L	840001
RNK356.0840.1.16	5	12	f_2+w	6	35	23,4	37	31506L	840001
LNK356.0840.1.05	5	12	f_2+w	6,8	-	27	37	31505R	840002
LNK356.0840.1.07	5	13	f_2+w	6	-	27	37	31507R	840002
LNK356.0840.1.16	5	12	f_2+w	6	35	23,4	37	31506R	840002

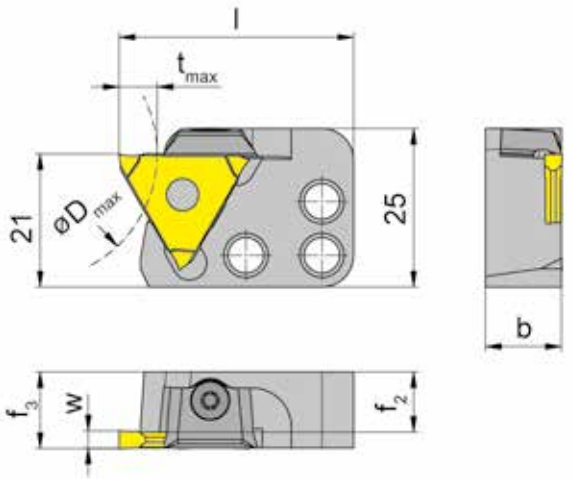
w siehe WSP
w see indexable inserts

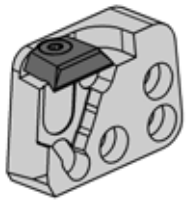
Befestigungsschrauben der Kassetten gehören zum Lieferumfang des Grundhalters.
The fastening screw is combined with the basic toolholder - no seperate order required.

Ersatzteile
Spare Parts

Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK356...	**5.12T20P**	**T20PQ**







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	t_{max}	b	f_3	f_2	D_{max}	l	HWS	HMS
RNK360.0840.1.01	4	12	f_2+w-a_1	10,5	40	37	31201N • 31201R • 31201L • 31208N • 31211N	840001
RNK360.0840.1.02	6	12	f_2+w-a_1	9,5	40	37	31202N • 31202R • 31202L	840001
LNK360.0840.1.02	6	12	f_2+w-a_1	9,5	40	37	31202N • 31202R • 31202L	840002
LNK360.0840.1.04	6	16	f_2+w-a_1	10,8	40	37	31204N • 31204R • 31204L	840002

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 seperate order required.

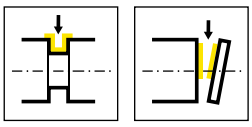
Ersatzteile
Spare Parts

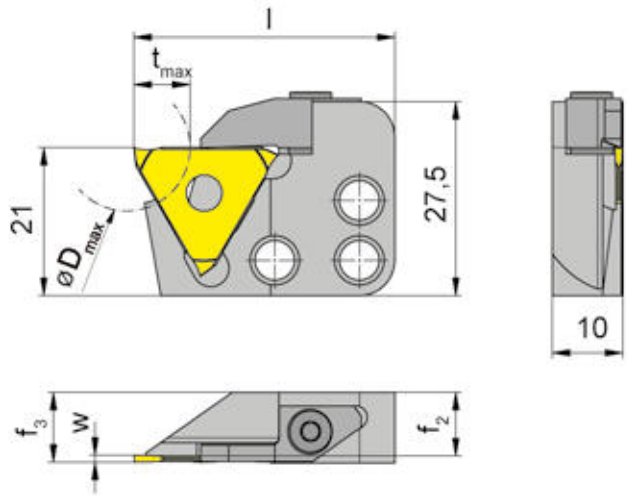
Kassette Cassette	**Spannelement** Clamping element	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK360.0840...	**12.3**	**T10PL**
LNK360.0840.1.04	**14.4**	**T15PQ**

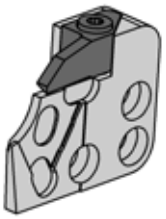
Kassette
Cassette

NK368

B







R = rechts wie gezeichnet
R = right hand version shown

L = Linksausführung
L = left hand version

Bestellnummer Part number	t_{max}	f_3	f_2	D_{max}	l	HWS	HMS
RNK368.0840.1.08	8	f_2+w	9	18	37	31208N	840001
RNK368.0840.1.11	8	f_2+w	8,7	18	37	31211N	840001
LNK368.0840.1.08	8	f_2+w	9	18	37	31208N	840002
LNK368.0840.1.11	8	f_2+w	8,7	18	37	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 seperate order required.

Ersatzteile
Spare Parts

Kassette Cassette	**Spannelement** Clamping element	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
LNK368.0840.1...	**010.0312.0482**	**T10PL**
RNK368.0840.1...	**010.0004.0427**	**T10PL**

C

960



Modulares Stechsystem mit Innenkühlung

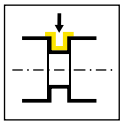
- Grundhalter
- Stechhaltestücke

Modular grooving system with internal cooling

- Basic Toolholder
- Grooving Toolholder

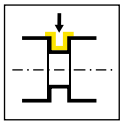
C

Grundhalter
Basic toolholder
960.BMT/960.MAZ/960.
VDI/960.HSKT
77/W13/W14/C3/C5
C6/C8/HSKT63/
HSKT100/HSKT40
VDI/TR/W12/W89/842
845



Seite/Page
115-116, 118-119,
123, 126, 131,
135-141, 143-144,
147-148

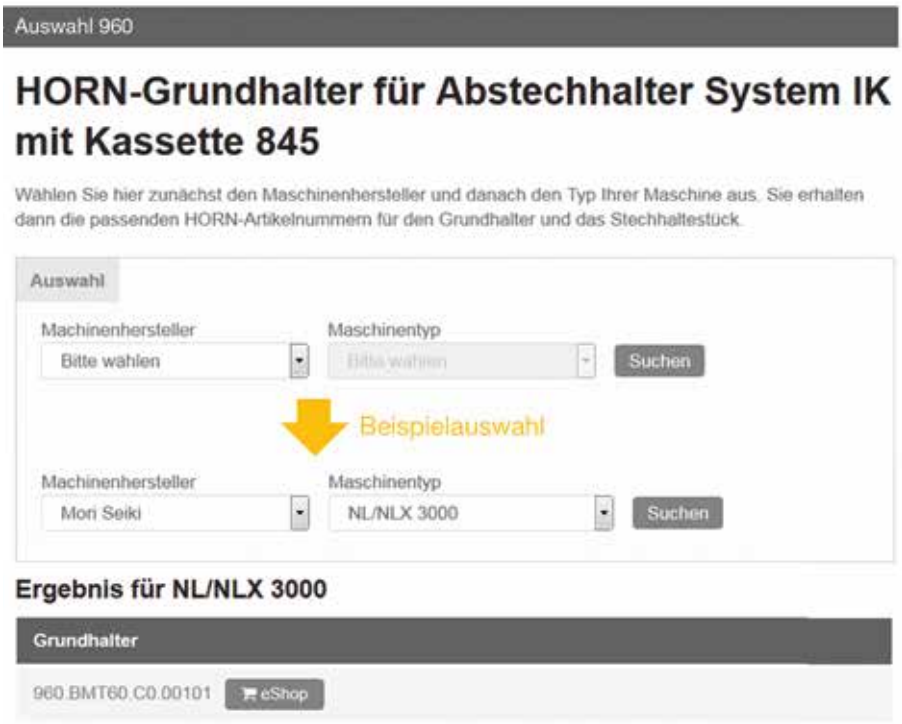
Stechhaltestück
Grooving toolholder
960/991/990/940

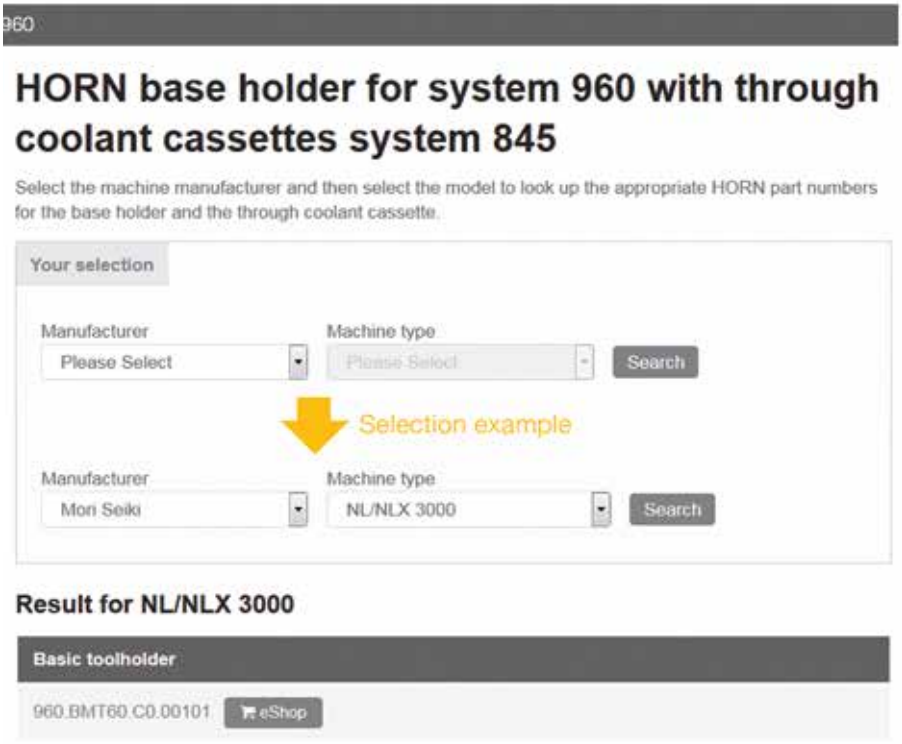


Seite/Page
120-121, 124,
127, 132, 145

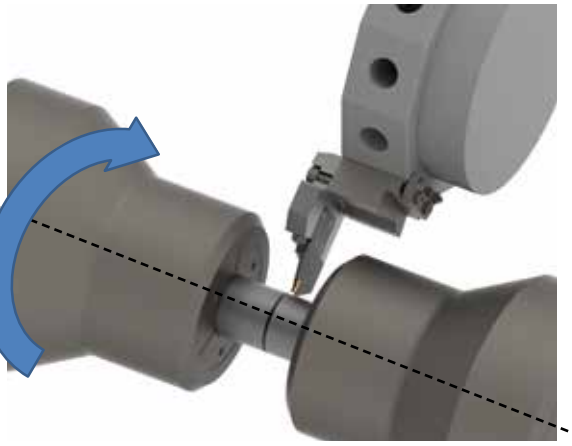
Finden Sie den richtigen Grundhalter für Ihre Maschine:
Find the right basic toolholder for your machine:

horn-group.com/produkte/grundhalter-fuer-modulares-abstechsystem-960/





Einbausituationen
Installation position



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 mainspindle 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 mainspindle in
clockwise rotation



Stechhaltestück
Grooving toolholder
960.A.0.845...

Kassette
Cassette
RNK100.0845...

Ermittlung Werkzeugdaten
Determining tool data

Grundhalter Basic toolholder	
BMT-Größe festlegen Select size BMT	BMT40
Auswahl Grundhalter Select basis toolholer	960.BMT40.C0.00101
Maß notieren Notice dimension	l_1 = 27 mm
Stechhaltestück Grooving toolholder	
Außenliegende Kassette External cassette	960.A....
Innenliegende Kassette (höhere Bauform) Internal cassette (higher construction)	960.I....
Auswahl Stechhaltestück Select grooving toolholder	960.I.0.845.0003.IK
Ermittlung der Referenzlänge, Maß notieren Determining the reference length, Notice dimension	
Zeile Grundhalter 960.BMT40.... Spalte Stechhaltestück 960.I...0003 Line basic toolholder 960.BMT40.... Column grooving toolholder 960.I...0003	l_g = 89,5 mm f = 66,8 mm
Kassette Cassette	
Vorgaben Dimensions	Stangen-Ø 65 mm, Breite 3 mm bar diameter 65 mm, width 3 mm
Auswahl Kassette Select cassette	LNK100.0845.34.4.73.IK
Maß notieren Notice dimension	l_K = 46 mm

Berechnung Gesamthöhe Halter Calculation of total hight for toolholder	**Werkzeugdaten** Tool data	
	x	z
l_g 89,5 mm + l_K 46 mm = 135,5 mm	r = 135,5 mm ø = 271,0 mm	f = 66,8 mm

Berechnung Umlaufdurchmesser Spannmittel
Calculation of swing diameter clamping device

135,5 mm - l_1 (27 mm) = 108,5 mm ergibt einen Umlaufdurchmesser von max. 217 mm
135,5 mm - l_1 (27 mm) = 108,5 mm results in a maximum circular diameter of 217 mm

C

Sternrevolver
Star turrets



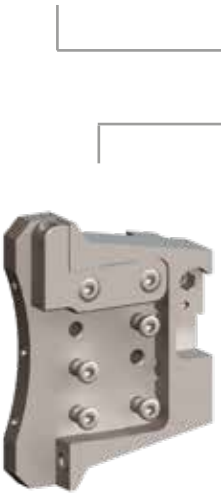
960.BMT...



960.MAZ...



960.VDI..C...



960.A...



960.I...

Scheibenrevolver
Turrets



960.VDI.30.B...
960.VDI.40.B...

960.VDI.50.B...



960.Q.0.845.0000.IK
960.Q.0.845.0001.IK



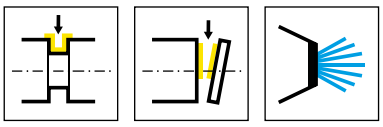
RNK100.0845...

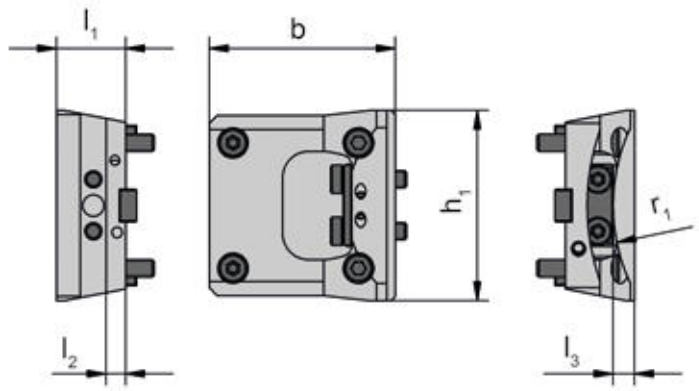


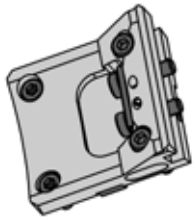
LNK100.0845..

Grundhalter
Basic toolholder

960.BMT



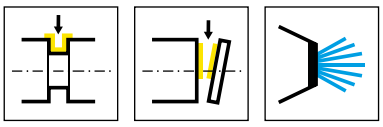


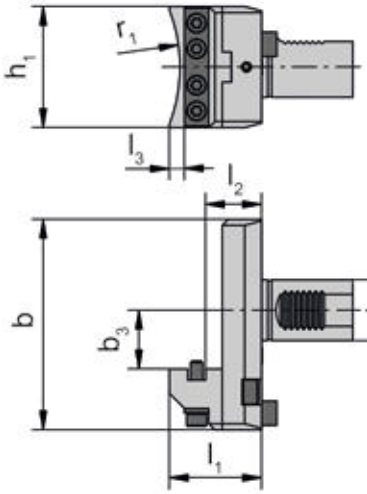


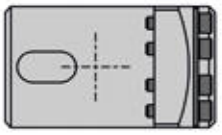
Bestellnummer Part number	l_3	l_2	h_1	b	r_1	l_1	HWS
960.BMT00.C0.00601	-	-42	95	110	-	20	FN12
960.BMT00.C0.00701	7	34	80	102	88	58	FN12
960.BMT00.C0.00901	7	57	78	139	105	81	FN12
960.BMT00.C0.01101	17,5	-38,5	114	130	51	20	FN12
960.BMT00.C0.01301	-	19	108	135	-	42	FN12
960.BMT00.C0.01601	-	-24	102	120	-	30	FN12
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

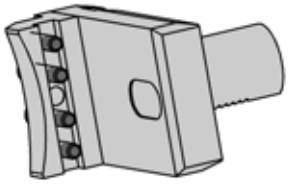
Grundhalter
Basic toolholder

960.MAZ









Bestellnummer 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

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

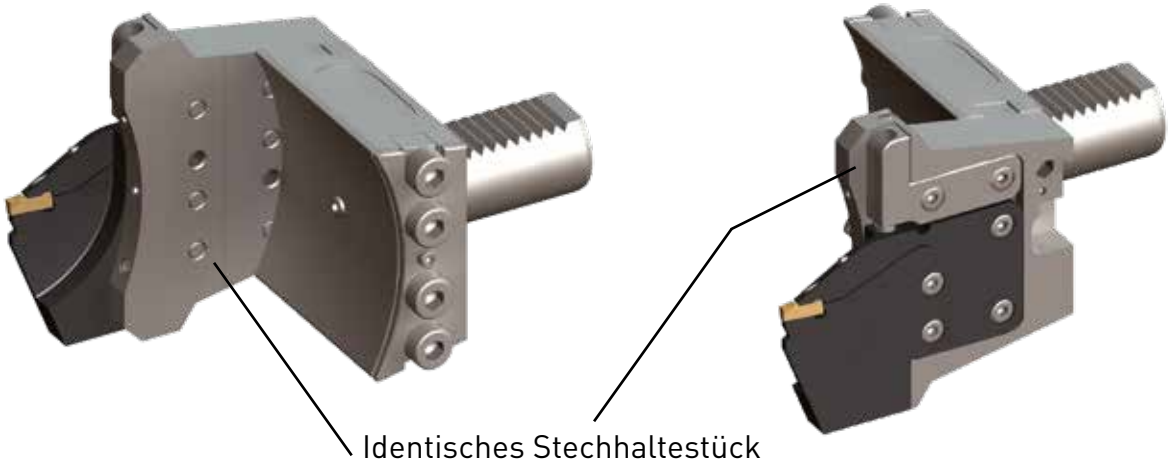


1 Grundhalter + 1 Stechhaltestück = 4 Möglichkeiten des Zusammenbaus

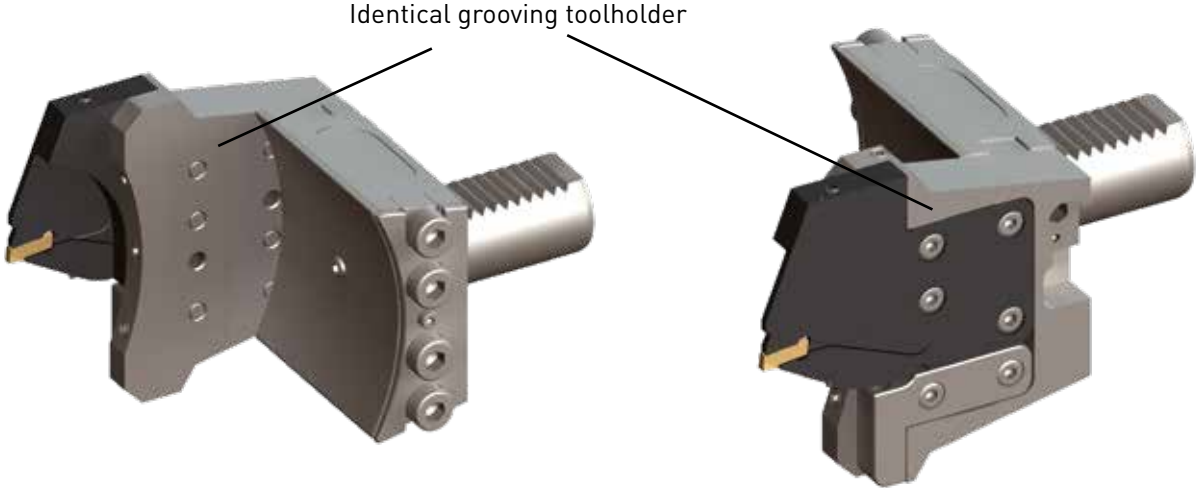
1 Basic toolholder + 1 Grooving toolholder = 4 possibilities of assembling

Links - Normallage
Left - normal position

Rechts - Normallage
Right - normal position



Identisches Stechhaltestück
Identical grooving toolholder

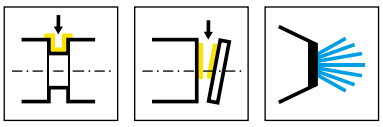


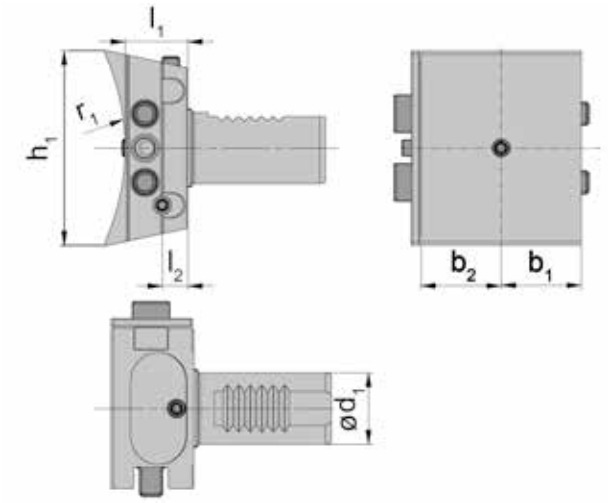
Links - Überkopf
Left - overhead postion

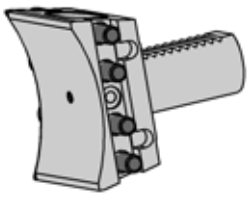
Rechts - Überkopf
Right - overhead postion

Grundhalter
Basic toolholder

960.VDI



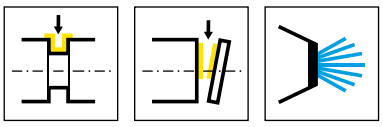


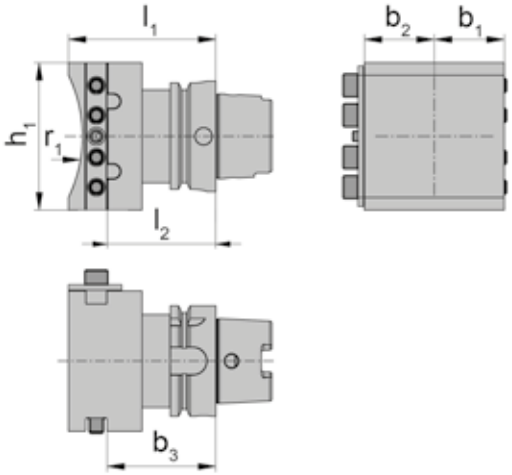


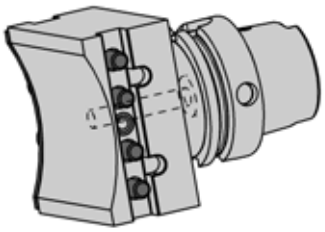
Bestellnummer Part number	l_1	l_2	h_1	b_2	b_1	r_1	d_1	HWS	HMS
960.VDI25.C0.00101	23	9	68	28	28	80	25	FN12	VDI25
960.VDI30.C0.00101	23	9	76	34	34	80	30	FN12	VDI30
960.VDI40.C0.00101	23	9	84	40	40	80	40	FN12	VDI40
960.VDI50.C0.00101	24	11	98	40	40	80	50	FN12	VDI50

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...







Bestellnummer Part number	l_1	l_2	h_1	b_2	b_1	b_3	r_1	d_1	HWS
960.HSKT63.C0.00101	76	62	84	40	40	62	80	63	FN12

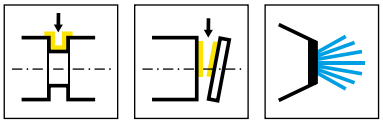
für Stechhaltestücke 960.A... und 960.I...
for grooving toolholder 960.A... and 960.I...

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**!

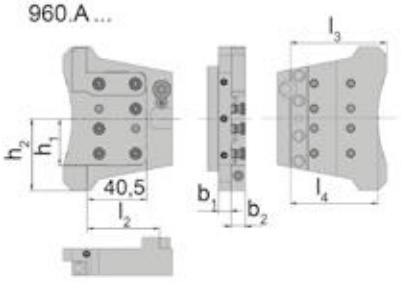
Stechhaltestück
Grooving toolholder

960

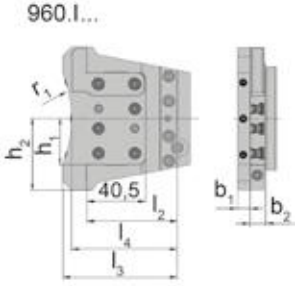
C

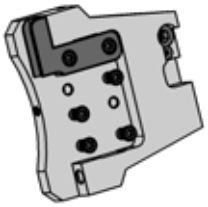


960.A...



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 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.A.0.845.0000.IK	49,5	66	60	31,65	49	85	8,6	9,8	845001 • 845002	FN12
960.I.0.842.0001.IK	58,5	68	62,5	21	36,5	70	8,7	10,8	842001 • 842002	FN12
960.I.0.845.0008.IK	62,5	79	73	31,65	49	85	7,4	10,8	845001 • 845002	FN12
960.A.0.845.0002.IK	67,5	84	78	31,65	49	85	8,7	9,8	845001 • 845002	FN12
960.A.0.845.0004.IK	85	101,5	95,5	31,65	49	85	8,7	9,8	845001 • 845002	FN12
960.I.0.845.0001.IK	62,5	79	73	31,65	49	85	8,7	10,8	845001 • 845002	FN12
960.I.0.845.0003.IK	80,5	97	91	31,65	49	85	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

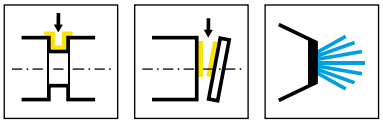
Stechhaltestücke sind jeweils für rechte und linke Kassetten verwendbar.
Grooving toolholder can be used with right and left hand cassettes.

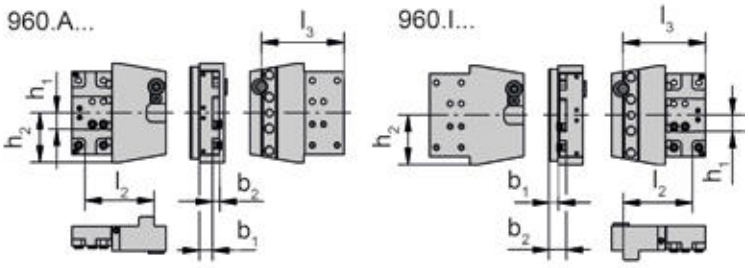
Ersatzteile
Spare Parts

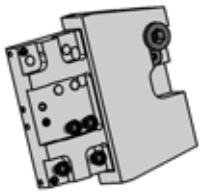
Stechhaltestück Grooving toolholder	**Spannschraube** Clamping Screw
960...	**6.18T20P**

Stechhaltestück
Grooving toolholder

960







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

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

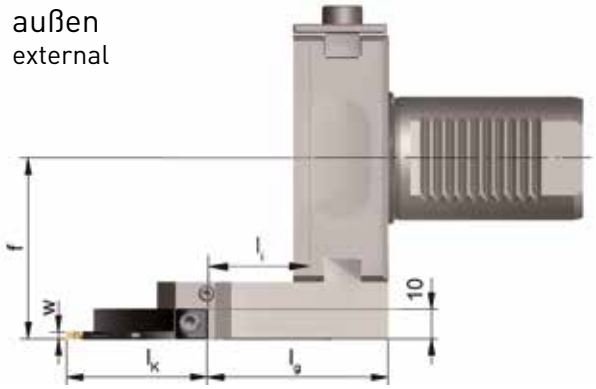
Bestellnummer Part number	l_2	l_3	h_1	h_2	b_1	b_2	HWS	HMS
960.A.0220.0001.IK	53	63	12,5	37,75	10	8,8	220002	FN12
960.I.0220.0001.IK	53	63	12,5	37,75	6	12,8	220001	FN12

Ersatzteile
Spare Parts

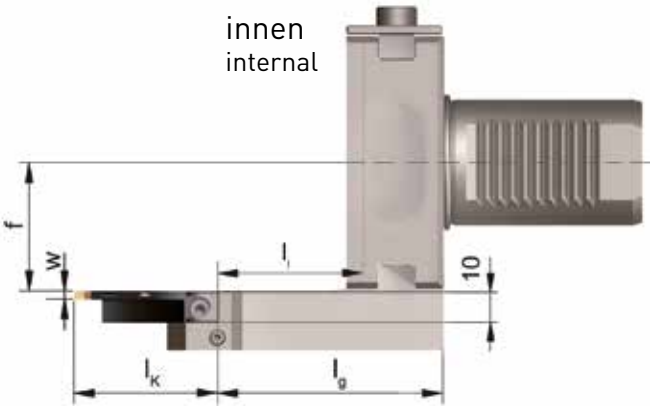
Stechhaltestück Grooving toolholder	**Spannschraube** Clamping Screw	**Schraube** Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
960...	**5.12T20P**	**4.08.10642**	**T20PQ**

Ermittlung der Referenzlänge
Determining the reference length

außen
external



innen
internal



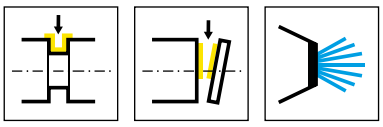
l_K (Kassettenmaß) + l_g (l_2 Stechhaltestück + l_2 Grundhalter)
l_K (Length of cassette) + l_g (l_2 Grooving toolholder + l_2 Basic toolholder)

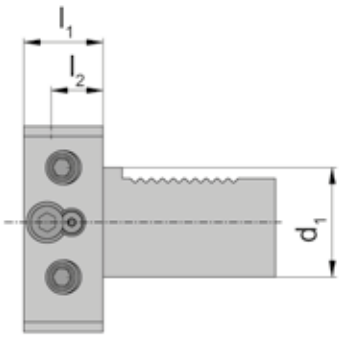
Abbildung VDI
Picture VDI

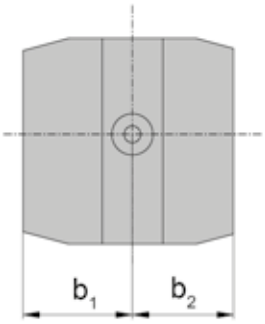
Grundlegende Hinweise
Bitte max. Schwenkkreis-Ø des Maschinenherstellers beachten.
Umlauf-Ø von Spannfutter zum Abstechhalter prüfen.

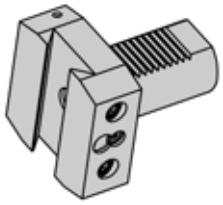
Basic Recommendations
Please note the max. swing circle Ø of the machine manufacters.
Check rotaion Ø of the chuck to the toolholder.

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









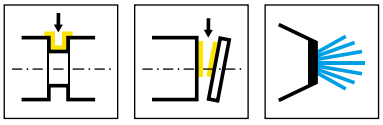
Bestellnummer Part number	l_2	b_2	b_1	l_1	d_1	HMS
960.VDI30.B0.00101	16	35	35	26	30	VDI30
960.VDI40.B0.00101	19	37	37	29	40	VDI40
960.VDI50.B0.00101	19	50	50	29	50	VDI50

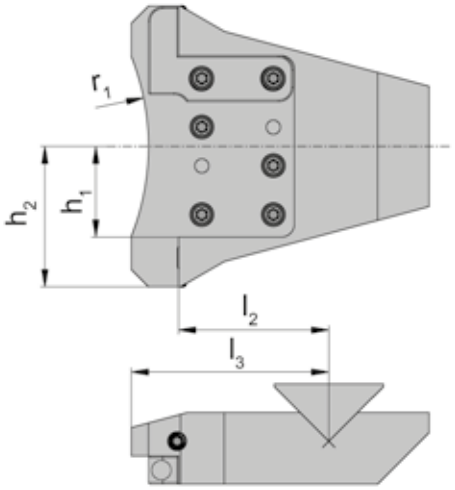
Grundhalter 960.VDI30...und 960.VDI40... für Stechhaltestück 960.Q.0.845.0000.IK
Grundhalter 960.VDI50... für Stechhaltestück 960.Q.0.845.0001.IK
Basic toolholder 960.VDI30... and 960.VDI40... for grooving toolholder 960.Q.0.845.0000.IK
Basic toolholder 960.VDI50... for grooving toolholder 960.Q.0.845.0001.IK

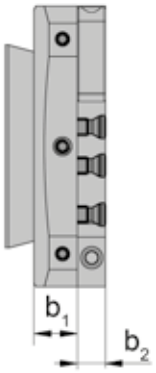
Stechhaltestück
Grooving toolholder

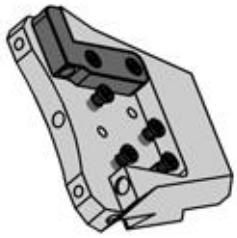
960

C









Bestellnummer Part number	l_2	l_3	h_1	h_2	r_1	b_1	b_2	HWS
960.Q.0.845.0000.IK	52,5	69	31,65	49	85	15,2	9,8	845001 • 845002
960.Q.0.845.0001.IK	35,5	50	31,65	49	85	15,2	9,8	845001 • 845002

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
Grundhalter 960.VDI50... für Stechhaltestück 960.Q.0.845.0001.IK
Basic toolholder 960.VDI30... and 960.VDI40... for grooving toolholder 960.Q.0.845.0000.IK
Basic toolholder 960.VDI50... for grooving toolholder 960.Q.0.845.0001.IK

Ersatzteile
Spare Parts

Stechhaltestück Grooving toolholder	**Spannschraube** Clamping Screw
960.Q.0.845.0000.IK	**6.18T20P**
960.Q.0.845.0001.IK	

C

für Traub TNC 42/65
for Traub TNC 42/65



77...



R/L991.X842...R.IK



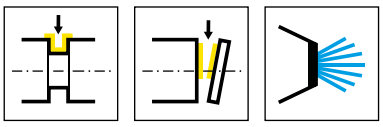
R/L991.X842...L.IK

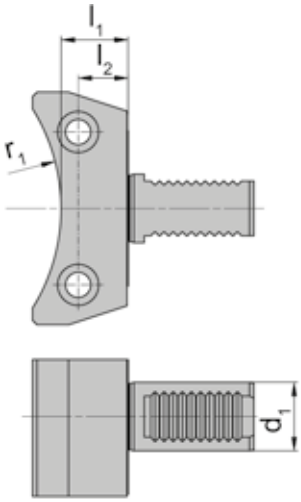


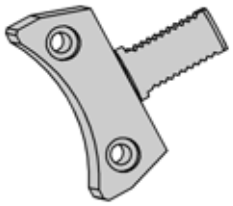
RNK...0842...



LNK...0842...





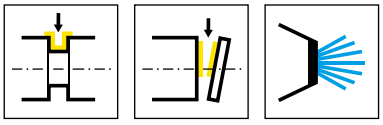


Bestellnummer Part number	l_2	b_2	b_1	l_1	r_1	d_1	Maschinentyp Machine type
776457	22	35	25	29,5	82,5	30	TRAUB TNC 42/65 - 12 Stationen

Für Traub TNC42/65 - 14 Stationen wird der Grundhalter 776460 sowie das Stechhaltestück 001.0845.2418 benötigt.
Traub TNC42/65 - 14 stations for use with basic toolholder 776460 and grooving toolholder 001.0845.2418

Stechhaltestück
Grooving toolholder

991



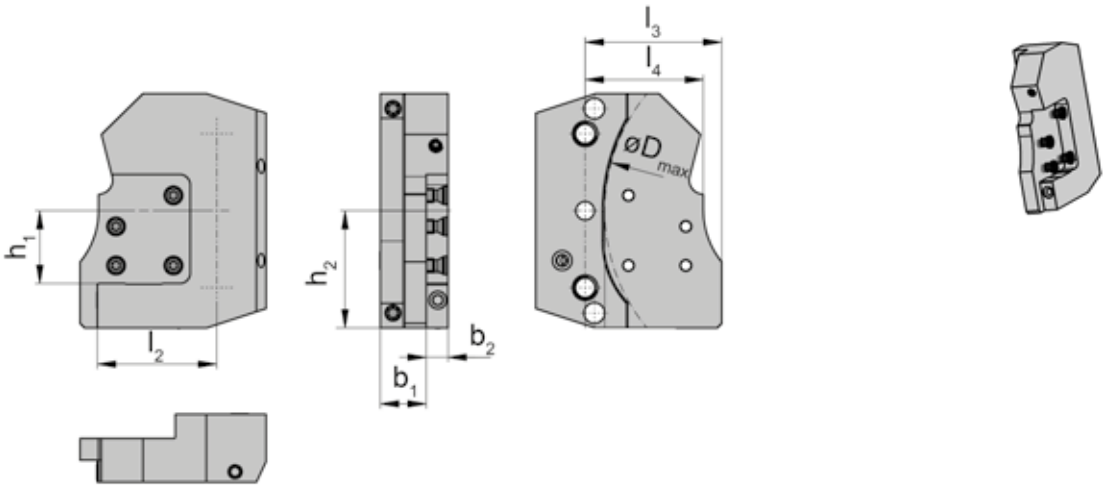


Abbildung = R...R
Picture = R...R

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

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

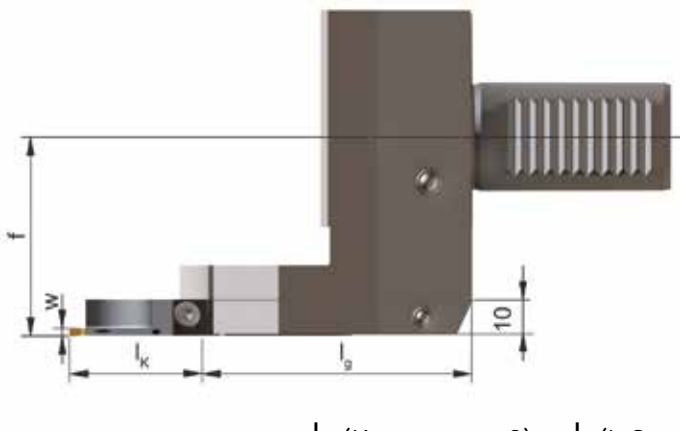
Ersatzteile
Spare Parts

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

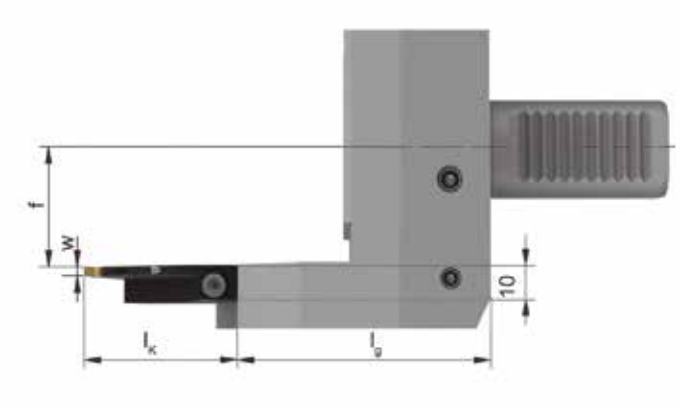
Ermittlung der Referenzlänge
Determining the reference length

C

außen
external



innen
internal



l_K (Kassettenmaß) + l_g (l_2 Stechhaltestück + l_2 Grundhalter)
l_K (Length of cassette) + l_g (l_2 Grooving toolholder + l_2 Basic toolholder)

Abbildung VDI
Picture VDI

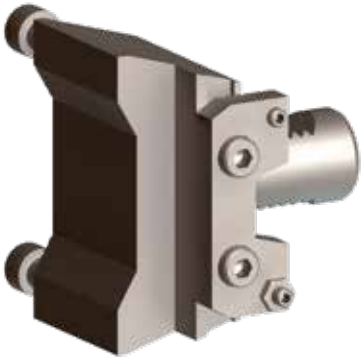
Grundlegende Hinweise
Bitte max. Schwenkkreis-Ø des Maschinenherstellers beachten.
Umlauf-Ø von Spannfutter zum Abstechhalter prüfen.

Basic Recommendations
Please note the max. swing circle Ø of the machine manufacters.
Check rotaion Ø of the chuck to the toolholder.

Grundhalter Basic toolholder	**Stechhaltestück** Grooving toolholder L991.X842...L.IK / R991.X842...R.IK		**Stechhaltestück** Grooving toolholder L991.X842...R.IK / R991.X842...L.IK	
	f	lg	f	lg
776457	55,2	72	35,1	72

C

für Traub und Index
for Traub and Index



W13... / W14...



R/L990.X845...R.IK



R/L990.X845...L.IK

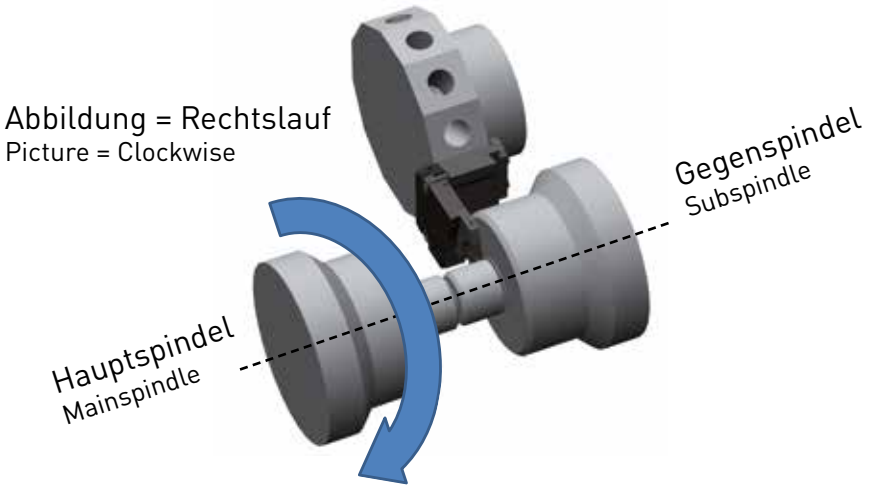


RNK100.0845...



LNK100.0845..

Einbausituationen
Installation position



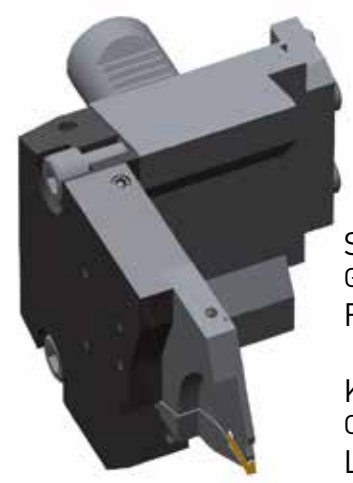
Abstechen an der Gegenspindel im
Linkslauf
Parting off on the subspindle in
anti-clockwise rotation



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...

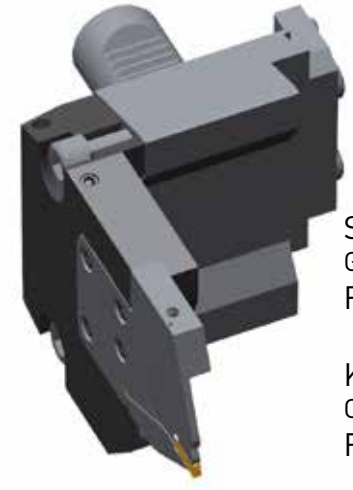
Abstechen an der Hauptspindel im
Linkslauf
Parting off on the mainspindle in
anti-clockwise rotation



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

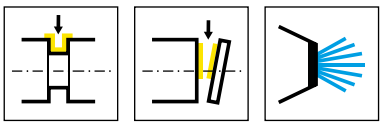
Kassette
Cassette
LNK100.0845...

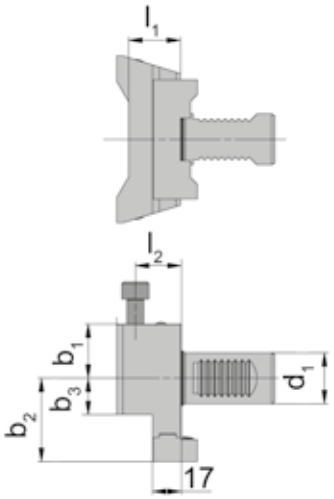
Abstechen an der Hauptspindel im
Rechtslauf
Parting off on the mainspindle in
clockwise rotation

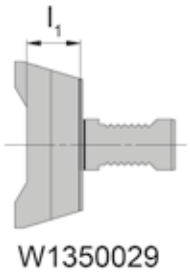


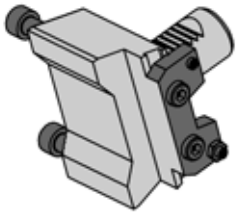
Stechhaltestück
Grooving toolholder
R990.X845...R.IK

Kassette
Cassette
RNK100.0845...









Bestellnummer Part number	l_2	b_2	b_1	b_3	l_1	d_1	Maschinentyp Machine type	Ausführung Type	HWS	HMS
W1310001	27	45	31,85	21,5	30,5	30	Index C200/G160/G250/G300	V-Leiste V-Strip	Index Traub	Index Traub
W1340039	27	49	31,85	21,5	30,5	30	Traub TNX 42/65	T-Leiste T-Strip	Index Traub	Index Traub
W1350029	27,6	35	31,85	21,5	31	30	Index G220/G250/G300/C200 Traub TNX42/65/	W-Verzahnung W-Gearing	Index Traub	Index Traub
W1410000	27	52,5	34,85	29	31	40	Index G220/G250/G400 Traub TNX80	V-Leiste V-Strip	Index Traub	Index Traub
W1440005	27	56,5	34,85	29	31	40	Traub TNX80	T-Leiste T-Strip	Index Traub	Index Traub
W1450018	27	42,5	34,85	2,5	31	40	Index G250	W-Verzahnung W-Gearing	Index Traub	Index Traub

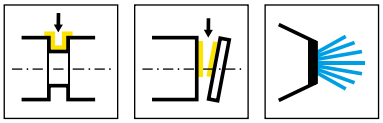
Für nicht mehr lieferbaren Grundhalter W1450018 sind weiterhin Stechhaltestücke und Kassetten erhältlich.
For basic toolholder W1450018 that is no longer on stock, the grooving toolholder and cassettes are still available.

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

Stechhaltestück
Grooving toolholder

990

C



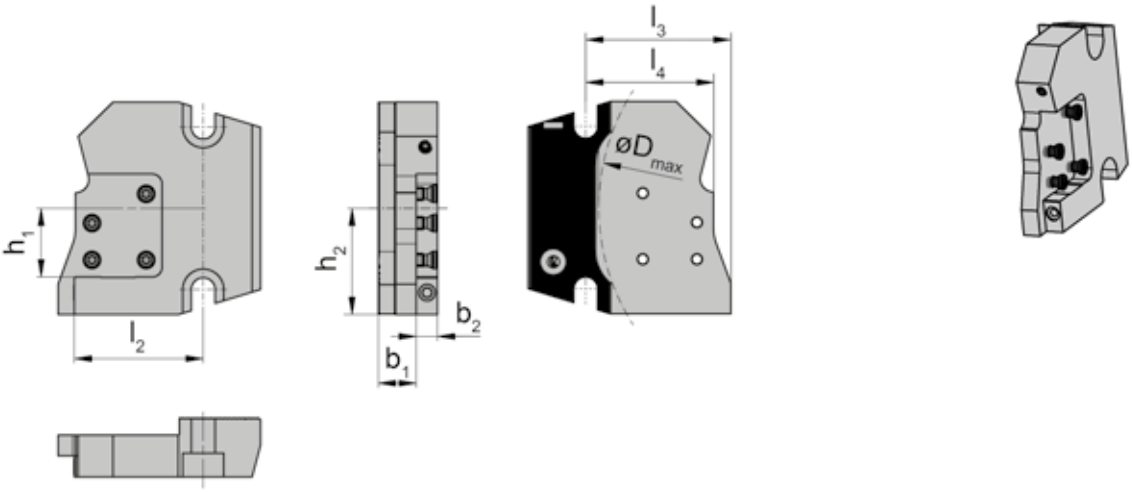


Abbildung = R...R
Picture = R...R

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

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

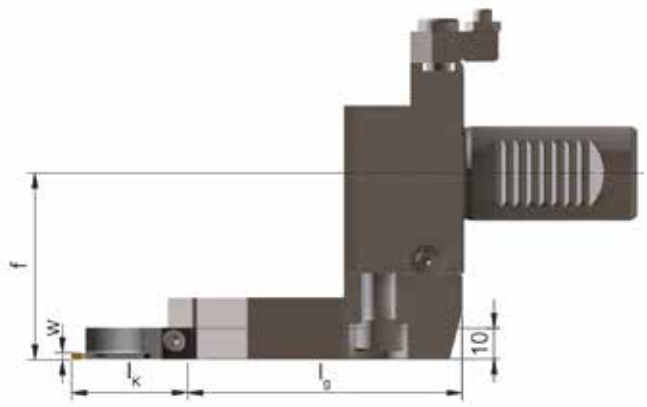
Empfehlung:
Stechhaltestücke ...L.IK für linke Kassetten und Stechhaltestücke ...R.IK für rechte Kassetten verwenden.
Recommendation:
Use grooving toolholder ...L.IK for left hand cassettes and grooving toolholder ...R.IK for right hand cassettes.

Ersatzteile
Spare Parts

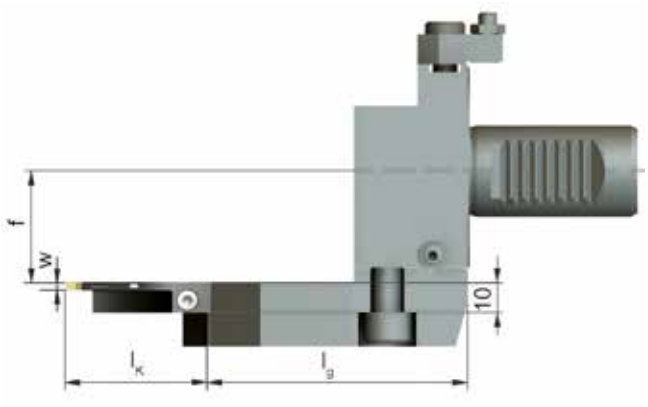
Stechhaltestück Grooving toolholder	**Kugelspritzdüse** Coolant spray nozzle	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/L990.X845.8698.L.IK	**020.0806.3116**	**6.18T20P**	**T20PQ**
R/L990.X845.8698.R.IK	**020.0806.3116**	**6.18T20P**	

Ermittlung der Referenzlänge
Determining the reference length

außen
external



innen
internal



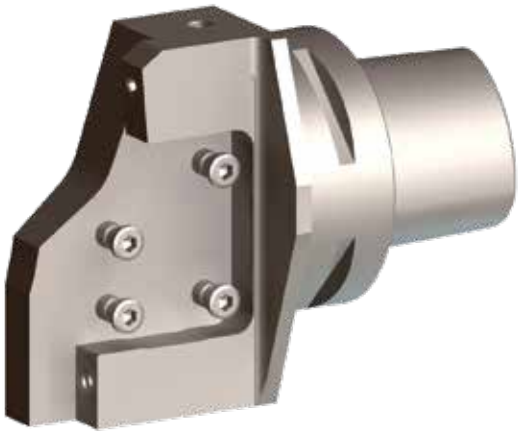
l_K (Kassettenmaß) + l_g (l_2 Stechhaltestück + l_2 Grundhalter)
l_K (Length of cassette) + l_g (l_2 Grooving toolholder + l_2 Basic toolholder)

Abbildung VDI
Picture VDI

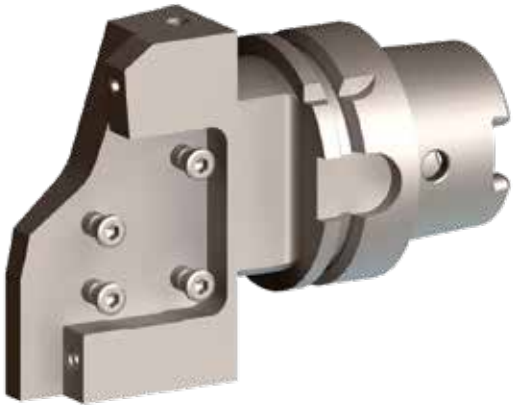
Grundlegende Hinweise
Bitte max. Schwenkkreis-Ø des Maschinenherstellers beachten.
Umlauf-Ø von Spannfutter zum Abstechhalter prüfen.

Basic Recommendations
Please note the max. swing circle Ø of the machine manufacters.
Check rotaion Ø of the chuck to the toolholder.

Grundhalter Basic toolholder	**Stechhaltestück** Grooving toolholder L990.X845...L.IK / R990.X845...R.IK		**Stechhaltestück** Grooving toolholder L990.X845...R.IK / R990.X845...L.IK	
	f	lg	f	lg
W1310001	59,55	86,5	36,65	86,5
W1340039	59,55	86,5	36,65	86,5
W1350029	59,55	87,1	36,65	87,1
W1410000	62,55	86,5	39,65	86,5
W1440005	62,55	86,5	39,65	86,5
W1450018	62,55	86,5	39,65	86,5



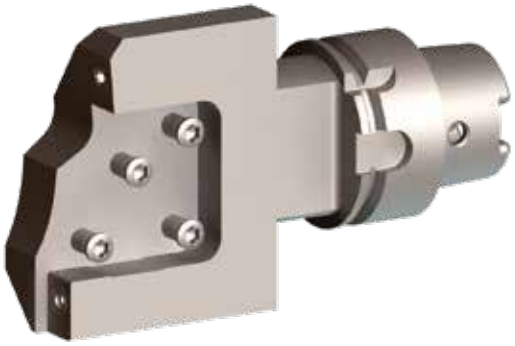
C3.../C5.../C6...



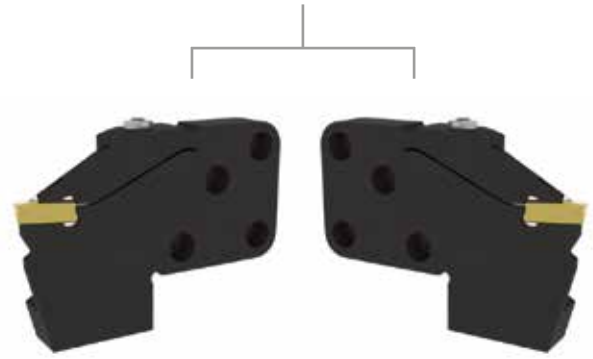
HSKT63...



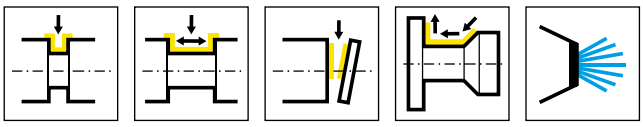
L/RNK...0842...
L/RNK...0845...

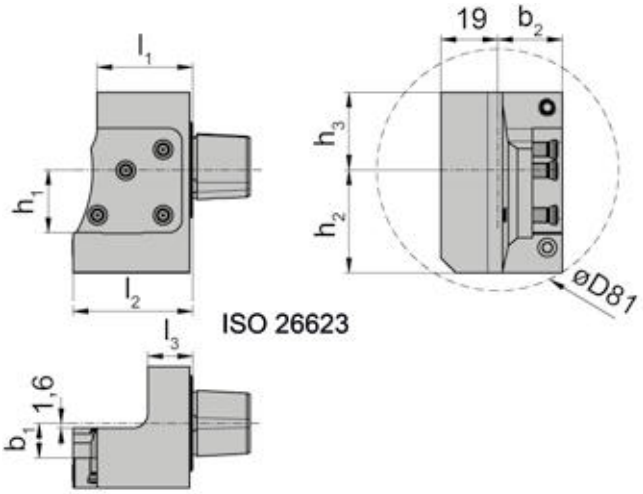


HSKT40...



L/RNK100.0842...







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

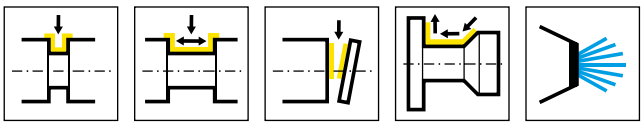
Bestellnummer Part number	l_2	l_1	h_1	h_2	h_3	b_1	l_3	b_2	Maschinentyp Machine type	HWS
C3.L842.A.01.K1	40	32	21	34,5	26	11,6	15	21,6	TRAUB TNL18/32	842001 • 842002
C3.R842.A.01.K1	40	32	21	34,5	26	11,6	15	21,6	TRAUB TNL18/32	842001 • 842002

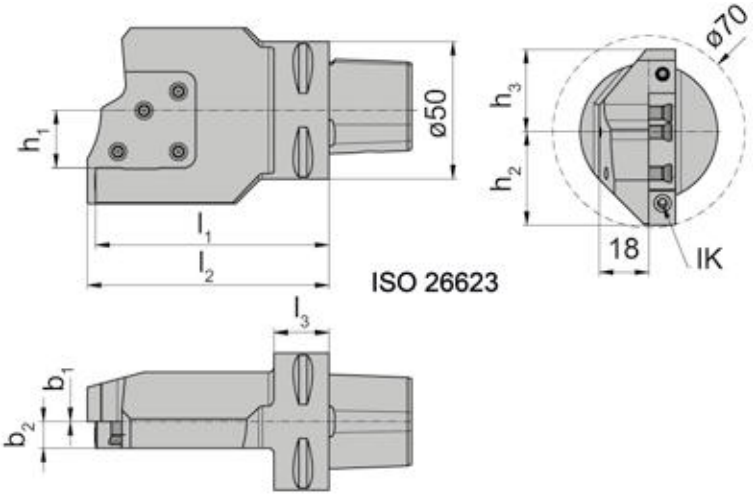
Ersatzteile
Spare Parts

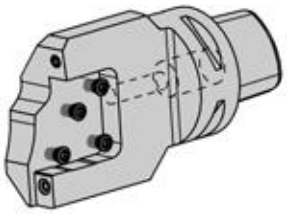
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
C3...	**5.18T20P**	**T20PQ**

Grundhalter
Basic toolholder

C5







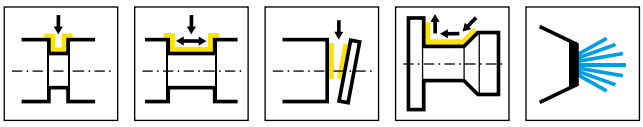
R = rechts wie gezeichnet
R = right hand version shown

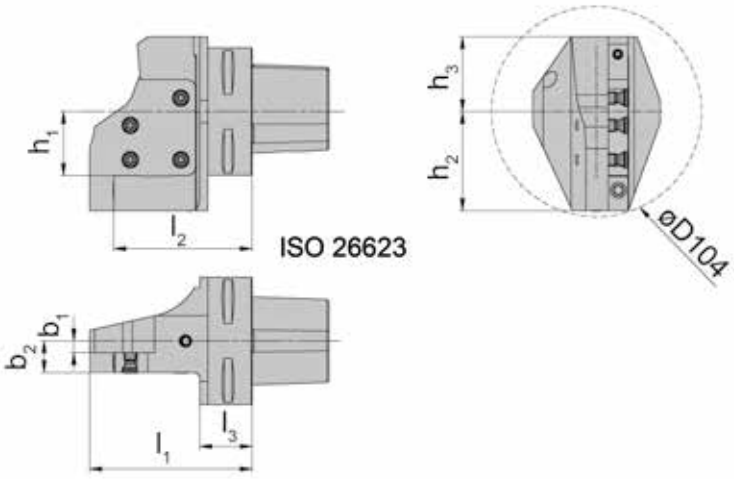
L = links spiegelbildlich
L = left hand version

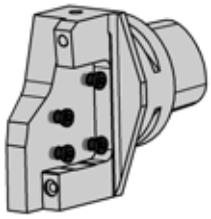
Bestellnummer Part number	l_2	l_1	h_1	h_2	h_3	b_1	l_3	b_2	HWS
C5.R842.01.K1	88	85	21	34	30	0	25	18	842001 • 842002

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
C5.R842.01.K1	**5.18T20P**	**T20PQ**







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

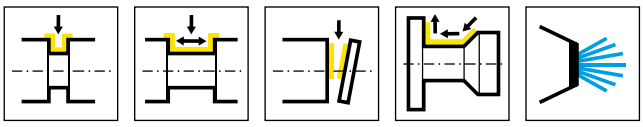
Bestellnummer Part number	l_2	l_1	h_1	h_2	h_3	b_1	l_3	b_2	HWS
C6.L845.01.K1	68,5	80,5	31,65	49	37	5,8	22	15,6	845001 • 845002
C6.R845.01.K1	68,5	80,5	31,65	49	37	5,8	22	15,6	845001 • 845002
C8.L845.01.K1	77,5	80,5	31,65	49	40	5,8	31	15,6	845001 • 845002
C8.R845.01.K1	77,5	80,5	31,65	49	40	5,8	31	15,6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

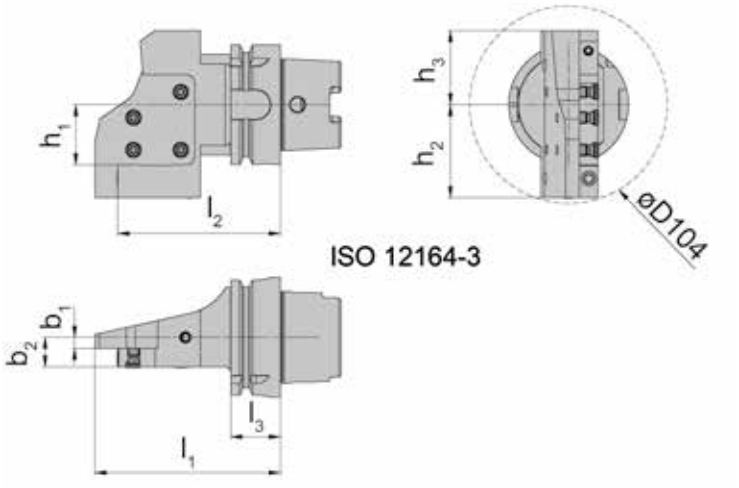
Ersatzteile
Spare Parts

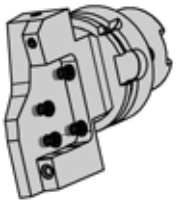
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
C6...	**6.18T20P**	**T20PQ**

Grundhalter
Basic toolholder

HSKT63 / HSKT100







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

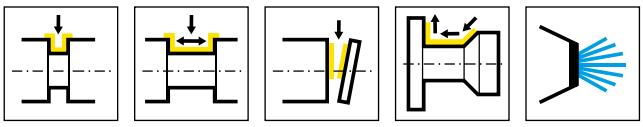
Bestellnummer Part number	l_2	l_1	h_1	h_2	h_3	l_3	b_2	HWS
HSKT63.L845.01.K1	85,5	97,5	31,65	49	39	26	15,6	845001 • 845002
HSKT63.R845.01.K1	85,5	97,5	31,65	49	39	26	15,6	845001 • 845002
HSKT100.L845.01.K1	-	-	31,65	49	50	28,95	15,6	845001 • 845002
HSKT100.R845.01.K1	-	-	31,65	49	50	28,95	15,6	845001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

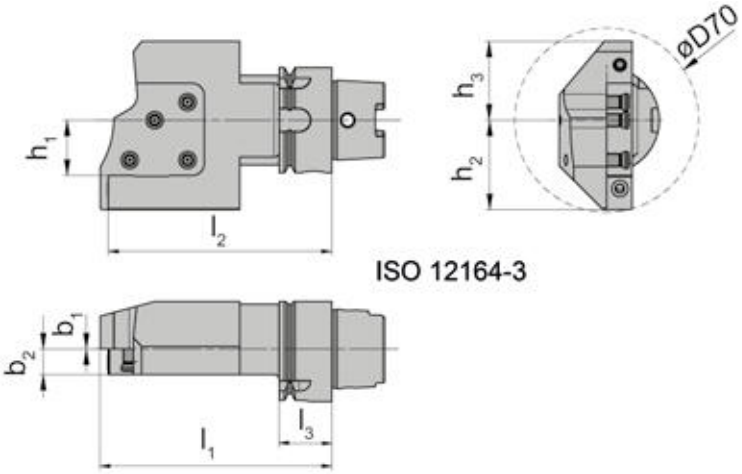
Ersatzteile
Spare Parts

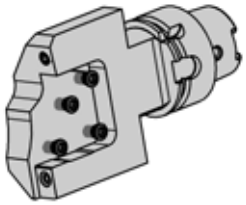
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSKT63...	**6.18T20P**	**T20PQ**

Grundhalter
Basic toolholder

HSKT40







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

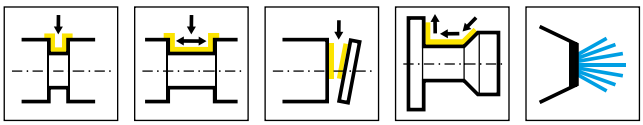
Bestellnummer Part number	h_1	h_2	h_3	l_3	b_2	HWS
HSKT40.L842.01.K1	21	34	30	20	9,7	842001 • 842002
HSKT40.R842.01.K1	21	34	30	20	9,7	842001 • 842002

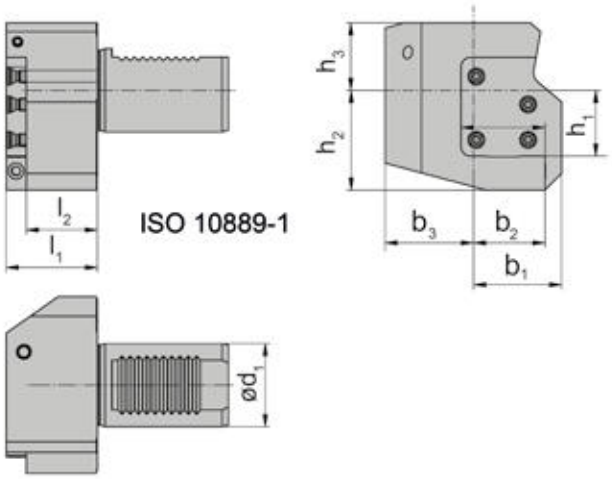
Ersatzteile
Spare Parts

Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
HSKT40...	**5.18T20P**	**T20PQ**

Grundhalter
Basic toolholder

VDI





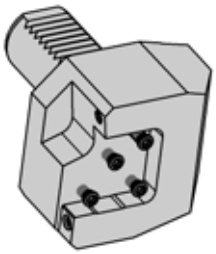
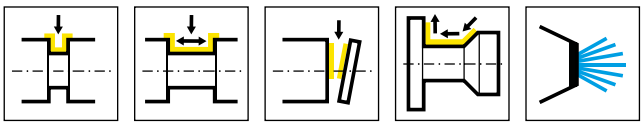


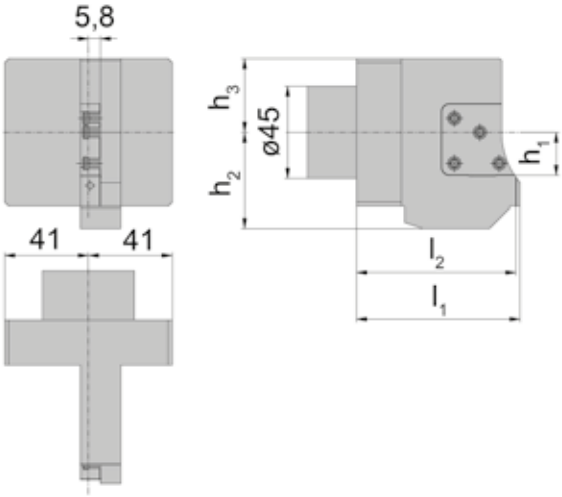
Abbildung = VDI-Halter Typ B1
Picture = VDI Toolholder Type B1

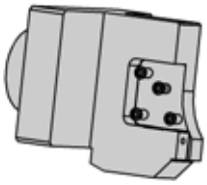
Bestellnummer Part number	l_2	l_1	h_1	h_2	h_3	b_1	b_3	b_2	HWS	HMS
842.VDI30.B1.00101	30,3	40	21	26	22	35	35	33	842001 • 842002	VDI30
845.VDI40.B1.00101	34,3	44	31,65	48	32,5	42,5	42,5	34,5	845001 • 845002	VDI40
845.VDI40.B2.00101	34,3	44	31,65	48	32,5	42,5	42,5	34,5	845001 • 845002	VDI40

Ersatzteile
Spare Parts

Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
842.VDI30.B1.00101	**5.18T20P**	**T20PQ**
845.VDI40....	**6.24T20P**	**T20PQ**







R = rechts wie gezeichnet
R = right hand version shown

Bestellnummer Part number	l_2	l_1	h_1	h_3	h_2	Maschinentyp Machine type	HWS	HMS
842.TR0I.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 Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
842.TR0I.R.01.K1	**5.18T20P**	**T20PQ**

C

für INDEX
for INDEX



W1250031



W8900015



R/L940.X842...R.IK



R/L940.X842...L.IK



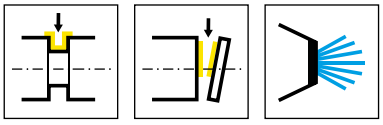
RNK100.0842...

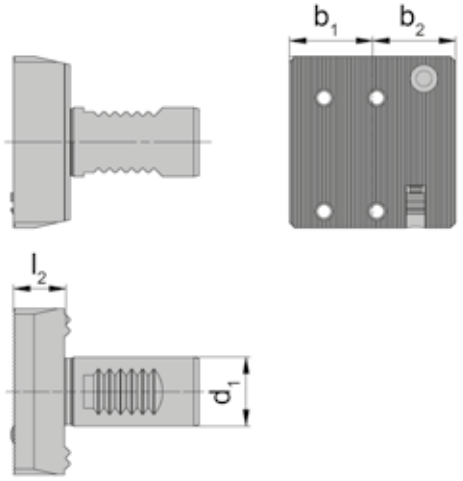


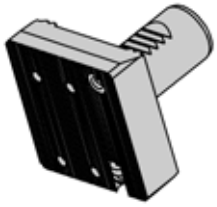
LNK100.0842...

Grundhalter
Basic toolholder

W12



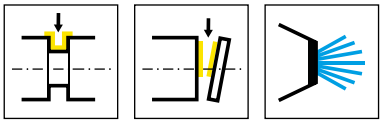


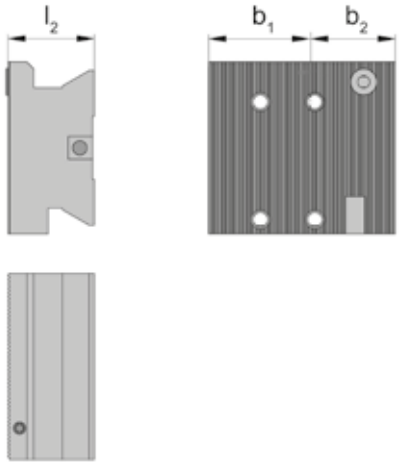


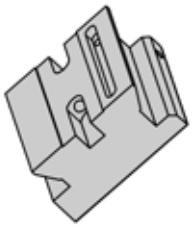
Bestellnummer Part number	b_2	b_1	l_2	d_1	Maschinentyp Machine type	HWS	HMS
W1250031	30	30	18,9	25	Index C42-65/C100/C200/G160/G250	Index Traub	Index Traub

Grundhalter
Basic toolholder

W89



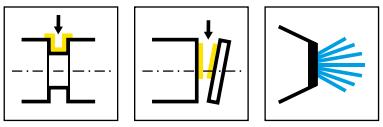


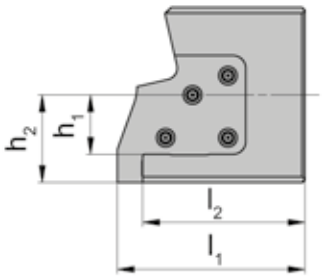


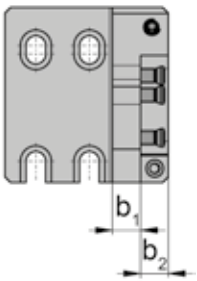
Bestellnummer Part number	b_2	b_1	l_2	Maschinentyp Machine type	HWS	HMS
W8900015	28	37	29,5	Index ABC	Index Traub	Index Traub

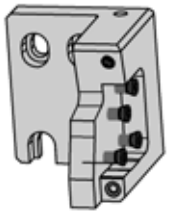
Stechhaltestück
Grooving toolholder

940









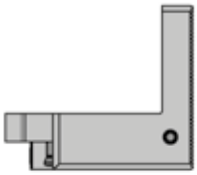


Abbildung = R...R
Picture = R...R

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

Bestellnummer 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.

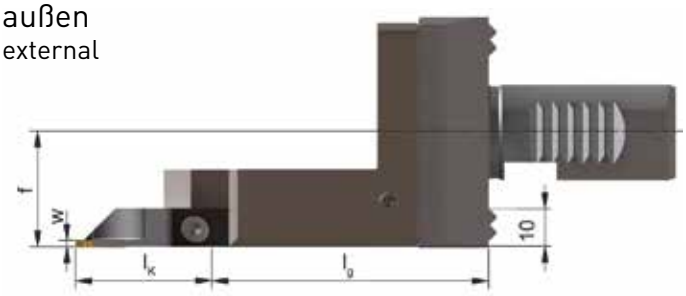
Ersatzteile
Spare Parts

Stechhaltestück Grooving toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/L940...	**5.18T20P**	**T20PQ**

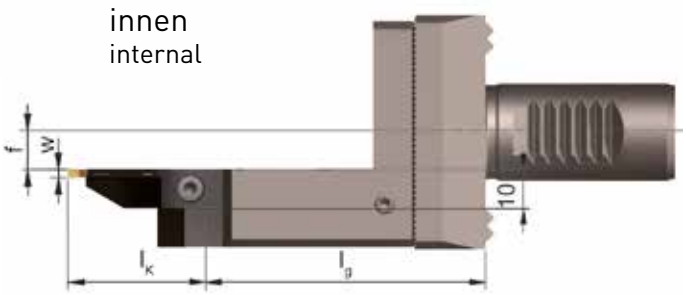
Ermittlung der Referenzlänge
Determining the reference length

C

außen
external



innen
internal



l_K (Kassettenmaß) + l_g (l_2 Stechhaltestück + l_2 Grundhalter)
l_K (Length of cassette) + l_g (l_2 Grooving toolholder + l_2 Basic toolholder)

Abbildung VDI
Picture VDI

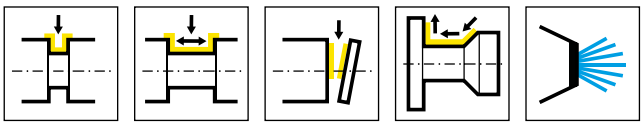
Grundlegende Hinweise
Bitte max. Schwenkkreis-Ø des Maschinenherstellers beachten.
Umlauf-Ø von Spannfutter zum Abstechhalter prüfen.

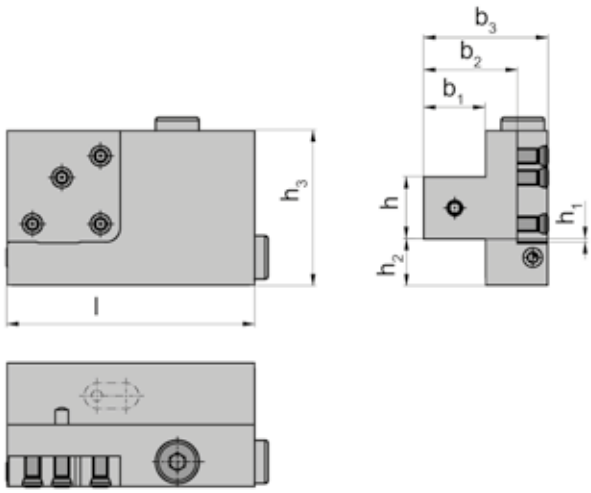
Basic Recommendations
Please note the max. swing circle Ø of the machine manufacters.
Check rotaion Ø of the chuck to the toolholder.

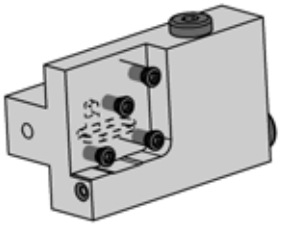
Grundhalter Basic toolholder	**Stechhaltestück** Grooving toolholder L990.X842...L.IK / R990.X842...R.IK		**Stechhaltestück** Grooving toolholder L940.X842...R.IK / R940.X842...L.IK	
	f	lg	f	lg
W1250031	19,7	76,4	9,1	76,4

Grundhalter
Basic toolholder

842







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	h	b_1	l	h_3	b_3	b_2	h_1	h_2	HWS
R842.1616.K1.IK	16	16	65	50	40	30,2	5	19	842001 • 842002
R842.2525.K1.IK	25	25	95	50	45	35,5	4	10	842001 • 842002
L842.1616.K1.IK	16	16	65	50	40	30,2	5	19	842001 • 842002
L842.2020.K1.IK	20	20	80	50	40	30,2	1	15	842001 • 842002
L842.2525.K1.IK	25	25	95	50	45	35,5	4	10	842001 • 842002

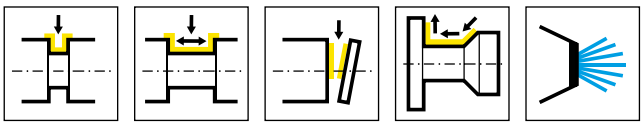
Ersatzteile
Spare Parts

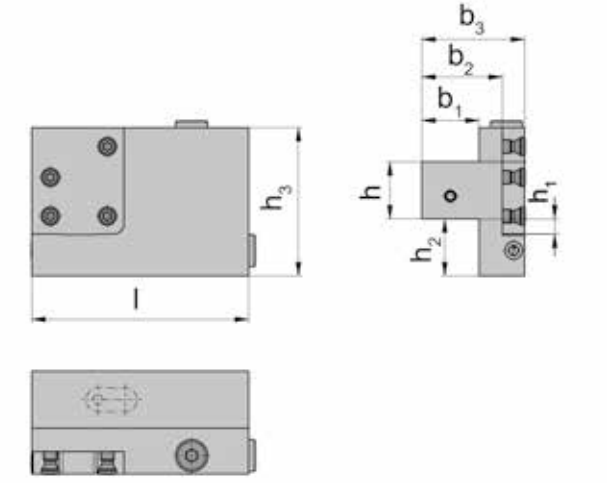
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench	**Verschlussschraube** Screw Plug
R/L842...	**5.18T20P**	**T20PQ**	**004.00.26**
L842.2020.K1.IK	**5.18T20P**	**T20PQ**	**004.00.26**

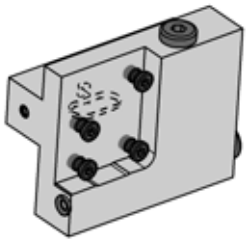
Grundhalter
Basic toolholder

845

C







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	h	b_1	l	h_3	b_3	b_2	h_1	h_2	HWS
R845.2020.K1.IK	20	20	80	65	40	30	11,65	30	845001 • 845002
R845.2525.K1.IK	25	25	95	65	45	35	6,65	25	845001 • 845002
L845.2020.K1.IK	20	20	80	65	40	30	11,65	30	845001 • 845002
L845.2525.K1.IK	25	25	95	65	45	35	6,65	25	845001 • 845002

Ersatzteile
Spare Parts

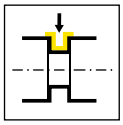
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench	**Verschlussschraube** Screw Plug
R/L845...	**6.18T20P**	**T20PQ**	**004.00.26**



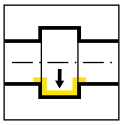
System/System	Seite/Page
968	**150**
849/850/969	**160**

Einstechen und Abstechen
Grooving and Parting Off

Grundhalter
Basic toolholder
968/BGT

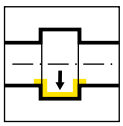


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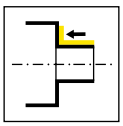


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Einstellbare Halter
Adjustable holder
BKT/RKT



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Seite/Page
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968



D

Modulares System für Mehrspindler INDEX

Modular System for multi-spindle machine INDEX

D

für INDEX
for INDEX



R968...



L968...



R/LNK100.0842...



R/LK842.SD...



R/LK842.SV...

für INDEX-Mehrspindler
for multi-spindle machine INDEX



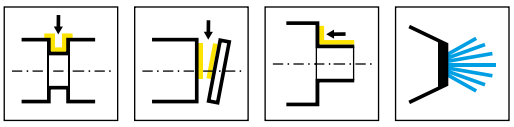
MS52

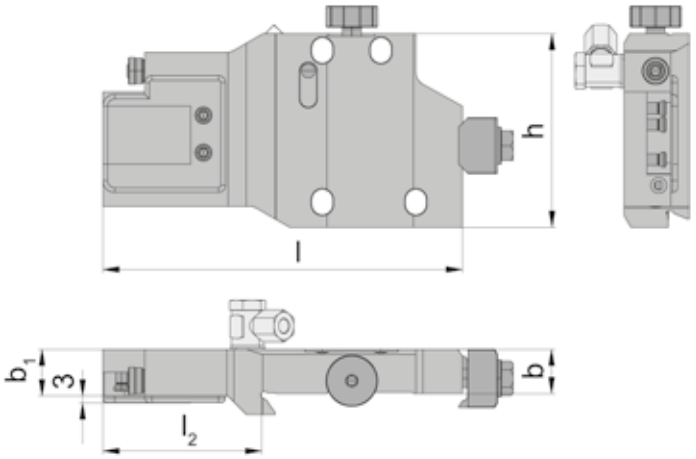


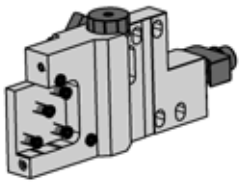
MS32 - MS40



MS16 - MS22







R = rechts wie gezeichnet
R = right hand version shown

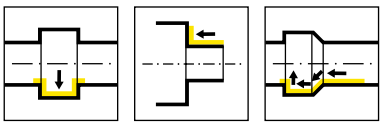
L = Linksausführung
L = left hand version

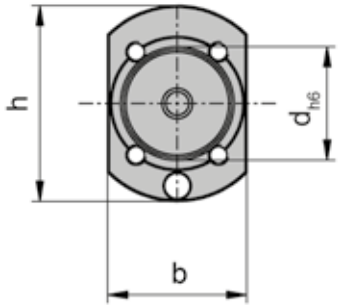
Bestellnummer Part number	l	h	b	b_1	l_2	HWS	HMS
R968.0842.MS.A06.01.IK	40	74,5	27,5	20	-	842001 • 842002	INDEX MS16
R968.0842.MS.B06.01.IK	128	65	21	17	58	842001 • 842002	INDEX MS18-MS22
R968.0842.MS.D16.01.IK	154	83	19	20	68	842001 • 842002	INDEX MS32-MS40
R968.0842.MS.E06.01.IK	179	86	36	22	93	842001 • 842002	INDEX MS52
L968.0842.MS.B06.01.IK	133	65	21	17	63	842001 • 842002	INDEX MS18-MS22
L968.0842.MS.D16.01.IK	154	83	19	20	68	842001 • 842002	INDEX MS32-MS40
L968.0842.MS.E06.01.IK	179	86	36	22	95	842001 • 842002	INDEX MS52

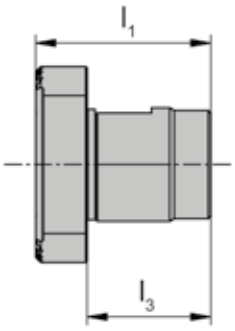
Die passenden Kassetten finden Sie im Kapitel E
For the available cassettes please see chapter E

Grundhalter
Basic toolholder

BGT





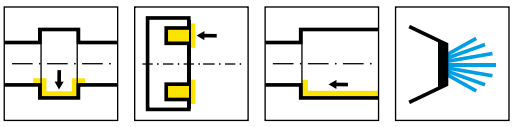


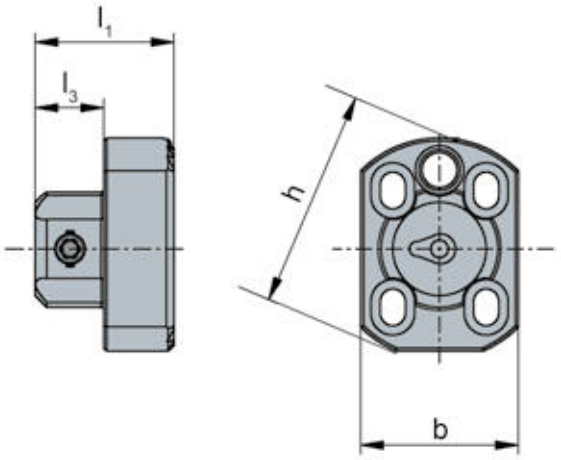
D

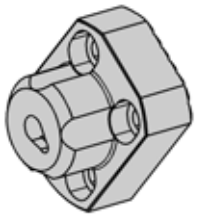
Bestellnummer Part number	h	b	d	l_1	l_3
BGT.MS.0015.16	32	17	15	26	16
BGT.MS.0022.24	38	27	22	34	24
BGT.MS.0024.22	50	27	24	34	22
BGT.MS.0032.32	50	43	32	42	32
BGT.MS.0042.35	62	43	42	48	35

Einstellbare Halter
Adjustable holder

BKT







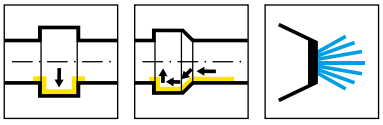
Bestellnummer Part number	b	l_1	h	l_3	HWS	HMS
BKT105.1732.00.01.IK	17	24	32	12	105123 • 105124 • 105125	Kerbverzahnung 60° / T3
BKT105.2738.00.01.IK	27	24	38	12	105123 • 105124 • 105125	Kerbverzahnung 60° / T3
BKT105.4350.00.01.IK	43	24	50	12	105123 • 105124 • 105125	Kerbverzahnung 60° / T3

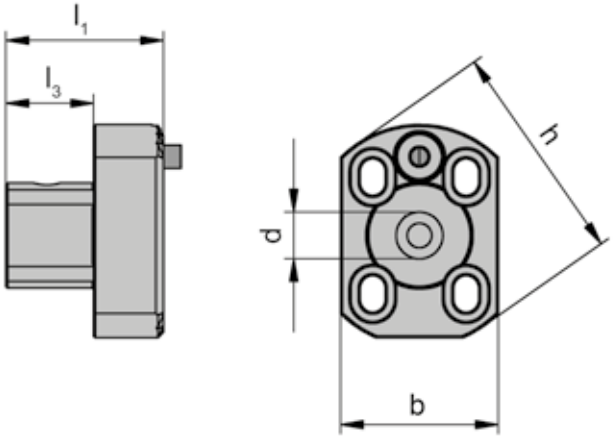
Ersatzteile
Spare Parts

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

Einstellbare Halter
Adjustable holder

BKT



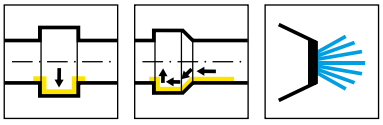


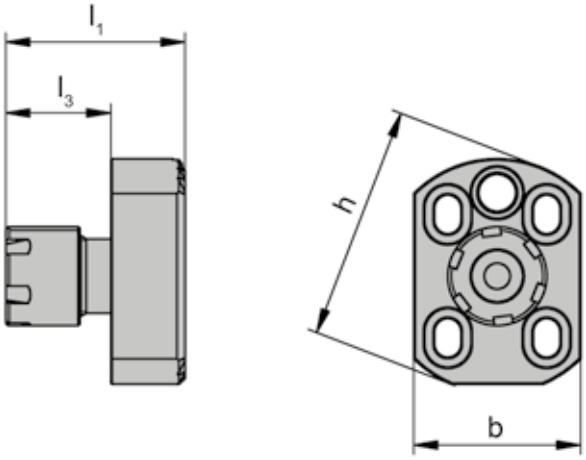
D

Bestellnummer Part number	b	l_1	h	l_3	d
BKT.D008.1732.01.IK	17	25	32	13	8
BKT.D008.2738.01.IK	27	27	38	15	8
BKT.D010.2738.01.IK	27	27	38	15	10
BKT.D012.4350.01.IK	43	52	50	40	12
BKT.D016.4350.01.IK	43	55	50	43	16

Einstellbare Halter
Adjustable holder

BKT

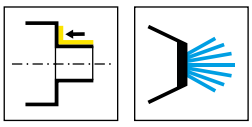


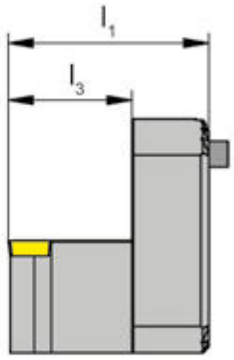


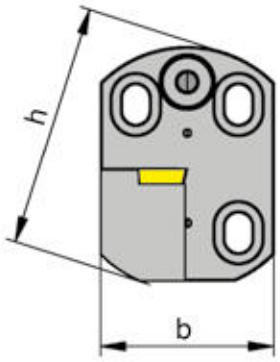
Bestellnummer Part number	b	l_1	h	l_3
BKT.ER11.1732.01.IK	17	29	32	17
BKT.ER11.2738.01.IK	27	29	38	17
BKT.ER20.4350.01.IK	43	50	50	38

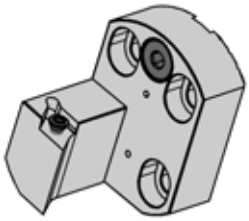
Einstellbare Halter
Adjustable holder

RKT







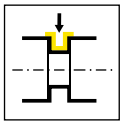


D

Bestellnummer Part number	b	l_1	h	l_3
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

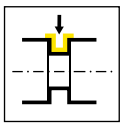
D

Grundhalter
Basic toolholder
849/N849/N850/969

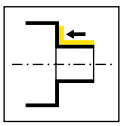


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Kassette
Cassette
N849/849/R850/NK356

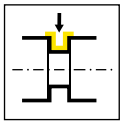


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176-178



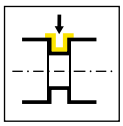
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Aufnahme
Adaptor
N849



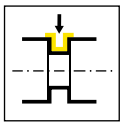
Seite/Page
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Kassettenaufnahme
Adapter for cassettes
849/R850



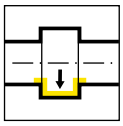
Seite/Page
170, 175

Schwertaufnahme
Adaptor for blades
849



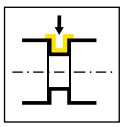
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Bohrstangen-Aufnahme
Adaptor for boring bars
N849/849



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172-173

Stechhaltestück
Grooving toolholder
969



Seite/Page
181-183

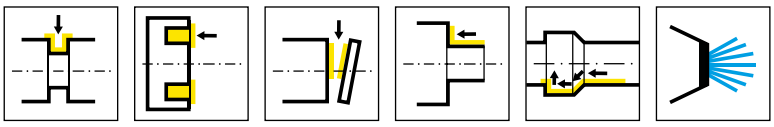
849/850/969

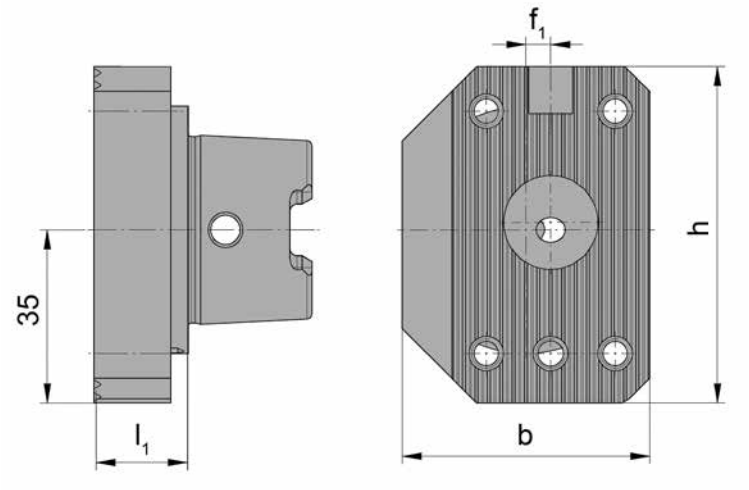


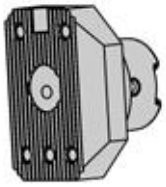
D

Modulares System für Mehrspindler Schütte

Modular System for multi-spindle machine Schütte







Bestellnummer Part number	h	b	f_1	l_1	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

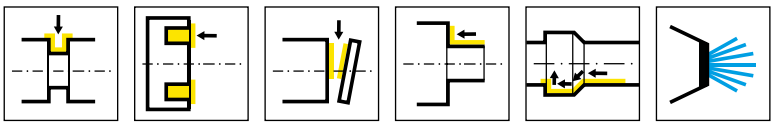
Mitnahmenuten mit eingeengter Toleranz nach ICTM
Drive slots with reduced tolerance per ICTM

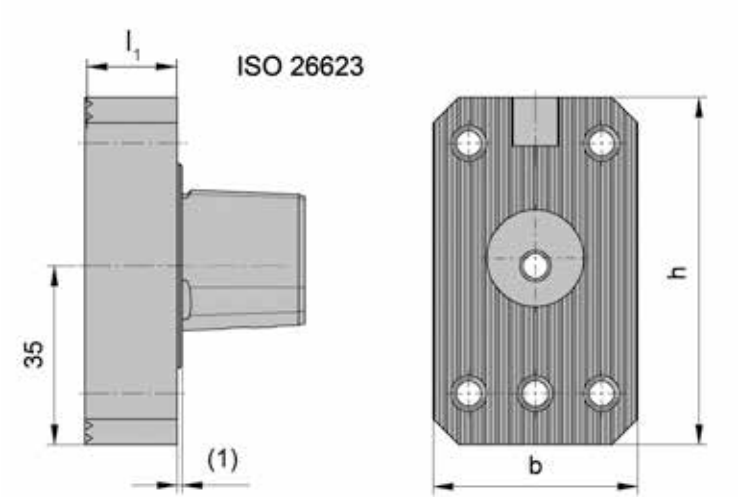
Ersatzteile
Spare Parts

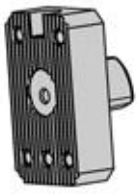
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw
HSKW-N849...	**030.0006.0503**

Grundhalter
Basic toolholder

N849







D

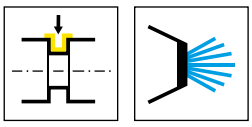
Bestellnummer Part number	h	b	l_1	HWS
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N849.00C4.01	68	40	18,5	Schütte

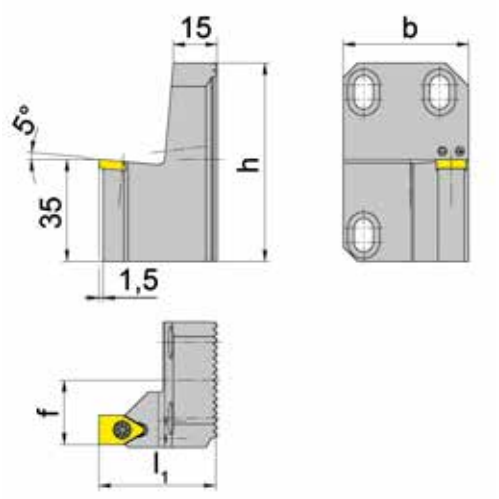
Ersatzteile
Spare Parts

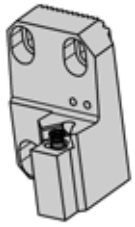
Grundhalter Basic toolholder	**Spannschraube** Clamping Screw
N849...	**030.0006.0503**

Kassette
Cassette

N849







Bestellnummer Part number	h	b	f	l_1	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

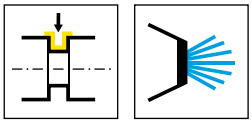
Höheneinstellbarkeit
+ 3 / -1 mm
Height-adjustable
+ 3 / -1 mm

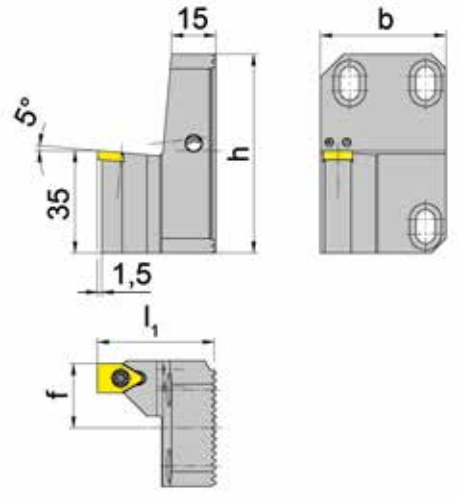
Ersatzteile
Spare Parts

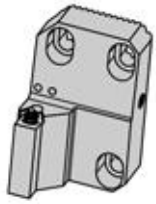
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
N849.0117R.10.00/...12.00	**4.09T15P**	**T15PQ**
N849.0117R.16.00/...32.00	**5.12T20P**	**T20PQ**
N849.0117R..26.00/...20.00	**6.17T20P**	**T20PQ**

Kassette
Cassette

N849







Bestellnummer Part number	h	b	f	l_1	HWS	HMS
N849.0117L.10.00	68	43	22	40	1171005	Schütte
N849.0117L.12.00	68	43	22	40	1171205	Schütte
N849.0117L.16.00	68	43	22	45	1171605	Schütte
N849.0117L.20.00	68	43	22,5	50	1172005	Schütte
N849.0117L.26.00	68	43	22	55	1172605	Schütte
N849.0117L.32.00	68	41	22	40	1173205	Schütte

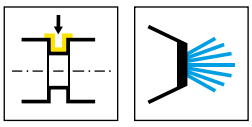
Höheneinstellbarkeit
+ 3 / -1 mm
Height-adjustable
+ 3 / -1 mm

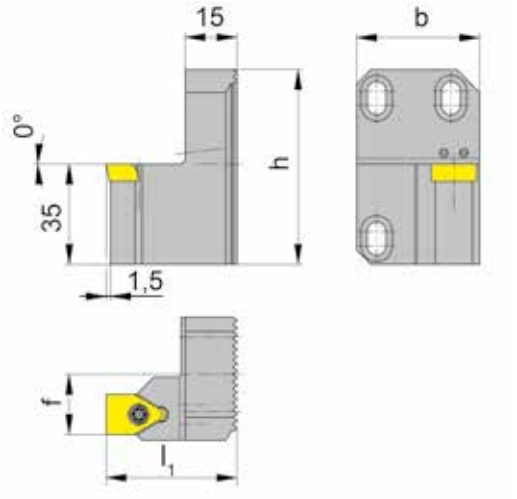
Ersatzteile
Spare Parts

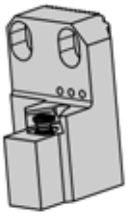
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
N849.0117L.10.00/...12.00	**4.09T15P**	**T15PQ**
N849.0117L.16.00/...32.00	**5.12T20P**	**T20PQ**
N849.0117L..26.00/...20.00	**6.17T20P**	**T20PQ**

Kassette
Cassette

N849





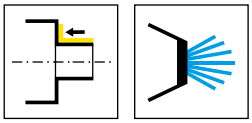


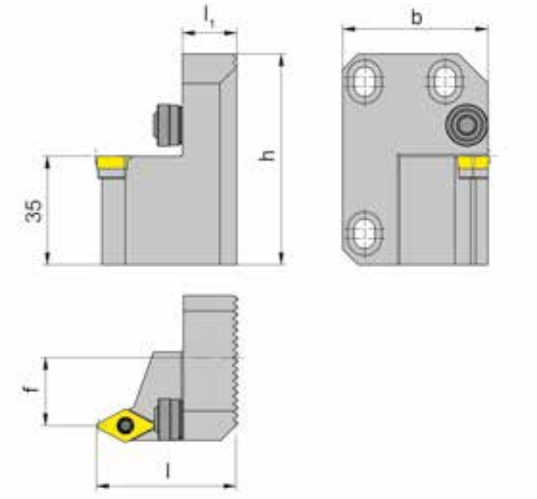
Bestellnummer Part number	h	b	f	l_1	HWS	HMS
N849.0117R.16.M0	68	43	22	45	1171605	Schütte
N849.0117R.20.M0	68	43	22,5	50	1172005	Schütte
N849.0117R.26.M0	68	43	22	55	1172605	Schütte
N849.0117R.32.M0	68	41	22	40	1173205	Schütte

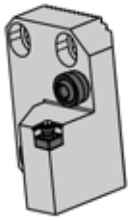
Höheneinstellbarkeit
+ 3 / -1 mm
Height-adjustable
+ 3 / -1 mm
Einlegewinkel / Spanwinkel 0° für Messsingbearbeitung
Mounting angle / rake angle 0° for brass machining

Ersatzteile
Spare Parts

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







D

Bestellnummer Part number	h	b	f	l_1	l	HMS
R849.SCLCR.12.00	68	45,1	27	17	45	Schütte
R849.SCLCR.09.00	68	45,5	27	17	45	Schütte
R849.SVJBR.16.00	68	46,2	27	17	50	Schütte
R849.SDJCR.11.00	68	46,7	27	17	45	Schütte
R849.SVJBL.16.00	68	49,5	14,9	17	50	Schütte

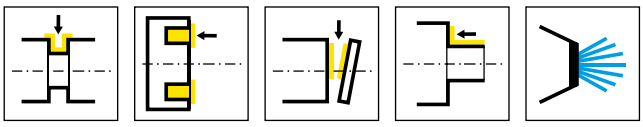
Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

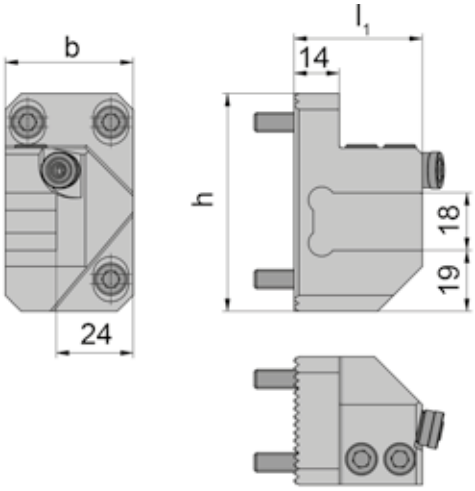
Ersatzteile
Spare Parts

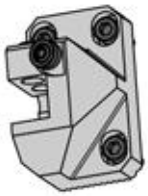
Kassette Cassette	**Kugelspritzdüse** Coolant spray nozzle	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R849...	**020.1210.2966**	**T15PW**

Aufnahme
Adaptor

N849





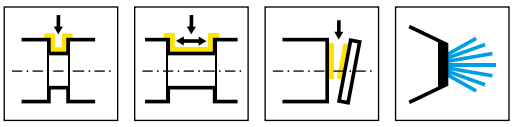


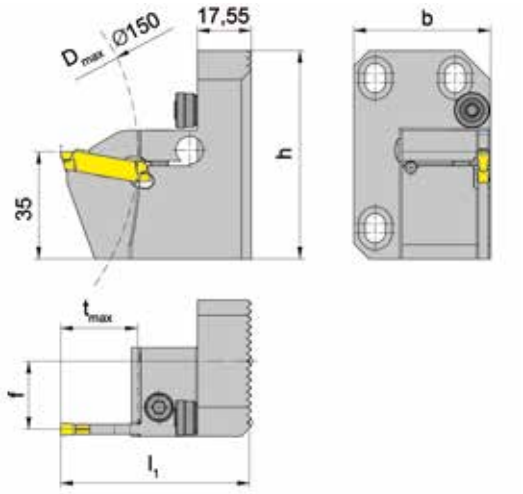
Bestellnummer Part number	h	b	l_1	HMS
N849.1616L.60.K1	68	40	40	Schütte

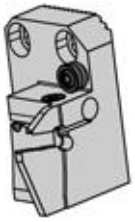
Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

Ersatzteile
Spare Parts

Aufnahme Adaptor	**Kugelspritzdüse** Coolant spray nozzle	**Spannschraube** Clamping Screw
N849.1616L.60.K1	**020.1008.2976**	**10.12.1835**







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	h	b	f	t_{max}	l_1	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

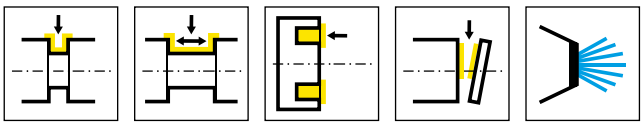
Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

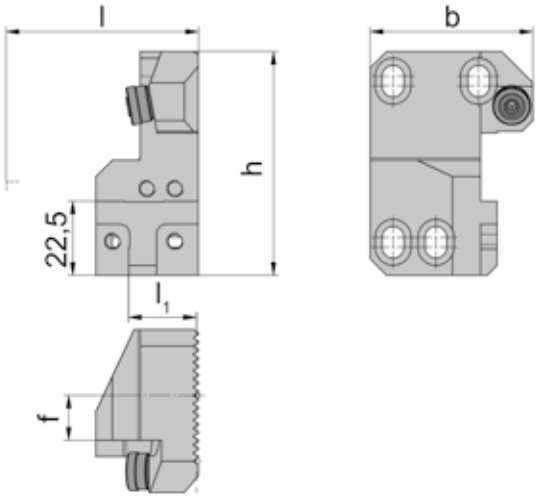
Ersatzteile
Spare Parts

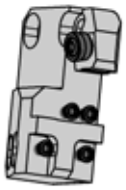
Kassette Cassette	**Kugelspritzdüse** Coolant spray nozzle	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/L849.0226.00....	**020.1008.2976**	**6.23T25P**	**T25PQ**

Kassettenaufnahme
Adapter for cassettes

849







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	h	b	f	l_1	l	HWS	HMS
R849.0220R.41.00	68	65,5	30,6	20,5	l_1+l_K	220001	Schütte
R849.0220R.49.00	68	49,5	13,6	14,5	l_1+l_K	220001	Schütte
L849.0220L.41.00	68	65,5	30,6	20,5	l_1+l_K	220002	Schütte
L849.0220L.49.00	68	49,5	13,6	14,5	l_1+l_K	220002	Schütte

Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

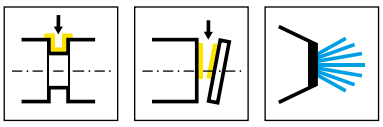
lK siehe Kassetten
lK see cassettes

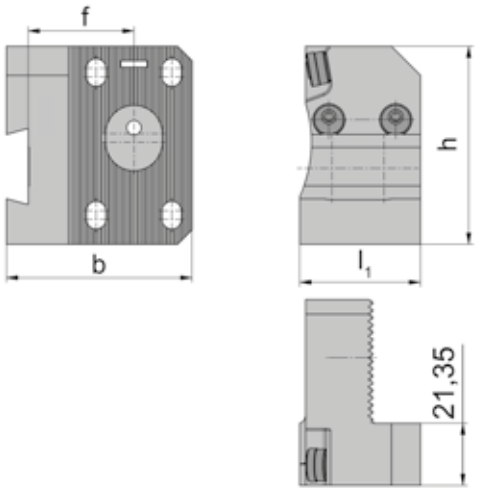
Ersatzteile
Spare Parts

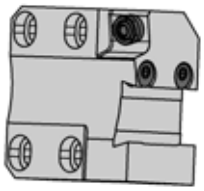
Kassettenaufnahme Adapter for cassettes	**Spannschraube** Clamping Screw	**Kugelspritzdüse** Coolant spray nozzle	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/L849.0220R/L....	**5.12T20P**	**020.1008.2976**	**T20PQ**

Schwertaufnahme
Adaptor for blades

849







D

Bestellnummer Part number	h	b	f	l_1	HMS
R849.2608R.13.00	68	63,8	36,3	41,5	Schütte

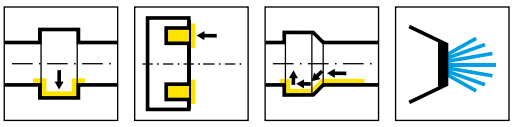
Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

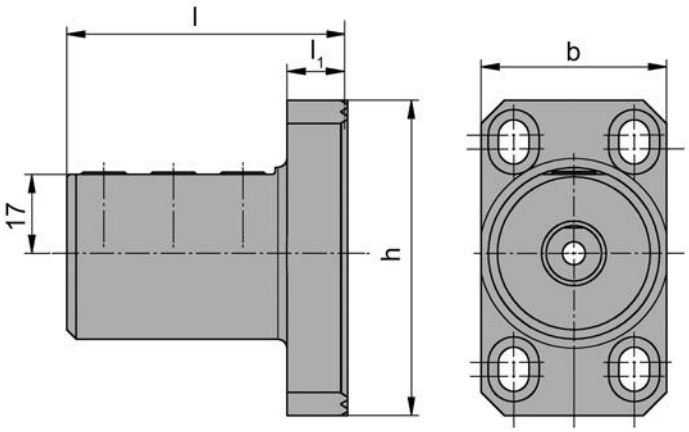
Ersatzteile
Spare Parts

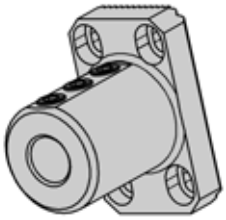
Schwertaufnahme Adaptor for blades	**Spannschraube** Clamping Screw	**Kugelspritzdüse** Coolant spray nozzle
R849.2608R.13.00	**6.25.912**	**020.1008.2977**

Bohrstangen-Aufnahme
Adaptor for boring bars

N849





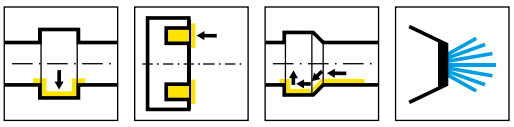


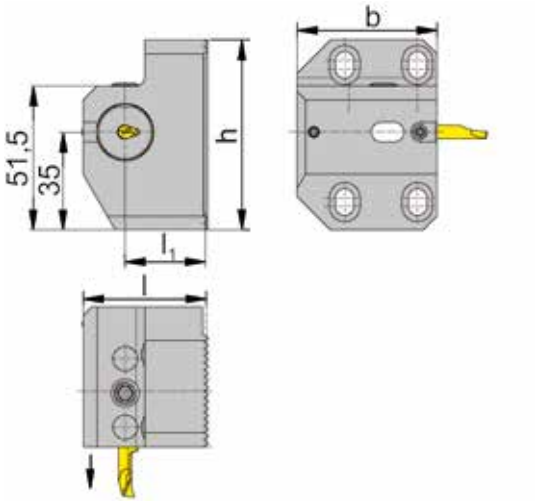
Bestellnummer Part number	h	b	l_1	l	Klemmhalter Toolholder	HMS
N849.0012N.60.K1	68	40	12,45	60	B105.0012...	Schütte

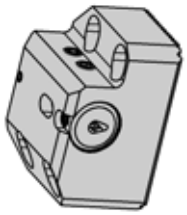
Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

Bohrstangen-Aufnahme
Adaptor for boring bars

849







Länge einstellbar + 2 mm
Lenght adjustable + 2 mm

Bestellnummer Part number	h	b	l_1	l	Klemmhalter Toolholder	HWS	HMS
R849.0012R.50.K2	68	50	29	40	B105.0012.0351	105123 • 105124 • 105125	Schütte
R849.0016R.50.K2	68	50	29	40	B105.0016.0352	105123 • 105124 • 105125	Schütte
R849.0020R.50.K2	68	50	29	40	B105.0020.0325	105123 • 105124 • 105125	Schütte

Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

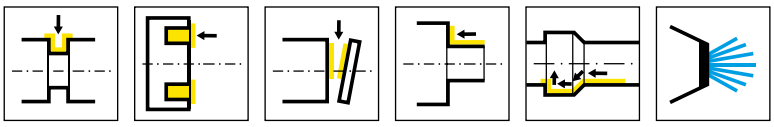
Die Bohrstangen sind nicht im Lieferumfang enthalten - bitte separat bestellen!
Boring bars are not included - separate order required!

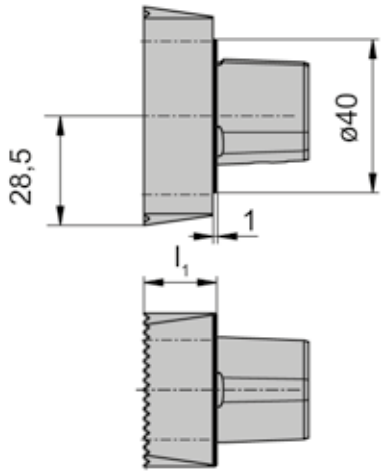
Ersatzteile
Spare Parts

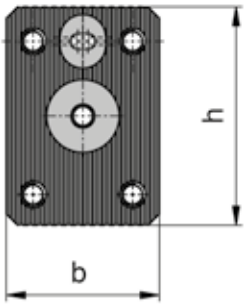
Bohrstangen-Aufnahme Adaptor for boring bars	**Spannschraube** Clamping Screw
R849.00...	**030.5060.0596**
R849.0020R.50.K2	**030.1008.0648**

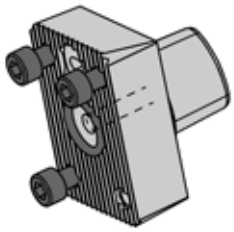
Grundhalter
Basic toolholder

N850





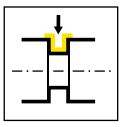


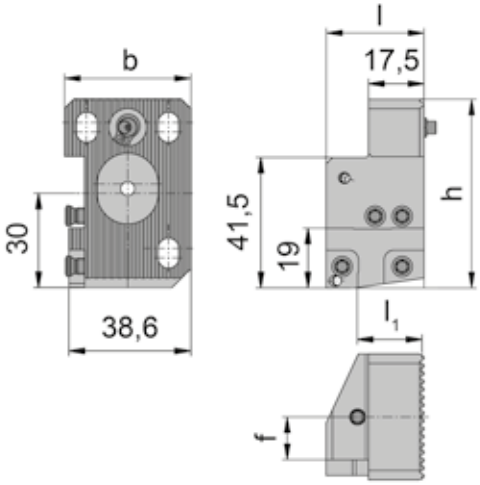


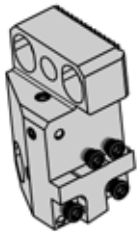
Bestellnummer Part number	h	b	l_1
N850.00C3.01	57	40	18,5
N850.00C4.01	57	40	18,5

Kassettenaufnahme
Adapter for cassettes

R850







D

Bestellnummer Part number	h	b	f	l_1	l	HWS
R850.0220R.49.00.IK	60	40	13,6	20,5	31,05	220001

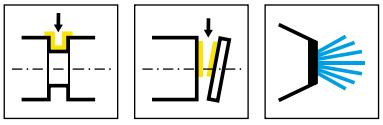
Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

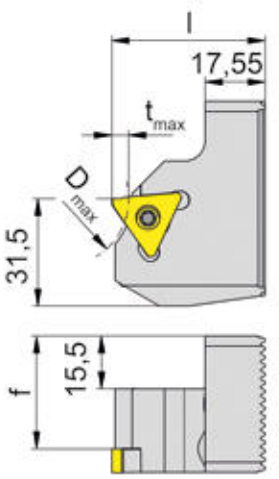
Ersatzteile
Spare Parts

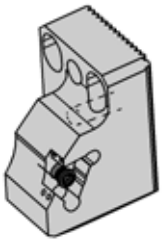
Kassettenaufnahme Adapter for cassettes	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R850.0220R.49.00.IK	**5.12T20P**	**T20PQ**

Kassette
Cassette

R850





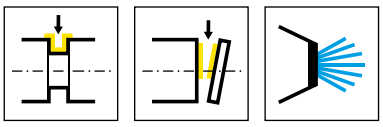


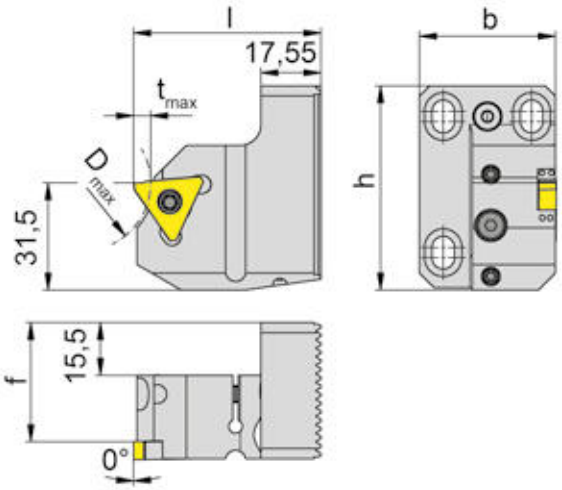
Bestellnummer Part number	t_{max}	b	f	D_{max}	l	h	HWS
R850.0315.00.07.IK	5	40	33,1	40	45	60	31507R
R850.0315.00.10.IK	5	40	29,9	40	45	60	31510R
R850.0315.00.13.IK	5	40	26,9	40	45	60	31503R

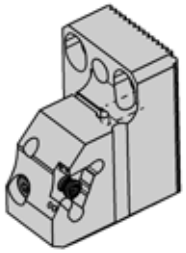
Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

Ersatzteile
Spare Parts

Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R850...	**5.15T20P**	**T20PQ**







D

Bestellnummer Part number	t_{max}	b	f	D_{max}	l	h	HWS
R850.0315.01.05.IK	5	40	34,9	40	55	60	31503R
R850.0315.01.07.IK	5	40	33,1	40	55	60	31507R
R850.0315.01.10.IK	5	40	29,9	40	55	60	31510R
R850.0315.01.13.IK	5	40	26,9	40	55	60	31503R

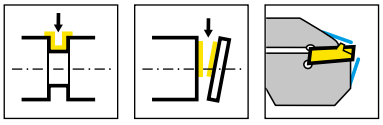
Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

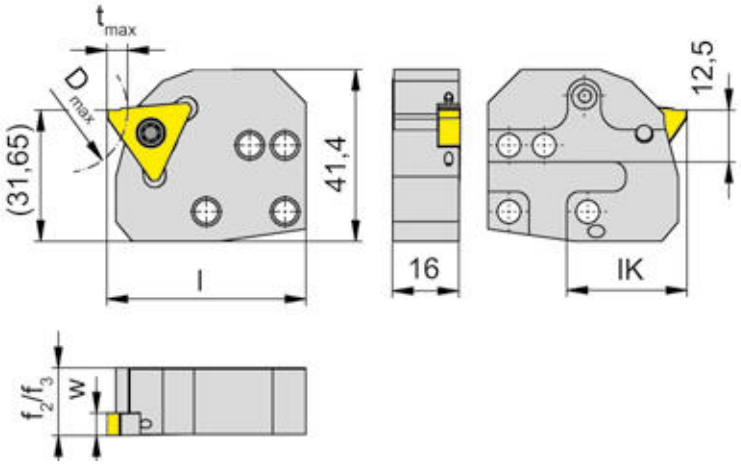
Ersatzteile
Spare Parts

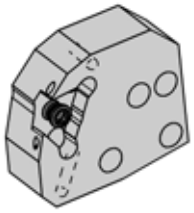
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R850.0315.01...	**5.15T20P**	**T10PL**

Kassette
Cassette

NK356







Bestellnummer Part number	t_{max}	f_3	f_2	D_{max}	l_K	HWS	HMS
RNK356.0850.4.25.IK	5	$f_3=f_2$	16,3	185	29	31507R	220001

w siehe WSP
w see indexable inserts

Ersatzteile
Spare Parts

Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
RNK356.0850.4.25.IK	**5.12T20P**	**T20PQ**

für Schütte Mehrspindler
for multi-spindle machine Schütte



für Kassette System 842
for cassette system 842



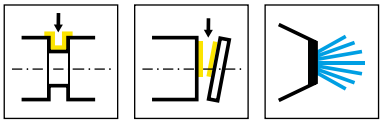
für Kassette System 840
for cassette system 840

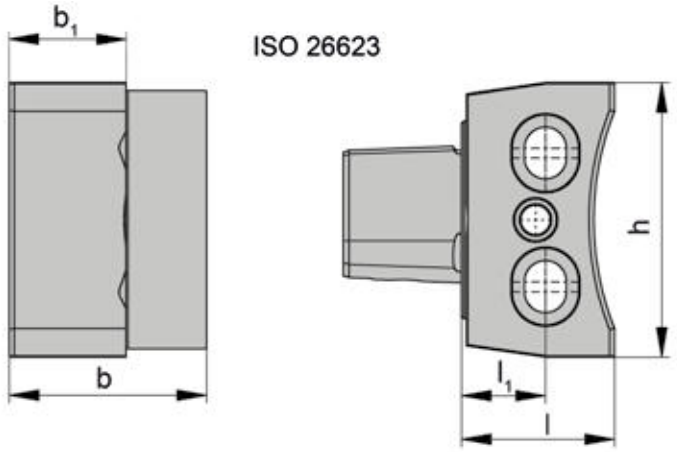


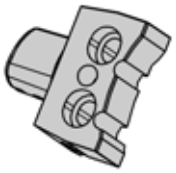
für Klemmhalter mit Quadratschaft
for toolholder with square shank

Grundhalter
Basic toolholder

969



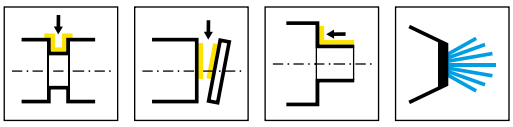


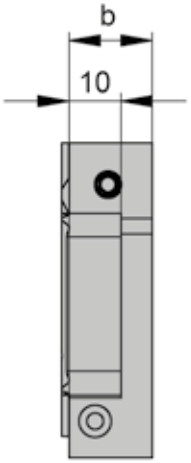


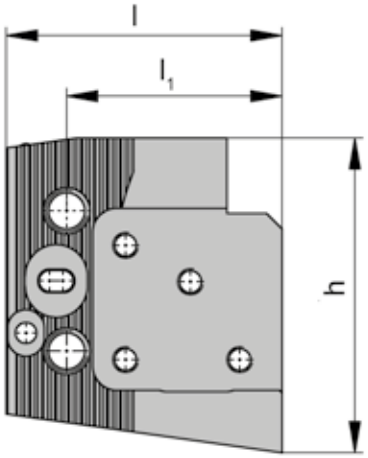
Bestellnummer Part number	l_1	l	b_1	h	b
R969.00C4.01	17	31	1000	55,5	40

Stechhaltestück
Grooving toolholder

969







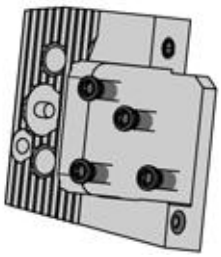


Abbildung = R969.I...

Bestellnummer Part number	l	l_1	h	b	HWS	HMS
R969.I.16.842.0050.IK	53	42	61	16	842001 • 842002	Schütte
R969.A.16.842.0050.IK	53	42	61	16	842001 • 842002	Schütte

Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

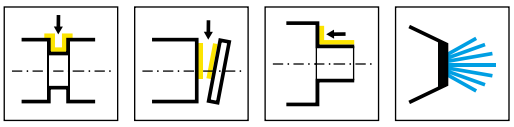
Die passenden Kassetten finden Sie im Kapitel E
For the available cassettes please see chapter E

Ersatzteile
Spare Parts

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

Stechhaltestück
Grooving toolholder

969



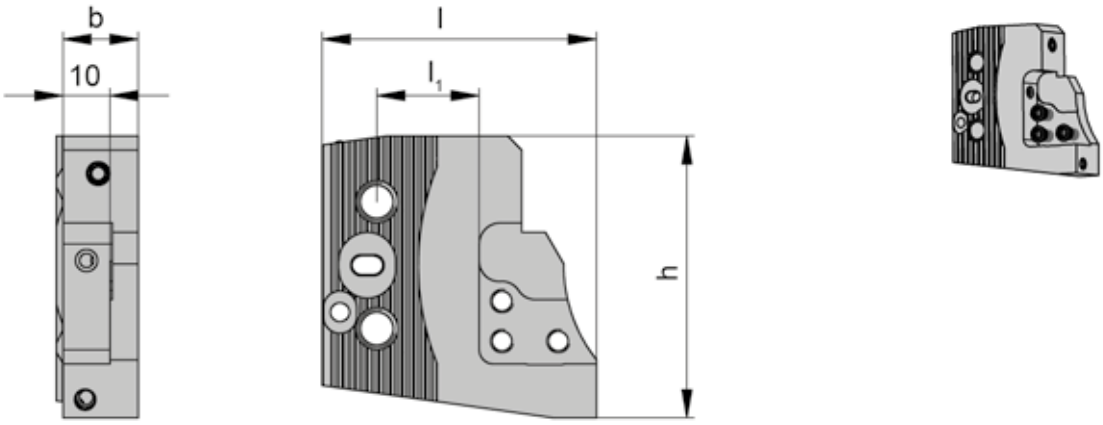


Abbildung = R969.I...

Bestellnummer Part number	l	l_1	h	b	HWS	HMS
R969.I.16.840.0040.IK	58,5	21,8	60	16	840001 • 840002	Schütte
R969.A.16.840.0040.IK	58,5	21,8	60	16	840001 • 840002	Schütte

Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

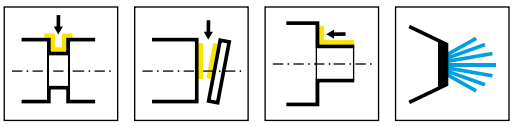
Die passenden Kassetten finden Sie im Kapitel B
For the available cassettes please see chapter B

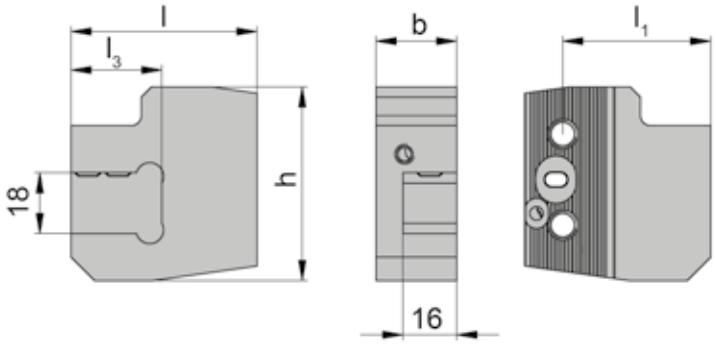
Ersatzteile
Spare Parts

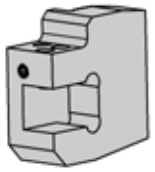
Stechhaltestück Grooving toolholder	**Spannschraube** Clamping Screw	**Kugelspritzdüse** Coolant spray nozzle	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R969...	**5.12T20P**	**020.0806.3116**	**T20PQ**

Stechhaltestück
Grooving toolholder

969







Bestellnummer Part number	l	l_1	l_3	h	b
R.969.A.24.1616.0055.IK	55,3	44	27	57,5	24

Höheneinstellbarkeit
± 1 mm
Height-adjustable
± 1 mm

D

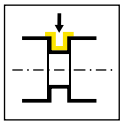


E

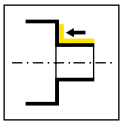
System/System	Seite/Page
842	**186**
845	**194**

Einstechen und Abstechen (außen)
Grooving and Parting off (external)

Kassette
Cassette
NK100/NK101/NK224/
K842
NK368



Seite/Page
188-191, 193



Seite/Page
192

E

842



E

Kassetten für Schnittstelle 842

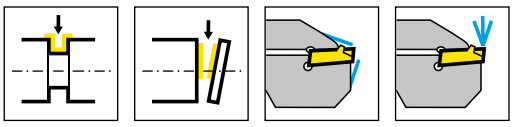
Die passenden Schneidplatten finden Sie in unserem Katalog **Stechdrehen**

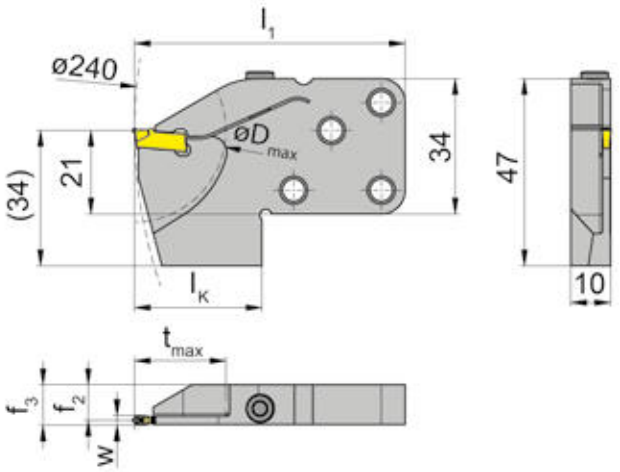
Cassettes for interface 842

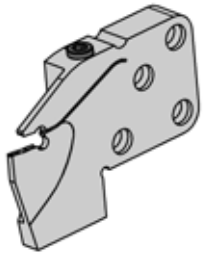
For the available inserts please see our catalogue Grooving

Kassette
Cassette

NK100







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	f_2	f_3	w	D_{max}	l_1	l_K	HWS	HMS
RNK100.0842.16.5.71.IK	17	9,2	f_2+w/2	2	34	68	32	100018	842001 • 842002
RNK100.0842.17.5.71.IK	17	9,2	f_2+w/2	2	34	76	40	100018	842001 • 842002
RNK100.0842.18.5.71.IK	17	10,2	f_2+w/2	2	34	88	52	100018	842001 • 842002
RNK100.0842.23.5.71.IK	17	9,2	f_2+w/2	2,5	46	68	34	100018	842001 • 842002
RNK100.0842.24.5.71.IK	23	9,2	f_2+w/2	2	46	76	40	100018	842001 • 842002
RNK100.0842.16.4.72.IK	17	8,95	f_2+w/2	2,5	34	68	32	100028	842001 • 842002
RNK100.0842.23.4.72.IK	23	8,95	f_2+w/2	2,5	46	68	32	100028	842001 • 842002
RNK100.0842.24.4.72.IK	23	8,95	f_2+w/2	2,5	46	76	40	100038	842001 • 842002
RNK100.0842.23.3.72.IK*	23	8,95	f_2+w/2	2,5	46	68	32	100029	842001 • 842002
LNK100.0842.16.5.71.IK	17	9,2	f_2+w/2	2	34	68	32	100018	842002 • 842001
LNK100.0842.17.5.71.IK	17	9,2	f_2+w/2	2	34	76	40	100018	842002 • 842001
LNK100.0842.18.5.71.IK	17	10,2	f_2+w/2	2	34	88	52	100018	842002 • 842001
LNK100.0842.23.5.71.IK	23	9,2	f_2+w/2	2	46	68	32	100018	842002 • 842001
LNK100.0842.24.5.71.IK	23	9,2	f_2+w/2	2	46	76	40	100018	842002 • 842001
LNK100.0842.16.4.72.IK	17	8,95	f_2+w/2	2,5	34	68	32	100028	842002 • 842001
LNK100.0842.23.4.72.IK	23	8,95	f_2+w/2	2,5	46	68	32	100028	842002 • 842001
LNK100.0842.24.4.72.IK	23	8,95	f_2+w/2	2,5	46	76	40	100028	842002 • 842001
LNK100.0842.23.3.72.IK*	23	8,95	f_2+w/2	2,5	46	68	32	100029	842002 • 842001

*Kühlmittelzufuhr durch Schneidplatte
*Coolant through insert

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

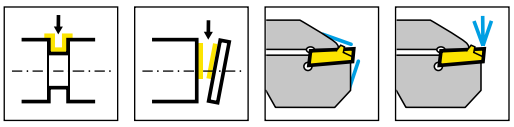
rechts/links moniterbar
right/left mountable

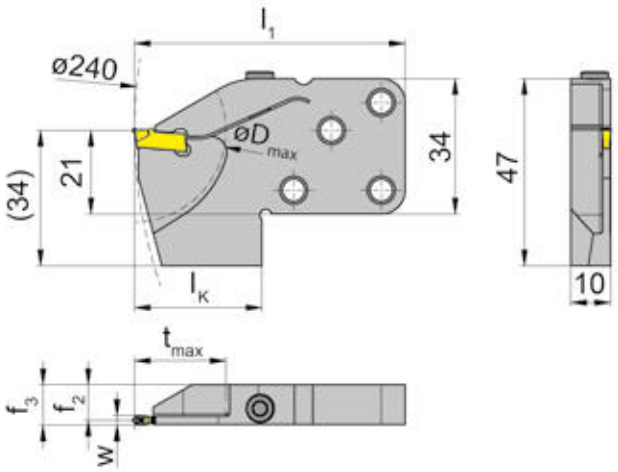
Ersatzteile
Spare Parts

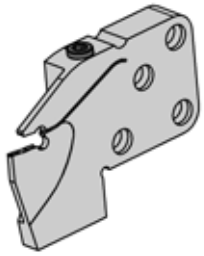
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK100...	**5.13T20P**	**T20PQ**

Kassette
Cassette

NK100







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	f_2	f_3	w	D_{max}	l_1	l_K	HWS	HMS
RNK100.0842.16.4.73.IK	17	8,7	f_2+w/2	3	34	68	32	100038	842001 • 842002
RNK100.0842.23.4.73.IK	23	8,7	f_2+w/2	3	42	68	32	100038	842001 • 842002
RNK100.0842.26.4.73.IK	27	8,7	f_2+w/2	3	54	68	32	100038	842001 • 842002
RNK100.0842.27.4.73.IK	27	8,7	f_2+w/2	3	54	76	40	100038	842001 • 842002
RNK100.0842.34.4.73.IK	34	8,7	f_2+w/2	3	68	76	40	100038	842001 • 842002
RNK100.0842.34.4.74.IK*	34	8,2	f_2+w/2	4	68	76	40	100048	842001 • 842002
RNK100.0842.34.3.73.IK*	34	8,7	f_2+w/2	3	68	76	40	100039	842001 • 842002
LNK100.0842.16.4.73.IK	17	8,7	f_2+w/2	3	34	68	32	100038	842002 • 842001
LNK100.0842.23.4.73.IK	23	8,7	f_2+w/2	3	42	68	32	100038	842002 • 842001
LNK100.0842.26.4.73.IK	27	8,7	f_2+w/2	3	54	68	32	100038	842002 • 842001
LNK100.0842.27.4.73.IK	27	8,7	f_2+w/2	3	54	76	40	100038	842002 • 842001
LNK100.0842.34.4.73.IK	34	8,7	f_2+w/2	3	68	76	40	100038	842002 • 842001
LNK100.0842.34.4.74.IK	34	8,2	f_2+w/2	4	68	76	40	100048	842002 • 842001
LNK100.0842.34.3.73.IK*	34	8,7	f_2+w/2	3	68	76	40	100039	842002 • 842001
LNK100.0842.34.3.74.IK*	34	8,2	f_2+w/2	4	68	76	40	100049	842002 • 842001

*Kühlmittelzufuhr durch Schneidplatte
*Coolant through insert

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

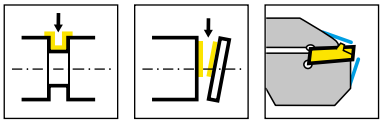
rechts/links moniterbar
right/left mountable

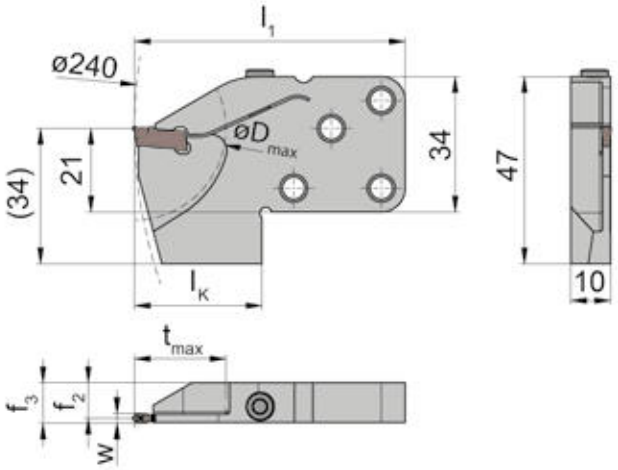
Ersatzteile
Spare Parts

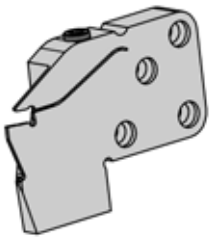
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK100.0842...	**5.13T20P**	**T20PQ**

Kassette
Cassette

NK101







E

R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer 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.

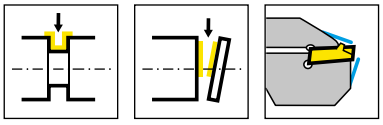
rechts/links moniterbar
right/left mountable

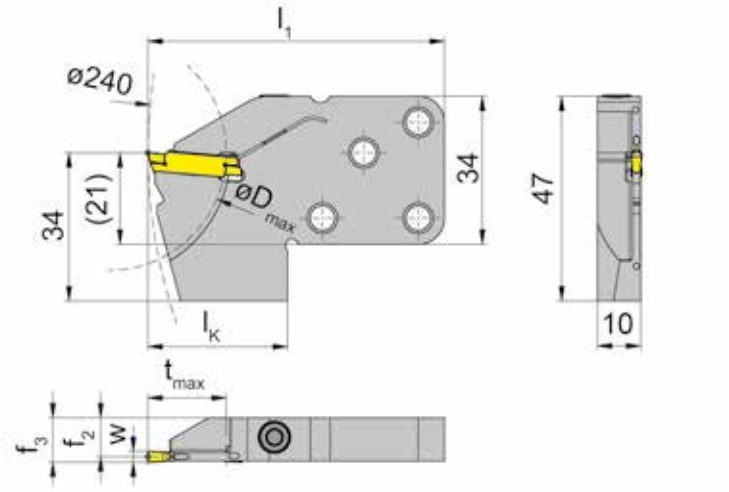
Ersatzteile
Spare Parts

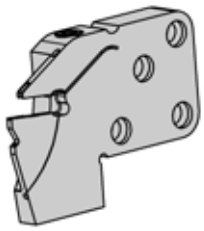
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK101...	**5.13T20P**	**T20PQ**

Kassette
Cassette

NK224







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	f_2	f_3	w	D_{max}	l_1	l_K	HWS	HMS
RNK224.0842.18.5.71.IK	18	9,2	f_2+w/2	2	54	68	32	224018	842001 • 842002
RNK224.0842.18.4.72.IK	18	8,95	f_2+w/2	2,5	54	68	32	224028	842001 • 842002
RNK224.0842.18.4.73.IK	18	8,7	f_2+w/2	3	54	68	32	224038	842001 • 842002
LNK224.0842.18.5.71.IK	18	9,2	f_2+w/2	2	54	68	32	224018	842002 • 842001
LNK224.0842.18.4.72.IK	18	8,95	f_2+w/2	2,5	54	68	32	224028	842002 • 842001
LNK224.0842.18.4.73.IK	18	8,7	f_2+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 seperate order required.

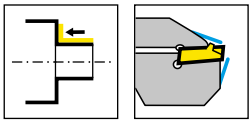
rechts/links moniterbar
right/left mountable

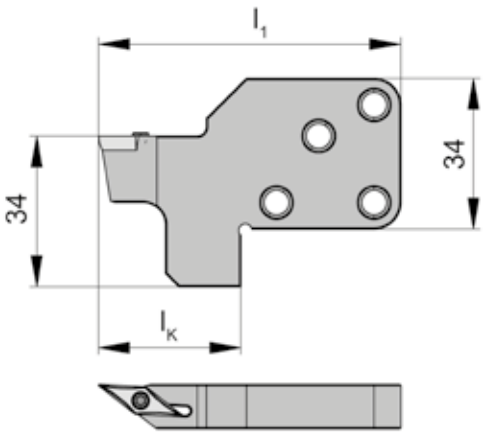
Ersatzteile
Spare Parts

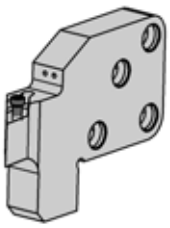
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK224...	**5.13T20P**	**T20PQ**

Kassette
Cassette

K842







E

L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

Bestellnummer Part number	l_1	l_K	HMS
RK842.SDJCR.07.1.2.IK	68	32	842001 • 842002
RK842.SVJCR.11.1.2.IK	68	32	842001 • 842002
LK842.SDJCL.07.1.2.IK	68	32	842002 • 842001
LK842.SVJCL.11.1.2.IK	68	32	842002 • 842001

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

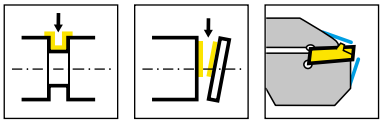
rechts/links moniterbar
right/left mountable

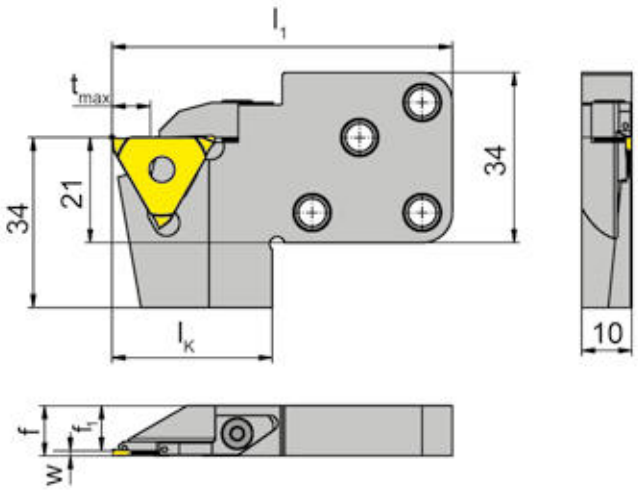
Ersatzteile
Spare Parts

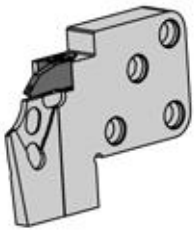
Kassette Cassette	**Spannschraube** Clamping Screw
RK842.SDJCR.07.1.2.IK	**001.01.01**
LK842.SDJCL.07.1.2.IK	**001.01.01**
RK842.SVJCR.11.1.2.IK	**001.01.08**
LK842.SVJCL.11.1.2.IK	**001.01.08**

Kassette
Cassette

NK368







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	f	f_1	l_1	l_K	HWS	HMS
RNK368.0842.4.01.IK	8	f_1+w+a_1	9	68	32	31208N	842001 • 842002
RNK368.0842.4.02.IK	8	f_1+w+a_1	8,7	68	32	31211N	842001 • 842002
LNK368.0842.4.01.IK	8	f_1+w+a_1	9	68	32	31208N	842002 • 842001
LNK368.0842.4.02.IK	8	f_1+w+a_1	8,7	68	32	31211N	842002 • 842001

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

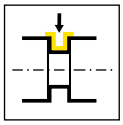
rechts/links moniterbar
right/left mountable

Ersatzteile
Spare Parts

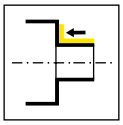
Kassette Cassette	**Spannelement** Clamping element	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK368.0842...IK	**010.0004.0586**	**T10PL**
RNK368.0842.4.02.IK	**010.0004.0620**	**T10PL**

Einstechen und Abstechen (außen)
Grooving and Parting off (external)

Kassette
Cassette
NK100/NK101/NK224/
NK229
K845



Seite/Page
196-199, 201



Seite/Page
200

E

845



E

Kassetten für Schnittstelle 845

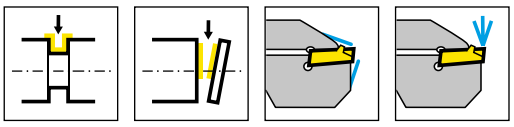
Die passenden Schneidplatten finden Sie in unserem Katalog **Stechdrehen**

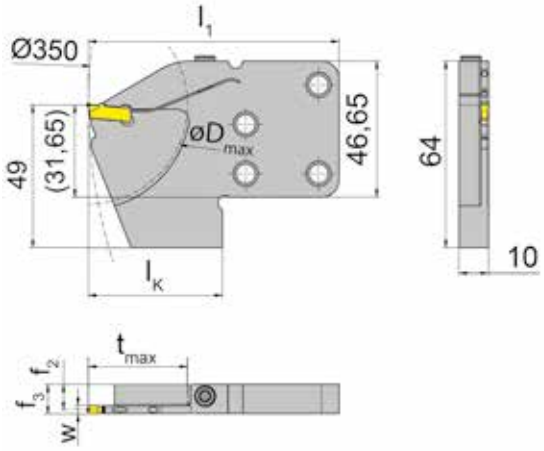
Cassettes for interface 845

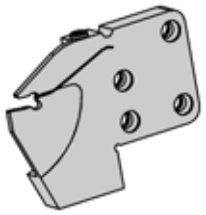
For the available inserts please see our catalogue Grooving

Kassette
Cassette

NK100







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	f_2	f_3	w	D_{max}	l_1	l_K	HWS	HMS
RNK100.0845.17.5.71.IK	17	8,2	f_2+w/2	2	44	78	38	100018	845001 • 845002
RNK100.0845.22.4.72.IK	22	8,95	f_2+w/2	2,5	44	78	38	100028	845001 • 845002
RNK100.0845.26.4.73.IK	26	8,7	f_2+w/2	3	52	78	38	100038	845001 • 845002
RNK100.0845.34.4.73.IK	34	8,7	f_2+w/2	3	68	86	46	100038	845001 • 845002
RNK100.0845.36.4.73.IK	34	8,7	f_2+w/2	3	68	106,5	66,5	100038	845001 • 845002
RNK100.0845.42.4.73.IK	42	8,7	f_2+w/2	3	84	94	54	100038	845001 • 845002
RNK100.0845.34.4.74.IK	34	8,2	f_2+w/2	4	68	86	46	100048	845001 • 845002
RNK100.0845.42.4.74.IK	42	8,2	f_2+w/2	4	84	94	54	100048	845001 • 845002
RNK100.0845.46.4.74.IK	46	8,2	f_2+w/2	4	92	97	57	100048	845001 • 845002
RNK100.0845.55.4.74.IK	55	8,2	f_2+w/2	4	110	106	66	100048	845001 • 845002
RNK100.0845.22.3.72.IK*	22	8,95	f_2+w/2	2,5	44	78	38	100029	845001 • 845002
RNK100.0845.34.3.73.IK*	34	8,7	f_2+w/2	3	68	86	40	100039	845001 • 845002
RNK100.0845.42.3.74.IK*	42	8,2	f_2+w/2	4	84	94	54	100049	845001 • 845002
LNK100.0845.22.4.72.IK	22	8,95	f_2+w/2	2,5	44	78	38	100028	845002 • 845001
LNK100.0845.26.4.73.IK	26	8,7	f_2+w/2	3	52	78	38	100038	845002 • 845001
LNK100.0845.34.4.73.IK	34	8,7	f_2+w/2	3	68	86	46	100038	845002 • 845001
LNK100.0845.36.4.73.IK	34	8,7	f_2+w/2	3	68	106,5	66,5	100038	845002 • 845001
LNK100.0845.42.4.73.IK	42	8,7	f_2+w/2	3	84	94	54	100038	845002 • 845001
LNK100.0845.34.4.74.IK	34	8,2	f_2+w/2	4	68	86	46	100048	845002 • 845001
LNK100.0845.42.4.74.IK	42	8,2	f_2+w/2	4	84	94	54	100048	845002 • 845001
LNK100.0845.46.4.74.IK	46	8,2	f_2+w/2	4	92	97	57	100048	845002 • 845001
LNK100.0845.55.4.74.IK	55	8,2	f_2+w/2	4	110	106	66	100048	845002 • 845001
LNK100.0845.34.3.73.IK*	34	8,7	f_2+w/2	3	68	86	46	100039	845002 • 845001
LNK100.0845.42.3.74.IK*	42	8,2	f_2+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 seperate order required.

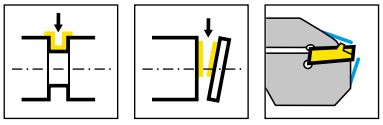
rechts/links moniterbar
right/left mountable

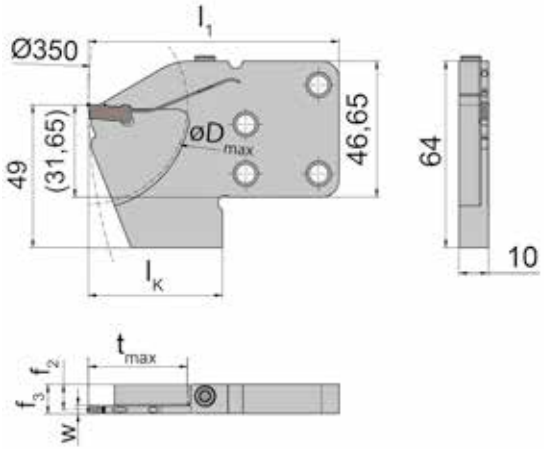
Ersatzteile
Spare Parts

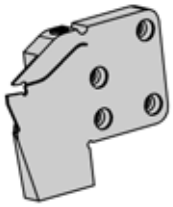
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
RNK100...	**5.13T20P**	**T20PQ**

Kassette
Cassette

NK101







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	f_2	f_3	w	D_{max}	l_1	l_K	HWS	HMS
RNK101.0845.17.5.712.IK	17	9,6	f_2+w/2	1,2	34	68	38	10112	845001 • 845002
RNK101.0845.17.5.716.IK	17	9,4	f_2+w/2	1,6	34	68	38	10116	845001 • 845002
LNK101.0845.17.5.712.IK	17	9,6	f_2+w/2	1,2	34	68	38	10112	845002 • 845001
LNK101.0845.17.5.716.IK	17	9,4	f_2+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 seperate order required.

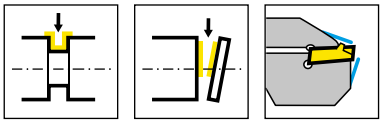
rechts/links moniterbar
right/left mountable

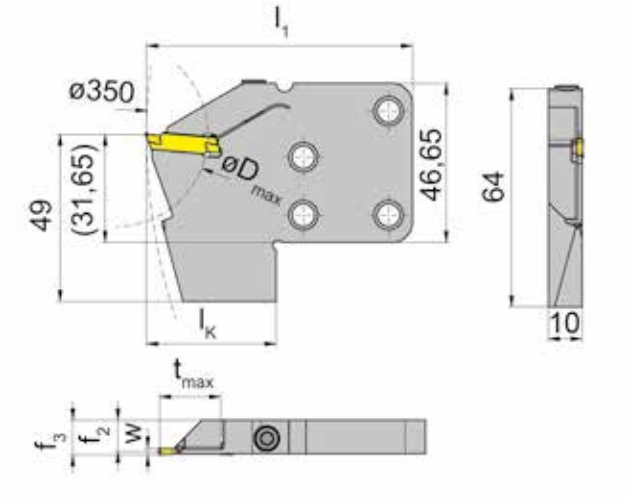
Ersatzteile
Spare Parts

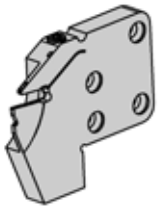
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK101...	**5.13T20P**	**T20PQ**

Kassette
Cassette

NK224







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	f_2	f_3	w	D_{max}	l_1	l_K	HWS	HMS
RNK224.0845.18.5.71.IK	18	9,2	f_2+w/2	2	54	78	38	224018	845001 • 845002
RNK224.0845.18.4.72.IK	18	8,95	f_2+w/2	2,5	54	78	38	224028	845001 • 845002
RNK224.0845.18.4.73.IK	18	8,7	f_2+w/2	3	54	78	38	224038	845001 • 845002
LNK224.0845.18.5.71.IK	18	9,2	f_2+w/2	2	54	78	38	224018	845002 • 845001
LNK224.0845.18.4.72.IK	18	8,95	f_2+w/2	2,5	54	78	38	224028	845002 • 845001
LNK224.0845.18.4.73.IK	18	8,7	f_2+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 seperate order required.

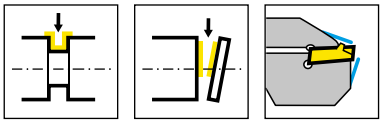
rechts/links moniterbar
right/left mountable

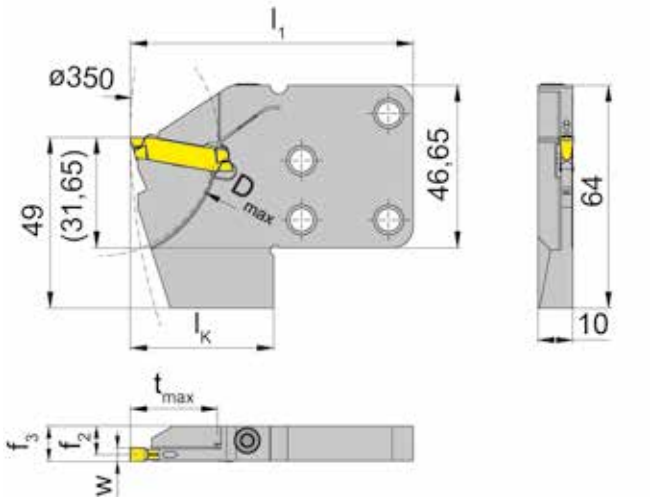
Ersatzteile
Spare Parts

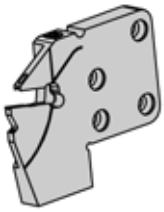
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK224...	**5.13T20P**	**T20PQ**

Kassette
Cassette

NK229







R = rechts wie gezeichnet
R = right hand version shown

L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	f_2	f_3	w	D_{max}	l_1	l_K	HWS	HMS
RNK229.0845.25.4.73.IK	25	8,7	f_2+ w/2	3	68	81	41	229030	845001 • 845002
RNK229.0845.25.4.74.IK	25	8,2	f_2+ w/2	4	68	81	41	229030 • 229040	845001 • 845002
RNK229.0845.25.4.75.IK	25	7,7	f_2+ w/2	5	68	81	41	229040	845001 • 845002
RNK229.0845.25.4.76.IK	25	7,2	f_2+ w/2	6	68	81	41	229050 • 229051	845001 • 845002
LNK229.0845.25.4.73.IK	25	8,7	f_2+ w/2	3	68	81	41	229030	845002 • 845001
LNK229.0845.25.4.74.IK	25	8,2	f_2+ w/2	4	68	81	41	229030 • 229040	845002 • 845001
LNK229.0845.25.4.75.IK	25	7,7	f_2+ w/2	5	68	81	41	229040	845002 • 845001
LNK229.0845.25.4.76.IK	25	7,2	f_2+ 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 seperate order required.

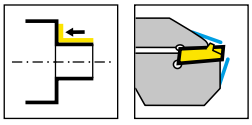
rechts/links moniterbar
right/left mountable

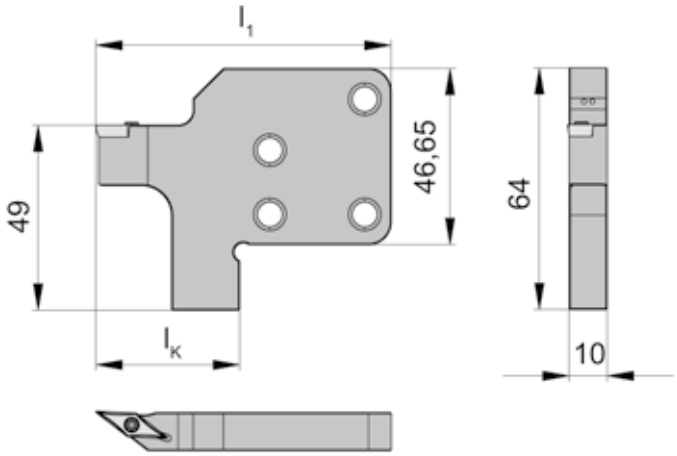
Ersatzteile
Spare Parts

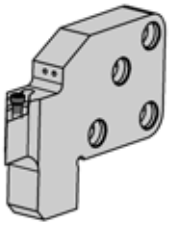
Kassette Cassette	**Spannschraube** Clamping Screw	**TORX PLUS®-Schlüssel** TORX PLUS® Wrench
R/LNK229...	**5.26T20P**	**T20PQ**

Kassette
Cassette

K845







L = links wie gezeichnet
L = left hand version shown

R = rechts spiegelbildlich
R = right hand version

Bestellnummer Part number	l_1	l_K	HMS
RK845.SDJCR.07.1.2.IK	78	38	845001 • 845002
RK845.SVJCR.11.1.2.IK	78	38	845001 • 845002
LK845.SDJCL.07.1.2.IK	78	38	845002 • 845001
LK845.SVJCL.11.1.2.IK	78	38	845002 • 845001

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

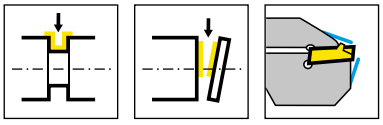
rechts/links moniterbar
right/left mountable

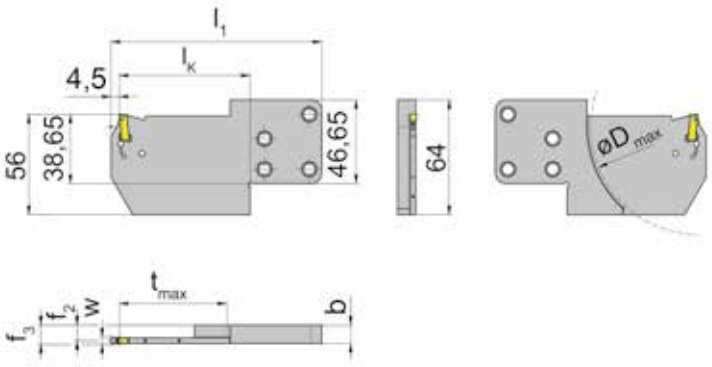
Ersatzteile
Spare Parts

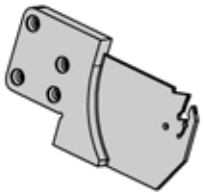
Kassette Cassette	**Spannschraube** Clamping Screw
LK845.SDJCL.07.1.2.IK	**001.01.01**
LK845.SVJCL.11.1.2.IK	**001.01.08**
RK845.SDJCR.07.1.2.IK	**001.01.01**
RK845.SVJCR.11.1.2.IK	**001.01.08**

Kassette
Cassette

NK100







E

R = rechts wie gezeichnet
R = right hand version shown

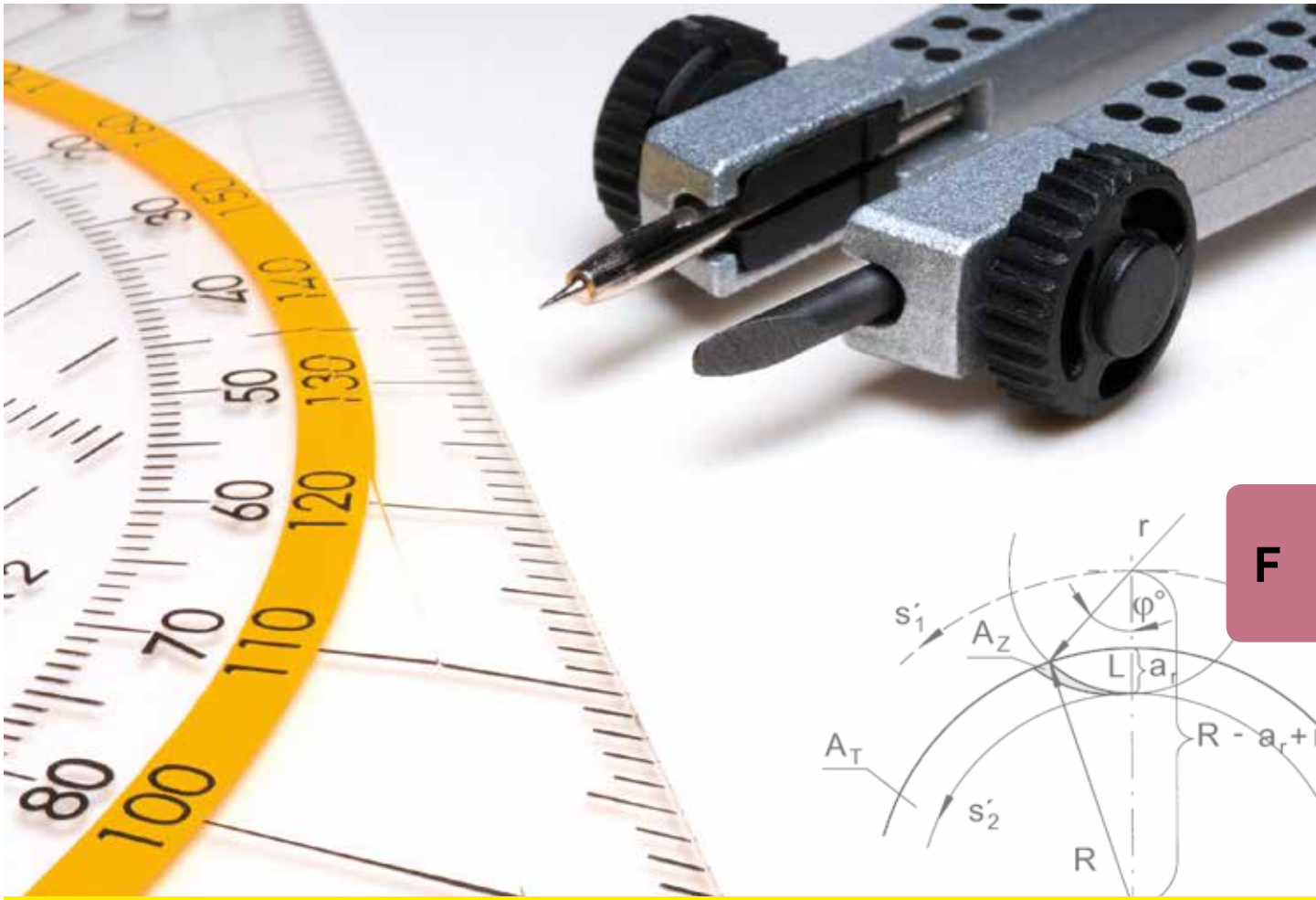
L = links spiegelbildlich
L = left hand version

Bestellnummer Part number	t_{max}	b	f_2	f_3	w	D_{max}	l_1	l_K	HWS	HMS
RNK100.0845.Y.34.4.83.IK	34	10,25	8,7	f_2+w/2	3	68	90,5	46	100038	845001 • 845002
RNK100.0845.Y.34.4.84.IK	34	10,55	8,7	f_2+w/2	4	68	90,5	46	100048	845001 • 845002
RNK100.0845.Y.60.4.83.IK	60	10,25	8,7	f_2+w/2	3	120	117,5	73	100038	845001 • 845002
RNK100.0845.Y.60.4.84.IK	60	10,55	8,7	f_2+w/2	4	120	117,5	73	100048	845001 • 845002
RNK100.0842.Y.34.4.83.IK	34	10,25	8,7	f_2+w/2	3	68	86,5	46	100038	842001 • 842002
RNK100.0842.Y.34.4.84.IK	34	10,55	8,7	f_2+w/2	4	68	86,5	46	100048	842001 • 842002
LNK100.0845.Y.34.4.83.IK	34	10,25	8,7	f_2+w/2	3	68	90,5	46	100038	845002 • 845001
LNK100.0845.Y.34.4.84.IK	34	10,55	8,7	f_2+w/2	4	68	90,5	46	100048	845002 • 845001
LNK100.0845.Y.60.4.83.IK	60	10,25	8,7	f_2+w/2	3	120	117,5	73	100038	845002 • 845001
LNK100.0845.Y.60.4.84.IK	60	10,55	8,7	f_2+w/2	4	120	117,5	73	100048	845002 • 845001
LNK100.0842.Y.34.4.83.IK	34	10,25	8,7	f_2+w/2	3	68	86,5	46	100038	842002 • 842001
LNK100.0842.Y.34.4.84.IK	34	10,55	8,7	f_2+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 tool holder - separate order required!

rechts/links moniterbar
right/left mountable



F

Inhalt/Summary

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Anzugsmomente
Torque of Screws

Nachstehende Drehmomente sind für die Spannschrauben zulässig. Wir empfehlen keine zusätzlichen Gleitmittel wie Kupferpaste oder ähnliches für die Schrauben zu verwenden.

Following torques are allowed for screws of inserts. We recommend using no additional gliding means (such as copper paste) for screws.

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

Anzugsmomente
Torque of Screws

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

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: ± 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: ± 6 %)

F



ED 28 VL

für / for
D041VL / D15VL / D28VL

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





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: Controlliertes 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.



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: ± 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: ± 6 %)



ED515QL
für / for
D515QL

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





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 precison. Color code dark green
Utilization: Controlled screw setting with definite torque in combination with Wiha torque screwdriver handle.

F



DT6K
DT8K
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: Controlliertes 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.

F



DSW15K
DSW20K
DSW25K
DSW30K
DSW40K
für / for
D041VL / D15VL / D28VL



DSW50K
DSW60K
für / for
D15QL

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



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

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