









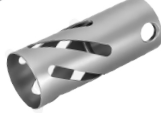





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Technische Informationen

Technical Informations

1

- Unterschiedliche Präzision zur Auswahl:
Standard:
 Rundlaufgenauigkeit < 12 µ
 (gemessen nach ISO 15488)
Ultrapräzision:
 Rundlaufgenauigkeit < 5 µ
Auf Anfrage auch Spannzangen mit einer
 Rundlaufgenauigkeit < 2 µ
 lieferbar
- Viele Zollmaße lieferbar

Achtung!

- Nicht über Nenmaß der Zange spannen
- Zangen in Muttern richtig einrasten
(Montage / Demontage der Zangen
s. Kap. 1.3)
- Möglichst die gesamte Spannlänge der
Zange nutzen

- *Different selection of precisions:*
Standard:
 Runout accuracy < 12 µ
Ultra-precision:
 Runout accuracy < 5 µ
Also available on request:
 Runout accuracy < 2 µ
- *Many inch-sizes available*

Caution!

- *Do not clamp collets over nominal size*
- *Ensure the collets are caught in the nut
(assembly and disassembly illustrated
on chapter 1.3)*
- *Use total clamping length of the collet if
possible*

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Technische Informationen

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 (gemessen nach ISO 15488)
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1

ER-Zangensätze, Zangen nach DIN 6499 B

ER-Collet Sets DIN 6499 B



Zangensatz im Kasten
Collet-set in box



Zangensatz auf Holzträger
Collet-set on wooden board

Rundlaufgenauigkeit 12 µm Runout Accuracy 12 µm

Typ type	Satz set	von-bis range	stg. step	Im Kasten in box	Auf Brett on wooden board
				Bestell-Nr. order-no.	Bestell-Nr. order-no.
ER08	9-teilig	1,0 - 5,0	0,5	ZWTER08K	ZWTER08
ER11	13-teilig	1,0 - 7,0	0,5	ZWTER11K	ZWTER11
ER16	10-teilig	1,0 - 10,0	1	ZWTER16K	ZWTER16
ER20	12-teilig	2,0 - 13,0	1	ZWTER20K	ZWTER20
ER25	15-teilig	2,0 - 16,0	1	ZWTER25K	ZWTER25
ER32	18-teilig	3,0 - 20,0	1	ZWTER32K	ZWTER32
ER40	23-teilig	4,0 - 26,0	1	ZWTER40K	ZWTER40

ER-Spannzangen DIN 6499 B

ER-Collets DIN 6499 B

Rundlaufgenauigkeit 12 µm Runout Accuracy 12 µm



Zange ER / Best.-Nr. collet ER / order-no.	stg. step	Zange ER / Best.-Nr. collet ER / order-no.	stg. step
ER08 1,0 - 5,0	0,5	ER20 1,0 - 13,0	0,5
ER11 1,0 - 7,0	0,5	ER25 1,0 - 16,0	0,5
ESX12 1,0 - 7,0	0,5	ER32 2,0 - 20,0	0,5
ER16 1,0 - 10,0	0,5	ER40 3,0	
		ER40 4,0 - 26,0	0,5

Übergrößen siehe nächste Seite!
Zollmaße lieferbar

Oversized collets next page!
Inch sizes also available

1.1 - 2

Spannzangen Collets

1

Spannzangen, Muttern, Schlüssel Collets, Nuts, Spanners

BRITSCH

Spannzeuge GmbH

ER-Spannzangen DIN 6499
ROSTFREI - Beschichtung

ER-Collets DIN 6499
STAINLESS - Coating

Kaltbeschichtet
Cold Coated

Warmbeschichtet
Warm Coated

- Sehr guter Rostschutz - *Best anti-rust protection*
- Geringster Verzug beim Beschichten - *Minimal distortion*

- Günstiger Preis - *Good price*
- Guter Rostschutz - *Good anti-rust protection*

Zangen ER
collets ER

Bestell-Nr.
order-no.

ER08 - ER40

z.B. - *e.g.*
ER20 6.0 CC

Zangen ER
collets ER

Bestell-Nr.
order-no.

ER08 - ER40

z.B. - *e.g.*
ER20 6.0 WC

Zollmaße lieferbar

Inch sizes also available

ER-Spannzangen DIN 6499 B
Übergrößen

ER-Collets DIN 6499 B
Oversized

Rundlaufgenauigkeit 12 µm
Runout Accuracy 12 µm



Zange ER / Best.-Nr. collet ER / order-no.	stg. step
ER11 7,5 - 8,0	0,5
ER16 10,5 - 12,0	0,5
ER20 13,5 - 15,0	0,5

Zange ER / Best.-Nr. collet ER / order-no.	stg. step
ER25 16,5 - 20,0	0,5
ER32 21,0 - 22,0	1
ER40 27,0 - 30,0	1

ER-Spannzangen DIN 6499 B, UP
Ultrapräzision - 5 µm Rundlauf

ER-Collets DIN 6499 B, UP
Ultra Precision - 5 µm Runout Accuracy

Rundlaufgenauigkeit 5 µm
Runout Accuracy 5 µm



Zange ER / Best.-Nr. collet ER / order-no.	stg. step
ER08UP 1,0 - 5,0	0,5
ER11UP 1,0 - 7,0	0,5
ER16UP 1,0 - 10,0	0,5
ER20UP 1,0 - 13,0	0,5

Zange ER / Best.-Nr. collet ER / order-no.	stg. step
ER25UP 1,0 - 16,0	0,5
ER32UP 2,0 - 20,0	0,5
ER40UP 3,0 - 26,0	0,5

Zollmaße lieferbar

Inch sizes also available

Abgedichtete ER-Spannzangen DIN 6499 A

Sealed ER-Collets DIN 6499 A

Rundlaufgenauigkeit 12 µm
Runout Accuracy 12 µm



Zange ER / Best.-Nr. collet ER / order-no.	stg. step	Zange ER / Best.-Nr. collet ER / order-no.	stg. step
ERS11 3,0 - 8,0	0,5	ERS25 3,0 - 16,0	0,5
ERS16 3,0 - 9,5	0,5	ERS25 18,0 / 20,0	
ERS16 10,0 - 12,0	1	ERS32 3,0 - 20,0	1
ERS20 3,0 - 14,0	0,5	ERS40 5,0 - 26,0	1

Bis 100 bar (Spezialgummi)
Zollmaße lieferbar

Up to 100 bar (special rubber seal)
Inch sizes also available

Abgedichtete ER-Spannzangen DIN 6499 A, UP Ultrapräzision - 5 µm Rundlauf

Sealed ER-Collets DIN 6499 A, UP Ultra Precision - 5 µm Runout Accuracy



Bestell-Nr. order-no.	Zange type	Ø d	stg. step
ERS16UP	ER16	3,0 - 10,0 1/8" / 3/16" / 1/4" / 5/16" / 3/8"	1
ERS20UP	ER20	3,0 - 12 1/8" / 3/16" / 1/4" / 5/16" / 3/8 / 7/16" / 1/2"	1
ERS25UP	ER25	3,0 - 16,0 1/8" / 3/16" / 1/4" / 5/16" / 3/8 / 7/16" 1/2" / 9/16" / 5/8"	0,5
ERS32UP	ER32	3,0 - 20,0 3/16" / 1/4" / 5/16" / 3/8 / 7/16" 1/2" / 9/16" / 5/8" / 3/4"	1
ERS40UP	ER40	6,0 - 22,0 / 25,0	2

Bis 100 bar (Spezialgummi)

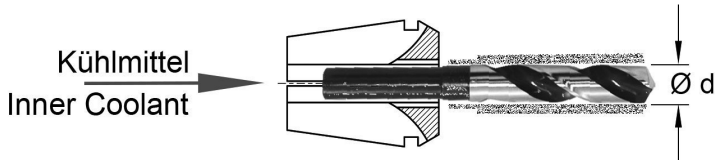
Up to 100 bar (special rubber seal)

Bestell-Nr. - Beispiele: ERS16UP 6,0 od. ERS16UP 1/4"
Order-no. - examples:

ER-Spannzangen DIN 6499 A
 mit Kühlmittelbohrungen

ER-Collets DIN 6499 B
 for Coolant Through Spread Holes

Rundlaufgenauigkeit 12 µm
Runout Accuracy 12 µm



- Der Kühlmittelaustritt ist direkt am Schaft des Werkzeugs

The coolant flow is directly next to the shank

- Es sollten nur Werkzeugschäfte mit Nennmaß gespannt werden

Coolant collets do not have a collapsing range

Bestell-Nr. order-no.	Zange collet	Ø d	stg. step
ERC11JET	ER11	3,0 - 8,0	0,5
ERC16JET	ER16	3,0 - 10,0	0,5
ERC20JET	ER20	3,0 - 12,0	0,5
ERC25JET	ER25	3,0 - 16,0	0,5
ERC32JET	ER32	3,0 - 20,0	1
ERC40JET	ER40	6,0 - 25,0	1

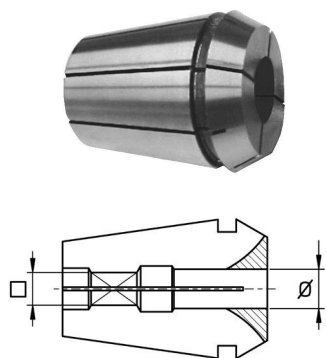
Zollmaße lieferbar

Auch in UP-Ausführung (Rundlaufgenauigkeit < 5 µm) lieferbar
Also available as type UP (runout accuracy < 5 µm)

Inch sizes also available

Gewindebohrerspannzangen DIN 6499 A
mit Vierkantmitnahme

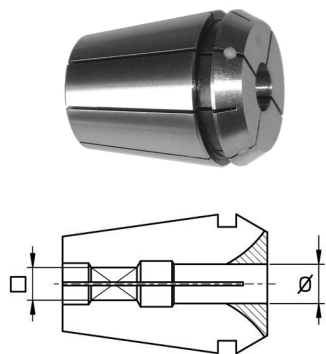
Tapping Collets DIN 6499 A
with Internal Driver Square



Bestell-Nr. order-no.	Ø / □
ERG08	2,2/1,8; 2,5/2,1; 2,8/2,1; 3,5/2,7; 4,0/3,2
ERG11	2,5/2,1; 2,8/2,1; 3,5/2,7; 4,0/3,2; 4,5/3,55; 5,0/4,0; 5,5/4,5; 6,0/5,0; 6,3/5,0
ERG16	2,5/2,1; 2,8/2,1; 3,5/2,7; 4,0/3,2; 4,5/3,55; 5,0/4,0; 5,5/4,5; 6,0/5,0; 6,3/5,0; 7,0/5,6; 7,1/5,6; 8,0/6,3; 9,0/7,1; 10,0/8,0
ERG20	2,8/2,1; 3,5/2,7; 4,0/3,2; 4,5/3,55; 5,0/4,0; 5,5/4,5; 6,0/5,0; 6,3/5,0; 7,0/5,6; 7,1/5,6; 8,0/6,3; 9,0/7,1; 10,0/8,0; 11,0/9,0; 11,2/9,0; 12,0/9,0
ERG25	2,5/2,1; 2,8/2,1; 3,5/2,7; 4,0/3,2; 4,5/3,55; 5,0/4,0; 5,5/4,5; 6,0/5,0; 6,3/5,0; 7,0/5,6; 7,1/5,6; 8,0/6,3; 9,0/7,1; 10,0/8,0; 11,0/9,0; 11,2/9,0; 12,0/9,0; 12,5/10,0; 14,0/11,2; 16,0/12,5
ERG32	3,5/2,7; 4,0/3,2; 4,5/3,55; 5,0/4,0; 5,5/4,5; 6,0/5,0; 6,3/5,0; 7,0/5,6; 7,1/5,6; 8,0/6,3; 9,0/7,1; 10,0/8,0; 11,0/9,0; 11,2/9,0; 12,0/9,0; 12,5/10,0; 14,0/11,2; 15,0/12,0; 16,0/12,5; 18,0/14,5; 20,0/16,0
ERG40	4,5/3,55; 6,0/5,0; 6,3/5,0; 7,0/5,6; 7,1/5,6; 8,0/6,3; 9,0/7,1; 10,0/8,0; 11,0/9,0; 11,2/9,0; 12,0/9,0; 12,5/10,0; 14,0/11,2; 16,0/12,5; 18,0/14,5; 20,0/16,0; 22,0/18,0; 25,0/20,0

Gewindebohrerspannzangen DIN 6499 A
mit Vierkantmitnahme, abgedichtet

Sealed Tapping Collets DIN 6499 A
with Internal Driver Square



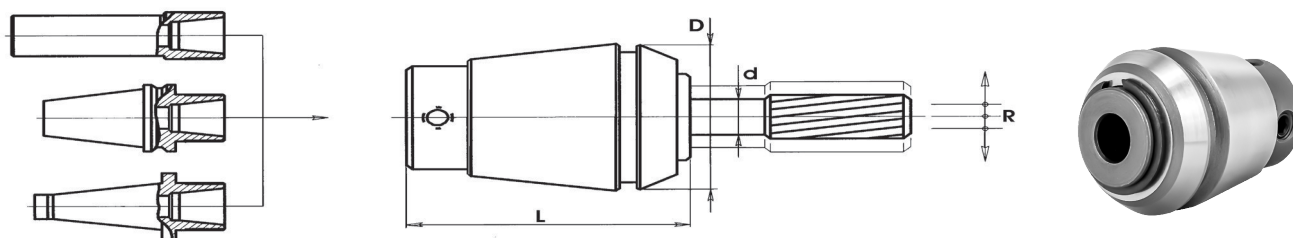
Bestell-Nr. order-no.	Ø / □
ERGS16	4,0/3,2; 4,5/3,4; 5,0/4,0; 5,5/4,3; 6,0/4,9; 7,0/5,5
ERGS20	4,0/3,0; 4,5/3,4; 5,0/4,0; 5,5/4,3; 6,0/4,9; 7,0/5,5; 8,0/6,2; 9,0/7,0; 10,0/8,0
ERGS25	4,0/3,0; 4,5/3,4; 5,0/4,0; 5,5/4,3; 6,0/4,9; 7,0/5,5; 8,0/6,2; 9,0/7,0; 10,0/8,0; 11,0/8,0; 12,0/9,0
ERGS32	4,0/3,0; 4,5/3,4; 5,0/4,0; 5,5/4,3; 6,0/4,9; 7,0/5,5; 8,0/6,2; 9,0/7,0; 10,0/8,0; 11,0/8,0; 12,0/9,0; 14,0/11,0; 16,0/12,0
ERGS40	6,0/4,9; 7,0/5,5; 8,0/6,2; 9,0/7,0; 10,0/8,0; 11,0/8,0; 12,0/9,0; 14,0/11,0; 16,0/12,0; 18,0/14,5; 20,0/16,0

Spannzangen DIN 6499
mit pendelndem Ausgleich

Floating Reamer Collets DIN 6499

1

- Spannzangen für schwimmende Halterung von Reibahlen und für starres Gewindebohren mit pendelndem Ausgleich
- Pendelnde Spannzangen ersetzen Pendelhalter
- Vorzugsweise Einsatz in angetriebenen Werkzeugen
- *Collets for floated clamping of reamers and for rigid tapping with floated adjustment*
- *Floating collets replacing a floating holder*



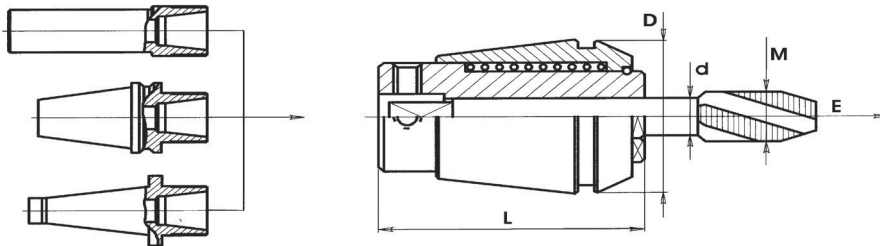
Bestell-Nr. order-no.	Zange collet	D	L	Pendelweg ges. total amplitude R of floating	Bereich - range d
ERP16	ER16	17	29	1	2 / 3 / 4 / 5 / 6 / 7
ERP16	ER16	17	29	1	1,5 / 2,5 / 3,2 / 3,5 / 3,55 / 4,5 / 5,5 / 5,6 / 6,2 / 6,3
ERP20	ER20	21	32	1	2 / 3 / 4 / 5 / 6 / 7 / 8
ERP20	ER20	21	32	1	1,5 / 2,5 / 2,8 / 3,2 / 3,5 / 3,55 / 4,5 / 5,5 / 5,6 / 6,3 / 7,1
ERP25	ER25	26	35	1,2	2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10
ERP25	ER25	26	35	1,2	1,5 / 2,5 / 2,8 / 3,2 / 3,5 / 3,55 / 4,5 / 5,5 / 5,6 / 6,3 / 7,1
ERP32	ER32	33	44	0,7	3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14
ERP32	ER32	33	44	0,7	2,5 / 3,2 / 3,5 / 3,55 / 4,5 / 5,5 / 5,6 / 6,3
ERP40	ER40	41	56	0,7	3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16
ERP40	ER40	41	56	0,7	2,5 / 3,2 / 3,5 / 3,55 / 4,5 / 5,5 / 5,6 / 6,3

**Gewindebohrerspannzangen DIN 6499
mit Längenausgleich**

**Tapping Collets DIN 6499
with Length Adjustment**

Neu: Keilwellenverzahnung! Für besonders stabiles Gewindebohren
Höheres Drehmoment
Exaktere Führung

New: Spline drive
Higher torque
Exact guiding



Bestell-Nr. order-no.	Zange collet	D	L	E	Bereich - range d
ETR11	ER11	11,5	23	5,5	0,9 / 1,4 / 1,5 / 1,6 / 1,8 / 2 / 2,2 / 2,3 / 2,5 / 2,8 / 3 / 3,15 / 3,5 / 3,55 / 4 / 4,5
ETR12	ER12	11,5	21,5	5,5	0,9 / 1,4 / 1,5 / 1,6 / 1,8 / 2 / 2,2 / 2,3 / 2,5 / 2,8 / 3 / 3,15 / 3,5 / 3,55 / 4
ETR16	ER16	17	27	7	1,4 / 1,6 / 1,8 / 2 / 2,2 / 2,5 / 2,8 / 3 / 3,15 / 3,5 / 3,55 / 4 / 4,5 / 5 / 5,5 / 5,6 / 6 / 6,1 / 6,3
ETR20	ER20	21	31	7	2,2 / 2,5 / 2,8 / 3 / 3,15 / 3,5 / 3,55 / 4 / 4,5 / 5 / 5,5 / 5,6 / 6 / 6,2 / 6,3 / 7 / 8
ETR25	ER25	26	34	8	2,5 / 2,8 / 3 / 3,15 / 3,5 / 3,55 / 4 / 4,5 / 5 / 5,5 / 5,6 / 6 / 6,2 / 6,3 / 7 / 7,1 / 8 / 8,5 / 9 / 10
ETR32	ER32	33	43	10	4,5 / 5 / 5,5 / 5,6 / 6 / 6,2 / 6,3 / 7 / 7,1 / 8 / 8,5 / 9 / 10 / 10,5 / 11 / 11,2 / 12 / 12,5 / 14
ETR40	ER40	41	54	13	4,5 / 5,5 / 5,6 / 6 / 6,2 / 6,3 / 7 / 8 / 8,5 / 9 / 10 / 10,5 / 11 / 11,2 / 12 / 12,5 / 14 / 15 / 16 / 17



OZ-Zangen DIN 6388 A / B

OZ-Collets DIN 6388 A - B

1



Zangen Form A - Einfach geschlitzt
Collets type A - single slotted

Bestell-Nr. order-no.	Zange collet	OZ-Typ OZ-type
410E 2,0 - 2,5	410E	OZ 16
410E 3,0 - 16,0	410E	OZ 16
444E 2,0 - 2,5	444E	OZ 25
444E 3,0 - 25,0	444E	OZ 25
444E 3,5 - 24,5	444E	OZ 25
450E 4,0	450E	OZ 32
450E 5,0 - 32,0	450E	OZ 32

Zangen Form B - Doppelt geschlitzt
Collets type B - double slotted

Bestell-Nr. order-no.	Zange collet	Typ type
415E 1,0 - 2,5	415E	OZ 16
415E 3,0 - 5,5	415E	OZ 16
415E 6,0 - 16,0	415E	OZ 16
462E 2,0 - 2,5	462E	OZ 25
462E 3,0 - 9,5	462E	OZ 25
462E 10,0 - 25,5	462E	OZ 25
467E 4,0 - 9,5	467E	OZ 32
467E 10,0 - 32,0	467E	OZ 32

Zangen Reihe 300 / 500

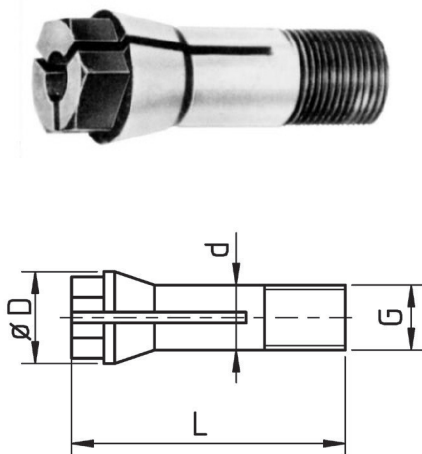
Collets Type 300 / 500



Zangen Form A - Einfach geschlitzt Collets type A - single slotted		
Bestell-Nr. order-no.	Zange collet	stg. step
355E 2,5 - 25,0	355E	0,5
385E 1,5 - 26,0	385E	0,5
503E 4,0 - 12,0	503E	1
536E 4,0 - 20,0	536E	2

Zangen Reihe 600

Collets Type 600



Zangen 6-kt-Kopf - Dreifach geschlitzt Collets hexagon head - three slots						
Zange / Best.-Nr. collet / order-no.	Bereich range	stg. step	D	L	G	d
6023E	1,0 - 3,0	0,1	6,5	20	M5x0,6	5
6043E	1,0 - 4,0	0,1	8,5	26,5	M6x0,7	6
600E	1,0 - 4,0	0,1	9	28,5	M6x0,75	6
601E	1,0 - 6,0	0,1	11	33	M8x0,75	8
603E	1,0 - 6,0	0,5	11,5	30,5	M8x0,85	8
6314E	1,0 - 8,0	0,5	14	34	M10x0,75	10
635E	1,0 - 10,0	0,5	18	34	M12x0,75	12

4-kt-Kopf gegen Aufpreis

Square head for additional fee

Zangen System Erickson DA

Collets System Erickson DA



Spannzangen Erickson DA/DK Collets Erickson DA/DK		
Bestell-Nr. order-no.	Bereich - range	stg. step
DA180 / 419E	1,0 - 20,0	0,5
DA100 / 418E	2,0 - 15,0	0,5
DA200 / 417E	1,0 - 10,0	0,5
DA300 / 416E	1,0 - 6,5	0,5
DA-supra	1,0 - 4,0	0,25

Auch Zollmaße lieferbar

Also inch sizes available

Bestell-Nr. - Beispiele: DA100 6,0 od. DA100 1/4"
Order-no. - examples:

Innenanschlage fur Druck- u. Zugspannzangen

Backstop for Collets

- Schnelle Montage und dennoch absolut fester Sitz
- Zangenschaft wird nicht deformiert; Spannverhalten wird nicht negativ beeinflusst
- Anschlagteller konnen fur Hohlteile und an kleinste Bohrungen angepasst werden
- Fur 6-kt verwendbar, egal ob 3 oder 4 Schlitzte
- Verringert Zangenbruch bei Stufenzangen

- *Easy and quick fitting*
- *Suitable for 3 or 4 slot collets*
- *Disks can be turned to any specific diameter*

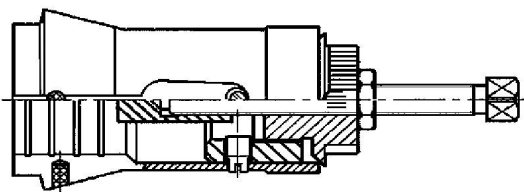


Bild 1



Bild 2

Bestell-Nr. order-no.	Fur Spannzange E-Nr. for collet E-no.	F-Nr. F-no.	Bild
HDAN-140E	140E	F22 76-71	1
HDAN-145E	145E	F25 76-64	1
HDAN-148E	148E	F28 76-93	1
HDAN-161E	161E	F32 76-221	1
HDAN-162E	162E	F35 76-67	1
HDAN-163E	163E	F35 76-94	1
HDAN-164E	164E	F38 76-72	1
HDAN-171E	171E	F42 76-99	1
HDAN-173E	173E	F48 76-81	1
HDAN-177E	177E	F56	1
HDAN-185E	185E	F66 76-359	1
HDAN-W20	349E	W20	2
HDAN-358E	358E	W23	2
HDAN-359E	359E	K23	2
HDAN-W25	364E	W25	2
HDAN-366E	366E		2
HDAN-367E	367E	B32	2
HDAN-385E	385E	B32	2
HDAN-B45	EB45	B45 72-199	1

Im Lieferumfang enthalten: 2 Anschlagteller

Supplied with: 2 discs

Technische Informationen

Technical Informations

1

■ **Montage der**

ER-Spannzangen und -Muttern:

Spannzange zuerst an der markierten Stelle der Mutter schräg mit der Nut in den Exzenterring der Mutter einhängen. In die entgegengesetzte Richtung kippen bis die Zange ganz einrastet.

Eingerastete Zange zusammen mit der Mutter in den Halter einsetzen und wenn möglich mit einem Drehmoment-Schlüssel anziehen.

■ **Achtung!**

Bei falscher Montage ist kein exakter Rundlauf gegeben. Die Montage einer nicht eingerasteten Mutter kann diese beschädigen

■ **Demontage:**

Die Zange in der abgeschraubten Mutter mit zusätzlichem Druck auf die Stirnseite in Richtung der Markierung der Mutter kippen, bis die Nut wieder ausrastet.

■ **Empfohlene Anzugsdrehmomente:**

Mutter / nut	Zange / collet	Ø [mm]	Drehmomente [Nm] / tightening torque
UM/ER	ER16	x - 10	16 - 56
	ER20	x - 13	30 - 80
	ER25	x - 16	30 - 100
	ER32	x - 20	50 - 130
	ER40	x - 26	150
ER..M	ER08	x - 5	2 - 5
	ER11	x - 7	8 - 16
	ER16	x - 10	10 - 25
	ER20	x - 13	15 - 30
	ER25	x - 16	25 - 35

■ **Assembling of
ER-collets and nuts:**

Look for the marking first. Hook the collet into the Eccentric ring of the nut first at marked point.

After hook in tilt the collet into opposite direction until the collet locks in place. Put the locked collet together with the nut on the holder and screw it down. If possible use a torque spanner.

■ **Attention!**

If the collet is incorrectly assembled it will effect a bad runout accuracy. Assembling of an unlocked nut on the holder could damage it.

■ **Disassembling:**

Unscrew the nut from the holder. Push the collet into the opposite direction of the marked point until the collet locks out.

■ **recommended tightening torque:**

Seite
Page

- 1** Muttern, ER
Nuts ER
- 2** Muttern, ER f. Dichtscheiben DSF (System Fahrion)
Sealed Nuts ER, System Fahrion
- 2** Dichtscheiben, DSF
Sealing Disks DSF
- 3** Muttern, ER f. Dichtscheiben DS/ER (System Regofix)
Sealed Nuts ER System Regofix
- 3** Dichtscheiben, DS/ER
Sealing Disks DS/ER
- 4** Dichtscheiben, DS/ER - Sets
Sealing Disks DS/ER, Sets
- 4, 5** Schnellwechsellmuttern, ER
Quick Change System Nuts ER
- 6** Überwurfmuttern, ER für Fräsdorne und Spannzangenreduktionen
Cap Nuts for Milling Arbors and Collet Reduction Sleeves
- 6** Muttern, OZ
Nuts OZ
- 6** Kugellagermuttern, OZ
Ball bearing Nuts OZ
- 6** Muttern für JACOBS-Rubber-Flex-Zangenhalter
Nuts for JACOBS-Rubber-Flex Collets

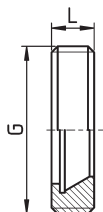
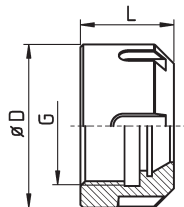
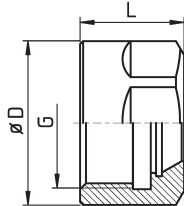
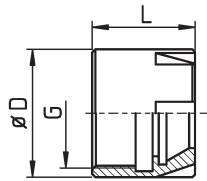
1

ER Spannmuttern DIN 6499

ER Nuts DIN 6499

Standard: Alle Muttern sind vorgewuchtet

Standard: All nuts are balanced



Bestell-Nr. order-no.	Max. Anzugsmoment max. torque [Nm]	D	L	G	Schlüssel spanners
ER08M	8	12	10,8	M10x0,75	E08M
ER11M	18	16	12	M13x0,75	E11M
ER11MS (High Speed)	18	16	12	M13x0,75	
EXP12	18	17	14	M13x0,75	GS15
ER16M	28	22	18,4	M19x1	E16M
ER20M	35	28	19	M24x1	E20M
ER25M	40	35	20	M30x1	E25M
UM/ER11	25	19	11,3	M14x0,75	GS17
EX12	25	19	14	M14x0,75	GS17
UM/ER16	50	28	17,5	M22x1,5	GS25
UM/ER20	75	34	19	M25x1,5	GS30
UX/ER16	50	28	17,5	M22x1,5	E16
UX/ER20	75	34	19	M25x1,5	E20
UM/ER25	85	42	20	M32x1,5	E25
UM/ER32	105	50	22,5	M40x1,5	E32
UM/ER40	150	63	25,5	M50x1,5	E40
ER11A	24	--	6	M18x1	E11A
ER16A	35	--	8	M24x1	E16A
ER20A	40	--	11	M28x1,5	E20A
ER25A	46	--	14	M32x1,5	E25A
ER32A	60	--	14	M40x1,5	E32A

Alle Muttern mit Super-Gliss Beschichtung

All nuts with Super-Gliss coating

1.3 - 2

Muttern + Dichtscheiben Nuts + Sealing Disks

1

Spannzangen, Muttern, Schlüssel Collets, Nuts, Spanners

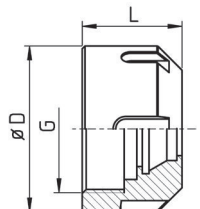


Abgedichtete Muttern, System Fahrion

Sealed Nuts, System Fahrion

ER Spannmuttern DIN 6499 / ISO 15488 für Dichtscheiben DSF

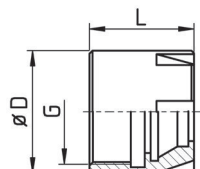
ER Nuts DIN 6499 / ISO 15488 for Sealing Disks DSF



Bestell-Nr. order-no.	Max. Anzugsmoment max. torque [Nm]	Max. Drehzahl max. rotation speed [1/min]	D	L	G
ER16-DSF	50	15.000	32	22	M22x1,5
ER20-DSF	75	15.000	35	23,2	M25x1,5
ER25-DSF	85	15.000	42	24,7	M32x1,5
ER32-DSF	105	15.000	50	27	M40x1,5
ER40-DSF	150	15.000	63	30,7	M50x1,5

ER Minimuttern für Dichtscheiben DSF

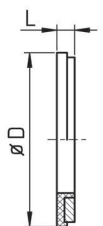
ER Mini-Nuts for Sealing Disks DSF



Bestell-Nr. order-no.	Max. Anzugsmoment max. torque [Nm]	Max. Drehzahl max. rotation speed [1/min]	D	L	G
ER16M-DSF	28	20.000	22	22	M19x1
ER20M-DSF	35	10.000	28	22	M24x1
ER25M-DSF	40	8.000	35	22	M30x1

Dichtscheiben DSF

Sealing Disks DSF



Bestell-Nr. order-no.	D	L	Bereich von - bis range	stg. step	Überbrückung bypassing
DSF16	12,6		1,0 - 10,0 1/8", 3/16", 1/4", 5/16", 3/8"	0,5	
DSF20	15,8		2,0 - 13	0,5	
DSF25	20,2		2,0 - 16	0,5	
DSF32	26,2	2	2,0 - 20 1/8", 3/16", 1/4", 5/16" 3/8", 1/2", 5/8", 3/4"	0,5	+0,4 / -0,1
DSF40	34,2		3,0 - 30 1/8", 3/16", 1/4", 5/16", 3/8" 1/2", 5/8", 3/4", 7/8", 1"	0,5	

Abgedichtete Muttern, System Regofix

Sealed Nuts, System Regofix

ER Spannmuttern DIN 6499 / ISO 15488 für Dichtscheiben DS/ER

ER Nuts DIN 6499 / ISO 15488
for Sealing Disks DS/ER

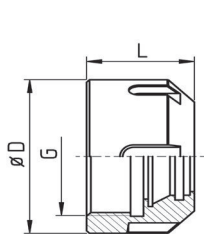


Bild 1

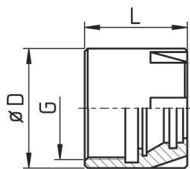


Bild 2

Bestell-Nr. order-no.	Max. Anzugsmoment max. torque [Nm]	Bild	D	L	G
ERC16	70	1	28	22,5	M22x1,5
ERC20	100	1	34	24,0	M25x1,5
ERC25	130	2	42	25,0	M32x1,5
ERC32	170	2	50	27,5	M40x1,5
ERC40	220	2	63	30,5	M50x1,5

ER Minimuttern für Dichtscheiben DS/ER

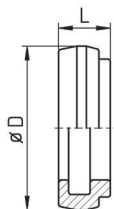
ER Mini-Nuts for Sealing Disks DS/ER



Bestell-Nr. order-no.	Max. Anzugsmoment max. torque [N/m]	D	L	G
ERC11M	20	16	14,6	M13x0,75
ERC16M	30	22	22,0	M19x1,0
ERC20M	35	28	24,0	M24x1,0
ERC25M	40	35	25,0	M30x1,0

Dichtscheiben DS/ER

Sealing Disks DS/ER

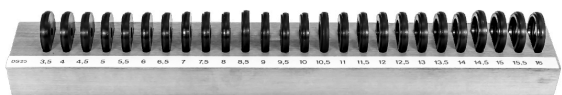


Bestell-Nr. order-no.	D	L	Bereich von - bis range	stg. step
DS/ER16	13,0	4	3,0 - 10,0	0,5
DS/ER20	16,0	4	3,0 - 13,0	0,5
DS/ER25	21,0	4	3,0 - 16,0	0,5
DS/ER32	27,0	4	3,0 - 20,0	0,5
DS/ER40	33,5	4	3,0 - 26,0	0,5

Dichtscheiben DS/ER - Sets

Sealing Disks DS/ER - Sets

1



Bestell-Nr. order-no.	Bereich von - bis range	stg. step
DS/ER16-Set 1	3,0 - 10,0	1,0
DS/ER16-Set 2	3,5 - 9,5	1,0
DS/ER20-Set 1	3,0 - 13,0	1,0
DS/ER20-Set 2	3,5 - 12,5	1,0
DS/ER25-Set 1	3,0 - 16,0	1,0
DS/ER25-Set 2	3,5 - 15,5	1,0
DS/ER32-Set 1	3,0 - 20,0	1,0
DS/ER32-Set 2	3,5 - 19,5	1,0
DS/ER40-Set 1	3,0 - 26,0	1,0
DS/ER40-Set 2	3,5 - 25,5	1,0

Schnellwechselsystem Muttern
 für Standard-Zangenaufnahmen ER / ESX 20

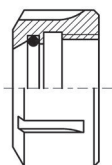
Quick Change System Nuts
 for Standard Collet Taper ER / ESX 20

- Zum exakten Voreinstellen - Wiederholgenauigkeit unter 0,01
- Schneller Werkzeugwechsel
 - 1-2 Umdrehungen der Schnellwechsellmutter genügen
- Aufnahme von Fräsdornen in ER/ESX Zangensitzen möglich
- Kein Ändern des Spindelkopfes nötig!!

- Repeatability less 0,01 mm
- One turn to release nut
- Suitable for milling arbors

Schnellwechsellmutter SM20
 Gewinde M25x1,5

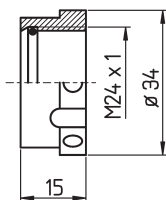
Quick change nut SM20
Thread M25x1,5



Bestell-Nr. order-no.	Ersetzt Stand.mutter replaces stand. nut	Gewinde thread
SM20	UM/ER20	M25x1,5
SM20M	ER20M	M24x1

Schnellwechsellmutter SM20M
 Gewinde M24x1,0

Quick change mini nut SM20M
Thread M24x1



Schnellwechselsystem Muttern
für Standard-Zangenaufnahmen ER / ESX 25

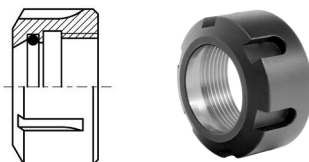
Quick Change System Nuts
for Standard Collet Taper ER / ESX 25

- Zum exakten Voreinstellen - Wiederholgenauigkeit unter 0,01
- Schneller Werkzeugwechsel
- 1-2 Umdrehungen der Schnellwechselmutter genügen
- Aufnahme von Fräsdornen in ER/ESX Zangensitzen möglich
- Kein Ändern des Spindelkopfes nötig!!

- Repeatability less 0,01 mm
- One turn to release nut
- Suitable for milling arbors

Schnellwechselmutter SM25
Gewinde M32x1,5

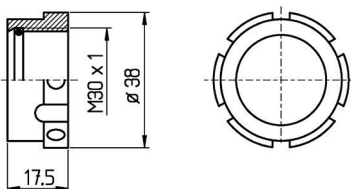
Quick change nut SM25
Thread M32x1,5



Bestell-Nr. order-no.	Ersetzt Stand.mutter replaces stand. nut	Gewinde thread
SM25	UM/ER25	M32x1,5
SM25M	ER25M	M30x1

Schnellwechselmutter SM25M
Gewinde M30x1

Quick change mini nut
SM25M
Thread M30x1



Schnellwechselsystem Muttern
für Standard-Zangenaufnahmen ER / ESX 32

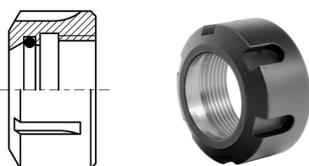
Quick Change System Nuts
for Standard Collet Taper ER / ESX 32

- Zum exakten Voreinstellen - Wiederholgenauigkeit unter 0,01
- Schneller Werkzeugwechsel
- 1-2 Umdrehungen der Schnellwechselmutter genügen
- Aufnahme von Fräsdornen in ER/ESX Zangensitzen möglich
- Kein Ändern des Spindelkopfes nötig!!

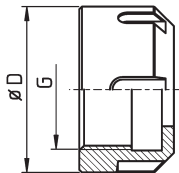
- Repeatability less 0,01 mm
- One turn to release nut
- Suitable for milling arbors

Schnellwechselmutter SM32
Gewinde M40x1,5

Quick change nut SM32
Thread M40x1,5



Bestell-Nr. order-no.	Ersetzt Stand.mutter replaces stand. nut	Gewinde thread
SM32	UM/ER32	M40x1,5

1.3 - 6**Muttern + Dichtscheiben**
*Nuts + Sealing Disks***1****Spannzangen, Muttern, Schlüssel**
*Collets, Nuts, Spanners***BRITSCH**
Spannzeuge GmbH**ER Überwurfmutter für Fräsdorne
und Spannzangenreduktionen****ER Cap Nuts for Milling Arbors
and Collet Reduction Sleeves**

Bestell-Nr. order-no.	D	Gewinde thread G	Schlüssel spanner
UF/ER08M	16	M10x0,75	GS14
UF/ER11	19	M14x0,75	GS17
UF/ER11M	19,5	M13x0,75	GS17
UF/ER16	28	M22x1,5	GS25
UF/ER16M	SW22	M19x1	GS22
UF/ER20	35	M25x1,5	GS30
UF/ER20M	28	M24x1	E20M-XX
UF/ER25	42	M32x1,5	E25
UF/ER25M	35	M30x1	E25M-XX

OZ Muttern nach DIN 6388 A-B**OZ Nuts DIN 6388****Spannmuttern DIN 6388****Nuts DIN 6388**

Bestell-Nr. order-no.	Typ type	Gewinde thread
OZ1809	Gr. 6	M14x1
OZ1820	Gr. 8	M20x1,5
OZ1821	Gr. 10	M22x1,5
OZ1822	Gr. 12	M27x1,5

Kugellagermuttern DIN6388**Ball bearing Nuts DIN 6388**

Bestell-Nr. order-no.	Typ type	Gewinde thread
OZ16	Gr. 16	M33x1,5
OZ25	Gr. 25	M48x2,0
OZ32	Gr. 32	M68x2,5
OZ40	Gr. 40	M68x2,5

Muttern für JACOBS-Rubber-Flex Spannzangen**Nuts for JACOBS-Rubber-Flex Collets**

Bestell-Nr. order-no.	für Zangen - for collets
ROZ 3157	J115 / J116 / J117
ROZ 3158	J420 - J423
ROZ 3159	J440 - J444

Schlüssel

Spanners



Schlüssel spanners	Für Muttern for nuts
E08M	ER08M
E11M	ER11M
E16M	ER16M
E20M	ER20M
E25M	ER25M
GS17	UM/ER11
GS25	UM/ER16
GS30	UM/ER20



Schlüssel spanners	Für Muttern for nuts
E16	UX/ER16
E20	UX/ER20
E25	UM/ER25
E32	UM/ER32
E40	UM/ER40
E11A	ER11A
E16A	ER16A
E20A	ER20A
E25A	ER25A
E32A	ER32A

Dünne Gabelschlüssel

Thin Spanners

- Dicke 4mm
- Für schmale Schlüsselflächen
- Exakt gearbeitet
- *Thickness 4mm*
- *For narrow key areas*
- *Exact quality*



Schlüssel spanners	Länge length	Breite width
SW27	200	58
SW30	200	62,5
SW32	200	64

Steckschlüssel

Socket Spanners

Vorteile:

- Leichtere Handhabung
- Geringere Abrutschgefahr/Verletzungsgefahr
- Bessere Erreichbarkeit der Werkzeuge
- Höheres Anzugsmoment

Advantages:

- *Easy handling*
- *Reduced risk of slipping*
- *Better access to tools*
- *Higher torque*



Schlüssel spanners
E08M-ST
E11M-ST
E16M-ST
E20M-ST
E25M-ST

1.4 - 2 Schlüssel Spanners

1 Spannzangen, Muttern, Schlüssel Collets, Nuts, Spanners

BRITSCH
Spannzeuge GmbH

Hakenschlüssel
u. a. für Muttern DIN 6388

Hook Spanners
for Nuts DIN 6388 a. o.



Best. Nr. order-no.	Typ type	Zange collet	Ges.länge total length
H16-20	Größe 16-20	400E	110
H22-26	Größe 22-26	401E	136
H28-32	Größe 28-32	404E	136
H34-36	Größe 34-36	407E	170
H45-52	Größe 45-52	410E	206
H55-62	Größe 55-62	444E	240
H68-72	Größe 68-72	450E	240
H78-85	Größe 78-85	468E	280

Ringschlüssel
für JACOBS-Rubber-Flex-Muttern

Spanners
for JACOBS-Rubber-Flex Nuts

Best. Nr. order-no.	für Mutter for Nut
STM11	ROZ3157
STM42	ROZ3158
STM44	ROZ3159

Vierkantschlüssel

Spanners with Square

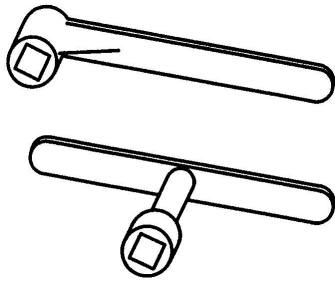


Bild 1

Bild 2

Bestell-Nr. order-no.	Vierkt. square	Höhe height	Länge length	Bild
V706.106	6	22	73	1
V706.108	8	22	83	1
V706.206	6	80	73	2
V706.208	8	85	86	2

Schlüssel für Fräsdornmuttern

Spanners for Milling Arbor Nuts

S. Kap. 3.3

in chapter 3.3

Einstellschlüssel für Pendelhalter

Adjusting Spanners for Reamer Holders

S. Kap. 6.1

in chapter 6.1

Schlüssel für Räumhalter

Spanners for Broaching Heads

S. Kap. 7.1

in chapter 7.1

Montageschlüssel für mitlaufende Spitzen

Installation Spanners for Revolving Centers

S. Kap. 13.4

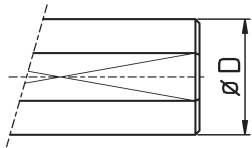
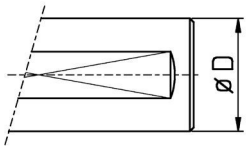
in chapter 13.4

<i>Collet Holders</i>		ER-Zangenspannfutter	2.1
<i>ER-Double Holders</i>		ER-Doppelhalter	2.2
<i>Collet Holders DIN 6388</i>		Zangenspannfutter DIN 6388	2.3
<i>Collet Holders Type 100</i>		Zangenspannfutter Reihe 100	2.4
<i>Collet Holders Type 600</i>		Zangenspannfutter Reihe 600	2.5
<i>Collet Holders for JACOBS Rubber-Flex Collets</i>		Zangenspannfutter für JACOBS Rubber-Flex Zangen	2.6

Technische Informationen

Technical Informations

- Alle Zangenspannfutter werden incl. Standard-Mutter geliefert
 - Zangenspannfutter mit "AK" werden incl. abgedichteter Mutter (System Regofix) geliefert
 - Rundlaufgenauigkeit der ER Zangenspannfutter < 5µ
 - Abkürzungen bei den Halter-Bezeichnungen:
- All collet holders will be supplied with clamping Nut (standard)
 - Tap holders with "AK" will be supplied with sealed nut type Rego-fix
 - Runout accuracy ER-collet holders < 5µ
 - List of abbreviations:

IK	axialer Kühlmittelanschluss	<i>axial inner coolant inlet</i>
AK	seitlicher (radialer) Kühlmittelanschluss	<i>radial inner coolant inlet</i>
WD	durchgehende Spannfläche	
FL	abgesetzte Spannfläche	
T	speziell für Tornos Maschinen	
OS	ohne Anschlagsschraube	
AK0	Gewinde des Kühlmittelanschlusses:	<i>Thread inner coolant inlet:</i>
		M12 x 1,5
AK1		G 1/8"
AK2		M8 x 1
AK3		M10 x 1

- Alle Halter mit Gewinde AK0 können auf AK1 - AK3 reduziert werden
- All holders with coolant inlet AK0 can be reduced to AK1 - AK3

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ER-Collet Holders Thread ER Mini
- 9 - 15 ER-Zangenspannfutter, Standard-Gewinde
ER-Collet Holders Thread ER Standard
- 15 Pinolenanschlage
ER-Collet Holder Stops
- 16 ER-Zangenspannfutter fur Doppelspindelmaschinen
ER-Collet Holders for Double Spindle Machines
- 16 ER-Zangenspannfutter mit Anschlagbund
ER-Collet Holders with Stop Flange
- 17, 18 ER-Zangenspannfutter fur Star + Maier Maschinen
ER-Collet Holders for STAR + MAIER-Machines
- 18 ER-Zangenspannfutter CNC
ER-Collet Holders CNC
- 19, 20 ER-Zangenspannfutter mit IK+AK
ER-Collet Holders with IK+AK
- 21 ER-Zangenspannfutter mit B-Kegelaufnahme
ER-Collet Holders with B-Cone
- 22 ER-Zangenspannfutter mit Morsekonus
ER-Collet Holders with Morse Taper
- 22 Austreiberlappen fur MK-Futter
Ejector Drift for MT-Holders
- 23 ER-Zangenspannfutter, Schaft mit Trapezgewinde
ER-Collet Holders, Shank with Trapezoid Thread
- 23 ER-Zangenspannfutter mit Steilkegelschaft fur GILDEMEISTER
ER-Collet Holders BT Type for GILDEMEISTER
- 24 ER-Zangenspannfutter fur CITIZEN
ER-Collet Holders CITIZEN
- 24 ER-Zangenspannfutter fur HANWHA
ER-Collet Holders HANWHA
- 24 Bohrverlangerungen mit ER-Zangenspannfutter
Drill Extensions with ER-Colletholders
- 25 Bohrpinolen fur Traub + Streicher Automaten mit ER-Zangenspannfutter
Collet Holders for Traub + Streicher Lathes
- 26 ER-Zangenspannfutter in 2 Achsen verstellbar
ER-Collet Holders 2 Axis Adjustable

2

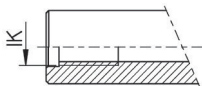
ER-Zangenspannfutter ER08M

ER-Collet Holders ER08M

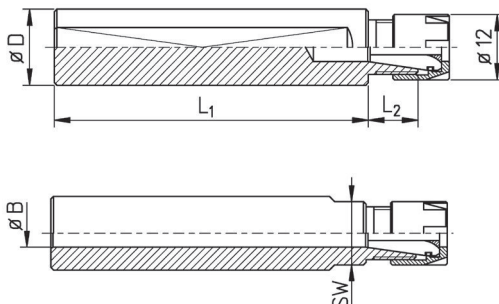
Ausführungen:

Versions:

WD: Spannfläche
WD: Clamping flat



IK: Kühlmittelanschluss
ic: Inner coolant



B: Durchgehende Bohrung / With through bore
SW: Schlüsselfläche / Spanner flat



2

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Mutter nut	Schlüssel spanner
EM080568	ER08	5	68	9	-	8	ER08M	E08M
EM080635	ER08	6	35	16	-	9	ER08M	E08M
EM080669	ER08	6	69	9	-	8	ER08M	E08M
EM080818	ER08	8	18	13	3	-	ER08M	E08M
EM080855	ER08	8	55	18	-	-	ER08M	E08M
EM080870	ER08	8	70	16	-	-	ER08M	E08M
EM0808118	ER08	8	118	16	-	8	ER08M	E08M
EM0808125	ER08	8	125	16	-	8	ER08M	E08M
EM0808125WD	ER08	8	125	16	-	8	ER08M	E08M
EM080918	ER08	9	18	-	-	-	ER08M	E08M
EM083870	ER08	3/8"	70	-	-	-	ER08M	E08M
EM081015	ER08	10	15	12	-	9	ER08M	E08M
EM081082WD	ER08	10	82	8	-	-	ER08M	E08M
EM081084	ER08	10	84	8	5	8	ER08M	E08M
EM0810118	ER08	10	118	8	-	8	ER08M	E08M
EM0810118WD	ER08	10	118	8	-	-	ER08M	E08M
EM081245	ER08	12	45	9	-	10	ER08M	E08M
EM081245WD	ER08	12	45	9	-	10	ER08M	E08M
EM081280	ER08	12	80	8	-	10	ER08M	E08M
EM081280WD	ER08	12	80	8	-	-	ER08M	E08M
EM0812125	ER08	12	125	9	-	10	ER08M	E08M
EM0812125WD	ER08	12	125	9	-	-	ER08M	E08M
EM0812137	ER08	12	137	12	5	10	ER08M	E08M
EM0812140	ER08	12	140	10	-	10	ER08M	E08M
EM0812150	ER08	12	150	10	5	10	ER08M	E08M
EM0812200	ER08	12	200	9	-	10	ER08M	E08M
EM081460	ER08	14	60	9	5	12	ER08M	E08M
EM081460WD	ER08	14	60	10	5	12	ER08M	E08M
EM081460IKWD	ER08	14	60	10	M8x1	12	ER08M	E08M
EM085830WD	ER08	5/8"	30	9	5	14	ER08M	E08M
EM085845WD	ER08	5/8"	45	11	5	14	ER08M	E08M
EM081645	ER08	16	45	14	5	-	ER08M	E08M
EM081645WD	ER08	16	45	11	5	14	ER08M	E08M
EM0816101IK	ER08	16	101	17	M7	-	ER08M	E08M

ER-Zangenspannfutter ER11M

ER-Collet Holders ER11M

Ausführungen:
Versions:

Vgl. auch S. 1
See also page 1

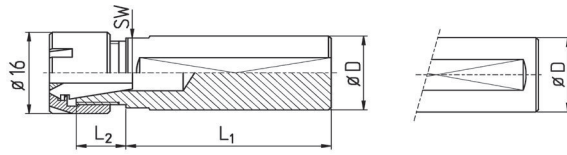


Bild 1 (WD)

Bild 2 (FL)

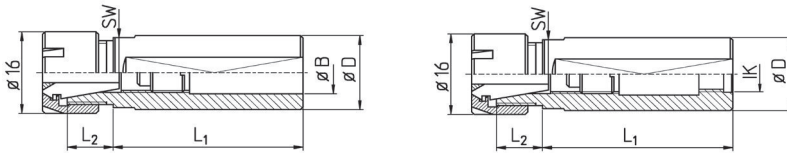


Bild 3 (B)

Bild 4 (IK)



Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EM110554	ER11	5	54	23	-	11		ER11M	E11M
EM110655	ER11	6	55	22	-	11		ER11M	E11M
EM110756	ER11	7	56	20	-	11		ER11M	E11M
EM110845	ER11	8	45	20	-	11		ER11M	E11M
EM110856	ER11	8	56	20	-	11		ER11M	E11M
EM1108100	ER11	8	100	21	-	11		ER11M	E11M
EM110929	ER11	9	29	22	-	14		ER11M	E11M
EM111059FL	ER11	10	59	21	-	11	2	ER11M	E11M
EM111060	ER11	10	60	20	-	11		ER11M	E11M
EM111080	ER11	10	80	20	-	11		ER11M	E11M
EM111080FL	ER11	10	80	21	-	11	2	ER11M	E11M
EM1110125	ER11	10	125	21	-	11		ER11M	E11M
EM1110125FL	ER11	10	125	21	-	11	2	ER11M	E11M
EM111240	ER11	12	40	18	7	11	3	ER11M	E11M
EM111240WD	ER11	12	40	18	-	11	1	ER11M	E11M
EM111280	ER11	12	80	17	-	11		ER11M	E11M
EM111280FL	ER11	12	80	17	-	11	2	ER11M	E11M
EM1112124	ER11	12	124	18	-	11		ER11M	E11M
EM1112125FL	ER11	12	125	17	-	11	2	ER11M	E11M
EM1112150	ER11	12	150	18	-	12		ER11M	E11M
EM1112150WD	ER11	12	150	18	-	11	1	ER11M	E11M
EM1113140	ER11	1/2"	140	23	-	-		ER11M	E11M
EM111420	ER11	14	20	12	7	12	3	ER11M	E11M
EM111420WD	ER11	14	20	12	-	12	1	ER11M	E11M
EM115850WD	ER11	5/8"	50	12	-	14	1	ER11M	E11M
EM115880	ER11	5/8"	80	12	7	14	3	ER11M	E11M
EM115880FL	ER11	5/8"	80	12	7	14	2 / 3	ER11M	E11M
EM1158125IKFL	ER11	5/8"	125	12	G1/8"	14	2 / 4	ER11M	E11M
EM111620	ER11	16	20	12	7	14	3	ER11M	E11M
EM111620WD	ER11	16	20	12	7	14	1 / 3	ER11M	E11M
EM111630	ER11	16	30	12	7	14	3	ER11M	E11M
EM111630WD	ER11	16	30	12	7	14	1 / 3	ER11M	E11M

ER-Zangenspannfutter ER11M

ER-Collet Holders ER11M

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EM111636IKWD	ER11	16	36	12	G1/8"	14	1 / 4	ER11M	E11M
EM111647	ER11	16	47	12	7	14	3	ER11M	E11M
EM111654	ER11	16	54	12	7	14	3	ER11M	E11M
EM111654WD	ER11	16	54	12	7	14	1	ER11M	E11M
EM111675IKWD	ER11	16	75	16	G1/8"	14	1 / 4	ER11M	E11M
EM111680	ER11	16	80	12	7	14		ER11M	E11M
EM111680IKFL	ER11	16	80	12	G1/8"	14	2 / 4	ER11M	E11M
EM1116100	ER11	16	100	13	-	14		ER11M	E11M
EM1116125	ER11	16	125	12	6	14		ER11M	E11M
EM1116125FL	ER11	16	125	12	6	14	2	ER11M	E11M
EM1116140	ER11	16	140	12	-	14		ER11M	E11M
EM1116140FL	ER11	16	140	12	-	14	2	ER11M	E11M
EM1116148IKTWD	ER11	16	148	16	G1/8"	14	1 / 4	ER11M	E11M
EM1116150	ER11	16	150	12	-	14		ER11M	E11M
EM1116150FL	ER11	16	150	12	-	14	2	ER11M	E11M
EM1116150FLB6	ER11	16	150	12	6	14	3	ER11M	E11M
EM1116160	ER11	16	160	16	7	14	3	ER11M	E11M
EM1116180	ER11	16	180	12	-	14		ER11M	E11M
EM1116220	ER11	16	220	13	-	14		ER11M	E11M
EM1116250	ER11	16	250	12	-	14		ER11M	E11M
EM111880WD	ER11	18	80	45	-	-	1	ER11M	E11M
EM1118114	ER11	18	114	11	-	-		ER11M	E11M
EM1118310	ER11	18	310	12	-	15		ER11M	E11M
EM1118310WD	ER11	18	310	12	-	15	1	ER11M	E11M
EM1119115WD	ER11	3/4"	115	12	-	-	1	ER11M	E11M
EM111950WD	ER11	3/4"	50	12	7	17	1	ER11M	E11M
EM111960WD	ER11	3/4"	60	12	7	17	1	ER11M	E11M
EM111970IK	ER11	3/4"	70	12	G1/8"	17	4	ER11M	E11M
EM111970IKFL	ER11	3/4"	70	12	G1/8"	17	2 / 4	ER11M	E11M
EM111970IKWD	ER11	3/4"	70	12	G1/8"	17	1 / 4	ER11M	E11M
EM1119100	ER11	3/4"	100	13	-	17		ER11M	E11M
EM112060IK	ER11	20	60	12	G1/8"	17		ER11M	E11M
EM112060IKWD	ER11	20	60	12	G1/8"	17	1 / 4	ER11M	E11M
EM112090IKWD	ER11	20	90	11	IK	17	1 / 4	ER11M	E11M
EM1120100	ER11	20	100	13	-	17		ER11M	E11M
EM1120100IKWD	ER11	20	100	12	G1/8"	17	1 / 4	ER11M	E11M
EM1120240	ER11	20	240	12	-	17		ER11M	E11M
EM1120240WD	ER11	20	240	12	-	17		ER11M	E11M
EM1120247	ER11	20	247	13	-	17		ER11M	E11M
EM112269IKWD	ER11	22	69	12	G1/8"	19	1 / 4	ER11M	E11M
EM112290WD	ER11	22	90	19	-	-	1	ER11M	E11M
EM112290IKOSWD	ER11	22	90	12	G1/8"	-	1 / 4	ER11M	E11M
EM112290IKOS	ER11	22	90	12	G1/8"	-	4	ER11M	E11M
EM1122120IKOSWD	ER11	22	120	12	G1/8"	-	1 / 4	ER11M	E11M
EM1122120OS	ER11	22	120	19	-	-		ER11M	E11M
EM1122120WD	ER11	22	120	12	7	19	1	ER11M	E11M
EM1132125	ER11	32	125	11	-	-		ER11M	E11M

ER-Zangenspannfutter ER16M

ER-Collet Holders ER16M

Ausführungen:
Versions:

Vgl. auch S. 1
See also page 1

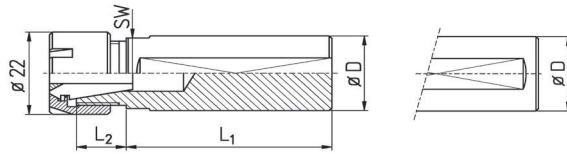


Bild 1 (WD)

Bild 2 (FL)

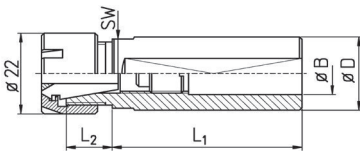


Bild 3 (B)

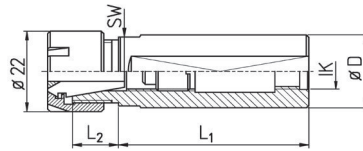


Bild 4 (IK)



Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EM160860	ER16	8	60	27	-	17		ER16M	E16M
EM161060	ER16	10	60	27	-	19		ER16M	E16M
EM161224	ER16	12	24	26	8	17	3	ER16M	E16M
EM161280	ER16	12	80	26	-	17		ER16M	E16M
EM1613140	ER16	1/2"	140	27	-	17		ER16M	E16M
EM161418IKFL	ER16	14	18	25	M8x1	17	2 / 4	ER16M	E16M
EM161530WD	ER16	15	30	25	9	17	1	ER16M	E16M
EM161590	ER16	15	90	20	-	17		ER16M	E16M
EM165835FL	ER16	5/8"	35	25	10	17	3	ER16M	E16M
EM161620FL	ER16	16	20	25	9	17	2	ER16M	E16M
EM161630	ER16	16	30	25	10	17	3	ER16M	E16M
EM161630FL	ER16	16	30	25	10	17	2	ER16M	E16M
EM161635	ER16	16	35	25	10	17	3	ER16M	E16M
EM161635FL	ER16	16	35	25	10	17	2	ER16M	E16M
EM161670	ER16	16	70	24	10	17	3	ER16M	E16M
EM161670FL	ER16	16	70	24	10	17	2	ER16M	E16M
EM161680	ER16	16	80	27	9	17	3	ER16M	E16M
EM1616100	ER16	16	100	25	9	17	3	ER16M	E16M
EM1616100FL	ER16	16	100	25	9	17	2	ER16M	E16M
EM1616150	ER16	16	150	25	6	17	3	ER16M	E16M
EM1616150FL	ER16	16	150	25	-	17	2	ER16M	E16M
EM1616160	ER16	16	160	27	9	17	3	ER16M	E16M
EM1616160FL	ER16	16	160	27	9	17	2	ER16M	E16M
EM1618110WD	ER16	18	110	12	10	17	1	ER16M	E16M
EM1618280	ER16	18	280	25	-	-		ER16M	E16M
EM1618280IK	ER16	18	280	25	G1/8"	17	4	ER16M	E16M
EM1618320WD	ER16	18	320	25	-	17	1	ER16M	E16M
EM161939IK	ER16	3/4"	39	13	1/4"	17	4	ER16M	E16M
EM161939IKFL	ER16	3/4"	39	13	1/4"	17	2 / 4	ER16M	E16M
EM161940FL	ER16	3/4"	40	13	10	17	2	ER16M	E16M
EM161950FL	ER16	3/4"	50	13	10	17	2	ER16M	E16M
EM161952IK	ER16	3/4"	52	12	G1/8"	17	4	ER16M	E16M
EM161952IKFL	ER16	3/4"	52	12	G1/4"	17	2 / 4	ER16M	E16M
EM161972IKFL	ER16	3/4"	72	14	G1/4"	17	2 / 4	ER16M	E16M
EM161972IKWD	ER16	3/4"	72	13	G1/8"	17	1 / 4	ER16M	E16M
EM161972IK	ER16	3/4"	72	14	G1/4"	17	4	ER16M	E16M
EM1619102IKFL	ER16	3/4"	102	13	G1/4"	17	2 / 4	ER16M	E16M

ER-Zangenspannfutter ER16M

ER-Collet Holders ER16M

2

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EM1619100IK	ER16	3/4"	99	16	G1/4"	17		ER16M	E16M
EM1619111	ER16	3/4"	111	14	10	17	3	ER16M	E16M
EM1619120IKFL	ER16	3/4"	120	14	G1/4"	17	2 / 4	ER16M	E16M
EM1619121IKWD	ER16	3/4"	121	12	G1/8"	17	1 / 4	ER16M	E16M
EM1619140	ER16	3/4"	140	13	10	17	3	ER16M	E16M
EM1619155	ER16	3/4"	155	17	-	-		ER16M	E16M
EM1619203	ER16	3/4"	203	12	-	17		ER16M	E16M
EM162038IK	ER16	20	38	16	G1/4"	17	4	ER16M	E16M
EM162038IKFL	ER16	20	38	16	G1/4"	17	2 / 4	ER16M	E16M
EM162038WD	ER16	20	38	16	10	17	1	ER16M	E16M
EM162050	ER16	20	50	15	10	17	3	ER16M	E16M
EM162050FL	ER16	20	50	15	10	17	2	ER16M	E16M
EM162070	ER16	20	70	15	-	-		ER16M	E16M
EM162070FL	ER16	20	70	15	10	17	2	ER16M	E16M
EM162070IKWD	ER16	20	70	15	G1/4"	17	2 / 4	ER16M	E16M
EM1620100FL	ER16	20	100	15	10	17	3	ER16M	E16M
EM1620100IKWD	ER16	20	100	15	1/8"	17	1 / 4	ER16M	E16M
EM1620120	ER16	20	120	16	10	17	3	ER16M	E16M
EM1620120FL	ER16	20	120	15	10	17		ER16M	E16M
EM1620140	ER16	20	140	15	10	17	3	ER16M	E16M
EM1620140FL	ER16	20	140	15	10	17	2	ER16M	E16M
EM1620148IK	ER16	20	148	22	G1/8"	17	4	ER16M	E16M
EM1620148IKWD	ER16	20	148	22	G1/8"	17	1 / 4	ER16M	E16M
EM1620170FL	ER16	20	170	15	10	17	2	ER16M	E16M
EM1620170	ER16	20	170	15	10	17		ER16M	E16M
EM1620200	ER16	20	200	15	9	17	3	ER16M	E16M
EM1620200FL	ER16	20	200	15	9	17	2	ER16M	E16M
EM162238WD	ER16	22	38	16	10	19	1	ER16M	E16M
EM162238IKWD	ER16	22	38	16	G1/4"	19		ER16M	E16M
EM162246WD #	ER16	22	46	15	10,5	-	3	ER16M	E16M
EM162250WD	ER16	22	50	16	10	19	1	ER16M	E16M
EM162250IKWD	ER16	22	50	16	G1/4"	19	1 / 4	ER16M	E16M
EM162270IK	ER16	22	70	16	G1/4"	19	4	ER16M	E16M
EM162270IKFL	ER16	22	70	16	G1/4"	19	2 / 4	ER16M	E16M
EM162270IKWD	ER16	22	70	16	G1/8"	19	1 / 4	ER16M	E16M
EM162290IKWD	ER16	22	90	16	G1/4"	19	1 / 4	ER16M	E16M
EM1622105IKWD	ER16	22	105	16	G1/8"	19	1 / 4	ER16M	E16M
EM1622114IKWD	ER16	22	114	16	G1/8"	19	1 / 4	ER16M	E16M
EM1622120FL	ER16	22	120	16	10	19	2	ER16M	E16M
EM1622140IKWD	ER16	22	140	16	G1/8"	19	1 / 4	ER16M	E16M
EM1622260	ER16	22	260	20	-	19		ER16M	E16M
EM162370IKWD	ER16	23	70	16	G1/4"	19	1 / 4	ER16M	E16M
EM162531WD	ER16	25	31	15	10	22	1	ER16M	E16M
EM162558IK	ER16	25	58	16	G1/4"	22	2	ER16M	E16M
EM162560FL	ER16	25	60	16	10	22	2	ER16M	E16M
EM162575IK	ER16	25	75	16	G1/4"	22		ER16M	E16M
EM162575IKWD	ER16	25	75	16	G1/4"	22	1 / 4	ER16M	E16M
EM1625100IKWD	ER16	25	100	16	G1/4"	22	1 / 4	ER16M	E16M
EM1625150IK	ER16	25	150	16	G1/4"	22	4	ER16M	E16M
EM1625150IKTWD	ER16	25	150	16	G1/4"	22	1 / 4	ER16M	E16M
EM162638WD	ER16	1"	38	16	10	22	1	ER16M	E16M
EM162638FL	ER16	1"	38	16	10	22	2	ER16M	E16M

für STAR SR20RIV (mit Bund und Nut für Dichtring)

for STAR SR20RIV (with flange and groove for sealing)

2.1 - 6

ER-Zangenspannfutter ER-Collet Holders

2

Zangenspannfutter Collet Holders

BRITSCH
Spannzeuge GmbH

ER-Zangenspannfutter ER16M

ER-Collet Holders ER16M

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EM162638	ER16	1"	38	16	10	22	3	ER16M	E16M
EM162650FL	ER16	1"	50	16	10	22	2	ER16M	E16M
EM162660	ER16	1"	60	16	10	22	3	ER16M	E16M
EM162660IKFL	ER16	1"	60	16	G1/4"	22	2 / 4	ER16M	E16M
EM162660IKWD	ER16	1"	60	16	G1/4"	22	1 / 4	ER16M	E16M
EM162665FL	ER16	1"	65	16	10	22	2	ER16M	E16M
EM162675IK	ER16	1"	75	16	G1/4"	22	4	ER16M	E16M
EM162675FL	ER16	1"	75	15	10	22	2	ER16M	E16M
EM162675IKWD	ER16	1"	75	16	G1/4"	22	1 / 4	ER16M	E16M
EM162675WD	ER16	1"	75	16	10	22	1	ER16M	E16M
EM1626100IK	ER16	1"	100	16	G1/4"	22	4	ER16M	E16M
EM1626100FL	ER16	1"	100	15	10	22	2	ER16M	E16M
EM1626100WD	ER16	1"	100	16	-	-	1	ER16M	E16M
EM1626120FL	ER16	1"	120	16	10	22	2	ER16M	E16M
EM1626150IK	ER16	1"	150	16	G1/4"	22	4	ER16M	E16M
EM1626150IKWD	ER16	1"	150	16	G1/4"	22	1 / 4	ER16M	E16M
EM162890IKWD	ER16	28	90	16	M12x1	24	1 / 4	ER16M	E16M

ER-Zangenspannfutter ER20M

ER-Collet Holders ER20M

Ausführungen:
Versions:

Vgl. auch S. 1
See also page 1

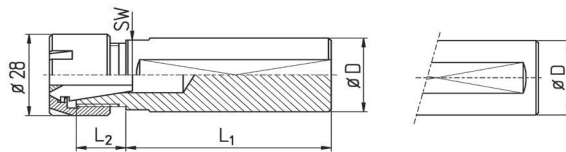


Bild 1 (WD)

Bild 2 (FL)

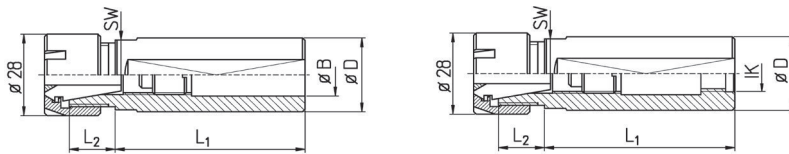


Bild 3 (B)

Bild 4 (IK)



Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EM2015100	ER20	15	100	32	-	22		ER20M	E20M
EM201650	ER20	16	50	32	11	22	3	ER20M	E20M
EM201650FL	ER20	16	50	32	11	22	2	ER20M	E20M
EM2016100	ER20	16	100	32	-	22		ER20M	E20M
EM2016100FL	ER20	16	100	32	-	22	2	ER20M	E20M
EM201865	ER20	18	65	27	13	22	3	ER20M	E20M
EM201870	ER20	18	70	28	11	22	3	ER20M	E20M
EM201950	ER20	3/4"	50	25	12	22	3	ER20M	E20M
EM201950FL	ER20	3/4"	50	25	12	22	2	ER20M	E20M
EM201970FL	ER20	3/4"	70	25	12	22	2	ER20M	E20M
EM2019125IK	ER20	3/4"	125	25	G1/8"	22	4	ER20M	E20M
EM2019125IKWD	ER20	3/4"	125	25	G1/8"	22	1 / 4	ER20M	E20M
EM202050	ER20	20	50	25	13	22	3	ER20M	E20M

ER-Zangenspannfutter ER20M

ER-Collet Holders ER20M

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EM202050FL	ER20	20	50	25	13	22	2	ER20M	E20M
EM202064IKTWD	ER20	20	64	23	M12x1,5	22	1 / 4	ER20M	E20M
EM202085IK	ER20	20	85	25	M12x1,5	22		ER20M	E20M
EM202085IKTWD	ER20	20	85	25	M12x1,5	-	1	ER20M	E20M
EM202085IKWD	ER20	20	85	25	G1/4"	22	1 / 4	ER20M	E20M
EM2020100	ER20	20	100	26	11	22		ER20M	E20M
EM2020100FL	ER20	20	100	26	12	22	2	ER20M	E20M
EM2020110IKTWD	ER20	20	110	23	M12x1,5	22	1 / 4	ER20M	E20M
EM2020150IK	ER20	20	150	25	G1/4"	22	4	ER20M	E20M
EM2020150IKWD	ER20	20	150	25	G1/4"	22	1 / 4	ER20M	E20M
EM202270IKFL	ER20	22	70	25	G1/4"	22	1 / 4	ER20M	E20M
EM202270IKWD	ER20	22	70	25	G1/4"	22	1 / 4	ER20M	E20M
EM202290	ER20	22	90	25	12	22	3	ER20M	E20M
EM202290IKWD	ER20	22	90	22	G1/4"	22	1 / 4	ER20M	E20M
EM202540FL	ER20	25	40	16	-	-	2	ER20M	E20M
EM202550FL	ER20	25	50	16	13	22	2	ER20M	E20M
EM202550	ER20	25	50	16	13	22	3	ER20M	E20M
EM202560IKWD	ER20	25	60	16	G1/4"	22	1 / 4	ER20M	E20M
EM202575WD	ER20	25	75	16	13	22	1	ER20M	E20M
EM202575FL	ER20	25	75	16	13	22	2	ER20M	E20M
EM2025100IK	ER20	25	100	27	M14x1,5	22	3	ER20M	E20M
EM2025100IKWD	ER20	25	100	16	M14x1,5	22	4	ER20M	E20M
EM2025100FL	ER20	25	100	17	13	22	2	ER20M	E20M
EM2025140IKWD	ER20	25	140	16	G1/4"	22	1 / 4	ER20M	E20M
EM2025140IK	ER20	25	140	16	G1/4"	22	4	ER20M	E20M
EM2025150IKWD	ER20	25	150	16	G1/4"	22	1 / 4	ER20M	E20M
EM2025150WD	ER20	25	150	24	-	22	1	ER20M	E20M
EM2025153IK	ER20	25	153	16	G1/4"	22	4	ER20M	E20M
EM2025169IK	ER20	25	169	16	G1/4"	22	4	ER20M	E20M
EM2025169IKWD	ER20	25	169	16	G1/4"	22	1 / 4	ER20M	E20M
EM2025198IK	ER20	25	198	17	G1/4"	22	4	ER20M	E20M
EM2025198IKWD	ER20	25	198	17	G1/4"	22	1 / 4	ER20M	E20M
EM202638	ER20	1"	38	16	13	22	3	ER20M	E20M
EM202638IKWD	ER20	1"	38	16	G1/4"	22	1 / 4	ER20M	E20M
EM202638WD	ER20	1"	38	16	13	22	1	ER20M	E20M
EM202670IKWD	ER20	1"	70	16	G1/4"	22	1 / 4	ER20M	E20M
EM202675IK	ER20	1"	75	16	13	22		ER20M	E20M
EM202675FL	ER20	1"	75	16	13	22	2	ER20M	E20M
EM202675IKWD	ER20	1"	75	16	G1/4"	22	1	ER20M	E20M
EM202682WD	ER20	1"	82	16	13	22	1	ER20M	E20M
EM2026100	ER20	1"	100	27	-	-		ER20M	E20M
EM2026100FL	ER20	1"	100	16	13	22	3	ER20M	E20M
EM2026100IK	ER20	1"	100	16	G1/4"	-	2	ER20M	E20M
EM2026100IKWD	ER20	1"	100	16	G1/4"	22	1 / 4	ER20M	E20M
EM2026139FL	ER20	1"	139	17	13	22	2	ER20M	E20M
EM2026155IK	ER20	1"	155	17	M12x1,5	22		ER20M	E20M
EM202890IKWD	ER20	28	90	17	M12x1,5	24	1 / 4	ER20M	E20M
EM203250WD	ER20	32	50	34	13	27	1	ER20M	E20M
EM203250IKWD	ER20	32	50	34	G1/4"	22	1 / 4	ER20M	E20M
EM203255IKWD	ER20	32	55	17	G1/4"	27	1 / 4	ER20M	E20M
EM203280IKWD	ER20	32	80	17	G1/4"	27	1 / 4	ER20M	E20M
EM203280WD	ER20	32	80	17	13	27	1	ER20M	E20M
EM2032101IKWD	ER20	32	101	18	G1/4"	27	1 / 4	ER20M	E20M

ER-Zangenspannfutter ER25M

ER-Collet Holders ER25M

Ausführungen:
Versions:

Vgl. auch S. 1
See also page 1

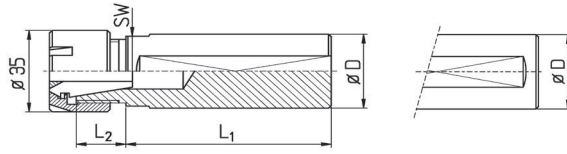


Bild 1 (WD)

Bild 2 (FL)

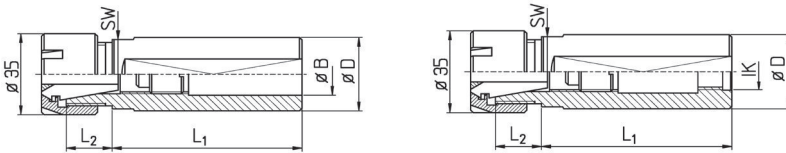


Bild 3 (B)

Bild 4 (IK)



Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EM251350	ER25	13	50	35	-	27		ER25M	E25M
EM2516100WD	ER25	16	100	36	-	27	1	ER25M	E25M
EM2516100	ER25	16	100	36	-	27		ER25M	E25M
EM251950	ER25	3/4"	50	33	12	27	3	ER25M	E25M
EM251950FL	ER25	3/4"	50	33	12	27	2	ER25M	E25M
EM251970	ER25	3/4"	70	33	13	27	3	ER25M	E25M
EM251974	ER25	3/4"	74	33	13	27	3	ER25M	E25M
EM2519100	ER25	3/4"	100	-	-	-		ER25M	E25M
EM252050	ER25	20	50	33	13	27	3	ER25M	E25M
EM252050FL	ER25	20	50	33	14	27	2	ER25M	E25M
EM252075FL	ER25	20	75	33	14	27	2	ER25M	E25M
EM2520100IK	ER25	20	100	34	-	27	1	ER25M	E25M
EM2520100WD	ER25	20	100	34	12	27	1	ER25M	E25M
EM2520150IK	ER25	20	150	33	G1/4"	-	4	ER25M	E25M
EM2520150FL	ER25	20	150	33	-	27	2	ER25M	E25M
EM2520150IKFL	ER25	20	150	33	G1/4"	27	1 / 4	ER25M	E25M
EM252275WD	ER25	22	75	33	-	27	1	ER25M	E25M
EM252550	ER25	25	50	27	17	27	3	ER25M	E25M
EM252550FL	ER25	25	50	27	17	27	2	ER25M	E25M
EM252575	ER25	25	75	27	17	27	3	ER25M	E25M
EM252575FL	ER25	25	75	27	17	27	2	ER25M	E25M
EM2525100IK	ER25	25	100	27	G1/4"	27	4	ER25M	E25M
EM2525100IKWD	ER25	25	100	27	G1/4"	27	1 / 4	ER25M	E25M
EM2525150IK	ER25	25	150	27	G1/4"	27	4	ER25M	E25M
EM2525150IKTWD	ER25	25	150	27	G1/4"	27	1 / 4	ER25M	E25M
EM2525180IKWD	ER25	25	180	27	G1/4"	27	1 / 4	ER25M	E25M
EM252675IKWD	ER25	1"	75	27	G1/4"	27	1 / 4	ER25M	E25M
EM252675IKFL	ER25	1"	75	27	G1/4"	-	1 / 4	ER25M	E25M
EM2526100WD	ER25	1"	100	27	14	-	1	ER25M	E25M
EM2526150WD	ER25	1"	150	27	14	27	1	ER25M	E25M
EM252890WD	ER25	28	90	16	16	24	1	ER25M	E25M
EM2530150	ER25	30	150	16	17	27	3	ER25M	E25M
EM2530150FL	ER25	30	150	14	17	27	2	ER25M	E25M
EM2530180	ER25	30	180	14	17	27	3	ER25M	E25M
EM2530180FL	ER25	30	180	14	17	27	2	ER25M	E25M
EM253250WD	ER25	32	50	24	17	-	1	ER25M	E25M
EM253262WD	ER25	32	62	16	17	27	1	ER25M	E25M
EM253280IKWD	ER25	32	80	16	G1/4"	27	1 / 4	ER25M	E25M
EM2532179	ER25	32	179	16	17	27	3	ER25M	E25M
EM2532180WD	ER25	32	180	16	17	27	1	ER25M	E25M

ER-Zangenspannfutter ER11

ER-Collet Holders ER11

Ausführungen:
Versions:

Vgl. auch S. 1
See also page 1

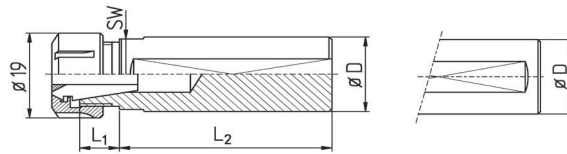


Bild 1 (WD)

Bild 2 (FL)

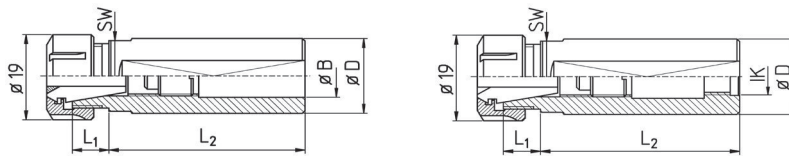


Bild 3 (B)

Bild 4 (IK)



2

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EU110866	ER11	8	66	21	-	11		UM/ER11	GS17
EU1110150	ER11	10	150	22	-	12		UM/ER11	GS17
EU111370	ER11	1/2"	70	23	-	12		UM/ER11	GS17
EU111426	ER11	14	26	11	7	12	3	UM/ER11	GS17
EU111464	ER11	14	64	9	6	-		UM/ER11	GS17
EU1118310	ER11	18	310	12	-	15		UM/ER11	GS17
EU111929WD	ER11	3/4"	29	8	7	17	1	UM/ER11	GS17
EU111932WD	ER11	3/4"	32	17	-	-	1	UM/ER11	GS17
EU111938WD	ER11	3/4"	38	10	7	17	1	UM/ER11	GS17
EU111950WD	ER11	3/4"	50	12	7	17	1	UM/ER11	GS17
EU111955WD	ER11	3/4"	55	12	7	17	1	UM/ER11	GS17
EU111960WD	ER11	3/4"	60	12	7	17	1	UM/ER11	GS17
EU111970IKWD	ER11	3/4"	70	12	G1/8"	17	1 / 4	UM/ER11	GS17
EU1119125WD	ER11	3/4"	125	12	7	17	1	UM/ER11	GS17
EU112030	ER11	20	30	12	-	17		UM/ER11	GS17
EU112030WD	ER11	20	30	11	7	17	1	UM/ER11	GS17
EU112050WD	ER11	20	50	12	7	17	1	UM/ER11	GS17
EU112060	ER11	20	60	12	7	17	3	UM/ER11	GS17
EU112060WD	ER11	20	60	12	7	17	1	UM/ER11	GS17
EU112080WD	ER11	20	80	12	7	17	1	UM/ER11	GS17
EU1120100	ER11	20	100	12	7	17	3	UM/ER11	GS17
EU1120100WD	ER11	20	100	12	7	17	1	UM/ER11	GS17
EU1120145IK	ER11	20	145	12	G1/8"	17	4	UM/ER11	GS17
EU1120170	ER11	20	170	11	-	17		UM/ER11	GS17
EU1120245	ER11	20	245	13	-	17		UM/ER11	GS17
EU112270IK	ER11	22	70	13	G1/4"	19	4	UM/ER11	GS17
EU112270IKFL	ER11	22	70	13	G1/4"	19	1 / 4	UM/ER11	GS17
EU112290IK	ER11	22	90	12	G1/4"	19	4	UM/ER11	GS17
EU112290IKFL	ER11	22	90	12	G1/4"	19	1 / 4	UM/ER11	GS17
EU112290IKWD	ER11	22	90	12	G1/4"	19	1 / 4	UM/ER11	GS17
EU112570	ER11	25	70	12	7	22	3	UM/ER11	GS17
EU112570WD	ER11	25	70	12	7	22	1	UM/ER11	GS17
EU112585	ER11	25	85	12	7	22	3	UM/ER11	GS17
EU112585WD	ER11	25	85	12	7	22	1	UM/ER11	GS17
EU112673WD	ER11	1"	73	12	7	22	1	UM/ER11	GS17
EU112675IKWD	ER11	1"	75	12	G1/4"	22	1 / 4	UM/ER11	GS17

ER-Zangenspannfutter ER16

ER-Collet Holders ER16

Ausführungen:
Versions:

Vgl. auch S. 1
See also page 1

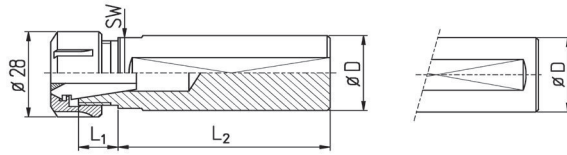


Bild 1 (WD)

Bild 2 (FL)

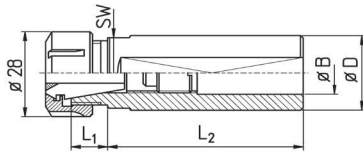


Bild 3 (B)

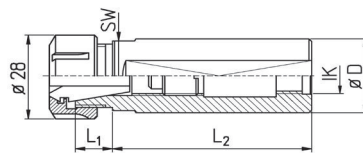


Bild 4 (IK)

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EU161060	ER16	10	60	27	-	19		UM/ER16	GS25
EU161060B5	ER16	10	60	27	5	19		UM/ER16	GS25
EU161240	ER16	12	40	25	7	19		UM/ER16	GS25
EU161240B9	ER16	12	40	25	8	19		UM/ER16	GS25
EU1613100	ER16	1/2"	100	27	9	19		UM/ER16	GS25
EU161460	ER16	14	60	27	9	19		UM/ER16	GS25
EU161550	ER16	15	50	13	9	19		UM/ER16	GS25
EU165860	ER16	5/8"	60	25	10	19		UM/ER16	GS25
EU161660	ER16	16	60	25	10	19		UM/ER16	GS25
EU161660FL	ER16	16	60	25	10	19	2	UM/ER16	GS25
EU161938	ER16	3/4"	38	25	10	19		UM/ER16	GS25
EU161938WD	ER16	3/4"	38	25	10	19	1	UM/ER16	GS25
EU161946	ER16	3/4"	46	13	10	-		UM/ER16	GS25
EU161950	ER16	3/4"	50	22	10	19		UM/ER16	GS25
EU161950FL	ER16	3/4"	50	25	10	19	2	UM/ER16	GS25
EU161955	ER16	3/4"	55	15	10	17		UM/ER16	GS25
EU161955WD	ER16	3/4"	55	15	10	17	1	UM/ER16	GS25
EU1619100	ER16	3/4"	100	25	10	19		UM/ER16	GS25
EU162050	ER16	20	50	22	10	19		UM/ER16	GS25
EU162050FL	ER16	20	50	22	10	19	2	UM/ER16	GS25
EU162073WD	ER16	20	73	12	10	17	1	UM/ER16	GS25
EU1620100FL	ER16	20	100	24	10	19	2	UM/ER16	GS25
EU162244	ER16	22	44	12	Jakobskegel	19		UM/ER16	GS25
EU162254IKWD	ER16	22	54	12	G1/4"	19	1 / 4	UM/ER16	GS25
EU1622103	ER16	22	103	12	10	19		UM/ER16	GS25
EU1622103WD	ER16	22	103	12	10	19	1	UM/ER16	GS25
EU162560FL	ER16	25	60	16	10	22	2	UM/ER16	GS25
EU162575WD	ER16	25	75	16	10	22	1	UM/ER16	GS25
EU1625100	ER16	25	100	16	10	22		UM/ER16	GS25
EU1625100FL	ER16	25	100	16	10	22	2	UM/ER16	GS25
EU1625125IK	ER16	25	125	16	G1/4"	22	4	UM/ER16	GS25
EU1625125IKWD	ER16	25	125	16	G1/4"	22	1 / 4	UM/ER16	GS25
EU1625150IK	ER16	25	150	16	G1/4"	22	4	UM/ER16	GS25
EU1625150IKWD	ER16	25	150	16	G1/4"	22	1 / 4	UM/ER16	GS25
EU1625220	ER16	25	220	23	-	19		UM/ER16	GS25
EU1625220WD	ER16	25	220	23	-	19	1	UM/ER16	GS25

ER-Zangenspannfutter ER16

ER-Collet Holders ER16

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EU162638WD	ER16	1"	38	16	10	22	1	UM/ER16	GS25
EU162638FL	ER16	1"	38	16	10	22	2	UM/ER16	GS25
EU162642	ER16	1"	42	16	10	22	3	UM/ER16	GS25
EU162658	ER16	1"	58	16	-	-		UM/ER16	GS25
EU162658IKWD	ER16	1"	58	16	G1/4"	22	1 / 4	UM/ER16	GS25
EU162658FL	ER16	1"	58	16	10	22	2	UM/ER16	GS25
EU162674WD	ER16	1"	74	22	-	-	1	UM/ER16	GS25
EU162675	ER16	1"	75	16	10	22	3	UM/ER16	GS25
EU162675IKWD	ER16	1"	75	16	G1/4"	22	1 / 4	UM/ER16	GS25
EU1626100	ER16	1"	100	16	10	22	3	UM/ER16	GS25
EU1626100FL	ER16	1"	100	16	10	22	2	UM/ER16	GS25
EU1626124WD	ER16	1"	124	16	10	22	1	UM/ER16	GS25
EU163220WD	ER16	32	20	16	10	-	1	UM/ER16	GS25
EU163240WD	ER16	32	40	16	10	-	1	UM/ER16	GS25
EU163260	ER16	32	60	16	10	27		UM/ER16	GS25
EU163260FL	ER16	32	60	16	10	-	2	UM/ER16	GS25
EU1632125	ER16	32	125	16	-	27		UM/ER16	GS25
EU164060FL	ER16	40	60	25	10	-	2	UM/ER16	GS25

2.1 - 12

ER-Zangenspannfutter ER-Collet Holders

2

Zangenspannfutter Collet Holders

BRITSCH
Spannzeuge GmbH

ER-Zangenspannfutter ER20

ER-Collet Holders ER20

Ausführungen:
Versions:

Vgl. auch S. 1
See also page 1

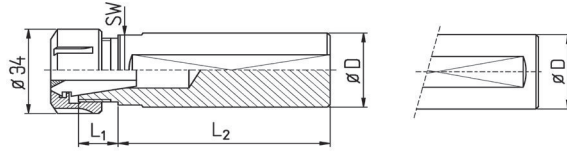


Bild 1 (WD)

Bild 2 (FL)

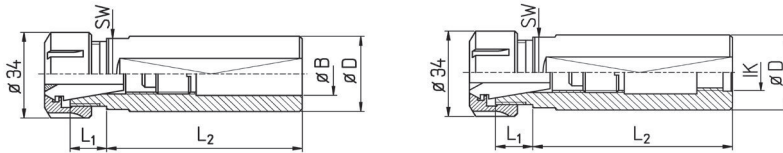


Bild 3 (B)

Bild 4 (IK)



Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EU2013100	ER20	1/2"	100	35	-	-		UM/ER20	GS30
EU2058100	ER20	5/8"	100	35	-	-		UM/ER20	GS30
EU201936	ER20	3/4"	36	17	13	-		UM/ER20	GS30
EU201938	ER20	3/4"	38	16	13	-		UM/ER20	GS30
EU201950	ER20	3/4"	50	22	13	22	3	UM/ER20	GS30
EU201950K	ER20	3/4"	50	16	13	-	4	UM/ER20	GS30
EU202030	ER20	20	30	25	13	22	3	UM/ER20	GS30
EU202050FL	ER20	20	50	17	13	-	2	UM/ER20	GS30
EU202054	ER20	20	54	22	12	22	3	UM/ER20	GS30
EU202060FL	ER20	20	60	25	13	22	2	UM/ER20	GS30
EU202060	ER20	20	60	22	13	22	3	UM/ER20	GS30
EU2020100	ER20	20	100	25	13	22	3	UM/ER20	GS30
EU2020100FL	ER20	20	100	25	13	22	2	UM/ER20	GS30
EU2025102IK	ER20	25	102	14	G1/4"	22	4	UM/ER20	GS30
EU2025102IKWD	ER20	25	102	14	G1/4"	22	1 / 4	UM/ER20	GS30
EU2025143IKFL	ER20	25	143	13	G1/4"	22	2 / 4	UM/ER20	GS30
EU202638	ER20	1"	38	15	13	22	3	UM/ER20	GS30
EU202638FL	ER20	1"	38	15	13	22	2	UM/ER20	GS30
EU202683WD	ER20	1"	83	14	13	22	1	UM/ER20	GS30
EU2026100	ER20	1"	100	16	13	22	3	UM/ER20	GS30
EU2032125	ER20	32	125	16	-	27		UM/ER20	GS30

ER-Zangenspannfutter ER25

ER-Collet Holders ER25

Ausführungen:
Versions:

Vgl. auch S. 1
See also page 1

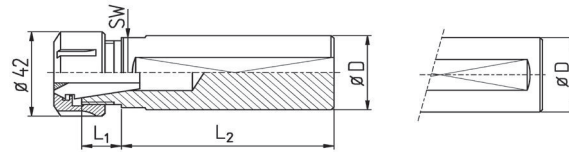


Bild 1 (WD)

Bild 2 (FL)

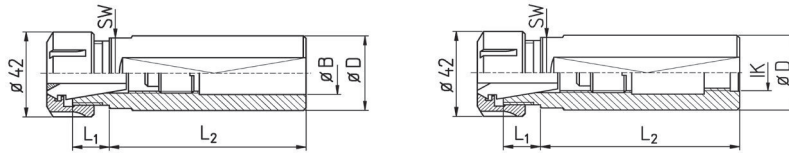


Bild 3 (B)

Bild 4 (IK)



2

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EU2516100	ER25	16	100	36	-	27		UM/ER25	E25
EU2516100FL	ER25	16	100	36	-	27	2	UM/ER25	E25
EU251950	ER25	3/4"	50	33	13	27	3	UM/ER25	E25
EU251950FL	ER25	3/4"	50	33	13	27	2	UM/ER25	E25
EU2519100	ER25	3/4"	100	33	13	27	3	UM/ER25	E25
EU252050	ER25	20	50	33	14	27	3	UM/ER25	E25
EU252050FL	ER25	20	50	33	14	27	2	UM/ER25	E25
EU2520100	ER25	20	100	34	12	27	3	UM/ER25	E25
EU2520100FL	ER25	20	100	36	13	27	2	UM/ER25	E25
EU252550	ER25	25	50	27	17	27	3	UM/ER25	E25
EU252550FL	ER25	25	50	27	17	27	2	UM/ER25	E25
EU252550K	ER25	25	50	20	17	-		UM/ER25	E25
EU2525100	ER25	25	100	27	14	27	3	UM/ER25	E25
EU2525100WD	ER25	25	100	27	14	27	1	UM/ER25	E25
EU2525150	ER25	25	150	27	14	27	3	UM/ER25	E25
EU2525150IK	ER25	25	150	27	G1/4"	27	4	UM/ER25	E25
EU2525150IKWD	ER25	25	150	27	G1/4"	27	1 / 4	UM/ER25	E25
EU2525150FL	ER25	25	150	27	14	27	2	UM/ER25	E25
EU252650	ER25	1"	50	27	17	27	3	UM/ER25	E25
EU252660WD	ER25	1"	60	27	17	27	1	UM/ER25	E25
EU2526100	ER25	1"	100	27	14	27	3	UM/ER25	E25
EU2526100FL	ER25	1"	100	27	17	27	2	UM/ER25	E25
EU253060	ER25	30	60	27	17	27	3	UM/ER25	E25
EU253060FL	ER25	30	60	27	17	27	2	UM/ER25	E25
EU253185	ER25	1 1/4"	85	15	17	27	3	UM/ER25	E25
EU2531180	ER25	1 1/4"	180	14	17	27	3	UM/ER25	E25
EU2531180FL	ER25	1 1/4"	180	14	17	27	2	UM/ER25	E25
EU2532110	ER25	32	110	14	17	27		UM/ER25	E25
EU2532116WD	ER25	32	116	14	17	27	1	UM/ER25	E25
EU2532127	ER25	32	127	15	-	27		UM/ER25	E25
EU2532180	ER25	32	180	14	17	27	3	UM/ER25	E25
EU254080	ER25	40	80	18	17	36	3	UM/ER25	E25

ER-Zangenspannfutter ER32

ER-Collet Holders ER32

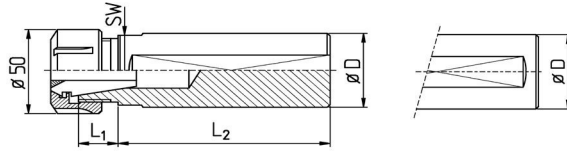
Ausführungen:
Versions:Vgl. auch S. 1
See also page 1

Bild 1 (WD)

Bild 2 (FL)

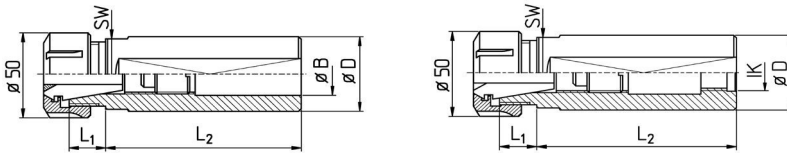


Bild 3 (B)

Bild 4 (IK)



Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EU321950	ER32	3/4"	50	40	13	36	3	UM/ER32	E32
EU3219100	ER32	3/4"	100	40	13	36	3	UM/ER32	E32
EU322050	ER32	20	50	40	13	36	3	UM/ER32	E32
EU322050FL	ER32	20	50	40	13	36	2	UM/ER32	E32
EU3220100	ER32	20	100	40	13	36	3	UM/ER32	E32
EU3220100FL	ER32	20	100	40	13	36	2	UM/ER32	E32
EU322550	ER32	25	50	40	18	36	3	UM/ER32	E32
EU322550FL	ER32	25	50	40	18	36	2	UM/ER32	E32
EU3225100	ER32	25	100	40	17	36	3	UM/ER32	E32
EU3225100FL	ER32	25	100	40	17	36	2	UM/ER32	E32
EU322650	ER32	1"	50	40	19	36	3	UM/ER32	E32
EU3226100	ER32	1"	100	40	16	36	3	UM/ER32	E32
EU323065FL	ER32	30	65	25	20	-	2	UM/ER32	E32
EU323060	ER32	30	60	27	18	36	3	UM/ER32	E32
EU323060WD	ER32	30	60	27	18	36	1	UM/ER32	E32
EU323160	ER32	1 1/4"	60	27	20	36	3	UM/ER32	E32
EU323260	ER32	32	60	27	20	36	3	UM/ER32	E32
EU3232100FL	ER32	32	100	27	20	36	2	UM/ER32	E32
EU3232125	ER32	32	125	26	-	36		UM/ER32	E32
EU324070FL	ER32	40	70	18	20	36	2	UM/ER32	E32
EU324080	ER32	40	80	17	20	36		UM/ER32	E32
EU3240130	ER32	40	130	17	20	36	3	UM/ER32	E32
EU3240130FL	ER32	40	130	17	20	36	2	UM/ER32	E32
EU3240145	ER32	40	145	45	20	46	3	UM/ER32	E32
EU3240210	ER32	40	210	18	20	-		UM/ER32	E32

ER-Zangenspannfutter ER40 + 50

ER-Collet Holders ER40 + 50

Ausführungen:
Versions:

Vgl. auch S. 1
See also page 1

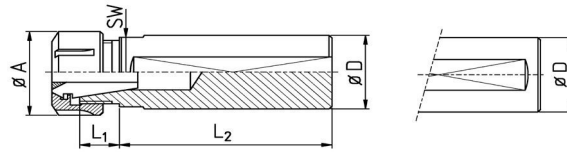


Bild 1 (WD)

Bild 2 (FL)

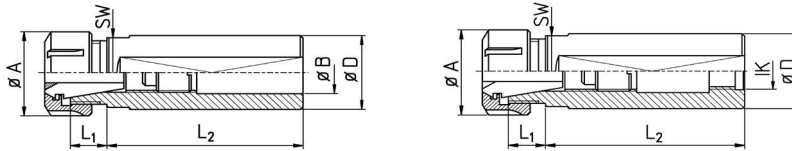


Bild 3 (B)

Bild 4 (IK)



2

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	A	IK / B ic / B	SW	Bild	Mutter nut	Schlüssel spanner
EU401960	ER40	3/4"	60	43	63	12	46	3	UM/ER40	E40
EU402060	ER40	20	60	42	63	12	46	3	UM/ER40	E40
EU402550	ER40	25	50	45	63	17	46	3	UM/ER40	E40
EU402550FL	ER40	25	50	45	63	18	46	2	UM/ER40	E40
EU402650	ER40	1"	50	45	63	18	46	3	UM/ER40	E40
EU403160	ER40	1 1/4"	60	43	63	23	46	3	UM/ER40	E40
EU403160WD	ER40	1 1/4"	60	57	63	-	-	1	UM/ER40	E40
EU403175	ER40	1 1/4"	75	43	63	25	41	3	UM/ER40	E40
EU403260	ER40	32	60	43	63	22	46	3	UM/ER40	E40
EU403680	ER40	36	80	43	63	23	46	3	UM/ER40	E40
EU404075	ER40	40	75		63		46		UM/ER40	E40
EU404080	ER40	40	80	44	63	26,5	46	3	UM/ER40	E40
EU404080FL	ER40	40	80	43	63	26,5	46	2	UM/ER40	E40
EU4040200	ER40	40	200	26	63	25	-		UM/ER40	E40
EU4050180	ER40	50	180	18	63	26,5	46	3	UM/ER40	E40
EU5050170WD	ER50	50	170	35	78	15	-	1	UM/ER50	E50

Pinolenanschlüsse für Bohrpinoles, Bohrverlängerungen

Collet Holder Stops for Pre Setting

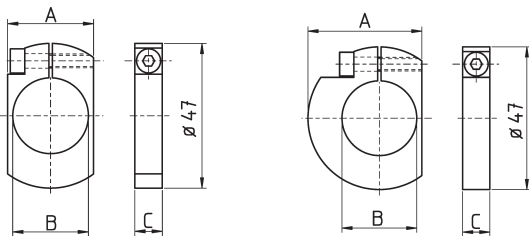


Bild 1

Bild 2

Bestell-Nr. order-no.	B	A	C	Bild
EM-PA16	16	23,5	7	1
EM-PA19	3/4"	23	8	1
EM-PA20	20	23	8	1
EM-PA20B	20	34	8	2
EM-PA22	22	25	8	1
EM-PA22B	22	34	8	2
EM-PA25	25	30	8	1
EM-PA26	1"	30	8	1
EM-PA28	28	36	8	1
EM-PA32	32	40	8	1

2.1 - 16 ER-Zangenspannfutter ER-Collet Holders

2 Zangenspannfutter Collet Holders

BRITSCH
Spannzeuge GmbH

**ER-Zangenspannfutter
für Doppelspindel-Maschinen**

**ER-Collet Holders
for Double Spindle Machines**

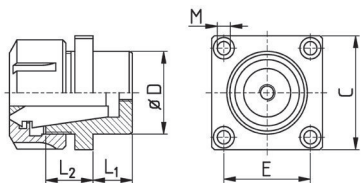


Bild 1

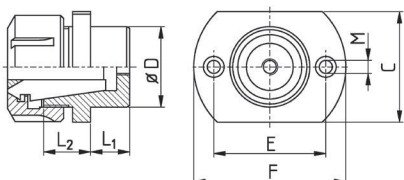


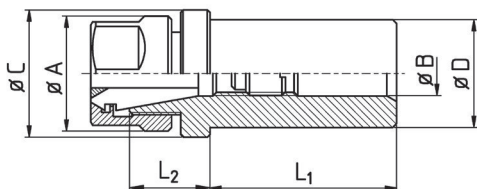
Bild 2



Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	E	F	C	M	Bild	Mutter nut
EU253220-HE	ER25	32	20	18	32	55	41	4,5	1	UM/ER25
EU254020-HE	ER25	40	19,5	22	43	76	55	6,6	2	UM/ER25
EU323220-HE	ER32	32	20	23,5	50	60	41	4,5	2	UM/ER32
EU324020-HE	ER32	32	19,5	27	43	76	55	6,6	1	UM/ER32
EU404020-HE	ER40	40	19,5	30	43	76	55	6,6	1	UM/ER40

**ER-Zangenspannfutter
mit Anschlagbund, für Revolvermaschinen
und INDEX MS25**

**ER-Collet Holders
with Stop Flange for Revolving Machines
and INDEX MS25**



Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	A	C	B	Mutter nut	Schlüssel spanner
EB111621	ER11	16	21	22	16	22	7,5	ER11M	E11M
EB162546	ER16	25	46	22	28	28	12	UM/ER16	GS25
EB162646	ER16	1"	46	20	28	28	12	UM/ER16	GS25
EB202565-HE	ER20	25	65	21	34	32	8	UM/ER20	GS30
EB252546	ER25	25	46	21	42	42	18	UM/ER25	E25
EB252565-HE	ER25	25	65	23	42	32	8	UM/ER25	E25
EB252646	ER25	1"	46	22	42	42	18	UM/ER25	E25
EB253238-HE	ER25	32	38	18	42	38	8	UM/ER25	E25
EB253265-HE	ER25	32	65	23	42	39	8	UM/ER25	E25
EB254065-HE	ER25	40	65	23	42	49	8	UM/ER25	E25
EB255082	ER25	50	82	23	42	59	10	UM/ER25	E25
EB322565-HE	ER32	25	65	41	50	40	8	UM/ER32	E32
EB324038-HE	ER32	40	38	23	50	49	8	UM/ER32	E32
EB325080	ER32	50	80	37	50	59	10	UM/ER32	E32
EB404065-HE	ER40	40	65	30	63	50	10	UM/ER40	E40

ER-Zangenspannfutter
für STAR-Maschinen / Rückseite

ER-Collet Holders
for STAR-Machines / Back Working

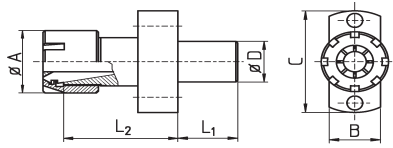


Bild 1

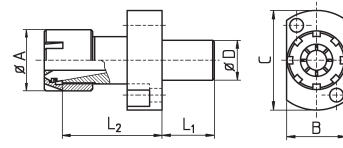


Bild 2

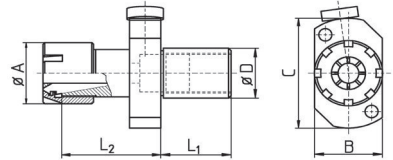


Bild 3

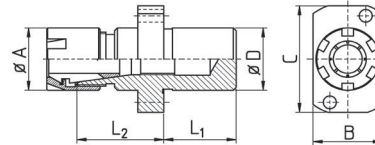


Bild 4

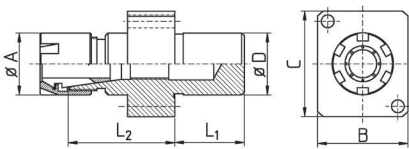


Bild 5

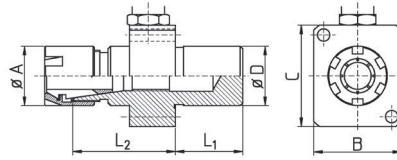


Bild 6



2

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	A	B	C	Bild	Mutter nut	Maschinen-Typ machine type
STAR										
EM1116SRJK	ER11	16	10	17	16	17	41	1	ER11M	SR10J
EM1116SRJ	ER11	16	10	41	16	17	41	1	ER11M	SR10J
EM1116SR	ER11	16	20	17	19	24	40	2	ER11M	SR16 / SR20
EM1116SRR	ER11	16	10	16	16	17	41	2	ER11M	SR16R
EM1122SRR	ER11	22	25	47	16	28	49	2	ER11M	SR20R / SR10J
EM1616SR	ER16	16	20	18	22	24	40	2	ER16M	SR16 / SR20
EM1622SRR	ER16	22	25	30	22	28	49	2	ER16M	SR20R / SR32J
EM1622SRR-AK1	ER16	22	25	26	22	28	49	3	ER16M	SR20R / SR32J
EM1622SRR-c	ER16	22	25	21	22	28	49	2	ER16M	SR20R / SR32J
EM1622SW	ER16	22	25	38	22	32,5	37,5	5	ER16M	SW20 / SR20RIV
EM1622SW-AK1	ER16	22	25	38	22	32,5	37,5	6	ER16M	SW20 / SR20RIV
EM1622SW-OS	ER16	22	25	40	22	32,5	37,5	5*	ER16M	SW20 / SR20RIV
EM1622SWS	ER16	22	25	31	22	24	37,5	4	ER16M	SW20 / SR20RIV
EM2022SR	ER20	22	25	28	28	38	48	2	ER20M	SR32 / SR32J
EM2022SRR	ER20	22	25	30	28	28	49	2	ER20M	SR20R / SR32J
EM2022SRR-AK1	ER20	22	25	30	28	28	49	3	ER20M	SR20R / SR32J
EM2022SW	ER20	22	25	32	28	32,5	37,5	5	ER20M	SW20 / SR20RIV
EM2022SW-AK1	ER20	22	25	32	28	32,5	37,5	6	ER20M	SW20 / SR20RIV

* Ohne Innengewinde für Stellschraube

* Without thread for backstop screw

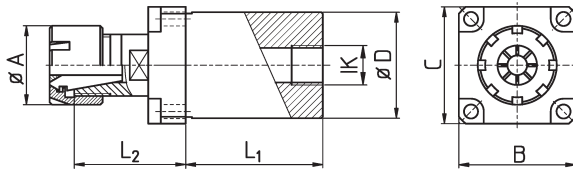
2.1 - 18 ER-Zangenspannfutter ER-Collet Holders

2 Zangenspannfutter Collet Holders

BRITSCH
Spannzeuge GmbH

ER-Zangenspannfutter
für STAR / MAIER-Maschinen / Rückseite

ER-Collet Holders
for STAR / MAIER-Machines / Back Working



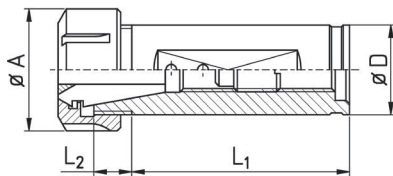
Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	A	B	C	IK	Mutter nut	Maschinen-Typ machine type
STAR / MAIER										
EM1130MM	ER11	30	45	19	16				ER11M	STAR ECAS32T
EM1630MM #	ER16	30	45	18	22	31,5	39,5		ER16M	
EM1634MK	ER16	34	19,5	14	22	37,5	37,5		ER16M	MAIER Wehingen
EM1634MM	ER16	34	44	14	22	37,5	37,5	G1/4"	ER16M	
EU1634MM	ER16	34	44	22	28	37,5	37,5	G1/4"	UM/ER16	
EM2034MK	ER20	34	19,5	14	28	37,5	37,5	G1/4"	ER20M	
EM2034MM	ER20	34	44	14	28	37,5	37,5	G1/4"	ER20M	
EM2534MK	ER25	34	20	14	35	37,5	37,5	G1/4"	ER25M	

Nicht für STAR-Maschinen

Not for STAR-machines

CNC Zangenspannfutter
mit Klemmfläche - für innere Kühlmittelzufuhr

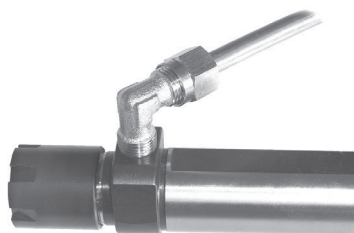
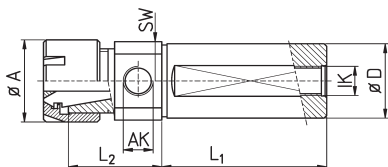
CNC Collet Holders
with Clamping Flat - Inner Coolant



Bestell-Nr. order-no.	Zange collet	D	A	L ₁	L ₂	Mutter nut	Schlüssel spanner
EU253275FL-CNC	ER 25	32	42	75	14	UM/ER 25	E25
EU254080FL-CNC	ER 25	40	42	80	18	UM/ER 25	E25
EU323260FL-CNC	ER 32	32	50	60	27	UM/ER 32	E32
EU324080FL-CNC	ER 32	40	50	80	18	UM/ER 32	E32
EU3245100FL-CNC	ER 32	45	50	100	20	UM/ER 32	E32
EU3250120FL-CNC	ER 32	50	50	120	20	UM/ER 32	E32
EU403260FL-CNC	ER 40	32	63	60	43	UM/ER 40	E40
EU404075FL-CNC	ER 40	40	63	75	32	UM/ER 40	E40
EU4045100FL-CNC	ER 40	45	63	100	20	UM/ER 40	E40
EU4050120FL-CNC	ER 40	50	63	120	18	UM/ER 40	E40

ER-Zangenspannfutter
mit seitlichem und rückseitigem
Kühlmittelanschluss

ER-Collet Holders
with Inner Coolant, Side and Rear



2

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	A	AK	IK	Mutter nut	Schlüssel spanner
EM161650AK1	ER16	16	50	30	22	G1/8"	M8x1	ERC16M	E16M
EM1618310AK1	ER16	18	310	35	22	G1/8"		ERC16M	E16M
EM161950AK1	ER16	3/4"	50	27	22	G1/8"	G1/8"	ERC16M	E16M
EM161960AK0	ER16	3/4"	60	30	22	M12x1,5	G1/8"	ERC16M	E16M
EM161960AK1	ER16	3/4"	60	27	22	G1/8"	G1/8"	ERC16M	E16M
EM161960AK2	ER16	3/4"	60	30	22	M8x1		ERC16M	E16M
EM161960AK3	ER16	3/4"	60	30	22	M10x1		ERC16M	E16M
EM161970AK0	ER16	3/4"	70	30	22	M12x1,5	G1/8"	ERC16M	E16M
EM161970AK1	ER16	3/4"	70	27	22	G1/8"	G1/8"	ERC16M	E16M
EM1619100AK1	ER16	3/4"	100	27	22	G1/8"		ERC16M	E16M
EM1620310AK1	ER16	20	310	35	22	G1/8"		ERC16M	E16M
EM162050AK0	ER16	20	50	30	22	M12x1,5	G1/8"	ERC16M	E16M
EM162050AK1	ER16	20	50	30	22	G1/8"		ERC16M	E16M
EM162050AK2	ER16	20	50	30	22	M8x1		ERC16M	E16M
EM162050AK3	ER16	20	50	30	22	M10x1		ERC16M	E16M
EM162070AK0	ER16	20	70	30	22	M12x1,5	G1/8"	ERC16M	E16M
EM162070AK1	ER16	20	70	30	22	G1/8"	G1/8"	ERC16M	E16M
EM162070AK2	ER16	20	70	30	22	M8x1		ERC16M	E16M
EM162070AK3	ER16	20	70	30	22	M10x1		ERC16M	E16M
EM162250AK0	ER16	22	50	30	22	M12x1,5	M12x1,5	ERC16M	E16M
EM162250AK1	ER16	22	50	27	22	G1/8"		ERC16M	E16M
EM162250AK2	ER16	22	50	30	22	M8x1		ERC16M	E16M
EM162250AK3	ER16	22	50	30	22	M10x1		ERC16M	E16M
EM162270AK0	ER16	22	70	30	22	M12x1,5	M12x1,5	ERC16M	E16M
EM162270AK1	ER16	22	70	27	22	G1/8"		ERC16M	E16M
EM162270AK2	ER16	22	70	30	22	M8x1		ERC16M	E16M
EM162270AK3	ER16	22	70	30	22	M10x1		ERC16M	E16M
EM1625134AK1	ER16	25	134	32	22	G1/8"		ERC16M	E16M
EM162550AK0	ER16	25	50	30	22	M12x1,5	G1/4"	ERC16M	E16M
EM162550AK1	ER16	25	50	27	22	G1/8"		ERC16M	E16M
EM162550AK2	ER16	25	50	27	22	M8x1	G1/4"	ERC16M	E16M
EM162550AK3	ER16	25	50	30	22	M10x1		ERC16M	E16M
EM162570AK1	ER16	25	70	27	22	G1/8"		ERC16M	E16M
EM162688AK1	ER16	1"	88	27	22	G1/8"		ERC16M	E16M
EM162650AK0	ER16	1"	50	31	22	M12x1,5		ERC16M	E16M
EM162650AK1	ER16	1"	50	28	22	G1/8"		ERC16M	E16M
EM162650AK2	ER16	1"	50	31	22	M8x1		ERC16M	E16M
EM162650AK3	ER16	1"	50	31	22	M10x1		ERC16M	E16M

2.1 - 20
ER-Zangenspannfutter
ER-Collet Holders

2
Zangenspannfutter
Collet Holders

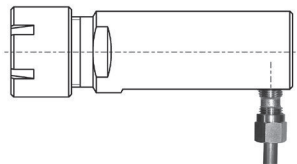
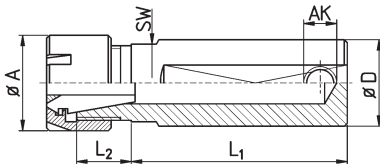
ER-Zangenspannfutter
 mit seitlichem und rückseitigem
 Kühlmittelschluss

ER-Collet Holders
 with Inner Coolant, Side and Rear

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	A	AK	IK	Mutter nut	Schlüssel spanner
EM162660AK0	ER16	1"	60	30	22	M12x1,5		ERC16M	E16M
EM162660AK1	ER16	1"	60	30	22	G1/8"		ERC16M	E16M
EM162660AK2	ER16	1"	60	30	22	M8x1		ERC16M	E16M
EM162660AK3	ER16	1"	60	30	22	M10x1		ERC16M	E16M
EM162670AK0	ER16	1"	70	30	22	M12x1,5		ERC16M	E16M
EM162670AK3	ER16	1"	70	30	22	M10x1		ERC16M	E16M
EM202250AK0	ER20	22	50	34	28	M12x1,5		ERC20M	E20M
EM202250AK1	ER20	22	50	34	28	G1/8"		ERC20M	E20M
EM202250AK2	ER20	22	50	34	28	M8x1		ERC20M	E20M
EM202250AK3	ER20	22	50	34	28	M10x1		ERC20M	E20M
EM2025132AK1	ER20	25	132	34	28	G1/8"		ERC20M	E20M
EM202550AK1	ER20	25	50	35	28	G1/8"	G1/4"	ERC20M	E20M
EM202550AK2	ER20	25	50	35	28	M8x1	G1/4"	ERC20M	E20M
EM202650AK1	ER20	1"	50	34	28	G1/8"	G1/4"	ERC20M	E20M
EM202650AK2	ER20	1"	50	34	28	M8x1		ERC20M	E20M
EM2525135AK1	ER25	25	135	42	35	G1/8"		ERC25M	E25M
EM2525150AK1	ER25	25	150	27	35	G1/8"	M12x1,5	ERC25M	E25M

ER-Zangenspannfutter
 mit seitlichem Kühlmittelschluss

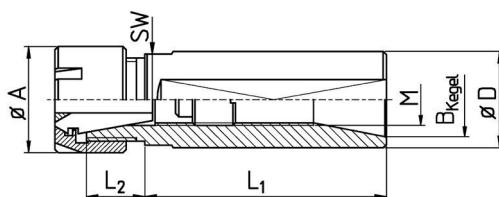
ER-Collet Holders
 with Side Coolant Inlet



Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	A	SW	AK ic	Mutter nut	Schlüssel spanner
EM162260WDAKS1	ER 16	22	60	14	22	19	G1/8"	ER16M	E16M
EM162270WDAKS1	ER 16	22	70	14	22	19	G1/8"	ER16M	E16M
EM162280WDAKS1	ER 16	22	80	14	22	19	G1/8"	ER16M	E16M

**ER-Zangenspannfutter mit B-Kegelaufnahme
für Bohrmaschinen**

**ER-Collet Holders
with B-Cone**



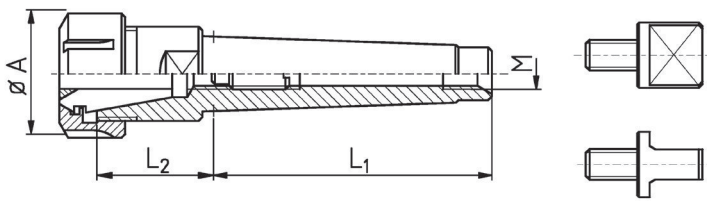
Bestell-Nr. order-no.	Typ / B-Kegel type / B-cone	Zange collet	D	L ₁	L ₂	A	M	Mutter nut	Schlüssel spanner
EM11SB10	ER11M / B10	ER 11	16	40	12	16	M8	ER11M	E11M
EM11LB10	ER11M / B10	ER 11	16	54	12	16	M8	ER11M	E11M
EM11SB12	ER11M / B12	ER 11	16	40	12	16	M8	ER11M	E11M
EM11LB12	ER11M / B12	ER 11	16	60	12	16	M8	ER11M	E11M
EM16SB10	ER16M / B10	ER 16	22	33	16	22	-	ER16M	E16M
EM16LB10	ER16M / B10	ER 16	22	45	16	22	M10	ER16M	E16M
EM16SB12	ER16M / B12	ER 16	21,5	33	16	22	-	ER16M	E16M
EM16LB12S	ER16M / B12	ER 16	20	43	16	22	M10	ER16M	E16M
EM16LB12	ER16M / B12	ER 16	22	45	15	22	M10	ER16M	E16M
EM16SB16	ER16M / B16	ER 16	21,5	33	16	22	-	ER16M	E16M
EM16B16	ER16M / B16	ER 16	22	45	16	22	M10	ER16M	E16M
EU16SB10	ER16 / B10	ER 16	22	35	16	28	-	UM/ER16	GS25
EU16LB10	ER16 / B10	ER 16	22	54	16	28	M10	UM/ER16	GS25
EU16SB12	ER16 / B12	ER 16	22	35	16	28	-	UM/ER16	GS25
EU16B12	ER16 / B12	ER 16	22	54	16	28	M10	UM/ER16	GS25
EU16LB12	ER16 / B12	ER 16	22	54	14	28	M10	UM/ER16	GS25
EM16LB16	ER16M / B16	ER 16	22	68	14	22	M10	ER16M	E16M
EU16SB16	ER16 / B16	ER 16	22	35	12	28	-	UM/ER16	GS25
EU16LB16	ER16 / B16	ER 16	22	54	15	28	M10	UM/ER16	GS25
EM20B12	ER20M / B12	ER 20	25	50	16	28	M14	ER20M	E20M
EM20B16	ER20M / B16	ER 20	25	50	16	28	M14	ER20M	E20M
EM20B18	ER20M / B18	ER 20	25	50	16	28	M14	ER20M	E20M
EU20B16	ER20 / B16	ER 20	25	50	16	34	M14	UM/ER20	GS30
EU20B18	ER20 / B18	ER 20	25	50	16	34	M14	UM/ER20	GS30
EU32B22	ER32 / B22	ER 32	40	56	16	50	M20	UM/ER32	E32

Auch mit JACOBS-Kegel lieferbar

Also available with JACOBS-cone

ER-Zangenspannfutter MK
 mit Morsekonus DIN 2207

ER-Collet Holders
 with Morse Taper



Bestell-Nr. order-no.	Typ / MK type / MT	Zange collet	M	L ₁	L ₂	A	Mutter nut	Schlüssel spanner
EU11MK1	ER11 / MK1	ER11	M6	57	12	19	UM/ER11	GS17
EU16MK1	ER16 / MK1	ER16	M6	57	23	28	UM/ER16	GS25
EU16MK2	ER16 / MK2	ER16	M10	68	22	28	UM/ER16	GS25
EU16MK3	ER16 / MK3	ER16	M12	86	22	28	UM/ER16	GS25
EU20MK2	ER20 / MK2	ER20	M10	68	22	34	UM/ER20	GS30
EU25MK2	ER25 / MK2	ER25	M10	68	25	42	UM/ER25	E25
EU25MK3	ER25 / MK3	ER25	M12	86	28	42	UM/ER25	E25
EU25MK4	ER25 / MK4	ER25	M16	109	28	42	UM/ER25	E25
EU32MK2	ER32 / MK2	ER32	M10	69	32	50	UM/ER32	E32
EU32MK3	ER32 / MK3	ER32	M12	98	44	50	UM/ER32	E32
EU32MK3K	ER32 / MK3	ER32	M12	86	29	50	UM/ER32	E32
EU32MK4	ER32 / MK4	ER32	M16	108	37	50	UM/ER32	E32
EU32MK5	ER32 / MK5	ER32	M20	136	37	50	UM/ER32	E32
EU40MK3	ER40 / MK3	ER40	M12	86	42	63	UM/ER40	E40
EU40MK4	ER40 / MK4	ER40	M16	109	42	63	UM/ER40	E40
EU40MK5	ER40 / MK5	ER40	M20	136	47	63	UM/ER40	E40
EU50MK4	ER50 / MK4	ER50	M16	109	52	78	UM/ER50	E50
EU50MK5	ER50 / MK5	ER50	M20	136	84	78	UM/ER50	E50

MK-Futter auch mit Zangenaufnahme DIN 6388
 (OZ16, OZ25, OZ32) lieferbar

*Morse taper holders also available with
 collet taper DIN 6388 (OZ)*

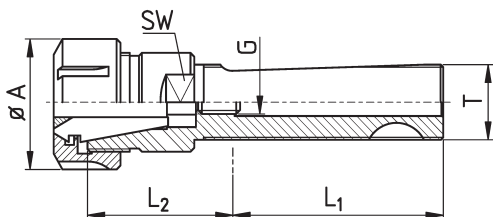
Austreiberlappen für MK-Futter

Ejector Drift for MT-Holders

Bestell-Nr. - order-no.	TAG1	TAG2	TAG3	TAG4	TAG5
Gewinde - thread	M6	M10	M12	M16	M20

ER-Zangenspannfutter
Schaft mit Trapezgewinde

ER-Collet Holders
Shaft with Trapezoid Thread

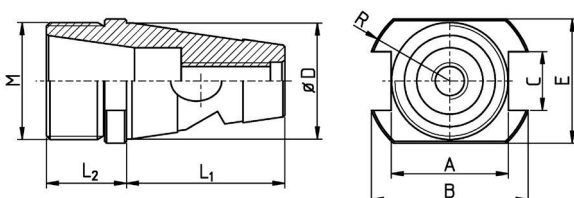


(L₁, L₂ bis zur Kontermutter - L₁, L₂ to lock nut)

Bestell-Nr. order-no.	Zange collet	T	L ₁	L ₂	A	G	Mutter nut	Schlüssel spanner
EUT111950WD	ER11	Tr12x1,5	50	45,5	19	M5	UM/ER11	GS17
EUT161673WD	ER16	Tr16x1,5	73	53,5	28	M6	UM/ER16	GS25
EUT202076WD	ER20	Tr20x2,0	76	59,5	34	M8	UM/ER20	GS30
EUT252883WD	ER25	Tr28x2,0	83	57	42	M18x1,5	UM/ER25	E25
EUT322895WD	ER32	Tr12x1,5	83	57	50	M18x1,5	UM/ER32	E32

ER-Zangenspannfutter SK
mit Steilkegelschaft für GILDEMEISTER

ER-Collet Holders
BT Type for GILDEMEISTER



Bestell-Nr. order-no.	Typ / SK type / bt	Zange collet	M	L ₁	L ₂	A	B	C	E	R	Mutter nut	Schlüssel spanner
EU20ISO25	ER20 / ISO25	ER20	M25x1,5	42	19,1	25,9	33	12	32	17,5	UX/ER20	E20
EU20ISO30G	ER20 / ISO30	ER20	M25x1,5	43,5	21,5	32,2	43	16,1	34	23	UX/ER20	E20
EU20ISO30K	ER20 / ISO30	ER20	M25x1,5	43,5	21,5	32,2	33	16,1	34	18,5	UX/ER20	E20
EM25ISO30G	ER25M / ISO30	ER25	M30x1	43,5	22	32,2	43	16,1	34	23	ER25M	E25M
EM25ISO30K	ER25M / ISO30	ER25	M30x1	43,5	22	32,2	33	16,1	34	18,5	ER25M	E25M
EU25ISO30G	ER25 / ISO30	ER25	M32x1,5	43,5	22	32,2	43	16,1	34	23	UM/ER25	E25
EU25ISO30K	ER25 / ISO30	ER25	M32x1,5	43,5	22	32,2	33	16,1	34	18,5	UM/ER25	E25
EU32ISO30	ER32 / ISO30	ER32	M40x1,5	43,5	31	32,2	43	16,1	34	23	UM/ER32	E32
EU32ISO40	ER32 / ISO40	ER32	M40x1,5	67,5	26	25*	*	20	50	32,25	UM/ER32	E32
EU40ISO40	ER40 / ISO40	ER40	M50x1,5	67,5	25	25*	*	20	50	32,25	UM/ER40	E40

* Nut einseitig

* Groove onesided

2.1 - 24

ER-Zangenspannfutter ER-Collet Holders

2

Zangenspannfutter Collet Holders

BRITSCH
Spannzeuge GmbH

ER-Zangenspannfutter für CITIZEN, HANWHA

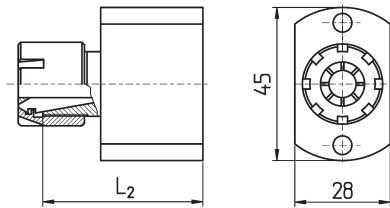


Bild 1

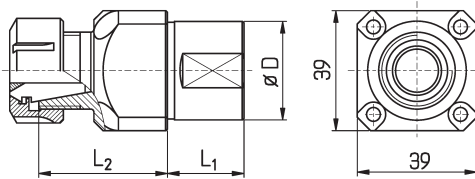


Bild 2

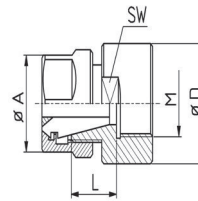


Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	Bild	Mutter nut
EM1625CIT	ER16	--	--	51,5	1	ER16M
EU1632HA	ER16	32	25	22	2	UM/ER16
EU2032HA	ER20	32	25	27	1	UM/ER20
EM2532HA	ER25	32	25	23,5	2	ER25M

Bohrverlängerungen mit ER-Zangenspannfutter

Drill Extensions with ER-Collet holders

Bestell-Nr. order-no.	Zange collet	M	D	L
WT14ER11	ER11	M14x1	20	21
WT16ER11	ER11	M16x1	20	21
WT16ER16	ER16	M16x1	20	24
WT17ER11	ER11	M17x1	20	21
WT17ER16	ER16	M17x1	20	22
WT22ER16	ER16	M22x1	27	22
WT20ER16	ER16	M20x1	25	22

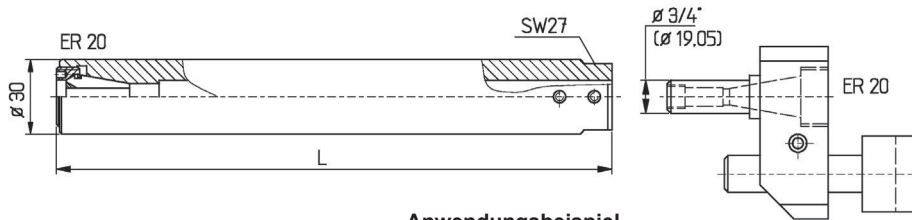


Bohrpinolen für TRAUB A15-20-25 / STREICHER-Automaten

Collet Holders for TRAUB A15-20-25 / STREICHER-Lathes

Für Spannzange ER20 und Revolverwerkzeuge 3/4"

For collets ER20 and tools for revolving machines 3/4"



Anwendungsbeispiel
example



2

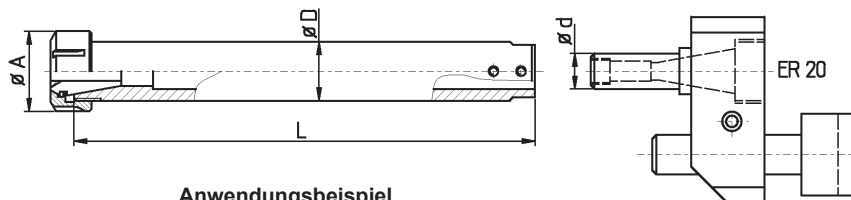
Bestell-Nr. order-no.	L	Spannbereich range	Orig.-Nr. orig.-no.
RFP15/25	180mm / auch kürzer lieferbar - <i>Also available shorter</i>	0,5-13mm	
RFP 25	240mm / auch kürzer lieferbar - <i>Also available shorter</i>	0,5-13mm	
RFP A25	240mm/180mm	Zange - <i>collet</i> 324E	666 333

Bohrpinolen für TRAUB A42-60 / Mehrspindel-Automaten

Collet Holders for TRAUB A42-60 / Multi-Spindle-Lathes

Für Spannzange ER und Revolverwerkzeuge 3/4" + 1"

For collets ER and tools for revolving machines 3/4" + 1"



Anwendungsbeispiel
example

Bestell-Nr. order-no.	Typ / max. Spann- \varnothing type / max. clamp- \varnothing	D	A	L	d
RFP2525	ER25 / 16mm	30	35	180	3/4"
RFP42	ER32 / 20mm	40	50	240	1"
EU3240190	ER32 / 20mm	40	50	190	1"
RFP4260	ER40 / 30mm	40	63	240	1"
U131.21.00	ER32 / 20mm	44,45	50	213	1"
U131.28.00	ER40 / 30mm	50	63	200	1"
U131.26.00	ER40 / 30mm	50,8	63	200	1"

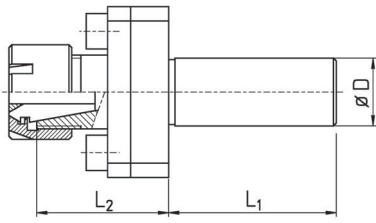
2.1 - 26**ER-Zangenspannfutter**
*ER-Collet Holders***2****Zangenspannfutter**
*Collet Holders***BRITSCH**
Spannzeuge GmbH**ER-Zangenspannfutter**
2 Achsen verstellbar**ER-Collet Holders**
2 Axis Adjustable

Bild 1

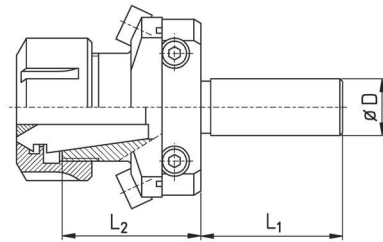


Bild 2



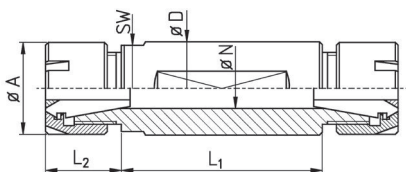
Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	Bild	Mutter nut	Schlüssel spanner
V154.710	ER11	10	40	31	1	ER11M	GS17
V154.712	ER11	12	40	31	1	ER11M	GS17
V154.714	ER11	14	40	31	1	ER11M	GS17
V154.715	ER11	5/8"	40	31	1	ER11M	GS17
V154.716	ER11	16	50	31	1	ER11M	GS17
V154.015	ER16	5/8"	40	36	1	ER16M	GS25
V154.016	ER16	16	50	36	1	ER16M	GS25
V154.019	ER16	3/4"	50	36	1	ER16M	GS25
V154.020	ER16	20	50	36	1	ER16M	GS25
V154.022	ER16	22	70	36	1	ER16M	GS25
V154.025	ER16	25	70	36	1	ER16M	GS25
V154.026	ER16	1"	70	36	1	ER16M	GS25
V154.219	ER20	3/4"	44	43	2	UM/ER20	GS30
V154.220	ER20	20	44	43	2	UM/ER20	GS30
V154.322	ER32	22	50	46	2	UM/ER32	E32
V154.325	ER32	25	50	46	2	UM/ER32	E32
V154.326	ER32	1"	50	46	2	UM/ER32	E32
V154.330	ER32	30	50	46	2	UM/ER32	E32
V154.331	ER32	1 1/4"	50	46	2	UM/ER32	E32
V154.332	ER32	32	50	46	2	UM/ER32	E32

ER-Doppelhalter
für CNC-Maschinen mit Abgreifspindel

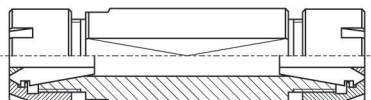
ER-Double Holders
for CNC-Lathes with Subspindle

Ausführungen:
Versions:

FL: Spannfläche abgesetzt
FL: Enclosed clamping flat



WD: Spannfläche durchgehend
WD: Clamping flat throughout



2

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	A	N	SW	Mutter nut	Schlüssel spanner
ED085829WD	ER08	5/8"	29	9	12	5,5	14	ER08M	E08M
ED085835WD	ER08	5/8"	35	10	12	5,5	14	ER08M	E08M
ED085840WD	ER08	5/8"	40	10	12	5,5	14	ER08M	E08M
ED085845WD	ER08	5/8"	45	10	12	5,5	14	ER08M	E08M
ED115832WD	ER11	5/8"	32	12	16	7,5	14	ER11M	E11M
ED111632WD	ER11	16	32	12	16	7,5	14	ER11M	E11M
ED111650WD	ER11	16	50	12	16	7,5	14	ER11M	E11M
ED111672WD	ER11	16	72	12	16	7,5	14	ER11M	E11M
ED1116100WD	ER11	16	100	12	16	7,5	14	ER11M	E11M
ED111932WD	ER11	3/4"	32	12	16	7,5	17	ER11M	E11M
ED111940WD	ER11	3/4"	40	12	16	7,5	17	ER11M	E11M
ED111952WD	ER11	3/4"	52	12	16	7,5	17	ER11M	E11M
ED111965WD	ER11	3/4"	65	12	16	7,5	17	ER11M	E11M
ED111972WD	ER11	3/4"	72	12	16	7,5	17	ER11M	E11M
ED111995WD	ER11	3/4"	95	12	16	7,5	17	ER11M	E11M
ED112032WD	ER11	20	32	10	16	7,5		ER11M	E11M
ED112040WD	ER11	20	40	10	16	7,5	17	ER11M	E11M
ED112050WD	ER11	20	50	10	16	7,5	17	ER11M	E11M
ED112065WD	ER11	20	65	12	16	7,5	17	ER11M	E11M
ED112080WD	ER11	20	80	12	16	7,5	17	ER11M	E11M
ED112232WD	ER11	22	32	12	16	7,5	19	ER11M	E11M
EDU112295WD	ER11	22	95	12	16	7,5	19	UM/ER11	GS17
EDU1122100WD	ER11	22	100	12	16	7,5	19	UM/ER11	GS17
ED161928FL	ER16	3/4"	28	14	22	11	17	ER16M	E16M
ED161934FL	ER16	3/4"	34	14	22	11	17	ER16M	E16M
ED161937FL	ER16	3/4"	37	12	22	11	17	ER16M	E16M
ED161958FL	ER16	3/4"	58	13	22	11	17	ER16M	E16M
ED161967WD	ER16	3/4"	67	14	22	11	17	ER16M	E16M
ED161975FL	ER16	3/4"	75	14	22	11	17	ER16M	E16M
ED161995FL	ER16	3/4"	95	15	22	11	17	ER16M	E16M
ED1619100FL	ER16	3/4"	100	15	22	11	17	ER16M	E16M
ED162032WD	ER16	20	32	15	22	11	17	ER16M	E16M
ED162050WD	ER16	20	50	15	22	11	17	ER16M	E16M
ED162055FL	ER16	20	55	15	22	11	17	ER16M	E16M
ED162062FL	ER16	20	62	15	22	11	17	ER16M	E16M
ED162075FL	ER16	20	75	15	22	11	17	ER16M	E16M
ED162240WD	ER16	22	40	15	22	11	19	ER16M	E16M
ED162248WD	ER16	22	48	15	22	11	19	ER16M	E16M
ED162255WD	ER16	22	55	15	22	11	19	ER16M	E16M
ED162262WD	ER16	22	62	15	22	11	19	ER16M	E16M

2.2 - 2

ER-Doppelhalter ER-Double Holders

2

Zangenspannfutter Collet Holders

BRITSCH
Spannzeuge GmbH

**ER-Doppelhalter
für CNC-Maschinen mit Abgreifspindel**

**ER-Double Holders
for CNC-Lathes with Subspindle**

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	A	N	SW	Mutter nut	Schlüssel spanner
ED162267WD	ER16	22	67	12	22	11	19	ER16M	E16M
ED162275WD	ER16	22	75	13	22	11	19	ER16M	E16M
ED162275	ER16	22	75	13	22	11	19	ER16M	E16M
ED162284WD	ER16	22	84	16	22	11	19	ER16M	E16M
ED162290WD	ER16	22	90	16	22	11	19	ER16M	E16M
ED162295WD	ER16	22	95	16	22	11	19	ER16M	E16M
ED1622100WD	ER16	22	100	16	22	11	19	ER16M	E16M
ED1622120WD	ER16	22	120	15	22	11	19	ER16M	E16M
ED162360WD	ER16	23	60	16	22	11	19	ER16M	E16M
ED162562WD	ER16	25	62	16	22	11	22	ER16M	E16M
ED162621WD	ER16	1"	21	14	22	11	22	ER16M	E16M
ED162635WD	ER16	1"	35	14	22	11	22	ER16M	E16M
ED162635FL	ER16	1"	35	15	22	11	22	ER16M	E16M
ED162645FL	ER16	1"	45	15	22	11	22	ER16M	E16M
ED162645WD	ER16	1"	45	15	22	11	22	ER16M	E16M
ED162662WD	ER16	1"	62	16	22	11	22	ER16M	E16M
ED162668WD	ER16	1"	68	14	22	11	22	ER16M	E16M
ED162675FL	ER16	1"	75	15	22	11	22	ER16M	E16M
ED162680WD	ER16	1"	80	17	22	11	22	ER16M	E16M
EDU162680WD	ER16	1"	80	17	22	11	22	UM/ER16	GS25
ED202548WD	ER20	25	48	16	28	14	22	ER20M	E20M
ED202575WD	ER20	25	75	16	28	14	22	ER20M	E20M
ED2025100WD	ER20	25	100	15	28	14	22	ER20M	E20M
ED202645WD	ER20	1"	45	16	28	14	22	ER20M	E20M
ED202675WD	ER20	1"	75	15	28	14	22	ER20M	E20M
ED203220WD	ER20	32	20	18	28	14	-	ER20M	E20M
ED203235WD	ER20	32	35	18	28	14	-	ER20M	E20M
ED203243WD	ER20	32	43	18	28	14	27	ER20M	E20M
ED203243FL	ER20	32	43	18	28	14	27	ER20M	E20M
ED203248WD	ER20	32	48	18	28	14	27	ER20M	E20M
ED203255WD	ER20	32	55	18	28	14	27	ER20M	E20M
ED203285WD	ER20	32	85	18	28	14	27	ER20M	E20M
EDU253252WD	ER25	32	52	16	40	17	-	UM/ER25	E25

ER-Doppelhalter können gegen Aufpreis auf AK1-Anschluss (G1/8") umgearbeitet werden
ER-double holders can be changed to AK1-inner-coolant (G1/8") for extra charge

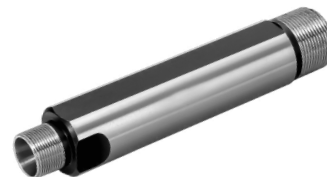
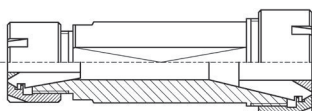
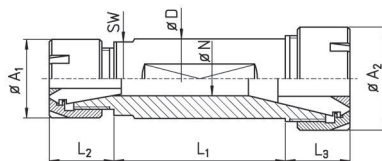
ER-Doppelhalter
mit unterschiedlichen Zangengrößen

ER-Double Holders
with Different Collet Types

Ausführungen:
Versions:

FL: Spannfläche abgesetzt
FL: Enclosed clamping flat

WD: Spannfläche durchgehend
WD: Clamping flat throughOut



2

Bestell-Nr. order-no.	Zangen collets	D	L ₁	L ₂	L ₃	A ₁	A ₂	N	SW	Mutter nut	Schlüssel spanner	Bild
ED11/161680FL	ER11/16	16	80	12	21	16	22	7,5	17	ER11M/ER16M	E11M/E16M	
ED11/161933FL	ER11/16	3/4"	33	12	14	16	22	7,5	17	ER11M/ER16M	E11M/E16M	
ED11/161955FL	ER11/16	3/4"	55	12	13	16	22	7,5	17	ER11M/ER16M	E11M/E16M	
ED11/161965WD	ER11/16	3/4"	65	19	23	16	22	7,5	17	ER11M/ER16M	E11M/E16M	
ED11/161983FL	ER11/16	3/4"	83	12	12	16	22	7,5	17	ER11M/ER16M	E11M/E16M	
ED11/161996FL	ER11/16	3/4"	96	12	14	16	22	7,5	17	ER11M/ER16M	E11M/E16M	
ED11/162032WD	ER11/16	20	32	12	15	16	22	7,5	17	ER11M/ER16M	E11M/E16M	
ED11/162055WD	ER11/16	20	55	12	15	16	22	7,5	17	ER11M/ER16M	E11M/E16M	
ED11/162075WD	ER11/16	20	75	10	15	16	22	7,5	17	ER11M/ER16M	E11M/E16M	
ED11/162082WD	ER11/16	20	82	11	12	16	22	7,5	-	UM/ER11/UM/ER16	GS17/GS25	
ED11/162290WD	ER11/16	22	90	12	16	19	22	7,5	19	UM/ER11/ER16M	GS17/E16M	
ED11/162292FL	ER11/16	22	92	12	16	19	22	7,5	19	UM/ER11/ER16M	GS17/E16M	
ED16/202265	ER16/20	22	65	23	25	22	28	11	19	ER16M/ER20M	E16M/E20M	
ED16/202630WD	ER16/20	1"	30	16	16	22	28	11	-	ER16M/ER20M	E16M/E20M	
ED16/202660FL	ER16/20	1"	60	15	15	22	28	11	22	ER16M/ER20M	E16M/E20M	
ED16/252560WD	ER16/25	25	60	12	14	22	35	11	23	ER16M/ER25M	E16M/E25M	
ED20/252562WD	ER20/25	25	62	25	34	28	35	14	27	ER20M/ER25M	E20M/E25M	
ED20/252575WD	ER20/25	25	75	18	18	28	35	14	27	ER20M/ER25M	E20M/E25M	
ED20/252662WD	ER20/25	1"	62	25	34	28	35	14	27	ER20M/ER25M	E20M/E25M	
ED20/253250WD	ER20/25	32	50	25	34	28	35	14	27	ER20M/ER25M	E20M/E25M	
ED20/253255WD	ER20/25	32	55	18	18	28	35	14	27	ER20M/ER25M	E20M/E25M	

2.2 - 4

ER-Doppelhalter ER-Double Holders

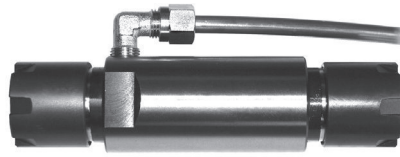
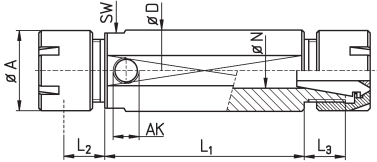
2

Zangenspannfutter Collet Holders

BRITSCH
Spannzeuge GmbH

**ER-Doppelhalter
mit innerer Kühlmittelzufuhr**

**ER-Double Holders
with Inner Coolant**



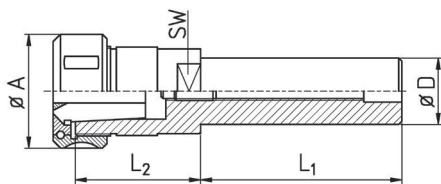
Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	L ₃	A	N	AK	SW	Mutter nut	Schlüssel spanner	Bild
ED11/162280AK1WD	ER11/16	22	80	13	16	19/22	7,5	G1/8"	-	ERC11/ERC16M	GS17/E16M	
ED11/162295AK0WD	ER11/16	22	95	13	16	19/22	7,5	M12x1	-	ERC11/ERC16M	GS17/E16M	
ED11/162295AK1WD	ER11/16	22	95	13	16	19/22	7,5	G1/8"	-	ERC11/ERC16M	GS17/E16M	
ED11/162295AK2WD	ER11/16	22	95	13	16	19/22	7,5	M8x1	-	ERC11/ERC16M	GS17/E16M	
ED11/162295AK3WD	ER11/16	22	95	13	16	19/22	7,5	M10x1	-	ERC11/ERC16M	GS17/E16M	
ED162065AK1WD	ER16	20	65	16	16	22	11	G1/8"		ERC16M	E16M	
ED162254AK1WD	ER16	22	54	16	16	22	11	G1/8"		ERC16M	E16M	
ED162257AK1WD	ER16	22	57	16	16	22	11	G1/8"		ERC16M	E16M	
ED162267AK1WD	ER16	22	67	16	16	22	11	G1/8"	-	ERC16M	E16M	
ED162270AK0WD	ER16	22	70	16	16	22	11	M12x1	19	ERC16M	E16M	
ED162270AK1WD	ER16	22	70	16	16	22	11	G1/8"	19	ERC16M	E16M	
ED162270AK2WD	ER16	22	70	16	16	22	11	M8x1	19	ERC16M	E16M	
ED162270AK3WD	ER16	22	70	16	16	22	11	M10x1	19	ERC16M	E16M	
ED162289AK1WD	ER16	22	89	15	15	22	11	G1/8"		ERC16M	E16M	
ED162294AK1WD	ER16	22	94	15	15	22	11	G1/8"		ERC16M	E16M	
ED1622100AK1WD	ER16	22	100	16	16	22	11	G1/8"	-	ERC16M	E16M	
ED16/202250AK1WD	ER16/20	22	50	16	18	22/28	11	G1/8"		ERC16M/ERC20M	E16M/E20M	
ED16/202260AK1WD	ER16/20	22	60	16	18	22/28	11	G1/8"		ERC16M/ERC20M	E16M/E20M	
ED16/202265AK1WD	ER16/20	22	60	16	18	22/28	11	G1/8"		ERC16M/ERC20M	E16M/E20M	
ED16/202270AK1WD	ER16/20	22	60	15	15	22/28	11	G1/8"	19	ERC16M/ERC20M	E16M/E20M	
ED203244AK2WD	ER20	32	44	18	18	28	14	M8x1		ERC20M	E20M	
ED203255AK1WD	ER20	32	55	18	18	28	14	G1/8"	27	ERC20M	E20M	
ED203255AK2WD	ER20	32	55	18	18	28	14	M8x1	27	ERC20M	E20M	
ED203265AK1WD	ER20	32	65	18	18	28	14	G1/8"	-	ERC20M	E20M	
ED203270AK1WD	ER20	32	71	18	18	28	14	G1/8"		ERC20M	E20M	
ED203285AK1WD	ER20	32	85	18	18	28	14	G1/8"	27	ERC20M	E20M	
ED253255AK1WD	ER25	32	55	19	19	35	18	G1/8"		ERC25M	E25M	

Alle Halter AK0 können auf AK1 - AK3 reduziert werden

For all holders AK0 a reduction to AK1 - AK3 is possible

Zangenspannfutter DIN 6388
mit Zylinderschaft

Collet Holders DIN 6388
with Cylindrical Shank



Bestell-Nr. order-no.	Zange Form A collet type A	Zange Form B collet type B	D	L ₁	L ₂	A	SW	Mutter nut
EOZ162050	410E	415E	20	50	40	43	-	OZ16
EOZ162095	410E	415E	20	95	40	43	-	OZ16
EOZ1620160	410E	415E	20	160	40	43	-	OZ16
EOZ162550WD	410E	415E	25	50	40	43	30	OZ16
EOZ1625208	410E	415E	25	208	42	43	-	OZ16
EOZ252560	444E	462E	25	60	60	58	-	OZ25
EOZ253268WD	444E	462E	32	68	52	58	-	OZ25
EOZ254080WD	444E	462E	40	80	25	58	-	OZ25
EOZ254080WD	444E	462E	40	80	36	58	41	OZ25
EOZ255075	444E	462E	50	75	25	58	-	OZ25
EOZ255080WD	444E	462E	50	80	25	58	-	OZ25
EOZ255080	444E	462E	50	80	25	58	-	OZ25
EOZ3232100	450E	467E	32	100	67	72	46	OZ32
EOZ3232100WD	450E	467E	32	100	67	72	46	OZ32

2.3 - 2

Zangenspannfutter DIN 6388
Collet Holders DIN 6388

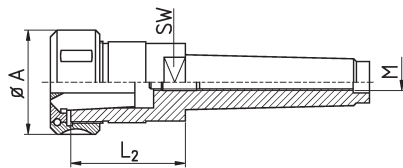
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Zangenspannfutter
Collet Holders

BRITSCH
Spannzeuge GmbH

Zangenspannfutter DIN 6388
mit Morsekonus DIN 2207

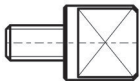
Collet Holder DIN 6388
with Morse Taper DIN 2207



Bestell-Nr. order-no.	Typ type	Zange Form A collet type A	Zange Form B collet type B	M	L ₂	A	SW	Mutter nut
EOZ16702	MK2 / Gr.16	410E	415E	M10	45	43	24	OZ16
EOZ25702	MK2 / Gr.25	444E	462E	M10	55	58	41	OZ25
EOZ16703	MK3 / Gr.16	410E	415E	M12	41	43	24	OZ16
EOZ25703	MK3 / Gr.25	444E	462E	M12	59	58	32	OZ25
EOZ16704	MK4 / Gr.16	410E	415E	M16	32	43	30	OZ16
EOZ25704	MK4 / Gr.25	444E	462E	M16	62	58	32	OZ25
EOZ32704	MK4 / Gr.32	450E	467E	M16	67	72	45	OZ32
EOZ40704	MK4 / Gr.40	453E	468E	M16	88	85	45	OZ40
EOZ16705	MK5 / Gr.16	410E	415E	M20		43		OZ16
EOZ25705	MK5 / Gr.25	444E	462E	M20	55	58	45	OZ25
EOZ32705	MK5 / Gr.32	450E	467E	M20	61	72	45	OZ25
EOZ40705	MK5 / Gr.40	453E	468E	M20	88	85	45	OZ40

Austreiberlappen für MK-Futter

Ejector Drift for MT-Holders

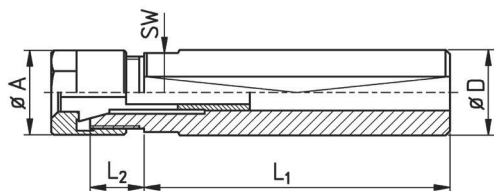


Siehe 2.1 - 22

see 2.1 - 22

Zangenspannfutter für Zangen Reihe 100
mit Zylinderschaft

Collet Holders for Collets Type 100
with Cylindrical Shank



2

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	A	SW	Mutter nut
EF101/1630	101E / F8	16	30	18	20	14	UM/E101
EF101/1635	101E / F8	16	35	18	20	14	UM/E101
EF101/1680	101E / F8	16	80	18	20	14	UM/E101
EF101/1970	101E / F8	3/4"	70	18	20	17	UM/E101
EF101/19125	101E / F8	3/4"	125	18	20	17	UM/E101
EF101/2070	101E / F8	20	70	18	20	17	UM/E101
EF101/20125	101E / F8	20	125	18	20	17	UM/E101
EF101/22125	101E / F8	22	125	18	20	17	UM/E101
EF109/2270	109E / F10	22	70	24	28	19	UM/E101
EF109/22125	109E / F10	22	125	24	28	19	UM/E101

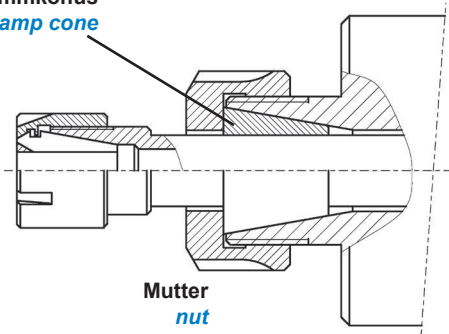
Klemmkonusse

Clamp Cones

Für Zangenaufnahmen Reihe 100 (Typ F)

For collet holders type 100 (type F)

Klemmkonus
clamp cone



Bestell-Nr. order-no.	Typ type	ersetzt Zange Nr. replaces collet no.
KKF7-15	7 - 15°	1020E / F7
KKF7-16	7 - 16°	1010E / F7
KKF8-16	8 - 16°	101E / F8
KKF8-21	8 - 21°	102E
KKF10-20	10 - 20°	109E / 111E / F10
KKF12-16	12 - 16°	1155E / F12
KKF15-16	15 - 16°	120E / F15
KKF16-15	16 - 15°	123E / F16
KKF16-16	16 - 16°	F16
KKF18-15	18 - 15°	127E / F18
KKF20-15	20 - 15°	für/for Gildemeister AS16/20

Muttern = Überwurfmutter für F-Spannzangen, tw. lieferbar auf Anfrage
Nuts = Cap nuts for collets type F, some available on request

2.4 - 2

Zangenspannfutter Reihe 100
Collet Holders Type 100

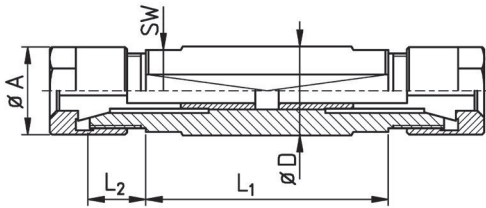
2

Zangenspannfutter
Collet Holders

BRITSCH
Spannzeuge GmbH

Doppelhalter für Zangen Reihe 100
mit Zylinderschaft

Double Holders for Collets Type 100
with Cylindrical Shank



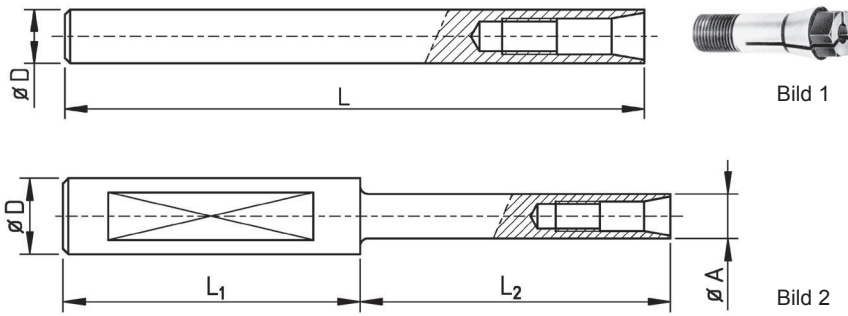
Bestell-Nr. order-no.	Zange collet	D	L_1	L_2	A	SW	Mutter nut
EDF101/1952	101E / F8	3/4"	52	21	20	17	UM/E101
EDF101/2052	101E / F8	20	52	21	20	17	UM/E101
EDF109/2295	109E / F10	22	95	24	28	19	UM/E101

Zangenspannfutter für Zangen Reihe 600

Collet Holders for Collets Type 600

Aufnahmen gehärtet und geschliffen

Holders are hardened and ground



2

Bestell-Nr. order-no.	Zange collet	D	L	L ₁	L ₂	A	Bild
E6023/06100	6023E	6	100	80	20	7,2	2
E6023/07100	6023E	7,2	100	-	-	-	1
E6023/0870	6023E	8	70	-	-	-	1
E6023/08100	6023E	8	100	-	-	-	1
E6023/08150	6023E	8	150	-	-	8	1
E6023/08200	6023E	8	200	-	-	8	1
E6023/08250	6023E	8	250	-	-	8	1
E6023/08300	6023E	8	300	-	-	8	1
E6023/08350	6023E	8	350	-	-	8	1
E6023/08400	6023E	8	400	-	-	8	1
E6043/0920	6043E	9	20	-	-	-	1
E6043/0930	6043E	9	30	-	-	-	1
E6043/0940	6043E	9	40	-	-	-	1
E6043/09100	6043E	9	100	-	-	-	1
E6043/10100	6043E	10	100	50	50	9	2
E6043/10100	6043E	10	100	-	-	-	1
E600/10100	600E	10	100	-	-	-	1
E600/10125	600E	10	125	-	-	-	1
E600/1290	600E	12	90	-	-	-	-
E600/2080	600E	20	80	28	52	14	2
E600/2090	600E	20	90	18	72	13	2
E600/20120	600E	20	120	68	52	14	2
E601/12100	601E	12	100	-	-	-	1
E601/12160	601E	12	160	-	-	-	1
E601/1680	601E	16	80	-	-	-	1
E601/16100	601E	16	100	-	-	-	1
E601/16160	601E	16	160	-	-	-	1
E601/1890	601E	18	90	-	-	-	-
E601/2080	601E	20	80	28	52	14	2
E601/2090	601E	20	90	18	72	14	2
E601/20100	601E	20	100	48	52	14	2
E601/20120	601E	20	120	68	52	14	2
E601/20120L	601E	20	120	48	72	14	2
E601/20140	601E	20	140	70	70	14	2

Aus Vergütungsstahl
Klemmfläche oder Durchgangsbohrungen mit Aufpreis

Material: Heat-treated steel
Clamping flat or through-bore for extra charge

Spannzangenreduktionen / -verlängerungen für Spannzangen Reihe 600E

Collet Reduction Sleeves and Extensions for Collets Type 600E

Siehe Kap. 3.2

see chapter 3.2

2.6

Zangenspannfutter für
JACOBS Rubber-Flex Zangen
Collet Holders JACOBS Rubber-Flex

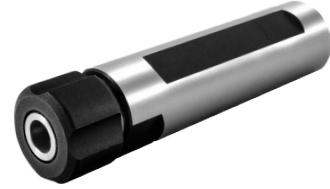
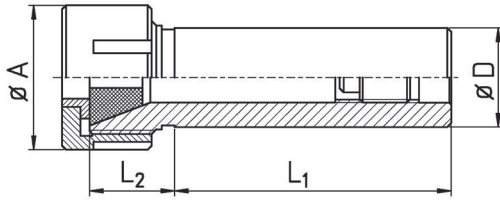
2

Zangenspannfutter
Collet Holders

BRITSCH
Spannzeuge GmbH

Zangenspannfutter
für JACOBS Rubber-Flex Spannzangen

Collet Holders
for JACOBS Rubber-Flex Collets



Bestell-Nr. order-no.	Orig. Nr. TRAUB / INDEX orig.-no. TRAUB / INDEX	Zange collet	D	L ₁	L ₂	A	Bereich range	Mutter nut
ROZ 3160		41	5/8"	46	19	21	1 - 6,5	ROZ 3157
ROZ 3161	Tb 315 003 W12.126.0046	41	3/4"	46	19	21	1 - 6,5	ROZ 3157
ROZ 3162*		41	16mm	46	19	21	1 - 6,5	ROZ 3157
ROZ 3163*		41	20mm	46	19	21	1 - 6,5	ROZ 3157
ROZ 3164		41	20	70	19	21	1 - 6,5	ROZ 3157
ROZ 3170	Tb 315 005 W12.121.0046	42	3/4"	46	19	31	2 - 10	ROZ 3158
ROZ 3171	Tb 614 666	42	1"	46	19	31	2 - 10	ROZ 3158
ROZ 3172*		42	25mm	46	19	31	2 - 10	ROZ 3158
ROZ 3173*		42	20mm	46	19	31	2 - 10	ROZ 3158
ROZ 3180	Tb 614 665 W32.121.00	44	1"	46	33	40	1,8 - 13 (15)	ROZ 3159
ROZ 3181	W52.131.00	44	1 1/4"	46	33	40	1,8 - 13 (15)	ROZ 3159
ROZ 3182*		44	25mm	46	33	40	1,8 - 13 (15)	ROZ 3159
ROZ 3183		44	30mm	60	33	40	1,8 - 13 (15)	ROZ 3159
ROZ 3184*		44	20mm	46	33	40	1,8 - 13 (15)	ROZ 3159
ROZ 3185		44	3/4"	46	33	40	1,8 - 13 (15)	ROZ 3159

* Auch mit Klemmfläche lieferbar

Also available with camping flat

Quick Change Tool Systems



Schnellwechselsysteme

3.1

Collet Reduction Sleeves



Spannzangenreduktionen

3.2

Milling Arbors



Fräsdorne

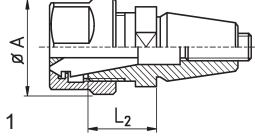
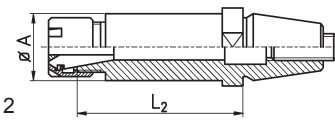
3.3

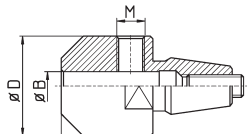

Schnellwechsel-System Einsätze
für Standard-Zangenaufnahmen ER20

Quick Change System Inserts
for Standard Collets ER20

Für Schnellwechselsystem Muttern SM20

For Quick Change System Nuts SM20

Zangenfutter - Collets	Bestell-Nr. order-no.	Zange type	A	L ₂	Mutter nut	Schlüssel spanner	Bild
 Bild 1	E20/ER08M	ER08	12		ER08M	E08M	2
	E20/ER11M	ER11	16	26	ER11M	E11M	2
 Bild 2	E20/ER16M	ER16	22	25	ER16M	E16M	2
	E20/ER16ML	ER16	22	35	ER16M	E16M	2
	E20/ER16	ER16	28	25	UM/ER16	GS20	1
	E20/ER20M	ER20	28	34	ER20M	E20M	2
	E20/ER20	ER20	35	34	UM/ER20	GS30	1

Weldon Aufnahmen - Weldon Holders	Bestell-Nr. order-no.	Zange type	B	D	M
 	E20/WD6	ER20	6	27	M6
	E20/WD8	ER20	8	27	M8
	E20/WD10	ER20	10	33	M10
	E20/WD12	ER20	12	36	M10

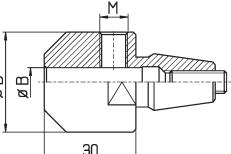

Schnellwechsel-System Einsätze
für Standard-Zangenaufnahmen ER25

Quick Change System Inserts
for Standard Collets ER25

Für Schnellwechselsystem Muttern SM25

For Quick Change System Nuts SM25

Zangenfutter - Collets	Bestell-Nr. order-no.	Zange type	A	L ₂	Mutter nut	Schlüssel spanner	Bild
 Bild 1	E25/ER11M	ER11	16	34	ER11M	E11M	2
	E25/ER16M	ER16	22	32	ER16M	E16M	2
 Bild 2	E25/ER16ML	ER16	22	58	ER16M	E16M	2
	E25/ER16	ER16	28	32	UM/ER16	GS25	1
	E25/ER20	ER20	35	33	UM/ER20	GS30	1
	E25/ER20M	ER25	42	42	ER20M	E25M	1
	E25/ER25	ER25	42	42	UM/ER25	E25	1
E25/ER25M	ER25	43	35	ER 25 M	E25M	2	

Weldon Aufnahmen - Weldon Holders	Bestell-Nr. order-no.	Zange type	B	D	M
 	E25/WD6	ER25	6	27	M6
	E25/WD8	ER25	8	27	M8
	E25/WD10	ER25	10	33	M10
	E25/WD12	ER25	12	36	M10
	E25/WD16	ER25	16	40	M10

3.1 - 2

Schnellwechselsysteme Quick Change Tool Systems

3

Schnellwechselsysteme,
Reduktionen, Fräsdorne
Quick Change Tool Systems,
Reductions, Milling Arbors

BRITSCH
Spannzeuge GmbH

Schnellwechsel-System Einsätze für Standard-Zangenaufnahmen ER32

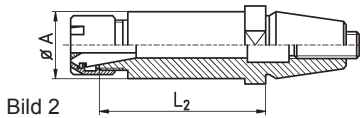
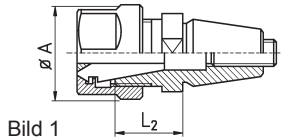
Quick Change System Inserts for Standard Collets ER32

Für Schnellwechselsystem Muttern SM32

For Quick Change System Nuts SM32

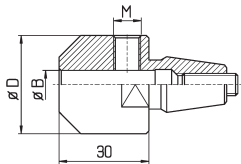
Zangenfutter - Collets

Bestell-Nr. order-no.	Zange type	A	L ₂	Mutter nut	Schlüssel spanner	Bild
E32/ER16M	ER16	22		ER16M	E16M	2
E32/ER16ML	ER16	22	60	ER16M	E16M	2
E32/ER16	ER16	22	25	UM/ER16	GS25	1
E32/ER20	ER20	34	29	UM/ER20	E20	1
E32/ER25	ER25	42	35	UM/ER25	E25	1
E32/ER32	ER32	50	38	UM/ER32	E32	1



Weldon Aufnahmen - Weldon Holders

Bestell-Nr. order-no.	Zange type	B	D	M
E32/WD6	ER32	6	27	M6
E35/WD8	ER32	8	27	M8
E32/WD10	ER32	10	33	M10
E32/WD12	ER32	12	36	M10
E32/WD16	ER32	16	36	M10
E32/WD20	ER32	20	40	M10



Schnellwechselsystem Muttern

Quick Change System Nuts

Siehe Kap. 1.3

see chapter 1.3

**Spannzangenreduktionen
mit Überwurfmutter UF**

**Collet Reduction Sleeves
with Cap Nut UF**

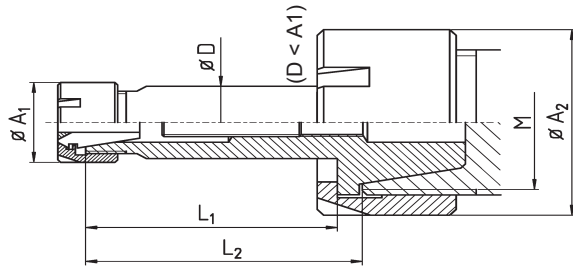


Bild 2

Bestell-Nr. order-no.	Kegel cone	Zange collet	UF-Mutter, Gewinde cap nut, thread M	A ₁	A ₂	L ₁	L ₂	L	G
EQ11M/ER08	ER11	ER08	M13 x 0,75	12	19	8		28	M4
EQ11/ER08	ER11	ER08	M14 x 0,75	12	20	8		28	M4
EQ11M/ER16M	ER11	ER16 #	M13 x 0,75	22	19	27		47	-
EQ11/ER16M	ER11	ER16 #	M14 x 0,75	22	20	27		47	-
EQ11M/ER16	ER11	ER16 #	M13 x 0,75						
EQ11/ER16	ER11	ER16 #	M14 x 0,75	22	20	38	41	56	-
EQ16M/F8L	ER16	F8	M19 x 1	20	SW22	50,5	53,5	70	M8
EQ16/F8L	ER16	F8	M22 x 1,5 *	20	28	50,5	53,5	70	M8
EQ16M/F8	ER16	F8	M19 x 1	20	SW22	31	34	53	M8
EQ16/F8	ER16	F8	M22 x 1,5 *	20	28	31	34	53	M8
EQ16M/ER08M	ER16	ER08	M19 x 1	12	SW22	27	30	48	M8
EQ16/ER08M	ER16	ER08	M22 x 1,5	12	28	27	30	48	M8
EQ16M/ER08ML	ER16	ER08	M19 x 1	12	SW22	44	47	66	M8
EQ16/ER08ML	ER16	ER08	M22 x 1,5	12	28	44	47	66	M8
EQ16M/ER08M-HS207**	ER16	ER08	M19 x 1	12	SW22				M8
EQ16/ER08M-HS207**	ER16	ER08	M22 x 1,5	12	28				M8
EQ16M/ER11M	ER16	ER11	M19 x 1	16	SW22	16	19	38	M8
EQ16/ER11M	ER16	ER11	M22 x 1,5 *	16	28	16	19	38	M8
EQ16M/ER11ML	ER16	ER11	M19 x 1	16	SW22	32	35	53	M8
EQ16/ER11ML	ER16	ER11	M22 x 1,5 *	16	28	32	35	53	M8
EQ16M/ER11MXL	ER16	ER11	M19 x 1	16	SW22	53	56	75	M8
EQ16/ER11MXL	ER16	ER11	M22 x 1,5 *	16	28	53	56	75	M8
EQ20M/ER11M	ER20	ER16	M24 x 1	16	28	22	25	47	M8
EQ20/ER11M	ER20	ER16	M25 x 1,5	16	35	22	25	47	M8
EQ20M/ER16M	ER20	ER16	M24 x 1	22	28	22	25	48	M10
EQ20/ER16M	ER20	ER16	M25 x 1,5	22	35	22	25	48	M10
EQ25M/ER11M	ER25	ER11	M30 x 1	16	35	20	23	58	M12
EQ25/ER11M	ER25	ER11	M32 x 1,5	16	42	20	23	58	M10
EQ25M/ER11ML	ER25	ER11	M30 x 1	16	35	42	45	78	M12
EQ25/ER11ML	ER25	ER11	M32 x 1,5	16	42	42	45	78	M12
EQ25M/ER16M	ER25	ER16	M30 x 1	22	35	25	28	55	M12
EQ25/ER16M	ER25	ER16	M32 x 1,5	22	42	25	28	55	M12
EQ25M/ER16ML	ER25	ER16	M30 x 1	22	35	33	36	63	M12
EQ25/ER16ML	ER25	ER16	M32 x 1,5	22	42	33	36	63	M12
EQ25M/ER20	ER25	ER20	M30 x 1	34	35	16	19	50	M10
EQ25/ER20	ER25	ER20	M32 x 1,5	34	42	16	19	50	M10

Incl. Überwurfmutter

* Auch mit Mutter M22x1,25 (für TORNOS AS14/SAS16)

Vergrößerung auf ER16

** Zur Aufnahme von Zange und Säge (Bild 2)

Supplied with cap nut

* Also available with M22x1,25 (for TORNOS AS14 / SAS16)

Increases ER11 to ER16

** For collet and milling cutter (Bild 2)

Überwurfmuttern s. 1.3

Cap Nuts see 1.3

3.2 - 2

Spannzangenreduktionen Collet Reduction Sleeves

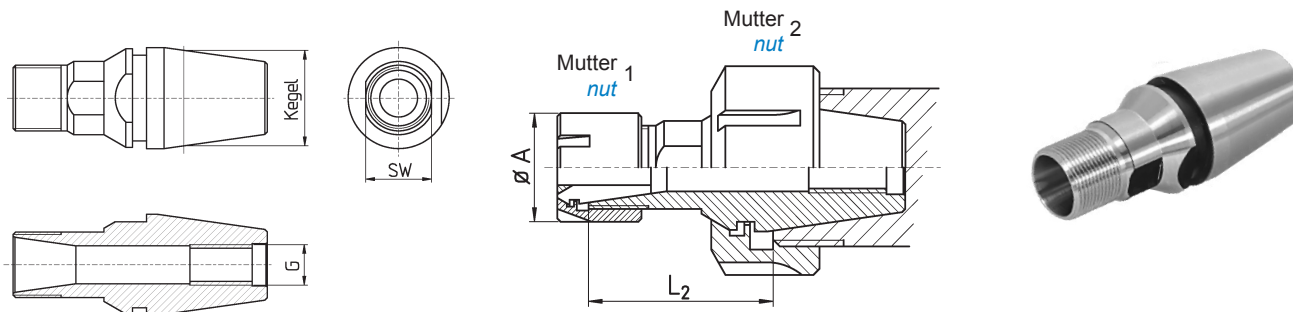
3

Schnellwechselsysteme,
Reduktionen, Fräsdorne
Quick change tool systems,
Reductions, Milling arbors

BRITSCH
Spannzeuge GmbH

Spannzangenreduktionen
mit Standardmutter

Collet Reduction Sleeves
with Standard Nut



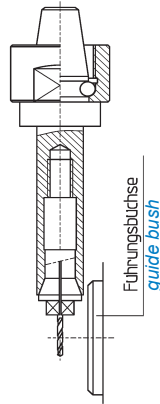
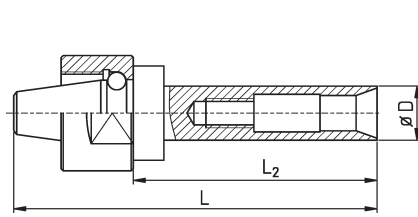
Bestell-Nr. order-no.	Kegel cone	Zange collet	Mutter nut 1	Mutter nut 2	A	L ₂	G	SW
EQS16M/ER11M	ER16	ER11	ER11M	ER16M	16	30	M8x1	22
EQS16/ER11M	ER16	ER11	ER11M	UM/ER16	16	28	M8x1	25
EQS20M/ER11M	ER20	ER11	ER11M	ER20M	16	24	M8x1	13
EQS20/ER11M	ER20	ER11	ER11M	UM/ER20	16	22	M8x1	14
EQS20M/ER16M	ER20	ER16	ER16M	ER20M	22	24	M8x1	13
EQS20/ER16M	ER20	ER16	ER16M	UM/ER20	22		M8x1	19
EQS25M/ER11M	ER25	ER11	ER11M	ER25M	16	35	M8x1	14
EQS25/ER11M	ER25	ER11	ER11M	UM/ER25	16	33	M8x1	14
EQS32/ER11M	ER32	ER11	ER11M	UM/ER32	16	25	M10x1	14

Incl. Mutter 1

Supplied with nut 1

**Spannzangenreduktionen
für Spannzangen Reihe 600
mit Überwurfmutter**

**Collet Reduction Sleeves
for Collets Type 600
incl. Cap Nut**



3

Bestell-Nr. order-no.	Kegel cone	Zange collet	UF-Mutter, Gewinde cap nut, thread M	D	L ₂	L
ZD72ER11	ER11	6023E	M14x0,75	7,2	18	38
ZD72ER11M	ER11	6023E	M13x0,75	7,2	18	38
ZD92ER11	ER11	ZB 6	M14x0,75	9,2	15	35
ZD92ER11M	ER11	ZB 6	M13x0,75	9,2	15	35
ZD92ER11L	ER11	ZB 6	M14x0,75	9,2	35	60
ZD92ER11ML	ER11	ZB 6	M13x0,75	9,2	35	60

Incl. Überwurfmutter Supplied with cap nut

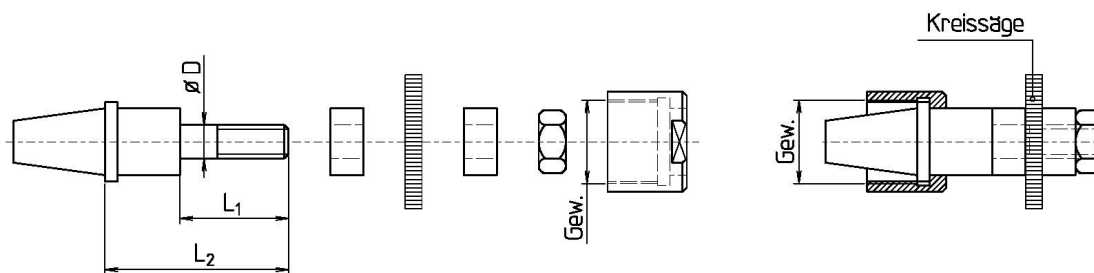
Überwurfmuttern s. 1.3 **Cap Nuts see 1.3**

Seite
Page

- 1 - 3** Fräsdorne "für" ER-Zangenaufnahmen mit Überwurfmutter
Milling Arbors for Collet Taper ER with Cap Nut
- 4 - 6** Fräsdorne "für" ER-Zangenaufnahmen mit Schnellwechsellmutter
Milling Arbors for Collet Holders ER for Quick Change Nut
- 4 - 6** Schlüssel für Fräsdornmuttern
Spanners for Milling Arbor Nuts
- 4 - 6** Fräsdornringe (Satz)
Set of Spacer Rings

Fräsdorne für Zangenaufnahmen ER8 / ER11 / ER16
mit Überwurfmutter UF

Milling Arbors for Collet Taper ER8 / ER11 / ER16
with Cap Nut UF



Bestell-Nr. order-no.	Typ type	Mutter nut	Gewinde der Mutter thread of nut	D	L ₁	L ₂	Schlüssel spanner
FD/ER08M-05	ER08	UF/ER08M	M10x0,75	5	25	29	N-5
FD/ER08M-06	ER08	UF/ER08M	M10x0,75	6	25	29	N-6
FD/ER08M-08	ER08	UF/ER08M	M10x0,75	8	25	29	GS14
FD/ER11M-05K	ER11	UF/ER11M	M13x0,75	5	18	23	N-6
FD/ER11M-05	ER11	UF/ER11M	M13x0,75	5	25	31	N-5
FD/ER11M-05L	ER11	UF/ER11M	M13x0,75	5	25	40	N-5
FD/ER11M-06	ER11	UF/ER11M	M13x0,75	6	18	23	N-6
FD/ER11M-06K	ER11	UF/ER11M	M13x0,75	6	17	23	N-6
FD/ER11M-06S	ER11	UF/ER11M	M13x0,75	6	21	26	N-6
FD/ER11M-08K	ER11	UF/ER11M	M13x0,75	8	21	26	GS14
FD/ER11M-08	ER11	UF/ER11M	M13x0,75	8	25	30	GS14
FD/ER11M-08L	ER11	UF/ER11M	M13x0,75	8	35	40	GS14
FD/ER11M-10K	ER11	UF/ER11M	M13x0,75	10	21	26	GS14
FD/ER11M-10	ER11	UF/ER11M	M13x0,75	10	25	30	GS14
FD/ER11M-13K	ER11	UF/ER11M	M13x0,75	13	24	32	SLF13
FD/ER11M-13	ER11	UF/ER11M	M13x0,75	13	28	33	SLF13
FD/ER11M-13L	ER11	UF/ER11M	M13x0,75	13	39	44	SLF13
FD/ER11-05K	ER11 *	UF/ER11	M14x0,75	5	18	23	N-5
FD/ER11-05	ER11 *	UF/ER11	M14x0,75	5	25	31	N-5
FD/ER11-05L	ER11 *	UF/ER11	M14x0,75	5	25	40	N-5
FD/ER11-06	ER11 *	UF/ER11	M14x0,75	6	18	23	N-6
FD/ER11-08K	ER11 *	UF/ER11	M14x0,75	8	21	26	GS14
FD/ER11-08	ER11 *	UF/ER11	M14x0,75	8	25	30	GS14
FD/ER11-08L	ER11 *	UF/ER11	M14x0,75	8	35	40	GS14
FD/ER11-10K	ER11 *	UF/ER11	M14x0,75	10	21	26	GS14
FD/ER11-10	ER11 *	UF/ER11	M14x0,75	10	25	30	GS14
FD/ER11-13K #	ER11 *	UF/ER11	M14x0,75	13	24	32	SLF13
FD/ER11-13 #	ER11 *	UF/ER11	M14x0,75	13	28	33	SLF13
FD/ER11-13L #	ER11 *	UF/ER11	M14x0,75	13	39	44	SLF13

Incl. Überwurfmutter

* Auch für ESX12-Futter lieferbar

L₂ ohne Fräseranzugsschraube

Supplied with cap nut

* Also available for ESX12 chuck

L₂ without lock screw

3.3 - 2

Fräsdorne Milling Arbors

3

Schnellwechselsysteme,
Reduktionen, Fräsdorne
Quick change tool systems,
Reductions, Milling arbors

BRITSCH
Spannzeuge GmbH

Fräsdorne für Zangenaufnahmen ER8 / ER11 / ER16
mit Überwurfmutter UF

Milling Arbors for Collet Taper ER8 / ER11 / ER16
with Cap Nut UF

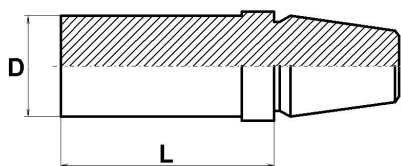
Bestell-Nr. order-no.	Typ type	Mutter nut	Gewinde der Mutter thread of nut	D	L ₁	L ₂	Schlüssel spanner
FD/ER16M-05K	ER16	UF/ER16M	M19x1	5	13	33	N-5
FD/ER16M-05	ER16	UF/ER16M	M19x1	5	15	42	N-5
FD/ER16M-06	ER16	UF/ER16M	M19x1	6	13	36	N-6
FD/ER16M-08	ER16	UF/ER16M	M19x1	8	26	42	GS14
FD/ER16M-08L	ER16	UF/ER16M	M19x1	8	35	50	GS14
FD/ER16M-10	ER16	UF/ER16M	M19x1	10	26	44	GS14
FD/ER16M-13 #	ER16	UF/ER16M	M19x1	13	26	42	SLF13
FD/ER16M-13L #	ER16	UF/ER16M	M19x1	13	35	50	SLF13
FD/ER16-05K	ER16	UF/ER16	M22x1,5	5	13	33	N-5
FD/ER16-05	ER16	UF/ER16	M22x1,5	5	15	42	N-5
FD/ER16-05L	ER16	UF/ER16	M22x1,5	5	26	41	
FD/ER16-06	ER16	UF/ER16	M22x1,5	6	13	36	N-6
FD/ER16-06L	ER16	UF/ER16	M22x1,5	6	26	44	
FD/ER16-08	ER16	UF/ER16	M22x1,5	8	26	42	GS14
FD/ER16-08L	ER16	UF/ER16	M22x1,5	8	35	50	GS14
FD/ER16-10	ER16	UF/ER16	M22x1,5	10	26	44	GS14
FD/ER16-10L	ER16	UF/ER16	M22x1,5	10	35	50	GS14
FD/ER16-13	ER16	UF/ER16	M22x1,5	13	26	42	SLF13
FD/ER16-13L #	ER16	UF/ER16	M22x1,5	13	35	50	SLF13

Incl. Überwurfmutter
L₂ ohne Fräseranzugsschraube

Supplied with cap nut
L₂ without lock screw

Fräsdorn Rohlinge für Standard-Zangenaufnahmen ER

Quick Change System Blanks for Standard Collet Taper ER / ESX



Bestell-Nr. order-no.	Für ER / ESX for ER / ESX	D	L
E20/R20	ER20	20	60
E20/R25	ER20	25	60
E20/R32	ER20	32	60
E25/R25	ER25	25	45
E25/R32	ER25	32	75
E32/R36	ER32	36	70

Nur Konus gehärtet und geschliffen
Taper hardened and ground, ground shank soft for finishing

Fräsdorne ER16, extra kurz
mit Überwurfmutter UF

Milling Arbors ER16,
Extra Short
with Cap Nut UF

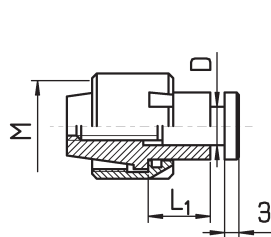


Bild 1

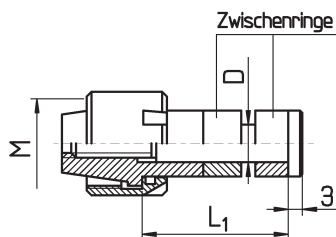


Bild 2



3

Bestell-Nr. order-no.	Type	Mutter nut	Gewinde der Mutter thread of nut	M	D	L ₁	Bild	Schlüssel spanner
FD/ER16-M08S	ER16	ER16M	M19x1		8	1 - 13	1	SW3
FD/ER16-M10S	ER16	ER16M	M19x1		10	1 - 13	1	
FD/ER16-08S	ER16	UM/ER16	M22x1,5		8	1 - 13	1	
FD/ER16-10S	ER16	UM/ER16	M22x1,5		10	1 - 13	1	
FD/ER16-SML08	ER16	ER16M	M19x1		8	14 - 26	2	
FD/ER16-SML10	ER16	ER16M	M19x1		10	14 - 26	2	
FD/ER16-SRL08	ER16	UM/ER16	M22x1,5		8	14 - 26	2	
FD/ER16-SRL10	ER16	UM/ER16	M22x1,5		10	14 - 26	2	

Incl. Überwurfmutter + Fräsdornmutter
Auch mit Mutter UF/ER16T - M22x1,5
(für TORNOS AS14 / SAS16)

Supplied with cap nut + lock screw
Also with nut UF/ER16T - M22x1,5
(for TORNOS AS14 / SAS16)

Überwurfmutter für Fräsdorne s. 1.3

Cap Nuts for Milling Arbors on 1.3

3.3 - 4

Fräsdorne Milling Arbors

3

Schnellwechselsysteme,
Reduktionen, Fräsdorne
Quick change tool systems,
Reductions, Milling arbors

BRITSCH
Spannzeuge GmbH

Fräsdorne für Zangenaufnahmen ER 20
für Schnellwechselsystem Muttern SM20

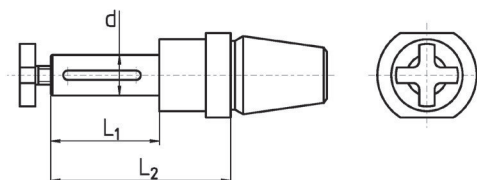
Milling Arbors for Collet Holders ER20
for Quick Change Nuts SM20

Im Lieferumfang:

- Anzugsschraube
- Passfeder
- Satz Zwischenringe

Supplied with:

- Lock screw
- Set of spacer rings
- Drive key



Bestell-Nr. order-no.	d	L ₁	L ₂
FD/ER20-05c	5	9	31
FD/ER20-05	5	9	42
FD/ER20-05L	5	22	37
FD/ER20-05XL	5	28	58
FD/ER20-08	8	22	43
FD/ER20-08L	8	22	37
FD/ER20-08c	8	9	31
FD/ER20-10	10	17	44
FD/ER20-10c	10	5	27
FD/ER20-10L	10	17	33
FD/ER20-10a	10	5	38
FD/ER20-13c	13	5	27
FD/ER20-13L	13	17	33
FD/ER20-13	13	17	44
FD/ER20-13a	13	15	35
FD/ER20-13b	13	25	50
FD/ER20-16c	16	5	27
FD/ER20-16L	16	17	33
FD/ER20-16	16	18	49

Schlüssel für
Fräsdornmuttern

Spanners for
milling arbor nuts

Bestell-Nr. order-no.	Für Fräsdorn Nr. for milling arbor no.
SL-M05	FD/ER20-05
SLSW13	FD/ER20-08
SLSW14	FD/ER20-10
SLF13	FD/ER20-13
SLF16	FD/ER20-16

Fräsdornringe
Satz

Set of Spacer
Rings

0,03 - 1,5 gesamt 35 Stück. nach DIN 2084
0,03 - 1,5 total 35 pcs (DIN 2084)

Bestell-Nr. order-no.	Für Fräsdorn Nr. for milling arbor no.
SLRR05	FD/ER20-05
SLRR08	FD/ER20-08
SLRR10	FD/ER20-10
SLRR13	FD/ER20-13
SLRR16	FD/ER20-16

Auch Einzelstücke in verschiedenen Maßen lieferbar
Also available apart in different sizes

**Fräsdorne für Zangenaufnahmen ER 25
für Schnellwechselsystem Muttern SM25**

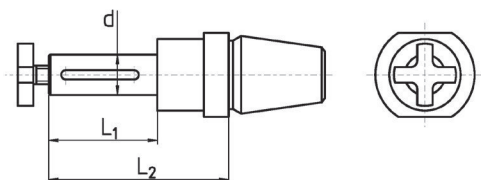
**Milling Arbors for Collet Holders ER25
for Quick Change Nuts SM25**

Im Lieferumfang:

- Anzugsschraube
- Passfeder
- Satz Zwischenringe

Supplied with:

- Lock screw
- Set of spacer rings
- Drive key



Bestell-Nr. order-no.	d	L ₁	L ₂
FD/ER25-08C	8	25	47
FD/ER25-08	8	25	60
FD/ER25-08L	8	30	
FD/ER25-10L	10	35	58
FD/ER25-10	10	25	47
FD/ER25-13	13	25	47
FD/ER25-13L	13	40	62
FD/ER25-16	16	35	47
FD/ER25-16L	16	50	62
FD/ER25-22	22	20	35
FD/ER25-22L	22	50	62
FD/ER25-22 B5 *	22	20	25,5

* Speziell für Messerköpfe - *Epecially for milling heads*

Schnellwechselsystem Muttern s. 1.3

Quick Change System Nuts see 1.3

**Schlüssel für
Fräsdornmuttern**

**Spanners for
milling arbor nuts**

Bestell-Nr. order-no.	Für Fräsdorn Nr. for milling arbor no.
SLSW13	FD/ER25-08
SLSW14	FD/ER25-10
SLF13	FD/ER25-13
SLF16	FD/ER25-16
SLF22	FD/ER25-22

**Fräsdornringe
Satz**

**Set of Spacer
Rings**

0,03 - 1,5 gesamt 35 Stück nach DIN 2084
0,03 - 1,5 total 35 pcs (DIN 2084)

Bestell-Nr. order-no.	Für Fräsdorn Nr. for milling arbor no.
SLRR08	FD/ER25-08
SLRR10	FD/ER25-10
SLRR13	FD/ER25-13
SLRR16	FD/ER25-16
SLRR22	FD/ER25-22

Auch Einzelstücke in verschiedenen Maßen lieferbar
Also available apart in different sizes

3.3 - 6

Fräsdorne Milling Arbors

3

Schnellwechselsysteme,
Reduktionen, Fräsdorne
Quick change tool systems,
Reductions, Milling arbors

BRITSCH
Spannzeuge GmbH

Fräsdorne für Zangenaufnahmen ER 32
für Schnellwechselsystem Muttern SM32

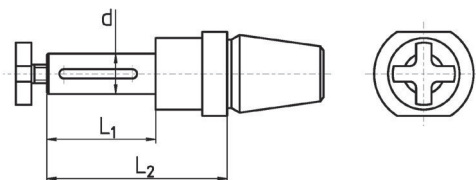
Milling Arbors for Collet Holders ER32
for Quick Change System Nuts SM32

Im Lieferumfang:

- Anzugsschraube
- Passfeder
- Satz Zwischenringe

Supplied with:

- Lock screw
- Set of spacer rings
- Drive key



Bestell-Nr. order-no.	d	L ₁	L ₂
FD/ER32-08	8	25	47
FD/ER32-10L	10	30	60
FD/ER32-10	10	25	47
FD/ER32-13	13	25	47
FD/ER32-13L	13	50	70
FD/ER32-16	16	25	47
FD/ER32-16L	16	52	70
FD/ER32-22	22	19	35
FD/ER32-22L	22	52	70

Schnellwechselsystem Muttern s. 1.3

Quick Change System Nuts see 1.3

Schlüssel für
Fräsdornmuttern

Spanners for
milling arbor nuts

Bestell-Nr. order-no.	Für Fräsdorn Nr. for milling arbor no.
SL-M05	FD/ER32-05
SLSW13	FD/ER32-08
SLSW14	FD/ER32-10
SLF13	FD/ER32-13
SLF16	FD/ER32-16

Fräsdornringe
Satz

Set of Spacer
Rings

0,03 - 1,5 gesamt 35 Stück nach DIN 2084
0,03 - 1,5 total 35 pcs (DIN 2084)

Bestell-Nr. order-no.	Für Fräsdorn Nr. for milling arbor no.
SLRR08	FD/ER32-08
SLRR10	FD/ER32-10
SLRR13	FD/ER32-13
SLRR16	FD/ER32-16

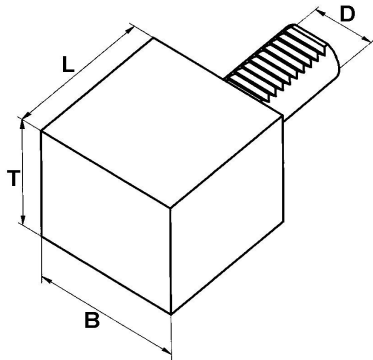
Auch Einzelstücke in verschiedenen Maßen lieferbar
Also available apart in different sizes

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1 - 6	VDI-Werkzeughalter, axial <i>VDI Axial Tool Holders</i>
5	VDI-Werkzeughalter, axial, für INDEX <i>VDI Axial Tool Holders for INDEX</i>
7, 9	VDI-Werkzeughalter, Weldon, E1 / E2 <i>VDI Tool Holders Weldon E1 / E2</i>
9	VDI-Werkzeughalter m. ER-Zangenaufnahme <i>VDI Tool Holders ER</i>
9	VDI-Pendelhalter mit ER-Zangenaufnahme, einstellbar <i>Adjustable VDI-Reamer Holders with Collet</i>
10	VDI-Gewindeschneidfutter ER <i>VDI-Tap Holders ER</i>
10	VDI-Schneideisenhalter <i>VDI Button Die Holders</i>
11	VDI-Innenräumhalter <i>VDI-Broaching Heads</i>
11	VDI-Werkzeughalter mit MK-Aufnahme <i>VDI Tool Holders Morse Cone</i>

VDI-Werkzeughalter, Form A1

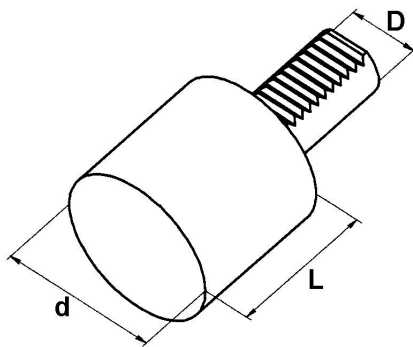
VDI Tool Holders Form A1



Bestell-Nr. order-no.	D	B	T	L
C-9 A1.16.44	16	78	44	44
C-9 A1.20.65	20	100	60	65
C-9 A1.25.75	25	100	60	75
C-9 A1.30.85	30	130	76	85
C-9 A1.40.100	40	151	96	100
C-9 A1.50.125	50	160	120	125
C-9 A1.60.160	60	165	125	160

VDI-Werkzeughalter, Form A2

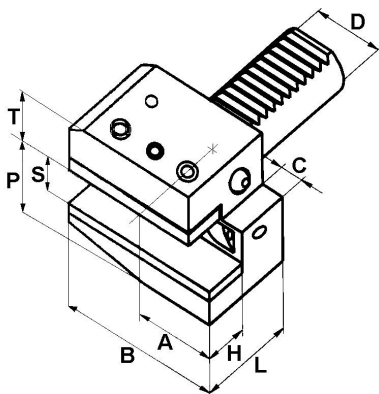
VDI Tool Holders Form A2



Bestell-Nr. order-no.	D	d	L
C-9 A2.16.60	16	40	60
C-9 A2.20.70	20	50	70
C-9 A2.25.80	25	58	80
C-9 A2.30.100	30	68	100
C-9 A2.30.240	30	68	240
C-9 A2.40.120	40	83	120
C-9 A2.40.320	40	83	320
C-9 A2.50.135	50	98	135
C-9 A2.50.400	50	98	400
C-9 A2.60.150	60	123	150
C-9 A2.60.480	60	123	480

VDI Radial-Werkzeughalter, Form B1

VDI Radial Tool Holders Form B1



Bestell-Nr. order-no.	D	S	P	T	L	H	A	B	C
C-9 B1.16.12	16	12/10	22	20	24	11	23	42	5
C-9 B1.16.12L	16	12/10	22	20	34	11	23	42	5
C-9 B1.20.16	20	16/12	30	25	30	14	30	55	7
C-9 B1.20.16L	20	16/12	30	25	40	14	30	55	7
C-9 B1.25.16	25	16/12	30	25	30	14	30	55	7
C-9 B1.25.16L	25	16/12	30	25	40	14	30	55	7
C-9 B1.30.20	30	20/16	38	28	40	18	35	70	10
C-9 B1.30.20L	30	20/16	38	28	60	18	35	70	10
C-9 B1.40.25	40	25/20	48	32	44	22	42	85	12
C-9 B1.50.32	50	32/25	60	35	55	25	50	100	16
C-9 B1.60.32	60	32/25	62,5	42,5	60	30	62,5	125	16

4.1 - 2

VDI-Werkzeughalter VDI Tool Holders

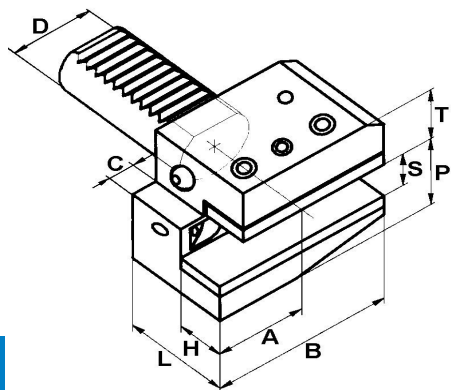
4

VDI-Werkzeughalter VDI Tool Holders



VDI Radial-Werkzeughalter, Form B2

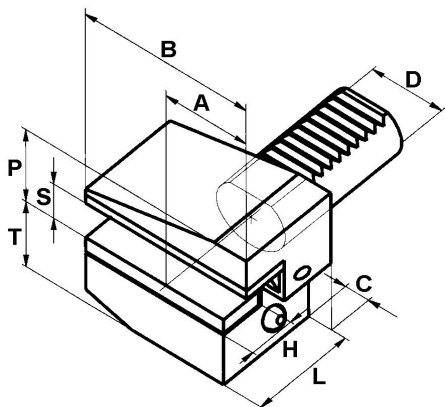
VDI Radial Tool Holders Form B2



Bestell-Nr. order-no.	D	S	P	T	L	H	A	B	C
C-9 B2.16.12	16	12/10	22	20	24	11	23	42	5
C-9 B2.16.12L	16	12/10	22	20	34	11	23	42	5
C-9 B2.20.16	20	16/12	30	25	30	14	30	55	7
C-9 B2.20.16L	20	16/12	30	25	40	14	30	55	7
C-9 B2.25.16	25	16/12	30	25	30	14	30	55	7
C-9 B2.25.16L	25	16/12	30	25	40	14	30	55	7
C-9 B2.30.20	30	20/16	38	28	40	18	35	70	10
C-9 B2.30.20L	30	20/16	38	28	60	18	35	70	10
C-9 B2.40.25	40	25/20	48	32	44	22	42	85	12
C-9 B2.50.32	50	32/25	60	35	55	25	50	100	16
C-9 B2.60.32	60	32/25	62,5	42,5	60	30	62,5	125	16

VDI Radial-Werkzeughalter, Form B3

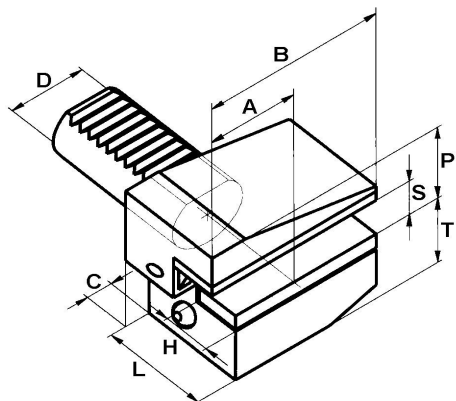
VDI Radial Tool Holders Form B3



Bestell-Nr. order-no.	D	S	P	T	L	H	A	B	C
C-9 B3.16.12	16	12/10	22	20	24	11	23	42	5
C-9 B3.16.12L	16	12/10	22	20	34	11	23	42	5
C-9 B3.20.16	20	16/12	30	25	30	14	30	55	7
C-9 B3.20.16L	20	16/12	30	25	40	14	30	55	7
C-9 B3.25.16	25	16/12	30	25	30	14	30	55	7
C-9 B3.25.16L	25	16/12	30	25	40	14	30	55	7
C-9 B3.30.20	30	20/16	38	28	40	18	35	70	10
C-9 B3.30.20L	30	20/16	38	28	60	18	35	70	10
C-9 B3.40.25	40	25/20	48	32	44	22	42	85	12
C-9 B3.50.32	50	32/25	60	50	55	25	50	100	16
C-9 B3.60.32	60	32/25	62,5	62,5	60	30	62,5	125	16

VDI Radial-Werkzeughalter, Form B4

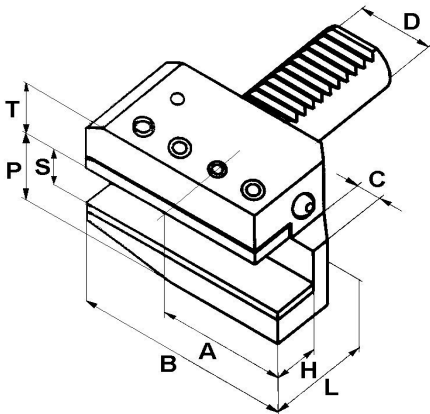
VDI Radial Tool Holders Form B4



Bestell-Nr. order-no.	D	S	P	T	L	H	A	B	C
C-9 B4.16.12	16	12/10	22	20	24	11	23	42	5
C-9 B4.16.12L	16	12/10	22	20	34	11	23	42	5
C-9 B4.20.16	20	16/12	30	25	30	14	30	55	7
C-9 B4.20.16L	20	16/12	30	25	40	14	30	55	7
C-9 B4.25.16	25	16/12	30	25	30	14	30	55	7
C-9 B4.25.16L	25	16/12	30	25	40	14	30	55	7
C-9 B4.30.20	30	20/16	38	28	40	18	35	70	10
C-9 B4.30.20L	30	20/16	38	28	60	18	35	70	10
C-9 B4.40.25	40	25/20	48	32	44	22	42	85	12
C-9 B4.50.32	50	32/25	60	50	55	25	50	100	16
C-9 B4.60.32	60	32/25	62,5	62,5	60	30	62,5	125	16

VDI Radial-Werkzeughalter, Form B5

VDI Radial Tool Holders Form B5

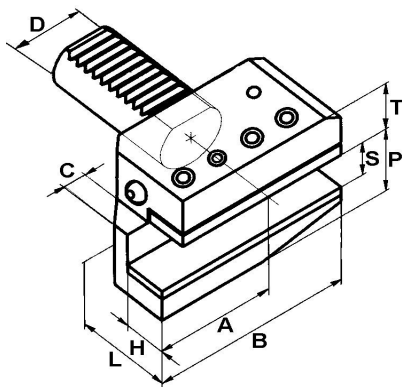


Bestell-Nr. order-no.	D	S	P	T	L	H	A	B	C
C-9 B5.16.12	16	12/10	22	20	24	11	39	58	5
C-9 B5.16.12L	16	12/10	22	20	34	11	39	58	5
C-9 B5.20.16	20	16/12	30	25	30	14	50	75	7
C-9 B5.20.16L	20	16/12	30	25	40	14	50	75	7
C-9 B5.25.16	25	16/12	30	25	30	14	50	75	7
C-9 B5.25.16L	25	16/12	30	25	40	14	50	75	7
C-9 B5.30.20	30	20/16	38	28	40	18	65	100	10
C-9 B5.30.20L	30	20/16	38	28	60	18	65	100	10
C-9 B5.40.25	40	25/20	48	32	44	22	75	118	12
C-9 B5.50.32	50	32/25	60	35	55	25	80	130	16
C-9 B5.60.32	60	32/25	62,5	42,5	60	30	82,5	145	16

4

VDI Radial-Werkzeughalter, Form B6

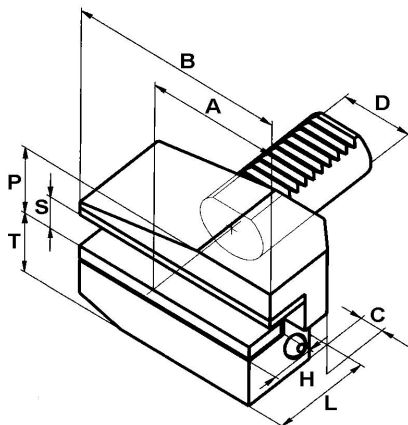
VDI Radial Tool Holders Form B6



Bestell-Nr. order-no.	D	S	P	T	L	H	A	B	C
C-9 B6.16.12	16	12/10	22	20	24	11	39	58	5
C-9 B6.16.12L	16	12/10	22	20	34	11	39	58	5
C-9 B6.20.16	20	16/12	30	25	30	14	50	75	7
C-9 B6.20.16L	20	16/12	30	25	40	14	50	75	7
C-9 B6.25.16	25	16/12	30	25	30	14	50	75	7
C-9 B6.25.16L	25	16/12	30	25	40	14	50	75	7
C-9 B6.30.20	30	20/16	38	28	40	18	65	100	10
C-9 B6.30.20L	30	20/16	38	28	60	18	65	100	10
C-9 B6.40.25	40	25/20	48	32	44	22	75	118	12
C-9 B6.50.32	50	32/25	60	35	55	25	80	130	16
C-9 B6.60.32	60	32/25	62,5	42,5	60	30	82,5	145	16

VDI Radial-Werkzeughalter, Form B7

VDI Radial Tool Holders Form B7



Bestell-Nr. order-no.	D	S	P	T	L	H	A	B	C
C-9 B7.16.12	16	12/10	22	20	24	11	39	58	5
C-9 B7.16.12L	16	12/10	22	20	34	11	39	58	5
C-9 B7.20.16	20	16/12	30	25	30	14	50	75	7
C-9 B7.20.16L	20	16/12	30	25	40	14	50	75	7
C-9 B7.25.16	25	16/12	30	25	30	14	50	75	7
C-9 B7.25.16L	25	16/12	30	25	40	14	50	75	7
C-9 B7.30.20	30	20/16	38	35	40	18	65	100	10
C-9 B7.30.20L	30	20/16	38	35	60	18	65	100	10
C-9 B7.40.25	40	25/20	48	42	44	22	75	118	12
C-9 B7.50.32	50	32/25	60	50	55	25	80	130	16
C-9 B7.60.32	60	32/25	62,5	62,5	60	30	82,5	145	16

4.1 - 4

VDI-Werkzeughalter VDI Tool Holders

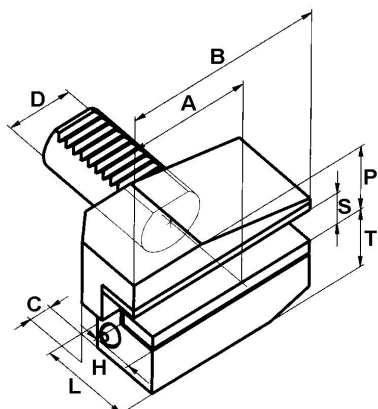
4

VDI-Werkzeughalter VDI Tool Holders



VDI Radial-Werkzeughalter, Form B8

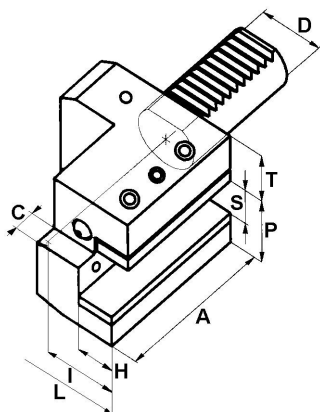
VDI Radial Tool Holders Form B8



Bestell-Nr. order-no.	D	S	P	T	L	H	A	B	C
C-9 B8.16.12	16	12/10	22	20	24	11	39	58	5
C-9 B8.16.12L	16	12/10	22	20	34	11	39	58	5
C-9 B8.20.16	20	16/12	30	25	30	14	50	75	7
C-9 B8.20.16L	20	16/12	30	25	40	14	50	75	7
C-9 B8.25.16	25	16/12	30	25	30	14	50	75	7
C-9 B8.25.16L	25	16/12	30	25	40	14	50	75	7
C-9 B8.30.20	30	20/16	38	35	40	18	65	100	10
C-9 B8.30.20L	30	20/16	38	35	60	18	65	100	10
C-9 B8.40.25	40	25/20	48	42	44	22	75	118	12
C-9 B8.50.32	50	32/25	60	50	55	25	80	130	16
C-9 B8.60.32	60	32/25	62,5	62,5	60	30	82,5	145	16

VDI Axial-Werkzeughalter, Form C1

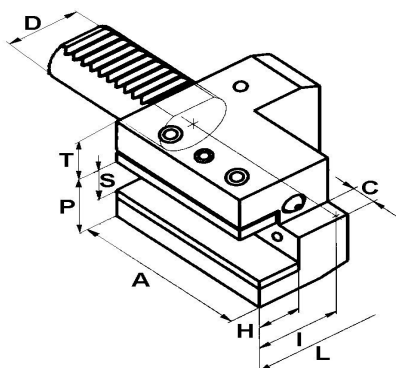
VDI Axial Tool Holders Form C1



Bestell-Nr. order-no.	D	S	P	T	L	I	H	A	C
C-9 C1.16.12	16	12/10	22	20	43	24	11	44	5
C-9 C1.20.16	20	16/12	30	25	65	40	14	50	7
C-9 C1.25.16	25	16/12	30	25	58	33	14	55	7
C-9 C1.30.20	30	20/16	38	28	70	35	18	70	10
C-9 C1.40.25	40	25/20	48	32	85	48	22	85	12
C-9 C1.50.32	50	32/25	60	35	100	50	24	100	16
C-9 C1.60.32	60	32/25	62,5	42,5	125	62,5	30	125	16

VDI Axial-Werkzeughalter, Form C2

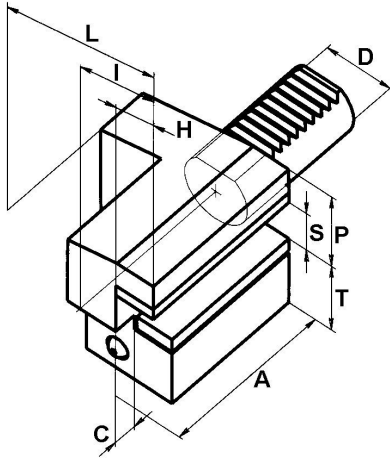
VDI Axial Tool Holders Form C2



Bestell-Nr. order-no.	D	S	P	T	L	I	H	A	C
C-9 C2.16.12	16	12/10	22	20	43	24	11	44	5
C-9 C2.20.16	20	16/12	30	25	65	40	14	50	7
C-9 C2.25.16	25	16/12	30	25	58	33	14	55	7
C-9 C2.30.20	30	20/16	38	28	76	40	18	70	10
C-9 C2.40.25	40	25/20	48	32	90	48	22	85	12
C-9 C2.50.32	50	32/25	60	35	105	55	25	100	16
C-9 C2.60.32	60	32/25	62,5	42,5	125	62,5	30	125	16

VDI Axial-Werkzeughalter, Form C3

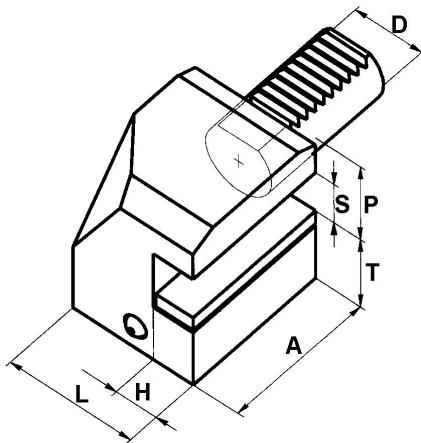
VDI Axial Tool Holders Form C3



Bestell-Nr. order-no.	D	S	P	T	L	I	H	A	C
C-9 C3.16.12	16	12/10	22	20	43	24	11	44	5
C-9 C3.20.16	20	16/12	30	25	65	40	14	50	7
C-9 C3.25.16	25	16/12	30	25	58	33	14	55	7
C-9 C3.30.20	30	20/16	38	35	70	35	18	70	10
C-9 C3.40.25	40	25/20	48	42	85	48	22	85	12
C-9 C3.50.32	50	32/25	60	50	100	50	24	100	16
C-9 C3.60.32	60	32/25	62,5	62,5	125	62,5	30	125	16

VDI Axial-Werkzeughalter für INDEX

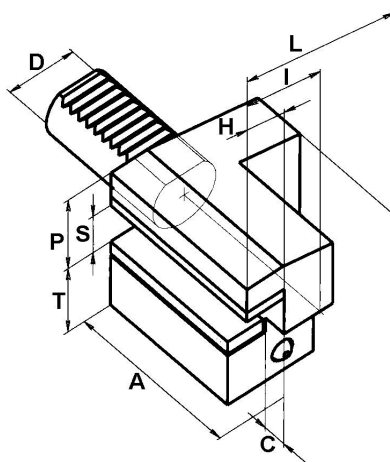
VDI Axial Tool Holders for INDEX



Bestell-Nr. order-no.	D	S	P	T	L	H	A
C-9 C3.30.20B	30	20	32	30	53	18	56

VDI Axial-Werkzeughalter, Form C4

VDI Axial Tool Holders Form C4



Bestell-Nr. order-no.	D	S	P	T	L	I	H	A	C
C-9 C4.16.12	16	12/10	22	20	43	24	11	44	5
C-9 C4.20.16	20	16/12	30	25	65	40	14	50	7
C-9 C4.25.16	25	16/12	30	25	58	33	14	55	7
C-9 C4.30.20	30	20/16	38	35	70	35	18	70	10
C-9 C4.40.25	40	25/20	48	42	85	48	22	85	12
C-9 C4.50.32	50	32/25	60	50	100	50	24	100	16
C-9 C4.60.32	60	32/25	62,5	62,5	125	62,5	30	125	16

4.1 - 6

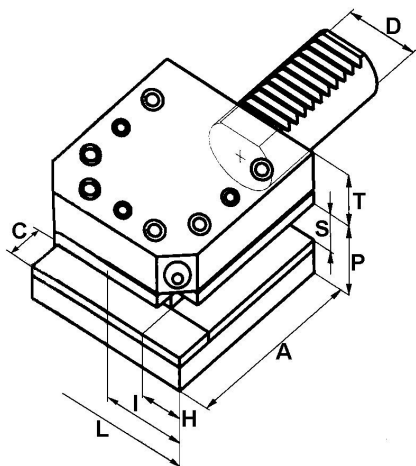
VDI-Werkzeughalter VDI Tool Holders

4

VDI-Werkzeughalter VDI Tool Holders

VDI Axial- / Radial-Werkzeughalter, Form D1

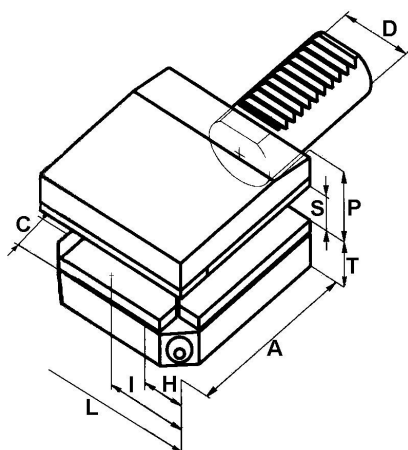
VDI Axial / Radial Tool Holders Form D1



Bestell-Nr. order-no.	D	S	P	T	L	I	H	A	C
C-9 D1.25.16	25	16/12	30	25	66	33	14	48	14
C-9 D1.30.20	30	20/16	38	28	76	35	18	60	18
C-9 D1.40.25	40	25/20	48	32	90	42,5	22	72	22
C-9 D1.50.32	50	32/25	60	35	105	50	24	85	25
C-9 D1.60.32	60	32/25	62,5	42,5	115	57,5	24,5	110	25

VDI Axial-Werkzeughalter, Form D2

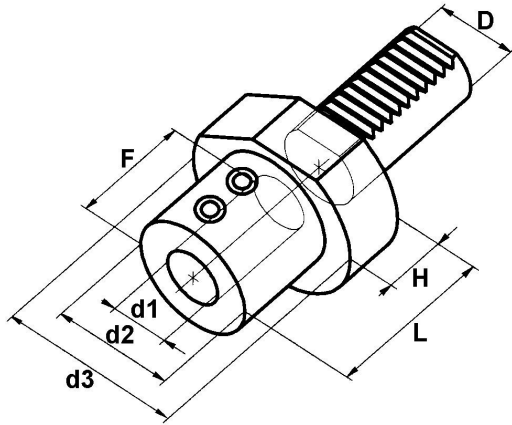
VDI Axial Tool Holders Form D2



Bestell-Nr. order-no.	D	S	P	T	L	I	H	A	C
C-9 D2.25.16	25	16/12	30	25	66	33	14	48	14
C-9 D2.30.20	30	20/16	38	35	76	35	18	60	18
C-9 D2.40.25	40	25/20	48	42,5	90	42,5	22	72	22
C-9 D2.50.32	50	32/25	60	50	105	50	24	85	25
C-9 D2.60.32	60	32/25	62,5	62,5	115	57,5	24,5	110	25

VDI-Werkzeughalter Weldon, Form E1

VDI Tool Holders Weldon, Form E1

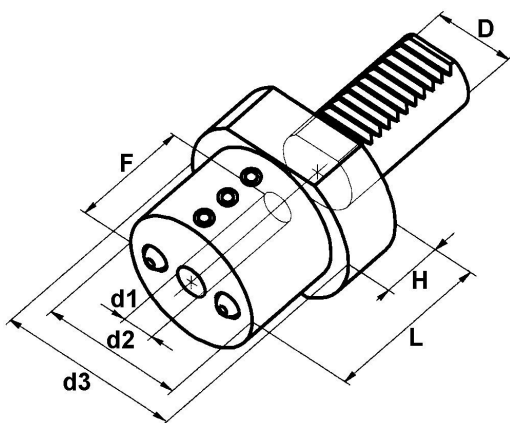


Bestell-Nr. order-no.	D	d1	d2	d3	F	L	H
C-9 E1.20.16	20	16	36	50	51	64	18
C-9 E1.20.20	20	20	40	50	54	67	18
C-9 E1.20.25	20	25	45	50	59	71	18
C-9 E1.25.20	25	20	40	58	54	67	20
C-9 E1.25.25	25	25	45	58	59	71	20
C-9 E1.30.16	30	16	36	68	51	64	22
C-9 E1.30.20	30	20	40	68	54	67	22
C-9 E1.30.25	30	25	45	68	59	71	22
C-9 E1.30.32	30	32	52	68	63	75	22
C-9 E1.40.16	40	16	36	83	51	64	22
C-9 E1.40.20	40	20	40	83	54	67	22
C-9 E1.40.25	40	25	45	83	59	75	22
C-9 E1.40.32	40	32	52	83	63	75	22
C-9 E1.40.40	40	40	65	83	73	90	22
C-9 E1.50.20	50	20	40	98	54	67	30
C-9 E1.50.25	50	25	45	98	59	80	30
C-9 E1.50.32	50	32	52	98	63	80	30
C-9 E1.50.40	50	40	65	98	73	90	30
C-9 E1.50.50	50	50	75	98	83	100	30
C-9 E1.60.20	60	20	40	123	54	80	30
C-9 E1.60.25	60	25	45	123	59	80	30
C-9 E1.60.32	60	32	52	123	63	80	30
C-9 E1.60.40	60	40	60	123	73	90	30
C-9 E1.60.50	60	50	70	123	83	100	30

VDI-Werkzeughalter Weldon, Form E2

VDI Tool Holders Weldon, Form E2

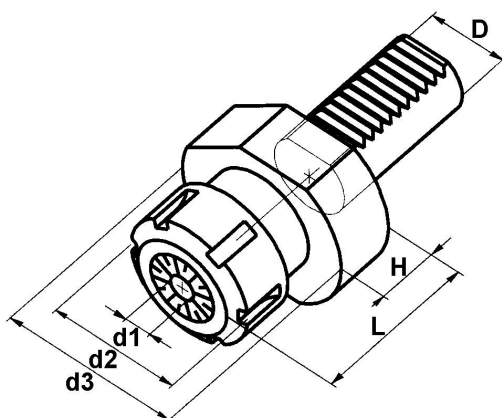
Mit innerer oder äußerer Kühlmittelzufuhr

With inner or external coolant

Bestell-Nr. order-no.	D	d1	d2	d3	F	L	H
C-9 E2.16.08	16	8	32	40	34	44	18
C-9 E2.16.10	16	10	32	40	34	44	18
C-9 E2.16.12	16	12	40	40	34	44	-
C-9 E2.16.16	16	16	40	40	34	44	-
C-9 E2.20.08	20	8	40	50	41	50	18
C-9 E2.20.10	20	10	40	50	41	50	18
C-9 E2.20.12	20	12	40	50	41	50	18
C-9 E2.20.16	20	16	40	50	41	50	18
C-9 E2.20.20	20	20	50	50	41	50	-
C-9 E2.20.25	20	25	50	50	51	60	-
C-9 E2.25.08	25	8	45	58	41	50	20
C-9 E2.25.10	25	10	45	58	41	50	20
C-9 E2.25.12	25	12	45	58	41	50	20
C-9 E2.25.16	25	16	45	58	41	50	20
C-9 E2.25.20	25	20	58	58	41	50	-
C-9 E2.25.25	25	25	58	58	51	60	-
C-9 E2.30.08	30	8	55	68	51	60	22
C-9 E2.30.10	30	10	55	68	51	60	22
C-9 E2.30.12	30	12	55	68	51	60	22
C-9 E2.30.16	30	16	55	68	51	60	22
C-9 E2.30.20	30	20	55	68	51	60	22
C-9 E2.30.25	30	25	55	68	51	60	22
C-9 E2.30.32	30	32	68	68	61	75	-
C-9 E2.40.12	40	12	55	83	61	75	22
C-9 E2.40.16	40	16	55	83	61	75	22
C-9 E2.40.20	40	20	55	83	61	75	22
C-9 E2.40.25	40	25	60	83	61	75	22
C-9 E2.40.32	40	32	83	83	61	75	-
C-9 E2.40.40	40	40	83	83	76	90	-
C-9 E2.50.16	50	16	55	98	76	90	30
C-9 E2.50.20	50	20	55	98	76	90	30
C-9 E2.50.25	50	25	65	98	76	90	30
C-9 E2.50.32	50	32	83	98	76	90	30
C-9 E2.50.40	50	40	83	98	76	90	30
C-9 E2.50.50	50	50	90	98	86	100	30
C-9 E2.60.16	60	16	68	123	76	90	30
C-9 E2.60.20	60	20	68	123	76	90	30
C-9 E2.60.25	60	25	68	123	76	90	30
C-9 E2.60.32	60	32	68	123	76	90	30
C-9 E2.60.40	60	40	98	123	76	90	30
C-9 E2.60.50	60	50	98	123	86	100	30

VDI-Werkzeughalter ER, Form E4

VDI Tool Holders ER, Form E4



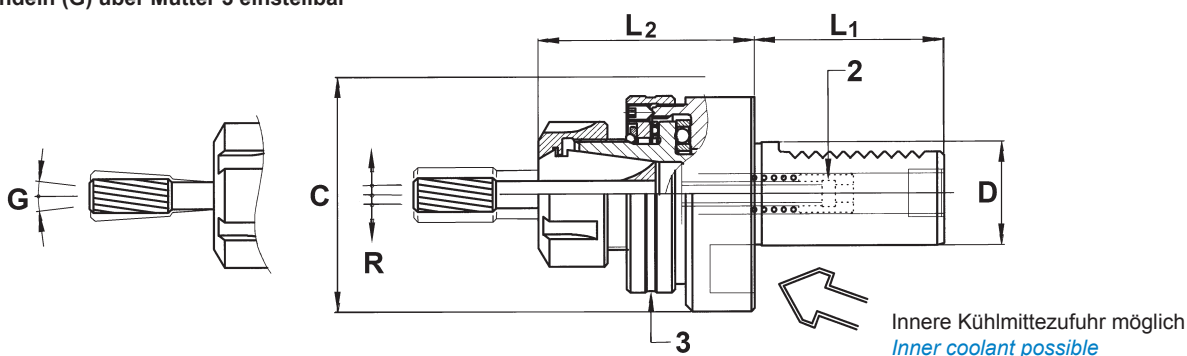
Bestell-Nr. order-no.	D	Zange collet	d1 min	d1 max	d2	d3	H	L
EU16V16	16	ER16	1	10	28	40	13	41
EU20V16	16	ER20	1	13	34	40	13	43
EU16V20	20	ER16	1	10	28	50	20	47
EU20V20	20	ER20	1	13	34	50	23	51
EU25V20	20	ER25	1	16	42	50	26	52
EU32V20	20	ER32	2	20	50	50	30	60
EU25V25	25	ER25	1	16	42	58	20	57
EU32V25	25	ER32	2	20	50	58	20	60
EU25V30	30	ER25	1	16	42	68	25	55
EU25V30L	30	ER25	1	16	42	68	25	76
EU32V30	30	ER32	2	20	50	68	30	60
EU40V30	30	ER40	3	30	63	68	32	68
EU25V40	40	ER25	1	16	42	83	25	54
EU32V40	40	ER32	2	20	50	83	29	62
EU40V40	40	ER40	3	30	63	83	32	67
EU32V50	50	ER32	2	20	50	98		
EU40V50	50	ER40	3	30	63	98		
EU40V60	60	ER40	3	30	63	98		

Einstellbare VDI-Pendelhalter mit Zange

Adjustable VDI-Reamer Holders with Collet

- Einsatz: Freipendelnd (G) und parallelpendelnd (R) siehe techn. Informationen Kap. 6 S.1
- Kann auch zum Ausgleich von Fluchtungsfehlern für starres Gewindebohren auf CNC-Werkzeugmaschinen eingesetzt werden
- Die Zentrierkraft (abhängig von der Größe der Reibahle) kann über Schraube 2 eingestellt werden
- Freipendeln (G) über Mutter 3 einstellbar

- Axial (G) and parallel (R) floating
- See technical informations chap. 6 page 1
- Screw (2) adjusts spring pressure, giving parallel float adjustment
- Nut (3) adjusts axial float (G)



Bestell-Nr. order-no.	D	C	L ₁	L ₂	R	Zange collet
V155.9 K3.20.25	20	57	40	57	1	ER25
V155.9 K3.30.25	30	68	55	64	1	ER25
V155.9 K3.30.32	30	68	55	72	1,5	ER32
V155.9 K3.40.32	40	83	63	74	1,5	ER32

Incl. Mutter

supplied with nut

Schlankere Bauform mit VDI-Schaft s. Kap. 6 - 4/5

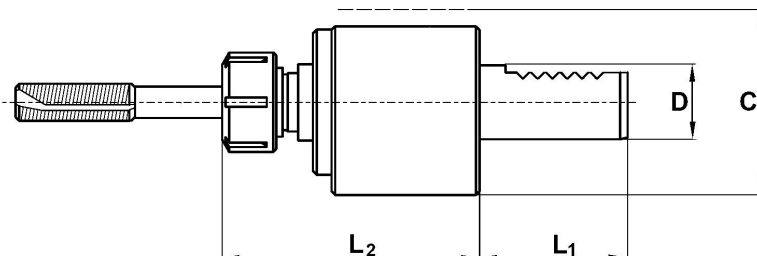
Types with slim dimensions and VDI-shank see 6 - 4/5

VDI-Gewindeschneidfutter ER
Kugellagert, mit innerer Kühlmittelzufuhr

VDI-Tap Holders ER
Ball Bearing Guided, with Inner Coolant

- Längenausgleich auf Zug 10 mm
- zusätzlicher Andruck als Sonderausführung
- Lieferbar auch mit: - Kugellagermutter
- Mitnehmer

- Pullout 10 mm
- Special version for pullout and compression
- Available with: - ball bearing nut
- driver



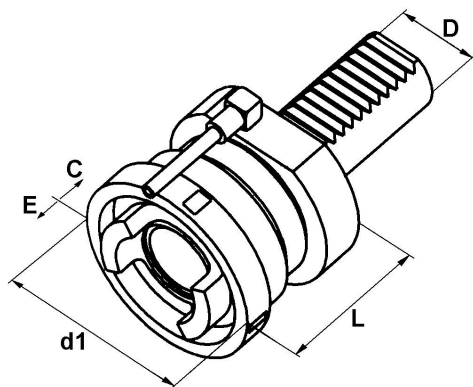
Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	C	Bereich range	Mutter Nut	Schlüssel spanner
GKU16V16*	ER16	16	32	67	40	M1 - M8	UM/ER16	GS 25
GKU16V20	ER16	20	40	63	50	M1 - M8	UM/ER16	GS 25
GKU16V20 DZ	ER16	20	40	63	50	M1 - M8	UM/ER16	GS 25
GKU16V25 DZ	ER16	25	48	61		M1 - M8	UM/ER16	GS 25
GKU16V40	ER16	40	63	56		M1 - M8	UM/ER16	GS 25
GKU16V50	ER16	50	72	59		M1 - M8	UM/ER16	GS 25
GKU25V16*	ER25	16	32	73	40	M3 - M20	UM/ER25	E 25
GKU25V20	ER25	20	40	63	50	M3 - M20	UM/ER25	E 25
GKU25V20 DZ	ER25	20	40	63	50	M3 - M20	UM/ER25	E 25
GKU25V25 DZ	ER25	25	48	61	58	M3 - M20	UM/ER25	E 25
GKU25V30	ER25	30	55	68	68	M3 - M20	UM/ER25	E 25
GKU25V40	ER25	40	63	56	83	M3 - M20	UM/ER25	E 25
GKU25V50	ER25	50	72	59	98	M3 - M20	UM/ER25	E 25
GKU32V30	ER32	30	55	50	68	M6 - M28	UM/ER32	E 32
GKU32V40	ER32	40	63	43	83	M6 - M28	UM/ER32	E 32
GKU32V50	ER32	50	78	42	98	M6 - M28	UM/ER32	E 32

* Nur mit äußerer Kühlmittelzufuhr (Kupferrohr) lieferbar
DZ = Druck und Zug

* available with outer coolant only (copper tube)
DZ = compression and pullout

Schneideisenhalter mit VDI-Schaft

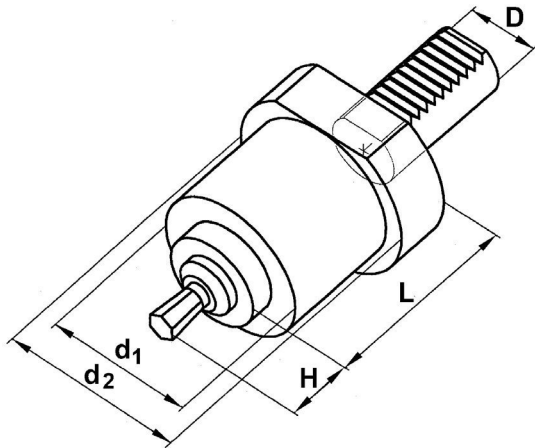
VDI Button Die Holders



Bestell-Nr. order-no.	D	d1	L	E	C
C-9 Y1.20.20	20	57	57	9	-3
C-9 Y1.30.30	30	70	71	12	-4
C-9 Y1.40.30	40	70	73	12	-4

VDI-Räumhalter

VDI-Broaching Heads

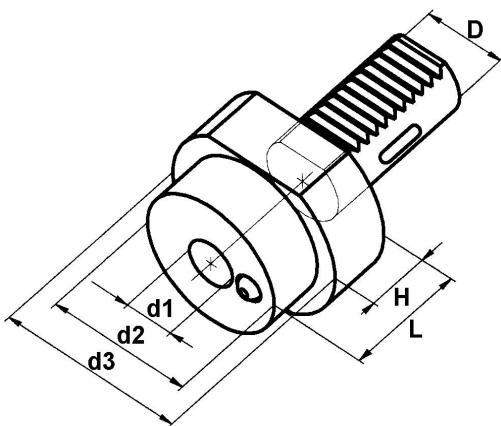


Siehe auch techn. Informationen Kap. 7
See technical information chap. 7

Bestell-Nr. order-no.	D	d ₁	d ₂	L	H	Aufnahme holding fixture
U175V20-12	20	44	47	57	25	12
U175V30-12	30	58	68	83	25	12
U175V40-12	40	58	83	83	25	12
U175V30-16	30	58	68	83	40	16
U175V40-16	40	58	83	83	40	16

VDI-Werkzeughalter Morse, Form F1

VDI Tool Holders Morse Cone, Form F1



Bestell-Nr. order-no.	D	MK	d ₂	d ₃	L	H
C-9 F1.20.01	20	MK 1	50	50	22	-
C-9 F1.25.01	25	MK 1	58	58	22	-
C-9 F1.30.01	30	MK 1	68	68	27	-
C-9 F1.30.02	30	MK 2	58	68	36	25
C-9 F1.30.03	30	MK 3	58	68	66	25
C-9 F1.40.02	40	MK 2	58	83	36	22
C-9 F1.40.03	40	MK 3	58	83	50	22
C-9 F1.40.04	40	MK 4	68	83	80	22
C-9 F1.50.02	50	MK 2	58	98	36	30
C-9 F1.50.03	50	MK 3	58	98	45	30
C-9 F1.50.04	50	MK 4	68	98	55	30
C-9 F1.50.05	50	MK 5	75	98	68	30
C-9 F1.60.03	60	MK 3	58	123	47	30
C-9 F1.60.04	60	MK 4	68	123	58	30
C-9 F1.60.05	60	MK 5	75	123	74	30

Austreiberlappen für MK-Futter

Ejector Drifts for MT-Holders

S. Kap. 2.1 - 22

see chapter 2.1 - 22

4.1 - 12

VDI-Werkzeughalter
VDI Tool Holders

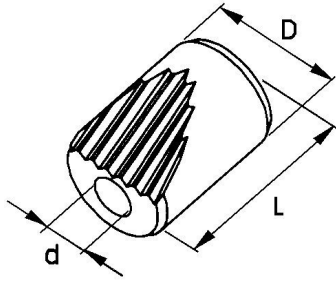
4

VDI-Werkzeughalter
VDI Tool Holders

BRITSCH
Spannzeuge GmbH

VDI-Verzahnungshülse

VDI Gearing Bush



Bestell-Nr. order-no.	D	L	d
C-9 W1.30.28	28	42	10,5

4

VDI-Halter für Mitlaufende Spitzen

VDI Revolving Centers

S. Kap. 13.4

[see chapter 13.4](#)

VDI-Stoppanschlagshalter, gedämpft

VDI Material Stop-Shock Absorber, Damped

VDI-Stoppanschlagshalter

VDI Material Stop-Shock Absorber, Fixed

S. Kap. 13.3





[see chapter 13.3](#)

VDI-Schäfte für höhenverstellbare
Wendeplattenhalter

Shanks for High Adjustable
Backworking Holders

S. Kap. 10.2

[see chapter 10.2](#)

<i>Tap Holders</i>		Gewindeschneidfutter	5.1
<i>Double Ended Tap Holders</i>		Doppel-Gewindeschneidfutter	5.2
<i>Die Holders</i>		Schneideisenhalter	5.3
<i>Button Die Holders</i>		Schneideisenkappen	5.4

Seite
Page

1 - 4	Gewindeschneidfutter ER, kugelgelagert <i>Tap Holders ER, Ball Bearing Guided</i>
5 - 7	Gewindeschneidfutter ER Mini, kleine Baumaße <i>Tap Holders ER Mini, Extremely Small Dimensions</i>
8	Gewindeschneidfutter ER / ER Mini für STAR <i>Tap Holders STAR</i>
9	Gewindeschneidfutter mit innerer Kühlmittelzufuhr <i>Tap Holders with Inner Coolant</i>
10, 11	Gewindeschneidfutter ER, mit Sechskantführung <i>Tap Holders ER, Hexagon Guidance</i>
12	Gewindeschneidfutter ER, überlaufend, für Rechts + Linksgewinde <i>Tap Holders ER with Releasing, for Right and Left Hand Thread</i>
13, 14	Gewindebohrerhalter, für Rechts + Linksgewinde <i>Tap Holders with Releasing, for Right and Left Hand Thread</i>

Technische Informationen

Technical Informations

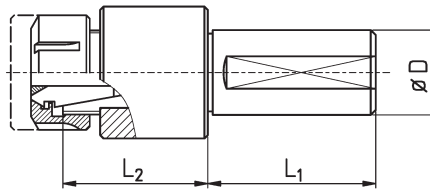
- Alle Gewindeschneidfutter werden incl. Standard-Mutter geliefert
 - Gewindeschneidfutter mit "AK" werden incl. abgedichteter Mutter (System Rego-fix) geliefert.
 - Abkürzungen bei den Halter-Bezeichnungen siehe auch Technische Informationen zu Kap. 2.1
- *All tap holders will be supplied with clamping Nut (standard)*
 - *Tap holders with "AK" will be supplied with sealed nut type Rego-fix*
 - *Abbreviations for holders see technical Informations chapter 2.1*

Gewindeschneidfutter ER20 ER25
kugelgelagert

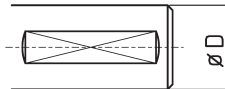
Tap Holders ER20 ER25
Ball Bearing Guided

Ausführungen:
Versions:

WD: Spannfläche durchgehend
WD: Clamping flat throughout



FL: Spannfläche abgesetzt
FL: Enclosed clamping flat



Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂
GKU201650FL DZ	ER20	16	50	47
GKU201650FL	ER20	16	50	47
GKU201946	ER20	3/4"	46	47
GKU201946 DZ	ER20	3/4"	46	47
GKU2019100	ER20	3/4"	100	47
GKU202032FL	ER20	20	32	47
GKU202050	ER20	20	50	47
GKU202050FL DZ	ER20	20	50	47
GKU202050FL	ER20	20	50	47
GKU202050FL	ER20	20	50	47
GKU2020100FL	ER20	20	100	47
GKU202275FL	ER20	22	75	47
GKU202550WD	ER20	25	50	47
GKU202555FL DZ	ER20	25	55	47
GKU202555FL DZ	ER20	25	55	47
GKU202575FL	ER20	25	75	47
GKU2025100WD DZ	ER20	25	100	47
GKU2025100WD	ER20	25	100	47
GKU2025120WD	ER20	25	120	47
GKU202646 DZ	ER20	1"	46	47
GKU202650	ER20	1"	50	47
GKU202675	ER20	1"	75	47
GKU202675FL	ER20	1"	75	47
GKU2026100	ER20	1"	100	47
GKU2026100WD	ER20	1"	100	47
GKU203150	ER20	1 1/4"	50	47
GKU203155	ER20	1 1/4"	55	47
GKU203255FL DZ	ER20	32	55	47
GKU203255FL	ER20	32	55	47
GKU203260WD	ER20	32	60	47
GKU203260WD	ER20	32	60	47
GKU204060WD DZ	ER20	40	60	47
GKU204060WD	ER20	40	60	47

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂
GKU251650FL DZ	ER25	16	50	45
GKU251650FL	ER25	16	50	45
GKU251946	ER25	3/4"	46	45
GKU251946 DZ	ER25	3/4"	46	45
GKU2519100	ER25	3/4"	100	45
GKU252032FL	ER25	20	32	45
GKU252050	ER25	20	50	45
GKU252050FL DZ	ER25	20	50	45
GKU252050FL	ER25	20	50	45
GKU252050FL	ER25	20	50	45
GKU2520100FL	ER25	20	100	45
GKU252275FL	ER25	22	75	45
GKU252550WD	ER25	25	50	45
GKU252555FL DZ	ER25	25	55	45
GKU252555FL DZ	ER25	25	55	45
GKU252575FL	ER25	25	75	45
GKU2525100WD DZ	ER25	25	100	45
GKU2525100WD	ER25	25	100	45
GKU2525120WD	ER25	25	120	45
GKU252646 DZ	ER25	1"	46	45
GKU252650	ER25	1"	50	45
GKU252675	ER25	1"	75	45
GKU252675FL	ER25	1"	75	45
GKU2526100	ER25	1"	100	45
GKU2526100WD	ER25	1"	100	45
GKU253150	ER25	1 1/4"	50	45
GKU253155	ER25	1 1/4"	55	45
GKU253255FL DZ	ER25	32	55	45
GKU253255FL	ER25	32	55	45
GKU253260WD	ER25	32	60	45
GKU253260WD	ER25	32	60	45
GKU254060WD DZ	ER25	40	60	45
GKU254060WD	ER25	40	60	45

5.1 - 2

Gewindeschneidfutter Tap Holders

5

Gewindeschneidfutter
Schneideisenhalter
Tap Holders
Die Holders

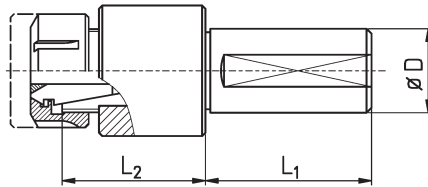
BRITSCH
Spannzeuge GmbH

**Gewindeschneidfutter ER32
kugellagert**

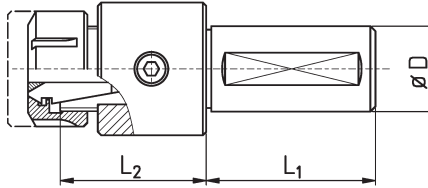
**Tap Holders ER32
Ball Bearing Guided**

Ausführungen:
Versions:

WD: Spannfläche durchgehend
WD: Clamping flat troughout



Halter mit äußerer Kühlmittelzufuhr **AK**
und abgesetzter Spannfläche **FL**
Holder with inner coolant **AK**
and enclosed clamping flat **FL**



5

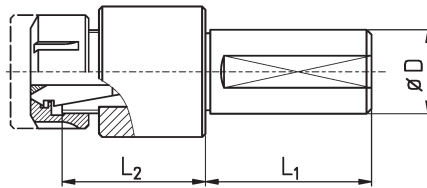
Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	C	AK	Bereich range	Mutter Nut
GKU321950	ER32	3/4"	50	38	50		M6 - M28	UM/ER32
GKU322050	ER32	20	50	38	50		M6 - M28	UM/ER32
GKU322050AK	ER32	20	50	41	50	AK	M6 - M28	UM/ER32
GKU322550AK	ER32	25	50	41	50	AK	M6 - M28	UM/ER32
GKU322555WD DZ	ER32	25	55	38	50		M6 - M28	UM/ER32
GKU322590 DZ	ER32	25	90	38	50		M6 - M28	UM/ER32
GKU322650	ER32	1"	50	38	50		M6 - M28	UM/ER32
GKU322650AK	ER32	1"	50	41	50	AK	M6 - M28	UM/ER32
GKU323150	ER32	1 1/4"	50	38	50		M6 - M28	UM/ER32
GKU323250WD DZ	ER32	32	50	38	50		M6 - M28	UM/ER32
GKU323250AK	ER32	32	50	41	50	AK	M6 - M28	UM/ER32
GKU324070	ER32	40	70	41	50		M6 - M28	UM/ER32
GKU3250100	ER32	50	100	17	50		M6 - M28	UM/ER32

Gewindeschneidfutter ER16 ER25
kugelgelagert, längere Bauform

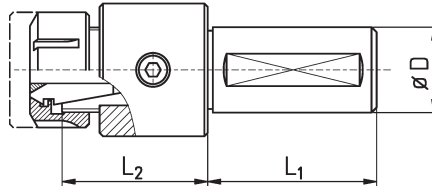
Tap Holders ER16 ER25
Ball Bearing Guided, Longer Type

Ausführungen:
Versions:

WD: Spannfläche durchgehend
WD: Clamping flat throughout



Halter mit äußerer Kühlmittelzufuhr AK
und abgesetzter Spannfläche FL
Holder with inner coolant AK
and enclosed clamping flat FL



Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	AK / IK
GKUL161946	ER16	3/4"	46	53	
GKUL161970AKFL	ER16	3/4"	70	53	AK
GKUL162046	ER16	20	46	53	
GKUL162270AKFL	ER16	22	70	53	AK
GKUL162550AKFL	ER16	25	50	53	AK
GKUL1625100AKFL	ER16	25	100	53	AK
GKUL162646AKFL	ER16	1"	46	53	AK
GKUL162650	ER16	1"	50	53	
GKUL164087WD	ER16	40	87	--	

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	AK / IK
GKUL251946	ER25	3/4"	46	53	
GKUL251970AKFL	ER25	3/4"	70	53	AK
GKUL252046	ER25	20	46	53	
GKUL252270AKFL	ER25	22	70	53	AK
GKUL252550AKFL	ER25	25	50	53	AK
GKUL2525100AKFL	ER25	25	100	53	AK
GKUL252646AKFL	ER25	1"	46	53	AK
GKUL252650	ER25	1"	50	53	
GKUL254087WD	ER25	40	87	--	

5.1 - 4

Gewindeschneidfutter Tap Holders

5

Gewindeschneidfutter Schneideisenhalter Tap Holders Die Holders

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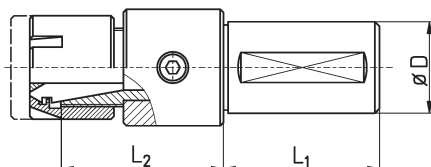
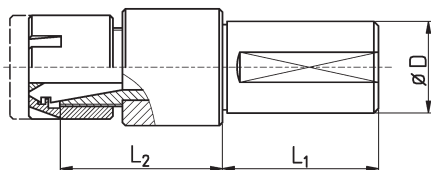
Gewindeschneidfutter ER20M ER25M
kugelgelagert

Tap Holders ER20M ER25M
Ball Bearing Guided

Ausführungen:
Versions:

WD: Spannfläche durchgehend
WD: Clamping flat throughout

FL: Spannfläche abgesetzt
FL: Enclosed clamping flat



5

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂
GKM201650FL DZ	ER20	16	50	47
GKM201650FL	ER20	16	50	47
GKM201946	ER20	3/4"	46	47
GKM201946 DZ	ER20	3/4"	46	47
GKM2019100	ER20	3/4"	100	47
GKM202032FL	ER20	20	32	47
GKM202050	ER20	20	50	47
GKM202050FL DZ	ER20	20	50	47
GKM202050FL	ER20	20	50	47
GKM202050FL	ER20	20	50	47
GKM2020100FL	ER20	20	100	47
GKM202275FL	ER20	22	75	47
GKM202550WD	ER20	25	50	47
GKM202555FL DZ	ER20	25	55	47
GKM202555FL DZ	ER20	25	55	47
GKM202575FL	ER20	25	75	47
GKM2025100WD DZ	ER20	25	100	47
GKM2025100WD	ER20	25	100	47
GKM2025120WD	ER20	25	120	47
GKM202646 DZ	ER20	1"	46	47
GKM202650	ER20	1"	50	47
GKM202675	ER20	1"	75	47
GKM202675FL	ER20	1"	75	47
GKM2026100	ER20	1"	100	47
GKM2026100WD	ER20	1"	100	47
GKM203150	ER20	1 1/4"	50	47
GKM203155	ER20	1 1/4"	55	47
GKM203255FL DZ	ER20	32	55	47
GKM203255FL	ER20	32	55	47
GKM203260WD	ER20	32	60	47
GKM203260WD	ER20	32	60	47
GKM204060WD DZ	ER20	40	60	47
GKM204060WD	ER20	40	60	47

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂
GKM251650FL DZ	ER25	16	50	45
GKM251650FL	ER25	16	50	45
GKM251946	ER25	3/4"	46	45
GKM251946 DZ	ER25	3/4"	46	45
GKM2519100	ER25	3/4"	100	45
GKM252032FL	ER25	20	32	45
GKM252050	ER25	20	50	45
GKM252050FL DZ	ER25	20	50	45
GKM252050FL	ER25	20	50	45
GKM252050FL	ER25	20	50	45
GKM2520100FL	ER25	20	100	45
GKM252275FL	ER25	22	75	45
GKM252550WD	ER25	25	50	45
GKM252555FL DZ	ER25	25	55	45
GKM252555FL DZ	ER25	25	55	45
GKM252575FL	ER25	25	75	45
GKM2525100WD DZ	ER25	25	100	45
GKM2525100WD	ER25	25	100	45
GKM2525120WD	ER25	25	120	45
GKM252646 DZ	ER25	1"	46	45
GKM252650	ER25	1"	50	45
GKM252675	ER25	1"	75	45
GKM252675FL	ER25	1"	75	45
GKM2526100	ER25	1"	100	45
GKM2526100WD	ER25	1"	100	45
GKM253150	ER25	1 1/4"	50	45
GKM253155	ER25	1 1/4"	55	45
GKM253255FL DZ	ER25	32	55	45
GKM253255FL	ER25	32	55	45
GKM253260WD	ER25	32	60	45
GKM253260WD	ER25	32	60	45
GKM254060WD DZ	ER25	40	60	45
GKM254060WD	ER25	40	60	45

**Gewindeschneidfutter mit VDI-Schaft
kugelgelagert, mit innerer Kühlmittelzufuhr**

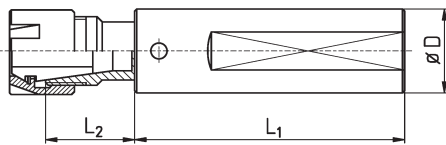
**Tap Holders with VDI-Shank
Ball Bearing Guided, with Inner Coolant**

S. Kap. 4 - S.10

see chapter 4 - pg.10

**Gewindeschneidfutter ER08M ER11M
extrem kleine Baumaße, präzise Führung**

**Tap Holders ER08M ER11M
Extremely Small Dimensions, Precisely Guided**



5

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	Auszug pullout	Bereich range	Mutter nut
GFM081450WD	ER08	14	50	10	7	M1 - M6	ER08M
GFM085840WD	ER08	5/8"	40	10	7	M1 - M6	ER08M
GFM085850WD	ER08	5/8"	50	10	7	M1 - M6	ER08M
GFM081640WD	ER08	16	40	10	7	M1 - M6	ER08M
GFM081650WD	ER08	16	50	10	7	M1 - M6	ER08M
GFM111450WD	ER11	14	50	18	7	M1 - M8	ER11M
GFM115840WD	ER11	5/8"	40	18	7	M1 - M8	ER11M
GFM115850WD	ER11	5/8"	50	18	7	M1 - M8	ER11M
GFM111640WD	ER11	16	40	18	7	M1 - M8	ER11M
GFM111650WD	ER11	16	50	18	7	M1 - M8	ER11M

5.1 - 6

Gewindeschneidfutter Tap Holders

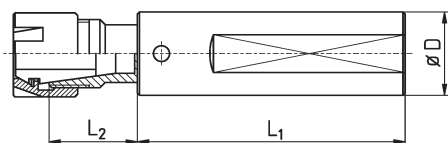
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Gewindeschneidfutter Schneideisenhalter Tap Holders Die Holders

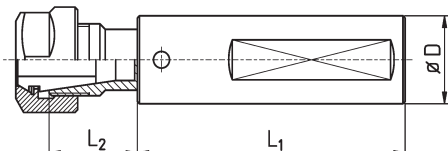
BRITSCH
Spannzeuge GmbH

Gewindeschneidfutter ER11 ER11M
schlanke Bauform, präzise Führung

Tap Holders ER11 ER11M
Slim Type, Precisely Guided



Beispiel - *example*:
Halter GFM mit durchgehender Spannfläche **WD**
Holder GFM with clamping flat throughout **WD**



Beispiel - *example*:
Halter GFU mit abgesetzter Spannfläche **FL**
Holder GFU with enclosed clamping flat **FL**

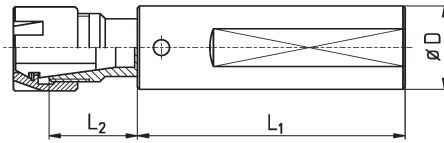
5

Bestell-Nr. order-no.	D	L ₁	L ₂	Mutter nut
GFU111645	16	45	9	UM/ER11
GFU111880	18	80	9	UM/ER11
GFU1118130	18	130	9	UM/ER11
GFU111950	3/4"	50	9	UM/ER11
GFU111950FL	3/4"	50	9	UM/ER11
GFU111970FL	3/4"	70	9	UM/ER11
GFU111970WD	3/4"	70	9	UM/ER11
GFU1119120FL	3/4"	120	9	UM/ER11
GFU112050WD	20	50	9	UM/ER11
GFU112070FL	20	70	9	UM/ER11
GFU112070WD	20	70	9	UM/ER11
GFU1120120WD	20	120	9	UM/ER11
GFU1120150	20	150	9	UM/ER11
GFU112250FL	22	50	9	UM/ER11
GFU112270WD	22	70	9	UM/ER11
GFU1122100WD	22	100	9	UM/ER11
GFU112880	28	80	9	UM/ER11
GFU113265WD	32	65	9	UM/ER11

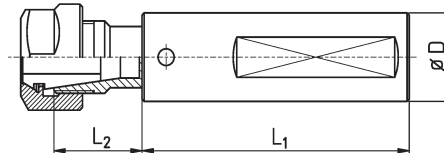
Bestell-Nr. order-no.	D	L ₁	L ₂	Mutter nut
GFM111645	16	45	10	ER11M
GFM111880	18	80	10	ER11M
GFM1118130	18	130	10	ER11M
GFM111950	3/4"	50	10	ER11M
GFM111950FL	3/4"	50	10	ER11M
GFM111970FL	3/4"	70	10	ER11M
GFM111970WD	3/4"	70	10	ER11M
GFM1119120FL	3/4"	120	10	ER11M
GFM112050WD	20	50	10	ER11M
GFM112070FL	20	70	10	ER11M
GFM112070WD	20	70	10	ER11M
GFM1120120WD	20	120	10	ER11M
GFM1120150	20	150	10	ER11M
GFM112250FL	22	50	10	ER11M
GFM112270WD	22	70	10	ER11M
GFM1122100WD	22	100	10	ER11M
GFM112880	28	80	10	ER11M
GFM113265WD	32	65	10	ER11M

Gewindeschneidfutter ER16 ER16M
schlanke Bauform, präzise Führung

Tap Holders ER16 ER16M
Slim Type, Precisely Guided



Beispiel - *example*:
Halter GFM mit durchgehender Spannfläche **WD**
Holder GFM with clamping flat throughout **WD**



Beispiel - *example*:
Halter GFU mit abgesetzter Spannfläche **FL**
Holder GFU with enclosed clamping flat **FL**

Bestell-Nr. order-no.	D	L ₁	L ₂	Mutter nut
GFU161645	16	45	19	UM/ER16
GFU161880	18	80	19	UM/ER16
GFU1618130	18	130	19	UM/ER16
GFU161945	3/4"	45	20	UM/ER16
GFU161950	3/4"	50	19	UM/ER16
GFU161950FL	3/4"	50	19	UM/ER16
GFU161970FL	3/4"	70	19	UM/ER16
GFU161970WD	3/4"	70	19	UM/ER16
GFU1619120FL	3/4"	120	19	UM/ER16
GFU162050WD	20	50	19	UM/ER16
GFU162070FL	20	70	19	UM/ER16
GFU162070WD	20	70	19	UM/ER16
GFU1620120WD	20	120	19	UM/ER16
GFU1620150	20	150	19	UM/ER16
GFU162250FL	22	50	19	UM/ER16
GFU162270WD	22	70	19	UM/ER16
GFU1622100WD	22	100	19	UM/ER16
GFU1625140WD	25	140	20	UM/ER16
GFU162870WD	28	70	20	UM/ER16
GFU162880	28	80	19	UM/ER16
GFU163265WD	32	65	19	UM/ER16

Bestell-Nr. order-no.	D	L ₁	L ₂	Mutter nut
GFM161645	16	45	19	ER16M
GFM161880	18	80	19	ER16M
GFM1618130	18	130	19	ER16M
GFM161945	3/4"	45	20	ER16M
GFM161950	3/4"	50	19	ER16M
GFM161950FL	3/4"	50	19	ER16M
GFM161970FL	3/4"	70	19	ER16M
GFM161970WD	3/4"	70	19	ER16M
GFM1619120FL	3/4"	120	19	ER16M
GFM162050WD	20	50	19	ER16M
GFM162070FL	20	70	19	ER16M
GFM162070WD	20	70	19	ER16M
GFM1620120WD	20	120	19	ER16M
GFM1620150	20	150	19	ER16M
GFM162250FL	22	50	19	ER16M
GFM162270WD	22	70	19	ER16M
GFM1622100WD	22	100	19	ER16M
GFM1625140WD	25	140	20	ER16M
GFM162870WD	28	70	20	ER16M
GFM162880	28	80	19	ER16M
GFM163265WD	32	65	19	ER16M

Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	Bereich range	Mutter nut	Gewinde thread	Schlüssel spanner
GF202670FL	ER20	1"	70	17	M1 - M10	ER20M	M24x1	E20M

5.1 - 8

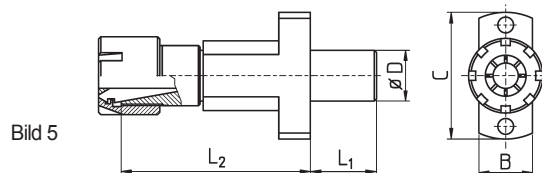
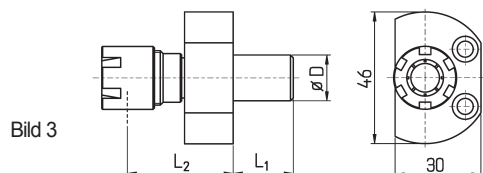
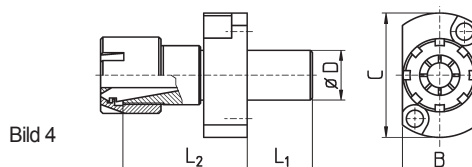
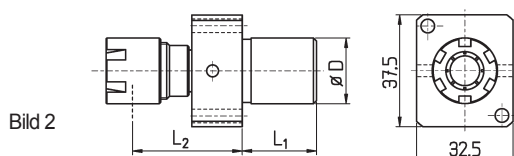
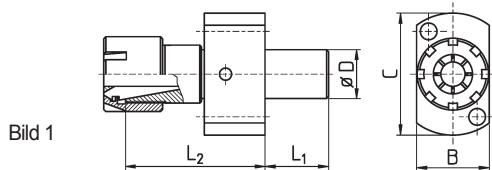
Gewindeschneidfutter Tap Holders

5 Gewindeschneidfutter Schneideisenhalter Tap Holders Die Holders

BRITSCH
Spannzeuge GmbH

**Gewindeschneidfutter ER11 / ER11M
ER16 / ER16M für STAR**

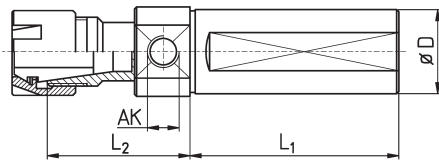
**Tap Holders ER11 / ER11M
ER16 / ER16M for STAR**



Bestell-Nr. order-no.	D	L ₁	L ₂	B	C	Bild	Mutter nut	Maschinen-Typ machine type
GFM111610SRJ	16	10	43	17	40	5	ER11M	SR10J
GSM111621SR	16	21	24,5	24	40	4	ER11M	SR16 / SR20
GSM111621RNC	16	21	36			3	ER11M	RNC16
GFM112225SR	22	25	19	38	48	1	ER11M	SR32
GFM112225SRR	22	25	20,5	28	49	1	ER11M	SR20R / SR20J
GFM112225SW	22	25	27			2	ER11M	SW20 / SR20RIV
GFM161610SRJ	16	10	53	17	40	5	ER16M	SR10J
GSM161621SR	16	21	42	24	40	4	ER16M	SR16 / SR20
GSM161621RNC	16	21	45			3	ER16M	RNC16
GFM162225SR	22	25	28	38	48	1	ER16M	SR32
GFM162225SRR	22	25	29,5	28	49	1	ER16M	SR20R / SR20J
GFM162225SW	22	25	36			2	ER16M	SW20 / SR20RIV
GFU111610SRJ	16	10	43	17	40	5	UM/ER11	SR10J
GSU111621SR	16	21	24,5	24	40	4	UM/ER11	SR16 / SR20
GSU111621RNC	16	21	45			3	UM/ER11	RNC16
GFU112225SR	22	25	28	38	48	1	UM/ER11	SR32
GFU112225SRR	22	25	29,5			1	UM/ER11	SR20R / SR20J
GFU112225SW	22	25	36			2	UM/ER11	SW20 / SR20RIV
GFU161610SRJ	16	10	53	17	40	5	UM/ER16	SR10J
GSU161621SR	16	21	42	24	40	4	UM/ER16	SR16 / SR20
GSU161621RNC	16	21	45			3	UM/ER16	RNC16
GFU162225SR	22	25	28	38	48	1	UM/ER16	SR32
GFU162225SRR	22	25	29,5	28	49	1	UM/ER16	SR20R / SR20J
GFU162225SW	22	25	36			2	UM/ER16	SW20 / SR20RIV

Gewindeschneidfutter ER16, ER16M, ER20M
schlanke Bauform, präzise Führung
mit innerer Kühlmittelzufuhr

Tap Holders ER16, ER16M, ER20M
Slim Type, Precisely Guided
with Inner Coolant



Bestell-Nr. order-no.	Bereich range	Auszug pullout	D	L ₁	L ₂	AK	Zange collet	Mutter nut
GFU161950AK1WD	M1- M10	15 mm	3/4"	50	30	G1/8"	ER16	ER16
GFU162050AK1WD	M1- M10	15 mm	20	50	30	G1/8"	ER16	ER16
GFU162570AK1WD	M1- M10	15 mm	25	70	30	G1/8"	ER16	ER16
GFU162670AK1WD	M1- M10	15 mm	1"	70	30	G1/8"	ER16	ER16
GFU162670AK1WD	M1- M10	15 mm	1"	70	30	G1/8"	ER16	ER16
GFM161645AK1WD	M1 - M8	7 mm	16	45	36	G1/8"	ER16	ER16M
GFM161950AK1WD	M1 - M8	7 mm	3/4"	50	36	G1/8"	ER16	ER16M
GFM162050AK1WD	M1 - M8	7 mm	20	50	36	G1/8"	ER16	ER16M
GFM162070AK1WD	M1 - M8	7 mm	20	70	36	G1/8"	ER16	ER16M
GFM162270AK1WD	M1 - M8	7 mm	22	70	36	G1/8"	ER16	ER16M
GFM162570AK1WD	M1 - M8	7 mm	25	70	36	G1/8"	ER16	ER16M
GFM162670AK1WD	M1 - M8	7 mm	1"	70	36	G1/8"	ER16	ER16M
GFM203250AK1WD	M1- M10	10 mm	32	50	31	G1/8"	ER20	ER20M
GFM203280AK1WD	M1- M10	10 mm	32	80	31	G1/8"	ER20	ER20M

5.1 - 10

Gewindeschneidfutter Tap Holders

5 Gewindeschneidfutter Schneideisenhalter Tap Holders Die Holders

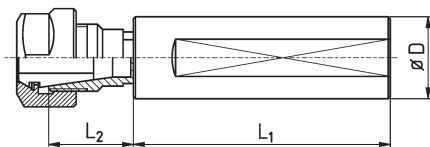


Gewindeschneidfutter ER11 ER16 ER20
extrem kleine Baumaße, Sechskantführung

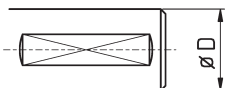
Tap Holders ER11 ER16 ER20
Extremely Small Dimensions, Hexagon Guidance

Ausführungen:
Versions:

WD: Spannfläche durchgehend
WD: Clamping flat throughout



FL: Spannfläche abgesetzt
FL: Enclosed clamping flat



Halter Holder			Zange ER11 collet ER11			Zange ER16 collet ER16			Zange ER20 collet ER20		
Bestell-Nr. order-no.	D	L ₁	L ₂	Bereich range	Mutter nut	L ₂	Bereich range	Mutter nut	L ₂	Bereich range	Mutter nut
GSU**1438	14	38	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**1450	14	50	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**1630	16	30	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**1635	16	35	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**1670	16	70	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**16120FL	16	120	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**18125WD	18	125	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**1938FL	3/4"	38	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**1970FL	3/4"	70	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**19120FL	3/4"	120	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**19120	3/4"	120	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**1950FL	3/4"	50	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**1950	3/4"	50	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2038FL	20	38	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2050FL	20	50	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2070FL	20	70	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**20170WD	20	170	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2238FL	22	38	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2250FL	22	50	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2270FL	22	70	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**22120FL	22	120	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2538FL	25	38	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2550FL	25	50	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2570FL	25	70	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2580FL	25	80	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2638FL	1"	38	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2650FL	1"	50	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2670FL	1"	70	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**2680FL	1"	80	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20
GSU**26125FL	1"	125	10	M1 - M6	UM/ER11	27	M1 - M8	UM/ER16	32	M2 - M16	UM/ER20

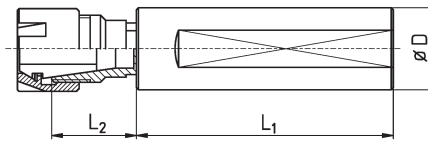
Bestell-Nr.: ** Wird ersetzt durch die Nenngröße der gewünschten Zangenhalterung (11 / 16 od. 20)
order-no.: ** To be replaced by the collet-no. of the collet holder (11 / 16 or 20)

Gewindeschneidfutter ER11M ER16M ER20M
extrem kleine Baumaße, Sechskantführung

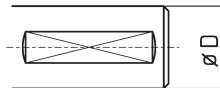
Tap Holders ER11M ER16M ER20M
Extremely Small Dimensions, Hexagon Guidance

Ausführungen:
Versions:

WD: Spannfläche durchgehend
WD: Clamping flat throughout



FL: Spannfläche abgesetzt
FL: Enclosed clamping flat



Halter Holder		Zange ER11 collet ER11				Zange ER16 collet ER16			Zange ER20 collet ER20		
Bestell-Nr. order-no.	D	L ₁	L ₂	Bereich range	Mutter nut	L ₂	Bereich range	Mutter nut	L ₂	Bereich range	Mutter nut
GSM**1438	14	38	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**1450	14	50	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**1630	16	30	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**1635	16	35	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**1670	16	70	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**16120FL	16	120	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**18125WD	18	125	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**1938FL	3/4"	38	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**1970FL	3/4"	70	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**19120FL	3/4"	120	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**19120	3/4"	120	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**1950FL	3/4"	50	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**1950	3/4"	50	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2038FL	20	38	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2050FL	20	50	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2070FL	20	70	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**20170WD	20	170	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2238FL	22	38	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2250FL	22	50	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2270FL	22	70	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**22120FL	22	120	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2538FL	25	38	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2550FL	25	50	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2570FL	25	70	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2580FL	25	80	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2638FL	1"	38	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2650FL	1"	50	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2670FL	1"	70	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**2680FL	1"	80	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M
GSM**26125FL	1"	125	10	M1 - M6	ER11M	27	M1 - M8	ER16M	32	M2 - M16	ER20M

Bestell-Nr.: ** wird ersetzt durch die Nenngröße der gewünschten Zangenhalterung (11 / 16 od. 20)
order-no.: ** To be replaced by the collet-no. of the collet holder (11 / 16 or. 20)

5.1 - 12

Gewindeschneidfutter Tap Holders

5

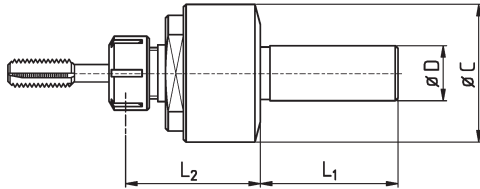
Gewindeschneidfutter
Schneideisenhalter
Tap Holders
Die Holders

BRITSCH
Spannzeuge GmbH

Gewindeschneidfutter ER20 ER25
überlaufend, für Rechts- und Linksgewinde

Tap Holders ER20 ER25
With Releasing, for Right and Left Hand Thread

Standardeinstellung für Rechtsgewinde, problemlos auf Linksgewinde umbaubar
Standard default for right hand thread, convertible to left hand thread without problems



Bestell-Nr. order-no.	Zange collet	D	L ₁	L ₂	C	Bereich range	Mutter nut
GGA201950	ER20	3/4"	50	51	51	M2 - 16	UM/ER20
GGA202050	ER20	20	50	51	51	M2 - 16	UM/ER20
GGA202250	ER20	22	50	51	51	M2 - 16	UM/ER20
GGA202550	ER20	25	50	51	51	M2 - 16	UM/ER20
GGA202650	ER20	1"	50	51	51	M2 - 16	UM/ER20
GGA203150	ER20	1 1/4"	50	51	51	M2 - 16	UM/ER20
GGA203250	ER20	32	50	51	51	M2 - 16	UM/ER20
GGA251950	ER25	3/4"	50	54	51	M2 - 20	UM/ER25
GGA252050	ER25	20	50	54	51	M2 - 20	UM/ER25
GGA252250	ER25	22	50	54	51	M2 - 20	UM/ER25
GGA252550	ER25	25	50	54	51	M2 - 20	UM/ER25
GGA252650	ER25	1"	50	54	51	M2 - 20	UM/ER25
GGA253150	ER25	1 1/4"	50	54	51	M2 - 20	UM/ER25
GGA253250	ER25	32	50	54	51	M2 - 20	UM/ER25

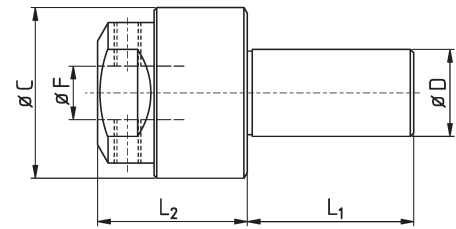
Gewindebohrer klinkt nach 4 mm Auszug automatisch aus

Pullout approx. 4 mm, after that automatic release

Gewindebohrerhalter
überlaufend, für Rechts- und Linksgewinde

Tap Holders
With Releasing, for Right and Left Hand Thread

Bestell-Nr. order-no.	D	L ₁	L ₂	C	F
V180.219	3/4"	50	44	51	18
V180.220	20	50	44	51	18
V180.222	22	50	44	51	18
V180.225	25	50	44	51	18
V180.226	1"	50	44	51	18
V180.230	30	50	44	51	18
V180.231	1 1/4"	50	44	51	18
V180.232	32	50	44	51	18
V180.322	22	50	54	51	25
V180.325	25	50	54	51	25
V180.326	1"	50	54	51	25
V180.330	30	50	54	51	25
V180.331	1 1/4"	50	54	51	25
V180.332	32	50	54	51	25



Gewindebohrer klinkt nach 4 mm Auszug automatisch aus

Pullout approx. 4 mm, after that releasing

Bei Drehrichtungswechsel arretiert der Halter sofort: Gewindebohrer läuft zurück

When changing direction the holder locks immediately: tap's running back

5.1 - 14

Gewindeschneidfutter Tap Holders

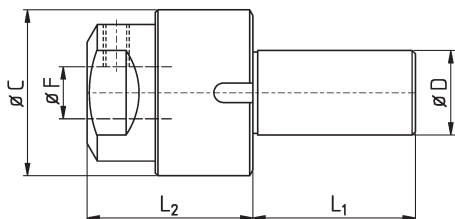
5

Gewindeschneidfutter
Schneideisenhalter
Tap Holders
Die Holders

BRITSCH
Spannzeuge GmbH

**Gewindebohrerhalter, kugelführt
zum Gewindenachsneiden für Rechts- und Linksgewinde**

**Tap Holders, Ball Bearing Guided
For Retapping Right and Left Hand Thread**



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	D	L ₁	L ₂	C	F
U270.50.15	Index 12 - 18 - 25 Index C19 - 29/8L	W14 521	3/4"	46	35	44	12/15
U270.50.20	Index 12 - 18 - 25 Index C19 - 29/8L	W14 510.0046 Traub 315 080	3/4"	46	41	44	12
U270.50.25	Index 12 - 18 - 25 Index C19 - 29/8L	W14	3/4"	46	43	41	15
U270.50.35	Traub TD 16 - 36	Traub 315 033	3/4"	50	51	50	25
U270.60.30	Index B30-42-60-60F/8L Index C19 - 29/6L Index ER 30-42-60-100 Index ER 30-42-60/iL	W34 510.00	1"	46	52	53,5	18
U270.65.30	Index B30-42-60-60F/8L Index C19 - 29/6L Index ER 30-42-60-100 Index ER 30-42-60/iL	W34	1"	50	52	50	25
U270.65.40	Index B30-42-60-60F/6L Index ER 30-42-60-100 Index ER 30-42-60/iL	W54510.00	1 1/4"	50	52	50	25

Weitere Schaft-Ø lieferbar: 5/8" 16,0 20,0 22,0 25,0 30,0 1 1/4" 32,0
Other shank-Ø available:

Doppel-Gewindeschneidfutter
beidseitiger Auszug, für CNC-Maschinen mit
Abgreifspindel (ATAK, CITIZEN, MANUHRIN, STAR)

Double Ended Tap Holders
Non Reversing Both Ends for CNC-Machines with
Sub Spindle (ATAK, CITIZEN, MANUHRIN, STAR)

Einsätze - inserts							
Bezeichnung title	Zange collet	L ₂ / L ₃	Bereich range	Mutter nut	A	Gewinde thread	Schlüssel spanner
U11	ER11	9	M1 - M6	UM/ER11	19	M14x0,75	GS17
M11	ER11	10	M1 - M6	ER11M	16	M13x0,75	E11M
U16	ER16	19	M1 - M8	UM/ER16	28	M22x1,5	GS25
M16	ER16	19	M1 - M8	ER16M	22	M19x1	E16M

Beliebige Kombinationsmöglichkeiten - *Any possible combinations:*

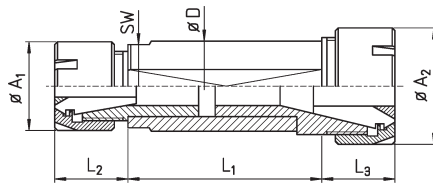
z. B. 2 gleiche Zangen (und Muttern)
For example 2 identical collets (and nuts)

oder unterschiedliche Zangen und Muttern:
or different collets and nuts:



Beispiel - *example:*

Halter mit $\varnothing 22 + L = 40 \text{ mm} = 2240$
holder with



Einsatz - insert 1:
Zange
collet ER11
= M11
Mutter
nut ER11M

Einsatz - insert 2:
Zange
collet ER16
= M16
Mutter
nut ER16M

Bestell-Schlüssel - *Key to order:*

GD	Einsatz 1 <i>insert 1</i>	Einsatz 2 <i>insert 2</i>	Halter <i>holder</i>
----	------------------------------	------------------------------	-------------------------

==> Bestell-Nr. - *order-no.:*

GD M11 M16 2240

Halter - holders			
Bezeichnung title	D	L ₁	SW
1945FL	3/4"	45	-
1950FL	3/4"	50	-
2048FL	20	48	-
2055FL	20	55	17
2060FL	20	60	17
2240	22	40	-
2246FL	22	46	-
2248FL	22	48	-
2257WD	22	57	-
2260FL	22	60	17
2275FL	22	75	17
2285FL	22	85	17
2295WD	22	95	17
22100WD	22	100	-
2360WD	23	60	-
2545WD	25	45	-
2546FL	25	46	-
2562WD	25	62	-
2570	25	70	-
2570FL	25	70	-
2646FL	1"	46	-
2670FL	1"	70	17
2670	1"	70	-
3265WD	32	65	17

Alle Gewindeschneidfutter werden incl. Standard-Mutter geliefert - *all tap holders will be supplied with clamping Nut (standard)*
Auf alle Doppel-Gewindeschneidfutter passen unsere Schneideisenköpfe - *all double tap holders can be also used for button die holders*

5.2 - 2

Doppel-Gewindeschneidfutter Double Ended Tap Holders

5

Gewindeschneidfutter
Schneideisenhalter
Tap Holders
Die Holders

BRITSCH
Spannzeuge GmbH

Zangenspannfutter-Gewindeschneidfutter

- Seite: Feste Zangenaufnahme
- Seite: Gewindeschneidfutter

Collet Holder-Tap Holder

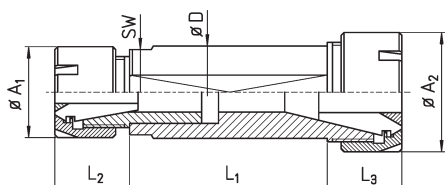
- Side 1: Drill Holder
Side 2: Tap Holder

Einsätze - inserts

Bezeichnung title	Zange collet	L ₂	Bereich range	Mutter nut	A	Gewinde thread	Schlüssel spanner
U11	ER11	9	M1 - M6	UM/ER11	19	M14x0,75	GS17
M11	ER11	10	M1 - M6	ER11M	16	M13x0,75	E11M
U16	ER16	19	M1 - M8	UM/ER16	28	M22x1,5	GS25
M16	ER16	19	M1 - M8	ER16M	22	M19x1	E16M

Jeder Halter kann mit jedem Einsatz kombiniert werden
Each holder can be combined with each insert

Beispiel - example:



Einsatz - insert ER11
= M11
Mutter
nut ER11M

Halter - holder ER16
Ø 22 ; L = 70
= M162270FL
Mutter
nut ER16M

Bestell-Schlüssel - key to order:

GE	Einsatz insert	Halter holder
----	-------------------	------------------

==> Bestell-Nr. - order-no.:

GEM11M162270FL

Halter - holders

feste Seite - drill holder

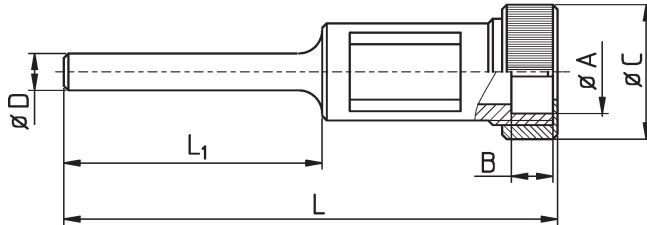
Bezeichnung title	Zange collet	Mutter nut	D	L ₁	L ₃	SW
M111630WD	ER11	ER11M	16	30	13	-
M111640WD	ER11	ER11M	16	30	13	-
M161950FL	ER16	ER16M	3/4"	50	16	-
M161970FL	ER16	ER16M	3/4"	70	16	-
M162050FL	ER16	ER16M	20	50	16	-
M162070FL	ER16	ER16M	20	70	16	-
M162250FL	ER16	ER16M	22	50	16	-
M162270FL	ER16	ER16M	22	70	16	-
M1622100FL	ER16	ER16M	22	100	16	-
M1622120FL	ER16	ER16M	22	120	16	-
M162570WD	ER16	ER16M	25	70	16	-
M162650WD	ER16	ER16M	1"	50	16	-
M162670WD	ER16	ER16M	1"	70	16	-
U112032FL	ER11	UM/ER11	20	32	13	-
U112055FL	ER11	UM/ER11	20	55	13	-
U112255FL	ER11	UM/ER11	22	55	13	-

Alle Gewindeschneidfutter werden incl. Standard-Mutter geliefert - holders will be supplied with clamping Nut (standard)
Auf alle Doppel-Gewindeschneidfutter passen unsere Schneideisenköpfe - All double tap holders can be also used for button die holders

**Schneideisenhalter
mit Zylinderschaft, Überwurfmutter**

**Button Die Holders
with Cylindrical Shank, Lock Nut**

Für Langdrehautomaten (mit Klemmkonus) oder zur Aufnahme in Gewindeschneidfutter
For lathes (with chuck cone) or to use with tapping holders



Bestell-Nr. order-no.	A	B	D	C	L ₁	L	max. Gew.länge max. thread length
SHM16-5	16	5	5	23	55	87	22
SHM16-6	16	5	6	23	55	87	22
SHM16-7	16	5	7	23	55	87	22
SHM16-8	16	5	8	23	55	87	22
SHM20-5	20	7	5	26	50	87	27
SHM20-6	20	7	6	26	50	87	27
SHM20-7	20	7	7	26	50	87	27
SHM20-8	20	7	8	26	50	87	27
SHM20-8K	20	4	8	26	55	77	18

5.3 - 2

Schneideisenhalter Die Holders

5

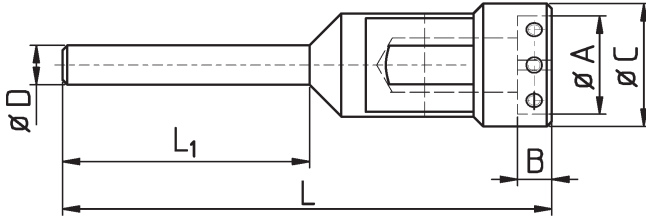
Gewindeschneidfutter
Schneideisenhalter
Tap Holders
Die Holders

BRITSCH
Spannzeuge GmbH

**Schneideisenhalter
mit Zylinderschaft, Schraubklemmung**

**Button Die Holders
with Cylindrical Shank, Screw Clamping**

Für Langdrehautomaten (mit Klemmkonus) oder zur Aufnahme in Gewindeschneidfutter
For lathes (with chuck cone) or to use with tapping holders

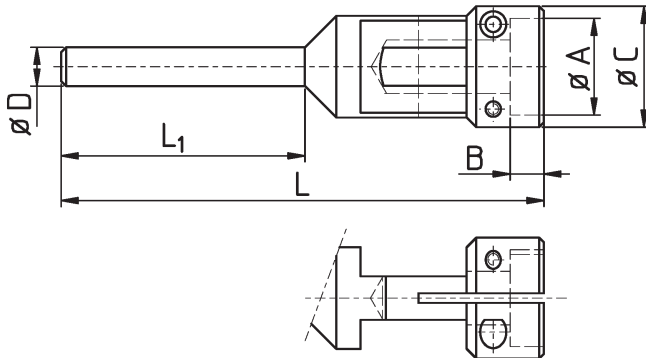


Bestell-Nr. order-no.	A	B	D	C	L ₁	L	max. Gew.länge max. thread length
SH16-6	16	5	6	22	55	80	21
SH16-6L	16	5	6	22	49	95	35
SH16-7	16	5	7	22	52	80	21
SH16-7L	16	5	7	22	50	95	35
SH16-8	16	5	8	22	55	80	21
SH16-8L	16	5	8	22	50	95	35
SH20-7	20	7	7	27	51	80	21
SH20-7L	20	7	7	27	49	95	35
SH20-8	20	7	8	27	52	80	21
SH20-8L	20	7	8	27	49	95	35
SH25-7	25	9	7	32	52	85	29
SH25-7L	25	9	7	32	50	95	35
SH25-8	25	9	8	32	50	85	29
SH25-8L	25	9	8	32	50	95	35
SH25-10	25	9	10	32	50	85	29
SH30-8	30	11	8	40	43	96	35
SH30-8L	30	11	8	40	53	95	40
SH30-10	30	11	10	40	53	95	40
SH30-12	30	11	12	40	53	95	40
SH38-10a	38	10	10	49	58	129	52
SH38-10	38	14	10	49	58	129	52
SH38-12a	38	10	12	49	58	129	52
SH38-12	38	14	12	49	58	129	52
SH38-8a	38	10	8	49	50	106	43
SH38-8	38	14	8	49	50	106	43
SH45-10	45	14	10	55	56	128	52
SH45-12	45	14	12	55	56	128	52

Schneideisenhalter mit Zylinderschaft, Schlitzklemmung

Button Die Holders with Cylindrical Shank, Split Clamping

Für Langdrehautomaten (mit Klemmkonus) oder zur Aufnahme in Gewindeschneidfutter
For lathes (with chuck cone) or to use with tapping holders



Bestell-Nr. order-no.	A	B	D	C	L ₁	L	max. Gew.länge max. thread length
SHS12-8	12	2,5	8	16	58	80	18
SHS12-6	12	3	6	16	58	80	16
SHS16-6	16	5	6	20	55	80	20
SHS16-6L	16	5	6	20	47	95	35
SHS16-7	16	5	7	20	52	80	20
SHS16-7L	16	5	7	20	50	95	35
SHS16-8	16	5	8	20	52	80	20
SHS16-8L	16	5	8	20	50	95	35
SHS20-7	20	7	7	25	55	80	22
SHS20-7L	20	7	7	25	49	95	33
SHS20-8	20	7	8	25	52	80	22
SHS20-8L	20	7	8	25	48	95	33
SHS25-7	25	9	7	30	50	85	27
SHS25-7L	25	9	7	30	50	95	27
SHS25-8	25	9	8	30	50	85	27
SHS25-8L	25	9	8	30	50	95	27
SHS38-10	38	12	10	48	55	129	53
SHS45-10	45	15	10	50	55	129	53
SHS45-12	45	15	12	52	55	129	53

Vorteil der Schlitzklemmung: Schneideisenhöhe spielt keine Rolle

Advantage of split clamping: height of die is irrelevant

Schneideisenhalter mit VDI-Schaft

Button Die Holders with VDI-Shank

S. Kap. 4

on chapter 4

5.3 - 4

Schneideisenhalter Die Holders

5

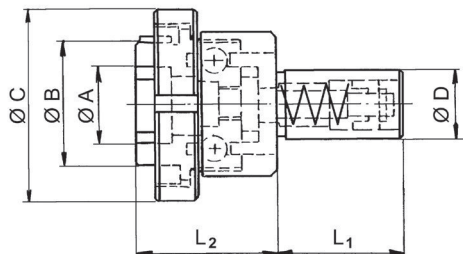
Gewindeschneidfutter
Schneideisenhalter
Tap Holders
Die Holders

BRITSCH
Spannzeuge GmbH

Schneideisenhalter
ausziehbar, kugelgeführt

Button Die Holders
Non-Reversing, Ball Bearing Guided

Zum Gewindeschneiden für Rechts- und Linksgewinde
For tapping right and left hand thread



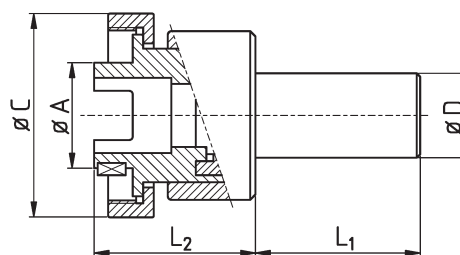
Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part-no.	A	B	C	D	L ₁	L ₂
U260.50.20	Index 12 - 18 - 25 Index C19 - 29/8L Index DG12-DO12/6L	W14 012.0046 W14 010.00	16	32	56	3/4"	46	37
U260.60.30	Index B30-42-60F/8L Index C19 - 29/6F Index ER30-42-60/8L	W34 010.00 W34 012.00	28	45	71	1"	46	51

Weitere Schaft-Ø auf Anfrage: 5/8" 16,0 20,0 22,0 25,0 30,0 1 1/4" 32,0
Other shank-Ø on request:

Schneideisenhalter
überlaufend, für Rechts- und Linkslauf

Button Die Holders
with Releasing, for Right and Left Hand Thread

Bestell-Nr. order-no.	D	L ₁	L ₂	C	A	Auszug pull-out	Aufsatz top part
V200.219	3/4"	50	46	57	32	4	U261.50
V200.220	20	50	46	57	32	4	U261.50
V200.222	22	50	46	57	32	4	U261.50
V200.225	25	50	46	57	32	4	U261.50
V200.226	1"	50	46	57	32	4	U261.50
V200.230	30	50	46	57	32	4	U261.50
V200.231	1 1/4"	50	46	57	32	4	U261.50
V200.232	32	50	46	57	32	4	U261.50
V200.322	22	50	51	71	45	4	U261.60
V200.325	25	50	51	71	45	4	U261.60
V200.326	1"	50	51	71	45	4	U261.60
V200.330	30	50	51	71	45	4	U261.60
V200.331	1 1/4"	50	51	71	45	4	U261.60
V200.332	32	50	51	71	45	4	U261.60



Das Schneideisen klinkt nach 4mm Auszug automatisch aus
Bei Drehrichtungswechsel arretiert der Halter sofort:
Das Schneideisen läuft zurück.

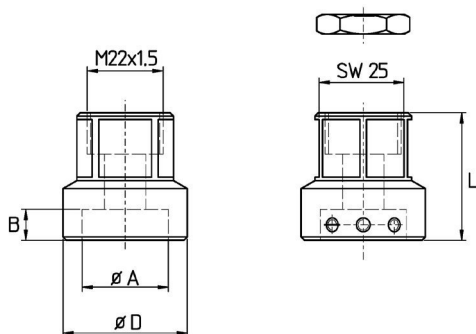
Pull-out approx. 4 mm - after that releasing

Seite
Page

- 1 - 5 Schneideisenkappen für Gewindebohrfutter ER
Button Die Holders for Tapping Holders ER
- 1 - 4 Kontermuttern für Schneideisenkappen
Counter Nuts for Button Die Holders
- 2 Verlängerungen f. Schneideisenkappen
Extensions for Button Die Holders
- 5 Schneideisenkappen für Gewindebohrfutter STROHM, TORNOS
Button Die Holders for Tapping Holders STROHM, TORNOS
- 6 Schneideisenkappen für Halter V200
Button Die Holders for Holders V200
- 7 Schneideisenkappen für TRAUB
Butten Die Holders for TRAUB

Schneideisenkappen
für Gewindebohrfutter ER16

Button Die Holders
for Tapping Holders ER16



Bestell-Nr. order-no.	A	B	D	L	max. Gew.länge max. thread length
SKA16-16A	16	3	36	38	49
SKA16-16B	16	5	36	38	49
SKA16-20A	20	5	36	38	49
SKA16-20B	20	7	36	38	49
SKA16-25	25	9	36	38	49
SKA16-30	30	11	39	38	46
SKA16-38A	38	10	50	45	53
SKA16-38B	38	14	50	50	58

ESM16

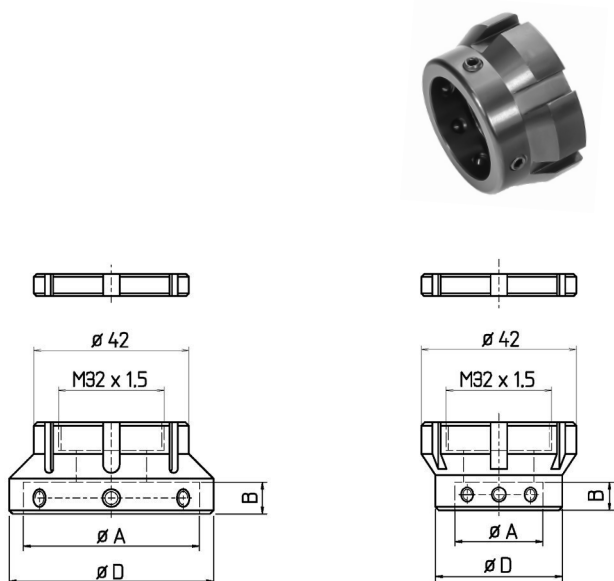
Kontermutter - counter nut

Alle Halter sind auch für Rolleisen geeignet
All button die holders suitable for rolling dies

5

Schneideisenkappen
für Gewindebohrfutter ER25

Button Die Holders
for Tapping Holders ER25



Bestell-Nr. order-no.	A	B	D
SKA25-16A	16	5	30
SKA25-20A	20	5	30
SKA25-20B	20	7	40
SKA25-25	25	9	40
SKA25-30	30	11	47
SKA25-38A	38	10	55
SKA25-38B	38	14	55
SKA25-45A	45	14	55
SKA25-45B	45	18	55
SKA25-55	55	16	68
SKA25-65	65	18	75

ESM25

Kontermutter - counter nut

Alle Halter sind auch für Rolleisen geeignet
All button die holders suitable for rolling dies

Läuft aus, wird ersetzt durch SK25- . .

Will be dropped, replaced in future by SK25- . .

5.4 - 2

Schneideisenkappen Button Die Holders

5

Gewindeschneidfutter
Schneideisenhalter
Tap Holders
Die Holders

BRITSCH
Spannzeuge GmbH

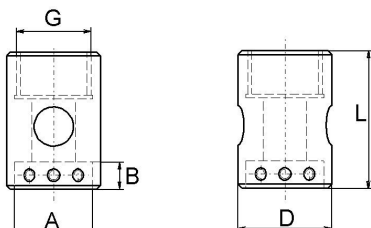
Schneideisenkappen, extra kurz
für Gewindebohrfutter ER11, ER11M

Button Die Holders, Extra Short
for Tapping Holders ER11, ER11M

Besonders schlanke und kurze Form

Very slim and short version

Keine Kontermutter nötig - *No counternut necessary*
eingearbeitete Sicherungsschrauben - *Lock screw included*



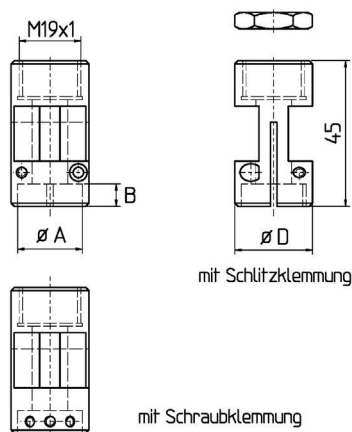
Bestell-Nr. order-no.	A	B	D	L	Gewinde thread	max. Gew.länge max. thread length
SK11MK-08	08	3	22	23	M13x0,75	
SK11MK-12	12	4	22	23	M13x0,75	
SK11MK-16	16	5	22	23	M13x0,75	32
SK11MK-20	20	7	27	25	M13x0,75	34
SK11MK-25	25	9	32	30	M13x0,75	39
SK11MK-30	30	11	40	30	M13x0,75	
SK11K-08	8	3	22	23	M14x0,75	
SK11K-12	12	4	22	23	M14x0,75	
SK11K-16	16	5	22	23	M14x0,75	32
SK11K-20	20	7	27	25	M14x0,75	34
SK11K-25	25	9	32	30	M14x0,75	39

Schneideisenkappen
für Gewindebohrfutter ER16M

Button Die Holders
for Tapping Holders ER16M

Lange Ausführung - *Long version*

besonders schlanke Form - *Slim dimensions*



mit Schlitzklemmung

mit Schraubklemmung

Bestell-Nr. order-no.	A	B	D	Gewinde thread	max. Gew.länge max. thread length
SKS16M-16*	16	5	25	M19x1	56
SKS16M-20*	20	7	27	M19x1	56
SK16M-16A	16	3,5	25	M19x1	56
SK16M-16	16	5	25	M19x1	56
SK16M-20A	20	5	27	M19x1	56
SK16M-20	20	7	27	M19x1	56
SK16M-25	25	9	33	M19x1	56
SK16M-30	30	11	39	M19x1	56
SK16M-38A	38	10	48	M19x1	56

ESM16M

Kontermutter - *counternut*

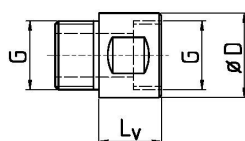
Alle Halter sind auch für Rolleisen geeignet

All button die holders suitable for rolling dies

* = mit Schlitzklemmung - *with split clamping*

Verlängerungen für Schneideisenkappen

Extensions for Button Die Holders

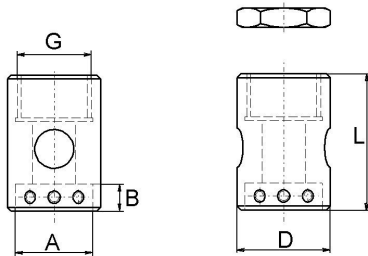


Bestell-Nr. order-no.	Gewinde thread	D	L_v
SKV-ER16M	M19x1	11	25
SKV-ER16	M22x1,5	20	28

Schneideisenkappen, extra - kurz
für Gewindebohrfutter ER16M

Button Die Holders, extra short
for Tapping Holders ER16M

Besonders schlanke und kurze Form
Slim and short version



Bestell-Nr. order-no.	A	B	D	L	Gewinde thread	max. Gew.länge max. thread length
SK16MK-16A	16	3,5	22	23	M19x1	37
SK16MK-16	16	5	22	23	M19x1	37
SK16MK-20A	20	5	27	25	M19x1	39
SK16MK-20	20	7	27	25	M19x1	39
SK16MK-25	25	9	32	30	M19x1	42
SK16MK-30	30	11	39	30	M19x1	42

ESM16M

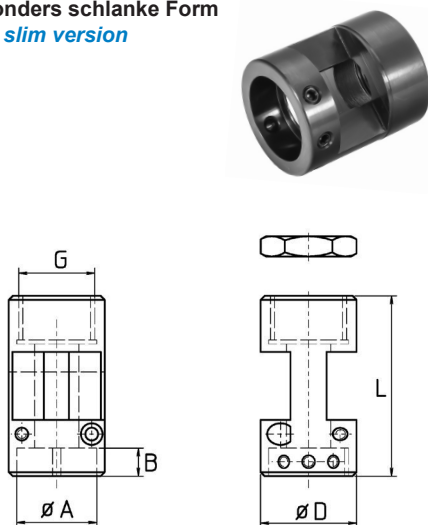
Kontermutter - counter nut

Alle Halter sind auch für Rolleisen geeignet
All button die holders suitable for rolling dies

Schneideisenkappen
für Gewindebohrfutter ER20

Button Die Holders
for Tapping Holders ER20

Besonders schlanke Form
Very slim version



Bestell-Nr. order-no.	A	B	D	L	Gewinde thread	max. Gew.länge max. thread length
SK20-16B	16	5	23	45	M25x1,5	70
SK20-20B	20	7	29	45	M25x1,5	66
SK20-25	25	9	34	45	M25x1,5	65
SK20-30B	30	11	40	45	M25x1,5	60
SK20-38B	38	14	48	45	M25x1,5	
SK20-45B	45	14	55	60	M25x1,5	

ESM20

Kontermutter - counter nut

Alle Halter sind auch für Rolleisen geeignet
All button die holders suitable for rolling dies

5.4 - 4

Schneideisenkappen Button Die Holders

5

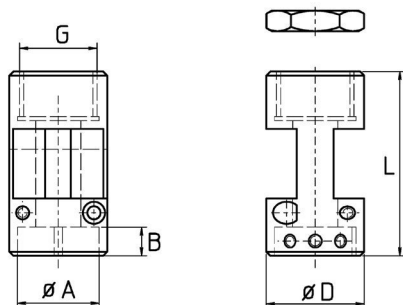
Gewindeschneidfutter
Schneideisenhalter
Tap Holders
Die Holders

BRITSCH
Spannzeuge GmbH

Schneideisenkappen für Gewindebohrfutter ER20M

Button Die Holders for Tapping Holders ER20M

Besonders schlanke Form - *Very slim version*



Bestell-Nr. order-no.	A	B	D	L	Gewinde thread	max. Gew.länge max. thread length
SK20M-16B	16	5	23	45	M24x1	70
SK20M-20	20	7	32,5	45	M24x1	66
SK20M-20B	20	7	29	45	M24x1	66
SK20M-25	25	9	34	45	M24x1	65
SK20M-30B	30	11	40	45	M24x1	60

ESM20M

Kontermutter - counter nut

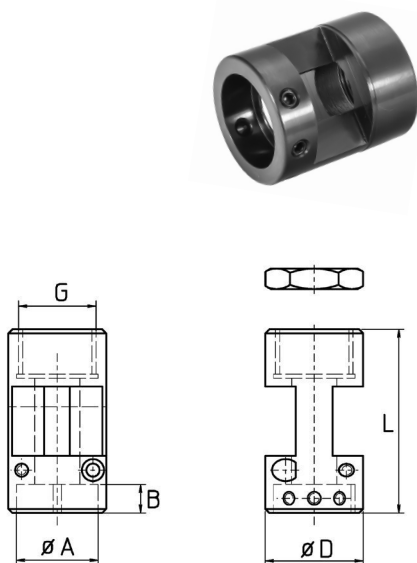
Alle Halter sind auch für Rolleisen geeignet
All button die holders suitable for rolling dies

5

Schneideisenkappen für Gewindebohrfutter ER25

Button Die Holders for Tapping Holders ER25

Besonders schlanke Form - *Very slim version*



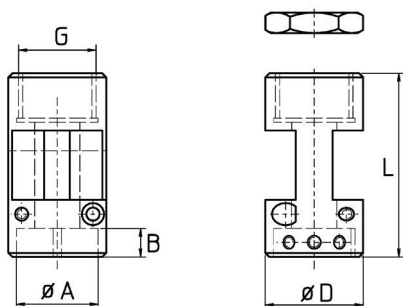
Bestell-Nr. order-no.	A	B	D	L	Gewinde thread	max. Gew.länge max. thread length
SK25-16A	16	3	32	50	M32x1,5	70
SK25-16B	16	5	32	50	M32x1,5	70
SK25-20A	20	5	32	50	M32x1,5	70
SK25-20B	20	7	32	50	M32x1,5	70
SK25-25	25	9	32	50	M32x1,5	70
SK25-30	30	11	41	50	M32x1,5	70
SK25-38A	38	10	46	50	M32x1,5	70
SK25-38B	38	14	46	50	M32x1,5	70
SK25-45A	45	14	53	50	M32x1,5	70
SK25-45	45	18	54	50	M32x1,5	70
SK25-55	55	16	65	50	M32x1,5	70
SK25-65	65	18	75	50	M32x1,5	70

ESM25

Kontermutter - counter nut

Schneideisenkappen
für Gewindebohrfutter ER32

Button Die Holders
for Tapping Holders ER32



Bestell-Nr. order-no.	A	B	D	L	Gewinde thread	max. Gew.länge max. thread length
SK32-20B	20	9	32	50	M40x1,5	80
SK32-25	25	9	32	50	M40x1,5	80
SK32-30	30	11	41	50	M40x1,5	80
SK32-38A	38	10	46	50	M40x1,5	80
SK32-38B	38	14	48	50	M40x1,5	80
SK32-45A	45	14	53	50	M40x1,5	80
SK32-45B	45	18	54	50	M40x1,5	80
SK32-55	55	16	65	50	M40x1,5	80
SK32-65	65	18	75	50	M40x1,5	80

ESM32

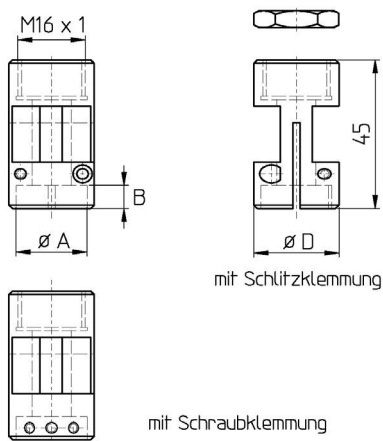
Kontermutter - counter nut

5

Schneideisenkappen für Gewindebohrfutter
STROM M125 / 205 / 255 + TORNOS R10

Button Die Holders for Tapping Holders
STROHM M125 / 205 / 255 + TORNOS

Besonders schlanke Form - *Very slim version*



Bestell-Nr. order-no.	A	B	D	L	Gewinde thread	max. Gew.länge max. thread length
SKM-16A	16	3,5	22	30	M16x1	60
SKM-16B	16	5	22	30	M16x1	60
SKM-20A	20	5	27	30	M16x1	60
SKM-20B	20	7	27	30	M16x1	60
SKM-25	25	9	32	35	M16x1	30
SKSM-16A*	16	3	20	40	M16x1	70
SKSM-20B*	20	7	24	40	M16x1	70
SKSM-25*	25	9	29	40	M16x1	35

* = mit Schlitzklemmung - *with split clamping*
Auf Anfrage fertigen wir auch Anschlussgewinde für weitere Langdreher
On request we also manufacture connection threads for other lathes

5.4 - 6

Schneideisenkappen Button Die Holders

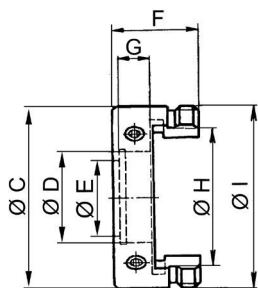
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Gewindeschneidfutter
Schneideisenhalter
Tap Holders
Die Holders

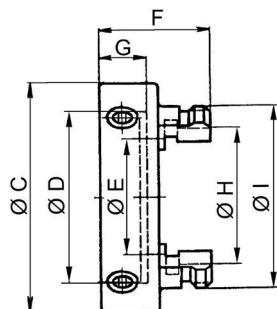
BRITSCH
Spannzeuge GmbH

Schneideisenkappen für Halter V200

Button Die Holders for Holders V200



Typ A



Typ B



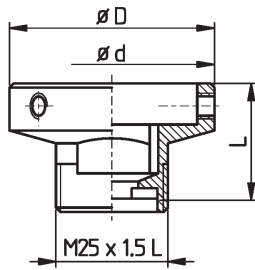
Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part-no.	Typ	C	F	E	Schneideisen button die Ø D x G	H	I
U261.50.20	INDEX 12 - 18 - 25 INDEX C19 - 29/8L INDEX DG12	W14 180:00	A	44	20	12	16 x 5	32	SG 48x1,5
U261.50.21		W14 190:00	A	44	20	16	20 x 5	32	
U261.50.22		W14 200:00	A	44	21	16	20 x 7	32	
U261.50.23		W14 210:00	A	44	23	20	25 x 9	32	
U261.50.24		W14 220:00	A	44	25	25	30 x 11	32	
U261.50.25		W14 240:00	B	52	25	25	38 x 11	32	
U261.50.26		W14 230:00	B	52	28	25	38 x 14	32	
U261.50.27		W14 250	B	60	28	25	45 x 14	32	
U261.50.28	W14 260	B	70	30	25	55 x 16	32		
V230.120	INDEX B30-42-60/8L INDEX ER 30-42-60/8L INDEX E30-42-60-100 INDEX C19 - 29/6L		A	60	28	16	20 x 7	45	SG 60x1,5
V230.125			A	60	28	20	25 x 9	45	
U261.60.31		W34 200	A	60	28	25	30 x 11	45	
U261.60.32		W34 210:00	A	60	27	32	38 x 11	45	
U261.60.33		W34 220:00	A	60	31	32	38 x 14	45	
U261.60.34		W34 230:00	A	60	31	28	45 x 14	45	
U261.60.35		W34 240:00	A	60	35	38	45 x 18	45	
U261.60.36			B	70	36	38	50 x 16	45	
U261.60.37		W34 250:00	B	75	36	38	55 x 16	45	
U261.60.38		W34 26:00	B	85	38	38	65 x 18	45	

Halter V200 s. 5.3

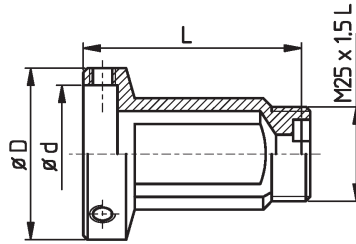
Holders V200 see 5.3

Schneideisenkappen für TRAUB A15-20-25

Button Die Holders for TRAUB A15-20-25



Typ K



Typ L



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part-no.	Typ	L	D	d Schneideisen button die
U262.K16b	TRAUB A15-20-25 Gewindeschneid- einrichtung <i>tapping unit</i>	610 197	K	30	25,5	16
U262.K20b		610 194/5	K	30	27	20
U262.K25		610 196	K	30	32	25
U262.K30		610 198	K	30	40	30
U262.L16b	TRAUB A15-20-25 Gewindeschneid- einrichtung <i>tapping unit</i>	610 201	L	60	27	16
U262.L20b		610 202/3	L	60	32	20
U262.L25		610 204	L	60	34,5	25
U262.L30		610 205	L	60	40	30
U262.L38		610 206	L	60	45,5	38
ähnlich:			Zange			
EG11A25	Gewindebohrerspannkopf	610 131			ER11	ø max 7
EG16A25	<i>tap holder clamping heads</i>	610 653			ER16	ø max 10

Seite
Page

- 1 Pendelhalter ER, einstellbar
Adjustable Reamer Holders ER
- 2 Pendelhalter ER, schlanke Bauform
Reamer Holders ER, Slim Type
- 3 Pendelhalter ER mit Morsekonus, einstellbar
Adjustable Reamer Holders ER with Morse Cone
- 4, 5 Pendelhalter ER mit innerer Kühlmittelzufuhr
Reamer Holders ER with Inner Coolant
- 6 - 8 Pendelhalter ER, besonders schlanke Bauform
Adjustable Reamer Holders ER, Extra Slim Type
- 9 Einstellschlüssel für Pendelhalter EP
Adjusting Spanners for Reamer Holders Type EP

Technische Informationen

Technical Informations

- Pendelhalter können zum Ausgleich von Fluchtungsfehlern auch für starres Gewindebohren auf CNC-Werkzeugmaschinen eingesetzt werden
- Alle Pendelhalter werden incl. Standard-Mutter geliefert
- Pendelhalter mit "AK" werden incl. abgedichteter Mutter (System Rego-fix) geliefert.
- Abkürzungen bei den Halter-Bezeichnungen siehe auch Technische Informationen zu Kap. 2.1
- Bei Haltern mit Kühlmittelanschluss:
IK = axialer Kühlmittelanschluss
AK = seitlicher (radialer) Kühlmittelanschluss

Gewinde des Kühlmittelanschlusses:
AK0 = M12x1,5
AK1 = G1/8"
AK2 = M8x1
AK3 = M10x1

Alle Halter AK0 können auf AK1 - AK3 reduziert werden
- Einstellen des Freipendelns bei Haltern mit dieser Option:
 - Schwarze Schrauben auf der vorderen Stirnseite leicht lösen.
 - Blanke Schraube ganz herausdrehen. Unter dieser befindet sich die Lochung zum Einstellen des Freipendelns.
 - Ist die gewünschte Einstellung erreicht, alle Schrauben wieder anziehen

- *Reamer holders could be used for compensate misalignment while tapping on CNC-machines*
- *All reamer holders will be supplied with clamping Nut (standard)*
- *Reamer holders with "AK" will be supplied with sealed nut type Rego-fix*
- *Abbreviations for holders see technical Informations chapter 2.1*
- *Holders with inner coolant inlet:
IK = axial coolant inlet
AK= radial coolant inlet*

*Thread of coolant inlet:
AK0 = M12x1,5
AK1 = G1/8"
AK2 = M8x1
AK3 = M10x1*

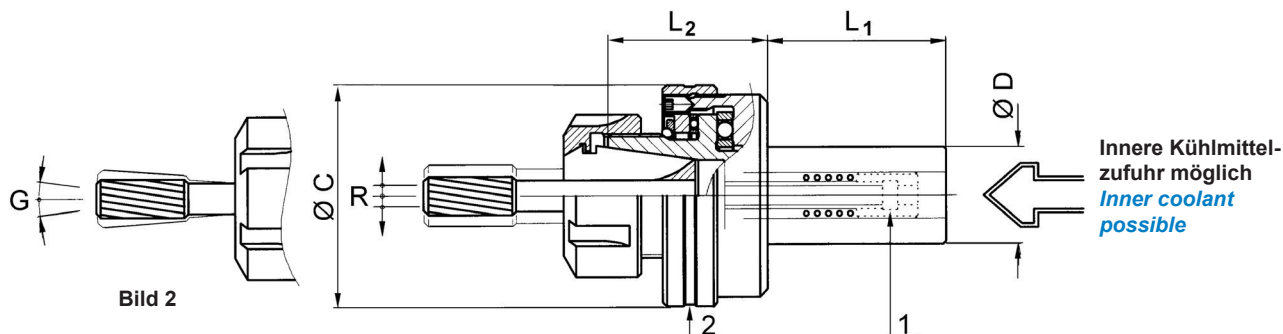
All holders with coolant inlet AK0 can be reduced to AK1 - AK3
- *Adjusting of axial float:
- Release frontal black screws
- Silver screw has to be removed completely.
Below this screw is the boring to adjust
- After adjusting tighten all screws*

Pendelhalter, einstellbar mit Zangenspannung

Adjustable Reamer Holders

- Einsatz: Freipendelnd und parallelpendelnd s. techn. Informationen S.1
- Kann auch zum Ausgleich von Fluchtungsfehlern für starres Gewindebohren auf CNC-Werkzeugmaschinen eingesetzt werden
- Die Zentrierkraft (abhängig von der Größe der Reibahle) kann über Schraube 1 eingestellt werden
- Freipendeln (Bild 2) über Mutter 2 einstellbar
- Incl. Standardmutter

- Axial and parallel floating
- See technical information page 1
- Screw (1) adjusts spring pressure, giving parallel float adjustment
- Nut (2) adjusts axial float (Bild 2)
- Incl. standard nut



Bestell-Nr. order-no.	Zange collet	Mutter nut	D	C	L ₁	L ₂	R
V155.715 *	ER11	ER11A	5/8"	42	46	34	1
V155.716 *	ER11	ER11A	16	42	46	34	1
V155.719 *	ER11	ER11A	3/4"	42	46	34	1
V155.720 *	ER11	ER11A	20	42	46	34	1
V155.722 *	ER11	ER11A	22	42	46	34	1
V155.725 *	ER11	ER11A	25	42	46	34	1
V155.726 *	ER11	ER11A	1"	42	46	34	1
V155.015	ER16	UM/ER16	5/8"	42	46	33	1
V155.016	ER16	UM/ER16	16	42	46	33	1
V155.019	ER16	UM/ER16	3/4"	42	46	33	1
V155.020	ER16	UM/ER16	20	42	46	33	1
V155.022	ER16	UM/ER16	22	42	46	33	1
V155.025	ER16	UM/ER16	25	42	46	33	1
V155.026	ER16	UM/ER16	1"	42	46	33	1
V155.116	ER20	UM/ER20	16	50	46	39	1
V155.119	ER20	UM/ER20	3/4"	50	46	39	1
V155.120	ER20	UM/ER20	20	50	46	39	1
V155.125	ER20	UM/ER20	25	50	46	39	1
V155.126	ER20	UM/ER20	1"	50	46	39	1

Bestell-Nr. order-no.	Zange collet	Mutter nut	D	C	L ₁	L ₂	R
V155.216	ER25	UM/ER25	16	57	46	41	1
V155.219	ER25	UM/ER25	3/4"	57	46	41	1
V155.220	ER25	UM/ER25	20	57	46	41	1
V155.222	ER25	UM/ER25	22	57	46	41	1
V155.225	ER25	UM/ER25	25	57	46	41	1
V155.226	ER25	UM/ER25	1"	57	46	41	1
V155.232	ER25	UM/ER25	32	57	46	41	1
V155.325	ER32	UM/ER32	25	69	50	45	1,5
V155.326	ER32	UM/ER32	1"	69	50	45	1,5
V155.330	ER32	UM/ER32	30	69	50	45	1,5
V155.331	ER32	UM/ER32	1 1/4"	69	50	45	1,5
V155.332	ER32	UM/ER32	32	69	50	45	1,5
V155.425	ER40	UM/ER40	25	79	50	49	1,5
V155.426	ER40	UM/ER40	1"	79	50	49	1,5
V155.430	ER40	UM/ER40	30	79	50	49	1,5
V155.431	ER40	UM/ER40	1 1/4"	79	50	49	1,5
V155.432	ER40	UM/ER40	32	79	50	49	1,5

* Halter mit Außengewinde-Mutter ER11A (s. Kap. 1.3-1)

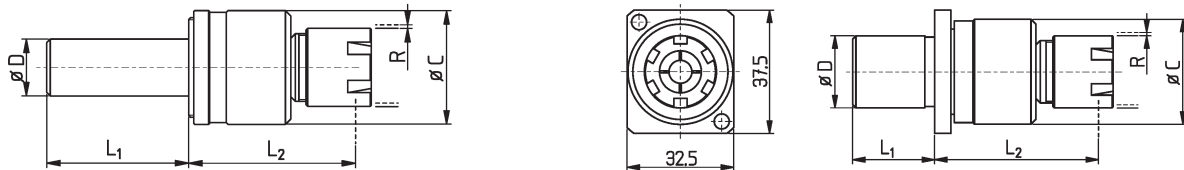
* Holder with external thread nuts ER11A (see chapter 1.3-1)

**Pendelhalter, einstellbar
 mit Zangenspannung**

Adjustable Reamer Holders

- Schlanke Bauform, parallel kugellagert, präzise Führung
- Exaktes Parallelpendeln
 (Freipendeln wie Seite 6.1-1 nicht möglich)
- Zum Ausgleich von Fluchtungsfehlern beim Einsatz auf CNC-Werkzeugmaschinen
- Federkraft (Zentrierkraft) verstellbar
- Incl. Standardmutter

- *Slim dimensions, accurate parallel floating*
- *Ball bearing guided*
- *No axial float possible*
- *Spring pressure adjustable*
- *Incl. standard nut*



Bestell-Nr. order-no.	Zange collet	Mutter nut	D	C	L ₁	L ₂	R
V155.516	ER11	UM/ER11	16	32	50	40	1
V155.519	ER11	UM/ER11	3/4"	32	46	40	1
V155.520	ER11	UM/ER11	20	32	50	40	1
V155.522	ER11	UM/ER11	22	32	60	40	1
V155.522SW	ER11	UM/ER11	22	32	25	40	2
V155.525	ER11	UM/ER11	25	32	50	40	1
V155.526	ER11	UM/ER11	1"	32	40	40	1
V155.616	ER16	ER16M	16	32	50	44	1
V155.619	ER16	ER16M	3/4"	32	46	44	1
V155.620	ER16	ER16M	20	32	50	44	1
V155.622	ER16	ER16M	22	32	60	44	1
V155.622SW	ER16	ER16M	22	32	25	44	2
V155.625	ER16	ER16M	25	32	50	44	1
V155.626	ER16	ER16M	1"	32	50	44	1

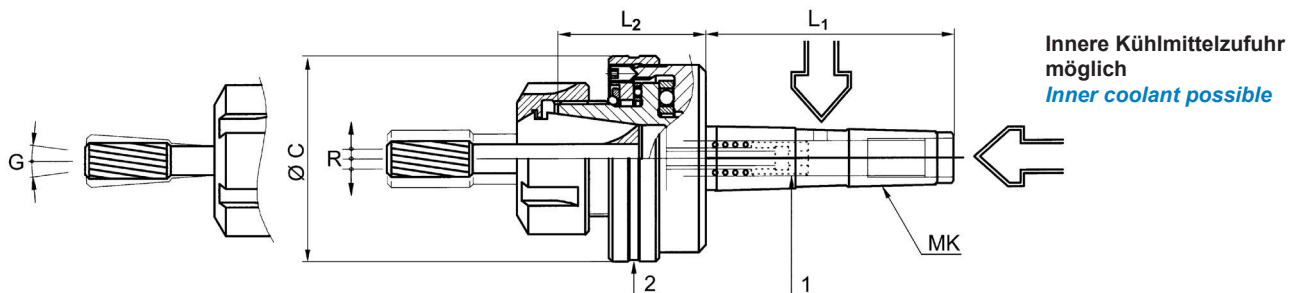
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Pendelhalter, einstellbar mit Morsekonus

Adjustable Reamer Holders with Morse Cone

- Einsatz: Freipendelnd und parallelpendelnd s. techn. Informationen S.1
- Kann auch zum Ausgleich von Fluchtungsfehlern für starres Gewindebohren auf CNC-Werkzeugmaschinen eingesetzt werden.
- Incl. Standardmutter

- Axial and parallel floating
- See technical information page 1
- Incl. standard nut



Bestell-Nr. order-no.	Zange collet	Mutter nut	MK	C	L ₁	L ₂	R
V155.702	ER11	UM/ER11	MK2	42	69	34	1
V155.703	ER11	UM/ER11	MK3	42	86	34	1
V155.002	ER16	UM/ER16	MK2	42	69	34	1
V155.003	ER16	UM/ER16	MK3	42	86	34	1
V155.102	ER20	UM/ER20	MK2	50	69	39	1
V155.103	ER20	UM/ER20	MK3	50	86	39	1
V155.202	ER25	UM/ER25	MK2	57	69	41	1
V155.203	ER25	UM/ER25	MK3	57	86	41	1
V155.303	ER32	UM/ER32	MK3	69	86	45	1.5
V155.304	ER32	UM/ER32	MK4	69	109	45	1.5
V155.403	ER40	UM/ER40	MK3	79	86	49	1.5
V155.404	ER40	UM/ER40	MK4	79	109	49	1.5

Austreiberlappen für MK-Futter

Ejector Drifts for MT-Holders

S. Kap. 2.1 - 22

see chapter 2.1 - 22

Pendelhalter, einstellbar mit VDI-Schaft

Adjustable Reamer Holders with VDI-Shank

S. Kap. 4

see chapter 4

**Pendelhalter ER11
 mit Kühlmittelanschluss**

**Reamer Holders ER11
 with Inner Coolant**

- 1 mm Pendelweg in alle Richtungen
- Sehr schmal gebaut
- Exakt paralleles Pendeln
- Selbstzentrierend
- Kein Abkippen möglich
- Incl. Standardmutter ER11M

- 1 mm float in all directions
- Compact dimensions
- Self-centring
- Non tilting possible
- Incl. standard nut ER11M

Für STAR-Maschinen: SR16/20: PH1116SRAK1
 For STAR-machines SR20R: PH1122SRAK1
 (Rückseitenbearbeitung) SR32: PH1122SRAK1
 (back working)

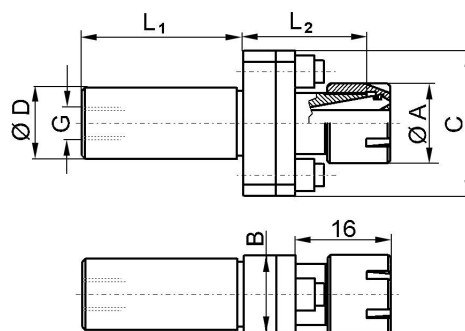


Ausführung IK



Ausführung AK

Bestell-Nr. order-no.	D	C	B	L ₁	L ₂	G
PH111032	10	45	24	32	32	*
PH111040	10	45	24	40	32	*
PH111232	12	45	24	32	32	*
PH111240	12	45	24	40	32	*
PH111620	16	45	24	20	32	*
PH11V20 #	20	45	24	40	50	#
PH111445IK	14	45	24	45	32	G1/8"
PH111650IK	16	45	24	50	32	G1/8"
PH111680IK	16	45	24	80	32	G1/8"
PH111950IK	3/4"	45	24	50	32	G1/8"
PH111970IK	3/4"	45	24	70	32	G1/8"
PH1119120IK	3/4"	45	24	120	32	G1/8"
PH112050IK	20	45	24	50	32	G1/8"
PH112070IK	20	45	24	70	32	G1/8"
PH112250IK	22	45	24	50	32	G1/8"
PH112270IK	22	45	24	70	32	G1/8"
PH1122120IK	22	45	24	120	32	G1/8"
PH112550IK	25	45	24	50	32	G1/8"
PH112570IK	25	45	24	70	32	G1/8"
PH1125140IK	25	45	24	140	32	G1/8"
PH112650IK	1"	45	24	50	32	G1/8"
PH112670IK	1"	45	24	70	32	G1/8"
PH112870IK	28	45	24	70	32	G1/8"
PH111032AK1	10	45	24	32	40	G1/8"
PH111232AK1	12	45	24	32	40	G1/8"
PH111650AK1	16	45	24	50	40	G1/8"
PH112050AK1	20	45	24	50	37	G1/8"
PH112225AK1	22	45	24	25	37	G1/8"
PH112250AK1	22	45	24	50	37	G1/8"
PH112550AK1	25	45	24	50	42	G1/8"
PH112570AK1	25	45	24	70	42	G1/8"
PH1125140AK1	25	45	24	140	37	G1/8"
PH1116SRAK1	16	45	24	25	37	G1/8"
PH1122SRAK1	22	45	24	25	37	G1/8"
PH1122SRAK1	22	45	24	25	37	G1/8"



* ohne Kühlmittelanschluss
 # Halter mit VDI-Schaft

* without inner coolant
 # Reamer holder with VDI-shank

Pendelhalter ER16 mit Kühlmittelanschluss

Reamer Holders ER16 with Inner Coolant

- 1 mm Pendelweg in alle Richtungen
- Sehr schmal gebaut
- Exakt paralleles Pendeln
- Selbstzentrierend
- Kein Abkippen möglich
- Incl. Standardmutter ER16M

- 1 mm float in all directions
- Compact dimensions
- Self-centreing
- Non tilting possible
- Incl. standard nut ER16M

Für STAR-Maschinen: SR16/20: PH1616SRAK1
 For STAR-machines SR20R: PH1622SRRAK1
 (Rückseitenbearbeitung) SR32: PH1622SRAK1
 (back working)

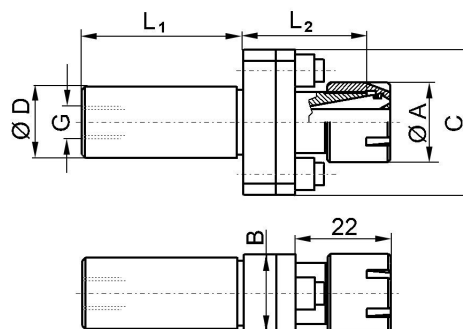


Ausführung IK



Ausführung AK

Bestell-Nr. order-no.	D	B	C	L ₁	L ₂	G
PH161032	10	45	24	32	32	*
PH161040	10	45	24	40	32	*
PH161232	12	45	24	32	32	*
PH161240	12	45	24	40	32	*
PH161620	16	45	24	20	32	*
PH16V20 #	20	45	24	40	50	#
PH161445IK	14	45	24	45	32	G1/8"
PH161650IK	16	45	24	50	32	G1/8"
PH161680IK	16	45	24	80	32	G1/8"
PH161950IK	3/4"	45	24	50	32	G1/8"
PH161970IK	3/4"	45	24	70	32	G1/8"
PH1619120IK	3/4"	45	24	120	32	G1/8"
PH162050IK	20	45	24	50	32	G1/8"
PH162070IK	20	45	24	70	32	G1/8"
PH162250IK	22	45	24	50	32	G1/8"
PH162270IK	22	45	24	70	32	G1/8"
PH1622120IK	22	45	24	120	32	G1/8"
PH162550IK	25	45	24	50	32	G1/8"
PH162570IK	25	45	24	70	32	G1/8"
PH1625140IK	25	45	24	140	32	G1/8"
PH162650IK	1"	45	24	50	32	G1/8"
PH162670IK	1"	45	24	70	32	G1/8"
PH162870IK	28	45	24	70	32	G1/8"
PH161032AK1	10	45	24	32	40	G1/8"
PH161232AK1	12	45	24	32	40	G1/8"
PH161650AK1	16	45	24	50	40	G1/8"
PH162050AK1	20	45	24	50	37	G1/8"
PH162225AK1	22	45	24	25	37	G1/8"
PH162250AK1	22	45	24	50	37	G1/8"
PH162550AK1	25	45	24	50	42	G1/8"
PH162570AK1	25	45	24	70	42	G1/8"
PH1625140AK1	25	45	24	140	37	G1/8"
PH1616SRAK1	16	45	24	25	37	G1/8"
PH1622SRAK1	22	45	24	25	37	G1/8"
PH1622SRRAK1	22	45	24	25	37	G1/8"



* ohne Kühlmittelanschluss
 # Halter mit VDI-Schaft

* without inner coolant
 # Reamer holder with VDI-shank

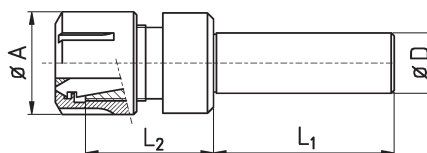
Pendelhalter Typ EPM11

Reamer Holders Type EPM11

- 0,5 mm Pendelweg in alle Richtungen
- Mit extrem kleinen Baumaßen (z.B. für CNC Langdreher)
- Ideal für Reibahlen von 1 mm - 7 mm (nicht einstellbar)
- Incl. Standardmutter ER11M

- 0,5 mm float in all directions
- Very small dimensions (e.g. for CNC lathes)
- Perfect for reamers 1 mm - 7 mm (not adjustable)
- Incl. standard nut ER11M

Für STAR-Maschinen: SR16/20: EPM1116SR
 for STAR-machines SR20R: EPM1122SRR
 (Rückseitenbearbeitung) SR32: EPM1122SR
 (back working)



Bestell-Nr. order-no.	D	L ₁	L ₂	Bereich range	mit Bund with stop collar
EPM111620BU	16	20	28	1 - 6	X
EPM111670	16	70	16	1 - 7	
EPM111670LBU	16	70	21	1 - 7	X
EPM111670XLBU	16	70	26	1 - 7	X
EPM111940FLBU	3/4"	40	28	1 - 8	X
EPM111950FL	3/4"	50	16	1 - 8	
EPM111970FL	3/4"	70	16	1 - 8	
EPM1119120FL	3/4"	120	16	1 - 8	
EPM1119120FLXLBU	3/4"	120	28	1 - 8	X
EPM112050	20	50	16	1 - 8	
EPM112050FL	20	50	16	1 - 8	
EPM112070FL	20	70	16	1 - 8	
EPM1120120FLBU	20	120	28	1 - 8	X
EPM112250FL	22	50	16	1 - 8	
EPM112270FL	22	70	16	1 - 8	
EPM112270FLBU	22	70	28	1 - 8	X
EPM112538WD	25	38	16	1 - 8	
EPM112550WD	25	46	16	1 - 8	
EPM112580WD	25	80	16	1 - 8	
EPM1125120FLBU	25	120	31	1 - 8	X
EPM112638WDBU	1"	38	28	1 - 8	X
EPM112680FL	1"	80	16	1 - 8	
EPM1116SR	16	25	37	1 - 8	X
EPM1122SR	22	25	27	1 - 8	X
EPM1122SRR	22	25	27	1 - 8	X

Schlüssel - spanner: E11M
 Reibahlen bevorzugt in kurzer Ausführung
 (Automatenausführung) wählen
 Use reamers in short dimensions

Pendelhalter Typ EPM16

Reamer Holders Type EPM16

- 0,5 mm Pendelweg in alle Richtungen
- Mit extrem kleinen Baumaßen (z.B. für CNC Langdreher)
- Ideal für Reibahlen von 1 mm - 8 mm (nicht einstellbar)
- Incl. Standardmutter ER16M

- 0,5 mm float in all directions
- Very small dimensions (e.g. for CNC lathes)
- Perfect for reamers 1 mm - 8 mm (not adjustable)
- Incl. standard nut ER16M

Für STAR-Maschinen: SR16/20: EPM1616SR
 For STAR-machines SR20R: EPM1622SRR
 (Rückseitenbearbeitung) SR32: EPM1622SR
 (back working)



Bestell-Nr. order-no.	D	L ₁	L ₂	Bereich range	mit Bund with stop collar
EPM161620BU	16	20	38	1 - 6	X
EPM161670	16	70	26	1 - 7	
EPM161670LBU	16	70	31	1 - 7	X
EPM161670XLBU	16	70	36	1 - 7	X
EPM161940FLBU	3/4"	40	38	1 - 10	X
EPM161950FL	3/4"	50	26	1 - 10	
EPM161970FL	3/4"	70	26	1 - 10	
EPM1619120FL	3/4"	120	26	1 - 10	
EPM1619120FLXL	3/4"	120	26	1 - 10	
EPM162050	20	50	26	1 - 10	
EPM162050FL	20	50	26	1 - 10	
EPM162070FL	20	70	26	1 - 10	
EPM1620120FLBU	20	120	38	1 - 10	X
EPM162250FL	22	50	26	1 - 10	
EPM162270FL	22	70	26	1 - 10	
EPM162270FLBU	22	70	38	1 - 10	X
EPM162538WD	25	40	26	1 - 10	
EPM162550WD	25	46	26	1 - 10	
EPM162580WD	25	80	26	1 - 10	
EPM1625120FLBU	25	120	41	1 - 10	X
EPM162638WDBU	1"	38	38	1 - 10	X
EPM162680FL	1"	80	26	1 - 10	
EPM1616SR	16	25	37	1 - 10	X
EPM1622SR	22	25	37	1 - 10	X
EPM1622SRR	22	25	37	1 - 10	X

Schlüssel - spanner: E11M
 Reibahlen bevorzugt in kurzer Ausführung
 (Automatenausführung) wählen
 Use reamers in short dimensions

Pendelhalter Typ EPU16

Reamer Holders Type EPU16

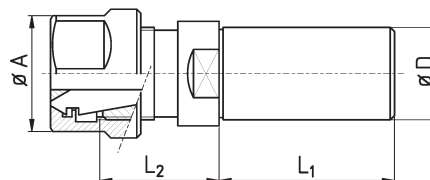
- 0,5 mm Pendelweg in alle Richtungen
- Mit kleinen Baumaßen
- Ideal für Reibahlen von 2 mm - 10 mm (nicht einstellbar)
- Incl. Standardmutter UM/ER16

- 0,5 mm float in all directions
- Small dimensions
- Perfect for reamers 2 mm - 10 mm (not adjustable)
- Incl. standard nut UM/ER16

Für STAR-Maschinen: SR16/20: PH1616SR
 For STAR-machines SR20R: PH1622SRR
 (Rückseitenbearbeitung) SR32: PH1622SR
 (back working)



Bestell-Nr. order-no.	D	L ₁	L ₂	Bereich range	mit Bund with stop collar
EPU161620BU	16	20	38	1 - 6	X
EPU161670	16	70	26	1 - 7	
EPU161670LBU	16	70	31	1 - 7	X
EPU161670XLBU	16	70	36	1 - 7	X
EPU161940FLBU	3/4"	40	38	1 - 8	X
EPU161950FL	3/4"	50	26	1 - 8	
EPU161970FL	3/4"	70	26	1 - 8	
EPU1619120FL	3/4"	120	26	1 - 8	
EPU1619120FLXL	3/4"	120	26	1 - 8	
EPU162050	20	50	26	1 - 8	
EPU162050FL	20	50	26	1 - 8	
EPU162070FL	20	70	26	1 - 8	
EPU1620120FLBU	20	120	38	1 - 8	X
EPU162250FL	22	50	26	1 - 8	
EPU162270FL	22	70	26	1 - 8	
EPU162270FLBU	22	70	38	1 - 8	X
EPU162538WD	25	38	26	1 - 8	
EPU162550WD	25	46	26	1 - 8	
EPU162580WD	25	80	26	1 - 8	
EPU1625120FLBU	25	120	41	1 - 8	X
EPU162638WDBU	1"	38	38	1 - 8	X
EPU162680FL	1"	80	26	1 - 8	
EPU1616SR	22	25	37	1 - 10	X
EPU1622SR	22	25	37	1 - 10	X
EPU1622SRR	22	25	37	1 - 10	X



Schlüssel - spanner: E11M
 Reibahlen bevorzugt in kurzer Ausführung
 (Automatenausführung) wählen
 Use reamers in short dimensions

Pendelhalter Typ EPU25

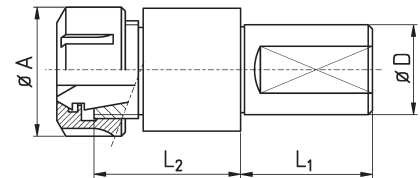
Reamer Holders Type EPU25

- 0,5 mm Pendelweg in alle Richtungen
- Kugelgelagert
- Pendelkraft mit Einstellschlüssel EPM6 verstellbar
- Incl. Standardmutter UM/ER25

- 0,5 mm float in all directions
- Ball bearing guided
- Floating pressure adjustable
- Incl. standard nut UM/ER25

Bestell-Nr. order-no.	D	L ₁	L ₂	Bereich range	mit Bund with stop collar
EPU251640BU	16	40	52	3 - 16	X
EPU251945BU	3/4"	45	52	3 - 16	X
EPU252050FLBU	20	50	52	3 - 16	X
EPU252550WDBU	25	50	52	3 - 16	X
EPU2525120WDBU	25	120	52	3 - 16	X
EPU252650BU	1"	50	52	3 - 16	X
EPU252650WDBU	1"	50	52	3 - 16	X
EPU2526100BU	1"	100	52	3 - 16	X
EPU253155BU	1 1/4"	55	52	3 - 16	X
EPU253265WDBU	32	65	52	3 - 16	X
EPU254085BU	40	85	52	3 - 16	X

Schlüssel - *spanner*: E25



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Einstellschlüssel
Adjusting Spanner

Bestell-Nr.
order-no.
EPM6



Inside Broaching Heads



Innen-Räumhalter

7.1

Wobble Broaches



Räumdorne

7.2

External Broaching Heads



Außen-Räumhalter

7.3

*Spare Parts for
Broaching Heads*

Ersatzteile für Räumhalter

7.4

Achtung:

Eine genaue Anleitung zum Arbeiten mit Räumhaltern und zum Einstellen, senden wir Ihnen gerne per E-Mail

oder finden Sie unter:

www.britsch-spannzeuge.de

-> Downloads

-> Anleitungen

Caution:

If necessary a detailed instruction to work with broaching heads and to adjust them could be send by E-Mail

or have a look at:

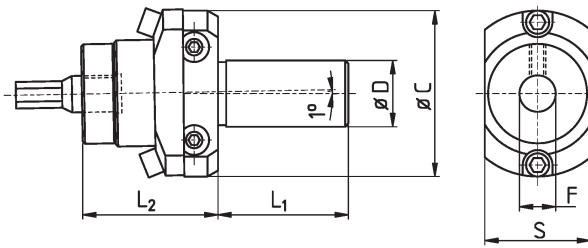
www.britsch-spannzeuge.de

-> Downloads

-> Instructions

Räumhalter, taumelnd, einstellbar

Broaching Heads, Adjustable



Dorn - broach Ø 8mm Länge variabel - length variable						
Bestell-Nr. order-no.	D	L ₂	L ₁	C	F	S
U175.110	10	35	35	50	8	30
U175.112	12	35	35	50	8	30
U175.114	14	35	35	50	8	30
U175.115	5/8"	35	35	50	8	30
U175.116	16	35	40	50	8	30
U175.119	3/4"	35	46	50	8	30
U175.120	20	35	50	50	8	30
U175.120b	20	35	125	50	8	30
U175.120c	20	35	30	50	8	30
U175.122c	22	35	35	50	8	30
U175.122	22	35	80	50	8	30
U175.125	25	35	50	50	8	30
U175.125a	25	35	80	50	8	30
U175.125b	25	35	125	50	8	30
U175.126	1"	35	46	50	8	30
U175.126b	1"	35	80	50	8	30
U175.128	28	35	60	50	8	30
U175.122SRJ	22	37	25	50	8	28
U175.122SRR	22	37	25	50	8	30

Dorn - broach Ø 12 Länge variabel - length variable						
Bestell-Nr. order-no.	D	L ₂	L ₁	C	F	S
U175.216	16	52	50	62	12	40,5
U175.219	3/4"	52	50	62	12	40,5
U175.220	20	51,5	50	62	12	40,5
U175.222	22	52	50	62	12	40,5
U175.222a	22	51,5	70	62	12	40,5
U175.225	25	52	50	62	12	40,5
U175.225b	25	52	125	62	12	40,5
U175.226	1"	52	50	62	12	40,5
U175.226b	1"	52	80	62	12	40,5
U175.230	30	52	50	62	12	40,5
U175.231	1 1/4"	52	50	62	12	40,5
U175.232	32	52	50	62	12	40,5
Mit MK-Aufnahmeschaft with Morse Taper Shank						
U175.202	MK 2	52	-	62	12	40,5
U175.203	MK 3	52	-	62	12	40,5
Für STAR-Maschinen for STAR-machines						
U175.122SRJ					für STAR SR 10 J	
U175.122SRR					für STAR SR 20 R	

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Schlüssel für Räumhalter

Spanners For Broaching Heads

Bestell-Nr. order-no.	für Räumhalter for broaching heads
U175.500H	U175.5..
U175.600H	U175.6..
U175.700H	U175.7..
U175.800H	U175.8..

Räumhalter mit VDI-Schaft

Broaching Heads with VDI-Shank

S. Kap. 4

see chapter 4

7.1 - 2

Innen-Räumhalter

Inside Broaching Heads

7

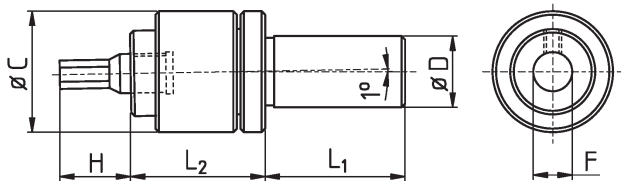
Räumhalter, Räumdorne

Broaching Heads, Wobble Broaches



Räumhalter, taumelnd, fest

Broaching Heads, Fixed



Dorn - broach: Ø 12 x 40mm						
Bestell-Nr. order-no.	D	L ₂	L ₁	C	F	H
U175.702	-	46	69	44	12	25
U175.716	16	46	50	44	12	25
U175.719	3/4"	46	50	44	12	25
U175.720	20	46	50	43,5	12	25
U175.722	22	46	50	44	12	25
U175.725	25	46	50	44	12	25
U175.725FL	25	46	50	44	12	25
U175.726	1"	46	50	44	12	25
U175.732	32	46	50	44	12	25

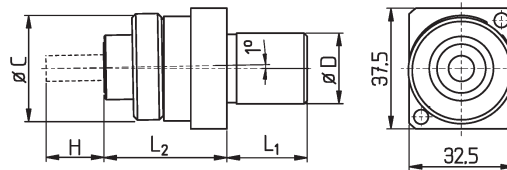
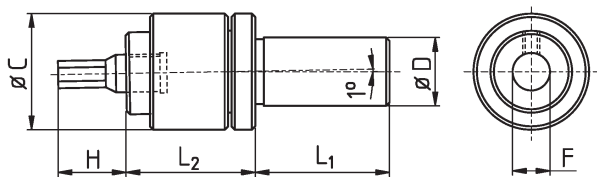
Dorn - broach: Ø 16 x 60mm						
Bestell-Nr. order-no.	D	L ₂	L ₁	C	F	H
U175.820	20	76	50	58	16	40
U175.825	25	76	50	58	16	40
U175.826	1"	76	50	58	16	40
U175.830	30	76	50	58	16	40
U175.831	1 1/4"	76	50	58	16	40
U175.832	32	76	50	58	16	40
U175.835	35	76	50	58	16	40
U175.840	40	77	80	58	16	40

Mit MK-Aufnahmeschaft with Morse Taper Shank						
Bestell-Nr. order-no.	Shank	L ₂	L ₁	C	F	H
U175.803	MK3	76	85	58	16	40
U175.804	MK4	76	109	58	16	40

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Räumhalter, taumelnd, fest

Broaching Heads, Fixed



U175.622 SW

Dorn - broach: Ø 8 x 28mm (PCM)						
Bestell-Nr. order-no.	D	L ₂	L ₁	C	F	H
U175.602	-	38	69	32	8	18
U175.610	10	38	35	32	8	18
U175.612	12	38	35	32	8	18
U175.614	14	38	35	32	8	18
U175.616	16	38	35	33	8	18
U175.619	3/4"	38	50	33	8	18
U175.620	20	38	50	33	8	18
U175.622	22	38	50	33	8	18
U175.622 SW*	22	38	25	32	8	18
U175.625	25	38	50	33	8	18
U175.626	1"	38	50	33	8	18

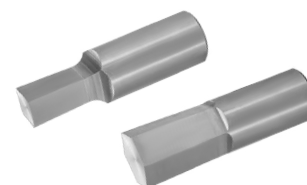
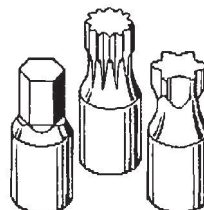
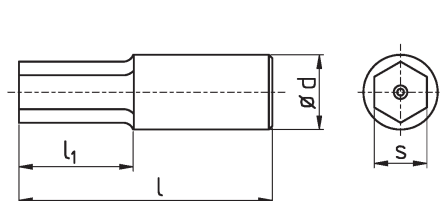
Dorn - broach: Ø 5 x 17mm						
Bestell-Nr. order-no.	D	L ₂	L ₁	C	F	H
U175.508	8	34	35	22	5	10
U175.510	10	34	35	22	5	10
U175.512	12	34	35	22	5	10
U175.514	14	34	35	22	5	10
U175.515	5/8	34	35	22	5	10
U175.516	16	34	35	22	5	10
U175.519	3/4"	34	46	22	5	10
U175.520	20	34	46	22	5	10
U175.522	22	33,5	67	22	5	10

* Für Star SW20

*For STAR SW20

Räumdorne

Wobble Broaches



S = Sechskant - *hexagonal* V = Vierkant - *square* T = Torx K = Kernbohrung (Idealmaß) - *core drilling*
 Weitere Formen und Maße auf Anfrage - *Other shapes and sizes available on request*

Bestell-Nr. order-nr.	d	l	l ₁	K	S / V / T
V805.015S	5	20	5,5	1,53	S1,5
V805.020S	5	20	5,5	2,03	S2
V805.0238S	5	20	5,5	2,41	S2,238
V805.025S	5	20	5,5	2,53	S2,5
V805.030S	5	20	5,5	3,05	S3
V805.035S	5	20	5,5	3,55	S3,5
V805.040S	5	20	5,5	4,05	S4
V805.050S	5	20	5,5	5,08	S5
V805.060S	5	20	5,5	6,10	S6
V808.010S	8	30	3,0	1,02	S1
V808.012S	8	30	3,0	1,23	S1,2
V808.013S	8	30	3,0	1,33	S1,3
V808.015S	8	30	3,4	1,53	S1,5
V808.020S	8	30	5,4	2,03	S2
V808.025S	8	30	6,0	2,53	S2,5
V808.028S	8	30	6,0	2,83	S2,8
V808.030S	8	30	7,0	3,05	S3
V808.0317S	8	30	7,0	3,25	S3,175
V808.035S	8	30	7,3	3,55	S3,5
V808.040S	8	30	9,0	4,05	S4
V808.045S	8	30	9,0	4,55	S4,5
V808.0476S	8	30	9,0	4,80	S4,76
V808.050S	8	30	10,0	5,10	S5
V808.055S	8	30	10,0	5,60	S5,5
V808.060S	8	30	11,0	6,10	S6
V808.0635S	8	30	11,0	6,45	S6,35
V808.070S	8	30	11,0	7,10	S7
V808.080S	8	30	13,0	8,10	S8

Bestell-Nr. order-nr.	d	l	l ₁	K	S / V / T
V808.090S	8	30	13,0	9,1	S9
V808.0952S	8	30	13,0	9,62	S9,52
V808.100S	8	30	15,0	10,15	S10
V808.06T	8	30	5,0	1,3	T6
V808.07T	8	30	5,0		T7
V808.08T	8	30	5,0	1,77	T8
V808.09T	8	30	5,0		T9
V808.10T	8	30	5,0	2,07	T10
V808.15T	8	30	5,0	2,44	T15
V808.20T	8	30	5,0		T20
V808.25T	8	30	5,0		T25
V808.30T	8	30	5,0		T30
V808.40T	8	30	5,0		T40
V808.45T	8	30	5,0		T45
V828.015S	8	28	3,1	1,53	S1,5
V828.020S	8	28	5,4	2,03	S2
V828.025S	8	28	5,8	2,53	S2,5
V828.030S	8	28	7,0	3,05	S3
V828.035S	8	28	7,3	3,55	S3,5
V828.040S	8	28	7,6	4,05	S4
V828.050S	8	28	9,1	5,08	S5
V828.060S	8	28	10,0	6,1	S6
V828.080S	8	28	12,5	8,1	S8
V828.100S	8	28	12,5	10,15	S10
V828.120S	8	28	12,5	12,15	S12
V828.07T	8	28	5,0		T7
V828.20T	8	28	5,0		T20

Alle Räumdorne auch TIN / ALTIN beschichtet lieferbar, auch lieferbar in ASP oder HM
All broaches available TIN / ALTIN coated, also available in ASP or HM

Viele weitere Größen, Sondergrößen und -Formen auf Anfrage lieferbar
many special sizes and shapes available on request

7.2 - 2

Räumdorner Wobble Broaches

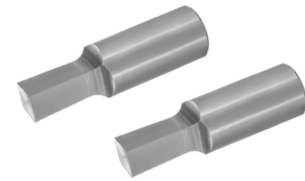
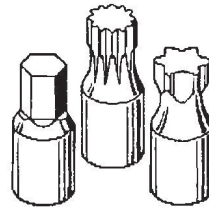
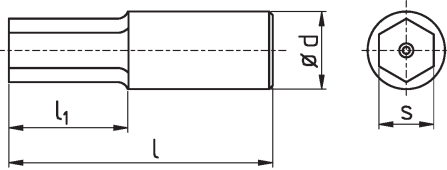
7

Räumhalter, Räumdorner Broaching Heads, Wobble Broaches

BRITSCH
Spannzeuge GmbH

Räumdorner

Wobble Broaches



S = Sechskant - *hexagonal* V = Vierkant - *square* T = Torx K = Kernbohrung (Idealmaß) - *core drilling*
Weitere Formen und Maße auf Anfrage - *Other shapes and sizes available on request*

Bestell-Nr. order-no.	d	l	l ₁	K	S / V / T
V812.015S	12	40	4,5	1,53	S1,5
V812.020S	12	40	6,0	2,03	S2
V812.025S	12	40	6,5	2,53	S2,5
V812.030S	12	40	7,0	3,05	S3
V812.0317S	12	40	7,0	3,25	S3,17
V812.035S	12	40	7,0	3,55	S3,5
V812.040S	12	40	9,0	4,05	S4
V812.0476S	12	40	10,0	4,8	S4,76
V812.050S	12	40	12,0	5,1	S5
V812.055S	12	40	12,0	5,6	S5,5
V812.060S	12	40	12,0	6,1	S6
V812.635S	12	40	12,0	6,45	S6,35
V812.070S	12	40	12,5	7,1	S7
V812.0793S	12	40	12,5	8,03	S7,93
V812.080S	12	40	13,0	8,1	S8
V812.090S	12	40	14,5	9,1	S9
V812.095S	12	40	14,5	9,6	S9,5
V812.0952S	12	40	14,5	9,62	S9,52
V812.100S	12	40	16,0	10,15	S10
V812.110S	12	40	18,0	11,15	S11
V812.120S	12	40	19,0	12,15	S12
V812.127S	12	40	19,0	12,85	S12,7
V812.130S	12	40	19,0	13,2	S13
V812.140S	12	40	19,0	14,2	S14
V812.150S	12	40	19,0	15,2	S15
V812.170S	12	40	19,0	17,2	S17
V812.190S	12	40	19,0	19,2	S19
V812.200S	12	40	19,0	20,3	S20
V812.220S	12	40	19,0	22,3	S22

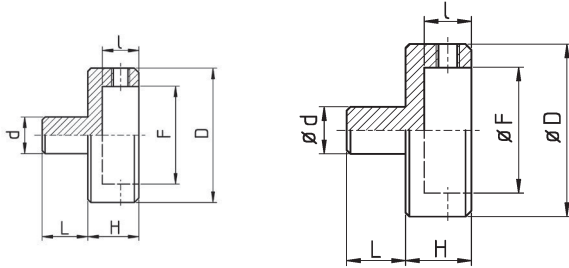
Bestell-Nr. order-no.	d	l	l ₁	K	S / V / T
V812.270S	12	40	19,0	27,3	S27
V812.320S	12	40	19,0	32,5	S32
V812.06T	12	40	8	1,3	T6
V812.07T	12	40	8		T7
V812.08T	12	40	8	1,77	T8
V812.09T	12	40	8		T9
V812.10T	12	40	8	2,07	T10
V812.15T	12	40	8	2,44	T15
V812.20T	12	40	8	2,86	T20
V812.25T	12	40	8	3,28	T25
V812.30T	12	40	8	4,07	T30
V812.40T	12	40	8		T40
V812.45T	12	40	8	5,68	T45
V812.50T	12	40	8	6,5	T50
V812.55T	12	40	8	8,1	T55
V812.60T	12	40	8	9,57	T60
V855.025S	12	55	5,8	2,53	S2,5
V855.030S	12	55	6,0	3,05	S3
V855.040S	12	55	8,3	4,05	S4
V855.050S	12	55	10,5	5,1	S5
V855.060S	12	55	11,1	6,1	S6
V855.070S	12	55	12,7	7,1	S7
V855.080S	12	55	12,8	8,1	S8
V855.100S	12	55	15,8	10,15	S10
V855.120S	12	55	17,0	12,15	S12
V855.130S	12	55	17,0	13,2	S13
V855.140S	12	55	16,5	14,2	S14

Alle Räumdorner auch TIN / ALTIN beschichtet lieferbar, auch lieferbar in ASP oder HM
All broaches available TIN / ALTIN coated, also available in ASP or HM
Achtung S19 und größer - keine Gewährleistung!
Nur geeignet für leicht zerspanbare Materialien, große Vorbohrungen oder bei Einsatz mit Pressen
Attention S19 and larger - no warranty!
Only suitable for materials easy to cut, large pilot holes or use with presses

Viele weitere Größen, Sondergrößen und -Formen auf Anfrage lieferbar
many special sizes and shapes available on request

Einsätze zur Außenbearbeitung
zu U175.2... und U175.7...

External Broach Adapter
for Adapting U175.2... and U175.7...



Bestell-Nr. order-no.	d	L	H	I	F	D
U175.790	12	15	17	12	32	44
U175.890	16	19	32	12	32	44

Räumhalter für Außenbearbeitung

External Broaching Head

Speziell für Außenverzahnung / Kerbverzahnungen

Especially for external serration



Bild 1

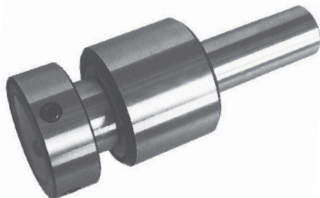
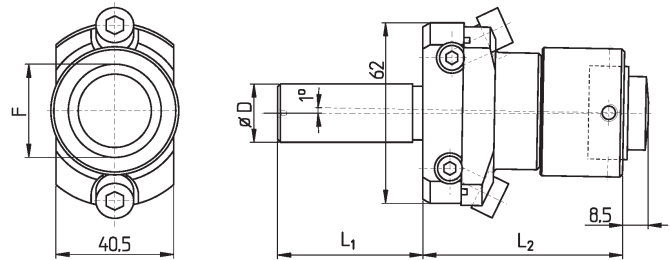
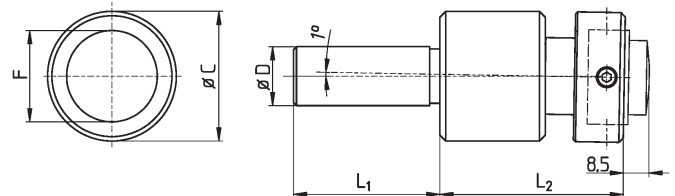


Bild 2



U175.A2: Einstellbar - adjustable (Bild 1)

Bestell-Nr. order-no.	D	L ₁	L ₂	C	F
U175.A216	16	50	69	62	32
U175.A219	3/4"	50	69	62	32
U175.A220	20	50	69	62	32
U175.A222	22	50	69	62	32
U175.A222a	22	70	69	62	32
U175.A225	25	50	69	62	32
U175.A225b	25	125	69	62	32
U175.A226	1"	50	69	62	32
U175.A230	30	50	69	62	32
U175.A231	1 1/4"	50	69	62	32
U175.A232	32	50	69	62	32

U175.A7: Fest - fixed (Bild 2)

Bestell-Nr. order-no.	D	L ₁	L ₂	C	F
U175.A716	16	50	55	44	32
U175.A719	3/4"	50	55	44	32
U175.A720	20	50	55	44	32
U175.A722	22	50	55	44	32
U175.A725	25	50	55	44	32
U175.A726	1"	50	55	44	32

7.3 - 2

Außen-Räumhalter External Broaching Heads

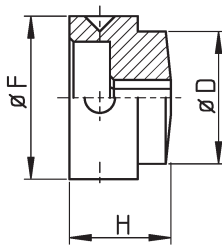
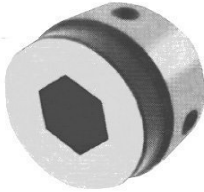
7

Räumhalter, Räumdorne Broaching Heads, Wobble Broaches

BRITSCH
Spannzeuge GmbH

Schneideisen
für Außenbearbeitung, HSS

Dies
for External Broaching, HSS

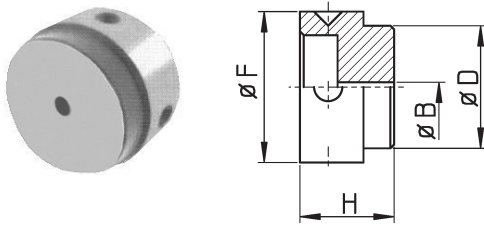


6-kt. / hex.	Schneideisen für dies for U175.A2 / A7			
Bestell-Nr. order-no.	F	D	H	6-kt.
U806.003	32	25,3	20,5	3
U806.004	32	25,3	20,5	4
U806.005	32	25,3	20,5	5
U806.006	32	25,3	20,5	6
U806.007	32	25,3	20,5	7
U806.008	32	25,3	20,5	8
U806.009	32	25,3	20,5	9
U806.010	32	25,3	20,5	10
U806.011	32	25,3	20,5	11
U806.012	32	25,3	20,5	12
U806.013	32	25,3	20,5	13
U806.014	32	25,3	20,5	14
U806.015	32	25,3	20,5	15
U806.016	32	30	20,5	16
U806.017	32	30	20,5	17
U806.018	32	30	20,5	18
U806.019	32	30	20,5	19
U806.020	32	30	20,5	20

4-kt. / sq.	Schneideisen für dies for U175.A2 / A7			
Bestell-Nr. order-no.	F	D	H	4-kt.
U806.103	32	25,3	20,5	3
U806.104	32	25,3	20,5	4
U806.105	32	25,3	20,5	5
U806.106	32	25,3	20,5	6
U806.107	32	25,3	20,5	7
U806.108	32	25,3	20,5	8
U806.109	32	25,3	20,5	9
U806.110	32	25,3	20,5	10
U806.111	32	25,3	20,5	11
U806.112	32	25,3	20,5	12
U806.113	32	25,3	20,5	13
U806.114	32	30	20,5	14
U806.115	32	30	20,5	15
U806.116	32	30	20,5	16
U806.117	32	30	20,5	17
U806.118	32	30	20,5	18

Schneideisenrohlinge
zur Außenbearbeitung, HSS

Dies Blank
for External Broaching, HSS

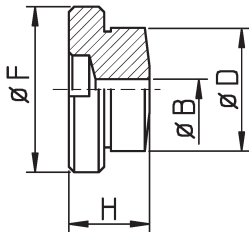


Schneideisenrohlinge für Sonderformen
dies blank for special shapes

Bestell-Nr. order-no.	Startbohrung start bore B	F	D	H	Bereich range
U175.R1B0	--	32	25,3	20,5	4-kt bis Ø 13 6-kt bis Ø 15
U175.R1B3	3	32	25,3	20,5	4-kt bis Ø 13 6-kt bis Ø 15
U175.R2B6	6	32	30	20,5	4-kt bis Ø 18 6-kt bis Ø 20

Schneideisenrohlinge zur Außen-
bearbeitung, Syst. Traub-Index, HSS

Dies Blank for External Broaching
Syst. Traub-Index, HSS



Schneideisenrohlinge für Sonderformen
dies blank for special shapes

Bestell-Nr. order-no.	Startbohrung start bore B	F	D	H	Bereich range
U175.RW17	3	24	18	13	bis Ø 13
U175.RW37	6	40	36	13	bis Ø 30

Räumhalter für Außenbearbeitung
System TRAUB-INDEX

External Broaching Head
System TRAUB-INDEX

Speziell für Außenverzahnung / Kerbverzahnungen

Especially for external serration

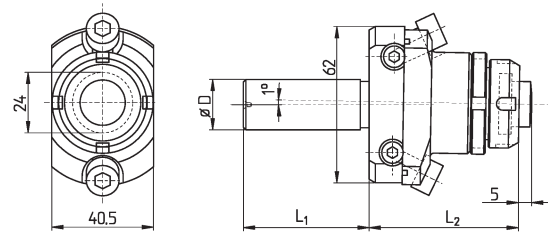


Bild 1

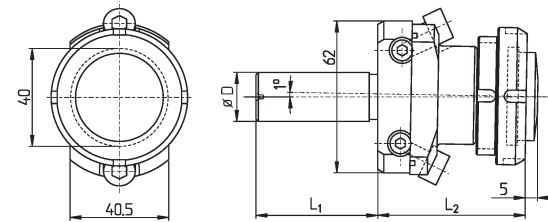
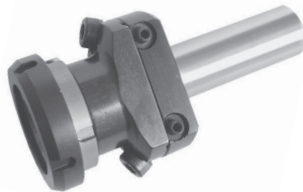


Bild 2

Bild 1 (kurze Ausführung) picture 1 (short version)				Räumtiefe bis broaching length	
Bestell-Nr. order-no.	D	L ₁	L ₂	Ø 13	Ø 8
U175.AKI216	16	50	59	17,6	36,8
U175.AKI219	3/4"	50	59	17,6	36,8
U175.AKI220	20	50	59	17,6	36,8
U175.AKI222	22	70	59	17,6	36,8
U175.AKI225	25	50	59	17,6	36,8
U175.AKI226	1"	50	59	17,6	36,8
U175.AKI230	30	50	59	17,6	36,8
U175.AKI231	1 1/4"	50	59	17,6	36,8
U175.AKI232	32	50	59	17,6	36,8

Bild 1 (lange Ausführung) picture 1 (long version)				Räumtiefe bis broaching length	
Bestell-Nr. order-no.	D	L ₁	L ₂	Ø 13	Ø 8
U175.AKI216L	16	50	72	29,6	48,8
U175.AKI219L	3/4"	50	72	29,6	48,8
U175.AKI220L	20	50	72	29,6	48,8
U175.AKI222L	22	70	72	29,6	48,8
U175.AKI225L	25	50	72	29,6	48,8
U175.AKI226L	1"	50	72	29,6	48,8
U175.AKI230L	30	50	72	29,6	48,8
U175.AKI231L	1 1/4"	50	72	29,6	48,8
U175.AKI232L	32	50	72	29,6	48,8

Bild 2 (kurze Ausführung) picture 2 (short version)				Räumtiefe bis broaching length	
Bestell-Nr. order-no.	D	L ₁	L ₂	Ø 30	Ø 8
U175.AGI216	16	50	60	20	38,2
U175.AGI219	3/4"	50	60	20	38,2
U175.AGI220	20	50	60	20	38,2
U175.AGI225	25	50	60	20	38,2
U175.AGI226	1"	50	60	20	38,2
U175.AGI222	22	70	60	20	38,2
U175.AGI230	30	50	60	20	38,2
U175.AGI231	1 1/4"	50	60	20	38,2
U175.AGI232	32	50	60	20	38,2

Bild 2 (lange Ausführung) picture 2 (long version)				Räumtiefe bis broaching length		
Bestell-Nr. order-no.	D	L ₁	L ₂	Ø 30	Ø 16	Ø 8
U175.AGI216L	16	50	73	20	32	50,2
U175.AGI219L	3/4"	50	73	20	32	50,2
U175.AGI220L	20	50	73	20	32	50,2
U175.AGI222L	22	70	73	20	32	50,2
U175.AGI225L	25	50	73	20	32	50,2
U175.AGI226L	1"	50	73	20	32	50,2
U175.AGI230L	30	50	73	20	32	50,2
U175.AGI231L	1 1/4"	50	73	20	32	50,2
U175.AGI232L	32	50	73	20	32	50,2

Schneideisenrohlinge s. S. 3

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Ersatzteilliste für Räumhalter

Spare Parts for Broaching Heads

Bestell-Nr. order-no.	Bezeichnung - title	
Für Räumhalter, taumelnd einstellbar (Aufnahme Ø 8)		
		broaching heads adjustable Ø 8
-U175.1K	Satz Kugellager	set of ball bearings
-U175.1A	Spindel zur Aufnahme der Räumdorne	spindle for the broaches
-U175.1V	Satz Schrauben (4 Stück)	set of screws (4pcs)
-U175.1S12	Schaftteil Ø 12 mm	shank part Ø 12 mm
-U175.1S14	Schaftteil Ø 14 mm	shank part Ø 14 mm
-U175.1S5/8	Schaftteil Ø 5/8"	shank part Ø 5/8"
-U175.1S16	Schaftteil Ø 16 mm	shank part Ø 16 mm
-U175.1S19	Schaftteil Ø 3/4"	shank part Ø 3/4"
-U175.1S20	Schaftteil Ø 20 mm	shank part Ø 20 mm
-U175.1S22	Schaftteil Ø 22 mm	shank part Ø 22 mm
-U175.1S25	Schaftteil Ø 25 mm	shank part Ø 25 mm
-U175.1S26	Schaftteil Ø 1"	shank part Ø 1"
-U175.1G	Gehäuseteil zur Aufnahme der Kugellager	body part to hold the ball bearings
Für Räumhalter, taumelnd, einstellbar (Aufnahme Ø 12)		
		broaching heads adjustable Ø 12
-U175.2K	Satz Kugellager	set of ball bearings
-U175.2A	Spindel zur Aufnahme der Räumdorne	spindle for the broaches
-U175.2V	Satz Schrauben (4 Stück)	set of screws (4pcs)
-U175.2S19	Schaftteil Ø 3/4"	shank part Ø 3/4"
-U175.2S20	Schaftteil Ø 20 mm	shank part Ø 20 mm
-U175.2S22	Schaftteil Ø 22 mm	shank part Ø 22 mm
-U175.2S25	Schaftteil Ø 25 mm	shank part Ø 25 mm
-U175.2S26	Schaftteil Ø 1"	shank part Ø 1"
-U175.2S30	Schaftteil Ø 30 mm	shank part Ø 30 mm
-U175.2S31	Schaftteil Ø 1 1/4"	shank part Ø 1 1/4"
-U175.2S32	Schaftteil Ø 32 mm	shank part Ø 32 mm
-U175.2G	Gehäuseteil zur Aufnahme der Kugellager	body part to hold the ball bearings
Für Räumhalter, taumelnd, fest (Aufnahme Ø 12)		
		broaching heads fixed Ø 12
-U175.7K	Satz Kugellager mit Dichtung	set of ball bearings + gasket
-U175.7A	Welle (Spindel)	spindle
-U175.7M	Verschlussmutter	lock nut
-U175.7KM	Kontermutter	counter nut

Reduction Sleeves



Reduzierhülsen

8.1

Boring Bar Sleeves



Bohrstangenaufnahmen

8.2

Multi Drill Holders



Mehrfachbohrerhalter

8.3

Seite
Page

1 - 5	Reduzierhülsen mit Bund <i>Reduction Sleeves With Flange</i>
6	Reduzierhülsen mit Bund für INDEX <i>Reduction Sleeves With Flange, INDEX</i>
6	Reduzierhülsen mit Bund für MÜGA <i>Reduction Sleeves With Flange, MÜGA</i>
6	Reduzierhülsen mit Bund für MORI SEIKI <i>Reduction Sleeves With Flange, MORI SEIKI</i>
6	Reduzierhülsen mit Bund für MAZAK <i>Reduction Sleeves With Flange, MAZAK</i>
7	Reduzierhülsen ohne Bund <i>Reduction Sleeves</i>
8	Reduzierhülsen, geschlitzt <i>Reduction Sleeves, Slotted</i>
9	Reduzierhülsen mit innerer Kühlmittelzufuhr <i>Reduction Sleeves with inner coolant</i>
10	Reduzierhülsen mit Morsekonus <i>Reduction Sleeves for Morse Taper</i>

Reduzierhülsen mit Bund

Reduction Sleeves With Flange

Bestell-Nr. order-no.	alte Bestell-Nr. old order-no.	D	d	L	L _B	L ₁	B	Bild / Seite picture / page
RB160442	RBST1604	16	4	42	2	31	20	13 / 3
RB160542	RBST1605	16	5	42	2	31	20	13 / 3
RB160642	RBST1606	16	6	42	2	31	20	13 / 3
RB160842	RBST1608	16	8	42	2	31	20	13 / 3
RB161042	RBST1610	16	10	42	2	31	20	13 / 3
RB161242	RBST1612	16	12	42	2	31	20	13 / 3
RB190460	RBST1904	3/4"	4	60	10	--	28	15 / 3
RB190560	RBST1905	3/4"	5	60	10	--	28	15 / 3
RB190660	RBST1906	3/4"	6	60	10	--	28	17 / 4
RB190860	RBST1908	3/4"	8	60	10	--	28	17 / 4
RB191060	RBST1910	3/4"	10	60	10	--	28	18 / 4
RB191260	RBST1912	3/4"	12	60	10	38,5	28	24 / 5
RB191460	RBST1914	3/4"	14	60	8	40	28	24 / 5
RB191660	RBST1916	3/4"	16	60	8	40	28	24 / 5
RB200442	RBL2004	20	4	42	2	--	24	9 / 2
RB200460	RBST2004	20	4	60	10	--	28	17 / 4
RB200542	RBL2005	20	5	42	2	--	24	9 / 2
RB200560	RBST2005	20	5	60	10	--	28	17 / 4
RB205560	RBST20055	20	5,5	60	10	--	28	17 / 4
RB200635	RBK2006	20	6	35,5	2	--	24	1 / 1
RB200642	RBL2006	20	6	42	2	--	24	1 / 1
RB200644	RBSM2006	20	6	46	6	--	26	13 / 3
RB200660	RBST2006	20	6	60	10	--	28	17 / 4
RB200760	RBST2007	20	7	60	10	--	28	17 / 4
RB200834	RBSK2008	20	8	36	6	23,5	26	13 / 3
RB200835	RBK2008	20	8	35,5	2	--	24	1 / 1
RB200842	RBL2008	20	8	42	2	--	24	1 / 1
RB200844	RBSM2008	20	8	46	6	33,5	26	13 / 3
RB200860	RBST2008	20	8	60	10	--	28	17 / 4
RB201034	RBSK2010	20	10	36	6	23,5	26	13 / 3
RB201035	RBK2010	20	10	35,5	2	28	24	13 / 3
RB201042	RBL2010	20	10	42	2	32	24	13 / 3
RB201044	RBSM2010	20	10	46	6	33,5	26	13 / 3
RB201060	RBST2010	20	10	60	10	--	28	15 / 3
RB201234	RBSK2012	20	12	36	6	23,5	26	13 / 3
RB201235	RBK2012	20	12	35,5	2	28	24	13 / 3
RB201242	RBL2012	20	12	42	2	32	24	13 / 3
RB201244	RBSM2012	20	12	46	6	33,5	26	13 / 3
RB201254	RBSL2012	20	12	56	6	43,5	26	13 / 3
RB201260	RBST2012	20	12	60	10	--	28	15 / 3
RB201434	RBSK2014	20	14	36	6	33,5	26	13 / 3
RB201435	RBK2014	20	14	35,5	2	28	24	13 / 3
RB201442	RBL2014	20	14	42	2	32	24	13 / 3
RB201454	RBSL2014	20	14	56	6	43,5	26	13 / 3
RB201460	RBST2014	20	14	60	10	--	28	15 / 3
RB201635	RBK2016	20	16	35,5	2	28	24	13 / 3
RB201642	RBL2016	20	16	42	2	32	24	13 / 3
RB201644	RBSM2016	20	16	46	6	33,5	26	13 / 3
RB201654	RBSL2016	20	16	56	6	43,5	26	13 / 3
RB201660	RBST2016	20	16	60	10	--	28	15 / 3

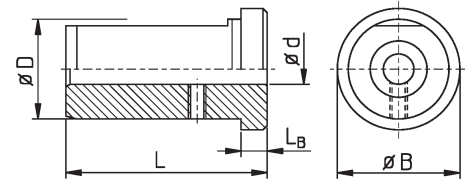


Bild 1

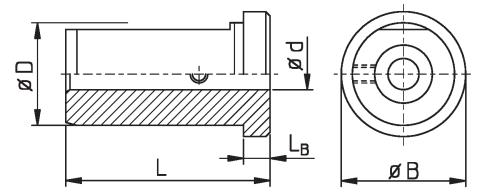


Bild 2

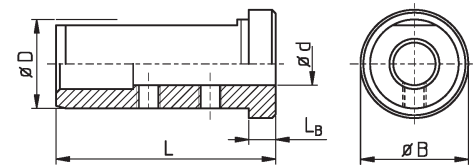


Bild 3

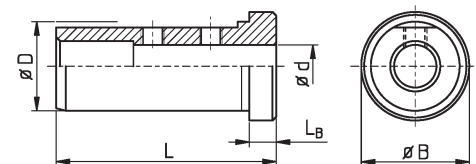


Bild 4

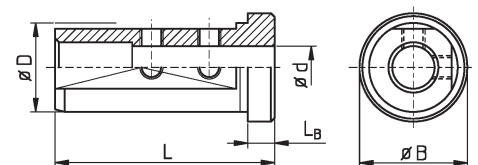


Bild 5

Reduzierhülsen mit Bund

Reduction Sleeves With Flange

Bestell-Nr. order-no.	alte Bestell-Nr. old order-no.	D	d	L	L _B	L ₁	B	Bild / Seite picture / page
RB220465	RBST2204	22	4	65	8	--	28	17 / 3
RB220565	RBST2205	22	5	65	8	--	28	17 / 3
RB220665	RBST2206	22	6	65	8	--	28	17 / 3
RB220865	RBST2208	22	8	65	8	--	28	26 / 5
RB221065	RBST2210	22	10	65	8	--	28	26 / 5
RB221265	RBST2212	22	12	65	8	45	28	24 / 5
RB221465	RBST2214	22	14	65	8	45	28	24 / 5
RB221665	RBST2216	22	16	65	8	45	28	24 / 5
RB250456	RBSL2504	25	4	56	6	42	34	13 / 3
RB250475	RBL2504	25	4	75	10	--	34	12 / 3
RB250575	RBL2505	25	5	75	10	--	34	12 / 3
RB250650	RBK2506	25	6	50	4	--	29	4 / 1
RB250660.1	U243.2506	25	6	60	6	--	31	19 / 4
RB250660.2	RBST2506	25	6	60	6	--	31	10 / 2
RB250660.3	RBA2506	25	6	60	6	--	34	1 / 1
RB250660.4	RBB2506	25	6	60	6	--	34	3 / 1
RB250675	RBL2506	25	6	75	10	--	34	12 / 3
RB250850	RBK2508	25	8	50	4	--	29	4 / 1
RB250856	RBSL2508	25	8	56	6	40	31	13 / 3
RB250857	RBA2508	25	8	57	2	--	29	2 / 1
RB250860.1	U243.2508	25	8	60	6	--	31	19 / 4
RB250860.2	RBST2508	25	8	60	6	--	31	10 / 2
RB250860.3	RBB2508	25	8	60	6	--	34	3 / 1
RB250870	RBL2508	25	8	75	10	--	34	12 / 3
RB259575	RBL2513	25	3/8"	75	10	--	34	3 / 1
RB251050	RBK2510	25	10	50	4	--	29	4 / 1
RB251056	RBSL2510	25	10	56	6	40	31	13 / 3
RB251057	RBA2510	25	10	57	2	--	29	2 / 1
RB251060.1	U243.2510	25	10	60	6	--	31	19 / 4
RB251060.2	RBST2510	25	10	60	6	--	31	10 / 2
RB251060.3	RBB2510	25	10	60	6	--	34	3 / 1
RB251075	RBL2510	25	10	75	10	--	34	12 / 3
RB251150	RBK2511	25	11	50	4	--	29	4 / 1
RB251250	RBK2512	25	12	50	4	--	29	4 / 1
RB251256	RBSL2512	25	12	56	6	40	31	13 / 3
RB251257	RBA2512	25	12	57	2	--	29	2 / 1
RB251260.1	U243.2512	25	12	60	6	--	31	19 / 4
RB251260.2	RBST2512	25	12	60	6	--	31	10 / 2
RB251260.3	RBB2512	25	12	60	6	--	34	3 / 1
RB251275	RBL2512	25	12	75	10	--	34	3 / 1
RB251375	RBL2513	25	1/2"	75	10	--	34	3 / 1
RB251450	RBK2514	25	14	50	4	40	29	13 / 3
RB251456	RBSL2514	25	14	56	6	40	31	13 / 3
RB251460	U243.2514	25	14	60	6	--	31	19 / 4
RB251467	RBST2514	25	14	65	10	47,5	31	25 / 5
RB251475	RBL2514	25	14	75	10	58	34	25 / 5
RB251550	RBK2515	25	15	50	4	40	29	13 / 3
RB251575	RBL2515	25	15	75	10	58	34	25 / 5
RB251650	RBK2516	25	16	50	4	40	29	13 / 3
RB251656	RBSL2516	25	16	56	6	40	31	13 / 3
RB251657	RBA2516	25	16	57	2	18	29	13 / 3
RB251660	U243.2516	25	16	60	6	--	31	19 / 4
RB251667	RBST2516	25	16	65	10	47,5	31	25 / 5
RB251675	RBL2516	25	16	75	10	58	34	25 / 5

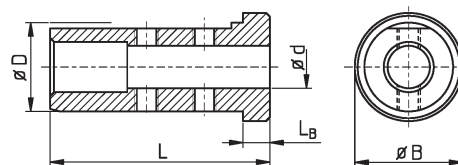


Bild 6

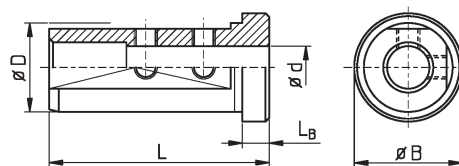


Bild 7

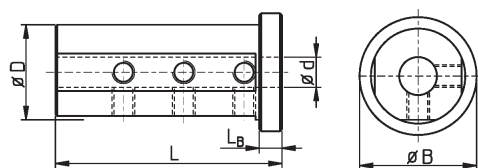


Bild 8

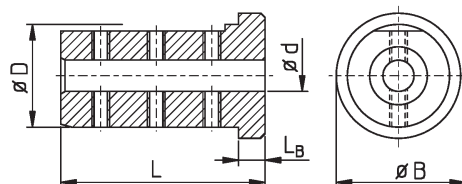


Bild 9

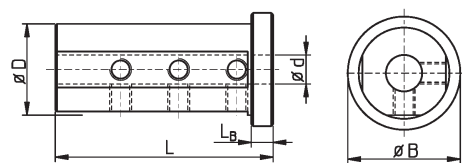


Bild 10

Reduzierhülsen mit Bund

Reduction Sleeves With Flange

Bestell-Nr. order-no.	alte Bestell-Nr. old order-no.	D	d	L	L _B	L ₁	B	Bild / Seite picture / page
RB251850	RBK2518	25	18	50	4	40	29	13 / 3
RB251856	RBSL2518	25	18	56	6	40	31	13 / 3
RB251867	RBST2518	25	18	65	10	47,5	31	25 / 5
RB251875	RBL2518	25	18	75	10	58	34	25 / 5
RB251950	RBK2519	25	3/4"	50	4	40	29	13 / 3
RB251975	RBL2519	25	3/4"	75	10	58	34	25 / 5
RB252050	RBK2520	25	20	50	3	40	29	13 / 3
RB252056	RBL2520	25	20	56	6	58	31	25 / 5
RB252057	RBA2520	25	20	57	6	40	29	13 / 3
RB252060	U243.2520	25	20	60	6	--	31	19 / 4
RB252067	RBST2520	25	20	65	10	47,5	31	25 / 5
RB252075	RBL2520	25	20	75	2	57	34	25 / 5
RB260470	RBST2604	1"	4	70	5	--	32	7 / 2
RB260570	RBST2605	1"	5	70	5	--	32	7 / 2
RB260670	RBST2606	1"	6	70	5	--	32	7 / 2
RB260870	RBST2608	1"	8	70	8	--	32	18 / 4**
RB261070	RBST2610	1"	10	70	8	--	32	27 / 5
RB261270	RBST2612	1"	12	70	8	--	32	27 / 5
RB261470	RBST2614	1"	14	70	5	55	32	27 / 5
RB261670	RBST2616	1"	16	70	8	50	32	25 / 5
RB261870	RBST2618	1"	18	70	8	50	32	24 / 5
RB261970	RBST2619	1"	3/4"	70	8	50	32	24 / 5
RB262070	RBST2620	1"	20	70	8	50	32	24 / 5
RB320575	RBL3205	32	5	75	10	--	39	12 / 3
RB320658	RBM3206	32	6	58	5	--	36	7 / 2
RB320663	RBK3206	32	6	63	5	--	36	4 / 1
RB320670	RBST3206	32	6	70	10	--	39	23 / 5*
RB320675	RBL3206	32	6	75	10	--	39	12 / 3
RB320858	RBM3208	32	8	58	5	--	36	7 / 2
RB320863	RBK3208	32	8	63	5	--	36	4 / 1
RB320868	RBSL3208	32	8	68	6	50	38	13 / 3
RB320870	RBST3208	32	8	70	10	--	39	16 / 4
RB320875	RBL3208	32	8	75	10	--	39	12 / 3
RB329575	RBK3213	32	3/8"	75	10	--	39	3 / 1
RB321045	RBKK3210	32	10	45	7,5	25	39	13 / 3
RB321058	RBM3210	32	10	58	5	--	36	7 / 2
RB321063	RBK3210	32	10	63	5	--	36	4 / 1
RB321068	RBSL3210	32	10	68	6	50	38	13 / 3
RB321070	RBST3210	32	10	70	10	--	39	21 / 5
RB321075	RBL3210	32	10	75	10	--	39	12 / 3
RB321245	RBKK3212	32	12	45	7,5	25	39	13 / 3
RB321258	RBM3212	32	12	58	5	--	36	7 / 2
RB321263	RBK3212	32	12	63	5	--	36	4 / 1
RB321268	RBSL3212	32	12	68	6	50	38	13 / 3
RB321270	RBST3212	32	12	70	10	--	39	21 / 5
RB321275	RBL3212	32	12	75	10	10	39	3 / 1
RB321375	RBL3213	32	1/2"	75	10	10	39	3 / 1

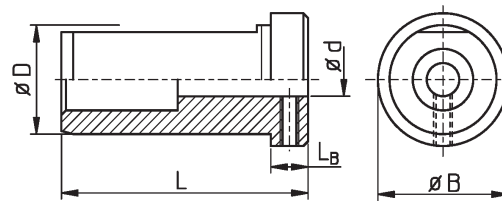


Bild 11

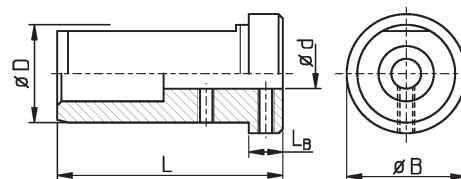


Bild 12

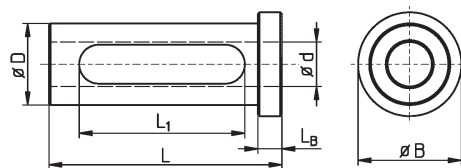


Bild 13

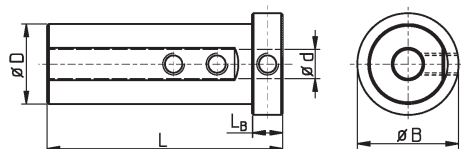


Bild 14

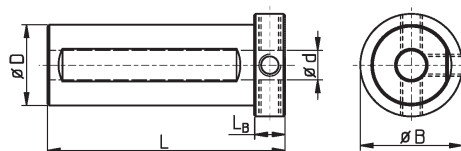


Bild 15

* 2. Fläche, 90° versetzt
 ** Zusätzlich eine Bohrung im Bund

* 2nd flat, rotated 90°
 ** One bore added in the flange

Reduzierhülsen mit Bund

Reduction Sleeves With Flange

Bestell-Nr. order-no.	alte Bestell-Nr. old order-no.	D	d	L	L _B	L ₁	B	Bild / Seite picture / page
RB321458	RBM3214	32	14	58	5	--	36	7 / 2
RB321463	RBK3214	32	14	63	5	--	36	4 / 1
RB321468	RBSL3214	32	14	68	6	50	38	13 / 3
RB321470	RBST3214	32	14	70	10	--	39	21 / 5
RB321475	RBL3214	32	14	75	10	--	39	3 / 1
RB321645	RBKK3216	32	16	45	7,5	25	39	13 / 3
RB321658	RBM3216	32	16	58	5	46	36	13 / 3
RB321663	RBK3216	32	16	63	3	47	36	13 / 3
RB321668	RBSL3216	32	16	68	6	50	38	13 / 3
RB321670	RBST3216	32	16	70	10	--	39	21 / 4
RB321678	RBL3216	32	16	75	10	--	39	3 / 1
RB321683	RBST3216S	32	16	83	4,6	--	38	24 / 5
RB321858	RBM3218	32	18	58	5	46	36	13 / 3
RB321863	RBK3218	32	18	63	3	47	36	13 / 3
RB321868	RBSL3218	32	18	68	6	50	38	13 / 3
RB321870	RBST3218	32	18	70	10	--	39	21 / 5
RB321875	RBL3218	32	18	75	10	58	39	25 / 5
RB321963	RBK3219	32	3/4"	63	3	47	36	13 / 3
RB321975	RBL3219	32	3/4"	75	10	58	39	25 / 5
RB322045	RBKK3220	32	20	45	7,5	25	39	13 / 3
RB322058	RBM3220	32	20	58	5	46	36	13 / 3
RB322063	RBK3220	32	20	63	3	47	36	13 / 3
RB322068	RBSL3220	32	20	68	6	50	38	13 / 3
RB322070	RBST3220	32	20	70	10	--	39	21 / 5
RB322075	RBL3220	32	20	75	10	58	39	25 / 5
RB322083	RBST3220S	32	20	83	4,8	--	38	24 / 5
RB322263	RBK3222	32	22	63	3	47	36	13 / 3
RB322270	RBST3222	32	22	70	10	49	39	22 / 5
RB322275	RBL3222	32	22	75	10	58	39	25 / 5
RB322545	RBKK3225	32	25	45	7,5	25	39	13 / 3
RB322547	RBSM3225	32	25	47	7	40	38	13 / 3
RB322558	RBM3225	32	25	58	5	46	36	13 / 3
RB322563	RBK3225	32	25	63	3	47	36	13 / 3
RB322568	RBSL3225	32	25	68	6	50	38	13 / 3
RB322570	RBST3225	32	25	70	10	49	39	22 / 5
RB322575	RBL3225	32	25	75	10	58	39	25 / 5
RB322583	RBST3225S	32	25	83	5	--	38	24 / 5
RB322668	RBSL3226	32	1"	68	6	50	38	13 / 3
RB322675	RBL3226	32	1"	75	10	58	39	25 / 5
RB400678	RBL4006	40	6	75	10	--	49	12 / 3
RB400689	RBST4006	40	6	89	12	--	49	21 / 5
RB400858	RBK4008	40	8	58	5	--	44	4 / 1
RB400875	RBL4008	40	8	75	10	--	49	12 / 3
RB400889	RBST4008	40	8	95	12	--	49	21 / 5
RB401058	RBK4010	40	10	58	5	--	44	4 / 1
RB401078	RBL4010	40	10	75	10	--	49	12 / 3
RB401089	RBST4010	40	10	89	10	--	49	21 / 5
RB401094	RBST4010L	40	10	94	12	--	49	17 / 4

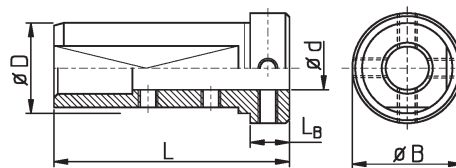


Bild 16

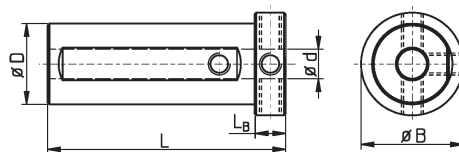


Bild 17

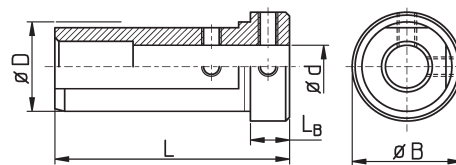


Bild 18

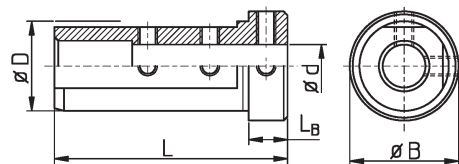


Bild 19

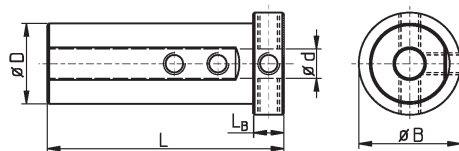


Bild 20

Reduzierhülsen mit Bund

Reduction Sleeves With Flange

Bestell-Nr. order-no.	alte Bestell-Nr. old order-no.	D	d	L	L _B	L ₁	B	Bild / Seite picture / page
RB401258	RBK4012	40	12	58	5,5	--	44	4 / 1
RB401275	RBL4012	40	12	75	10	--	49	3 / 1
RB401289	RBST4012	40	12	89	12	--	49	14 / 3
RB401475	RBL4014	40	14	75	10	--	49	3 / 1
RB401658	RBK4016	40	16	58	5	45	44	13 / 3
RB401668	RBC4016	40	16	68	--	--	50	8 / 2
RB401675	RBL4016	40	16	75	10	--	49	3 / 1
RB401690	RBST4016	40	16	90	12	--	49	14 / 3
RB401868	RBC4018	40	18	68	--	--	50	8 / 2
RB401875	RBL4018	40	18	75	10	--	49	3 / 1
RB401890	RBST4018	40	18	90	12	--	49	14 / 3
RB402058	RBK4020	40	20	58	5	45	44	13 / 3
RB402068	RBC4020	40	20	68	--	--	50	8 / 2
RB402075	RBL4020	40	20	75	10	--	49	3 / 1
RB402094	RBST4020	40	20	94	12	--	49	17 / 4
RB402558	RBK4025	40	25	58	5	45	44	13 / 3
RB402568	RBL4025	40	25	68	10	57	50	25 / 5
RB402575	RBL4025	40	25	75	10	57	49	25 / 5
RB402594	RBST4025	40	25	94	12	72	49	25 / 5
RB402694	RBST4026	40	1"	94	12	72	49	25 / 5
RB403075	RBL4030	40	30	75	3	57	49	25 / 5
RB403094	RBST4030	40	30	94	12	72	49	25 / 5
RB403258	RBK4032	40	32	58	5	45	44	13 / 3
RB403275	RBL4032	40	32	75	10	57	49	25 / 5
RB403294	RBST4032	40	32	89	12	72	49	22 / 5
RB500893	RBL5008	50	8	92,5	10	--	59	12 / 3
RB501093	RBL5010	50	10	92,5	10	--	59	12 / 3
RB501280	RBK5012	50	12	80	5	--	54	4 / 1
RB501293	RBL5012	50	12	92,5	50	--	59	3 / 1
RB501680	RBK5016	50	16	80	5	61	54	13 / 3
RB501693	RBL5016	50	16	92,5	10	--	59	3 / 1
RB502080	RBK5020	50	20	80	5	61	54	13 / 3
RB502093	RBL5020	50	20	92,5	10	--	59	3 / 1
RB502580	RBK5025	50	25	80	5	61	54	13 / 3
RB502593	RBL5025	50	25	92,5	10	--	59	25 / 5
RB503093	RBL5030	50	30	92,5	3	55	59	25 / 5
RB503280	RBK5032	50	32	80	5	61	54	13 / 3
RB503293	RBL5032	50	32	92,5	3	55	59	25 / 5
RB504080	RBK5040	50	40	80	5	61	54	13 / 3
RB504093	RBL5040	50	40	92,5	2	55	59	25 / 5

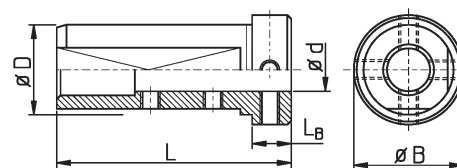


Bild 21

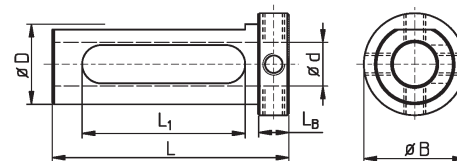


Bild 22

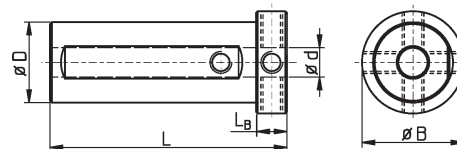


Bild 23

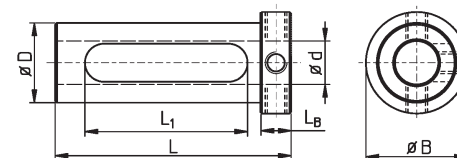


Bild 24

Bild 25 = Bild 24
Nur 1 Bohrung im Bund
One bore only in the flange

Bild 26 = Bild 18
IK (G1/4" axial)
With inner coolant (G1/4" axial)

Bild 27 = Bild 19
Zusätzlich 1 Bohrung im Bund
One bore addet in the flange

8.1 - 6

Reduzierhülsen Reduction Sleeves

8

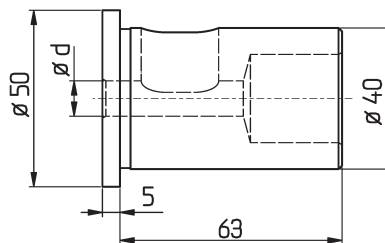
Reduzierhülsen, Bohrstangenaufnahmen Reduction Sleeves, Boring Bar Sleeves

BRITSCH
Spannzeuge GmbH

Reduzierhülsen mit Bund für INDEX

Reduction Sleeves With Flange for INDEX

Bestell-Nr. order-no.	d	Baugleich mit INDEX: identical with INDEX:	
RB220.4006	6	W64 220.4106	
RB220.4008	8	W64 220.4108	
RB220.4010	10	W64 220.4110	
RB220.4012	12	W64 220.4112	
RB220.4015	15	W64 220.4115	
RB220.4016	16	W64 220.4116	*
RB220.4018	18	W64 220.4118	*
RB220.4020	20	W64 220.4120	*
RB220.4025	25	W64 220.4125	*



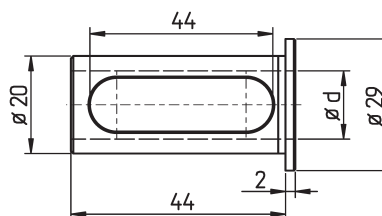
* Verlängertes Langloch - 46 mm

Stretched slot hole - 46 mm

Reduzierhülsen mit Bund für MÜGA-Maschinen

Reduction Sleeves With Flange for MÜGA-Machines

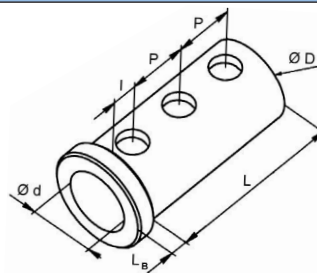
Bestell-Nr. order-no.	d
RBST2010MU	10
RBST2012MU	12
RBST2014MU	14
RBST2016MU	16



Reduzierhülsen mit Bund für MORI-SEIKI

Reduction Sleeves With Flange for MORI-SEIKI

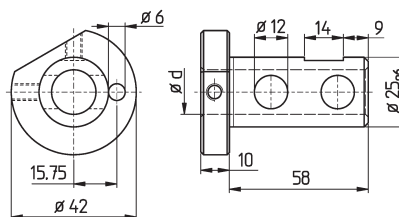
Bestell-Nr. order-no.	D	d	L	L _B	I	P
U248.3216	32	16				
U248.3220	32	20				
U248.3225	32	25				
U248.4020 089	40	20	89	7	10	33
U248.4025 089	40	25	89	7	10	33
U248.4032 089	40	32	89	7	10	33



Reduzierhülsen mit Bund, MAZAK

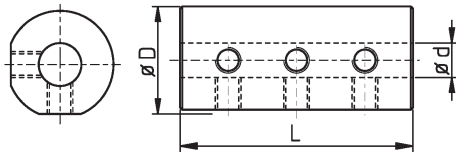
Reduction Sleeves With Flange, MAZAK

Bestell-Nr. order-no.	D	d	L	H
RBMZ2506	25	6	58	10
RBMZ2508	25	8	58	10
RBMZ2510	25	10	58	10
RBMZ2512	25	12	58	10
RBMZ2514	25	14	58	10
RBMZ2516	25	16	58	10
RBMZ2520	25	20	58	10

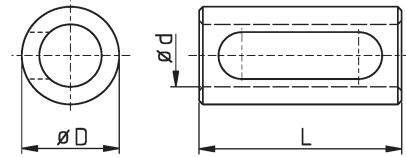


Reduzierhülsen

Reduction Sleeves



Typ 246



Typ 247

Bestell-Nr. order-no.	D	d	L
U246.2506 050	25	6	50
U246.2508 050	25	8	50
U246.2510 050	25	10	50
U246.2512 050	25	12	50
U246.2514 050	25	14	50
U246.2516 050	25	16	50
U246.3108 060	1 1/4"	8	60
U246.3110 060	1 1/4"	10	60
U246.3112 060	1 1/4"	12	60
U246.3114 060	1 1/4"	14	60
U246.3116 060	1 1/4"	16	60
U246.3118 060	1 1/4"	18	60
U246.3120 060	1 1/4"	20	60
U246.3208 060	32	8	60
U246.3210 060	32	10	60
U246.3212 060	32	12	60
U246.3214 060	32	14	60
U246.3216 060	32	16	60
U246.3218 060	32	18	60
U246.3220 060	32	20	60
U246.4008 080	40	8	80
U246.4010 080	40	10	80
U246.4012 080	40	12	80
U246.4016 080	40	16	80

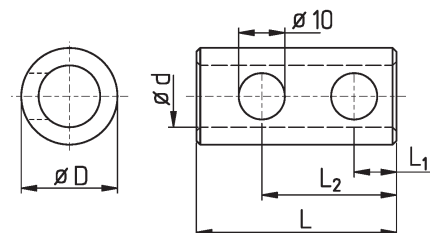
Bestell-Nr. order-no.	D	d	L
U247.2508 050	25	8	50
U247.2510 050	25	10	50
U247.2512 050	25	12	50
U247.2514 050	25	14	50
U247.2516 050	25	16	50
U247.2518 050	25	18	50
U247.2520 050	25	20	50
U247.3108 060	1 1/4"	8	60
U247.3110 060	1 1/4"	10	60
U247.3112 060	1 1/4"	12	60
U247.3114 060	1 1/4"	14	60
U247.3116 060	1 1/4"	16	60
U247.3120 060	1 1/4"	20	60
U247.3125 060	1 1/4"	25	60
U247.3208 060	32	8	60
U247.3210 060	32	10	60
U247.3212 060	32	12	60
U247.3214 060	32	14	60
U247.3216 060	32	16	60
U247.3220 060	32	20	60
U247.3225 060	32	25	60
U247.4020 080	40	20	80
U247.4025.080	40	25	80
U247.4032.080	40	32	80

8

Reduzierhülsen

Reduction Sleeves

Bestell-Nr. order-no.	D	d	L	L ₁	L ₂
U242.3215	32	15	65	17	41
U242.3216	32	16	65	17	41
U242.3225	32	25	65	17	41



8.1 - 8

Reduzierhülsen Reduction Sleeves

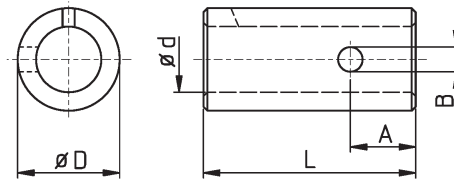
8 Reduzierhülsen, Bohrstangenaufnahmen Reduction Sleeves, Boring Bar Sleeves



Reduzierhülsen, geschlitzt

Reduction Sleeves, Slotted

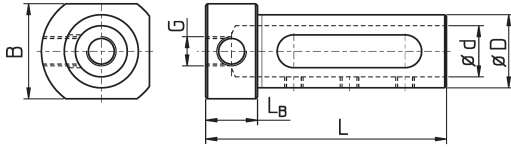
Gehärtet und geschliffen
Hardened and ground



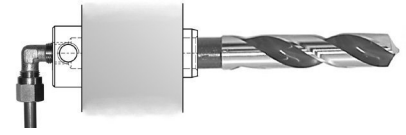
Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	L	D	B	d
U290.50.30	INDEX B42-60-60F/8L C29	W35 200.1905	-	46	1"	-	3/4"
U290.60.40	INDEX B42-60-60F/6L	B35 752	20	48	1 1/4"	4	1"
U290.60.45	INDEX ER42-60-100/6L		20	48	35	4	1"
U242.115				46	3/4"		5/8"
U242.116				46	3/4"		16,0
U242.2210	STAR / TRAUB TNL			50	22		10
U242.2212	STAR / TRAUB TNL			50	22		12
U242.2216	STAR / TRAUB TNL			50	22		16
U242.2219	STAR / TRAUB TNL			50	22		3/4"
U242.2220	STAR / TRAUB TNL			50	22		20
U242.319				46	25		3/4"
U242.320				46	25		20
U242.322				46	25		22
U242.415				46	1"		5/8"
U242.416				46	1"		16
U242.420				46	1"		20
U242.422				46	1"		22
U242.2816	TRAUB TNL		12	45	28	2 x 8,5	16
U242.2819	TRAUB TNL		12	45	28	2 x 8,5	3/4"
U242.2820	TRAUB TNL		12	45	28	2 x 8,5	20
U242.2822	TRAUB TNL		12	45	28	2 x 8,5	22
U242.2825	TRAUB TNL		12	45	28	2 x 8,5	25
U242.522				46	30,0		22
U242.525s				46	30,0		25
U242.526				46	30,0		1"
U242.622				46	1 1/4"		22
U242.625				46	1 1/4"		25
U242.712				46	32		12
U242.716				46	32		16
U242.719				46	32		3/4"
U242.720				46	32		20
U242.722				46	32		22
U242.725				46	32		25
U242.726				46	32		1"
U242.901	INDEX E42 -E60 Ausführung: gerillt			26	37		1"

Reduzierhülsen mit innerer Kühlmittelzufuhr
Anschluss axial und abgewinkelt

Reduction Sleeves with inner coolant inlet axial and radial



Halter wird von hinten eingesetzt
Reduction sleeve inserted from back



Kühlmittelanschluss auch seitlich möglich
Inner coolant inlet also lateral possible

Bestell-Nr. order-no.	D	d	L	L _B	G	B
RBIK1906 *	3/4"	6	65	14	2x G1/8"	25
RBIK1908	3/4"	8	65	14	2x G1/8"	25
RBIK1910	3/4"	10	65	14	2x G1/8"	25
RBIK1912	3/4"	12	65	14	2x G1/8"	25
RBIK1914	3/4"	14	65	14	2x G1/8"	25
RBIK1916	3/4"	16	65	14	2x G1/8"	25
RBIK2008	20	8	65	14	2x G1/8"	25
RBIK2010	20	10	65	14	2x G1/8"	25
RBIK2012	20	12	65	14	2x G1/8"	25
RBIK2014	20	14	65	14	2x G1/8"	25
RBIK2016	20	16	65	14	2x G1/8"	25
RBIK2206 *	22	6	65	14	2x G1/8"	25
RBIK2208	22	8	65	14	2x G1/8"	25
RBIK2210	22	10	65	14	2x G1/8"	25
RBIK2212	22	12	65	14	2x G1/8"	25
RBIK2214	22	14	65	14	2x G1/8"	25
RBIK2216	22	16	65	14	2x G1/8"	25
RBIK2508	25	8	65	14	2x G1/4"	25
RBIK2510	25	10	65	14	2x G1/4"	25
RBIK2512	25	12	65	14	2x G1/4"	25
RBIK2514	25	14	65	14	2x G1/4"	25
RBIK2516	25	16	65	14	2x G1/4"	25
RBIK2608	1"	8	65	14	2x G1/4"	25
RBIK2610	1"	10	65	14	2x G1/4"	25
RBIK2612	1"	12	65	14	2x G1/4"	25
RBIK2614	1"	14	65	14	2x G1/4"	25
RBIK2616	1"	16	65	14	2x G1/4"	25
RBIK3210K	32	10	55	3	G1/8"	40
RBIK3212K	32	12	55	3	G1/8"	40
RBIK3214K	32	14	55	3	G1/8"	40
RBIK3216K	32	16	55	3	G1/8"	40
RBIK3218K	32	18	55	3	G1/8"	40
RBIK3220K	32	20	55	3	G1/8"	40

* Mit Klemmfläche und 2 bzw. 3 Klemmschrauben
RBIK32...K Kühlmittelanschluss nur axial gegenüber Bundseite

* With clamping flat and 2 or 3 clamping screws
RBIK32...K inner coolant inlet only axial opposite to the flange

Reduzierhülsen für Morsekonus

Reduction Sleeves for Morse Taper

Bestell-Nr. order-no.	D	MK	H	L	Bild
V150.119	3/4"	1	--	63	2
V150.219	3/4"	2	29	46	1
V150.120	20	1	--	63	2
V150.220	20	2	29	46	1
V150.122	22	1	--	63	2
V150.222	22	2	25	50	1
V150.125	25	1	--	63	1
V150.225	25	2	--	75	1
V150.325	25	3	54	46	1
V150.126	1"	1	--	63	2
V150.226	1"	2	10	75	2
V150.326	1"	3	54	46	1
V150.130	30	1	--	63	2
V150.230	30	2	--	75	2
V150.330	30	3	--	100	2
V150.131	1 1/4"	1	--	63	2
V150.231	1 1/4"	2	--	75	2
V150.331	1 1/4"	3	--	100	2
V150.132	32	1	--	63	2
V150.232	32	2	--	75	2
V150.332	32	3	--	100	2
V150.240	40	2	--	100	2
U243.2503	25	3	54	55	3
U243.3102	1 1/4"	2	7	78	3
U243.3103	1 1/4"	3	16	78	3
U243.3201	32	1	7	70	3
U243.3202	32	2	7	78	3
U243.3203	32	3	16	78	3
U243.4001	40	1	7	70	3
U243.4002	40	2	7	89	3
U243.4003	40	3	7	89	3
U243.4004	40	4	29	89	3
U243.5004	50	4	30	90	3
RB16MK1	16	1	--	90	4
RB34MK1	3/4"	1	--	82	4
RB20MK1	20	1	--	90	4
RB10MK1	1"	1	--	90	4
RB10MK2	1"	2	--	100	4
RB25MK1	25	1	--	95	4
RB25MK2	25	2	--	95	4
RB32MK1	32	1	--	90	4
RB32MK2	32	2	--	100	4
RB32MK3	32	3	--	120	4

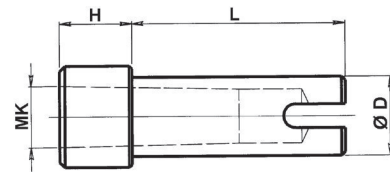


Bild 1

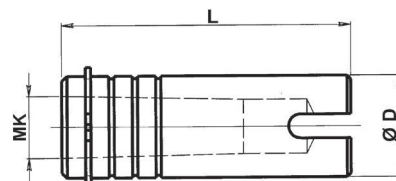


Bild 2

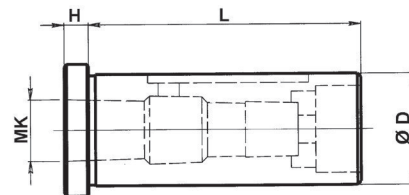


Bild 3

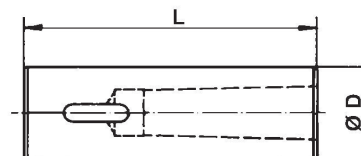


Bild 4

Austreiberlappen für MK-Futter

Ejector Drifts for MT-Holders

S. Kap. 2.1 - 22

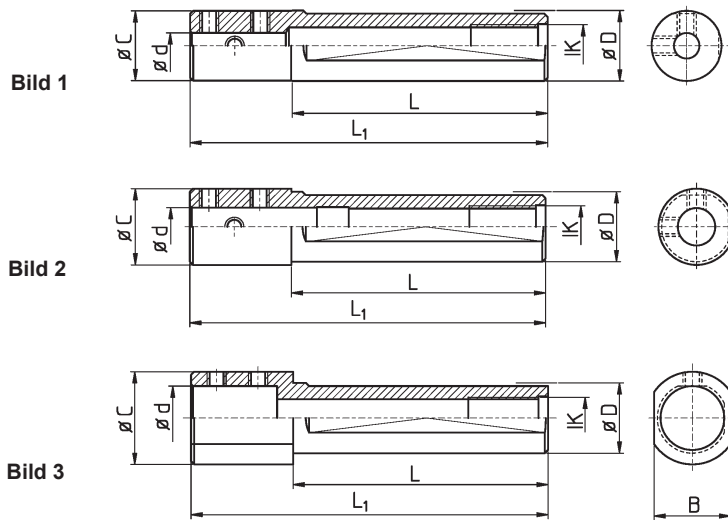
see chapter 2.1 - 22

Bohrstangenaufnahmen

Boring Bar Sleeves

Bohrstange wird exakt waagrecht ausgerichtet

Boring bar will be accurately horizontally adjusted



Zahl der Spannflächen und Gewindebohrungen kann von den Musterzeichnungen abweichen
 Number of clamping flats and thread holes may vary from the shown drawings

Bestell-Nr. order-no.	d	D	C	B	L ₁	L	IK	Maschinen machines	Bild
WD121275-PICCO #	12	12	19	19	50	75	4		ähnl. 2
WD0516SR	5	16	40	24	20	46	--		4
WD0616SR	6	16	40	24	20	46	--		4
WD0816SR	8	16	40	24	20	46	--		4
WD1016SR	10	16	40	24	20	46	--		4
WD1216SR	12	16	40	24	20	46	--	Rückseite back working	4
WD061650	6	16	18	--	50	70	6		2
WD081650	8	16	18	--	50	70	8	STAR	2
WD101650	10	16	20	--	50	70	9	SR10J	2
WD121650	12	16	22	--	50	70	9	SW7	2
ABS691-03	3	16	15,8	--	80	90	G1/8"		1
ABS691-41	4	16	15,8	--	80	90	4		1
ABS691-05	5	16	15,8	--	80	90	G1/8"	STAR SR10J	1
ABS691-42	6	16	15,8	--	80	90	6		1
ABS691-08	8	16	15,8	--	80	90	G1/8"		1
ABS1903	3	3/4"	18,8	--	52	70	G1/8"		1
ABS1904	4	3/4"	18,8	--	52	70	G1/8"		1
ABS1905	5	3/4"	18,8	--	52	70	G1/8"		1
ABS1906	6	3/4"	18,8	--	52	70	G1/8"	CITIZEN	1
ABS1908	8	3/4"	22	20	40	70	G1/8"	L16-20	3
ABS1910	10	3/4"	28	20	40	70	G1/8"	B12	3
ABS1912	12	3/4"	28	20	40	70	G1/8"	C16	3
ABS1914	14	3/4"	30	20	40	70	G1/4"	M12/16	3
ABS1916	16	3/4"	30	20	40	70	G1/4"		3
WD061990FL	6	3/4"	3/4"	--	--	90	--		1
WD081990	8	3/4"	3/4"	--	--	90	--		1
ABS2006	6	20	28	--	40	70	G1/4"		2
ABS2008	8	20	28	--	40	70	G1/4"		2
ABS2010	10	20	28	--	40	70	G1/4"		2
ABS2012	12	20	28	--	40	70	G1/4"	CITIZEN B12	2
ABS2014	14	20	30	--	40	70	G1/4"	u.a.	2
ABS2015	15	20	30	--	40	70	G1/4"		2
ABS2016	16	20	30	--	40	70	G1/4"		2

Insbesondere geeignet für ISCAR PICCO CUT Klingen. Einsätze für Bohrungen Ø 3 -10 mm s. Kap. 10.2 - 11
 Particularly suitable for ISCAR PICCO CUT inserts. Sockets for bore-Ø 3 - 10 mm see chapter 10.2 - 11

8.2 - 2

Bohrstangenaufnahmen Boring Bar Sleeves

8

Reduzierhülsen, Bohrstangenaufnahmen Reduction Sleeves, Boring Bar Sleeves



Bohrstangenaufnahmen

Boring Bar Sleeves

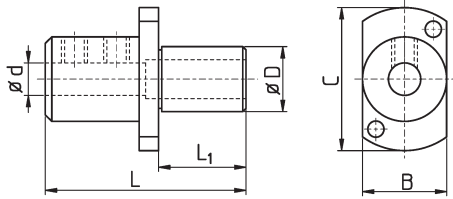


Bild 4

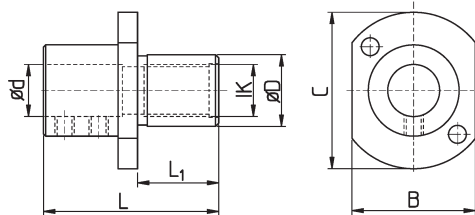
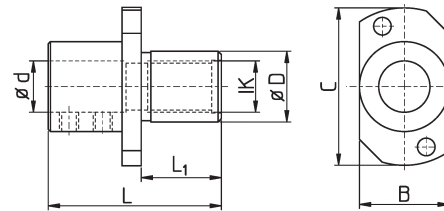


Bild 5

Bild 6



Bestell-Nr. order-no.	d	D	C	B	L ₁	L	IK	Maschinen machines	Bild
WD162050	16	20	30	--	50	70			2
WD0322SRR	3	22	49	28	25	51			6
WD0422SRR	4	22	49	28	25	59	M14x1		6
WD0522SRR	5	22	49	28	25	59	5		6
WD0622SRR	6	22	49	28	25	59	G1/4"		6
WD0722SRR	7	22	49	28	25	59	M14x1		6
WD0822SRR	8	22	49	28	25	59	M14x1		6
WD0922SRR	9	22	49	28	25	59	M14x1		6
WD1022SRR	10	22	49	28	25	59	G1/4"		6
WD1222SRR	12	22	49	28	25	59	G1/4"		6
WD1422SRR	14	22	49	28	25	59	M16x1		6
WD1622SRR	16	22	49	28	25	59	M16x1		6
WD1922SRR	19	22	49	28	25	59	G1/4"		6
WD2022SRR	20	22	49	28	25	59	M16x1		6
WD0622SR	6	22	48	38	25	63	--		5
WD0822SR	8	22	48	38	25	63	--		5
WD1022SR	10	22	48	38	25	63	--		5
WD1222SR	12	22	48	38	25	63	--		5
WD1422SR	14	22	48	38	25	63	--		5
WD1622SR	16	22	48	38	25	63	--		5
WD2022SR	20	22	48	38	25	63	--		5
ABS736-44	6	22	24	--	70	105	G1/4"		2
ABS736-40	8	22	24	--	70	105	G1/4"		2
ABS736-41	10	22	24	--	80	105	G1/4"		2
ABS736-42	12	22	24	--	80	105	G1/4"		2
WD122270-PICCO #	12	22			70				#
WD032280	3	22	21,7	--	80	112			1
WD042280	4	22	21,7	--	80	112	G1/4"		1
WD052280	5	22	21,7	--	80	112	G1/4"		1
WD062280	6	22	21,7	--	80	112	G1/4"		1
WD072280	7	22	21,7	--	80	112	G1/4"		1
WD082280	8	22	21,7	--	80	112	G1/4"		1
WD102280	10	22	21,7	--	80	112	G1/4"		1
WD122280	12	22	24	--	80	112	G1/4"		2
WD142280	14	22	29	24	80	112	G1/4"		3
WD162280	16	22	29	24	80	112	G1/4"		3
WD192280	19	22	32	24	80	112	G1/4"		3
WD202280	20	22	32	24	80	112	G1/4"		3

STAR
SR20R / SR20J
Rückseite
back working

STAR
SR32
Rückseite
back working

Original STAR
RNC 16B SR16/20/32
SV12/20/32

STAR
RNC 16B SR16/20/32
KNC SNC
SV12/20/32
SA12/16 SE12/16

Bohrstangenaufnahmen

Boring Bar Sleeves

Bestell-Nr. order-no.	d	D	C	B	L ₁	L	IK	Maschinen machines	Bild
ABS301-41	6	22	21,7	--	80	120	6	STAR	1
ABS301-42	8	22	21,7	--	80	120	8	SA12/16 SE12/16 SB 16	1
ABS301-43	10	22	21,7	--	80	120	G1/4"	(22mm durchgehend geschliffen)	1
ABS301-44	12	22	21,7	--	80	120	G1/4"	(22mm through ground)	1
WD0625154	6	25	24,7	--	154	170	G1/4"		1
WD0825154	8	25	24,7	--	154	170	G1/4"		1
WD1025154	10	25	24,7	--	154	170	G1/4"		1
WD1225154	12	25	24,7	--	154	170	G1/4"		1
WD1425154	14	25	24,7	--	154	170	G1/4"	TORNOS	1
WD1625154	16	25	24,7	--	154	170	G1/4"	DECO 2000	1
WD1825154	18	25	32	--	130	170	G1/4"		2
WD1925154	1"	25	35	--	130	170	G1/4"		2
WD2025154	20	25	35	--	130	170	G1/4"		2
WD062699FL	6	1"	--	--	--	100	6		1
WD102699FL	10	1"	--	--	--	100	10		1
WD122699FL	12	1"	--	--	--	100	12		1
WD142699FL	14	1"	--	--	--	100	14		1
ABS2604	4	1"	27,6	--	60	110	G1/4"		2
ABS2604L	4	1"	--	--	--	130	G1/4"		1
ABS2606	6	1"	27,6	--	60	110	G1/4"		2
ABS2606L	6	1"	--	--	--	130	G1/4"		1
ABS2606FL	6	1"	25	--	118	130	G1/4"		1
ABS2608K	8	1"	25	--	98	110	G1/4"		1
ABS2608	8	1"	27,6	--	60	110	G1/4"	CITIZEN	2
ABS2608L	8	1"	--	--	--	130	G1/4"	L25	1
ABS2608FL	8	1"	25	--	118	130	G1/4"	M20/25	1
ABS2610K	10	1"	25	--	85	100	G1/4"	E32	1
ABS2610	10	1"	28	--	60	110	G1/4"		2
ABS2612	12	1"	27,6	--	60	110	G1/4"		2
ABS2612FL	12	1"	25	--	118	130	G1/4"		1
ABS2616	16	1"	32	28	60	110	G1/4"		3
ABS2620	20	1"	32	28	60	110	G1/4"		3
ABS2620S	20	1"	36	--	60	110	G1/4"		1
WD0628110	6	28	36	--	--	110	M12x1,5		2
WD0828110FL	8	28	36	--	--	110	M12x1,5	TRAUB TNL 12/16	2
WD1028110	10	28	36	--	--	110	M12x1,5	mit Kühlmittelanschluss	2
WD1228110	12	28	36	--	--	110	M12x1,5	with coolant inlet	2
WD1628110	16	28	36	--	--	110	M12x1,5	M12x1,5	2
WD203280	20	32	31,8	--	80	106			1
WD253280	25	32	40	34	80	106		STAR SR32JN	3
WD0632105	6	32	31,6	--	95	105	G1/4"		1
WD0832105	8	32	31,6	--	95	105	G1/4"		1
WD1032105	10	32	31,6	--	95	105	G1/4"		1
WD1232105	12	32	31,6	--	95	105	G1/4"	STAR SR32J	1
WD1432105	14	32	31,6	--	95	105	G1/4"		1
WD1632105	16	32	31,6	--	95	105	G1/4"		1
WD2032105	20	32	31,6	--	94	105	G1/4"		1

Insbesondere geeignet für ISCAR PICCO CUT Klingen. Einsätze für Bohrungen Ø 3 -10 mm s. Kap. 10.2 - 11
Particularly suitable for ISCAR PICCO CUT inserts. Sockets for bore-Ø 3 - 10 mm see chapter 10.2 - 11

8.2 - 4

Bohrstangenaufnahmen

Boring Bar Sleeves

8

Reduzierhülsen, Bohrstangenaufnahmen

Reduction Sleeves, Boring Bar Sleeves

BRITSCH
Spannzeuge GmbH

**Bohrstangenaufnahmen
mit innerer Kühlmittelzufuhr**

**Boring Bar Sleeves
with inner coolant inlet**

Bild 1

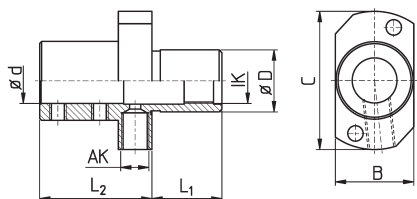
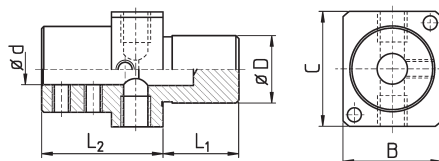


Bild 2



Bestell-Nr. order-no.	d	D	L ₁	L ₂	C	B	AK	IK	Maschinen machines	Bild
WD0622SRR-AK1	6	22	25	40	49	28	G1/8"	M16x1	STAR SR20R / SR20J ECAS20 SR32 J	1
WD0822SRR-AK1	8	22	25	40	49	28	G1/8"	M14x1		1
WD1022SRR-AK1	10	22	25	40	49	28	G1/8"	M16x1		1
WD1222SRR-AK1	12	22	25	40	49	28	G1/8"	M14x1		1
WD1422SRR-AK1	14	22	25	40	49	28	G1/8"	M10x1		1
WD1622SRR-AK1	16	22	25	40	49	28	G1/8"	--		1
WD2022SRR-AK1	20	22	25	40	49	28	G1/8"	--		1
WD0622SW-AK1	6	22	25	40	37,5	32,5	G1/8"	G1/4"		STAR SW20 SR20R4
WD0822SW-AK1	8	22	25	40	37,5	32,5	G1/8"	--	2	
WD1022SW-AK1	10	22	25	40	37,5	32,5	G1/8"	--	2	
WD1222SW-AK1	12	22	25	40	37,5	32,5	G1/8"	--	2	
WD1422SW-AK1	14	22	25	40	37,5	32,5	G1/8"	--	2	
WD1622SW-AK1	16	22	25	40	37,5	32,5	G1/8"	--	2	
WD2022SW-AK1	20	22	25	40	37,5	32,5	G1/8"	--	2	
WD2522SR-AK1	25	22	25	44	48	38	G1/8"	--	STAR SR16 / 20	--

Wenn IK-Angabe vorhanden - auch mit Anschlag verwendbar (Bild 1)
If IK- is indicated - also useable with back stop

Bohrstangenaufnahmen mit innerer Kühlmittelzufuhr

Boring Bar Sleeves with inner coolant inlet

Bild 3

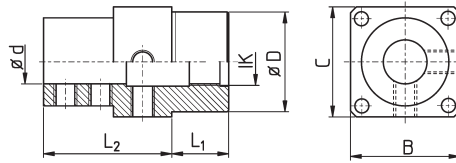
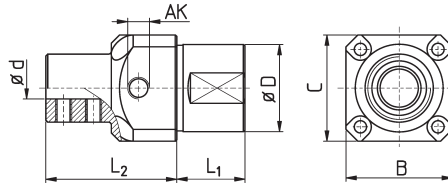


Bild 4

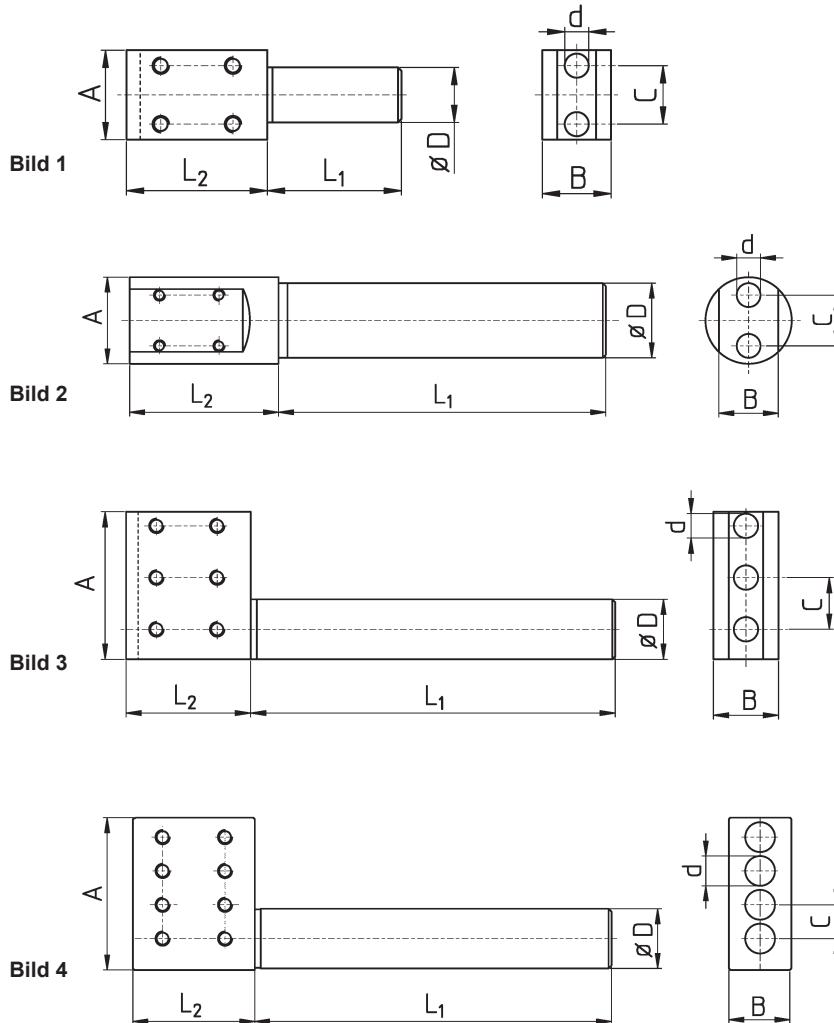


Bestell-Nr. order-no.	d	D	L ₁	L ₂	C	B	AK	IK	Maschinen machines	Bild	
WD1634MK	16	34	44	35,5	37,5	37,5	--	M16x1	MAIER	3	
WD1934MK	3/4"	34	44	25	37,5	37,5	--	--		3	
WD2034MK	20	34	44	25	37,5	37,5	--	G1/4"		3	
WD2034MK	20	34	44	35,5	37,5	37,5	--	M16x1		3	
WD1234MKL	12	34	19,5	34	37,5	37,5	--	--		3	
WD1234MK-AK1	12	34	19,5	44,5	37,5	37,5	M8x1	--		3	
WD1634MKL	16	34	19,5	44,5	37,5	37,5	M8x1	--		3	
WD1934MK	3/4"	34	19,5	25,5	37,5	37,5	--	--		3	
WD1934MKL	3/4"	34	19,5	34	37,5	37,5	--	--		3	
WD1934MK-AK1	3/4"	34	19,5	44,5	37,5	37,5	M8x1	--		3	
WD2034MKL	20	34	19,5	34	37,5	37,5	--	--		3	
WD2034MK-AK1	20	34	19,5	44,5	37,5	37,5	M8x1	--		3	
WD2534MKL	25	34	19,5	34	37,5	37,5	--	--		3	
WD2534MK-AK1	25	34	19,5	44,5	37,5	37,5	M8x1	--		3	
WD2634MK	1"	34	19,5	25,5	37,5	37,5	--	--		3	
WD2634MKL	1"	34	19,5	34	37,5	37,5	--	--		3	
WD2634MK-AK1	1"	34	19,5	44,5	37,5	37,5	M8x1	--		3	
WD0632HA-AK1	6	32	25	48	39	39	G1/8"	--		HANWHA	4
WD0832HA-AK1	8	32	25	48	39	39	G1/8"	--			4
WD1032HA-AK1	10	32	25	48	39	39	G1/8"	--			4
WD1232HA-AK1	12	32	25	48	39	39	G1/8"	--	4		
WD1632HA-AK1	16	32	25	48	39	39	G1/8"	--	4		

Wenn IK-Angabe vorhanden - auch mit Anschlag verwendbar (Bild 1)
 If IK- is indicated - also useable with back stop

Mehrfachbohrerhalter
für TORNOS DECO 2000 und Andere

Multi Drill Holders
for TORNOS DECO 2000 and More



Bestell-Nr. order-no.	D	d H6	A	B	C	b	L ₁	L ₂	Bild
MVB167	16	7	26	20	17	11	38	41	1
MVB198	3/4"	8	29	20	17	-	80	41	3
MVB207	20	7	29	20	17	-	120	41	3
MVB207x3	20	7	50	20	17	11	120	42	2
MVB208	20	8	29	20	17	-	120	41	3
MVB208x3	20	8	50	20	17	11	120	42	2
MVB228	22	8	29	20	17	-	120	41	3
MVB210x4	20	10	51	21	11,3	--	120	42	4
MVB257	25	7	29	20	17	-	120	41	3
MVB257x3	25	7	53,5	20	17	11	120	42	2
MVB258	25	8	29	20	17	-	120	41	3
MVB258x3	25	8	53,5	20	17	11	120	42	2
MVB268	1"	8	29	20	17	-	120	41	3

Kürzere Schaftlängen ohne Aufpreis lieferbar
Auch für Einsätze EM110756 , EM110856

Shorter shanks without additional fee
Also for inserts EM110756 , EM110856

Knurl Holders



Rändelhalter

9.1

Centering Steel Holders



Zentrierstahlhalter

9.2

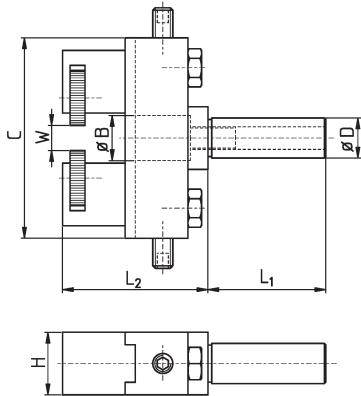
Seite
Page

1	Axialrändelhalter <i>Axial Knurl Holders</i>
1	Verlängerungen für Axialrändelhalter <i>Extension for Knurl Holders</i>
2	3-Pkt. Rändelhalter <i>Axial Knurl Holders, 3 Wheel Type</i>
3	2-Pkt. Rändelhalter <i>Axial Knurl Holders, 2 Wheel Type</i>
4, 5	Radialrändelhalter <i>Radial Knurl Holders</i>
6	Doppel-Rändelhalter <i>Double Knurl Holders</i>

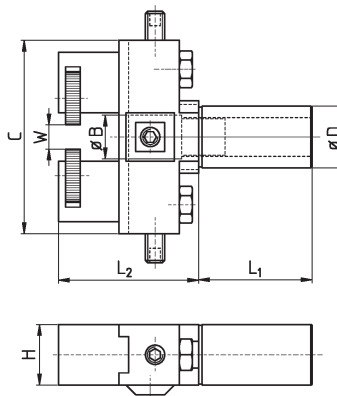
Axialrändelhalter

Axial Knurl Holders

- Für höchste Drehzahlen und Drücke: Kein Anfressen mehr
- Ausführung: gehärtet, vergütet und geschliffen
- Auch als Rollierwerkzeug für höchste Oberflächengüte
- *For highest pressure and rotation speed*
- *Version: hardened tempered and grinded*
- *Also as a roller burnishing tool for maximum surface quality*



Ausführung 1 - Type 1



Ausführung 2 - Type 2

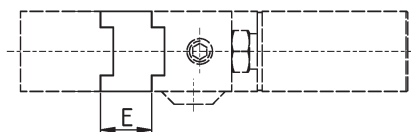


Bestell-Nr. order-no.	D	L ₁	L ₂	C	H	B	W _{MAX}	Ausführung type	Rändel knurl
RDH58	5/8"	46	50	80	25	17	0-40	1	20x6x6
RDH16	16	46	50	80	25	17	0-40	1	20x6x6
RDH19	3/4"	46	50	80	25	18	0-40	1 od. 2	20x6x6
RDH20	20	46	50	80	25	18	0-40	1	20x6x6
RDH25	25	55	50	88	25	18	0-44*	1 od. 2	20x6x6
RDH26	1"	46	50	80	25	18	0-44*	1 od. 2	20x6x6
RDH22	22	75	50	80	25	17	0-40	1	20x6x6

* Auch mit Rändel - *Also with knurl* 15x6x6

Verlängerungen für Axialrändelhalter

Extension for Knurl Holders

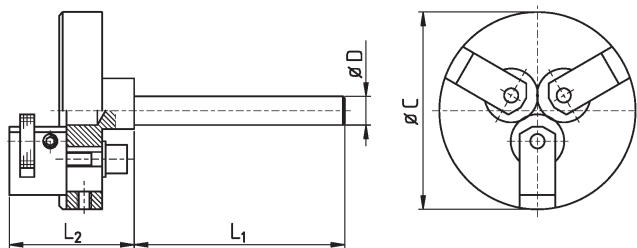


Bestell-Nr. order-no.	E
RDH-U16	15
RDH-U20	20

3-Punkt-Rändelhalter

Axial Knurl Holders, 3 Wheel Type

- Verstellbarer Rändel-Ø von 1,6 - 21mm
 - Sehr stabile Rändelführung
 - Theoretischer kleinster Rändeldurchmesser:
- Possibility to knurl from \varnothing 1,6 - 21 mm
 - Very solid guidance
 - Theoretical smallest knurl size:

Rändel - **knurl** 10 Ø : Material-Ø = 1,54 min.Rändel - **knurl** 12 Ø : Material-Ø = 1,86 min.Rändel - **knurl** 15 Ø : Material-Ø = 2,32 min.

Bestell-Nr. order-no.	D	L ₁	L ₂	C	1. max. Rändeltiefe - knurl length	2. max. Rändeltiefe - knurl length	Rändel knurl
RTH06	6	60	25	45	< \varnothing 11=12 mm	> \varnothing 11=6 mm	10-15x4x4
RTH07	7	60	25	55	< \varnothing 11=12 mm	> \varnothing 11=6 mm	10-15x4x4
RTH08	8	60	25	55	< \varnothing 11=12 mm	> \varnothing 11=6 mm	10-15x4x4
RTH10	10	61	25	55	< \varnothing 11=12 mm	> \varnothing 11=6 mm	10-15x4x4
RTH12	12	60	25	55	< \varnothing 11=12 mm	> \varnothing 11=6 mm	10-15x4x4
RTH16	16	60	25	55	< \varnothing 11=100 mm	> \varnothing 11=6 mm	10-15x4x4
RTH19	19	58	25	55	< \varnothing 11=100 mm	> \varnothing 11=6 mm	10-15x4x4
RTH20	20	58	25	55	< \varnothing 11=100 mm	> \varnothing 11=6 mm	10-15x4x4
RTH22	22	120	25	55	< \varnothing 11=100 mm	> \varnothing 11=6 mm	10-15x4x4

2-Punkt-Rändelhalter (für Langdrehautomaten)

Axial Knurl Holders, 2 Wheel Type (for Lathes)

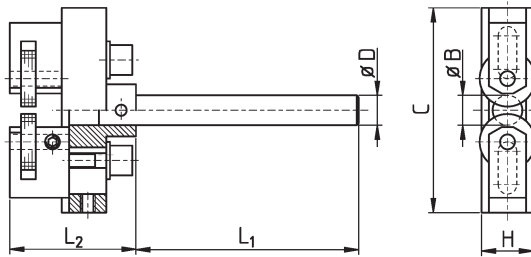
- Verstellbarer Rändel-Ø von 0 - 20 mm
- Sehr stabile Rändelführung

- Possibility to knurl from $\varnothing 0 - 20$ mm
- Very solid guidance

- Maximale Rändellänge:

- < B \varnothing = 27 mm
- < B \varnothing = ab RDH16 beliebig - *from RDH16 endless*
- > B \varnothing = 10 mm

- Maximum knurl length:



Bestell-Nr. order-no.	D	L_1	L_2	H	C	B	Rändel knurl
RKH06	6	58	35	16	55	7,5	10-15 x 4 x 4
RKH07	7	60	35	16	55	7,5	10-15 x 4 x 4
RKH08	8	60	35	16	55	7,5	10-15 x 4 x 4
RKH10	10	60	35	16	55	7,5	10-15 x 4 x 4
RKH12	12	60	35	19	55	7,5	10-15 x 4 x 4
RKH16	16	67	25	19	55	8,5	10-15 x 4 x 4
RKH19	3/4"	58	35	19	55	9,5	10-15 x 4 x 4
RKH20	20	58	35	19	55	10,5	10-15 x 4 x 4
RKH22	22	120	35	19	55	11,5	10-15 x 4 x 4

9.1 - 4

Rändelhalter Knurl Holders

9

Rändelhalter, Zentrierstahlhalter Knurl Holders Centering Steel Holders

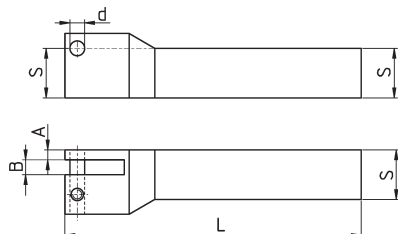
BRITSCH
Spannzeuge GmbH

Rändelhalter

Radial Knurl Holders

- Für höchste Drehzahlen und Drücke
- Kein Anfressen mehr
- Bolzen aus Hartmetall, Körper gehärtet

- For highest pressure and rotation speed
- Material of pin: carbide
- Body is hardened



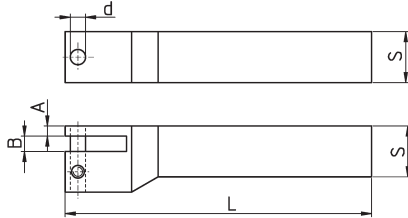
Bestell-Nr. order-no.	S	L	Rändel knurl	B	d	A
RÄHA0624 R/L	6x6	110	10/15 x 2 x 4	2	4	2
RÄHA0644 R/L	6x6	110	10/15 x 4 x 4	4	4	2
RÄHA0724 R/L	7x7	130	10/15 x 2 x 4	2	4	2
RÄHA0744 R/L	7x7	110	10/15 x 4 x 4	4	4	2
RÄHA0824 R/L	8x8	130	10/15 x 2 x 4	2	4	2,6
RÄHA0844 R/L	8x8	130	10/15 x 4 x 4	4	4	2,8
RÄHA0864 R/L	8x8	130	10/15 x 6 x 4	6	4	2,7
RÄHA0884 R/L	8x8	130	15 x 8 x 4	8	4	2,5
RÄHA1024 R/L	10x10	130	10/15 x 2 x 4	2	4	2,5
RÄHA1044 R/L	10x10	130	15 x 4 x 4	4	4	2,8
RÄHA1054 R/L	10x10	130	15 x 5 x 4	5	4	2,7
RÄHA1064 R/L	10x10	130	15 x 6 x 4	6	4	2,6
RÄHA1066 R/L	10x10	130	20 x 6 x 6	6	6	3
RÄHA1086 R/L	10x10	130	20 x 8 x 6	8	6	3
RÄHA1016 R/L	10x10	130	20 x 10 x 6	10	6	3
RÄHA1224 R/L	12x12	150	10/15 x 2 x 4	2	4	3
RÄHA1244 R/L	12x12	140	15 x 4 x 4	4	4	3
RÄHA1264 R/L	12x12	140	15 x 6 x 4	6	4	3
RÄHA1266 R/L	12x12	140	20 x 6 x 6	6	6	3
RÄHA1286 R/L	12x12	140	20 x 8 x 6	8	6	3,2
RÄHA1216 R/L	12x12	140	20 x 10 x 6	10	6	3
RÄHA1644 R/L	16x16	95	15 x 4 x 4	4	4	2,5
RÄHA1664 R/L	16x16	95	15 x 6 x 4	6	4	2,9
RÄHA1666 R/L	16x16	95	20 x 6 x 6	6	6	3
RÄHA1686 R/L	16x16	95	20 x 6 x 6	8	6	3,4
RÄHA1616 R/L	16x16	110	20 x 10 x 6	10	6	5
RÄHA2044 R/L	20x20	110	15 x 4 x 4	4	4	3
RÄHA2066 R/L	20x20	110	20/25 x 6 x 6	6	6	5
RÄHA2086 R/L	20x20	110	20/25 x 8 x 6	8	6	5
RÄHA2016 R/L	20x20	110	20/25 x 10 x 6	10	6	6
RÄHA2566 R/L	25x25	115	20/25 x 6 x 6	6	6	5
RÄHA2586 R/L	25x25	115	20/25 x 8 x 6	8	6	5
RÄHA2516 R/L	25x25	115	20/25 x 10 x 6	10	6	5

Rändelhalter

Radial Knurl Holders

- Für höchste Drehzahlen und Drücke
- Kein Anfressen mehr
- Bolzen aus Hartmetall, Körper gehärtet

- For highest pressure and rotation speed
- Material of pin: carbide
- Body is hardened



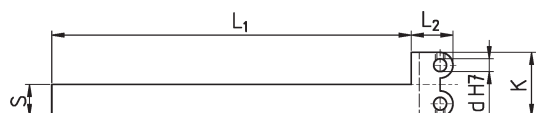
Bestell-Nr. order-no.	S	L	Rändel knurl	B	d	A
RÄHA1024 N	10x10	130	10/15 x 2 x 4	2	4	2
RÄHA1044 N	10x10	130	10/15 x 4 x 4	4	4	2
RÄHA1064 N	10x10	130	15 x 6 x 4	6	4	2,5
RÄHA1244 N	12x12	130	15 x 4 x 4	4	4	2
RÄHA1264 N	12x12	130	15 x 6 x 4	6	4	2,5
RÄHA1266 N	12x12	130	20/15 x 6 x 6	6	6	2,5
RÄHA1286 N	12x12	130	20/15 x 8 x 6	8	6	2,5
RÄHA1644 N	16x16	95	15 x 4 x 4	4	4	3
RÄHA1666 N	16x16	95	20 x 6 x 6	6	6	4,5
RÄHA1686 N	16x16	95	25/20 x 8 x 6	8	6	3,5
RÄHA2066 N	20x20	95	25/20 x 6 x 6	6	6	4,5
RÄHA1616 N	16x16	100	25/20 x 10 x 6	10	6	3,2
RÄHA2086 N	20x20	95	25/20 x 8 x 6	8	6	4,5
RÄHA2016 N	20x20	95	25/20 x 10 x 6	10	6	4,5

Doppel-Rändelhalter

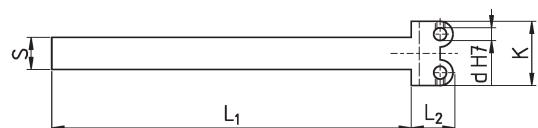
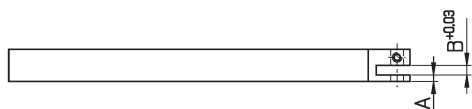
Double Knurl Holders

- Für höchste Drehzahlen und Drücke
- Kein Anfressen mehr
- Bolzen aus Hartmetall, Körper gehärtet

- For highest pressure and rotation speed
- Material of pin: carbide
- Body is hardened



Typ L



Typ N

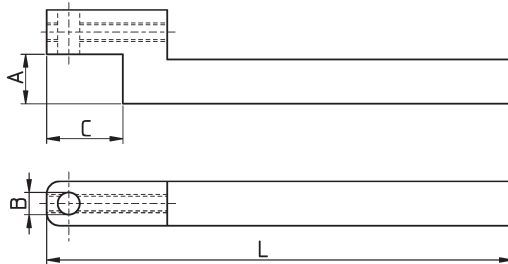


Bestell-Nr. order-no.	S	L ₁	L ₂	max Rändel-Ø knurl-Ø	B	d	A	K
DRÄ0824 R/L/N	8x8	120	16	10 x 2 x 4	2	4	2	20
DRÄ0844 R/L/N	8x8	120	16	10 x 4 x 4	4	4	2	20
DRÄ1024 R/L/N	10x10	120	16	10 x 2 x 4	2	4	2	20
DRÄ1044 R/L/N	10x10	120	16	10 x 4 x 4	4	4	2	20
DRÄ1224 R/L/N	12x12	120	16	10 x 2 x 4	2	4	2	20
DRÄ1244 R/L/N	12x12	120	16	10 x 4 x 4	4	4	2	20
DRÄ1644 R/L/N*	16x16	80	38	10 x 4 x 4	4	4	2,5	20
DRÄ2044 R/L*	20x20	80	38	10 x 4 x 4	4	4	3	20

* Mit beweglichem Kopf - *With flexible head*

Zentrierstahlhalter,
für Maschinen mit verstellbarer Spitzenhöhe
oder y-Achse, z. B. CITIZEN, STAR, TSUGAMI

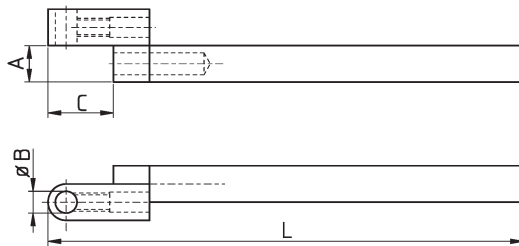
Center Holders,
for Machines With Adjustable Center Height
or y-Axis, e. g. CITIZEN, STAR, TSUGAMI



Bestell-Nr. order-no.	L	Schaft shank	A	Ø B	C
ZSTE0808	130	8x8	8	2/3/4/5	12
ZSTE1010	130	10x10	10	3/4/5/6	13
ZSTE1212	130	12x12	12	3/4/5/6/8	15
ZSTE1212 C (CITIZEN)	125	12x12	10	3/4/5/6/8	8,5
ZSTE1616	130	16x16	16	3/4/5/6/8/10	16,5

Zentrierstahlhalter

Center Holders



Ausführung rechts "R"
Type right

Bestell-Nr. order-no.	Ausführung type	L	Schaft shank	A	Ø B	C
ZST0707L	links - left	130	7x7	7	2/3/4/5	
ZST0808R	rechts - right	130	8x8	8	2/3/4/5	16
ZST0808L	links - left	130	8x8	8	2/3/4/5/6	16
ZST1010R	rechts - right	130	10x10	10	3/4/5/6	18
ZST1010L	links - left	130	10x10	10	3/4/5/6	18
ZST1212R	rechts - right	130	12x12	12	3/4/5/6/8	21
ZST1212L	links - left	130	12x12	12	3/4/5/6/8	21
ZST1212RC (CITIZEN)	rechts - right	125	12x12	10	3/4/5/6/8	8,5
ZST1616R	rechts - right	130	16x16	16	3/4/5/6/8/10	20
ZST1616L	links - left	130	16x16	16	3/4/5/6/8/10	20

9.2 - 2

Zentrierstahlhalter Centering Steel Holders

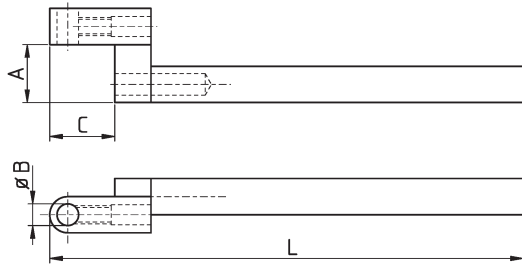
9

Rändelhalter, Zentrierstahlhalter Knurl Holders Centering Steel Holders

BRITSCH
Spannzeuge GmbH

Zentrierstahlhalter, Maß A verlängert

Center Holders, Size A Extended



Ausführung rechts "R"
Type right

Bestell-Nr. order-no.	Ausführung type	L	Schaft shank	A	Ø B	C
ZST0812R	rechts - <i>right</i>	130	8x8	12	2/3/4/5	16
ZST0812L	links - <i>left</i>	130	8x8	12	2/3/4/5	16
ZST1016R	rechts - <i>right</i>	130	10x10	16	3/4/5/6/8	18
ZST1016L	links - <i>left</i>	130	10x10	16	3/4/5/6	18
ZST1220R	rechts - <i>right</i>	130	12x12	20	3/4/5/6/8	21
ZST1220L	links - <i>left</i>	130	12x12	20	3/4/5/6/8	21
ZST1620R	rechts - <i>right</i>	130	16x16	20	3/4/5/6/8/10	20
ZST1620L	links - <i>left</i>	130	16x16	20	3/4/5/6/8/10	20

Insert Holders



Wendeplattenhalter

10.1

*Height Adjustable
Back Working Holders*



Höhenverstellbare
Wendeplattenhalter

10.2

Carbide Boring Bars



VHM-Bohrstangen

10.3

Seite
Page

1, 2	Wendeplattenhalter, STA <i>Insert Holders, STA</i>
2	Wendeplattenhalter, SSD <i>Insert Holders, SSD</i>
3	Wendeplattenhalter, SCL <i>Insert Holders, SCL</i>
4, 5	Wendeplattenhalter, SDN <i>Insert Holders, SDN</i>
6, 8	Wendeplattenhalter, SDA <i>Insert Holders, SDA</i>
7	Wendeplattenhalter, SDJ <i>Insert Holders, SDJ</i>
9	Wendeplattenhalter, SVV <i>Insert Holders, SVV</i>
10,11	Wendeplattenhalter, SVA <i>Insert Holders, SVA</i>
12,13	Wendeplattenhalter, SVQ <i>Insert Holders, SVQ</i>
13	Wendeplattenhalter, SVU <i>Insert Holders, SVU</i>
14	Wendeplattenhalter für 80°- Drehplatte für Pfiffner / Hydromat <i>Insert Holders for 80° Turning Inserts for Pfiffner / Hydromat</i>

Wendeplattenhalter für 60° Langdrehplatte

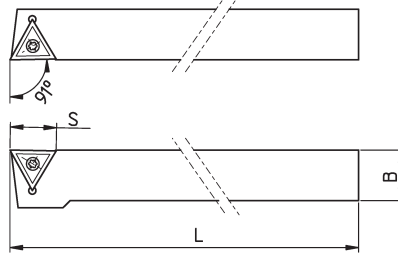
Insert Holders for 60° Inserts

TCMT-Platte, Freiwinkel 7°

TCMT inserts, Clearance angle 7°

Ausführung rechts "R"
Version right

Ausführung links
Plattensitz verstärkt "L...X"
Version left,
reinforced



Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
STACR/L 0808K11	8 x 8	125	11	TCGH 11 03.. TCGB 11 03.. TCMT 11 03..	T8	A02-25060
STACR/L 1010K11	10 x 10	125				
STACR/L 1010M11	10 x 10	150				
STACR/L 1212K11	12 x 12	125				
STACR/L 1212M11	12 x 12	150				
STACR/L 1616H11	16 x 16	100				
STACR 1616K11	16 x 16	125				
STACR/L 0808K1102	8 x 8	125	11	TCGH 11 02.. TCGB 11 02.. TCMT 11 02..	T8	A02-25060
STACL 0808M1102	8 x 8	150				
STACR/L 1010K1102	10 x 10	125				
STACR/L 1010M1102	10 x 10	150				
STACR/L 1212K1102	12 x 12	125				
STACR/L 1212M1102	12 x 12	150				
STACR/L 1616H1102	16 x 16	100				

Wendeplattenhalter für 60° Langdrehplatte

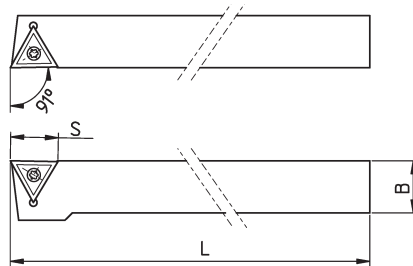
Insert Holders for 60° Inserts

TPGH-Platte, Freiwinkel 9°
 Zum Drehen kleinster Durchmesser

TPGH inserts, Clearance angle 9°
 To turn smallest diameters

Ausführung rechts "R"
Version right

**Ausführung links
 Plattensitz verstärkt "L...X"**
*Version left,
 reinforced*



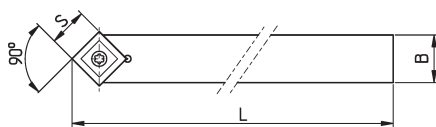
Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
STAPR/L 0808K11	8 x 8	125	11	TPGH 11 03.. TPGB 11 03.. TPMT 11 03..	T9	A02-W3082
STAPR/L 1010K11	10 x 10	125				
STAPR/L 1010M11	10 x 10	150				
STAPR/L 1212K11	12 x 12	125				
STAPR/L 1212M11	12 x 12	150				
STAPR/L 1616H11	16 x 16	100	11	TPGH 11 02.. TPGB 11 02.. TPMT 11 02..	T9	A02-W3082
STAPR/L 0808K1102	8 x 8	125				
STAPR/L 1010K1102	10 x 10	125				
STAPR/L 1010M1102	10 x 10	150				
STAPR/L 1212K1102	12 x 12	125				
STAPR/L 1212M1102	12 x 12	150	16	TPGB 16 03.. TPGH 16 03.. TPMT 16 03..	T15	A02-35096
STAPR/L 1616H1102	16 x 16	100				
STAPR/L 1212K16	12 x 12	125				
STAPR/L 1212M16	12 x 12	150				
STAPR/L 1616H16	16 x 16	100				
STAPR/L 2020K16	20 x 20	125				

**Wendeplattenhalter
 für 90° Dreh- und Fasplatte**

**Insert Holders
 for 90° Turning and Chamfer Inserts**

Freiwinkel 7° - Zum Kopieren einfacher Formen

Clearance angle 7° - To copy simple shapes



Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
SSDCR/L 1010K09	10 x 10	125	9,5	SCMT 09T3--	T15	A02-40085
SSDCR/L 1010M09	10 x 10	150				A02-40085
SSDCN 1010K09	10 x 10	125				A02-40105
SSDCN 1010M09	12 x 12	150				A02-40105
SSDCN 1212K09	12 x 12	125				A02-40105
SSDCN 1212M09	12 x 12	150				A02-40105
SSDCN 1616H09	16 x 16	100				A02-40105
SSDCN 1616K09	16 x 16	125				A02-40105
SSDCN 1616M09	16 x 16	150				A02-40105
SSDCN 1616H12	16 x 16	100				A02-45110
SSDCR/L 2020K12	20 x 20	125	12,4	SCMT 1204--	T20	A02-45110

Wendeplattenhalter für 80° Drehplatte

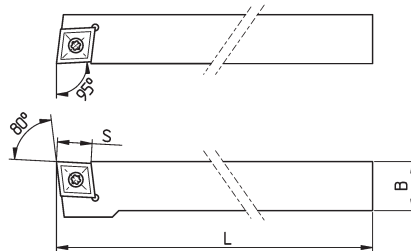
Insert Holders for 80° Turning Inserts

Freiwinkel 7° - Lang- und Plandrehen

Clearance angle 7° - Plain and face turning

Ausführung rechts "R"
Version right

Ausführung links
Plattensitz verstärkt "L...X"
Version left,
reinforced



Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
SCLCR/L 0707K06	7 x 7	125	6,3	CCGT0602.. CCMT0602..	T8	A02-25060
SCLCR/L 0808K06	8 x 8	125	6,3			
SCLCR 1010K06	10 x 10	125	6,3			
SCLCR/L 1010M06	10 x 10	150	6,3			
SCLCR/L 1212K06	12 x 12	125	6,3			
SCLCR/L 1212M06	12 x 12	150	6,3	CCMT09T3.. CCGT09T3..	T15	A02-40085 A02-40105
SCLCR/L 1010KX09	10 x 10	125	9,6			
SCLCR/L 1010MX09	10 x 10	150	9,6			
SCLCR/L 1212K09	12 x 12	125	9,6			
SCLCR/L 1212M09	12 x 12	150	9,6			
SCLCR/L 1616H09	16 x 16	100	9,6			
SCLCR/L 1616K09	16 x 16	125	9,6			
SCLCR/L 2020K09	20 x 20	125	9,6			

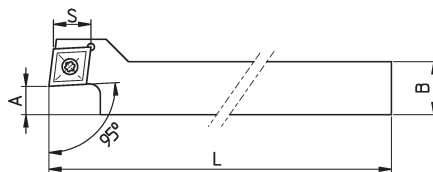
Wendeplattenhalter versetzt für 80°-Kopierplatte

Insert Holders offset for 80° Turning Inserts

Freiwinkel 7°

Clearance angle 7°

Ausführung rechts "R"
Version right



Bestell-Nr. order-no.	B	L	S	A	Platten inserts	Schlüssel spanner	Schraube screw
SCLCR 1212KW09	12 x 12	125	9	12	CCMT09T3	T15	A02-40105
SCLCR 1212MW09	12 x 12	150	9	12			
SCLCR 1212KV09	12 x 12	125	9	8			
SCLCR 1212MV09	12 x 12	150	9	8			
SCLCR 1616KV09	12 x 12	150	9	8			

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Wendeplattenhalter für 55°-Kopierplatte

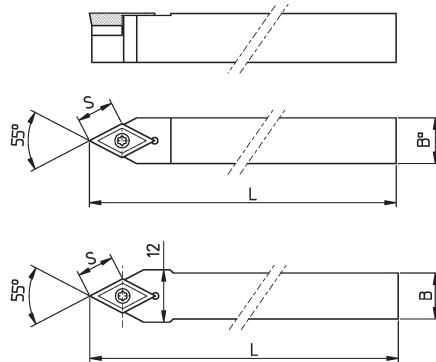
Insert Holders for 55° Turning Inserts

Freiwinkel 7° - zum Kopieren einfacher Formen

Clearance angle 7° - To copy simple shapes

Ausführung
 mit Unterlegplatte "...U"
*Version right
 with spacer*

Ausführung
 Plattensitz verstärkt "...X"
Version reinforced



Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
SDNCN 0808K07	8 x 8	130	7	DCMT 0702-- DCGT 0702--	T8	A02-25060
SDNCN 1010K07	10 x 10	125				
SDNCN 1010M07	10 x 10	150				
SDNCN 1212K07	12 x 12	125				
SDNCN 1212M07	12 x 12	150				
SDNCN 1010KX11	10 x 10	125	11	DCMT11T3-- DCGT11T3--	T15	A02-40085
SDNCN 1010MX11	10 x 10	150				A02-40085
SDNCN 1212K11	12 x 12	125				A02-40105
SDNCN 1212M11	12 x 12	150				A02-40105
SDNCN 1616H11	16 x 16	100				A02-40105
SDNCN 1616K11	16 x 16	125				A02-40105
SDNCN 2020K11	20 x 20	125				A02-40105
SDNCN 1616K11U*	16 x 16	125				A02-40105
SDNCN 2020K11U*	20 x 20	125				A02-40105

* Mit Unterlegplatte - *With spacers*

Unterlegplatten

Spacers

Platte / Bestell-Nr. insert / order-no.	Schlüssel spanner	Schraube / Bestell-Nr. screw / order-no.
SU-DC11	T9	SU-M5-35

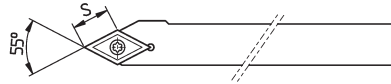
Wendeplattenhalter für Kopierplatte 55°

Insert Holders for 55° Turning Inserts

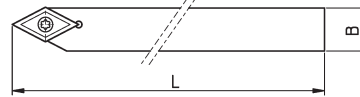
Freiwinkel 7° - Lang- und Plandrehen,

Clearance angle 7° - Plain and face turning

Ausführung rechts
Plattensitz verstärkt "R...X"
Version right,
reinforced



Ausführung links "L"
Version left



Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
SDNCR/L 1010KX11	10 x 10	125	11	DCMT11T3-- DCGT11T3--	T15	A02-40085
SDNCR/L 1010MX11	10 x 10	150				A02-40085
SDNCR/L 1212K11	12 x 12	125				A02-40105
SDNCR/L 1212M11	12 x 12	150				A02-40105
SDNCR/L 1616H11	16 x 16	100				A02-40105
SDNCR/L 2020K11	20 x 20	125				A02-40105

Wendeplattenhalter für 55°-Kopierplatte

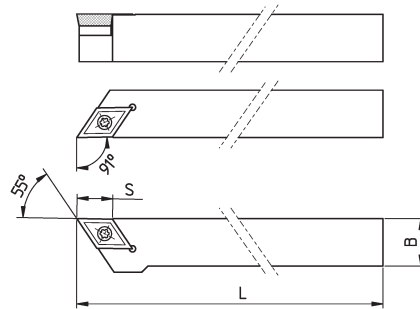
Insert Holders for 55° Turning Inserts

Freiwinkel 7°

Clearance angle 7°

Ausführung rechts
 mit Unterlegplatte "R...U"
*Version right
 with spacer*

Ausführung links
 Plattensitz verstärkt "L...X"
Version reinforced



Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
SDACR/L 0808K07	8 x 8	130	7	DCMT 0702-- DCGT 0702--	T8	A02-25060
SDACR/L 1010K07	10 x 10	125				A02-25060
SDACR/L 1010M07	10 x 10	150				A02-25060
SDACR 1212K07	12 x 12	125				A02-25060
SDACR/L 1212M07	12 x 12	150				A02-25060
SDACR/L 1313K07	13 x 13	125				A02-25060
SDACR/L 1616K07	16 x 16	125				A02-25060
SDACR/L 1010KX11	10 x 10	125	11	DCMT 11T3-- DCGT 11T3--	T15	A02-40085
SDACR/L 1010MX11	10 x 10	150				A02-40085
SDACR/L 1212K11	12 x 12	125				A02-40105
SDACR/L 1212M11	12 x 12	150				A02-40105
SDACR/L 1212KX11	12 x 12	125				A02-40105
SDACR/L 1212MX11	12 x 12	150				A02-40105
SDACR/L 1616H11	16 x 16	100				A02-40105
SDACR/L 1616K11	16 x 16	125				A02-40105
SDACR/L 2020K11	20 x 20	125				A02-40105
SDACR/L 1616K11U*	16 x 16	125				A02-40105
SDACR/L 2020K11U*	20 x 20	125	A02-40105			

* Mit Unterlegplatte - *With spacers*

Wendeplattenhalter für 55°-Kopierplatte

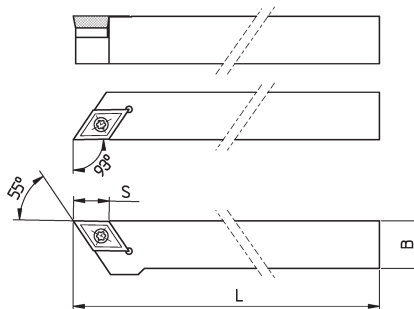
Insert Holders for 55° Turning Inserts

Freiwinkel 7°

Clearance Angle 7°

Ausführung rechts
mit Unterlegplatte "R...U"
Version right
with spacer

Ausführung links
Plattensitz verstärkt "L...X"
Version reinforced



Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
SDJCL 1010K07	10 x 10	125	7	DCMT 07T3	T15	A02-40085
SDJCR/L 1010KX11	10 x 10	125	11	DCMT 11T3-- DCGT 11T3--	T15	A02-40105
SDJCR/L 1010MX11	10 x 10	150				
SDJCL 1212K11	12 x 12	125				
SDJCL 1212KX11	12 x 12	125				
SDJCR/L 1212M11	12 x 12	150				
SDJCR/L 1212MX11	12 x 12	150				
SDJCR/L 1616H11	16 x 16	100				
SDJCR/L 1616K11	16 x 16	125				
SDJCR/L 1616K11U*	16 x 16	125				
SDJCR/L 2020K11	20 x 20	125				
SDJCR/L 2020K11U*	20 x 20	125				

* Mit Unterlegplatte - With spacers

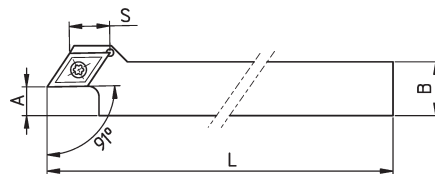
Wendeplattenhalter versetzt für 55°-Kopierplatte

Insert Holders offset for 55° Turning Inserts

Freiwinkel 7°

Clearance angle 7°

Ausführung rechts "R"
Version right



Bestell-Nr. order-no.	B	L	S	A	Platten inserts	Schlüssel spanner	Schraube screw
SDACR 1010KV11	10 x 10	125	11	7	DCGT11T3.. DCMT11T3..	T15	A02-40105
SDACR 1010MV11	10 x 10	150	11	7			
SDACR/L 1212KV11	12 x 12	125	11	7			
SDACR/L 1212MV11	12 x 12	150	11	7			
SDACR 1616HV11	16 x 16	100	11	7			
SDACR/L 1616KV11	16 x 16	125	11	7			
SDACR/L 1212KW11	12 x 12	125	11	12			
SDACR 1212MW11	12 x 12	150	11	12			

10

10.1 - 8

Wendeplattenhalter Insert Holders

10

Wendeplattenhalter Insert Holders

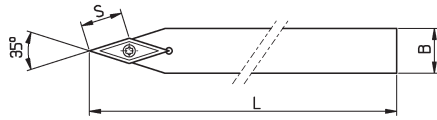
BRITSCH
Spannzeuge GmbH

Wendeplattenhalter für 35°-Kopierplatte

Insert Holders for 35° Turning Inserts

Freiwinkel 7°

Clearance angle 7°



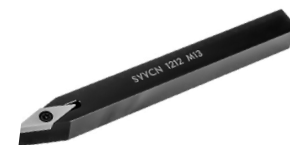
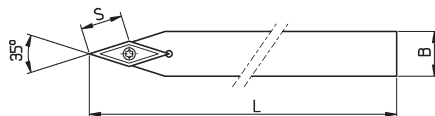
Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
SVVCN 1010K11	10 x 10	125	11	VCGT1103.. VCMT1103..	T8	A02-25060
SVVCN 1010M11	10 x 10	150				
SVVCN 1212K11	12 x 12	125				
SVVCN 1212M11	12 x 12	150				
SVVCN 1616H11	16 x 16	100	13	VCGT1303.. VCMT1303..	T9	A02-W3082
SVVCN 1010K13	10 x 10	125				
SVVCN 1010M13	10 x 10	150				
SVVCN 1212K13	12 x 12	125				
SVVCN 1212M13	12 x 12	150				
SVVCN 1616K13	16 x 16	125				
SVVCN 1616H13	16 x 16	100	16	VCGT1604.. VCMT1604..	T15	A02-40085
SVVCN 1212K16	12 x 12	125				A02-40085
SVVCN 1212M16	12 x 12	150				A02-4010
SVVCN 1616H16	16 x 16	100				A02-4010
SVVCN 1616K16	16 x 16	125				A02-4010
SVVCN 1616M16	16 x 16	150				A02-4010
SVVCN 2020K16	16 x 16	125				A02-4010

Wendeplattenhalter für 35°-Kopierplatte

Insert Holders for 35° Turning Inserts

Freiwinkel 5°

Clearance angle 5°



Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
SVVBN 1010K11	10 x 10	125	11	VBGT1103.. VBMT1103..	T8	A02-25060
SVVBN 1010M11	10 x 10	150				
SVVBN 1212K11	12 x 12	125				
SVVBN 1212M11	12 x 12	150				
SVVBN 1616H11	16 x 16	100	16	VBGT1604.. VBMT1604..	T15	A02-40085
SVVBN 1616K11	16 x 16	125				A02-35090
SVVBN 1212K16	12 x 12	125				A02-4010
SVVBN 1212M16	12 x 12	150				A02-4010
SVVBN 1616H16	16 x 16	100				A02-4010
SVVBN 1616K16	16 x 16	125				A02-4010
SVVBN 2020K16	16 x 16	125	A02-4010			

Wendeplattenhalter für 35°-Kopierplatte

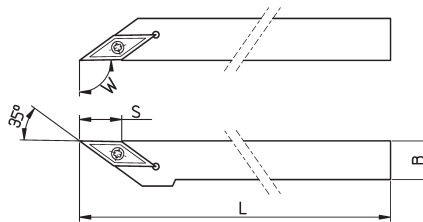
Insert Holders for 35° Turning Inserts

Freiwinkel 7°, Ausführungen SVA + SVJ

Clearance angle 7°, Types SVA + SVJ

Ausführung rechts "R"
Version right

Ausführung links
Plattensitz verstärkt "L...X"
Version left,
reinforced



Bestell-Nr. order-no.	B	L	S	W	Platten inserts	Schlüssel spanner	Schraube screw
SVACR/L 0808K11	8 x 8	125	11	91	VCGT1103.. VCMT1103..	T8	A02-25060
SVACL 1010K11	10 x 10	125	11	91			
SVACR/L 1010M11	10 x 10	150	11	91			
SVACR/L 1212K11	12 x 12	125	11	91			
SVACR/L 1212M11	12 x 12	150	11	91			
SVACL 1212KX11	12 x 12	125	11	91			
SVACL 1212MX11	12 x 12	150	11	91			
SVACL 1313K11	13 x 13	125	11	91			
SVACR/L 1616H11	16 x 16	100	11	91			
SVACR/L 1616K11	16 x 16	125	12	91			
SVJCR/L 1616H11	16 x 16	100	12	93			
SVJCR/L 1616K11	16 x 16	125	12	93			
SVACR/L 1010K13	10 x 10	125	13	91	VCGT1303.. VCMT1303..	T9	A02-W3082
SVACR/L 1010M13	10 x 10	150	13	91			
SVACR/L 1212K13	12 x 12	125	13	91			
SVACR/L 1212M13	12 x 12	150	13	91			
SVACR/L 1616K13	16 x 16	125	13	91			
SVACR/L 1616H13	16 x 16	100	13	91			
SVACR/L 1212KX16	12 x 12	125	16	91	VCGT1604.. VCMT1604..	T15	A02-40085
SVACR/L 1212MX16	12 x 12	150	16	91			A02-40085
SVACR/L 1616H16	16 x 16	100	16	91			A02-40105
SVACR/L 1616K16	16 x 16	125	16	91			A02-40105
SVACR/L 2020K16	20 x 20	125	16	91			A02-40105
SVJCR/L 2020K16	20 x 20	125	16	93			A02-40105

Wendeplattenhalter für 35°-Kopierplatte

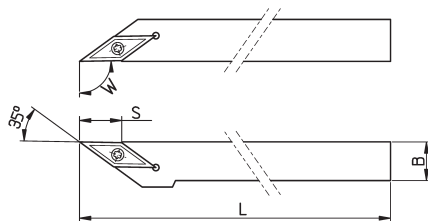
Insert Holders for 35° Turning Inserts

Freiwinkel 5°

Clearance angle 5°

Ausführung rechts "R"
Version right

**Ausführung links
 Plattensitz verstärkt "L...X"**
*Version left,
 reinforced*



Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
SVABR/L 1010K11	10 x 10	125	11	VBGT1103.. VBMT1103..	T8	A02-25060
SVABR/L 1010M11	10 x 10	150	11			
SVABR/L 1212K11	12 x 12	125	11			
SVABR/L 1212M11	12 x 12	150	11			
SVABR/L 1616H11	16 x 16	100	11			
SVABR/L 1616K11	16 x 16	125	12			
SVABR/L 1212KX16	12 x 12	125	16	VBGT1604.. VBMT1604..	T15	A02-40085
SVABR/L 1212MX16	12 x 12	150	16			A02-40085
SVABR/L 1616H16	16 x 16	100	16			A02-40105
SVABR/L 1616K16	16 x 16	125	16			A02-40105
SVABR/L 2020K16	16 x 16	125	16			A02-40105

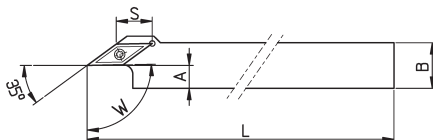
Wendeplattenhalter versetzt für 35°-Kopierplatte

Insert Holders offset for 35° Turning Inserts

Freiwinkel 7°

Clearance angle 7°

Ausführung
rechts "R"
Version right



Bestell-Nr. order-no.	B	L	S	A	W	Platten inserts	Schlüssel spanner	Schraube screw
SVACR/L 1010KV11	10 x 10	125	11	8	91	VCGT1103.. VCMT1103..	T8	A02-25060
SVACR/L 1010MV11	10 x 10	150	11	8	91			
SVACR 1212KW11	12 x 12	125	11	13,5	91			
SVACR/L 1212KV11	12 x 12	125	11	8	91			
SVACR/L 1212MV11	12 x 12	150	11	8	91			
SVACR/L 1212MW11	12 x 12	150	11	12	91			
SVACR/L 1616HV11	16 x 16	100	11	8	91			
SVACR/L 1616KV11	16 x 16	125	11	8	91			
SVJCR/L 1616KV11	16 x 16	125	11	9	93			
SVACR/L 1212KV13	12 x 12	125	13	8	91	VCMT1303..	T9	A02-W3082
SVACR/L 1212MV13	12 x 12	150	13	8	91			
SVACR/L 1212KW13	12 x 12	125	13	12	91			
SVACR/L 1212MW13	12 x 12	150	13	12	91			
SVACR/L 1616KW13	16 x 16	125	13	16	91			
SVACR 1616MW13	16 x 16	150	13	14	91			

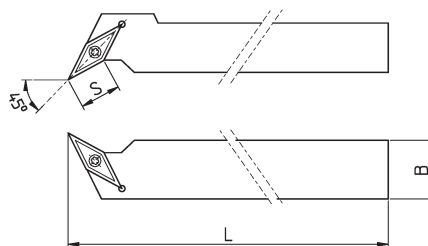
Wendeplattenhalter für 35°-Kopierplatte

Insert Holders for 35° Turning Inserts

Freiwinkel 5°

Clearance angle 5°

Ausführung rechts
Plattensitz verstärkt "R...X"
Version right,
reinforced



Ausführung links "L"
Version left



10

Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
SVQBR/L 1010KX11	10 x 10	125	11	VBGT1103..	T8	A02-25060
SVQBR/L 1010MX11	10 x 10	150	11			
SVQBR/L 1212KX11	12 x 12	125	11			
SVQBR/L 1212MX11	12 x 12	150	11			
SVQBR/L 1616H11	16 x 16	100	11			
SVQBR 1616K11	16 x 16	125	11			
SVQBR/L 1616H16	16 x 16	100	16	VBGT1604.. VBMT1604..	T15	A02-40105
SVQBR/L 1616K16	16 x 16	125	16			
SVQBR/L 2020K16	20 x 20	125	16			
SVQBR/L 2020M16	20 x 20	150	16			
SVQBR/L 2525K16	25 x 25	125	16			
SVQBR/L 2525M16	25 x 25	150	16			

Wendeplattenhalter für 35°-Kopierplatte

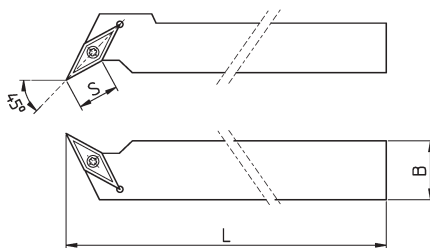
Insert Holders for 35° Turning Inserts

Freiwinkel 7°

Clearance angle 7°

Ausführung rechts
Plattensitz verstärkt "R...X"
Version right,
reinforced

Ausführung links "L"
Version left



Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
SVQCR/L 1010KX11	10 x 10	125				
SVQCR/L 1010MX11	10 x 10	150				
SVQCR 1212KX11	12 x 12	125				
SVQCL 1212K11	12 x 12	125				
SVQCL 1212M11	12 x 12	150	11	VCGT1103..	T8	A02-25060
SVQCR/L 1212KX11	12 x 12	125				
SVQCR/L 1212MX11	12 x 12	150				
SVQCR/L 1616H11	16 x 16	100				
SVQCR/L 1616K11	16 x 16	125				
SVQCR/L 1010KX13	10 x 10	125				
SVQCR/L 1010MX13	10 x 10	150				
SVQCR/L 1212KX13	12 x 12	125				
SVQCR/L 1212MX13	12 x 12	150	13	VCGT1303.. VCMT1303..	T9	A02-W3082
SVQCR/L 1616H13	16 x 16	100				
SVQCR/L 1616K13	16 x 16	125				
SVQCR/L 2020K13	20 x 20	125				
SVQCR 2020M13	20 x 20	150				
SVQCR/L 2020K16	20 x 20	125				
SVQCR/L 2020M16	20 x 20	150	16	VCMT1604.. VCGT1604..	T15	A02-40105
SVQCR/L 2525K16	25 x 25	125				
SVQCR/L 2525M16	25 x 25	150				

Wendeplattenhalter für 35°-Kopierplatte

Insert Holders for 35° Turning Inserts

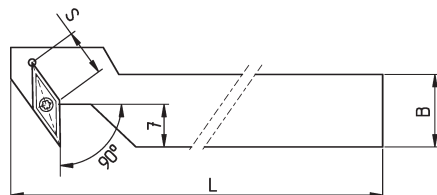
Freiwinkel 7°

Clearance angle 7°

Anwendungsbeispiel: Kopieren von Innenradien (Innenhalbkugel)

Example of use: copy of inside radius (inside hemisphere)

Ausführung rechts "R"
Version right



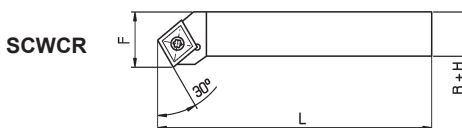
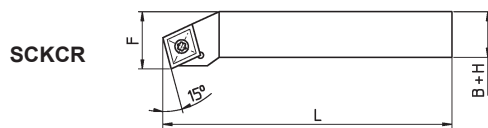
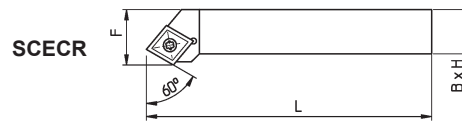
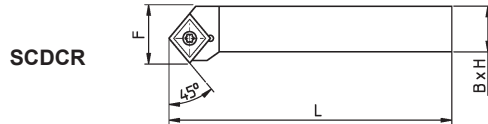
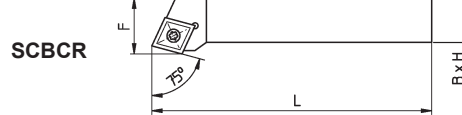
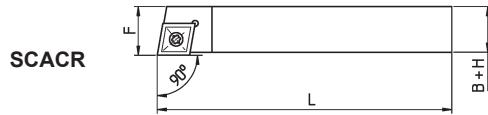
Bestell-Nr. order-no.	B	L	S	Platten inserts	Schlüssel spanner	Schraube screw
SVUCR/L 1010KX11	10 x 10	125	11	VCGT1103..	T8	A02-25060
SVUCR/L 1010MX11	10 x 10	150	11	VCGT1103..	T8	A02-25060
SVUCR/L 1212KX11	12 x 12	125	11	VCGT1103..	T8	A02-25060
SVUCR/L 1212MX11	12 x 12	150	11	VCGT1103..	T8	A02-25060

Wendeplattenhalter für 80°- Drehplatte
für Pfiffner / Hydromat

Insert Holders for 80° Turning Inserts
for Pfiffner / Hydromat

Freiwinkel 7° - Lang- und Plandrehen, Anfasen

Clearance angle 7° - Plain and face turning, chamfer



Bestell-Nr. order-no.	B	H	L	F	Platten inserts	Schlüssel spanner	Schraube screw
SCACR 1212D06	12	12	45	12	CCMT 602..	T8	A02-25060
SCACR 1210D06	10	12	45	10,5	CCMT 602..	T8	A02-25060
SCACR 1212D09	12	12	50	13	CCMT09T3..	T15	A02-40105
SCBCR 1212D06	12	12	45	12,5	CCMT 602..	T8	A02-25060
SCBCR 1212D09	12	12	50	15	CCMT09T3..	T15	A02-40105
SCDCR 1212D06	12	12	45	12,5	CCMT 602..	T8	A02-25060
SCDCR 1212D09	12	12	50	15	CCMT09T3..	T15	A02-40105
SCECR 1212D06	12	12	45	12,5	CCMT 602..	T8	A02-25060
SCECR 1212D09	12	12	50	15	CCMT09T3..	T15	A02-40105
SCKCR 1212D06	12	12	45	12,5	CCMT 602..	T8	A02-25060
SCKCR 1212D09	12	12	50	15	CCMT09T3..	T15	A02-40105
SCWCR 1212D06	12	12	45	12,5	CCMT 602..	T8	A02-25060
SCWCR 1212D09	12	12	50	15	CCMT09T3..	T15	A02-40105

10.2

Höhenverstellbare Wendeplattenhalter

Height Adjustable Back Working Holders

10

Wendeplattenhalter Insert Holders

BRITSCH
Spannzeuge GmbH

Technische Informationen

Technical Informations

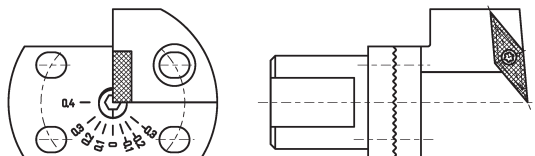
Geeignet u.a. für Langdreher-Rückseitenbearbeitung und Linearschlitten.

Suitable for Swiss-Lathes backside working.

Durch Einstellmöglichkeit der Spitzenhöhe auch zum Drehen kleinster Durchmesser

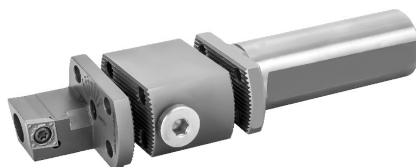
Smallest turning diameter possible as a result of height adjustment option.

Exakte
Höheneinstellung
+/- 0,4 mm mit Skala,
Teilung je 0,1 mm



*Exact height
adjustment
+/- 0,4 mm with scale,
step 0,1 mm*

Systemaufbau



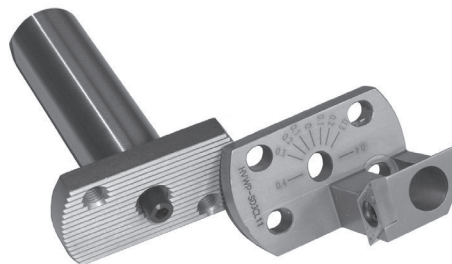
system design:

Eine Vielzahl an unterschiedlichen Ausführungen:

A multitude of different types:

Köpfe mit
Standard-
wendeschneidplatten
Gewindeschneidplatten
Einsteichschneidplatten
"BIMU"

Köpfe für
Wendeplattenhalter
Zangenspannfutter
Halter für
IFANGER,
PICCO und
HORN Einsätze



*tops with
standard inserts
threading inserts
"BIMU" inserts
tops for
insert holders
collet holders
holders for
IFANGER,
PICCO and
HORN inserts*

- 1 - 2 Schäfte für Höhenverstellbare Wendeplattenhalter
Height Adjustable Backworking Holders, Shanks
- 3 Distanzplatten für Höhenverstellbare Wendeplattenhalter
Height Adjustable Backworking Holders, Spacer Plates
- 4 Höhenverstellbare Wendeplattenhalter für BIMU-Platten
Height Adjustable Backworking Holders, for BIMU-040 Inserts
- 5 Höhenverstellbare Wendeplattenhalter für ER16-Gewindeplatten
Height Adjustable Backworking Holders, for Threading Inserts ER16
- 5 Höhenverstellbare Wendeplattenhalter, STJ
Height Adjustable Backworking Holders, STJ
- 6 Höhenverstellbare Wendeplattenhalter, SCL / SDN
Height Adjustable Backworking Holders, SCL/ SDN
- 7 Höhenverstellbare Wendeplattenhalter, SDJ / SVN
Height Adjustable Backworking Holders, SDJ / SVN
- 8 Höhenverstellbare Wendeplattenhalter, SVV / SVU / SVQ
Height Adjustable Backworking Holders, SVV / SVU / SVQ
- 9 Höhenverstellbare Wendeplattenhalter, SVJ / SVZ
Height Adjustable Backworking Holders, SVJ / SVZ
- 9 Ersatzteile für Höhenverstellbare Wendeplattenhalter
Height Adjustable Backworking Holders, Spare Parts
- 10 Aufnahmen f. Wendeplattenhalter 10x10 und 12x12
Tool holder for Insert Tool Holders 10 x 10 and 12 x12
- 11 Zangenaufnahmen ER11 und ER16
Collet Holders ER11 and ER16
- 11 MICRO-TURN-Halter (IFANGER)
MICRO TURN Holder System IFANGER
- 11 Halter und Einsatzhülsen für ISCAR PICCO CUT
Holder and Insert Sleeves for ISCAR PICCO CUT
- 12 Halter für HORN Schneidplatten 105 / 110
Holder for HORN Inserts 105 / 110
- 13 Mehrfachhalter für Zylinderschäfte
Double and Triple Holders for Holders with Cylinder Shanks

10.2

Höhenverstellbare Wendeplattenhalter

Height Adjustable Back Working Holders

10

Wendeplattenhalter Insert Holders

BRITSCH
Spannzeuge GmbH

Technische Informationen

Technical Informations

Viele Schäfte mit axialer und tangentialer Anschlussmöglichkeit für Kühlmittelzufuhr, der Kühlmittelansatz erfolgt dann direkt an die Werkzeugschneide.



Many shank types with axial and tangential coolant inlet. Coolant effect directly at the insert.

Für Schäfte ohne direkten Kühlmittelanschluss sind Distanzplatten mit Kühlmittelanschluss verwendbar

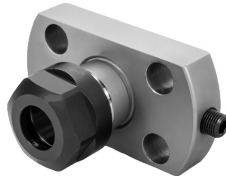


For shanks without coolant inlet distance plates with coolant inlets are useable.

Anwendungsbeispiele:

samples of applications:

Kopf mit ER Zangespannfutter



holder with ER collet

Halter mit "BIMU"-Platte



holder with "BIMU" insert

Bei Schäften mit tieferen Taschen für die Befestigungsschrauben, kann der Halter ohne Lösen des Kopfes abgeschraubt werden



Insert holders on shanks with deeper slots for the screws can be disassembled without unscrew the shank.

Höhenverstellbare Wendeplattenhalter Schäfte

Height Adjustable Backworking Holders Shanks

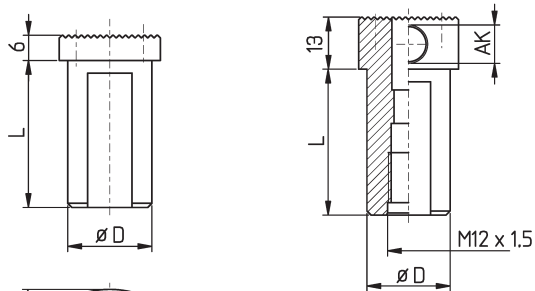


Bild 1

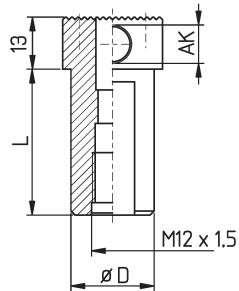


Bild 2

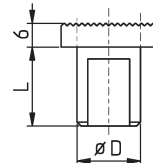
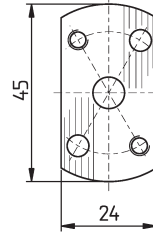
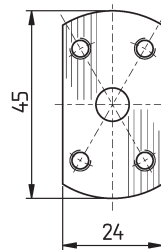
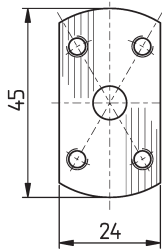


Bild 3



Standardschaft
Standard shank



Standardschaft mit innerer
Kühlmittelzufuhr (AK / IK)
Standard shank with inner
coolant (AK / IK)

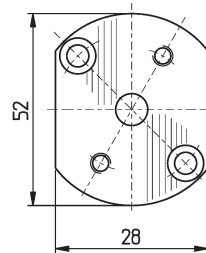
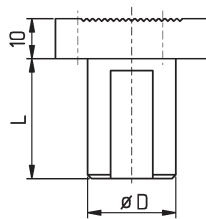


Bild 4

Bestell-Nr. order-no.	D	L	Bild	AK	Maschine machine
HVD1660	16	60	1	--	
HVD1960	3/4"	60	1	--	CITIZEN L20/C16
HVD2060	20	60	1	--	CITIZEN B12
HVD2060AK1	20	60	2	G1/8"	
HVD2080	20	80	1	--	
HVD20125	20	125	1	--	TORNOS DECO
HVD2270	22	70	1	--	STAR
HVD2270AK2	22	70	2	M8x1	STAR
HVD22100	22	100	1	--	STAR
HVD2560	25	60	1	--	
HVD2560AK1	25	60	2	G1/8"	
HVD25100	25	100	1	--	MANURHIN Swing
HVD25120	25	125	1	--	TORNOS DECO
HVD2670	1"	70	1	--	CITIZEN M/C32
HVD2885	28	85	1	--	TRAUB TNL 12/16
HVD2885AK1	28	85	2	G1/8"	TRAUB TNL 12/16 mit direkter Kühlmittelezuf.
HVD1620SR	16	20	3	--	STAR SR16 SST16
HVD2225SR	22	25	4	--	STAR SR32
HVD2225SRWD	22	25	4	--	STAR SR32

AK: Mit direkter Kühlmittelezuführung an die Schneide
Weiter Schäfte mit AK auf Anfrage

IK: with inner coolant
More shanks with inner coolant on request

10.2 - 2

Höhenverstellbare Wendeplattenhalter

Height Adjustable Back Working Holders

10

Wendeplattenhalter Insert Holders

BRITSCH
Spannzeuge GmbH

Höhenverstellbare Wendeplattenhalter
Schäfte

Height Adjustable Backworking Holders
Shanks

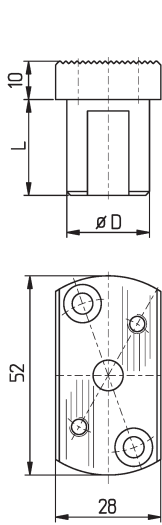


Bild 5

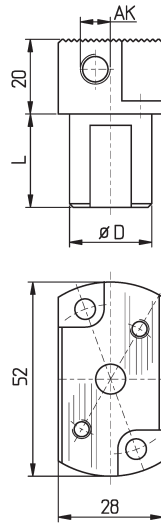


Bild 6 #

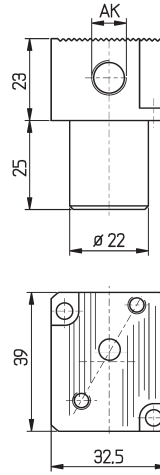


Bild 7 #

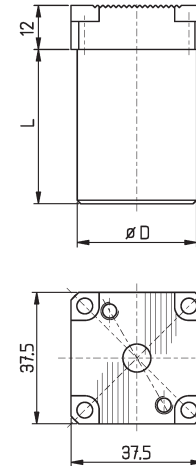


Bild 8

Bestell-Nr. order-no.	D	L	Bild	AK	Maschine machine
HVD2225SRR	22	25	5	--	STAR SR20R / ECAS12/20
HVD2225SRRAK2	22	25	6	M8x1	SR20J
HVD2225SWAK1*	22	25	7	G1/8"	STAR SW20
HVD3045	30	45	8	--	MAIER Wehingen
HVD3419	34	19,5	8	--	MAIER Wehingen
HVD3444	34	44	8	--	MAIER/STAR ECAS
HVD3444S	34	44	8	--	STAR Linearschlitten SR/SV

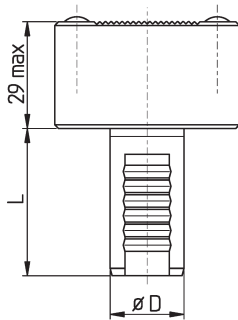


Bild 9

Halter können ohne Lösen des Kopfes an- bzw. abgeschraubt werden, vgl.
Techn. Informationen zu Beginn des Kapitels
*Holder can be screwed or unscrewed without removing the head, see technical
informations at the beginning of the chapter*
* nicht höhenverstellbar - *not high adjustable*

VDI-Schäfte DIN 69880

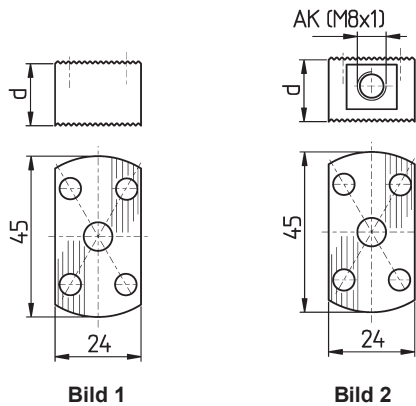
VDI Shanks

Bestell-Nr. order-no.	D	B	Bild
HVD-V16	16	45	9
HVD-V20	20	50	9
HVD-V25	25		9

10

Höhenverstellbare Wendeplattenhalter
Distanzplatten

Height Adjustable Backworking Holders
Spacer Plates



Bestell-Nr. order-no.	D	Bild
HVD10S	10	1
HVD15S	15	1
HVD20S	20	1
HVD25S	25	1
HVD30S	30	1

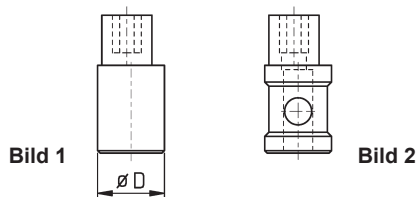
Mit Kühlmittelanschluss with inner coolant		
HVD15S-AK1	15	2
HVD20S-AK1	20	2
HVD25S-AK1	25	2
HVD30S-AK1	30	2

Incl. Schrauben und Exzenterbolzen zur Höheneinstellung

Supplied with screws and eccentric bolt for height adjustment

Höhenverstellbare Wendeplattenhalter
Exzenterbolzen

Height Adjustable Backworking Holders
Eccentric bolt



Bestell-Nr. order-no.	D	Bild
HWWP-EXC	8	1
HWWP-EXC-IK	8	2

10.2 - 4

Höhenverstellbare Wendeplattenhalter

Height Adjustable Back Working Holders

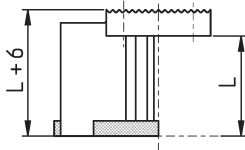
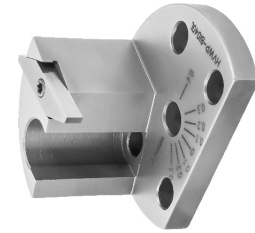
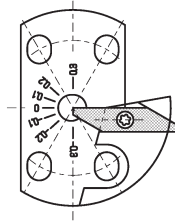
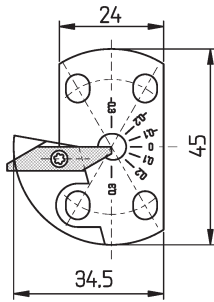
10

Wendeplattenhalter Insert Holders

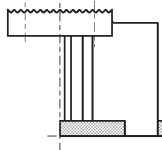
BRITSCH
Spannzeuge GmbH

Höhenverstellbare Wendeplattenhalter
für BIMU-040 - Platten

Height Adjustable Backworking Holders
for BIMU-040 Inserts



Ausführung links
Version left

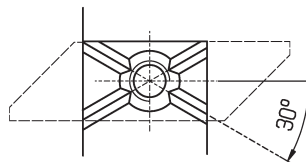
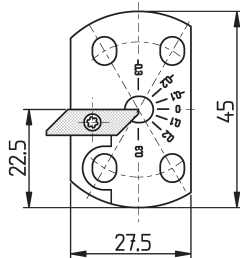


Ausführung rechts
Version right

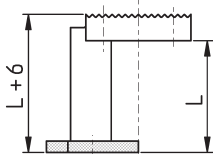
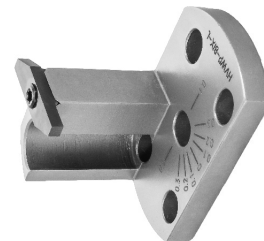
Bestell-Nr. order-no.	Ausf. type	Platten inserts	L
HVWP-BI040R	rechts - <i>right</i>	BIMU-040	23
HVWP-BI040L	links - <i>left</i>	BIMU-040	23

Höhenverstellbare Wendeplattenhalter
für BIMU-X - Platten

Height Adjustable Backworking Holders
for BIMU-X Inserts



BIMU-X Plattensitz



Ausführung links
Version left

Bestell-Nr. order-no.	Ausf. type	Platten inserts	L
HVWP-BIX-R	rechts - <i>right</i>	BIMU-X	25,6
HVWP-BIX-L	links - <i>left</i>	BIMU-X	25,6
HVWPL-BIX-R	rechts - <i>right</i>	BIMU-X	42,6
HVWPL-BIX-L	links - <i>left</i>	BIMU-X	42,6

10

Höhenverstellbare Wendeplattenhalter für Gewindeplatten ER16

Height Adjustable Backworking Holders for Threading Inserts ER16

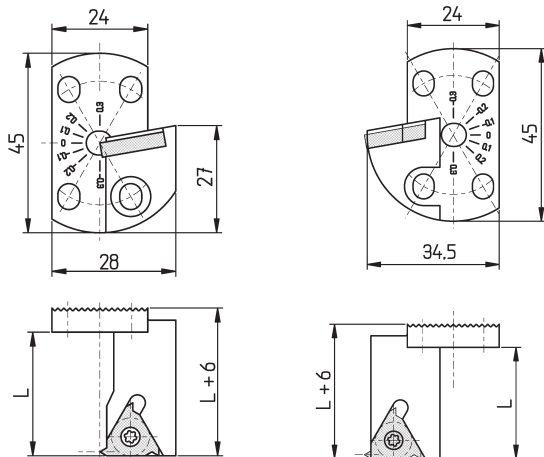


Bild 1
(Ausführung rechts)
(Version right)

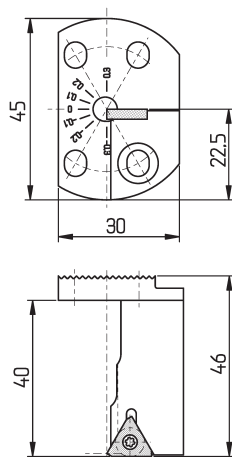
Bild 2
(Ausführung rechts außen)
(Version right external)

Platten - *inserts*: ER16 ISO

Bestell-Nr. order-no.	Ausf. type		L	Bild
HVWP-ER16-0	rechts - <i>right</i>	0°	31	1
HVWP-ER16-15	rechts - <i>right</i>	1,5°	31	1
HVWP-ER16-3	rechts - <i>right</i>	3°	31	1
HVWPL-ER16-0	rechts - <i>right</i>	0°	40	1
HVWPL-ER16-15	rechts - <i>right</i>	1,5°	40	1
HVWPL-ER16-3	rechts - <i>right</i>	3°	40	1
HVWPA-ER16-0	rechts - <i>right</i>	0°	31	2
HVWPA-ER16-15	rechts - <i>right</i>	1,5°	31	2
HVWPA-ER16-3	rechts - <i>right</i>	3°	31	2
HVWPLA-ER16-15	rechts - <i>right</i>	1,5°	40	2
HVWPL-EL16-15 für Linksgewinde <i>for left hand thread</i>	links - <i>left</i>	1,5°	40	--

Höhenverstellbare Wendeplattenhalter Typ STJC

Height Adjustable Backworking Holders Type STJC



Ausführung rechts
Version right

Bestell-Nr. order-no.	Ausf. type	Platten <i>inserts</i>	L
HVWPL-STJCR11	rechts - <i>right</i>	TC..1102	40
HVWPL-STJCL11	links - <i>left</i>	TC..1102	40

10.2 - 6

Höhenverstellbare Wendeplattenhalter

Height Adjustable Back Working Holders

10

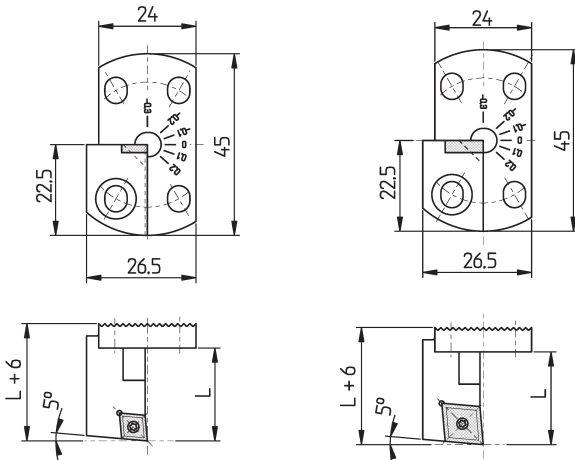
Wendeplattenhalter Insert Holders

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Höhenverstellbare Wendeplattenhalter Typ SCLC

Height Adjustable Backworking Holders Type SCLC



SCLCL06
(Ausführung links)
(Version left)

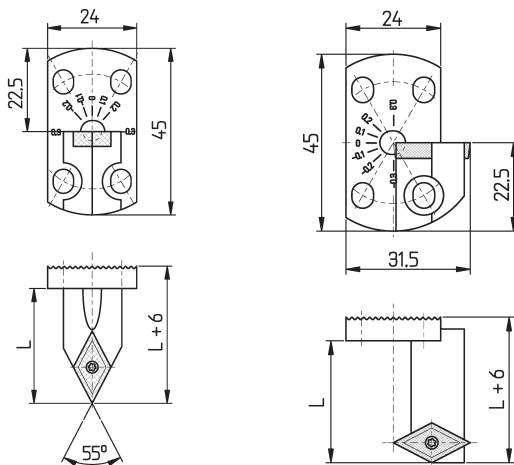
SCLCL09
(Ausführung links)
(Version left)



Bestell-Nr. order-no.	Ausf. type	Platten inserts	L
HVWP-SCLCR06	rechts - <i>right</i>	CC--0602	23
HVWP-SCLCL06	links - <i>left</i>	CC--0602	23
HVWP-SCLCR09	rechts - <i>right</i>	CC--09T3	23
HVWP-SCLCL09	links - <i>left</i>	CC--09T3	23

Höhenverstellbare Wendeplattenhalter Typ SDNC

Height Adjustable Backworking Holders Type SDNC



SDNCN11

SDNCR11
(Ausführung rechts)
(Version right)

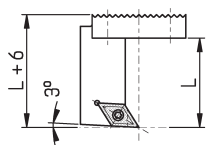
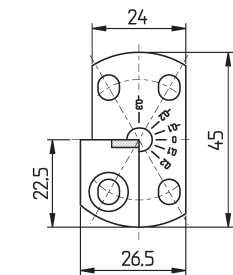


Bestell-Nr. order-no.	Ausf. type	Platten inserts	L
HVWP-SDNCN11	mittig - <i>centered</i>	DC--11T3	23
HVWPL-SDNCR11	rechts - <i>right</i>	DC--11T3	40
HVWPL-SDNCL11	links - <i>left</i>	DC--11T3	40

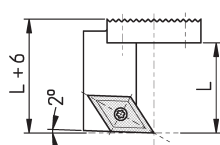
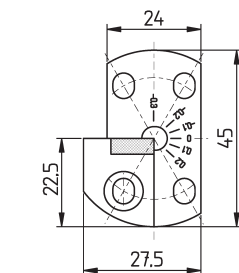
10

Höhenverstellbare Wendeplattenhalter Typ SDJC

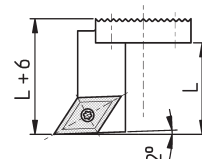
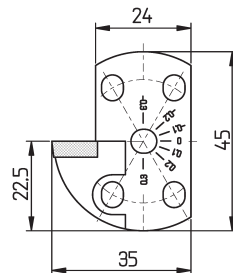
Height Adjustable Backworking Holders Type SDJC



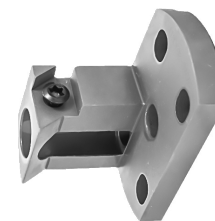
SDJCL07
(Ausführung links)
(Version left)



SDJCL11
(Ausführung links)
(Version left)



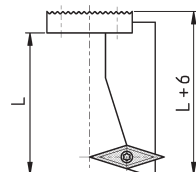
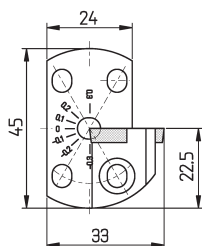
HWWPA-SDJCR11
(Ausführung rechts außen)



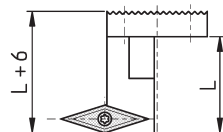
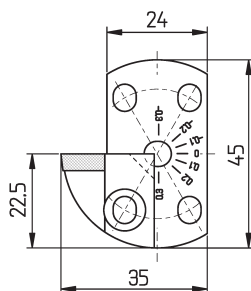
Bestell-Nr. order-no.	Ausf. type	Platten inserts	L
HVWP-SDJCR06	rechts - <i>right</i>	DC--0602	23
HVWP-SDJCR07	rechts - <i>right</i>	DC--0702	23
HVWP-SDJCL07	links - <i>left</i>	DC--0702	23
HVWPL-SDJCR07	rechts - <i>right</i>	DC--0702	40
HVWPL-SDJCL07	links - <i>left</i>	DC--0702	40
HVWP-SDJCR11	rechts - <i>right</i>	DC--11T3	23
HVWP-SDJCL11	links - <i>left</i>	DC--11T3	23
HVWPL-SDJCR11	rechts - <i>right</i>	DC--11T3	40
HVWPL-SDJCL11	links - <i>left</i>	DC--11T3	40
HWWPA-SDJCR11	rechts - <i>right</i>	DC--11T3	23
HWWPA-SDJCL11	links - <i>left</i>	DC--11T3	23

Höhenverstellbare Wendeplattenhalter Typ SVNC

Height Adjustable Backworking Holders Type SVNC



SVNCR11
(Ausführung rechts)
(Version right)



HWWPA-SVNCR11
(Ausführung rechts außen)
(Version right external)



Bestell-Nr. order-no.	Ausf. type	Platten inserts	L
HVWPL-SVNCR11	rechts - <i>right</i>	VC..1103	40
HVWPL-SVNCL11	links - <i>left</i>	VC..1103	40
HWWPA-SVNCR11	rechts - <i>right</i>	VC..1103	23
HWWPA-SVNCL11	links - <i>left</i>	VC..1103	23

10.2 - 8

Höhenverstellbare Wendeplattenhalter

Height Adjustable Back Working Holders

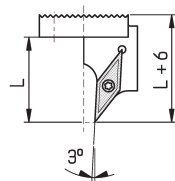
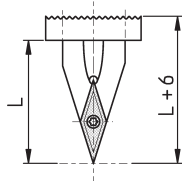
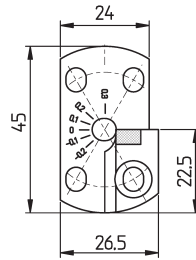
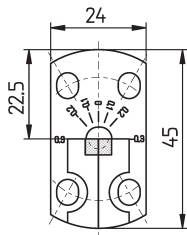
10

Wendeplattenhalter Insert Holders

BRITSCH
Spannzeuge GmbH

Höhenverstellbare Wendeplattenhalter Typ SVVC, SVUC

Height Adjustable Backworking Holders Type SVVC, SVUC



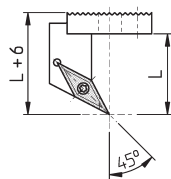
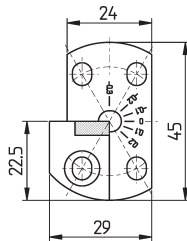
SVVCN11

SVUCR11
(Ausführung rechts)
(Version right)

Bestell-Nr. order-no.	Ausf. type	Platten inserts	L
HWWP-SVVCN11	neutr - <i>centered</i>	VC..1103	31
HWWP-SVUCR11	rechts - <i>right</i>	VC..1103	23
HWWP-SVUCL11	links - <i>left</i>	VC..1103	23

Höhenverstellbare Wendeplattenhalter Typ SVQC

Height Adjustable Backworking Holders Type SVQC



Ausführung links
(Version left)

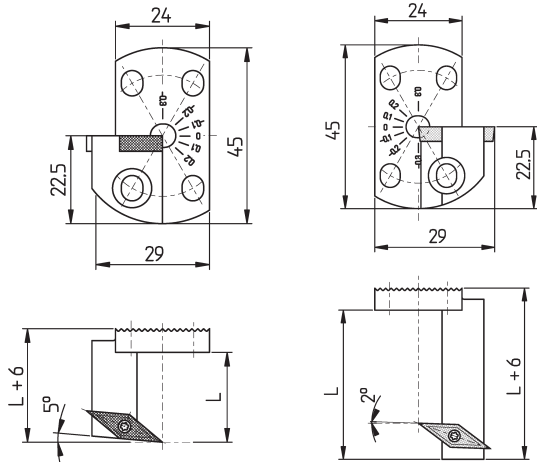


Bestell-Nr. order-no.	Ausf. type	Platten inserts	L
HWWP-SVQCR11	rechts - <i>right</i>	VC..1103	23
HWWP-SVQCL11	links - <i>left</i>	VC..1103	23
HWWPL-SVQCR11	rechts - <i>right</i>	VC..1103	40
HWWPL-SVQCL11	links- <i>left</i>	VC..1103	40

10

Höhenverstellbare Wendeplattenhalter
Typ SVJB, SVJC, SVJP, SVZC

Height Adjustable Backworking Holders
Type SVJB, SVJC, SVJP, SVZC



SVJCL11
(Ausführung links)
(Version left)

SVZCR11
(Ausführung rechts)
(Version right)



Bestell-Nr. order-no.	Ausf. type	Platten inserts	L
HVWP-SVJBR11	rechts - <i>right</i>	VB..1103	23
HVWP-SVJBR1102	rechts - <i>right</i>	VB..1102	23
HVWP-SVJCR11	rechts - <i>right</i>	VC..1103	23
HVWP-SVJCL11	links - <i>left</i>	VC..1103	23
HVWPL-SVJCR11	rechts - <i>right</i>	VC..1103	40
HVWPL-SVJCL11	links - <i>left</i>	VC..1103	40
HVWPL-SVJPR10	rechts - <i>right</i>	VPGT 10	40
HVWPL-SVZCR11	rechts - <i>right</i>	VC..1103	40

Höhenverstellbare Wendeplattenhalter
Ersatzteile

Height Adjustable Backworking Holders
Spare Parts

Wendeplattentyp insert type	Schlüssel / Best.-Nr. spanner / order-no.	Schraube / Best.-Nr. screw / order-no.
CC-- 0602--	T8	A02-25060
CC--09T3--	T15	A02-40105
DC--0702--	T8	A02-25060
DC--11T3--	T15	A02-40105
VC--1103--	T8	A02-25060
TC--1103--	T8	A02-25060
BIMU040	T8	A02-25060
BIMU-X	T9	A02-W3082
Gew. Platten ER16	T9	A02-30100

10.2 - 10

Höhenverstellbare
Wendeplattenhalter

Height Adjustable Back Working Holders

10

Wendeplattenhalter
Insert Holders

BRITSCH
Spannzeuge GmbH

Höhenverstellbare Werkzeugsysteme
Aufnahme für Wendeplattenhalter
10 x 10 und 12 x 12

Height Adjustable Backworking Holders
Mounting for Insert Tool Holders
10 x 10 and 12 x 12

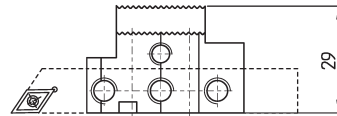
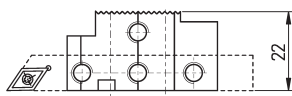
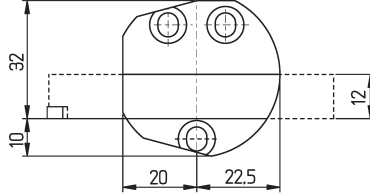
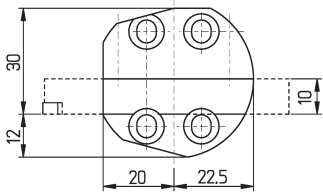


Bild 1 R + L + überkopf einsetzbar
Useable r., l. + overhead

Bild 2: R + L + überkopf einsetzbar
Useable r., l. + overhead

Bestell-Nr. order-no.	Für Schaft for shank	Bild
HVWP-1010	10 x 10	1
HVWP-1212	12 x 12	2

Höhenverstellbare Werkzeugsysteme
Zangenspannfutter ER 11, ER16

Height Adjustable Backworking Holders
Collet Holders ER 11, ER16

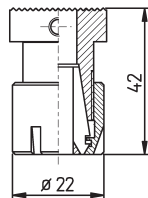
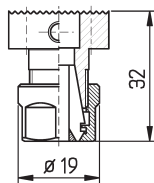
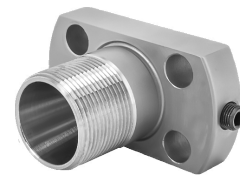
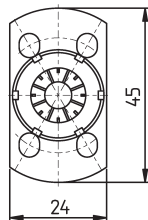
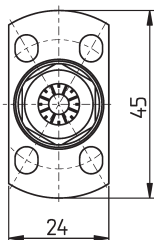


Bild 1

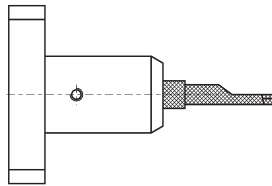
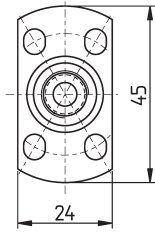
Bild 2

Bestell-Nr. order-no.	Ausf. / Spannbereich type / range	Bild
HVWP-ER11	ER11 / 0,5-7mm	1
HVWP-ER16	ER16 / 1-10mm	2

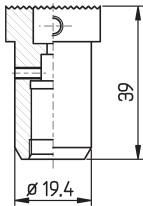
10

Höhenverstellbare Werkzeugsysteme
MICRO TURN- Halter System Ifanger

Height Adjustable Backworking Holders
MICRO TURN- Holder System Ifanger



Anwendungsbeispiel
Sample of application



Bestell-Nr. order-no.	Für Schaft for shank
HVWP-IF4	Ifanger 4mm
HVWP-IF6	Ifanger 6mm

Höhenverstellbare Werkzeugsysteme
Halter für ISCAR PICCO CUT Klingen

Height Adjustable Backworking Holders
Holders for ISCAR PICCO CUT Inserts

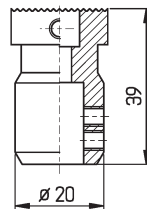
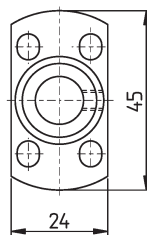
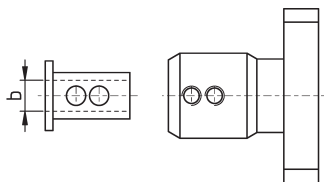


Bild 2:

Einsätze mit Bohrungs-Ø
d = 3 - 10 mm
Sockets with
bore-Ø d = 3 - 10 mm

Bild 1:
Halter - holder

Halter - Bild 1 holder	
Bestell-Nr. order-no.	
HVWP-PIC	

Einsatz - Bild 2 socket	
Bestell-Nr. order-no.	d
PIC3	3
PIC4	4
PIC5	5
PIC6	6
PIC7	7
PIC8	8
PIC10	10

10

Die PICCO-Einsätze sind auch für Bohrstangenaufnahmen "PICCO" einsetzbar - s. Kap. 8.2
PICCO-sockets are also used for boring bar sleeves - see chapter 8.2

10.2 - 12

Höhenverstellbare
Wendeplattenhalter

Height Adjustable Back Working Holders

10

Wendeplattenhalter
Insert Holders

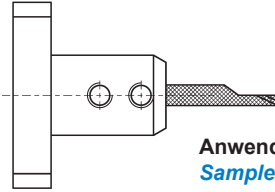
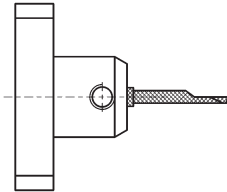
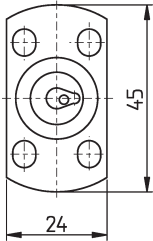
BRITSCH
Spannzeuge GmbH

Höhenverstellbare Werkzeugsysteme
Halter für HORN Schneidplatten

Height Adjustable Backworking Holders
Holders for HORN Inserts

Typ 105 + 105 mit verlängertem Spannschaft

Type 105 + 105 with Extended Clamping Shank



Anwendungsbeispiele
Samples of applications

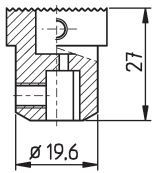


Bild 1

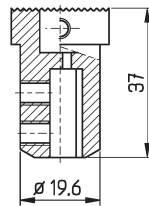
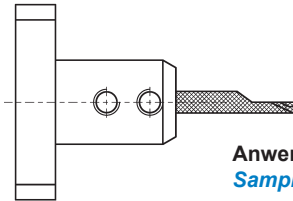
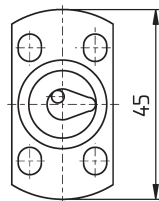


Bild 2

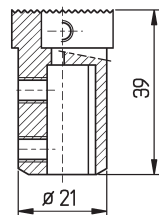
Bestell-Nr. order-no.	Für Schneidplatte Typ for insert type
HVWP-H105	105
HVWP-H105L	105 verlängert

Typ 110

Type 110



Anwendungsbeispiel
Sample of applications



Bestell-Nr. order-no.	Für Schneidplatte Typ for insert type
HVWP-H110	110

10

Höhenverstellbare Werkzeugsysteme
Doppel- und Dreifachhalter für
Zangenspannfutter ER11, ER16

Height Adjustable Backworking Holders
Double and Triple Holders for
Collet Holders ER 11, ER16

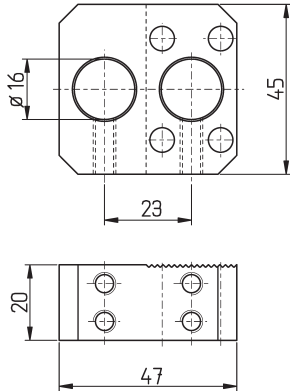


Bild 1

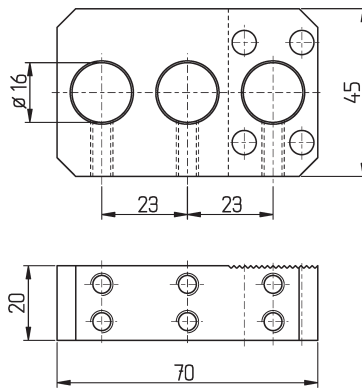


Bild 2

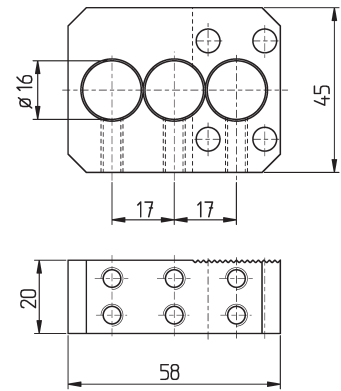
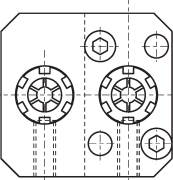
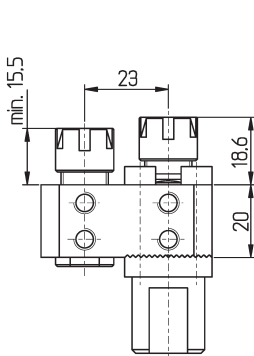


Bild 3

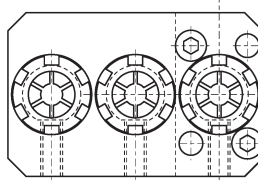
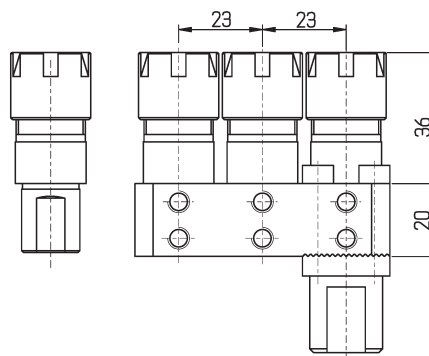
Bestell-Nr. order-no.	Für Einsätze for collet holders	Bild
HVWP-X2	EM111620, EM161620	1
HVWP-X3	EM111620, EM161620	2
HVWP-X3 17	EM111620	3

Anwendungsbeispiele

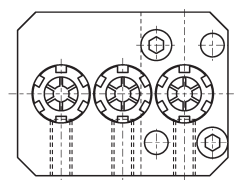
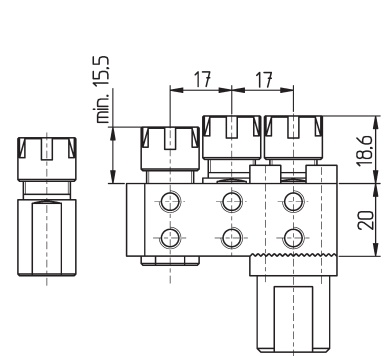
Samples of Applications



HVWP - X2
mit 2 Einsätzen EM111620
with 2 Collet holders EM111620
auch für EM161620, RB16 ...
also for EM161620, RB16 ...



HVWP - X3
mit 3 Einsätzen EM161620
with 3 Collet holders EM161620
auch für EM111620, RB16 ...
also for EM111620, RB16 ...



HVWP - X3 17
mit 3 Einsätzen EM111620
with 3 Collet holders EM111620
auch für RB16 ...
also for RB16 ...

Seite
Page

- 1 Platten für VHM-Bohrstangen
Inserts for Carbide Boring Bars
- 1 Halter für VHM-Bohrstangen
Holders for Carbide Boring Bars
- 2 VHM-Bohrstangen SWU / STF
Carbide Boring Bars, SWU / STF
- 3 VHM-Bohrstangen STU
Carbide Boring Bars, STU
- 4 VHM-Bohrstangen SCL / SDU
Carbide Boring Bars, SCL / SDU
- 5 VHM-Bohrstangen SDQ / SVU
Carbide Boring Bars, SDQ / SVU
- 6 VHM-Bohrstangen, Sätze
Carbide Boring Bars, Sets

Bohrstangen aus Voll-Hartmetall (VHM)

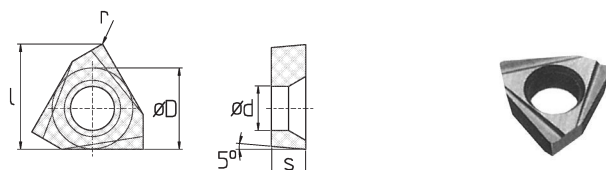
Carbide Boring Bars

- VHM-Bohrstangen mit Wendeschneidplatten, zur Innen- und Außenbearbeitung
- höchste Maßgenauigkeit und beste Oberflächengüte
- durch die Ausführung in VHM und durch Kühlmittelbohrungen zur Innenkühlung speziell für tiefe Bohrungen
- Bohr- \varnothing ab 5mm, Bohrtiefe bis 10 x D
- sehr gute Schwingungsdämpfung
- mit und ohne Halter verwendbar, unterschiedliche Halter mit div. Bohrstangen kombinierbar
- angeschliffene Fläche - kein Ausrichten erforderlich

- Carbide boring bars with inserts for internal and external machining
- Highest precision and surface quality
- Especially for deep bores
- Bore $\varnothing > 5\text{mm}$, drilling depth until 10xD
- Very good vibration damping
- Useable with and without holders
- Ground flat - no adjusting required

Verwendbare Platten z. B. WBG

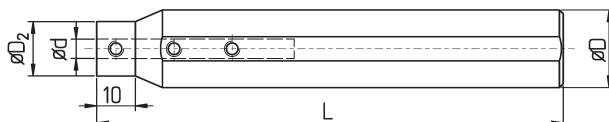
Usable Inserts e. g. WBG



Typ type	r	d	D	l	s
060102	0,2	2,2	3,97	5	1,59
060104	0,4	2,2	3,97	4,9	1,59

VHM - Bohrstangen Halter

Carbide Boring Bars Holders



Bestell-Nr. order-no.	D	D ₂	d	L
BSH16-45	16	15	4,5	100
BSH16-5	16	15	5	100
BSH16-6	16	15	6	100
BSH19-45	3/4"	18	4,5	125
BSH19-5	3/4"	18	5	125
BSH19-6	3/4"	18	6	125
BSH20-45	20	13	4,5	125
BSH20-5	20	14	5	125
BSH20-6	20	15	6	125
BSH22-45	22	13	4,5	125
BSH22-5	22	14	5	125
BSH22-6	22	15	6	125

10.3 - 2

VHM-Bohrstangen Carbide Boring Bars

10

Wendeplattenhalter Insert Holders

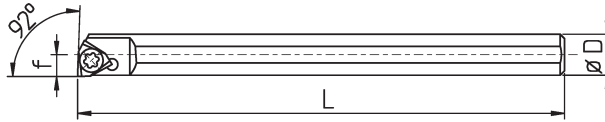
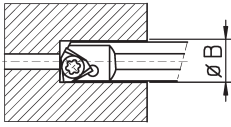
BRITSCH
Spannzeuge GmbH

VHM - Bohrstangen
auch mit Innenkühlung, für höchste Präzision

Carbide Boring Bars
also with inner coolant for highest precision

E...SWUB R/L

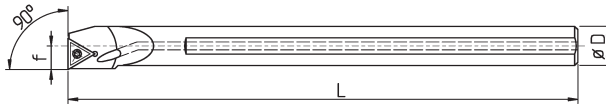
Freiwinkel 11° Clearance angle 11°



Bestell-Nr. order-no.	Platte insert	D	L	f	B	IK
BS-E05S-SWUBR/L	WBGT 0601	5	80	3	5,5	X
BS-E06S-SWUBR/L	WBGT 0601	6				X
BS-E07S-SWUBR/L	WBGT 0601	7				X

E...STFC R/L

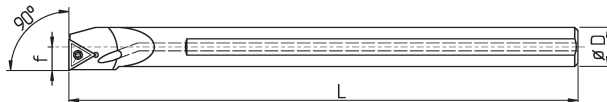
Freiwinkel 7° Clearance angle 7°



Bestell-Nr. order-no.	Platte insert	D	L	f	B	IK
BS-E08K-STFCR/L09	TC...T 0902	8	125	5,5	10	X
BS-E10M-STFCR/L09	TC...T 0902	10	150	6,5	12	X
BS-E12M-STFCR/L11	TC...T 1102	12	150	7,5	14	X
BS-E16R-STFCR/L16	TC...T 16T3	16	200	10,0	18	X
BS-E20S-STFCR/L16	TC...T 16T3	20	250	12,5	22	X
BS-E25T-STFCR/L16	TC...T 16T3	25	300	17,0	31,5	X

E...STFP R/L

Freiwinkel 11° Clearance angle 11°



Bestell-Nr. order-no.	Platte insert	D	L	f	B	IK
BS-E08K-STFPR/L08	TC...T 0802	8	125	5	10	X
BS-E10K-STFPR/L09	TC...T 0902	10	150	6	12	X
BS-E12M-STFPR/L11	TC...T 1102	12	180	7	14	X
BS-E16R-STFPR/L16	TC...T 16T3	16	200	10	20	X
BS-E20S-STFPR/L16	TC...T 16T3	20	250	12,5	25	X

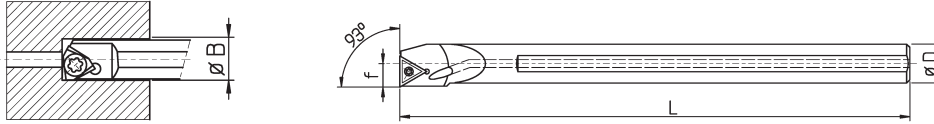
10

VHM - Bohrstangen
auch mit Innenkühlung, für höchste Präzision

Carbide Boring Bars
also with inner coolant for highest precision

E...STUB R/L

Freiwinkel 5° *Clearance angle 5°*



Bestell-Nr. order-no.	Platte insert	D	L	f	B	IK
BS-C06J-STUBR/L06	TB...0602	6	110			--

E...STUC R/L

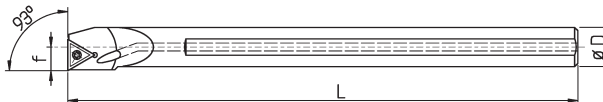
Freiwinkel 7° *Clearance angle 7°*



Bestell-Nr. order-no.	Platte insert	D	L	f	B	IK
BS-E08K-STUCR/L09	TC...T 0902	8	125	5,5	10	X
BS-E10K-STUCR/L09	TC...T 0902	10	125	6,5	12	X
BS-E10K-STUCR/L11	TC...T 1102	10	125	6,5	12	X
BS-E12M-STUCR/L11	TC...T 1102	12	150	7,5	14	X
BS-E16R-STUCR/L11	TC...T 1102	16	200	9,5	18	X
BS-E20R-STUCR/L11	TC...T 1102	20	200	11,5	22	X

E...STUP R/L

Freiwinkel 11° *Clearance angle 11°*



Bestell-Nr. order-no.	Platte insert	D	L	f	B	IK
BS-E10K-STUPR/L09	TC...T 0902	10	125	6,5	12	X
BS-E12M-STUPR/L09	TC...T 1102	12	150	7,5	14	X
BS-E12M-STUPR/L11	TC...T 1102	12	150	7,5	14	X
BS-E16R-STUPR/L11	TC...T 1102	16	200	9,5	18	X
BS-E20R-STUPR/L11	TC...T 1102	20	200	11,5	22	X

10.3 - 4

VHM-Bohrstangen Carbide Boring Bars

10

Wendeplattenhalter Insert Holders

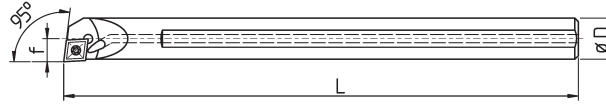
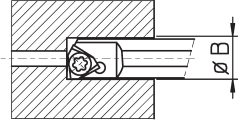
BRITSCH
Spannzeuge GmbH

VHM - Bohrstangen
auch mit Innenkühlung, für höchste Präzision

Carbide Boring Bars
also with inner coolant for highest precision

E...SCLC R/L

Freiwinkel 7° *Clearance angle 7°*

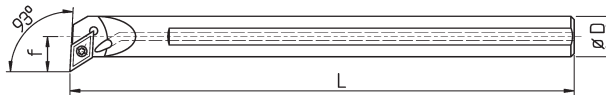


Bestell-Nr. order-no.	Platte insert	D	L	f	B	IK
BS-C04G-SCLCR03	CC...T 0301	4	90	2,5	5	--
BS-C05H-SCLCR03	CC...T 0301	5	100	3	6	--
BS-C06J-SCLCR04	CC...T 0401	6	110	3,5	7	--
BS-C07K-SCLCR/L04	CC...T 0401	7	125	4	8	--
BS-E08K-SCLCR/L06	CC...T 0602	8	125	5,5	10	X
BS-E10M-SCLCR/L06	CC...T 0602	10	150	6,5	12	X
BS-E12Q-SCLCR/L06	CC...T 0602	12	180	7,5	14	X
BS-E12Q-SCLCR/L09	CC...T 09T3	12	180	7,5	16	X
BS-E16R-SCLCR/L09	CC...T 09T3	16	200	10,0	20	X
BS-E20S-SCLCR/L09	CC...T 09T3	20	250	12,5	25	X
BS-E25T-SCLCR/L12	CC...T 1204	25	300	17,0	31,5	X



E...SDUC R/L

Freiwinkel 7° *Clearance angle 7°*



Bestell-Nr. order-no.	Platte insert	D	L	f	B	IK
BS-E10K-SDUCR/L07	DC...T 0702	10	125	7,0	14	X
BS-E10M-SDUCR/L07	DC...T 0702	10	150	7,0	14	X
BS-E12Q-SDUCR/L07	DC...T 0702	12	180	9,0	18	X
BS-E16R-SDUCR/L07	DC...T 0702	16	200	11,0	22	X
BS-E20S-SDUCR/L11	DC...T 11T3	20	250	14,0	26	X
BS-E25T-SDUCR/L11	DC...T 11T3	25	300	17,0	31,5	X

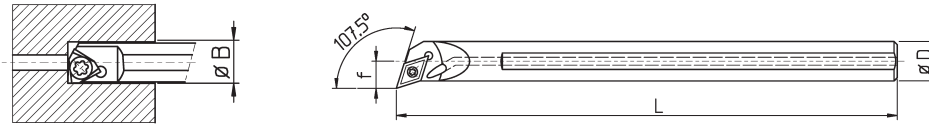
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VHM - Bohrstangen
auch mit Innenkühlung, für höchste Präzision

Carbide Boring Bars
also with inner coolant for highest precision

E...SDQC R/L

Freiwinkel 7° *Clearance angle 7°*

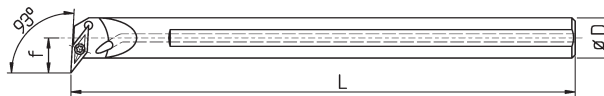


Bestell-Nr. order-no.	Platte insert	D	L	f	B	IK
BS-E10M-SDQCR/L07	DC...T 0702	10	150	7,0	13	X
BS-E12Q-SDQCR/L07	DC...T 0702	12	180	9,0	16	X
BS-E16R-SDQCR/L07	DC...T 0702	16	200	11,0	20	X
BS-E16R-SDQCR/L11	DC...T 11T3	16	200	11,0	21	X
BS-E20S-SDQCR/L11	DC...T 11T3	20	250	13,0	25	X
BS-E25T-SDQCR/L11	DC...T 11T3	25	300	17,0	31,5	X



E...SVUC R/L

Freiwinkel 7° *Clearance angle 7°*



Bestell-Nr. order-no.	Platte insert	D	L	f	B	IK
BS-E16R-SVUCR/L11	VC...T 1103	16	200	11	21	X
BS-E20R-SVUCR/L11	VC...T 1103	20	200	13	25	X
BS-E25S-SVUCR/L11	VC...T 1103	25	250	17	31,5	X

10.3 - 6
VHM-Bohrstangen
Carbide Boring Bars

10
Wendeplattenhalter
Insert Holders

BRITSCH
 Spannzeuge GmbH

VHM - Bohrstangen
Satz

Carbide Boring Bars
Set

E - SCLCR/L06 - Satz in Plastik-Box, mit Schraubendreher
set in plastic box incl. screwdriver

Bestell-Nr. order-no.	Satz bestehend aus set, includes	D	L
SET-E-SCLCR/L06	BS-E08K-SCLC R/L 06	8	125
	BS-E10K-SCLC R/L 06	10	125
	BS-E12M-SCLC R/L 06	12	150

E - SDUCR/L07 - Satz in Plastik-Box, mit Schraubendreher
set in plastic box incl. screwdriver

Bestell-Nr. order-no.	Satz bestehend aus set, includes	D	L
SET-E-SDUCR/L07	BS-E0810H-SDUC R/L 07	8	100
	BS-E10K-SDUC R/L 07	10	125
	BS-E12M-SDUC R/L 07	12	150



10

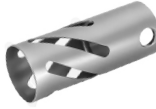
Revolving Ends



Spannhülsenlagerungen

11.1

Bar Feed Collets



Spannhülsen

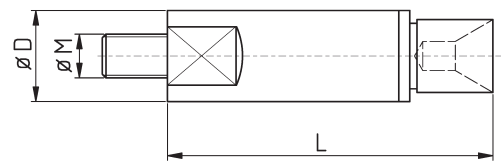
11.2

- 1 Drehende Enden
Revolving Ends for Manual Bar Feeders
- 1 Spannhülsenlagerung D7 für IEMCA
Revolving Ends for IEMCA Bar Feeders
- 2 Spannhülsenlagerungen für FMB, IEMCA, BREUNING IRCO, TRAUB
Revolving Ends for FMB, IEMCA, BREUNING IRCO, TRAUB
- 2 Spannhülsenlagerungen für LNS Mini-Sprint
Revolving Ends for LNS Mini-Sprint
- 3 Spannhülsenlagerungen Turbo für FMB, LNS, BREUNING IRCO
Revolving Ends Turbo for FMB, LNS, BREUNING IRCO
- 3 Spannhülsenlagerungen Turbo für TORNOS; Robobar
Revolving Ends for Turbo for TORNOS
- 4 Spannhülsenlagerungen für TORNOS; ROBOBAR
Revolving Ends for TORNOS; ROBOBAR
- 5 Spannhülsenlagerungen für BECHLER, TORNOS
Revolving Ends for BECHLER, TORNOS
- 5 Spannhülsenlagerungen für GAUTHIER, IEMCA, LNS
Revolving Ends for GAUTHIER, IEMCA, LNS
- 6 Spannhülsenlagerungen für TRAUB, FMB
Revolving Ends for TRAUB, FMB
- 6 Spannhülsenlagerungen für IEMCA
Revolving Ends for IEMCA
- 7 Spannhülsenlagerungen für IEMCA, BOSS
Revolving Ends for IEMCA, BOSS
- 8 Spannhülsenlagerungen für IEMCA, CUCCHI
Revolving Ends for IEMCA, CUCCHI
- 9 Fahnenstangen
Pushrods
- 9 Drehende Enden für Fahnenstangen
Revolving Ends for Pushrods

Drehende Enden
für manuellen Stangenvorschub / Hydraulikrohre

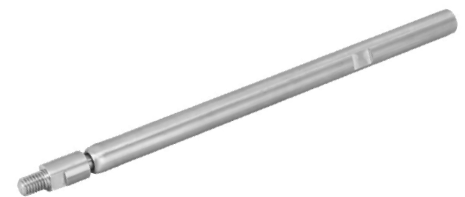
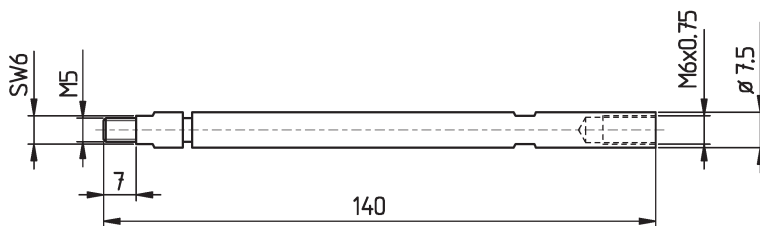
Revolving Ends
for Manual Bar Feeders

Bestell-Nr. order-no.	D	M	L
ESB0450	4,5	M3,5	35
ESB0550	5,5	M4	46
ESB0700	7	M5	52
ESB0750	7,5	M5	44
ESB0800	8	M5	52
ESB0850	8,5	M5	52
ESB0850L	8,5	M5	73
ESB1000	10	M6	49
ESB1100	11	M6	49
ESB1200	12	M6	49
ESB1400	14	M10	80
ESB1408	14	M8	80
ESB1500	15	M10	80
ESB1508	15	M8	80
ESB1600	16	M10	80
ESB1608	16	M8	80
ESB2000	20	M10	88
ESB2500	25	M12	108
ESB2800	28	M12	108
ESB3000	30	M12	108
ESB3200	32	M12	108
ESB3600	36	M12	108



Spannhülsenlagerungen
D7 für IEMCA

Revolving Ends
D7 for IEMCA Bar Feeders



Bestell-Nr. order-no.
SPHLD07I

11.1 - 2

Spannhülsenlagerungen Revolving Ends

11

Spannhülsenlagerungen
Spannhülsen
Revolving Ends
Bar Feed Collets

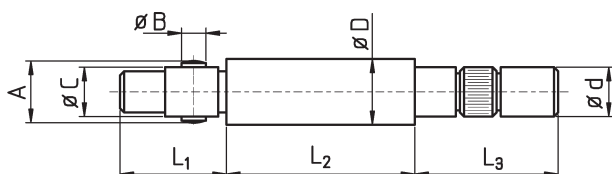
BRITSCH
Spannzeuge GmbH

Spannhülsenlagerungen

für FMB, IEMCA, BREUNING IRCO, TRAUB Lademagazine

Revolving Ends

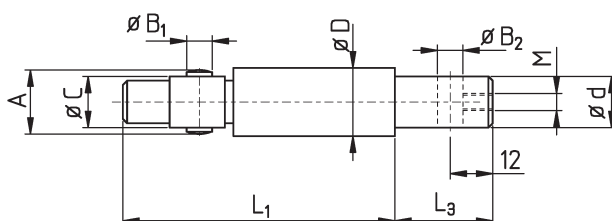
for FMB, IEMCA, BREUNING IRCO, TRAUB Bar Feeders



Bestell-Nr. order-no.	d	D	A	B	C	L ₁	L ₂	L ₃
SPHLD10IR (Spezial)	8	10,0	9,8	4	7	27	43	31
SPHLD105IR (Spezial)	8	10,5	9,8	4	7	27	43	31
SPHLD10H	8	10,3	9,8	4	7	27	43	31
SPHLD12H	8	12	11,8	4	8	27	43	31
SPHLD13H	8	13	11,8	6	11	27	43	31
SPHLD15H	12	15	14,8	6	11	26	44	31
SPHLD16H	12	16	15,8	6	11	26	44	31
SPHLD18	12	18	17,8	6	11	26	44	31
SPHLD20	17	20	19,8	8	14	39	47	31
SPHLD22	17	22	21,8	8	14	39	47	31
SPHLD23	17	23	21,8	8	14	44	42	28
SPHLD25	20	25	24,8	8	20	42	47	31
SPHLD28	20	28	24,8	8	20	42	47	31
SPHLD30	20	30	29,8	8	20	42	47	31
SPHLD32	20	32	31,8	8	20	42	47	30
SPHLD36	20	36	35,8	8	20	42	47	30
SPHLD42	20	42	41,8	8	20	42	47	30
SPHLD52	20	52	51,8	8	20	42	47	30

Spannhülsenlagerungen für LNS Mini-Sprint S2

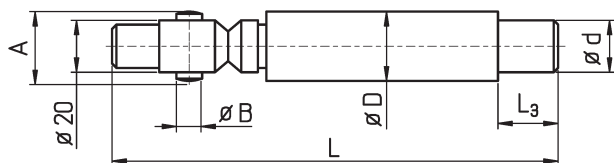
Revolving Ends for LNS Mini-Sprint S2



Bestell-Nr. order-no.	d	D	A	B ₁ / B ₂	C	L ₁	L ₃	M
SPHL10LNS	8	10	10	4	7	65	30	M4
SPHL12LNS	8	12	12	4	8	65	30	--
SPHL15LNS	12	15	15	6	11	66	30	M5
SPHL18LNS	12	18	18	6	11	66	30	--
SPHL20LNS	17	20	20	8	14	81	30	M8
SPHL25LNS	20	25	25	8	20	85,5	30	M8
SPHL36LNS	30	36	36	8 / --	20	158	40	--
SPHL50LNS	42	50	--	--	20	158	50	--

Spannhülsenlagerungen "TURBO"
für FMB, LNS, BREUNING IRCO Lademagazine

Revolving Ends
for FMB, LNS, BREUNING IRCO Bar Feeders



Bestell-Nr. order-no.	d	D	A	B	L ₃	L
SPHLTD25 *	20	25	24,8	8	40	197
SPHLTD28 *	25	28	25,8	8	40	197
SPHLTD30 *	25	30	25,8	8	40	197
SPHLTD32 *	25	32	31	8	40	197
SPHLTD34 *	30	34	31	8	40	197
SPHLTD36 *	30	36	35	8	40	207
SPHLTD38	30	38	-	-	40	207
SPHLTD40	33	40	-	-	50	207
SPHLTD42	33	42	-	-	50	207
SPHLTD45	33	45	-	-	50	207
SPHLTD50	42	50	-	-	50	207
SPHLTD60	51	60	-	-	75	232
SPHLTD63	51	63	-	-	75	232
SPHLTD65	51	65	-	-	75	232
SPHLTD70**	51	70	-	-	-	-
SPHLTD80**	51	80	-	-	-	-

* Verwendbar für Spannhülsen "Turbo" und mit Querstift
**Auf Anfrage

* Useable for bar feeder collets "Turbo" and pinned type
** On request

Spannhülsenlagerungen "TURBO"
für TORNOS Lademagazine

Revolving Ends "TURBO"
for TORNOS Bar Feeders

Bestell-Nr. order-no.	d	D	A	B	L ₃	L
SPHLTR32	22	32	31	8	30	192
SPHLTR36	25	36	35	8	30	192

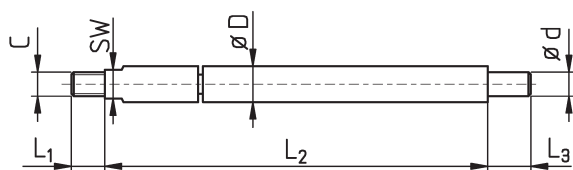
Spannhülsenlagerungen
für TORNOS, ROBOBAR LademagazineRevolving Ends
for TORNOS, ROBOBAR Bar Feeders

Bild 1

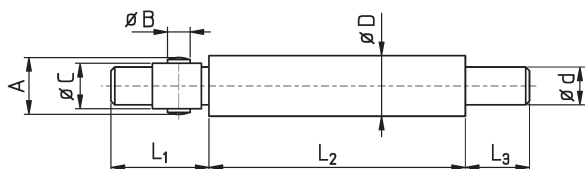


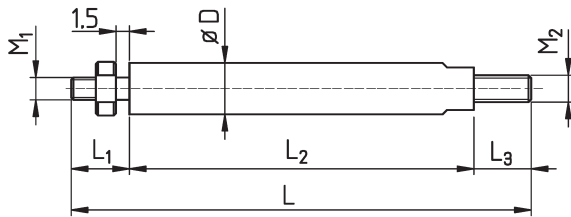
Bild 2



Bestell-Nr. order-no.	d	D	A	B	C	L ₁	L ₂	L ₃	Bild
SPHLD05R	M3	5,5	-	-	M4	7	78	8	1
SPHLD07R	M5	7,5	-	-	M5	7	78	16	1
SPHLD10R	7	10,5	9,8	4	7	25	73	16	2
SPHLD12R	8	12	11,8	4	8	26	73	16	2
SPHLD16R	10	16	14,8	6	11	28	116	16	2
SPHLD18R	10	18	14,8	6	11	28	116	16	2
SPHLD21R	14	20,5	19,8	8	14	40	110	20	2
SPHLD25R	20	25	24,8	8	20	43	114	22	2
SPHLD26R	20	26	24,8	8	20	43	114	22	2

Spannhülsenlagerungen
für BECHLER, TORNOS Lademagazine

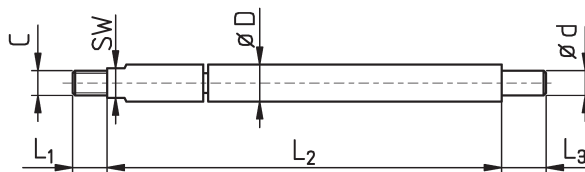
Revolving Ends
for BECHLER, TORNOS Bar Feeders



Bestell-Nr. order-no.	D	M ₁	M ₂	L ₁	L ₂	L ₃	L	Magazin magazine
SPHLD10B1	10	M5	M6	14	68	14	96	BECHLER
SPHLD10B2	10	M5	M6	14	56	14	84	BECHLER
ERB0760	7	M4	M5	11,5	42	10	63,5	BECHLER
ERT0450	4,5	M3	M3 Innengew.	5		--	62	TORNOS
ERT0550	5,5	M3	M3 Innengew.	8	55	--	63	TORNOS
ERT0700	7	M4	M5	12	42	10	64	TORNOS
ERT0750	7,5	M4	M5	11,5	42	10,5	64	TORNOS
ERT0850	8,5	M5	M5	12	41,5	10	63,5	TORNOS
ERT1050	10,5	M6	M6	14	45	11	70	TORNOS

Spannhülsenlagerungen
für GAUTHIER, IEMCA, LNS Lademagazine

Revolving Ends
for GAUTHIER, IEMCA, LNS Bar Feeders



Bestell-Nr. order-no.	D	M ₁	M ₂	SW	L ₁	L ₂	L ₃	Magazin magazine
SPHLD05GS	5,0	M4	M4	4	7	73	11	GAUTHIER / IEMCA
SPHLD05G	5,5	M4	M4	4	7	73	11	* GAUTHIER / IEMCA
SPHLD07GS	7,0	M5	M5	6	7	79	11	GAUTHIER
SPHLD07G	7,5	M5	M5	6	7	79	11	* GAUTHIER
SPHLD07SLNS	7,0	M4	M5	6	8	115	11	LNS Mini Sp
SPHLD07LNS	7,5	M4	M5	6	8	115	11	* LNS Mini Sp
SPHLD12LNS	12	M6	M6	9	Gesamtlänge / total length 72 mm			LNS Mini Sp

* Standardausführung für Kanal D5 bzw. D7

* Standard version for channel D5 resp. D7

**Spannhülsenlagerungen
für TRAUB, FMB Lademagazine**

**Revolving Ends
for TRAUB, FMB Bar Feeders**

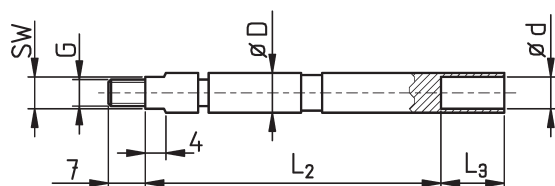


Bild 1

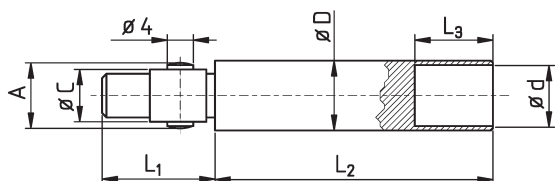


Bild 2

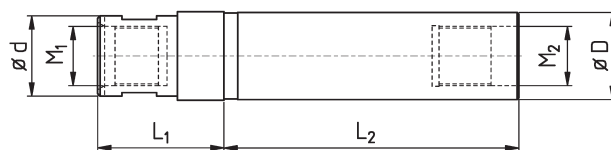


Bestell-Nr. order-no.	D	Bild	G	d	SW	L ₂	L ₃	Magazin magazine
SPHLD05T	5,5	1	M4	4,5	4	56	12	TRAUB / FMB
SPHLD07T	7,5	1	M5	6,5	6	63	15	TRAUB / FMB

Bestell-Nr. order-no.	D	Bild	A	C	d	L ₁	L ₂	L ₃	Magazin magazine
SPHLD10T	10	2	9,9	7	9	24	63,5	18	TRAUB
SPHLD12T	12	2	11,9	8	11	24	63,5	18	TRAUB

**Spannhülsenlagerungen
für IEMCA Lademagazine**

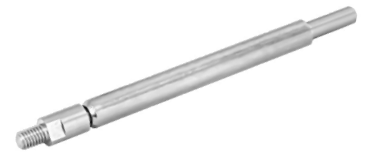
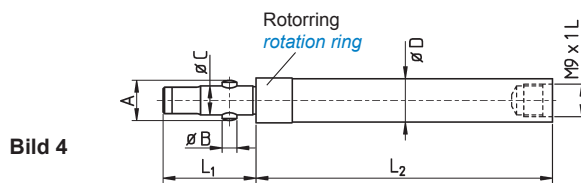
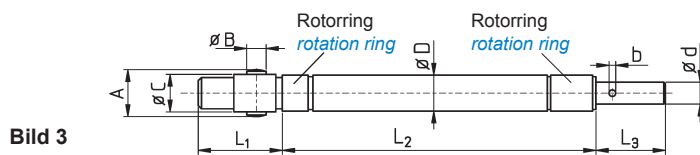
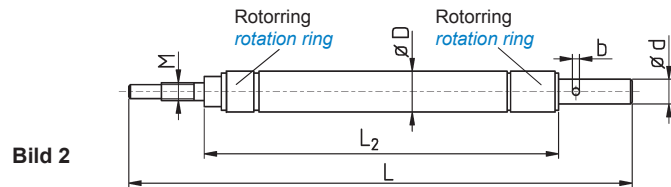
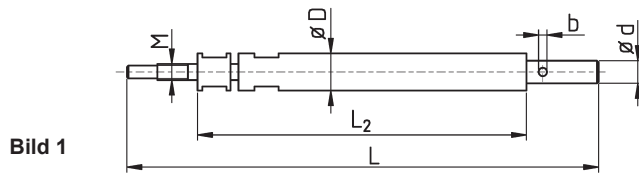
**Revolving Ends
for IEMCA Bar Feeders**



Bestell-Nr. order-no.	D	d	L ₁	L ₂	M ₁	M ₂
SPHLDI25	25	23	40	81	M17x1	M17x1
SPHLDI30	30	30	49	91	M25x1,5	M20x1
SPHLDI40	40	45	51	114	M25x1,5	Ø 30

**Spannhülsenlagerungen
für IEMCA, BOSS Lademagazine**

**Revolving Ends
for IEMCA, BOSS Bar Feeders**



Bestell-Nr. order-no.	D	Bild	d	L ₂	L	M	b	
SPHLI12	12	1	8	109	172	M7x0,75	3	
SPHLI15	15	2	12	132,5	195	M8x1	4	Für Spannhülsen DI original IEMCA
SPHLI16	16	2	12	132,5	195	M8x1	4	
SPHLI18	18	2	12	132,5	195	M8x1	4	For bar feed collets original IEMCA
SPHLI20	20	2	14	132,5	210	M10x1	-	
SPHLI23	23	2	14	132,5	210	M10x1	4	

Bestell-Nr. order-no.	D	Bild	d	L ₁	L ₂	L ₃	A	B	C	b	
SPHL12IE	12	3	8	27	113	30	12	4	8	3	
SPHL12IE-S	12	4	--	26	83	--	12	4	8	--	Für Spannhülsen mit Querloch
SPHL15IE	15	3	12	26	127	35	15	6	11	4	
SPHL16IE	16	3	12	26	127	35	16	6	11	4	
SPHL18IE	18	3	12	26	127	35	18	6	11	4	For bar feed collets pinned type
SPHL20IE	20	3	14	37	126	33	20	8	14	-	

Spannhülsenlagerungen
für IEMCA, CUCCHI LademagazineRevolving Ends
for IEMCA, CUCCHI Bar Feeders

IEMCA					
Bestell-Nr. order-no.	D	L	F	d	Bild
V516.007	7,5	126	M6x0,75	M5x0,5	1
V516.010	10	113	M8x1	M6x0,75	1
V516.012	12	116	M10x1	M7x0,75	1
V516.015	15	121	M12x1,5	M8x1	1
V516.020	20	133	M14x1,5	M10x1	1
V516.025	25	133	M14x1,5	M10x1	1
V516.030	30	135	M14x1,5	M10x1	1

CUCCHI					
Bestell-Nr. order-no.	D	L	F	d	Bild
V517.010	10	107	M7x1	M6x0,75	2
V517.012	12	107	M8x1,25	M7x0,75	2
V517.014	14	107	M10x1,5	M8x1	2
V517.016	16	107	M10x1,5	M8x1	2
V517.019	19	118	M12x1,75	M10x1	2
V517.025	25	118	M20x1,5	M14x1	2
V517.030	30	123	M24x1,5	M18x1,5	2
V517.040	40	61	M28x1,5	M25x1,5	4

CUCCHI					
Bestell-Nr. order-no.	D	L	F	d	Bild
V517.120	19	100	M17x1li	M10x1li	2
V517.120P	19	100	M17x1li	M14x1,5li	2
V517.125	24	100	M20x1,5li	M14x1li	2
V517.125P	24	100	M20x1,5li	M20x1,5li	2
V517.130	29,3	121	M26x1,5li	M18x1,5li	2
V517.130S	29,3	121	M26x1,5li	M18x1,5li	3
V517.130P	29,3	121	M26x1,5li	M26x1,5li	2
V517.138	38	109	M30x1,5li	M25x1,5li	2
V517.138P	38	109	M30x1,5li	M30x1,5li	2

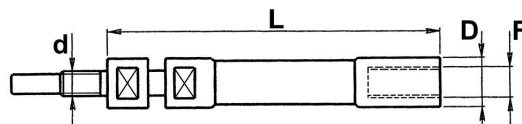


Bild 1

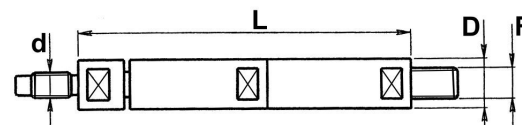


Bild 2

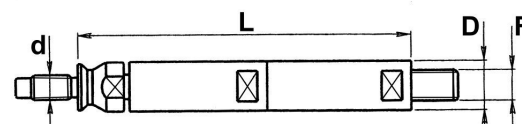


Bild 3

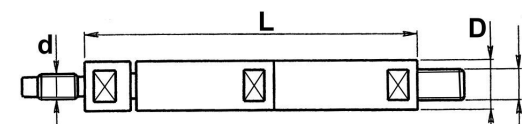


Bild 4

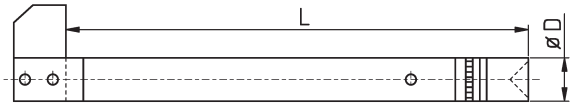
Fahnenstangen (Stangenvorschub)

Pushrods

Bestell-Nr. order-no.	D	L	Maschine machine
V516.101	14	48	TRAUB A15/FEINLER 15
V516.102*	14	48	TRAUB A15/FEINLER 15
V516.103	19	45	TRAUB A20
V516.104*	19	45	TRAUB A20
V516.105	24	50	TRAUB A25
V516.106*	24	50	TRAUB A25
V516.303	12	69	STROHM 125
V516.601			TRAUB A42

* Doppelte Lagerung

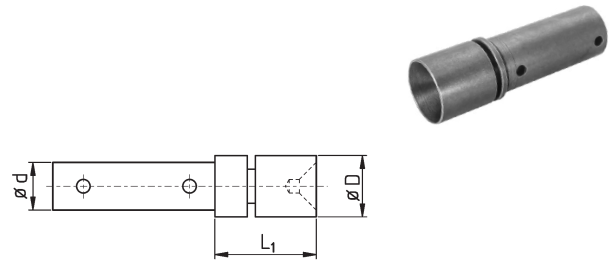
* Double bearing



Drehende Enden

Revolving Ends

Bestell-Nr. order-no.	D	d	L	Fahnenstange pushrod
V516.107	14,5	12	23	V516.101/102
V516.108	20	16	28	V516.103/104
V516.109	24	20	38	V516.105/106/201/202
V516.110	12	10	46	V516.303
V516.111	40	35	45	V516.601
V516.112	42	35	45	

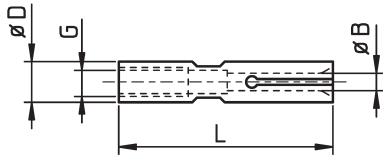


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- 4, 5 Spannhülsen für Turbo-Lademagazine für FMB, BREUNING IRCO, LNS, TORNOS
Bar Feed Collets (Turbo) for FMB, BREUNING IRCO, LNS, TORNOS
- 6 - 8 Spannhülsen mit Aufschraubgewinde rechts
Bar Feed Collets with Right Hand Thread
- 9, 10 Spannhülsen mit Aufschraubgewinde links
Bar Feed Collets with Left Hand Thread
- 11 Zentrierhülsen
Bar Feed Cone Collets
- 12,13 Spanndorne
Bar Feed Collets for Internal Gripping
- 14 Spanndorne und Anschläge für INDEX
Bar Feed Collets for Internal Gripping for INDEX
- 15 Spannhülsen „Longlife“ vulkanisiert
Bar Feed Collets "Longlife" vulcanized
- 16 Spanndorne vulkanisiert
Bar Feed Collets for Internal Gripping vulcanized
- 17 Gummi-Spannhülsen / Spanndorne
Rubber-Fix Bar Feed Collets and Collets for Internal Gripping (Blank)

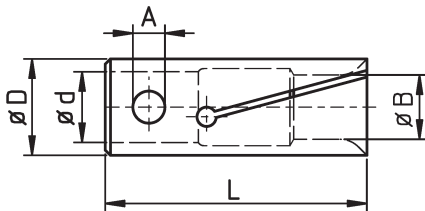
Spannhülsen für Lademagazine
FMB, IEMCA, LNS, TRAUB, TORNOS

Bar Feed Collets for Bar Loaders
FMB, IEMCA, LNS, TRAUB, TORNOS



mit Gewinde
with thread

Bild 1



mit Querstiftbefestigung
pinned type

Bild 2



Bestell-Nr. order-no.	D	Bild	G / d	A	L	B von from	B bis to	stg. step
D05	5	2	M4	-	37	0,8	4,5	0,1
D07	7	2	M5	-	37	0,6	6,0	0,1
D10	10	1	7	4	40	1,0	9,0	0,5
D11	11	1	7	4	40	9,5	10,0	0,1
D12	12	1	8	4	40	1,5	10,5	0,5
D13	13	1	8	4	40	2,0	12,0	0,5
D14	14	1	8	4	40	8,0	13,0	0,5
D15	15	1	11	6	40	2,0	13,5	0,5
D16	16	1	11	6	40	4,0	15,0	0,5
D18	18	1	11	6	40	3,0	17,0	0,5
D20	20	1	14	8	65	2,0	19,0	0,5
D21	21	1	14	8	65	18,0	20,0	0,5
D22	22	1	14	8	65	4,0	21,0	0,5
D24	24	1	20	8	65	16,0	23,0	0,5
D25	25	1	20	8	65	2,0	24,0	0,5
D28	28	1	20	8	65	3,0	27,0	0,5
D30	30	1	20	8	65	4,0	29,0	0,5
D32	32	1	20	8	65	3,0	31,0	0,5
D34	34	1	20	8	65	28,0	33,0	0,5
D36	36	1	20	8	65	4,0	35,0	0,5
D42	42	1	20	8	65	15,0	41,0	1,0
D52	52	1	20	8	65	40,0	51,0	1,0

Dünnwandige Spannhülsen auch als "Longlife" lieferbar
Zollmaße bis 1/16"-stg. ohne Aufpreis

Thin-walled bar feeder collets also available in "Longlife"-type
Imperial sizes up to 1/16"-step without extra charge

11.2 - 2

Spannhülsen Bar Feed Collets

11

Spannhülsenlagerungen
Spannhülsen
Revolving Ends
Bar Feed Collets

BRITSCH
Spannzeuge GmbH

Spannhülsen für Lademagazine
BECHLER, LNS, TRAUB, TORNOS

Bar Feed Collets for Bar Loaders
BECHLER, LNS, TRAUB, TORNOS

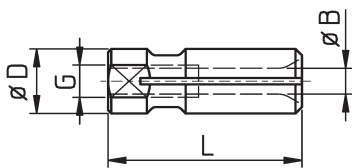


Bild 1

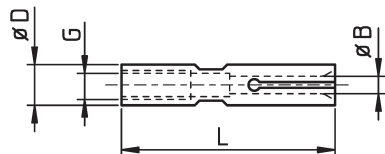


Bild 2



Bestell-Nr. order-no.	D	Bild	G	L	B von from	B bis to	stg. step
D07-B	7	1	M5	26	1,0	6,3	0,1
D10-B	10	1	M5	26	1,5	8,5	0,1
DLNS06	6	2	M4	30	0,6	5,0	0,1
DLNS07	7	2	M4	30	1,0	6,0	0,1
DLNS10	11	2	M5	30	1,5	9,0	0,1
DLNS12	12	2	M6	30	2,0	11,0	0,5
DLNS125	12	2	M6	30	8,0	12,0	0,5

Dünnwandige Spannhülsen auch als "Longlife" lieferbar

Thin-walled bar feed collets also available in "Longlife"-type

11

Spannhülsen "Longlife"
FMB, IEMCA, LNS, TRAUB, TORNOS

Bar Feed Collets "Longlife"
FMB, IEMCA, LNS, TRAUB, TORNOS

Vorteile der "Longlife"-Spannhülsen:

- Die geschlossene Form verhindert Spannkraftverlust bei hohen Drehzahlen
- Bei Ausführung "L" kann auch 4 / 6 - kt. Material verwendet werden
- Hohe Bruchfestigkeit und Spannkraft bei dünnen Wandungsstärken

Advantages of "Longlife" bar feed collets

- Closed form prevents tension loss by high rotation speed
- Type "L" also suitable for square / hex material
- High breaking resistance and clamping force

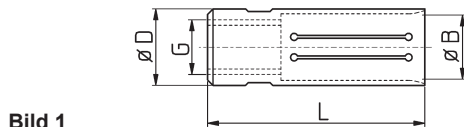


Bild 1

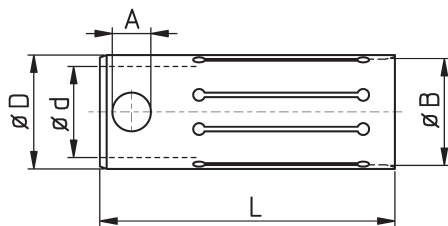
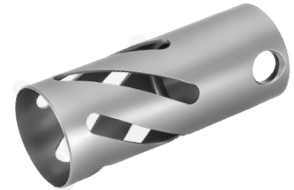


Bild 2

Ausführung L
Type



Ausführung LS
Type



Bestell-Nr. - order-no.	Ausführung - type	D	Bild	G / d	L	B von from	B bis to	stg. step	4 / 6-kt sq / hex
L	LS								
D05L	D05LS	5	1	M4	40	3,5	4,3	0,1	
D07L	D07LS	7	1	M5	40	4,3	6,0	0,5	
D075L	D075LS	7,5	1	M5	40	6,0	7,0	0,5	
D10L	D10LS	10	2	7	40	6,0	9,0	0,5	6 - 8
D11L	D11LS	11	2	7	40	9,0	10,0	0,5	8
D12L	D12LS	12	2	8	40	8,0	11,0	0,5	7 - 9
D13L	D13LS	13	2	8	40	11,0	12,0	0,5	10
D15L	D15LS	15	2	11	40	10,0	14,0	0,5	9 - 12
D16L	D16LS	16	2	11	40	13,0	15,0	0,5	12 - 13
D17L	D17LS	17	2	11	40	14,0	16,0	0,5	13
D18L	D18LS	18	2	11	40	12,0	17,0	0,5	11 - 14
D19L	D19LS	19	2	11	40	17,0	18,0	0,5	15
D20L	D20LS	20	2	14	65	14,0	19,0	0,5	13 - 16
D21L	D21LS	21	2	14	65	18,0	20,0	0,5	16 - 17
D22L	D22LS	22	2	14	65	16,5	21,0	0,5	15 - 18
D23L	D23LS	23	2	14	65	18,0	22,0	0,5	16 - 19
D24L	D24LS	24	2	20	65	20,0	23,0	0,5	18 - 20
D25L	D25LS	25	2	20	65	16,0	24,0	0,5	14 - 20
D26L	D26LS	26	2	20	65	23,0	25,0	0,5	20 - 21
D27L	D27LS	27	2	20	65	24,0	26,0	0,5	21 - 22
D28L	D28LS	28	2	20	65	20,0	27,0	0,5	18 - 23
D30L	D30LS	30	2	20	65	22,0	29,0	0,5	20 - 25
D31L	D31LS	31	2	20	65	29,5	30,0	0,5	26
D32L	D32LS	32	2	20	65	20,0	31,0	0,5	18 - 27
D33L	D33LS	33	2	20	65	30,0	32,0	0,5	27
D34L	D34LS	34	2	20	65	28,0	33,0	0,5	25 - 28
D36L	D36LS	35	2	20	65	30,0	35,0	0,5	27 - 30
D39L	D39LS	39	2	20	65	36,0	38,0	0,5	32 - 33
D42L	D42LS	42	2	20	69	38,5	41	0,5	34 - 35
D52L	D52LS	52	2	20	70	47,0	50,0	0,5	41 - 43

Zollmaße bis 1/16"-stg. ohne Aufpreis
Material muss angefast werden

Imperial sizes up to 1/16"-step without extra charge
Bars need chamfering to prevent breakage

11.2 - 4

Spannhülsen Bar Feed Collets

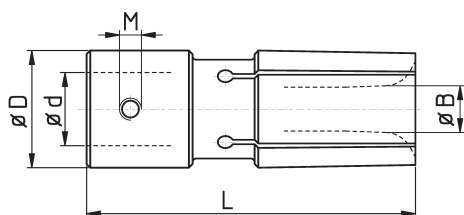
11

Spannhülsenlagerungen
Spannhülsen
Revolving Ends
Bar Feed Collets

BRITSCH
Spannzeuge GmbH

Spannhülsen für Turbo-Lademagazine
FMB, BREUNING IRCO, LNS, TORNOS

Bar Feed Collets for Turbo Bar Loaders
FMB, IRCO, LNS, TORNOS



Bestell-Nr. order-no.	D	d	L	M	B von from	B bis to	stg. step
TD25	25	20	90	M5	2,5	24,0	0,5
TD28	28	20	90	M5	5,0	26,0	0,5
TD30	30	20	90	M6	3,0	28,0	0,5
TD32	32	20	90	M6	2,5	30,5	0,5
TD33	33	20	90	M6	30,0	31,0	1,0
TD34	34	20	90	M6	6,0	32,5	1,0
TD36	36	20	90	M8	4,0	34,0	0,5
TD38	38	20	90	M8	10,0	36,0	0,5
TD40	40	20	90	M8	7,0	38,5	1,0
TD42	42	20	90	M8	3,0	40,0	1,0
TD45	45	20	90	M8	10,0	43,0	1,0
TD50	50	20	90	M8	6,0	48,5	1,0
TD54	54	20	90	M8	20,0	51,0	1,0
TD55	55	20	90	M8	20,0	52,0	1,0
TD58	58	20	90	M8	20,0	55,0	1,0
TD60	60	20	90	M8	10,0	58,5	1,0
TD63	63	20	90	M8	10,0	61,5	1,0
TD65	65	20	90	M8	8,0	63,5	1,0
TD70	70	20	90	M8	40,0	68,0	1,0
TD73	73	20/35	90	M8	40,0	71,0	1,0
TD75	75	20/35	90	M8	40,0	73,0	1,0
TD80	80	35	90	M8	40,0	77,0	1,0
TD90	90	35	90	M8	50,0	86,0	1,0
TD100	100	35	110	M8	60,0	95,0	1,0

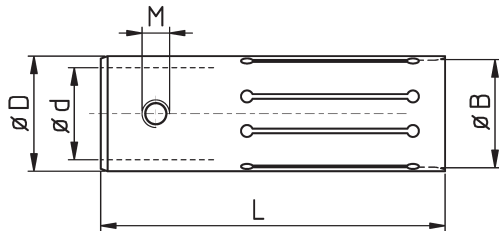
Dünnwandige Spannhülsen auch als "Longlife" lieferbar
Zollmaße bis 1/16"-stg. ohne Aufpreis
alle Spannhülsen auch als XT-Ausführung (definierte Spannkraft) lieferbar

*Thin-walled bar feed collets also available in "Longlife"-type
Imperial sizes up to 1/16"-step without extra charge
All bar feed collets also available in XT-type (defined clamping force)*

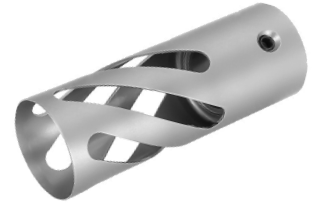
Spannhülsen "Longlife"
für Turbo-Lademagazine
FMB, BREUNING IRCO, LNS, TORNOS

Bar Feed Collets "Longlife"
for Turbo Bar Loaders
FMB, IRCO, BREUNING LNS, TORNOS

Vorteile der "Longlife"-Spannhülsen s. S. 3 - *Advantages of "Longlife" bar feed collets see page 3*



Ausführung L
Type L



Ausführung LS
Type LS



Bestell-Nr. - order-no. Ausführung - type L LS	D	d	L	B von from	B bis to	stg. step	4 / 6-kt sq / hex
TD25L TD25LS	25	20	90	15,0	24,0	0,5	13 - 20
TD30L TD30LS	30	20	90	20,0	29,0	0,5	18 - 25
TD32L TD32LS	32	20	90	22,0	31,0	0,5	19 - 26
TD33L TD33LS	33	20	90	30,0	32,0	0,5	26 - 27
TD34L TD34LS	34	20	90	25,0	33,0	0,5	22 - 28
TD36L TD36LS	36	20	90	28,0	35,0	0,5	25 - 30
TD38L TD38LS	38	20	90	30,0	37,0	0,5	27 - 32
TD40L TD40LS	40	20	90	35,0	39,0	0,5	31 - 33
TD42L TD42LS	42	20	90	30,0	41,0	0,5	27 - 35
TD43L TD43LS	43	20	90	41,5	42,0	0,5	36
TD45L TD45LS	45	20	90	40,0	44,0	0,5	35 - 38
TD50L TD50LS	50	20	90	40,0	49,0	0,5	35 - 42
TD55L TD55LS	55	20	90	45,0	54,0	0,5	40 - 46
TD60L TD60LS	60	20	90	50,0	59,0	0,5	44 - 51
TD63L TD63LS	63	20	90	50,0	62,0	0,5	44 - 53
TD65L TD65LS	65	20	90	53,0	64,0	0,5	46 - 55
TD70L TD70LS	70	20	90	65,0	68,0	0,5	
TD73L TD73LS	73	20/35	90	68,0	71,0	0,5	
TD75L TD75LS	75	20/35	90	70,0	73,0	0,5	
TD80L TD80LS	80	35	90	75,0	78,0	0,5	

Material muss angefast werden

Bars need chamfering to prevent breakage

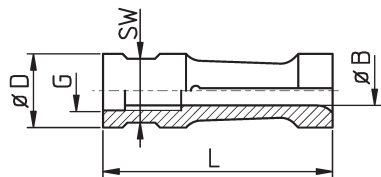
Spannhülsen für Lademagazine
IEMCA mit AufschraubgewindeBar Feed Collets for Bar Loaders
IEMCA with Right Hand Thread

Bild 1

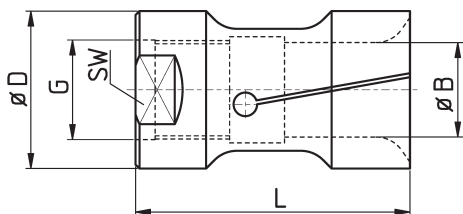


Bild 2



Bestell-Nr. order-no.	D	Bild	G	L	SW	B von from	B bis to	stg. step
DI07	7,5	1	M5x0,5	40	6	1,5	6,5	0,1
DI10	10	1	M6x0,75	40	8	1,5	9,0	0,1
DI12	12	1	M7x0,75	42	10	1,6	10,5	0,1
DI15	15	1	M8x1	42	13	3,0	13,0	0,1
DI16	16	1	M8x1	42	14	6,0	15,0	0,5
DI18	18	1	M8x1	42	14	11,0	16,5	0,5
DI20	20	1	M10x1	59	17	2,5	18,5	0,1
DI23	23	1	M10x1	59	19	11,0	21,0	0,5
DI25	25	1	M10x1	59	22	8,0	23,0	0,5
DI27	27	1	M10x1	59	22	16,0	25,5	0,5
DI30	30	1	M10x1 *	65	28	6,0	28,0	0,5
DI31 **	31	1	M10x1 *	65	28	8,0	29,0	0,5
DI32	32	1	M10x1 *	65	28	6,0	30,0	0,5
DI33	33	1	M10x1 *	65	28	8,0	32,0	0,5
DI34	34	1	M25x1,5	65	28	5,0	32,0	0,5
DI35	35	1	M25x1,5	65	30	19,0	33,0	0,5
DI36	36	2	M25x1,5	65	34	20,0	34,0	0,5
DI40	40	2	M25x1,5	70	36	10,0	37,0	0,5
DI42	42	2	M25x1,5	70	36	20,0	40,0	0,5
DI46	46	2	M25x1,5	72	40	20,0	44,0	0,5
DI50	50	2	M25x1,5	80	46	43,0	48,0	0,5
DI52	52	2	M25x1,5	80	50	45,0	50,0	0,5
DI54	54	2	M25x1,5	80	50	47,0	52,0	0,5
DI55	55	2	M25x1,5	80	50	20,0	54,0	0,5
DI56	56	2	M25x1,5	80	50	20,0	54,0	0,5
DI58	58	2	M25x1,5	80	50	20,0	54,0	0,5
DI60	60	2	M25x1,5	80	55	20,0	57,0	0,5
DI65	65	2	M25x1,5	80	55	56,0	63,0	0,5
DI70	70	2	M25x1,5	80	55	60,0	68,0	0,5
DI75	75	2	M25x1,5	80	55	67,0	72,0	0,5
DI80	80	2	M25x1,5	80	Querbohrung cross hole	50,0	77,0	0,5

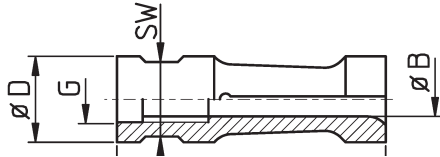
* Auch mit folgenden Gewinden lieferbar: M17x1 ; M25x1,5 ; M18x1,5 ; M18x1,5L
 * Also available with threads:

dünnwandige Spannhülsen auch als "Longlife" lieferbar
 ** auch für Stama-Magazine

Thin-walled bar feed collets also available in "Longlife"-type
 ** Also for Stama loaders

Spannhülsen für Lademagazine
J. CUCCHI mit Aufschraubgewinde

Bar Feed Collets for Bar Loaders
J. CUCCHI with Right Hand Thread



Bestell-Nr. order-no.	D	G	L	SW	B von from	B bis to	stg. step
DC10	10	M6x0,75	50	8	2,0	9,0	0,1
DC12	12	M7x0,75	52	10	3,0	11,0	0,1
DC14	14	M8x1	52	12	4,0	12,5	0,1
DC15	15	M8x1	52	13	4,0	14,0	0,1
DC16	16	M8x1	52	14	4,0	15,0	0,1
DC18	18	M10x1	59	14	4,0	17,0	0,5
DC25	25	M14x1	59	22	10,0	23,0	0,5
DC30	30	M18x1,5 re	65	28	8,0	28,0	0,5

dünnwandige Spannhülsen auch als "Longlife" lieferbar

Thin-walled bar feed collets also available in "Longlife"-type

11.2 - 8

Spannhülsen Bar Feed Collets

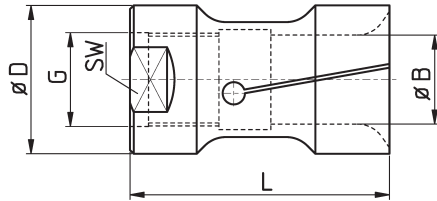
11

Spannhülsenlagerungen
Spannhülsen
Revolving Ends
Bar Feed Collets

BRITSCH
Spannzeuge GmbH

Spannhülsen für Lademagazine
IEMCA, J. CUCCHI mit Aufschraubgewinde

Bar Feed Collets for Bar Loaders
IEMCA, J. CUCCHI with Right Hand Thread



Bestell-Nr. order-no.	D	G	L	SW	B von from	B bis to	stg. step
DIL29	29	M17x1	80	27	5,0	27,0	0,5
DIL30	30	M17x1	80	27	5,0	28,0	0,5
DIL32	32	M25x1,5	80	30	5,0	30,0	0,5
DIL34	34	M25x1,5	80	30	20,0	32,0	0,5
DIL36	36	M25x1,5	80	30	20,0	34,0	0,5
DIL38	38	M25x1,5	80	36	20,0	36,0	0,5
DIL40	40	M25x1,5	80	36	10,0	38,0	0,5
DIL42	42	M25x1,5	80	36	10,0	40,0	0,5
DIL44	44	M25x1,5	80	41	38,0	42,0	0,5
DIL46	46	M25x1,5	80	41	39,0	44,0	0,5
DIL48	48	M25x1,5	80	46	40,0	46,0	0,5

dünnwandige Spannhülsen auch als "Longlife" lieferbar

Thin-walled bar feed collets also available in "Longlife"-type

Spannhülsen "Longlife" für
IEMCA, J. CUCCHI mit Aufschraubgewinde

Bar FeedeCollets "Longlife"
IEMCA, J. CUCCHI with Right Hand Thread

Vorteile der "Longlife"-Spannhülsen s. S. 3 - *Advantages of "Longlife" bar feed collets see page 3*



Ausführung L
Type L



Ausführung LS
Type LS

Alle dünnwandigen Maße von "DI"-Spannhülsen auch in "Longlife"-Ausführung erhältlich
All thin-walled bar feed collets "DI" also available in "Longlife"-type

Bei Bestellungen einfach "L" bzw. "LS" hinter die Bestell-Nr.

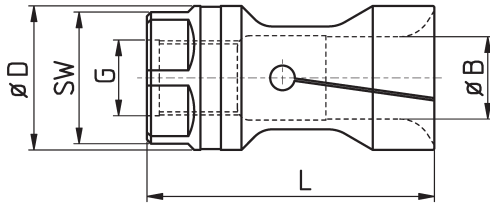
When ordering simply "L" or "LS" after the order number

Beispiele: - *examples:*

*DI30 27,5 L
DI52 49,0 LS*

Spannhülsen für Lademagazine
P. CUCCHI mit Aufschraubgewinde links

Bar Feed Collets for Bar Loaders
P. CUCCHI with Left Hand Thread



Bestell-Nr. order-no.	Magazin magazine	D	G	L	SW	B von from	B bis to	stg. step
DX19	CUCCHI PB20	19	M10x1 L	60	17	4,0	17	0,1
DX20	CUCCHI PB20	20	M10x1 L	60	17	8,0	18,5	0,1
DX23	CUCCHI PB23	23	M14x1 L	60	21	4,0	21,0	0,5
DX24	CUCCHI PB24	24	M14x1 L	60	22	21,0	22,0	0,5
DX25	CUCCHI PB24	25	M14x1 L	60	22	6,0	23,5	0,5
DX28	CUCCHI PB28	28	M18x1,5 L	65	24	21,0	24	0,5
DX29	CUCCHI PB30	29	M18x1,5 L	65	27	5,0	27,5	0,5
DX30	CUCCHI PB30	30	M18x1,5 L	65	28	18,0	28	0,5
DX32	CUCCHI PB32	32	M18x1,5 L	65	28	20,0	30,0	0,5
DX33	CUCCHI PB35A	33	M18x1,5 L	70	30	25,0	31,0	0,5
DX34	CUCCHI PB35A	34	M18x1,5 L	70	30	8,0	32,5	0,5
DX35	CUCCHI PB35	35	M18x1,5 L	70	32	10,0	33,0	0,5
DX37	CUCCHI PB38	37	M25x1,5 L	70	32	10,0	35,0	0,5
DX38	CUCCHI PB38	37,8	M25x1,5 L	70	32	30,0	36,0	0,5
DX39	CUCCHI PB38	39	M25x1,5 L	70	36	16,0	37,0	0,5
DX40	CUCCHI PB42	39,8	M25x1,5 L	70	36	20,0	38,0	0,5
DX41	CUCCHI PB42	41	M25x1,5 L	70	36	19,0	40,0	0,5
DX42	CUCCHI PB42	42	M25x1,5 L	70	36	20,0	40,0	0,5
DX43	CUCCHI PB42	42,8	M25x1,5 L	70	36	20,0	41,0	0,5
DX44	CUCCHI PB42	44	M25x1,5 L	70	36	20,0	42,0	0,5
DX47	CUCCHI PB48	47	M30x1,5 L	70	40	10,0	45,0	0,5
DX50	CUCCHI PB	49,7	M30x1,5 L	70	50	20,0	48,0	0,5
DX55	CUCCHI PB	55	M30x1,5 L	80	50	20,0	53,0	0,5
DX60	CUCCHI PB60	59 (59,7)	M30x1,5 L	80	56	19,0	58,0	0,5
DX65	CUCCHI PB68	65	M30x1,5 L	80	60	58,0	62,0	0,5
DX70	CUCCHI PB70-72	69,5	M30x1,5 L	80	Nut	60,0	67,0	0,5
DX75	CUCCHI PB75	75	M30x1,5 L	80	Nut	65,0	72,0	0,5
DX88	CUCCHI PB90	88	Bohrung / bore 40	110	--	60,0	82	0,5
DV34		34	M25x1,5 L	70	30	10,0	33,0	0,5

Dünnwandige Spannhülsen auch als "Longlife" lieferbar

Thin-walled bar feed collets also available in "Longlife"-type

Spannhülsen "Longlife" für
P. CUCCHI mit Aufschraubgewinde linksBar Feed Collets "Longlife" for
P. CUCCHI with Left Hand ThreadVorteile der "Longlife"-Spannhülsen s. S. 3 - *Advantages of "Longlife" bar feed collets see page 3*Ausführung L
Type LAusführung LS
Type LSAlle dünnwandigen Maße von "DX"-Spannhülsen auch in "Longlife"-Ausführung erhältlich
All thin-walled bar feed collets "DI" also available in "Longlife"-type

Bei Bestellungen einfach "L" bzw. "LS" hinter die Bestell-Nr.

Beispiele: - *examples:**When ordering simply "L" or "LS" after the order number*DX28 26,5 L
DX42 39,0 LSSpannhülsen mit Innenprofil
4-kant und 6-kantBar Feed Collets with Inner Profile
Square and HexagonalAlle Standardspannhülsen auch mit Innenprofilierung erhältlich. Äußere Maße identisch mit den Normalausführungen.
Vorteile bei 4- / 6-kant-Material: Stärkere Klemmwirkung, absolut verdrehsicher
All standard types of bar feed collets are available with inner profile. Other dimensions are identical with standard types.
Advantages for sq / hex material: Stronger clamping, absolutely lock of distortion

Typ type	Magazine magazines	Seite page
D	FMB, IEMCA, LNS, TRAUB, TORNOS	1
TD	FMB, BREUNING IRCO, LNS, TORNOS	4
DI	IEMCA	6
DX	P. CUCCHI	9

Bei Bestellungen einfach "L" bzw. "LS" hinter die Bestell-Nr.

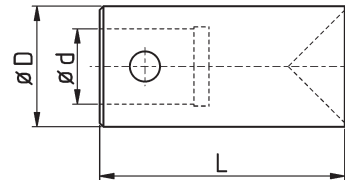
Beispiele: - *examples:**When ordering simply "L" or "LS" after the order number*DX28 26,5 VK (4-kt / sq)
DX42 39,0 SK (6-kt / hex)

Zentrierhülsen f. Lademagazine
FMB, IEMCA, LNS, TRAUB, TORNOS

Bar Feed Cone Collets for Bar Loaders
FMB, IEMCA, LNS, TRAUB, TORNOS

Materialausstoß nach vorn - *For front ejection*

Bestell-Nr. order-no.	D	d	L
D10 K	10	7	40
D12 K	12	8	40
D15 K	15	11	40
D18 K	18	11	40
D20 K	20	14	65
D22 K	22	14	65
D25 K	25	20	65
D28 K	28	20	65
D30 K	30	20	65
D32 K	32	20	65
D36 K	36	20	65

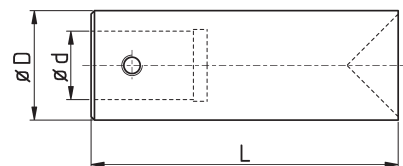


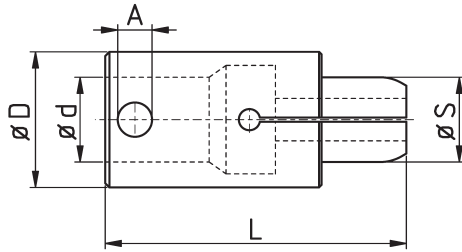
Zentrierhülsen f. Lademagazine
FMB, IRCO, LNS, TORNOS

Bar Feed Cone Collets for Bar Loaders
FMB, IRCO, LNS, TORNOS

Materialausstoß nach vorn - *For front ejection*

Bestell-Nr. order-no.	D	d	L
TD25 K	25	20	90
TD30 K	30	20	90
TD32 K	32	20	90
TD34 K	34	20	90
TD36 K	36	20	90
TD40 K	40	20	90
TD42 K	42	20	90
TD45 K	45	20	90
TD50 K	50	20	90
TD60 K	60	20	90
TD65 K	65	20	90
TD67 K	67	20	90



Spanndorne / Innenspannhülsen für Rohre
FMB, IEMCA, LNS, TRAUB, TORNOSBar Feed Collets for Internal Gripping
FMB, IEMCA, LNS, TRAUB, TORNOS

Bestell-Nr. order-no.	D	G / d	A	L	S von from	S bis to	stg. step
D10SP	10	7	4	40	5,0	9,0	1,0
D12SP	12	8	4	40	5,0	11,0	1,0
D15SP	15	11	6	40	5,0	14,0	1,0
D16SP	16	11	6	40	8,0	15,0	1,0
D18SP	18	11	6	40	5,0	17,0	1,0
D20SP	20	14	8	65	5,0	19,0	1,0
D22SP	22	14	8	65	5,0	21,0	1,0
D25SP	25	20	8	65	5,0	24,0	1,0
D28SP	28	20	8	65	8,0	27,0	1,0
D30SP	30	20	8	65	8,0	29,0	1,0
D32SP	32	20	8	65	6,0	31,0	1,0
D36SP	36	20	8	65	8,00	35,0	1,0
D42SP	42	20	8	65	10,0	41,0	1,0
D52SP	52	20	8	65	10,0	51,0	1,0

Zollmaße bis 1/16"-stg. ohne Aufpreis

Imperial sizes up to 1/16"-step without extra charge

Spanndorne / Innenspannhülsen für Rohre
IEMCA (DI) und P.CUCCHI (DX)Bar Feed Collets for Internal Gripping
IEMCA (DI) and P. CUCCHI (DX)Ausführung DI
TypeAusführung DX
Type

Alle "DI"- und "DX"- Spannhülsen auch als Spanndorne erhältlich, vgl. S. 9 + 9

All "DI" and "DX" bar feed collets also available as bar feed collets for internal gripping, see page 6 + 9

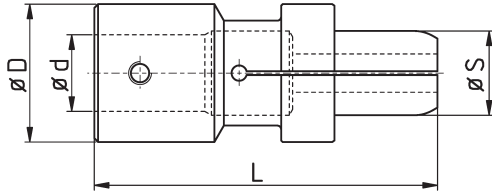
Viele Maße auf Lager, bitte fragen Sie an

many sizes available on request

Best.Nr: DI . . SP bzw. DX . . SP
order-no.:

Spanndorne / Innenspannhülsen für Rohre
"Turbo" für FMB, BREUNING IRCO, LNS, TORNOS

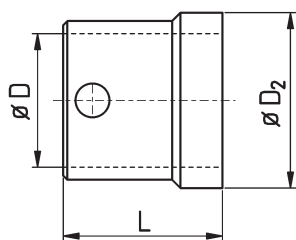
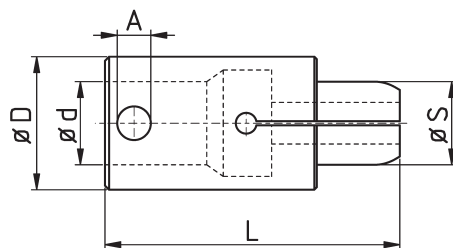
Bar Feed Collets for Internal Gripping
"Turbo" for FMB, BREUNING IRCO, LNS, TORNOS



Bestell-Nr. order-no.	D	d	L	Gew	S von from	S bis to	stg. step
TD25SP	25	20	90	M5	5,0	24,0	1,0
TD30SP	30	20	90	M6	8,0	29,0	1,0
TD32SP	32	20	90	M6	8,0	31,0	1,0
TD34SP	34	20	90	M6	28,0	33,0	1,0
TD36SP	36	20	90	M8	10,0	35,0	1,0
TD38SP	38	20	90	M8	12,0	37,0	1,0
TD40SP	40	20	90	M8	15,0	39,0	1,0
TD42SP	42	20	90	M8	15,0	41,0	1,0
TD45SP	45	20	90	M8	15,0	44,0	1,0
TD50SP	50	20	90	M8	20,0	49,0	1,0
TD60SP	60	20	90	M8	26,0	59,0	1,0
TD65SP	65	20	90	M8	30,0	64,0	1,0
TD70SP	70	20	90	M8	30,0	69,0	1,0
TD75SP	75	20	90	M8	35,0	74,0	1,0
TD80SP	80	20	90	M8	40,0	79,0	1,0
TD90SP	90	20	90	M8	50,0	89,0	1,0
TD100SP	100	20	90	M8	60,0	90,0	1,0

Zollmaße bis 1/16"-stg. ohne Aufpreis

Imperial sizes up to 1/16"-step without extra charge

Spanndorne / Innenspannhülsen für Rohre
INDEX MSBar Feed Collets for Internal Gripping
INDEX MSAnschlag - *bedstop*Spannhülse - *collet*

Bestell-Nr. order-no.		Index Orig. Nr.	Schieber feeder	D / D ₂ **	S	A	d	L	Maschine
D104522 8.0 SP	Spannhülse <i>collet</i>	927434.1232	12	10,3	8	4	8	45	MS22 / MS40
ASD104522-**	Anschlag <i>sleeve</i>	927435.**31		13,0 - 23,0		4		32	
D104532 8.0 SP	Spannhülse <i>collet</i>	927535.1231	12	10,3	8	4	8	45	MS32
ASD104532-**	Anschlag <i>sleeve</i>	927536.**31		13,0 - 18,0		4		32	
D104640 8.0 SP	Spannhülse <i>collet</i>	927434.1233	12	10,3	8	4	8	46	MS22 / MS32 / MS40
ASD104640-**	Anschlag <i>sleeve</i>	927435.**32		13,0 - 23,0		4		26	
D164522 15.0 SP	Spannhülse <i>collet</i>	927535.1831	18	16	15	6	11	45	MS22 / MS32 / MS40
ASD164522-**	Anschlag <i>sleeve</i>	927536.**31		19,0 - 25,0		6		32	
D164632 15.0 SP	Spannhülse <i>collet</i>	927535.1841	18	16	15	6	11	46,5	MS22 / MS32 / MS40
ASD164632-**	Anschlag <i>sleeve</i>	927536.**41		19,0 - 25,0		6		26,5	
D184552 15.0 SP	Spannhülse <i>collet</i>	927934.1832	18	18	15	6	11	45	MS52
ASD184552-**	Anschlag <i>sleeve</i>	927975.**31		22,0 - 32,0				20	
D197040 15.0 SP	Spannhülse <i>collet</i>	927434.2332	23	19	15	8	14	70	MS40
ASD197040-**	Anschlag <i>sleeve</i>	927435.**31		24,0 - 32,0		8		52	
D196640 15.0 SP	Spannhülse <i>collet</i>	927434.2333	23	19	15	8	14	66,5	MS40
ASD196640-**	Anschlag <i>sleeve</i>	927435.**32		24,0 - 32,0				46,5	
D226632 15.0 SP	Spannhülse <i>collet</i>	927535.2531	25	22	15	8	15	66	MS32
ASD226632-**	Anschlag <i>sleeve</i>	927536.**31		26,0 - 36,0				46,5	
D277040 15.0 SP	Spannhülse <i>collet</i>	927434.3232	32	27	15	8	20	70	MS40
ASD277040-**	Anschlag <i>sleeve</i>	927435.**31		33,0 - 40,0		8		52	
D276140 15.0 SP	Spannhülse <i>collet</i>	927434.3233	32	27	15	8	20	61	MS40
ASD276140-**	Anschlag <i>sleeve</i>	927435.**32		33,0 - 40,0				41	
D327052 20.0 SP	Spannhülse <i>collet</i>	927934.3232	32	32	20	8	20	70	MS52
ASD327052-**	Anschlag <i>sleeve</i>	927975.**31		33,0 - 42,0				38	
D427052 20.0 SP	Spannhülse <i>collet</i>	927934.4232	42	42	20	8	20	70	MS52
ASD427052-**	Anschlag <i>sleeve</i>	927975.**31		43,0 - 52,0				38	
D1845IMS52 15.0 SP	Spannhülse <i>collet</i>		18	18	15	6	11	45	
D3270IMS52 20.0 SP	Spannhülse <i>collet</i>		32	32	20	8	20	70	
D4270IMS52 20.0 SP	Spannhülse <i>collet</i>		42	42	20	8	20	70	

Spannhülsen "Longlife" vulkanisiert

Bar Feed Collets "Longlife" vulcanized

Alle "Longlife"-Stahlausführungen auch vulkanisiert lieferbar

All "Longlife"-steel-types also available vulcanized



Vorteile:	advantages:
1. Lieferbar für alle Lademagazine	1. Available for all types of magazine bar loaders
2. Lange Lebensdauer bei angefasten Stangen	2. Long life (with chamfered bars)
3. Sehr gute Geräusch- und Schwingungsdämpfung	3. Excellent noise and vibration damping
4. Hohe Auszugskräfte	4. High pull out strength
5. Auch für 6-kt Material einsetzbar	5. Also usable for hexagonal material
6. Kein Auslaufen des Kühlschmierstoffes mehr	6. No more problems with los of coolant
7. Nur geringes Aufmaß auf den Nenndurchmesser	7. Only small oversize to the nominal diameter

Bei Bestellungen einfach "V" hinter die Bestell-Nr.

When ordering simply "V" after the order number

Beispiele: - *examples:*

D26L 24,5 V

TD45L 43,0 V

DX39L 37,5 V

Spanndorne / Innenspannhülsen vulkanisiert

Bar Feed Collets for Internal Gripping vulcanized

Alle Spanndorn-Stahlausführungen auch vulkanisiert lieferbar

All steel-type bar feed collets for internal gripping also vulcanized available



Vorteile:	advantages:
1. Lieferbar für alle Lademagazine	1. Available for all types of magazine bar loaders
2. Sehr gute Geräusch- und Schwingungsdämpfung	2. Excellent noise and vibration damping
3. Hohe Auszugskräfte	3. High pull out strength
4. Kein Auslaufen des Kühlschmierstoffes mehr	4. No more problems with los of coolant
5. Kein Aufmaß auf den Nenndurchmesser	5. No oversize to the nominal diameter

Bei Bestellungen einfach "V" hinter die Bestell-Nr.

When ordering simply "V" after the order number

Beispiele: - *examples:*

D26SP 20,0 V

TD45SP 35,0 V

DX39SP 16,0 V

Gummi Spannhülsen und Spanndorne
(Rohlinge)Rubber-Fix Bar Feed Collets and
Collets for Internal Gripping (Blank)

Für die meisten Lademagazine lieferbar

Available for the most types of magazine bar loaders



Vorteile:

1. Sehr gute Geräusch- und Schwingungsdämpfung
2. Hohe Auszugskräfte
3. Auch für 6-kt Material einsetzbar
4. Kein Auslaufen des Kühlschmierstoffes mehr
5. Großer Spannbereich - ca. 0,5 mm
6. Kein ungewolltes Öffnen von Spannsegmenten durch Zentrifugalkräfte
7. Auch als Notfall-Spannhülsen / Spanndorne (beliebiges Abdrehen oder Aufbohren auf Wunschmaß)
8. Kein Zerkratzen empfindlicher Oberflächen (Schmuck- + Medizintechnik)

advantages:

1. Excellent noise and vibration damping
2. High pull out strength
3. Also usable for hexagonal material
4. No more problems with loss of coolant
5. Larger clamping range
6. No loss of gripping power with high centrifugal forces
7. Also available as emergency version for sizing by customer
8. No scratching of sensitive surfaces (jewelry + medical technology)

Gummi-Spannhülsen
Rubber-Fix Bar Feed ColletsMaße wie Stahl-Ausführungen
Same dimensions as steel-types

D	TD	DJ	DX
Bestell-Nr. order-no.	Bestell-Nr. order-no.	Bestell-Nr. order-no.	Bestell-Nr. order-no.
D07G	TD25G	DI12G	DX19G
D10G	TD30G	DI15G	DX20G
D12G	TD32G	DI16G	
D15G	TD36G	DI20G	
D16G	TD38G	DI25G	
D18G	TD40G	DI30G	
D20G	TD42G	DI32G	
D22G	TD45G	DI42G	
D23G	TD50G		
D25G	TD60G		
D28G	TD65G		
D30G			
D32G			
D36G			

Gummi-Spanndorne
Rubber-Fix Bar Feed Collets for Internal GrippingMaße wie Stahl-Ausführungen
Same dimensions as steel-types

D	TD	DJ	DX
Bestell-Nr. order-no.	Bestell-Nr. order-no.	Bestell-Nr. order-no.	Bestell-Nr. order-no.
D10SPG	TD25SPG	DI12SPG	
D12SPG	TD30SPG	DI15SPG	
D15SPG	TD32SPG	DI16SPG	
D20SPG	TD36SPG	DI20SPG	
D22SPG	TD42SPG	DI22SPG	
D25SPG	TD50SPG	DI25SPG	
D32SPG		DI40SPG	
D36SPG			

Weitere Abmessungen auf Anfrage
Aufgebohrt / abgedreht auf Maß: Preis wie Standardhülsen,
Best.-Nr. mit Nennmaß ergänzen - z.B. TD32G 10,0

Other dimensions on request
Rebored / turned on measure: price like standard version,
When ordering simply the nominal size after the
Order number - e.g. TD32G 10,0

<i>Collet Sleeves</i>		Druckhülsen	12.1
<i>Cap Nuts for Collet Sleeves</i>		Überwurfmuttern für Druckhülsen	12.2
<i>Pressure Tubes Spacer Tubes</i>		Druckrohre Distanzstücke	12.3
<i>Chuck Lever Bearings Clamping Sleeves</i>		Spannfingerlager Spannmuffen	12.4
<i>Chuck Levers</i>		Spannfinger	12.5
<i>Sliding Sleeves</i>		Schiebehülsen	12.6
<i>Guide Bush Nuts</i>		Führungsbüchsen- Anzugsmuttern	12.7

Technische Informationen**Technical Informations****Ein Set besteht aus:**

Druckhülse
Überwurfmutter
Druckfeder
Führungsbüchsen-Anzugsmutter *
*(nur bei bei Hauptspindel und nur falls
vorhanden)

Set consists of:

*Collet Sleeve
Cap Nut for Collet Sleeves
Pressure Spring for Collets
Guide Bush Nut *
(only for main spindle and only if available)

Diese kann im Set bestellt werden, oder jeweils die
Einzelteile:

It could be ordered together (set) or apart:

Druckhülsen	Kap. 12.1	<i>Collet Sleeve</i>	<i>chapter 12.1</i>
Überwurfmuttern	Kap. 12.2	<i>Cap Nuts for Collet Sleeves</i>	<i>chapter 12.2</i>
Druckfedern für Spannzangen	Kap. 13.5	<i>Pressure Springs for Collets</i>	<i>chapter 13.5</i>
Führungsbüchsen-Anzugsmuttern	Kap. 12.7	<i>Guide Bush Nuts</i>	<i>chapter 12.7</i>

Bestell-Nr. bei Set-Bestellung:

Order-no. to order a set:

SET - Maschinenhersteller - Maschinentyp / Haupt- oder Gegenspindel / Zange
SET - machine manufacturer - machine type / main or sub spindle / collet

Beispiel:

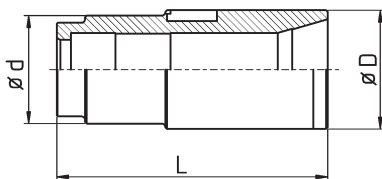
Example:

SET - STAR - SR20R / B / F27

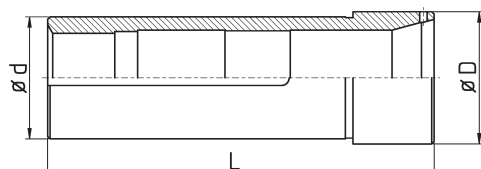
Druckhülsen

Collet Sleeves

DH-BENZ-TNI20/F20



DH-CIT-C32/A/F37



DH-CIT-A20/B/F25

Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	d	L	Zange collet	ÜM * nut
DH-BECH-A10//F14	BECHLER AR10		24	20	62	117E / F14	
DH-BENZ-TNI20/F20	BENZINGER TNI 20		33	30/26	75,9	138E / F20	
DH-BOLE-BC42//F48	BOLEY BC42		64,5	60	160,2	173E / F48	
DH-CIT-A20/AB/F25	CITIZEN A20	A + B	44	42/40	126	145E / F25	
DH-CIT-A32/A/F37	CITIZEN A32	A	61	58	171	1536E / F37	
DH-CIT-A32/B/F37	CITIZEN A32	B	58,1	54	147,7	1536E / F37	
DH-CIT-A32/B/F25	CITIZEN A32	B	58,1	54	147,7	145E / F25	
DH-CIT-B12/A/F15	CITIZEN B12	A	24,5	23	89	120E / F15	X
DH-CIT-B12/A/F16	CITIZEN B12	A	24,5	23	89	1212E / F16	X
DH-CIT-B12/B/F10v10	CITIZEN B12	B	28	23	90	109E / F10	X
DH-CIT-B12/B/F13	CITIZEN B12	B	28	23	90	116E / F13	X
DH-CIT-B12/B/F15	CITIZEN B12	B	28	23	90	120E / F15	X
DH-CIT-B12/B/F16	CITIZEN B12	B	28	23	90	1212E / F16	X
DH-CIT-C32/A/F37	CITIZEN C32	A	54	48	152,5	1536E / F37	X
DH-CIT-C32/B/F37	CITIZEN C32	B	53	49	147,5	1536E / F37	X
DH-CIT-E16/B/F25	CITIZEN E16	B	45	38	134,5	145E / F25	X
DH-CIT-E32/A/F37	CITIZEN E32	A	59	50	142	1536E / F37	
DH-CIT-E32/B/F37	CITIZEN E32	B	59	50	160	1536E / F37	
DH-CIT-K12/A/F15	CITIZEN K12	A	33	28	180	120E / F15	
DH-CIT-K12/A/F16	CITIZEN K12	A	33	28	180	1212E / F16	
DH-CIT-K12/B/F8v10	CITIZEN K12	B	30	30	107	101E / F8	X
DH-CIT-K12/B/F10v15	CITIZEN K12	B	30	30	126	109E / F10	X
DH-CIT-K12/B/F13	CITIZEN K12	B	30	30	110	116E / F13	X
DH-CIT-K12/B/F15	CITIZEN K12	B	30	30	110	120E / F15	X
DH-CIT-K12/B/F15v15	CITIZEN K12	B	30	30	128	120E / F15	X
DH-CIT-K12/B/F16	CITIZEN K12	B	30	30	110	1212E / F16	X
DH-CIT-K16/A/F20	CITIZEN K16	A	33	28	180	138E / F20	
DH-CIT-K16/A/F22	CITIZEN K16	A	33	28	180	140E / F22	
DH-CIT-K16/B/F20	CITIZEN K16	B	33	30	110	138E / F20	X
DH-CIT-L16/A/F25	CITIZEN L16VI/VII; M20; L20	A	46	35	103	145E / F25	X
DH-CIT-L16/B/F15v	CITIZEN L16	B	44	35	141,5	120E / F15	X
DH-CIT-L16/B/F16v	CITIZEN L16	B	44	35	141,5	1212E / F16	X
DH-CIT-L16/B/F20	CITIZEN L16	B	44	35	121,5	138E / F20	X

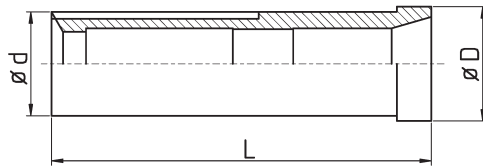
A = Hauptspindel - *main spindle* B = Abgreifspindel - *sub spindle*

* ÜM = passende Überwurfmutter erhältlich - *nut = compatible nut available*

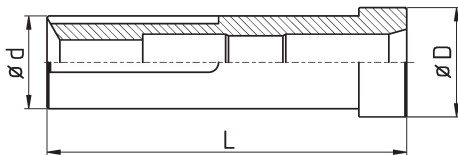
Druckhülsen

Collet Sleeves

DH-CIT-M216/B/F20



DH-CIT-ML12/A/F16



DH-CIT-ML12/A/F16

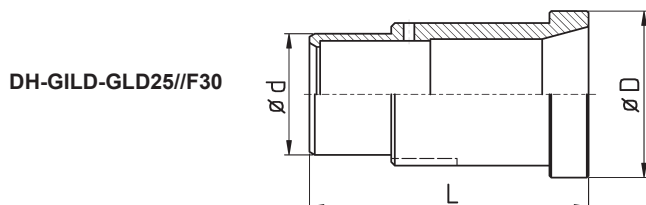
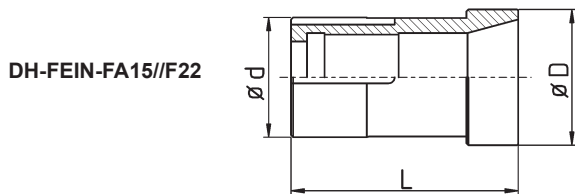
Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	d	L	Zange collet	ÜM nut *
DH-CIT-L16/B/F25	CITIZEN L16VII; M20	B	44	35	121,5	145E / F25	X
DH-CIT-L520/A/F25	CITIZEN L520VIII	A	41,5	35	198	145E / F25	X
DH-CIT-L520/B/F25	CITIZEN L520VIII	B	41	35	121,5	145E / F25	X
DH-CIT-M12/B/F13	CITIZEN M12	B	28	24,5	98	116E / F13	X
DH-CIT-M12/B/F15	CITIZEN M12	B	28	24,5	98	120E / F15	X
DH-CIT-M16/A/F16	CITIZEN M16	A	36	30	108,7	1212E / F16	
DH-CIT-M16/A/144E	CITIZEN M16	A	36	30	110	144E / F25	
DH-CIT-M16/B/F10v15	CITIZEN M16	B	33	30	127,5	109E / F10	X
DH-CIT-M16/B/F13	CITIZEN M16	B	33	30	110	116E / F13	X
DH-CIT-M16/B/F16	CITIZEN M16	B	30	30	108,7	1212E / F16	X
DH-CIT-M216/A/F20	CITIZEN M ₂ 16	A	36	30	110	138E / F20	
DH-CIT-M216/A/F22	CITIZEN M ₂ 16	A	36	30	110	140E / F22	
DH-CIT-M216/B/F13v15	CITIZEN M ₂ 16	B	33	30	128	116E / F13	X
DH-CIT-M216/B/F15	CITIZEN M ₂ 16	B	33	30	110	120E / F15	X
DH-CIT-M216/B/F15v15	CITIZEN M ₂ 16	B	33	30	128	120E / F15	X
DH-CIT-M216/B/F16v15	CITIZEN M ₂ 16	B	33	30	128	1212E / F16	X
DH-CIT-M216/B/F20	CITIZEN M ₂ 16	B	33	30	110	138E / F20	X
DH-CIT-M216/B/F22	CITIZEN M ₂ 16	B	33	30	110	140E / F22	X
DH-CIT-M32/A/F37	CITIZEN M32	A	53,8	48	155	1536E / F37	X
DH-CIT-M32/B/F37	CITIZEN M32	B	53	49	147,5	1536E / F37	X
DH-CIT-M432/A/F37	CITIZEN M ₄ 32	A	58,5	54	152,5	1536E / F37	X
DH-CIT-M432/A/F25	CITIZEN M ₄ 32	A	58,5	54	152,5	145E / F25	X
DH-CIT-M432/A/F20	CITIZEN M ₄ 32	A	58,5	54	152,5	138E / F20	X
DH-CIT-M432/B/F37	CITIZEN M ₄ 32	B	53	50	147,5	1536E / F37	X
DH-CIT-M432/B/F25	CITIZEN M ₄ 32	B	53	50	147,5	145E / F25	X
DH-CIT-M432/B/F20	CITIZEN M ₄ 32	B	53	50	150,5	138E / F20	X
DH-CIT-ML12/A/F13	CITIZEN ML12	A	33	28	109	116E / F13	X
DH-CIT-ML12/A/F15	CITIZEN ML12	A	33	28	109	120E / F15	X
DH-CIT-ML12/A/F16	CITIZEN ML12	A	33	28	109	1212E / F16	X
DH-CIT-R04//F8	CITIZEN R04		21	15,5	84,3	101E / F8	
DH-CIT-R07/B/F8	CITIZEN R07	B	21,7	21	84,3	101E / F8	X
DH-CIT-R07/B/F10	CITIZEN R07	B	23,7	21	80	109E / F10	X
DH-CIT-R07/B/F13	CITIZEN R07	B	23,7	21	79,5	116E / F13	
DH-CIT-R07/B/F15	CITIZEN R07	B	23,7	21	79,5	120E / F15	X
DH-CIT-R07/B/F16	CITIZEN R07	B	23,7	21	79,5	1212E / F16	X
DH-ERGO-B60//F66	ERGOMAT B60		88	74	138	185E / F66	

A = Hauptspindel - *main spindle* B = Abgreifspindel - *sub spindle*

* ÜM = passende Überwurfmutter erhältlich - *nut = compatible nut available*

Druckhülsen

Collet Sleeves



DH-GILD-GLD25//F30

Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	d	L	Zange collet	ÜM nut	*
DH-FEIN-FA10//F15	FEINLER FA10		24	20	86	120E / F15		X
DH-FEIN-FA15//F22	FEINLER FA15		37/32	27	61	140E / F22		X
DH-GAUT-GM12//F15	GAUTHIER GM12; GM127		24	18	97,8	120E / F15		
DH-GAUT-GM127//F15	GAUTHIER GM127		24	20	85	120E / F15		
DH-GILD-GD16//F20	GILDEMEISTER GD16		30,6	26	76	136E / F20		
DH-GILD-GLD25//F30	GILDEMEISTER GLD25		47/40	34	78,5	1446E / F30		
DH-GILD-SPRINT20//F25	GILDEMEISTER SPRINT 20		40,7	37	89,5	145E / F25		
DH-GILD-SPRINT42/A/F48	GILDEMEISTER SPRINT 42	A	65	57	118,6	173E / F48		
DH-GILD-SPRINT42/B/F48	GILDEMEISTER SPRINT 42	B	65	57	110,5	173E / F48		
DH-HAN-B12//F16	HANWHA B12		24,5	23	89	1212E / F16		
DH-HAN-STL38H/A/F48	HANWHA STL38H	A	70	56	139,2	F42		
DH-HAN-STL38H/B/F42	HANWHA STL38H	B	58,8	52	137,1	173E / F48		
DH-HAN-ML26//F32	HANWHA ML26		48/46	44	100,5	173E / F48		
DH-INDE-12//136E	INDEX 12		38	28	68	136E/F20		X
DH-INDE-12//F22	INDEX 12		38	28	68	140E / F22		X
DH-INDE-18//F22	INDEX 18		46	34	82	140E / F22		X
DH-INDE-18//F28	INDEX 18		46	34	82	148E / F28*		X
DH-INDE-25//F27	INDEX 25		52	42	82	147E / F27		X
DH-INDE-25//F28	INDEX 25		52	42	82	148E / F28		X
DH-INDE-25//162E	INDEX 25		52	42	82	162E / F35*		X
DH-INDE-52//F48	INDEX 52		94	74	108	173E / F48		X
DH-INDE-52//F66	INDEX 52		94	74	108	185E / F66*		X
DH-INDE-B30//F28	INDEX B30; C29; E26; ER26; INDEX24		58	42	92	148E / F28		
DH-INDE-B30//162E	INDEX B30; C29; E26; ER26; INDEX24		58	42	92	162E / F35		
DH-INDE-B30//F35	INDEX B30; C29; E26; ER26; INDEX24		58	42	92	163E / F35*		X
DH-INDE-B42//F32	INDEX B42; 36; E42; ER42		70	56	104	161E / F32		
DH-INDE-B42//F35	INDEX B42; 36; E42; ER42		70	56	104	163E / F35		X
DH-INDE-B42//F48	INDEX B42; 36; E42; ER42		70	56	104	173E / F48*		X
DH-INDE-B60//F48	INDEX B60; ER60; E60		94	74	120	173E / F48		X
DH-INDE-B60//F66	INDEX B60; ER60; E60		94	74	120	185E / F66*		X

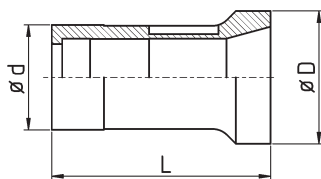
A = Hauptspindel - *main spindle* B = Abgreifspindel - *sub spindle*

* ÜM = passende Überwurfmutter erhältlich - *nut = compatible nut available*

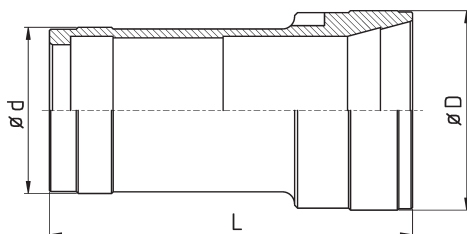
Druckhülsen

Collet Sleeves

DH-INDE-DG12//F22



DH-SPIN-PD42//F48



DH-SPIN-PD42//F48

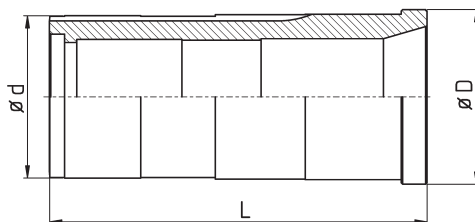
Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	d	L	Zange collet	ÜM nut *
DH-INDE-C19//F28	INDEX C19		48	34	82	148E / F28	X
DH-INDE-DG12//F22	INDEX DG12		38	30	63,5	140E / F22	X
DH-INDE-DG12//143E	INDEX DG12		38	30	63,5	143E / F25*	X
DH-INDE-GSC65//F66	INDEX GSC65		94	80	163	185E / F66	
DH-INDE-MS25/A/144E	INDEX MS25	A	38	30	63,5	144E / F25	
DH-INDE-MS25/A/9039E	INDEX MS25	A	38	30	63,5	9039E/SY	
DH-INDE-MS25/B/144E	INDEX MS25	B	38	30	73	144E / F25	
DH-INDE-MS25/B/9039E	INDEX MS25	B	38	30	73	9039E/SY	
DH-INDE-ON12//136E	INDEX ON12; OR12		32	30	64	136E / F20	X
DH-INDE-RN08//F17	INDEX RN08		28	24	64	125E / F17	
DH-MAIE-ML26/A/F32	MAIER ML26	A	48	46	101,2	161E / F32	
DH-SAIC-B30//F32	SAIC B30		55	42	96	161E / F32	X
DH-SAIC-B30//F35	SAIC B30		55	42	96	163E / F35	X
DH-SCHE-PM1//F22	SCHERER Feinbau PM1					140E / F22	
DH-SPIN-PD42//F48	SPINNER PD42		66	55	120	173E / F48	X
DH-SPIN-TC32//F35	SPINNER TC32		66	55	120	163E / F35	X
DH-SPIN-TC32//F38	SPINNER TC32		53	45	128,4	164E / F38	X
DH-STEI-STF16//F20	STEINHÄUSER STF16		35	28	78	138E / F20	
DH-STEI-STF36//F42	STEINHÄUSER STF42		62	50	110	171E / F42	
DH-STRO-M105//F15	STROHM M105 - 125		24	20	86	120E / F15	X
DH-STRO-M125SJ//F15	STROHM M125SJ		27/24	20	86	120E / F15	X
DH-STRO-M205//F25	STROHM M205		40	35	100	145E / F25	X
DH-STRO-M255//F25	STROHM M255		45	38	110	145E / F25	
DH-STRO-M255//157E	STROHM M255		45	38	110	157E / F30	X
DH-STRO-M4//F8	STROHM M4-5; TORNOS M4		15	12	66	101E / F8	

A = Hauptspindel - *main spindle* B = Abgreifspindel - *sub spindle*
 * ÜM = passende Überwurfmutter erhältlich - *nut = compatible nut available*

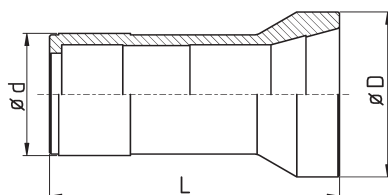
Druckhülsen

Collet Sleeves

DH-TORN-SIGMA32/A/F37



DH-TRAU-TD26//F32



DH-TRAU-TD26//F32

Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	d	L	Zange collet	ÜM nut *
DH-TORN-DECO2000-10//F13	TORNOS Deco2000/10		24/22	18	84,9	116E / F13	
DH-TORN-DECO2000-13//136E	TORNOS Deco2000/13		30	30	91	136E / F20	X
DH-TORN-DECO2000-20//F25	TORNOS Deco2000/20		42/40	38	105	145E / F25	
DH-TORN-DECO2000-20//F30	TORNOS Deco2000/20		44/40	38	110	1446E / F30	
DH-TORN-DECO2000-25//F37	TORNOS Deco2000/25-26		54	50	130	1536E / F37	
DH-TORN-ENC164//136E	TORNOS ENC164		30	30	69	136E / F20	
DH-TORN-ENC262//F30	TORNOS ENC262-264		44	42	105	1446E / F30	
DH-TORN-M15//F20	TORNOS M15		32	28	95	138E / F20	
DH-TORN-M20//F25	TORNOS M20		40	33	109,7	145E / F25	
DH-TORN-MS7//F13	TORNOS MS7		24/22	18	85	116E / F13	
DH-TORN-R10//F15	TORNOS R10		26	22	90	120E / F15	X
DH-TORN-R16//F20	TORNOS R16		33	23	114	138E / F20	
DH-TORN-SIGMA32/A/F37	TORNOS Sigma32	A	57/54	53	124	1536E / F37	
DH-TORN-SIGMA32/A/F42	TORNOS Sigma32	A	57/54	53	124	171E / F42	
DH-TORN-T4//F8	TORNOS T4		15	15	51	101E / F8	
DH-TRAU-A15//F22	TRAUB A15		33	33	52	140E / F22	X
DH-TRAU-A20//F22	TRAUB A20		42	34	67	140E / F22	X
DH-TRAU-A20//F28	TRAUB A20		42	34	67	148E / F28*	X
DH-TRAU-A25//F22	TRAUB A25		52	37	96	140E / F22	X
DH-TRAU-A25//F32	TRAUB A25		52	37	96	161E / F32	X
DH-TRAU-A26//F32	TRAUB A26		52	40	96	161E / F32	X
DH-TRAU-A36//F42	TRAUB A36		63	52	116	171E / F42	
DH-TRAU-A42//F32	TRAUB A42; TB42		75/68	54	114	161E / F32	X
DH-TRAU-A42//F48	TRAUB A42; TB42		75/68	54	114	173E / F48*	X
DH-TRAU-A60//F48	TRAUB A60		93/86	74	114	173E / F48	X
DH-TRAU-A60//F66	TRAUB A60		93/86	74	114	185E / F66*	X
DH-TRAU-TB60//F48	TRAUB TB60		93/86	74	138	173E / F48	X
DH-TRAU-TB60//F66	TRAUB TB60		93/86	74	138	185E / F66*	X
DH-TRAU-TC15//F22	TRAUB TC15		38	28	70	140E / F22	
DH-TRAU-TD16//F22	TRAUB TD16		40	28	70	140E / F22	
DH-TRAU-TD26//F32	TRAUB TD26		54	40	95	161E / F32	X
DH-TRAU-TD36//F32	TRAUB TD36		68	50	115	161E / F32	X
DH-TRAU-TF60//F66	TRAUB TF60		95	82	138	185E / F66	
DH-TRAU-TNF60//F66	TRAUB TNF60/140		95	75	138	185E / F66	X

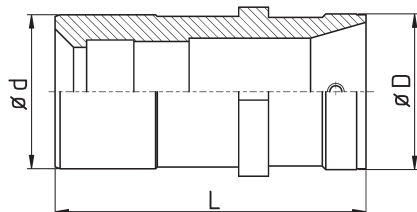
A = Hauptspindel - *main spindle* B = Abgreifspindel - *sub spindle*

* ÜM = passende Überwurfmutter erhältlich - *nut = compatible nut available*

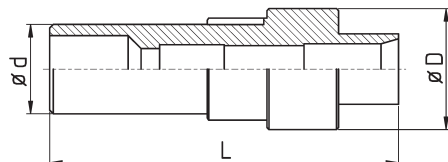
Druckhülsen

Collet Sleeves

DH-TRAU-TNL26/B/157E



DH-TSUG-HS207/B/F15v15



DH-TRAU-TNL16/F20

Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	d	L	Zange collet	ÜM nut *
DH-TRAU-TNL12/A/F15	TRAUB TNL12	A	25	25	75	120E / F15	
DH-TRAU-TNL12/B/F15	TRAUB TNL12	B	25	21	88	120E / F15	
DH-TRAU-TNL12//F16	TRAUB TNL12		25	25	75	1212E / F16	
DH-TRAU-TNL127//136E	TRAUB TNL12/7		26,9	25	76	136E / F20	
DH-TRAU-TNL12//144E	TRAUB TNL12/16		35	30	88	144E / F25	
DH-TRAU-TNL12K//F15	TRAUB TNL12K		30	30	75	120E / F15	
DH-TRAU-TNL12K//F16	TRAUB TNL12K		30	30	75	1212E / F16	
DH-TRAU-TNL16//F20	TRAUB TNL16		35	30	88	138E / F20	
DH-TRAU-TNL16//144E	TRAUB TNL16		35	30	88	144E / F25	
DH-TRAU-TNL26/A/157E	TRAUB TNL26	A	54	46	122,2	157E / F30	
DH-TRAU-TNL26/B/157E	TRAUB TNL26	B	46,5	50,5/46	92,8	157E / F30	
DH-TRAU-TNS42//F48	TRAUB TNS42		70	60	135	173E / F48	
DH-TRAU-TNS42//F58	TRAUB TNS42		70	60	135	177E / F58	
DH-TSUG-BS32//F37	TSUGAMI BS32		47	45	129	1536E / F37	
DH-TSUG-HS207/B/F15v15	TSUGAMI HS207	B	38/32	28	111,1	120E / F15	X
DH-TSUG-HS207/B/F25	TSUGAMI HS207	B	38/32	28	92	145E / F25	X

A = Hauptspindel - *main spindle* B = Abgreifspindel - *sub spindle*

* ÜM = passende Überwurfmutter erhältlich - *nut = compatible nut available*

Druckhülsen, STAR

Collet Sleeves, STAR

Identische Druckhülsen unterschiedlicher Maschinentypen
Identical collet sleeves for different machine types

Spindel <i>spindle</i>	A	B	Standardzange <i>standard collet</i>	Spindel <i>spindle</i>	A	B	Standardzange <i>standard collet</i>	Spindel <i>spindle</i>	A	B	Standardzange <i>standard collet</i>
Maschine <i>machine</i>				Maschine <i>machine</i>				Maschine <i>machine</i>			
SR10J	1		F15 / 120E	SR20R I / II / III	7	11	F25 / 145E	SV32	13	15	F37 / 1536E
SW7	1			ECAS20	7	12		ECAS32	13	15	
SA12	2	4	SV20	8	11	SR32J (neu)		13	15		
SB12	2	4	SB20	8	11	SV32J		13	15		
SA16	2	4	SR20J	8	11	SR32JN		13	15		
SB16	2	4	SR20JN	8	11	SR32		14	15		
RNC16 (neu)	2		SR20R IV	9	12	SR32J (alt)		14	15		
SV12	3		SR20	10	11	VNC32		14	15		
ECAS12	3	5	F20 / 138E	VNC20	10			KNC32	14	15	
ECAS16		5		KNC20	10						
SST16	2	6		SB20RE	7	11					
SA16R	3	4		SB20RN	9						
SR16	2	6		SB20RG	9	11					
JNC16	2										
KJR16	2	6									
SR16R	3										

Hauptspindel (A)
Gegenspindel (B)

main spindle (A)
sub spindle (B)

Maschinen mit gleicher Nummer haben identische Druckhülsen.

Machines with identical number have identical collet sleeves.

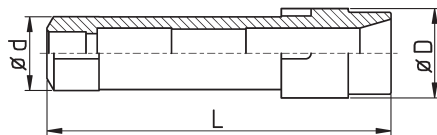
Ist keine Nummer angegeben, gibt es keine weiteren kompatiblen Maschinen
Sind die Druckhülsen mehrerer Maschinen miteinander kompatibel, werden nur die Druckhülsen der blau unterlegten Maschinen in den Maßtabellen aufgeführt.

*If a number is not specified there is no other compatible machine.
If collet sleeves of different machines are identical only the blue marked machine types will be found in the list.*

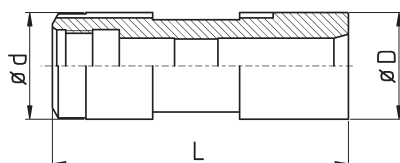
Druckhülsen, STAR

Collet Sleeves, STAR

DH-STAR-SR10J/B/F13v10



DH-STAR-SA12/B/F15



DH-STAR-SA12/B/F15

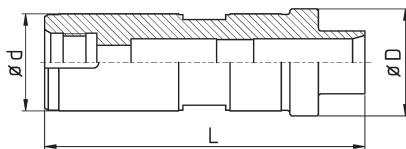
Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	d	L	Zange collet	ÜM nut *
DH-STAR-SR10J/A/F8v	STAR SR10J	A	27	21	83	101E / F8	
DH-STAR-SR10J/A/F15	STAR SR10J	A	27	21	83	120E / F15	X
DH-STAR-SR10J/B/F8	STAR SR10J	B	24	20	82,5	101E / F8	X
DH-STAR-SR10J/B/F8v10	STAR SR10J	B	24	20	92,5	101E / F8	X
DH-STAR-SR10J/B/F10v15	STAR SR10J	B	24	20	97,5	109E / F10	X
DH-STAR-SR10J/B/F13	STAR SR10J	B	24	20	81	116E / F13	X
DH-STAR-SR10J/B/F13v10	STAR SR10J	B	24	20	92,5	116E / F13	X
DH-STAR-SR10J/B/F13v15	STAR SR10J	B	24	20	97,5	116E / F13	X
DH-STAR-SR10J/B/F15	STAR SR10J	B	24	20	81	120E / F15	X
DH-STAR-SW7/B/F7v15	STAR SW7	B	27	21	109	1010E / F7	X
DH-STAR-SW7/B/F8	STAR SW7	B	27	21		101E / F8	X
DH-STAR-SW7/B/F8v	STAR SW7	B	27	21		101E / F8	X
DH-STAR-SW7/B/F10v15	STAR SW7	B	27	21	109	109E / F10	X
DH-STAR-SW7/B/F13v10	STAR SW7	B	27	21		116E / F13	X
DH-STAR-SW7/B/F13v15	STAR SW7	B	27	21		116E / F13	X
DH-STAR-SW7/B/F15	STAR SW7	B	27	21	90	120E / F15	X
DH-STAR-SA12/A/F20	STAR SA12	A	42	34	87	138E / F20	X
DH-STAR-SA12/A/F22	STAR SA12	A	42	34	87	140E / F22	
DH-STAR-SA12/A/144E	STAR SA12	A	42	34	87	144E / F25	
DH-STAR-SA12/B/F8v15	STAR SA12	B	31,5	31,5	105	101E / F8	X
DH-STAR-SA12/B/F10v10	STAR SA12	B	31,5	31,5	99,7	109E / F10	X
DH-STAR-SA12/B/F10v15	STAR SA12	B	31,5	31,5	104,7	109E / F10	X
DH-STAR-SA12/B/F13v15	STAR SA12	B	31,5	31,5	105	116E / F13	X
DH-STAR-SA12/B/F15	STAR SA12	B	31,5	31,5	88,5	120E / F15	X
DH-STAR-SA12/B/F20	STAR SA12	B	31,5	31,5	87,5	138E / F20	X
DH-STAR-SV12/A/F15	STAR SV12	A	39,5	34	93	120E / F15	
DH-STAR-SV12/A/F20	STAR SV12	A	39,5	34	93	138E / F20	X
DH-STAR-RNC16/B/F20	STAR RNC16	B	31	26	90	138E / F20	X
DH-STAR-RNC16/B/F20v15	STAR RNC16	B	31	26	105	138E / F20	X
DH-STAR-RNC16alt/B/F15	STAR RNC16 alt	B	25	24	90	120E / F15	X
DH-STAR-RNC16alt/B/F18	STAR RNC16 alt	B	25	24	90	128E / F18	X

A = Hauptspindel - *main spindle* B = Abgreifspindel - *sub spindle*
 * ÜM = passende Überwurfmutter erhältlich - *nut = compatible nut available*

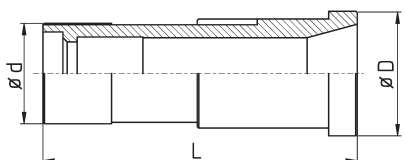
Druckhülsen, STAR

Collet Sleeves, STAR

DH-STAR-ECAS12/B/F15v15



DH-STAR-SR20R/A/F25



DH-STAR-SR20R/A/F25

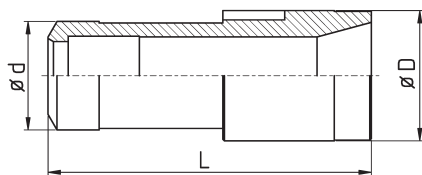
Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	d	L	Zange collet	ÜM nut *
DH-STAR-ECAS12/B/F8v15	STAR ECAS12	B	37,5	34	113,5	101E / F8	X
DH-STAR-ECAS12/B/F10v15	STAR ECAS12	B	37,5	34	113,5	109E / F10	X
DH-STAR-ECAS12/B/F15v15	STAR ECAS12	B	37,5	34	112,3	120E / F15	X
DH-STAR-ECAS12/B/F20	STAR ECAS12	B	37,5	34	96	138E / F20	X
DH-STAR-SR16/B/F20	STAR SR16	B	35	31	122	138E / F20	
DH-STAR-SR16R/B/F20	STAR SR16R	B	42	35	101	138E / F20	X
DH-STAR-SR20R/A/F15	STAR SR20R I / II / III	A	43,4	38/34	114	120E / F15	X
DH-STAR-SR20R/A/F16	STAR SR20R I / II / III	A	43,4	38/34	114	1212E / F16	X
DH-STAR-SR20R/A/F20	STAR SR20R I / II / III	A	43,4	38/34	110	138E / F20	X
DH-STAR-SR20R/A/F25	STAR SR20R I / II / III	A	43,4	38/34	110	145E / F25	X
DH-STAR-SR20R/A/F27	STAR SR20R I / II / III	A	43,4	38/34	110	147E / F27	X
DH-STAR-SR20R/B/F8v15	STAR SR20R I / II / III	B	42	35	121,5	101E / F8	X
DH-STAR-SR20R/B/F10v15	STAR SR20R I / II / III	B	42	35	121,5	109E / F10	X
DH-STAR-SR20R/B/F13v15	STAR SR20R I / II / III	B	42	35	121,5	116E / F13	X
DH-STAR-SR20R/B/F15	STAR SR20R I / II / III	B	42	35	105	120E / F15	X
DH-STAR-SR20R/B/F15v15	STAR SR20R I / II / III	B	42	35	120,3	120E / F15	X
DH-STAR-SR20R/B/F15v8	STAR SR20R I / II / III	B	42	35	115,3	120E / F15	X
DH-STAR-SR20R/B/F20	STAR SR20R I / II / III	B	42	35	101	138E / F20	X
DH-STAR-SR20R/B/136E	STAR SR20R I / II / III	B	42	35	106	136E / F20	X
DH-STAR-SR20R/B/F20v12	STAR SR20R I / II / III	B	42	35	116	138E / F20	X
DH-STAR-SR20R/B/F25	STAR SR20R I / II / III	B	42	35	101	145E / F25	X
DH-STAR-SR20R/B/F27	STAR SR20R I / II / III	B	42	35	101	147E / F27	X
DH-STAR-SR20R/B/F27L #	STAR SR20R I / II / III	B	42	35	103	147E / F27	X
DH-STAR-SV20/A/F15	STAR SV20	A	42	35	104	120E / F15	
DH-STAR-SV20/A/F20	STAR SV20	A	42	35	104	138E / F20	
DH-STAR-SV20/A/F25	STAR SV20	A	42	35	104	145E / F25	X
DH-STAR-SV20/A/F27	STAR SV20	A	42	35	104	147E / F27	X
DH-STAR-SR20JN/A/F10v8	STAR SR20JN	A	42	35	114	109E / F10	X
DH-STAR-SR20JN/A/F25	STAR SR20JN	A	42	35	101	145E / F25	X
DH-STAR-SR20JN/A/F27	STAR SR20JN	A	42	35	103	147E / F27	X

A = Hauptspindel - *main spindle* B = Abgreifspindel - *sub spindle*
 * ÜM = passende Überwurfmutter erhältlich - *nut = compatible nut available*
 # verlängert auf normale Länge - *extended to normal length*

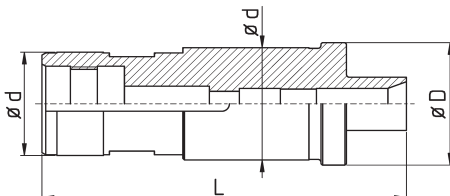
Druckhülsen, STAR

Collet Sleeves, STAR

DH-STAR-SR20/A/F27



DH-STAR-ECAS20/B/F10v15



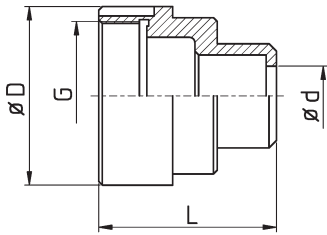
DH-STAR-ECAS20/B/F10v15

Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	d	L	Zange collet	ÜM nut *
DH-STAR-SR20R4/A/F25	STAR SR20RIV	A	43,5	38/35	107	145E / F25	X
DH-STAR-SR20R4/A/F27	STAR SR20RIV	A	43,5	38/35	109	147E / F27	X
DH-STAR-SR20/A/F10v15	STAR SR20	A	42	35	122	109E / F10	X
DH-STAR-SR20/A/F25	STAR SR20	A	42	35	104,5	145E / F25	X
DH-STAR-SR20/A/F27	STAR SR20	A	42	35	104,5	147E / F27	X
DH-STAR-KJR25/A/157E	STAR KJR25	A	53	46	103	157E / F30	X
DH-STAR-KJR25/A/F35	STAR KJR25	A	53	46	103	162E / F35	X
DH-STAR-KJR25/B/157E	STAR KJR25	B	47	46/41	142	157E / F30	X
DH-STAR-ECAS20/B/F8v15	STAR ECAS20	B	41,5	38/35	122	101E / F8	X
DH-STAR-ECAS20/B/F10v15	STAR ECAS20	B	41,5	38/35	121,5	109E / F10	X
DH-STAR-ECAS20/B/F15v15	STAR ECAS20	B	41,5	38/35	120,8	120E / F15	X
DH-STAR-ECAS20/B/F16v15	STAR ECAS20	B	41,5	38/35	120,8	1212E / F16	X
DH-STAR-ECAS20/B/F20	STAR ECAS20	B	41,5	38/35	104,5	138E / F20	X
DH-STAR-ECAS20/B/F25	STAR ECAS20	B	41,5	38/35	101,5	145E / F25	X
DH-STAR-ECAS20/B/F27	STAR ECAS20	B	41,5	38/35	101,6	147E / F27	X
DH-STAR-ECAS20/B/F27L #	STAR ECAS20	B	41,5	38/35	104,5	147E / F27	X
DH-STAR-SV32/A/F25	STAR SV32	A	56	48	140	145E / F25	
DH-STAR-SV32/A/F30	STAR SV32	A	56	48	140	1446E / F30	
DH-STAR-SV32/A/F37	STAR SV32	A	56	48	140	1536E / F37	X
DH-STAR-SV32/A/F40	STAR SV32	A	56	48	140	F40	X
DH-STAR-SV32/B/F15v30	STAR SV32	B	55	51	157,1	120E / F15	
DH-STAR-SV32/B/F20v20	STAR SV32	B	55	51	148	138E / F20	
DH-STAR-SV32/B/F25	STAR SV32	B	55	51	125	145E / F25	
DH-STAR-SV32/B/F30	STAR SV32	B	55	51	129	1446E / F30	
DH-STAR-SV32/B/F37	STAR SV32	B	55	51	125	1536E / F37	X
DH-STAR-SV32/B/F40	STAR SV32	B	55	51	125	F40	X
DH-STAR-SR32/A/F37	STAR SR32	A	56	48	136	1536E / F37	X
DH-STAR-ST38/A/F37	STAR ST38	A	70	63,5/60	131,5	1536E / F37	X
DH-STAR-ST38/A/F42	STAR ST38	A	70	63,5/60	133	F42	X
DH-STAR-ST38/A/F48	STAR ST38	A	70	63,5/60	133	173E / F48	X
DH-STAR-ST38/B/F37	STAR ST38	B	70	63,5/60	131,5	1536E / F37	X
DH-STAR-ST38/B/F42	STAR ST38	B	70	63,5/60	133	F42	X
DH-STAR-ST38/B/F48	STAR ST38	B	70	63,5/60	133	173E / F48	X

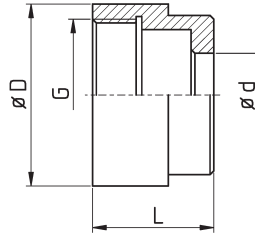
A = Hauptspindel - *main spindle* B = Abgreifspindel - *sub spindle*
 * ÜM = passende Überwurfmutter erhältlich - *nut = compatible nut available*
 # verlängert auf normale Länge - *extended to normal length*

Überwurfmutter für Druckhülsen

Cap Nuts for Collet Sleeves



MU-CIT-K12/B/F15v15



MU-CIT-M216/B/F20



MU-CIT-M216/B/F20

Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	G	L	Zange collet
MU-CIT-B12/A/F15	CITIZEN B12	A	42	M32x1	32	120E / F15
MU-CIT-B12/A/F16	CITIZEN B12	A	42	M32x1	21	1212E / F16
MU-CIT-B12/B/F10v10	CITIZEN B12	B	42	M32x1	35	109E / F10
MU-CIT-B12/B/F13	CITIZEN B12	B	42	M32x1		116E / F13
MU-CIT-B12/B/F15	CITIZEN B12	B	42	M32x1	25	120E / F15
MU-CIT-B12/B/F16	CITIZEN B12	B	42	M32x1	25	1212E / F16
MU-CIT-E16/B/F25	CITIZEN E16	B	66	M50x1,5	42	145E / F25
MU-CIT-E32/A/F37	CITIZEN E32	A	92	M75x1,5	42	1536E / F37
MU-CIT-E32/B/F37	CITIZEN E32	B	80	M70x1,5	43	1536E / F37
MU-CIT-K12/B/F10v15	CITIZEN K12	B	48	M40x1,5	47	109E / F10
MU-CIT-K12/B/F13	CITIZEN K12	B	48	M40x1,5	32	116E / F13
MU-CIT-K12/B/F15	CITIZEN K12	B	48	M40x1,5	32	120E / F15
MU-CIT-K12/B/F15v15	CITIZEN K12	B	48	M40x1,5	47	120E / F15
MU-CIT-K12/B/F16	CITIZEN K12	B	48	M40x1,5	32	1212E / F16
MU-CIT-K12/B/F8v10	CITIZEN K12	B	48	M40x1,5	42	101E / F8
MU-CIT-K16/B/F20	CITIZEN K16	B	48	M40x1,5	32	138E / F20
MU-CIT-L16/A/F25	CITIZEN L16VI/VII; M20; L20	A	66	M50x1,5	43	145E / F25
MU-CIT-L16/B/F15v	CITIZEN L16VII; M20	B	60	M50x1,5		120E / F15
MU-CIT-L16/B/F16v	CITIZEN L16VII; M20	B	60	M50x1,5		1212E / F16
MU-CIT-L16/B/F20	CITIZEN L16VII; M20	B	60	M50x1,5	38	138E / F20
MU-CIT-L16/B/F25	CITIZEN L16VII; M20	B	60	M50x1,5	40	145E / F25
MU-CIT-L16I/A/F25	CITIZEN L16I	A	60	M50x1,5	55	145E / F25
MU-CIT-L520/A/F25	CITIZEN L520VIII	A	60	M50x1,5	58	145E / F25
MU-CIT-L520/B/F25	CITIZEN L520VIII	B	60	M50x1,5	47	145E / F25
MU-CIT-M12/B/F13	CITIZEN M12	B	45	M35x1,5		116E / F13
MU-CIT-M12/B/F15	CITIZEN M12	B	45	M35x1,5	32	120E / F15
MU-CIT-M16/B/F10v15	CITIZEN M16	B		M40x1,5		109E / F10
MU-CIT-M16/B/F13	CITIZEN M16	B		M40x1,5		116E / F13
MU-CIT-M16/B/F16	CITIZEN M16	B		M40x1,5		1212E / F16
MU-CIT-M216/B/F13v15	CITIZEN M216	B	48	M40x1,5	47	116E / F13
MU-CIT-M216/B/F15	CITIZEN M216	B	48	M40x1,5		120E / F15
MU-CIT-M216/B/F15v15	CITIZEN M216	B	48	M40x1,5		120E / F15
MU-CIT-M216/B/F16v15	CITIZEN M216	B	48	M40x1,5		1212E / F16
MU-CIT-M216/B/F20	CITIZEN M216	B	48	M40x1,5	32	138E / F20
MU-CIT-M216/B/F22	CITIZEN M216	B	48	M40x1,5	32	140E / F22

A = Hauptspindel - main spindle B = Abgreifspindel - sub spindle

12.2 - 2

Überwurfmutter für Druckhülsen
Cap Nuts for Collet Sleeves

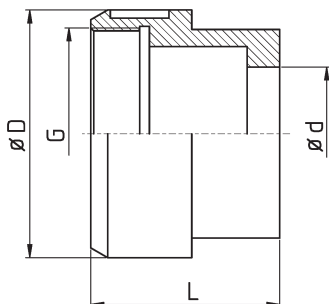
12

Druckhülsen + Spindelzubehör
Collet Sleeves and
Spindle-Attachments

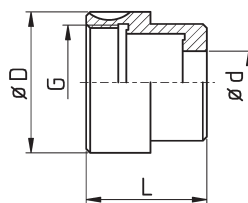
BRITSCH
Spannzeuge GmbH

Überwurfmutter für Druckhülsen

Cap Nuts for Collet Sleeves



MU-CIT-M432/B/F37



MU-CIT-R07/B/F16

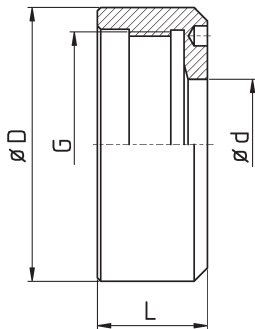


Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	G	L	Zange collet
MU-CIT-M32/A/F37	CITIZEN M32	A	75	M65x1,5	74	1536E / F37
MU-CIT-M32/B/F37	CITIZEN M32	B	76	M65x1,5	53	1536E / F37
MU-CIT-M432/A/F37	CITIZEN M ₄ 32	A	80	M70x1,5	74	1536E / F37
MU-CIT-M432/A/F25	CITIZEN M ₄ 32	A	80	M70x1,5		145E / F25
MU-CIT-M432/A/F20	CITIZEN M ₄ 32	A	80	M70x1,5		138E / F20
MU-CIT-M432/B/F37	CITIZEN M ₄ 32	A	80	M70x1,5	74	1536E / F37
MU-CIT-M432/B/F25	CITIZEN M ₄ 32	A	80	M70x1,5		145E / F25
MU-CIT-M432/B/F20	CITIZEN M ₄ 32	A	80	M70x1,5		138E / F20
MU-CIT-ML12/A/F13	CITIZEN ML12	A	47	M40x1,5	43,5	116E / F13
MU-CIT-ML12/A/F15	CITIZEN ML12	A	47	M40x1,5	43,5	120E / F15
MU-CIT-ML12/A/F16	CITIZEN ML12	A	47	M40x1,5	43,5	1212E / F16
MU-CIT-R07/B/F8	CITIZEN R07	B	35	M28x1	30	101E / F8
MU-CIT-R07/B/F10	CITIZEN R07	B	35	M28x1	30	109E / F10
MU-CIT-R07/B/F15	CITIZEN R07	B	35	M28x1	30	120E / F15
MU-CIT-R07/B/F16	CITIZEN R07	B	35	M28x1	30	1212E / F16
MU-FEIN-FA10//F15	FEINLER FA10		38	M32x1,5	23	120E / F15
MU-FEIN-FA15//F22	FEINLER FA15		46	M40x1,5	26	140E / F22
MU-INDE-12//136E	INDEX 12		64,5	M52x2L	31,5	136E/F20
MU-INDE-12//F22	INDEX 12		64,5	M52x2L	31,5	140E / F22*
MU-INDE-18//F22	INDEX 18		68	M58x2L	31,5	140E / F22
MU-INDE-18//F28	INDEX 18		68	M58x2L	31,5	148E / F28*
MU-INDE-24//162E	INDEX 24		88	M74x2L	38,5	162E / F35
MU-INDE-24//F28	INDEX 24		88	M74x2L	38,5	148E / F28
MU-INDE-24//F35	INDEX 24		88	M74x2L	38,5	163E / F35*
MU-INDE-25//162E	INDEX 25		72	M63x2L	31,5	162E / F35*
MU-INDE-25//F27	INDEX 25		72	M63x2L	31,5	147E / F27
MU-INDE-25//F28	INDEX 25		72	M63x2L	31,5	148E / F28
MU-INDE-52//F48	INDEX 52		117	M108x2L	41,5	173E / F48
MU-INDE-52//F66	INDEX 52		117	M108x2L	41,5	185E / F66*
MU-INDE-B30//F35	INDEX B30		88	M74x2L	38,5	163E / F35*
MU-INDE-B42//F35	INDEX B42; 36		97	M85x2L	38,5	163E / F35
MU-INDE-B42//F48	INDEX B42; 36		97	M85x2L	38,5	173E / F48*
MU-INDE-B60//F48	INDEX B60		122	M108x2L	34	173E / F48
MU-INDE-B60//F66	INDEX B60		122	M108x2L	34	185E / F66*

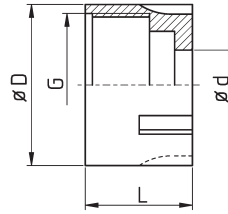
A = Hauptspindel - main spindle B = Abgreifspindel - sub spindle

Überwurfmutter für Druckhülsen

Cap Nuts for Collet Sleeves



MU-SPIN-TC32//F38



MU-TORN-DECO2000-13//136E



Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	G	L	Zange collet
MU-INDE-C19//F28	INDEX C19		73	M63x2L	34	148E / F28
MU-INDE-C29//162E	INDEX C29		84,5	M74x2L	35	162E / F35
MU-INDE-C29//F28	INDEX C29		84,5	M74x2L	35	148E / F28
MU-INDE-C29//F35	INDEX C29		84,5	M74x2L	35	163E / F35*
MU-INDE-DG12//143E	INDEX DG12		62	M52x2L	23	143E / F25*
MU-INDE-DG12//F22	INDEX DG12		62	M52x2L	23	140E / F22
MU-INDE-E25//F35	INDEX E25-26; ER25-26		83		13	163E / F35*
MU-INDE-E42//F35	INDEX E42; ER42		102	M85x2L	30	163E / F35
MU-INDE-E42//F48	INDEX E42; ER42		102	M85x2L	30	173E / F48*
MU-INDE-E60//F48	INDEX E60; ER60		136		16	173E / F48
MU-INDE-E60//F66	INDEX E60; ER60		136		16	185E / F66*
MU-INDE-ON12//136E	INDEX ON12; OR12		45	M40x1,5L		136E / F20
MU-SAIC-B30//F32	SAIC B30		79	M66x3	39	161E / F32
MU-SAIC-B30//F35	SAIC B30		79	M66x3	39	163E / F35*
MU-SPIN-PD42//F48	SPINNER PD42		90	M80x2	35	173E / F48
MU-SPIN-TC32//F35	SPINNER TC32		82	M68x3	33	163E / F35
MU-SPIN-TC32//F38	SPINNER TC32		82	M68x3	33	164E / F38
MU-STRO-M105//F15	STROHM M105 - 125		34	M30x1,5	20	120E / F15
MU-STRO-M125SJ//F15	STROHM M125SJ		34		40	120E / F15
MU-STRO-M205//F25	STROHM M205; M255		63	M56x1,5	40	145E / F25
MU-STRO-M255//157E	STROHM M255		63	M56x1,5	40	157E / F30*
MU-TORN-AS14/B//F16	TORNOS AS14	B	38	M32x1L	15	1212E / F16
MU-TORN-DECO2000-13//136E	TORNOS Deco2000/13		45	M40x1,5	30	136E / F20
MU-TORN-R10//F15	TORNOS R10		37,5	M33x1,25L	17	120E / F15
MU-TRAU-A15//F22	TRAUB A15		53	M43,5x2	45	140E / F22
MU-TRAU-A20//F22	TRAUB A20		63	M52x3	39	140E / F22
MU-TRAU-A20//F28	TRAUB A20		63	M52x3	39	148E / F28*
MU-TRAU-A25//F22	TRAUB A25		72	M62x2,5	39	140E / F22
MU-TRAU-A25//F32	TRAUB A25		72	M62x2,5	39	161E / F32*
MU-TRAU-A26//F32	TRAUB A26		72	M62x2,5	39	161E / F32

A = Hauptspindel - main spindle B = Abgreifspindel - sub spindle

12.2 - 4

Überwurfmuttern für Druckhülsen
Cap Nuts for Collet Sleeves

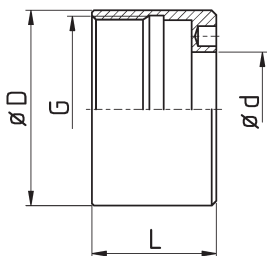
12

Druckhülsen + Spindelzubehör
*Collet Sleeves and
Spindle-Attachments*

BRITSCH
Spannzeuge GmbH

Überwurfmuttern für Druckhülsen

Cap Nuts for Collet Sleeves



MU-TSUG-HS207/B/F25

Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	G	L	Zange collet
MU-TRAU-A42//F32	TRAUB A42; TB42		91	M80x3	46	161E / F32
MU-TRAU-A42//F48	TRAUB A42; TB42		91	M80x3	46	173E / F48*
MU-TRAU-A60//F32	TRAUB A60		105	M98x3	44,5	161E / F32
MU-TRAU-A60//F48	TRAUB A60		105	M98x3	44,5	173E / F48
MU-TRAU-A60//F66	TRAUB A60		105	M98x3	44,5	185E / F66*
MU-TRAU-TB60//F48	TRAUB TB60		105	M98x3	44,5	173E / F48
MU-TRAU-TB60//F66	TRAUB TB60		105	M98x3	44,5	185E / F66*
MU-TRAU-TD26//F32	TRAUB TD26 ab 1976		78	M70x3	40	161E / F32
MU-TRAU-TD26alt//F32	TRAUB TD26 bis 1976		78	M70x3	40	161E / F32
MU-TRAU-TD36//F32	TRAUB TD36 ab 1976		86	M80x3	40	161E / F32
MU-TRAU-TD36//F42	TRAUB TD36 ab 1976		86	M80x3	40	171E / F42*
MU-TRAU-TD36alt//F32	TRAUB TD36 bis 1976		86	M80x3	40	161E / F32
MU-TRAU-TD36alt//F42	TRAUB TD36 bis 1976		86	M80x3	40	171E / F42
MU-TRAU-TNF60//F66	TRAUB TNF60/140		140		22	185E / F66
MU-TRAU-TNS42//F48	TRAUB TNS42		130		23	173E / F48
MU-TRAU-TNS42//F58	TRAUB TNS42		130		23	177E / F58
MU-TSUG-HS207/B/F15v15	TSUGAMI HS207	B	49	M46x1,5	48	120E / F15
MU-TSUG-HS207/B/F25	TSUGAMI HS207	B	49	M46x1,5	31	145E / F25

A = Hauptspindel - *main spindle* B = Abgreifspindel - *sub spindle*

Überwurfmutter für Druckhülsen, STAR

Cap Nuts for Collet Sleeves, STAR

Identische Überwurfmutter unterschiedlicher Maschinentypen Identical cap nuts for collet sleeves for different machine types

Spindel spindle	A	B	Standardzange standard collet	Spindel spindle	A	B	Standardzange standard collet	Spindel spindle	A	B	Standardzange standard collet
Maschine machine				Maschine machine				Maschine machine			
SR10J	1		F15 / 120E	SR20R I / II / III	10	14	F25 / 145E	SV32	17	19	F37 / 1536E
SW7	1			ECAS20	10	15		ECAS32	17	19	
SA12	2	6	SV20	10	15	SR32J (neu)		17	19		
SB12	2	6	SV20	11	14	SV32J		17	19		
SA16	2	6	SB20	11	14	SR32JN		17	19		
SB16	2	6	SB20RN	12		SR32		17	19		
RNC16 (neu)	3		SR20J	11	14	VNC32		18			
SV12	4	6	SR20JN		14	JNC32		18			
ECAS12		7	SR20R IV		15	KNC32		18			
ECAS16		7	SR20	13	16						
SST16	5	8	VNC20	13							
SA16R	4	6	KNC20	13	16						
SR16	5	8	SB20RG	12							
KJR16	5	8									
RNC16A	3										

**Hauptspindel (A)
Gegenspindel (B)**

**main spindle (A)
sub spindle (B)**

Maschinen mit gleicher Nummer haben identische Überwurfmutter.

Machines with identical number have identical nuts.

**Ist keine Nummer angegeben, gibt es keine weiteren kompatiblen Maschinen
Sind die Mutter mehrerer Maschinen miteinander kompatibel, werden nur die Mutter der blau unterlegten Maschinen in den Maßtabellen aufgeführt.**

**If a number is not specified there is no other compatible machine.
If nuts of different machines are identical only the blue marked machine types will be found in the list.**

12.2 - 6

Überwurfmutter für Druckhülsen
Cap Nuts for Collet Sleeves

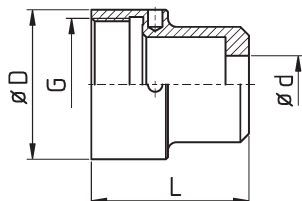
12

Druckhülsen + Spindelzubehör
Collet Sleeves and
Spindle-Attachments

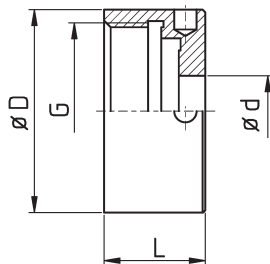
BRITSCH
Spannzeuge GmbH

Überwurfmutter für Druckhülsen, STAR

Cap Nuts for Collet Sleeves, STAR



MU-STAR-SW7/B/F13v15



MU-STAR-SA12/B/F15



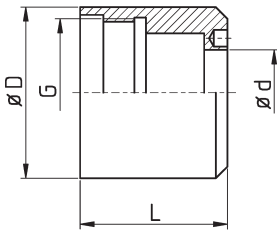
MU-STAR-SA12/B/F15

Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	G	L	Zange collet
MU-STAR-SR10J/A/F8	STAR SR10J	A	42	M36x1,5	23	109E / F8
MU-STAR-SR10J/A/F15	STAR SR10J	A	42	M36x1,5	23	120E / F15
MU-STAR-SR10J/B/F8	STAR SR10J	B	35	M31x1,5	18	101E / F8
MU-STAR-SR10J/B/F8v10	STAR SR10J	B	35	M31x1,5	28	101E / F8
MU-STAR-SR10J/B/F10v15	STAR SR10J	B	35	M31x1,5	33	109E / F10
MU-STAR-SR10J/B/F13	STAR SR10J	B	35	M31x1,5	18	116E / F13
MU-STAR-SR10J/B/F13v10	STAR SR10J	B	35	M31x1,5	29	116E / F13
MU-STAR-SR10J/B/F13v15	STAR SR10J	B	35	M31x1,5	34	116E / F13
MU-STAR-SR10J/B/F15	STAR SR10J	B	35	M31x1,5	18	120E / F15
MU-STAR-SW7/B/F7v15	STAR SW7	B	42	M36x1,5	42,5	1020E / F7
MU-STAR-SW7/B/F8	STAR SW7	B	42	M36x1,5		101E / F8
MU-STAR-SW7/B/F8v	STAR SW7	B	42	M36x1,5		101E / F8
MU-STAR-SW7/B/F10v15	STAR SW7	B	42	M36x1,5	44,5	109E / F10
MU-STAR-SW7/B/F13v10	STAR SW7	B	42	M36x1,5		116E / F13
MU-STAR-SW7/B/F13v15	STAR SW7	B	42	M36x1,5		116E / F13
MU-STAR-SW7/B/F15	STAR SW7	B	42	M36x1,5	27,5	120E / F15
MU-STAR-SA12/A/F20	STAR SA12	A	55	M44x1,5	42	138E / F20
MU-STAR-SA12/B/F8v15	STAR SA12	B	46	M40x1,5	38	101E / F8
MU-STAR-SA12/B/F10v10	STAR SA12	B	46	M40x1,5	33	109E / F10
MU-STAR-SA12/B/F10v15	STAR SA12	B	46	M40x1,5	38	109E / F10
MU-STAR-SA12/B/F13v15	STAR SA12	B	46	M40x1,5	38	116E / F13
MU-STAR-SA12/B/F15	STAR SA12	B	46	M40x1,5	23	120E / F15
MU-STAR-SA12/B/136E	STAR SA12	B	46	M40x1,5	23	136E / F20
MU-STAR-SA12/B/F20	STAR SA12	B	46	M40x1,5	23	138E / F20
MU-STAR-SB16/A/F20	STAR SB16	A	49,5	M44x1,5	40	138E / F20
MU-STAR-SV12/A/F20	STAR SV12	A	55	M45x1,5	38	138E / F20
MU-STAR-SST16/A/F20	STAR SST16	A	55	M44x1,5	42	138E / F20
MU-STAR-SST16/B/F8v16	STAR SST16	B	50	M44x1,5	46	101E / F8
MU-STAR-SST16/B/F10v16	STAR SST16	B	50	M44x1,5	46	109E / F10
MU-STAR-SST16/B/F20	STAR SST16	B	50	M44x1,5	30	138E / F20

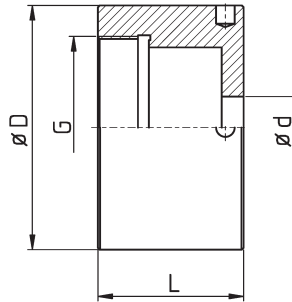
A = Hauptspindel - main spindle B = Abgreifspindel - sub spindle

Überwurfmutter für Druckhülsen, STAR

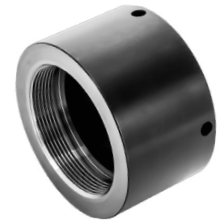
Cap Nuts for Collet Sleeves, STAR



MU-STAR-RNC16/B/F20v15



MU-STAR-SR20R/A/F16



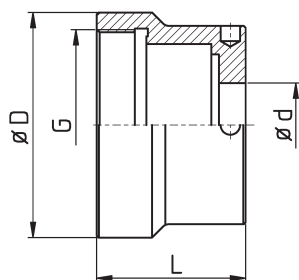
MU-STAR-SR20R/A/F25

Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	G	L	Zange collet
MU-STAR-RNC16alt/A/144E	STAR RNC16alt	A	44	M38x1,5	23	144E / F25
MU-STAR-RNC16alt/B/F15	STAR RNC16 alt	B	39,5	M33x1,5	25	120E / F15
MU-STAR-RNC16alt/B/F18	STAR RNC16 alt	B	39,5	M33x1,5	25	128E / F18
MU-STAR-RNC16/B/F20	STAR RNC16	B	44	M38x1,5	23	138E / F20
MU-STAR-RNC16/B/F20v15	STAR RNC16	B	44	M38x1,5	38	138E / F20
MU-STAR-ECAS12/B/F8v15	STAR ECAS12	B	55	M45x1,5	53	101E / F8
MU-STAR-ECAS12/B/F10v15	STAR ECAS12	B	55	M45x1,5	54	109E / F10
MU-STAR-ECAS12/B/F15v15	STAR ECAS12	B	55	M45x1,5	53	120E / F15
MU-STAR-ECAS12/B/F20	STAR ECAS12	B	55	M45x1,5	38	138E / F20
MU-STAR-SR16R/B/F20	STAR SR16R	B	59	M50x1	41	138E / F20
MU-STAR-SR20R/A/F15	STAR SR20R I / II / III	A	67	M50x1,5	40	120E / F15
MU-STAR-SR20R/A/F16	STAR SR20R I / II / III	A	67	M50x1,5	40	1212E / F16
MU-STAR-SR20R/A/F20	STAR SR20R I / II / III	A	67	M50x1,5	40	138E / F20
MU-STAR-SR20R/A/F25	STAR SR20R I / II / III	A	67	M50x1,5	40	145E / F25
MU-STAR-SR20R/A/F27	STAR SR20R I / II / III	A	67	M50x1,5	40	147E / F27
MU-STAR-SR20R/B/F8v12	STAR SR20R I / II / III	B	59	M50x1,5	53	101E / F8
MU-STAR-SR20R/B/F8v15	STAR SR20R I / II / III	B	59	M50x1,5	53	101E / F8
MU-STAR-SR20R/B/F10v15	STAR SR20R I / II / III	B	59	M50x1,5	56	109E / F10
MU-STAR-SR20R/B/F13v15	STAR SR20R I / II / III	B	59	M50x1,5	56	116E / F13
MU-STAR-SR20R/B/F15	STAR SR20R I / II / III	B	59	M50x1,5	41	120E / F15
MU-STAR-SR20R/B/F15v15	STAR SR20R I / II / III	B	59	M50x1,5	56	120E / F15
MU-STAR-SR20R/B/F15v8	STAR SR20R I / II / III	B	59	M50x1,5	49	120E / F15
MU-STAR-SR20R/B/136E	STAR SR20R I / II / III	B	59	M50x1,5	41	136E / F20
MU-STAR-SR20R/B/F20	STAR SR20R I / II / III	B	59	M50x1,5		138E / F20
MU-STAR-SR20R/B/F20v12	STAR SR20R I / II / III	B	59	M50x1,5		138E / F20
MU-STAR-SR20R/B/F25	STAR SR20R I / II / III	B	59	M50x1,5	41	145E / F25
MU-STAR-SR20R/B/F27	STAR SR20R I / II / III	B	59	M50x1,5		147E / F27
MU-STAR-SR20R/B/F27L	STAR SR20R I / II / III	B	59	M50x1,5	41	147E / F27

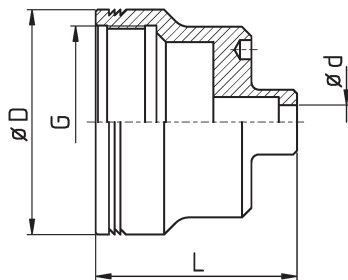
A = Hauptspindel - main spindle B = Abgreifspindel - sub spindle

Überwurfmuttern für Druckhülsen, STAR

Cap Nuts for Collet Sleeves, STAR



MU-STAR-ECAS20/B/F20



MU-STAR-SR20/B/F8v12



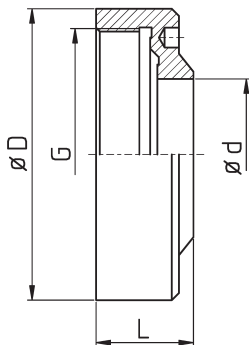
MU-STAR-SR20/B/F10v15

Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	G	L	Zange collet
MU-STAR-ECAS20/B/F8v15	STAR ECAS20	B	59	M50x1,5	54	101E / F8
MU-STAR-ECAS20/B/F10v15	STAR ECAS20	B	59	M50x1,5	54	109E / F10
MU-STAR-ECAS20/B/F15v15	STAR ECAS20	B	59	M50x1,5	54	120E / F15
MU-STAR-ECAS20/B/F16v15	STAR ECAS20	B	59	M50x1,5		1212E / F16
MU-STAR-ECAS20/B/F20	STAR ECAS20	B	59	M50x1,5	39	138E / F20
MU-STAR-ECAS20/B/F25	STAR ECAS20	B	59	M50x1,5	39	145E / F25
MU-STAR-ECAS20/B/F27	STAR ECAS20	B	59	M50x1,5	36	147E / F27
MU-STAR-ECAS20/B/F27L	STAR ECAS20	B	59	M50x1,5	39	147E / F27
MU-STAR-SV20/A/F25	STAR SV20	A	67	M56x1,5	28	145E / F25
MU-STAR-SV20/A/F27	STAR SV20	A	67	M56x1,5	28	147E / F27
MU-STAR-SB20RN/A/F25	STAR SB20RN	A	65	M50x1,5	37	145E / F25
MU-STAR-SB20RN/A/F27	STAR SB20RN	A	65	M50x1,5	37	147E / F27
MU-STAR-SR20JN/A/F10v8	STAR SR20JN	A	67	M56x1,5	36	109E / F10
MU-STAR-SR20JN/A/F25	STAR SR20JN	A	67	M56x1,5	28	145E / F25
MU-STAR-SR20JN/A/F27	STAR SR20JN	A	67	M56x1,5	28	147E / F27
MU-STAR-SR20R4/A/F25	STAR SR20RIV	A	65	M50x1,5	37	145E / F25
MU-STAR-SR20R4/A/F27	STAR SR20RIV	A	65	M50x1,5	37	147E / F27
MU-STAR-SR20/A/F10v15	STAR SR20	A	65	M50x1,5		109E / F10
MU-STAR-SR20/A/F25	STAR SR20	A	64	M56x1,5	40	145E / F25
MU-STAR-SR20/A/F27	STAR SR20	A	64	M56x1,5		147E / F27
MU-STAR-SR20/B/F8v12	STAR SR20	B	59	M50x1,5	53	101E / F8
MU-STAR-SR20/B/F10v15	STAR SR20	B	59	M50x1,5	56	109E / F10
MU-STAR-SR20/B/F13v15	STAR SR20	B	59	M50x1,5	56	116E / F13
MU-STAR-SR20/B/F20v12	STAR SR20	B	59	M50x1,5	53	138E / F20
MU-STAR-SR20/B/F25	STAR SR20	B	59	M50x1,5	41	145E / F25
MU-STAR-SR20/B/F27	STAR SR20	B	59	M50x1,5	41	147E / F27
MU-STAR-KJR25/A/157E	STAR KJR25	A	72	M60x1	52	157E / F30
MU-STAR-KJR25/A/F35	STAR KJR25	A	72	M60x1	52	162E / F35
MU-STAR-KJR25/B/157E	STAR KJR25	B	64	M56x1	34	157E / F30

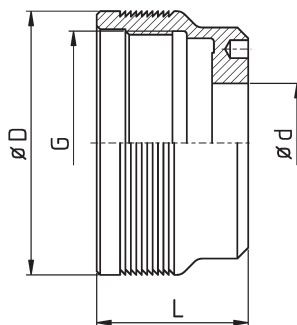
A = Hauptspindel - main spindle B = Abgreifspindel - sub spindle

Überwurfmutter für Druckhülsen, STAR

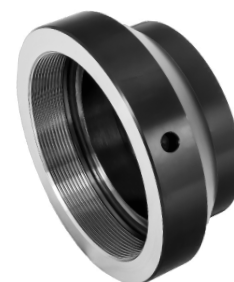
Cap Nuts for Collet Sleeves, STAR



MU-STAR-SR32JN/A/F37



MU-STAR-KNC32/B/F30



MU-STAR-SR38/A/F37

Bestell-Nr. order-no.	Maschine / Typ machine / type	A / B - Spindel	D	G	L	Zange collet
MU-STAR-SV32/A/F37	STAR SV32	A	90	M76x1,5	35	1536E / F37
MU-STAR-SV32/A/F40	STAR SV32	A	85	M62x1,5	40	F40
MU-STAR-SV32/A/F42	STAR SV32	A	105	M85x1,5	46,5	171E / F42
MU-STAR-SV32/B/F37	STAR SV32	B	73	M62x1	43	1536E / F37
MU-STAR-SV32/B/F40	STAR SV32	B	73	M62x1	43	F40
MU-STAR-SV32/B/F42	STAR SV32	B	105	M85x1,5	47,5	171E / F42
MU-STAR-ECAS32//F20v23	STAR ECAS32		85	M62x1,5	63	138E / F20
MU-STAR-ECAS32//F37	STAR ECAS32		85	M62x1,5	43	1536E / F37
MU-STAR-SR32JN/A/F37	STAR SR32JN	A	81	M70x1,5	27	1536E / F37
MU-STAR-SR32JN/A/F40	STAR SR32JN	A	81	M70x1,5	27	F40
MU-STAR-SR32JN/A/F42	STAR SR32JN	A	81	M70x1,5	27	171E / F42
MU-STAR-KNC32/A/F37	STAR KNC32	A	88	M76x1,5	42	1536E / F37
MU-STAR-KNC32/B/F25	STAR KNC32	B	73	M62x1	42	145E / F25
MU-STAR-KNC32/B/F30	STAR KNC32	B	73	M62x1	42	1446E / F30
MU-STAR-KNC32/B/F37	STAR KNC32	B	73	M62x1	42	1536E / F37
MU-STAR-KNC32/B/F25	STAR KNC32	B	73	M62x1	42	145E / F25
MU-STAR-KNC32/B/F30	STAR KNC32	B	73	M62x1	42	1446E / F30
MU-STAR-KNC32/B/F37	STAR KNC32	B	73	M62x1	42	1536E / F37
MU-STAR-KNC32/B/F25	STAR KNC32	B	73	M62x1	42	145E / F25
MU-STAR-KNC32/B/F30	STAR KNC32	B	73	M62x1	42	1446E / F30
MU-STAR-KNC32/B/F37	STAR KNC32	B	73	M62x1	42	1536E / F37
MU-STAR-KNC32/B/F25	STAR KNC32	B	73	M62x1	42	145E / F25
MU-STAR-KNC32/B/F30	STAR KNC32	B	73	M62x1	42	1446E / F30
MU-STAR-KNC32/B/F37	STAR KNC32	B	73	M62x1	42	1536E / F37
MU-STAR-ST38/A/F37	STAR ST38	A	105	M85x1,5	46,5	1536E / F37
MU-STAR-ST38/A/F42	STAR ST38	A	105	M85x1,5	46,5	171E / F42
MU-STAR-ST38/A/F48	STAR ST38	A	105	M85x1,5	46,5	173E / F48
MU-STAR-ST38/B/F37	STAR ST38	B	105	M85x1,5	47,5	1536E / F37
MU-STAR-ST38/B/F42	STAR ST38	B	105	M85x1,5	47,5	171E / F42
MU-STAR-ST38/B/F48	STAR ST38	B	105	M85x1,5	47,5	173E / F48

A = Hauptspindel - main spindle B = Abgreifspindel - sub spindle

12.3

Druckrohre, Distanzstücke

Pressure Tubes, Spacer Tubes

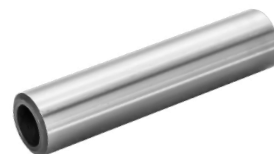
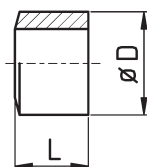
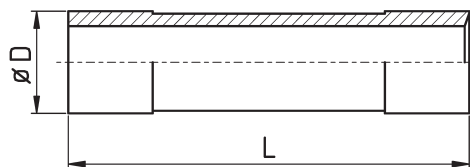
12

Druckhülsen + Spindelzubehör

Collet Sleeves and Spindle-Attachments

Druckrohre, Distanzstücke

Pressure Tubes, Spacer Tubes



Druckrohre - Pressure Tubes			Distanzstücke - Spacer Tubes			Maschine machine
Bestell-Nr. order-no.	D	L	Bestell-Nr. order-no.	D	L	
			V078.036	27	19,5	BECHLER BR20
			V078.140	38,8	20	CASER TA30
V076.210	16,8	165	V078.210	16,8	12	FEINLER FA10
V076.220	23	190	V078.220	23	12	FEINLER FA15
V076.220	23	190	V078.220B	23	10,5	FEINLER FA15
V076.730	16,8	73.5	V078.730	16,8	11	STROHM 125
V076.731	16,8	73.5	V078.731	16,8	11	STROHM 105
			V078.735	32	26	STROHM 205
			V078.745	37	27	STROHM 255
V076.810	21	156	V078.810	21	24 *	TRAUB A15 TC15
V076.811	21	176	V078.810	21	26	TRAUB A15 TC15
V076.820	28	158	V078.820	28	24	TRAUB A20
V076.830	32	132	V078.830	32	24	TRAUB A25
V076.830	32	132	V078.832	32	26 *	TRAUB A25
V076.870	51	230	V078.870	51	29	TRAUB A42
V076.880	70	234	V078.880	70	30	TRAUB A60
V076.920	34	203	V078.920	34	15	TRAUB TD26
			V078.940	51,8	25	TRAUB TB42
V076.965	22	190	V078.965	22	19	STAR RNC16
V076.SR10J	19,7	118				STAR SR10J

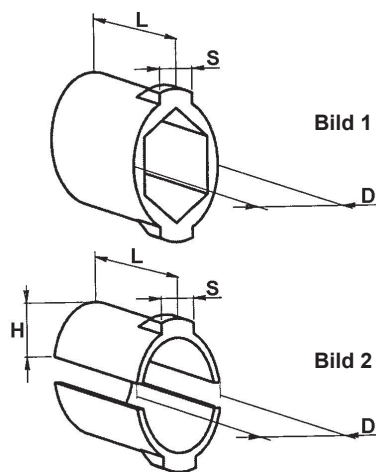
* Auch in Länge 19mm, 20mm, 21mm, 22mm, 23mm erhältlich

* Also available in length 19mm, 20mm, 21mm, 22mm, 23mm

Druckstücke

Compression Tubes

Bestell-Nr. order-no.	D	L	S	H	Maschine machine	Bild
V079.310	24	36	11,6	8	INDEX 12	2
V079.315	26	34	12		INDEX DG12	1
V079.320	30	34	11,5	10,1	INDEX 12 ON12 OR12	2
V079.330	30	40	13,5	10,5	INDEX 18 C19	
V079.340	36	40	13,5	13	INDEX 25	2
V079.350	37	42	15,8	13	INDEX 24 B30 C29	2
V079.360	48	52	19,5	18,4	INDEX 36 B42	2
V079.370	67	52	19,5	27,3	INDEX 52 B60	2



Spannfingerlager, Spannmuffen

Chuck Lever Bearings, Clamping Sleeves

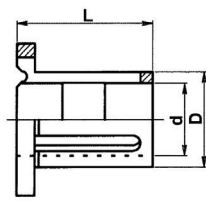


Bild 1

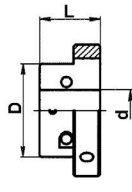


Bild 2

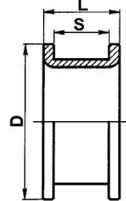


Bild 3

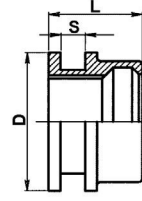


Bild 4

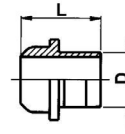


Bild 5

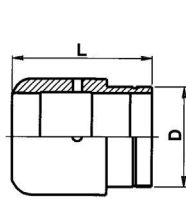


Bild 6

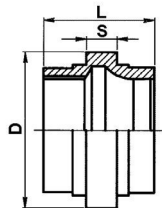


Bild 7

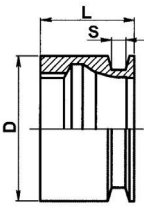


Bild 8

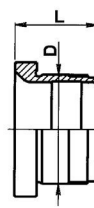


Bild 9

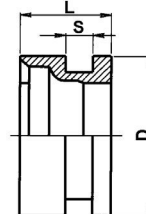


Bild 10

Spannfingerlager - Chuck Lever Bearings					Spannmuffen - Clamping Sleeves					Maschine machine
Bestell-Nr. order-no.	D	d	L	Bild	Bestell-Nr. order-no.	D	L	S	Bild	
V080.140	55,5	47	75	1	V082.140	85	41	30,5	3	CASER TA26
V080.211	-	-	-	-	V080.210	30	43	-	5	FEINLER FA10
V080.221	59	30	45	2	V080.220	35	44,5	-	5	FEINLER FA15
-	-	-	-	-	V082.230B	40	64	-	-	GILDEMEISTER GM16AC (Ø34)
-	-	-	-	-	V082.235	115	88	20	4	GILDEMEISTER GS25 (Ø76)
-	-	-	-	-	V082.235B	115	88	20	4	GILDEMEISTER GS25 (Ø72)
V080.238	47	35	85	1	V082.238	76	43	30	3	GIORGI GM20
V080.250	56	46	85	1	V082.250	91	43	30	3	GIORGI GM32
V080.310	46	39	74	1	-	-	-	-	-	INDEX ON12
V080.315	42	35	77	1	-	-	-	-	-	INDEX DG12
V080.320	44	34	72	1	V082.320	80	54	14	4	INDEX 12
V080.330	50	39	72	1	V082.330	80	54	14	4	INDEX 18 - C19
V080.340	56	44	72	1	V082.340	86	54	14	4	INDEX 25
V080.345	60	48	72	1	V082.345	90	54	14	4	INDEX C29
V080.350	68	48	94	1	V082.350	115	76	18	4	INDEX 24 - B30
V080.360	80	59	94	1	V082.360	115	76	18	4	INDEX 36 - B42
V080.370	98	76	94	1	V082.370	130	52	18	4	INDEX 52 - B60
-	-	-	-	-	V082.662	92	65	18	7	SCHÜTTE SE16
-	-	-	-	-	V082.662B	85,5	55	8,3	8	SCHÜTTE SE16
V080.420	55	42	80	1	V082.420	84	42,5	30,5	3	ITS 26
-	-	-	-	-	V082.MAS20	60	48	-	9	MAS 20
-	-	-	-	-	V082.MAS32	85	56,8	-	9	MAS 32
-	-	-	-	-	V082.MAS40	95	56,8	-	9	MAS 40
-	-	-	-	-	V082.MAS50	100	63	-	9	MAS 50

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Spannfingerlager, Spannmuffen
Chuck Lever Bearings
Clamping Sleeves

12

Druckhülsen + Spindelzubehör
Collet Sleeves and
Spindle-Attachments

BRITSCH
 Spannzeuge GmbH

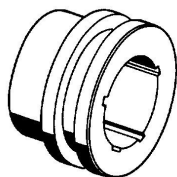
Spannfingerlager, Spannmuffen

Chuck Lever Bearings, Clamping Sleeves

Spannfingerlager - Chuck Lever Bearings					Spannmuffen - Clamping Sleeves					Maschine machine
Bestell-Nr. order-np.	D	d	L	Bild	Bestell-Nr. order-no.	D	L	S	Bild	
V080.830	50	42	75	1	V082.830	79	45	30,5	3	SAIC B26
-	-	-	-	-	V082.420	84	42,5	30,5	3	SAIC A30
V080.610	55	47	74	1	V082.610	81,5	44,3	30,5	3	SAIC B30
V080.640	84	67	81	1	V082.640	115	47	32,5	3	SAIC B45
-	-	-	-	-	V080.728	25	32	-	-	STROHM 4,5
V080.731	76	25	35	2	V080.730	30	44	-	5	STROHM 125
-	-	-	-	-	V080.735	55	77	-	6	STROHM 205
-	-	-	-	-	V080.740	60	77	-	6	STROHM 255
V080.810	37	30	65,3	1	V082.810	57	40	22,5	3	TRAUB A15 alter Typ
V080.811	42	30	72	1	V082.811	70	46	30,5	3	TRAUB A15-25 10mm
V080.812	42	30	72	1	V082.811	70	46	30,5	3	TRAUB A15-25 12mm
V080.812	42	30	72	1	V082.800	50	43,5	-	9	TRAUB TC15
V080.820	45	38	74	1	V082.820	72	46	30,5	3	TRAUB A20
V080.830	50	42	75	1	V082.830	79	45	30,5	3	TRAUB A 25 10mm
V080.830	50	42	75	1	V082.830	80	42	30,5	3	TRAUB A 25
V080.831	50	42	75	1	V082.830	79	45	30,5	3	TRAUB A 25 12mm
V080.850	60	50	73	1	V082.850	96,8	45	32,5	3	TRAUB A26
V080.860	74	60	75	1	V082.860	112	45	32,5	3	TRAUB A36
V080.870	79	60	76	1	V082.870	112	45	32,5	3	TRAUB A42
V080.880	96	80	76	1	V082.880	128	45	32,5	3	TRAUB A60
V080.920	52	40	78	1	V082.920	60	45	-	9	TRAUB TD26
V080.940	80	65	90	1	V082.940	118	45	32,5	3	TRAUB TB42
V080.950	96	82	90	1	V082.880	128	45	32,5	3	TRAUB TB60
					V080.220	35	44,5	-	5	UNAMUNO 15
					V082.978	87,3	50	14,5	10	WICKMAN 5/8"
					V082.979	112,8	93,6	19,2	10	WICKMAN 1"
					V082.982	144	127	19	10	WICKMAN 1 3/8"
					V082.982B	144	127	19	10	WICKMAN 1 3/8"
					V082.984	170	125	22	10	WICKMAN 2 1/4"

Spannmuffen für Index

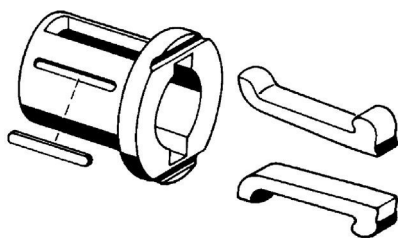
Clamping Sleeves for INDEX



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. or. spare part no.
U5060-12	A12	A33301
U5060-18	A18	A43301
U5060-19	C19	A43301
U5060-25	A25	A61480
U5060-29	C29	C29611
U5060-30	B30	A53304
U5060-42	A36 B42	A73305
U5060-60	A52 B60	A08512

**Knaggenhülsen, Spannfingerlager
für INDEX (ohne Spannfinger)**

**Chuck Lever Bearings
for INDEX (without Chuck Levers)**



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
V082.320	A12	A33291
V082.330	A18	A43292
V082.340	A25	A61471
V082.345	C29	C29602
V082.350	B30	A53293
V082.360	B42	A73295
V082.370	B60	A08502

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Spannfingerlager, Spannmuffen
Chuck Lever Bearings
Clamping Sleeves

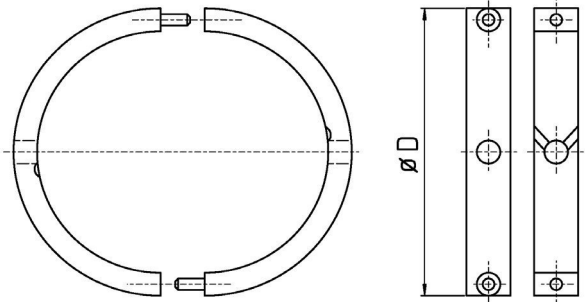
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Druckhülsen + Spindelzubehör
Collet Sleeves and
Spindle-Attachments

BRITSCH
 Spannzeuge GmbH

Spannmuffenringe für INDEX

Rings for Clamping Sleeves for INDEX



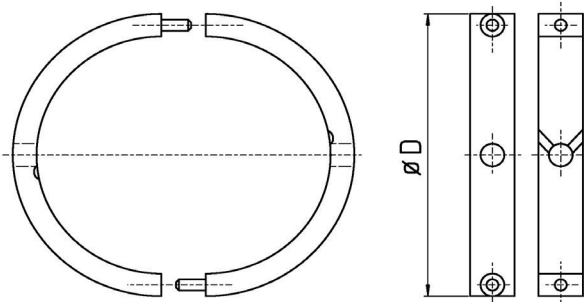
Bestell-Nr. order-no.	D	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
U5070-60	134	B60 / 52	B30621
U5070-42	118	B42 / 36	B28621
U5070-29	93	C 29	C29621
U5070-25	90	A25	A61491
U5070-25A	90	A25	A63711
U5070-18	83	A12-18	A33311
U5070-19	83	C19	C28621
U5070-19A	83	C19 / A12-18	A63671

A = mit Ölrohr

A = with oil tube

Kupplungsmuffenringe für INDEX

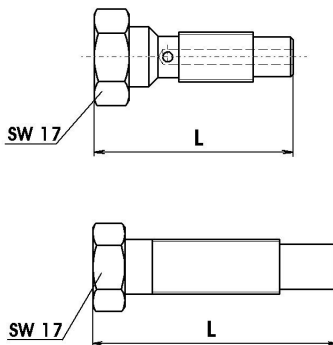
Clutch Rings for Clamping Sleeves for INDEX



Bestell-Nr. order-no.	D	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
U5075-60	152	B60 / 52	A08355
U5075-42	136	B42 / 36	A73117
U5075-30	136	B30	A53116
U5075-29	113	C29	C29401
U5075-25	106	A25	A61313
U5075-19	100	C19 / A18	A43114
U5075-12	100	A12	A33114

Zapfenschrauben für INDEX Spannmuffenringe (aus hochfestem Chrom-Vanadium-Stahl)

Screws Suitable for Rings for INDEX (High Strength Cr-V-Steel)

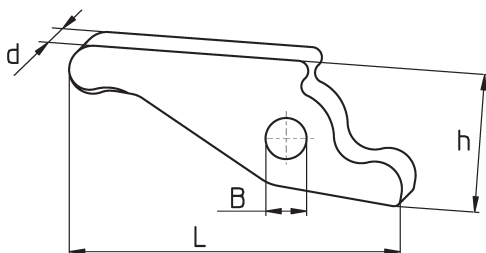


Bestell-Nr. order-no.	L	Ölbohr. oil bore	Spannmuffenring ring f. clamping sleeve	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
U5095-29	40	X	C29621	C 29	C31391
U5095-42	53	X	B28621	B42 / 36	B31331
U5095-60	45	X	B30621	B60 / 52	B31391
U5090-60	45		B30621	B60 / 52	A72653
U5090-42	53		B28621	B42 / 36	B31341
U5090-29	44		C29621	C 29	C31401
U5090-25	41		A33311 / A61491	A12-18 / A25	A34080
U5095-25	33		A33311 / A61491	A12-18 / A25	A34120

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Spannfinger A - Z

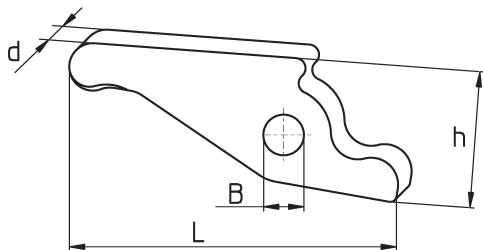
Chuck Levers



	Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. or. spare part no.	d	L	h	B
ACME/GRIDLEY							
	SF10.3001	1 1/4"		2,0	9,4		0,9
	SF10.3002	MAG 16/1		1,2	4,4		0,65
	SF10.3003	MAG 16/2		1,2	4,5		0,65
	SF10.3004	MAR 25		1,6	6,35		0,8
	SF10.3005	HSC 6	02977-1	1,3	6,6		0,7
AKEBONO							
	V084.007	MINC-26		15,0	84,0	25,0	-
ATA							
	V084.015	25		15,5	103,5	26,7	-
	V084.016	40		19,5	103,5	26,7	-
BECHET							
	SF10.0701	RM/MAC 12.15	1268 Gc 77 a	8,0	67,0		5,0
	SF10.0702	RM/MAC 19.20	1968 G 807 c	10,0	92,7	28,0	8,0
	SF10.0703	RM/MAC 25	2564 G 21 b	12,0	104,4		8,0
	SF10.0705	RM 3268	3268 Ge 23 c	11,9	131,0		8,0
BECHLER							
	SF10.0801	AS 7 / AS 10 / AR 10,3mm		6,0	54,0	16,0	3,1
	SF10.0802		Stift - <i>bolt</i> 3 H6x32				
	SF10.0804	AS 7 / AS 10 / AR 10,4mm		6,0	54,0	16,0	4,1
	SF10.0805	Stift - <i>bolt</i> 4 H6x32					
	SF10.0803	BR 20.BR 12	441 335	12,0	77,0	28,6	6,0
BODEM							
	V084.050	P26-32		14,5	55,0	24,0	8,0
BROWN & SHARPE							
	SF10.3101	OO/01-2CVA 8 3A57	42-151198	12,5	61,0	15,5	-
	SF10.3102	OG	42-10176				
	SF10.3103	2#	42-12397				
	SF10.3105	CVA A 12/16	51-80245				
	SF10.3106	CVA A 16/20	51-87550				
CAMPORESI							
	SF10.0901	RA 42-60		19,8	75,4	20,0	3,0
CASER							
	V084.130	TA26-30		9,0	70,0	18,0	-
	V084.145	TA45		12,0	92,5	26,0	-
	V084.150	TA50		14,5	92,5	26,0	-
CERIOTTI							
	V084.166	RV32		8,0	60,0	24,0	7,0

Spannfinger A - Z

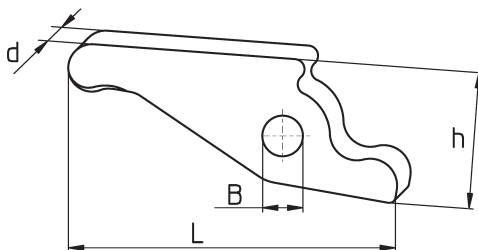
Chuck Levers



	Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	d	L	h	B
CITIZEN							
	SFA20-Sonder	A20		8,0	51,0	18,5	6,0
	SFC16L1	L16 E / L20 Gegensp. - <i>opposed spindle</i>	L216 C 114	6,0	55,0		4,0
	SF10.1003	Stift - <i>bolt</i> 4x30					
	SFC16L6	L16 E / L20 Hauptsp. - <i>mainspindle</i>		10,0	73,0		8,0
	SF10.1004		Stift - <i>bolt</i> 8x45				
	SF10.1005	B12 / K16 / C16 Hauptsp. - <i>mainspindle</i>	F 412 SC117	8,0	55,0	20,2	6,0
	SF10.1006	B12 Abgreifsp.	B 12 U 50 C 416	4,0	36,0		4,0
	SF10.1007	M 20 / M 32 / A20/ C32		10,0	72,3	24,0	8,0
	V084.162	G16		6,0	52,0	17,5	4,0
	SF10.1008	L16/N / L16/6 / L10 / L20	L 216 U 41 B 122	6,0	52,2		4,0
	SF10.1012	BS20 / K16 Gegensp. - <i>opposed spindle</i>	B 20 U 50 C 111	8,0	25,5		6,0
	SF10.1014	B12 Gegensp. - <i>opposed spindle</i>	B 312 U 53 413	6,0	44,0		4,0
	SF10.1016	A32neu / A20		10,0	91,0		8,0
	SFA20-Sonder	A20		8	51	18,5	6
CONOMATIC							
	V084.169	9 / 16		6,0	50,0	18,3	6,35
DAR							
	V084.175B	46		25,0	84,0	30,0	8,0
	V084.175	71		25,0	84,0	30,0	10,0
	V084.176	90		30,0	100,5	38,0	10,0
DIEMME-FERRI							
	V084.182	26		10,0	68,0	30,2	10,0
EUBAMA							
	SF10.1101	10.15*S8					
FEINLER							
	SFA10	FA 10 / FA 15 / S8		6,9	49,5	19,0	6,0
	SF10.0204		Stift - <i>bolt</i> 6 h6x3x				
GAUTHIER							
	SF10.1201	GM127 - 4mm	05.03.011	5,9	56,6	15,5	4,0
	SF10.1203		Stift 4x24				
	SF10.1202	GM127 - 5mm	05.03.012	5,9	56,6		5,0
	SF10.1204		Stift - <i>bolt</i> 5x24				
	SF10.1205	GM75 1-h	05-10.0025	5,0	33,4		4,0
	SF10.1206	GM25	09.03.2082	10,0	90,0		8,0
	SF10.1207	GM160	75-03.7075				
	SF10.1208	GM20	09.03.1041				
GILDEMEISTER							
	SF10.0621	AS100	347-10-2130/000	49,0	92,7		
	SF10.0600	AS12		8,9	62,5		-
	SF10.0622	AS20 Sonder	4145	9,0	80,0		
	SF10.0632	AS20 Spezial		12,0	80,0		
	SF10.0603	AS25	341-10-2130/001	19,9	66,1	21,8	-
	V084.235	AS28		13,0	34,0	15,4	

Spannfinger A - Z

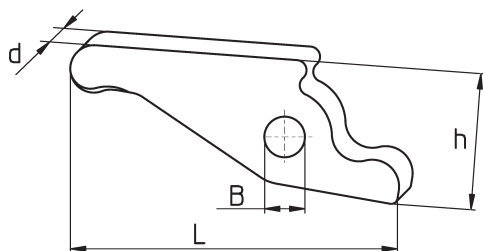
Chuck Levers



	Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	d	L	h	B
	SF10.0604	AS32	342-10-2130/000	23,5	73,3	23,5	
	SF10.0605	AS32	342-10-2130/001	23,5	73,1	24,0	
	SF10.0606	AS32	342-10-2130/002	23,9	73,0	25,0	
	SF10.0607	AS32	342-10-2130/003	23,7	66,6	25,0	
	SF10.0608	AS48	343-10-2130/001	29,8	80,7	24,5	
	SF10.0609	AS48	343-10-2130/002	29,9	80,5	25,7	
	SF10.0610	AS48	343-10-2130/003	30,0	74,4	25,0	
	SF10.0611	AS48	343-10-213/53	30,0	75,4	25,7	
	SF10.0612	AS67	355-10-2130/001	37,7	86,2		
	SF10.0613	AS67	355-10-2130/002	37,8	87,5		
	SF10.0614	AS67	355-10-2130/051	38,0	76,3		
	SF10.0615	AS67	355-10-2130/055	37,9	103,0		
	SF10.0617	AS82 / AV82	327-10-2130/002	45,9	95,5		
	SF10.0601	AS16 / 20 / 16 / GM16	08.01.303	8,9	67,9	19,2	-
	SF10.0630	AS82	327-10-213/51	45,6	92,2		
	SF10.0623	AV55	AV 55-469-2				
	SF10.0646	GD20 (A-Sp.)	55.10.227	10,0	58,0	23,5	
	SF10.0645	GD32	56.10.129				
	SF10.0648	GD32	56.10.327				
	SF10.0629	GLD12 / GLD16 / GD16 / GD20 (B-Sp.)	55.10.107	10	53,5	28,6	7,0
	SF10.0624	GLD20 / GLD25 / GLD32 / Sprint 32	54.10.119	10	58,0	25,0	7,0
	SF10.0625	GM16 AC	53.01.334-1189	8,0	61,0		8,0
	SF10.0628	GM16 AC	53.01.387-03	9,0	65,0		2,5
	SF10.0644	GM26	43.01.206				
	SF10.0649	GM26 AC	41.01.193				
	SF10.0616	GM32	3433501130	19,5	106,8		
	SF10.0656	GM 5 Spezial	37.01.158				
	SF10.0631	GM35 / GM 32	35.01.130	19,5		34,5	
	SF10.0650	GM35/8	42.01.349				
	SF10.0640	GM35/8 / GMC35	42.01.293	15,5	95,5	29,8	
	SF10.0642	GM42	40.01.113				
	SF10.0641	GMC20 S	51.01.284	11,8	65,5	22,1	
	SF10.0654	GMC42	57.01.299				
	SF10.0618	GS25 / 30	22-10-125	17,9	68,8		
	SF10.0619	GS28 / 25/6	705-10-0017/001	17,9	68,8		
	SF10.0620	GS 35 / 50/6	703-10-0017/000	23,9	79,9		
	SF10.0626	GS20 / GM20	31.01.108	11,5	67,8		-
	SF10.0643	MSL	60.10.92				
	SF10.0653	MSL 42 / 60 / Sprint 50 linear	94.10.123				
	SF10.0633	MSL 60/7 / Sprint32 linear / Sprint 42 (B-Sp.)	56.10.322-03	10,0	55,0		7,0
	SF10.0637	Speed 12 / Sprint 20 / Speed 20-8 (B-Sp.)	20.10.136	10,0	56,4		7,0

Spannfinger A - Z

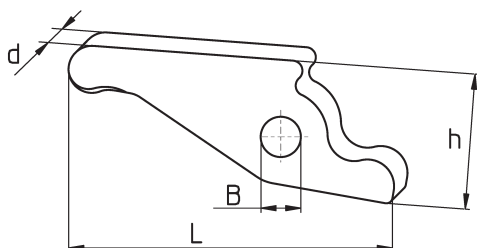
Chuck Levers



	Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	d	L	h	B
	SF10.0636	Speed 20 (A/B Sp.) / Speed 20,8 (A-Sp.)	21.10.141				
	SF10.0651	Sprint 32 / 42	26.10.196				
	SF10.0655	Sprint 32 / 42	26.10.147				
	SF10.0638	Sprint 42 (A-Sp.)	26.10.123	13,0	99,4	32,0	10,0
GIORGI	V084.240	GM 20 / 25 / 30 / 32		17,0			
HANWHA	SF10.3382	Hanex 17 ML 12 (B-Sp.)	NPS 7000-019 3184-S050-1091				
	SF10.3385	Hanex 17 XD 20 SL16 / SL20S / ML20 (A-Sp.)	BSS 3000-021 3170-M210-1060				
	SF10.3380	Hanex 25 / ML20 / ML26 XD20 / XD32 HPD SL26S/H / SL32S/ SL20 / 26 / 32 / 35HP2	SSS 7000-012 3192-M011-1080				
	SF10.3387	Hanex 25 / ML26 SL26S/H / SL32S/ SL20 / 26 / 32 / 35HP2 32 HPD (A-Sp.)	SSS 3000-015 3173-M010-1140				
	SF10.3381	SL12 / XD12 (A-Sp.)	3184-M010-1130 NPM 0100 S 113				
	SF10.3386	SL12 Se / S / H SL16 (B-Sp.)	BSS 7000 004 3224-S020-2200				
	SF10.3383	STL32J / H (A/B-Sp.)	ST 11000-022				
	SF10.3392	STL38H	ST 11000-819				
	SF10.3391	X3PJT	PA 12000-011				
	SF10.3388	XD26H (B-Sp.)	DA 15000-005				
	SF10.3389	XD26H (A-Sp.)	SM 02026-001				
	SF10.3390	XD32H (A/B-Sp.)	CA 11000-013A				
	SF10.3384	XP12 / ML12 (A-Sp.)	XOS3000-015				
HESTIKA	SF10.1301	HS1 / HS2 / HR16	1001-2.110	11,35	65,0		
	SF10.1302	RE26 / RE30 / HR32 / 44		11,4	84,0		
HOFMANN	SF10.3310	HA15 Klein & Ungerer		7,8	72,5		
IMAMI	V084.270	IC16 / R28		12,0	75,0	25,0	
INDEX	SFDG	DG / ON / OR	AA1371	11,8	66,1	17,2	
	SF12	12 / ER16	AA33280	11,5	74,2	20,0	
	SF25	C19 / A25-18 / ER25 / KR30 / GS30	A43280	13,5	74,2	20,0	
	SFC29	C29	C29591	15,3	74,2	20,0	
	SFB30	B30 / 24	A53283	15,4	100,0	24,2	
	SFB42	B36 / B42 / B52 / B60	A73281	19,9	100,1	24,2	
	V084.366	KS 32 / 42 / 50		20,0	88,0	23,0	
IRALAG	V084.393	35 / 45		16,0	69,0	40,5	12,0

Spannfinger A - Z

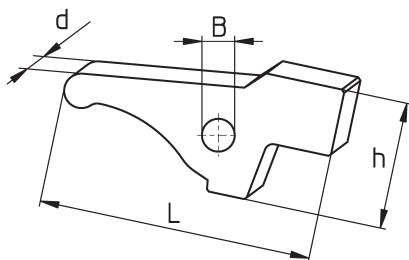
Chuck Levers



	Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	d	L	h	B
ITS							
	V084.420	26		10,0	73,0	19,5	6,0
	V084.450	36 / 42 / 60		17,5	88,0	28,0	8,0
LANGE							
	V084.480	T35		10,0	70,0	26,0	3,0
LOGOS							
	V084.330	L18 / L24		13,5	74,0	17,2	
	V084.510	L30		15,5	100,0	24,2	
	V084.520	L36 / 42 / 52		18,4	100,0	24,2	
	V084.530	L64		21,3	100,0	24,2	
	V084.532	L68		25,0	100,0	24,2	
MANURHIN							
	SF10.1401	PF16 / 22 / 25 / 32 / TR	4882	11,8	70,6	24,0	7,0
	SF10.1402	PF36 / 42	1770	15,7	92,2	32,5	10,0
	SF10.1403	PF52 / 60 / 80	6298	19,8	95,2		10,0
	SF10.1404	Combimat 42 / 60 / 80		17,7	105,0		10,0
MAURI							
	V084.558	20		11,0	53,0	17,0	
MIYANO							
	V084.560	BJ26		10,0	58,6	21,5	6,0
MUPEM							
	SF10.0107	TH42		17,9	84,6		
	SF10.0404	MH16 / 32 / 42		20,0	89,1		
	SF10.1505	22 CA-045		16,0	81,9		10,0
	SF10.0108	TR16 / 26 / 32		12,0	74,0		
	SF10.0102	TR25		10,0	68,9		
	SF10.0105	TH30		14,0	68,7		
NEXTURN							
	V084.564A	Actual 12 / 18		8,0	54,0	28,0	6,0
	V084.564B	12 / 20 / 26 / 32 / 38		12,0	61,3	26,85	6,0
ORTLINGSHAUS							
	SF10.3901	Kupplungshebel - <i>clutch lever</i>	1-100-046-23-000-000	9,8	65,0		5,0
	SF10.3902	Kupplungshebel - <i>clutch lever</i>	1-300-046-15-000-000	7,8	61,0		5,0
	SF10.3903	Kupplungshebel - <i>clutch lever</i>	1-100-046-15-000	7,8	55,0		5,0
	SF10.3905	Kupplungshebel - <i>clutch lever</i>	1-100-046-31-000-000	11,9	71,0		5,0
	SF10.3906	Kupplungshebel - <i>clutch lever</i>	1-100-046-23-154-000	9,8	57,5		5,0
	SF10.3907	Kupplungshebel - <i>clutch lever</i>	1-100-046-39-000	9,9	95,0		6,0
	SF10.3908	Kupplungshebel - <i>clutch lever</i>	1-100-046-15-152-000	7,9	46,5		5,0
	SF10.3909	Kupplungshebel - <i>clutch lever</i>	1-110-046-15-152-000				
	SF10.3910	Kupplungshebel - <i>clutch lever</i>	1-100-113-15-000-000				
PETERMANN							
	SF10.1601	P4		6,0	35,0	14,2	3,0
	SF10.1602	P7		7,0	55,0	16,2	4,0
	SF10.1603	P7R	Ø 4 mm	7,0	68,0	19,0	4,0
	SF10.1606	P7R	Ø 5 mm	7,0	68,0	19,0	5,0
	SF10.1604	P3		4,0	37,5		3,0
	SF10.1605	P16		10,0	99,0	22,0	5,0

Spannfinger A - Z

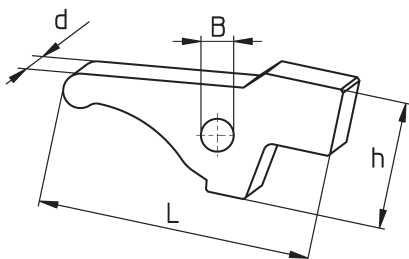
Chuck Levers



	Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	d	L	h	B
PITTLER-DREHMA							
	SF10.2501	PRC 32		19,8	91,3		10,0
	SF10.2502	PRC 36		20,0	87,9		10,0
	SF10.2503	PRC 72.100	16.230.420.1	28,0	120,0		14,0
	SF10.2506	PRC 50 4 / 6 / 8	16.222.373.1	26,0	117,0	28,0	12,0
	SF10.2505	DAR 63 / 71		25,0	82,0		10,0
	SF10.2510	DAR 46		25,0	84,0		7,5
	SF10.2511	PRC	10.222.0770.2	10,0	38,5		8,0
	SF10.2513	DAM 32 / 6 / 8		22,0	91,0		11,0
	SF10.2514	PRC25 / 8 / PRC36 / 6	16.222.589.1	20,0	87,7		10,0
PRÄWEMA							
	SF10.2401	Revolver	RD33	10,0	35,0		6,0
	SF10.2402	PN 125		8,0	30,0		5,0
RECORD							
	V084.583	42		14,0	76,0	32,0	10,0
ROTARIX							
	V084.584	20 / 25 / 30 / 32		8,5	60,0	18,0	
SAIC							
	V084.600	B26		10,0	71,0	18,0	
	V084.610	B30		12,4	72,5	18,0	2,0
	V084.620	A26 / 30 / 32 / 35		14,5	73,0	24,5	6,0
	V084.621	A26 / 30 / 32		14,5	73,0	26,5	6,0
	V084.622	A26 / 30 / 32		14,5	73,0	20,0	6,0
	V084.630	DP5 / 26		10,0	53,0	28,0	8,0
	V084.640	B45		14,5	82,0	23,5	2,5
SCHAUBLIN							
	SF10.3405	102 / 120 HP	0102-34012-000	12,0	62,2	19,0	
	SF10.3406	120 / 316	0119-00316-000	11,8	57,5		
SCHÜTTE							
	SF10.1701	SB16 m.Bohr.	SB16890B	9,9	60,0		8,0
	SF10.1702	SB16	SB16890D	13,0	66,2		
	SF10.1703	SB22	V22R890	15,0	73,9		8,0
	SF10.1704	SB30 / SB36	V35R890	17,9	93,5		10,0
	SF10.1705	SB35	SB 35 890	18,0	93,0	26,2	10,0
	SF10.1706	SB42	SB42 D 890 A	18,0	83,5		
	SF10.1707	AD40	AD40D390A	17,9	94,4		
	SF10.1708	SD25 / 32	VD32D390A	17,9	93,8		
	SF10.1709	SD50 / 63 / 80	VD63D390A	20,0	121,2		
	SF10.1710	SD89	VD 63 D 390 A/I	19,9	117,3		
	SF10.1711	SE16 / 18	SE16D390B	13,4	58,0	18,0	
	SF10.1712	SE25 / 26	SE25D390A	13,4	59,2	18,5	
	SF10.1713	SF13	C3220-B-00SZ	9,5	55,6		
	SF10.1714	SF20	C3220-B-11SZ	11,5	63,1		
	SF10.1715	SF26 A	C3220-B-11SL	13,7	65,1		
	SF10.1725	SF26 L	C3220-C-11SL	13,6	65,0		
	SF10.1716	SF / AF26 / 32	C3220-A-23Z	17,5	92,2		
	SF10.1717	SF26 / 32	C3220-B-23Z	17,5	92,2		

Spannfinger A - Z

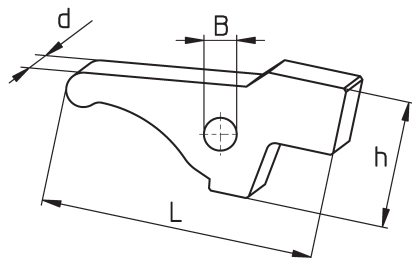
Chuck Levers



	Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	d	L	h	B
	SF10.1718	SF / AF26 / 32 N	C3220-C-23Z	17,5	92,2		
	SF10.1719	SF40 / 42 / 51	C3220-A-44SZ	17,5	106,0		
	SF10.1720	SF42 / 51	C3220-B-45SZ	17,6	105,0		
	SF10.1721	SF / AF67 / 81	C3220-B-66Z	18,6	111,0		
	SF10.1722	SF81 / SF67	C3220-A-67SZ	18,4	111,2		
	SF10.1723	SF100	C3220-77-SL	18,5	105,6		
	SF10.1724	SFH160	C3220-C-44SF	11,8	88,8		6,0
	SF10.1726	SG18 / AG20	B 3220-A-G 1SZ	11,8	65,0		
	SF10.1727	SG18 / AG20 mit Absatz	B 3220-A-G 1SZ	11,8	65,0		
SKODA-MAS							
	SF10.1801	A12 / A20 B	321 1512 E 4L28	13,5	74,1		
	SF10.1802	A 40	321 1508	20,0	105,5		
	SF10.1803	A 32-40-50 CA / MAS42	338 4022 E1	16,0	71,8		12,0
SPINNER							
	SF10.3402	SPL 023		5,6	48,0		5,0
STAR							
	V084.680	NC16					
	SF10.2651	ECAS 20 (B-Sp.)	540-39-600/620	10,0	67,0		8,0
	SF10.2654	ECAS 32T (A-Sp.)	580-320-70	12,0	89,7		8,0
	SF10.2655	ECAS 32T A48 (B-Sp.)	580-840-70	12,0	77,0		8,0
	SF10.2601	JNC16 (A-Sp.)	025-32-060/080	10,0	72,5		6,0
	SF10.2602	JNC25/32	052-32-070/090	14,0	69,0		8,0
	SF10.2609	KJR16 (A-Sp.)	250-32-090/100	10,0	68,0		6,0
	SF10.2616	KJR16 (B-Sp.)	252-32-070/090	8,0	34,4		6,0
	SF10.2622	KJR25 (A-Sp.)	260-32-070/090	12,0	80,0		8,0
	SF10.2622	KJR25 (B-Sp.)	262-32-070/090	12,0	80,0		8,0
	SF10.2622	KJR25 II (A-Sp.)	360-32-070/090	12,0	80,0		8,0
	SF10.2622	KJR25 II (B-Sp.)	362-32-080/100	12,0	80,0		8,0
	SF10.2606	KNC16 / 20 (B-Sp.)	222-32-230/250	12,0	50,0		8,0
	SF10.2615	KNC16 / 20 mit Fase (A-Sp.)	220-32-070/090	12,0	77,0		8,0
	SF10.2602	KNC25 / 32 (A-Sp.)	200-32-070/090	14,0	69,0	30,0	8,0
	SF10.2608	KNC25 / 32 (B-Sp.)	202-32-230/250	12,0	50,0	25,5	8,0
	SF10.2602	KNC25 / 32 II (A-Sp.)	340-32-070/090	14,0	69,0		8,0
	SF10.2608	KNC25 / 32 II (B-Sp.)	342-32-230/250	12,0	50,0		8,0
	SF10.2620	KNC32 II (B-Sp.)	342-32-231/250	12,0	54,0		8,0
	SF10.2609	RNC16 (A-Sp.)	210-32-060/080	10,0	68,0		6,0
	SF10.2610	RNC16 (B-Sp.)	270-82-080/100	6,0	32,5		5,0
	SF10.2620	RNCSR32 (B-Sp.)	342-32-231/250	12,0	54,0		8,0
	SF10.2609	SA12 / 16 (A-Sp.)	460-32-100/120	10,0	68,0		6,0
	SF10.2624	SA12 / 16 (B-Sp.)	460-82-080/100	8,0	39,0		6,0
	SF10.2624	SB16 (B-Sp.)	480-82-070	8,0	39,0		6,0
	SF10.2609	SB16 (A-Sp.)	460-32-100/120	10,0	68,0		6,0
	SF10.2609	SE / SH16 (A-Sp.)	400-32-100/120	10,0	68,0		6,0
	SF10.2619	SH 7	410-32-100/120	8,0	56,0		6,0
	SF10.2601	SNC15	196-32-060/080	10,0	72,5		6,0
	SF10.2611	SNC25	091-32-060/080	14,0	85,0		8,0

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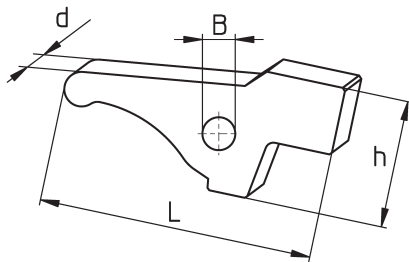
Chuck Levers



	Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	d	L	h	B
	SF10.2624	SR10J (A-Sp.)	460-82-080/100	8,0	39,0		6,0
	SF10.2625	SR10J (B-Sp.)	690-83-070/090	5,0	40,0		6,0
	SF10.2609	SR16 (A-Sp.)	310-32-090/100	10,0	68,0		6,0
	SF10.2613	SR16 (B-Sp.)	312-32-070/090	8,0	39,0		6,0
	SF10.2651	SR16R	540-39-100	10,0	67,0		8,0
	SF10.2606	SR20 (B-Sp.)	322-32-070/090	12,0	50,0		8,0
	SF10.2650	SR20R	540-84-050/070	12,0	57,0		8,0
	SF10.2651	SR20R (A-Sp.)	540-39-600/620	10,0	67,0		8,0
	SF10.2650	SR20RII / III	660-84-050	12,0	57,0		8,0
	SF10.2651	SR20RII / III (A-Sp.)	660-39-600	10,0	67,0		8,0
	SF10.2622	SR20 / 32	330-32-090/100	12,0	80,0		8,0
	SF10.2620	SR32 (B-Sp.)	332-32-090/110	12,0	54,0		8,0
	SF10.2653	SR32J (A/B-Sp.)	670-32-090/110	12,0	67,6		8,0
	SF10.2609	SST16	300-32-090/100	10,0	68,0		6,0
	SF10.2609	SST16 (A-Sp.)	210-32-060/080	10,0	68,0		6,0
	SF10.2612	SST16 (B-Sp.)	302-32-070/090	8,0	39,0		6,0
	SF10.2656	ST38 (A/B-Sp.)	0B0-32-130/100				
	SF10.2651	SV12 (A-Sp.)	540-39-600/620	10,0	67,0		8,0
	SF10.2652	SV12 (B-Sp.)	452-32-100/120	10,0	72,0		8,0
	SF10.2652	SV12	823-00-306	10,0	72,0		8,0
	SF10.2621	SV20 (A/B-Sp.)	420-32-060/080	12,0	78,0		8,0
	SF10.2622	SV32 (A-Sp. I)	440-32-090	12,0	80,0		8,0
	SF10.2622	SV32 (A-Sp. II)	430-32-090	12,0	80,0		8,0
	SF10.2623	SV32J (B-Sp.)	442-32-090/110	12,0	62,0		8,0
	SF10.2619	SW7 / R (A-Sp.)	380-32-130/150	8,0	56,0		6,0
	SF10.2619	SW7 / R (B-Sp.)	382-32-110/130	8,0	56,0		6,0
	SF10.2616	VNC20 (B-Sp.)	749-21-180/190	8,0	34,4		6,0
	SF10.2615	VNC20 ohne Fase (A-Sp.)	750-32-060/080	12,0	77,0		8,0
	SF10.2602	VNC32	780-32-060/080	14,0	69,0		8,0
STEINHÄUSER							
	SF10.0401	StF18 / 25	A120 (mit Stift - <i>bolt</i> 2,5x6)	11,8	67,5		
	SF10.0402	StF18 / 25	A120 (mit Stift - <i>bolt</i> 5x18)	11,8	67,5		
	SF10.0403	StF36 / St22	B118	13,8	81,9		
	SF10.0404	KS20 / 25 / 32 / 42 / 50	SK0342.0340	20,0	89,1		
	SF10.0301	D / E12,5 / 16 / 20 / 25	3152	11,8	66,1		
	SF10.0406	D / E12,5 / 16 / 20 / 25	3152-1	11,9	67,4		8,0
	SF10.0408		Stift 8x38				
	SF10.0407	D / E12,5 / 16 / 20 / 25	3152-2	11,9	67,8		8,0
	SF10.0409	D36 / 42 / 52 / 60	B5855	14,0	82,0		8,0
	SF10.0410		Stift 8x50				
STROHM							
	SF10.0201	M45	680297	5,9	44,2		4,5
	SF10.0210		Stift - <i>bolt</i> 4,5h6x26				
	SFM105	M75 / 105 / 125 / AS	661434	6,9	50,2	21,0	
	SFM125	M125NAR	661435	6,9	50,2	21,0	6,0

Spannfinger A - Z

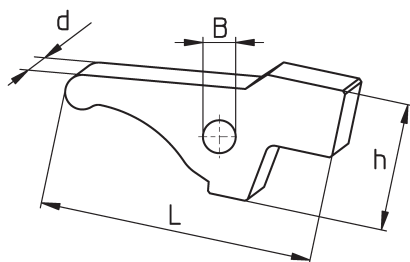
Chuck Levers



	Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	d	L	h	B
	SF10.0204		Stift - <i>bolt</i> 6h6x36: 670439				
	SF10.0205	M205 / 255 neu	661557	13,8	92,0	26,0	8,0
	SF10.0208		Stift - <i>bolt</i> 8x32: 670786				
	SF10.0206	M205 / 255 alt	680733	11,8	90,6	31,0	9,0
	SF10.0209		Stift - <i>bolt</i> 9x75: 680737				
	SF10.0207	SN25 Namura		13,9	95,7		10,0
STROMAG							
	SF10.3800		735-21-0000-000 735-00031	8,0	56,0		5,0
	SF10.3801		735-00107	10,0	76,0		6,0
	SF10.3802		735-000 53 735-24-000	8,0	62,0		5,0
TAKAMAZ / TAKAMATSU							
	SF10.1901	Attack	A-LD 16	8,0	52,5		10,0
	SF10.3601	SX-07					
TAREX							
	SF10.0305	32 / 42 / L 52	108 280	15,4	100,0	24,2	
	SF10.2002	M42 / M52	150 356	21,4	100,0	24,2	
	SF10.2002	42 Minitar	123 296	21,4	100,0	24,2	
TAVANNES							
	SF10.2201	SSA60	148 205	20,0	106,3		
	SF10.2202	STA40	110 904	18,0	93,0		
	SF10.2203	ST50	147 597	18,0	93,0		
	SF10.2204	Wisard	148 205	20,7	154,0		
TOBRE							
	V084.770	20		12,0	85,0	28,0	8,0
TORNOS							
	SFTR14A	AS14 / SAS16 (A-Sp.)	12149	7,9	48,0		6,0
	SFTR14B	AS14 / SAS16 (B-Sp.)	2417	4,9	32,4		4,0
	SF10.0524	G85	MR 28-32	14,0	109,0		9,0
	SF10.0504	M4	MF 3549	6,0	40,6		
	SF10.0505	M4	MF 433	6,0	47,0		4,0
	SF10.0506	M4	MF 7817	6,0	50,0		4,0
	SF10.0507	M7	MD 265	6,8	58,0	18,3	5,0
	SF10.0511	M7	MD 15355	5,9	48,5		5,0
	SF10.0521	M7 mit Stopp	MA 4911	7,0	53,0		
	SF10.0508	M7 verstärkt - <i>reinforced</i>	MD 9705	6,9	62,6		5,0
	SF10.0512	M10	MA 6469	6,9	60,0		5,0
	SF10.0513	M15	B 45 I	9,0	70,9	24,3	7,0
	SF10.0514	M20	J 51	12,0	90,9	30,0	8,0
	SF10.0515	M25	C 157	11,9	103,0	30,0	8,0
	SF10.0509	MS7	MD 14103	6,0	62,7		5,0
	SF10.0510	MS7 Stopp	MS 15825	7,9	64,1		5,0
	SF10.0523	NA12 / NA153	098 098	9,0	55,0	21,3	6,0
	SF10.0525	R7	RD 4039	9,0	54,0		
	SF10.0516	R10	5 RA 87	11,2	66,0		
	SF10.0517	R10 neu	5 RA 87-06	11,4	69,8		7,0
	SF10.0518	R16	5 RB 5031	13,4	74,4	20,0	

Spannfinger A - Z

Chuck Levers



	Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	d	L	h	B
	SF10.0519	RR 20	RB 5105	13,4	82,6		
	SF10.0522	RR 20-01	RB 5105-01	13,5	82,0		
	SF10.0503	TV / T4	TV45	6,0	43,2	16,0	4,5
	SF10.0520	ENC164 / ENC16	810 965	10,0	36,0		5,0
	SF10.0529	BS20 (A-Sp.)	045 397	11,95	39,5		5,95
	SF10.0530	BS20 8 SPR (B-Sp.)	096 900	4,92	34,9		4,0
	SF10.0550	MTH Fräseinheit - <i>milling device</i>	4/MT 359				
TRAUB							
	SFA15	A15	9mm 630030	8,8	61,7	17,0	
	SFA25/10	A15 / 20 / 25	10mm 632192	10,0	68,9	18,0	
	SFA25/12	A25 / TC15	12mm 616112	12,0	68,9	18,0	
	SFA26	A26 / 36	14mm 632202	14,0	68,7		
	SFA42	A42 / 60	14mm 630950	14,0	68,7		
	SF10.0106	T30 / 42 / 60	16mm 632521	15,9	84,0		
	SFTB42	TB30 / 42 / 60 / 80 / TK / TF	18mm 614194	17,9	84,7	22,0	
	SFTD26	TD16 / 26 / 36	12mm 691325	12,0	74,0	18,3	
	SF10.0124	TG (Satz - <i>set</i> 4 St.)	12mm 675609	12,0	74,0		
	SF10.0110	AH36	629045	10,0	73,2		
	SF10.0112	TNL16 (Satz - <i>set</i> 2 St.)	773075	9,9	61,1		
	SF10.0112	TNS26 (Satz - <i>set</i> 3 St.)	738508	9,9	61,1		
	SF10.0112	TNC 30	738405	9,9	61,1		
TSUGAMI							
	SF10.3387	NP20-32 (A-Sp.) / BS26-32 (A-Sp.) HS26 (A-Sp.) / BH38E (A/B-Sp.) BU38 (A / B-Sp.) / TMU IE (A-Sp.) BO 385E (A / B-Sp.)	3173-M010-1140	12,0	85,2		
	SF10.3326	S20 (B-Sp.) / S16	3192-S030-1060	8,0	57,0		
	SF10.3385	BS18 / B018 / NP17 (ASp.)	3170-M210-1060	12,0	57,0		
	SF10.3380	BS12 / BO12 (A-Sp.) BS12 / 18 / BO12-18 (B-Sp.) BS20 (A-Sp.) / S16 (A-Sp.) BS20 / 26 / 32 (B-Sp.) HS20 / 26 / 32 (B-Sp.) BN20 (A-Sp.) / HS207 (A-Sp.)	3192-M011-1080	12,0	57,0		
	V084.958C	L10		7,94	51,0	14,1	
	SF10.3328	HS20 (A-Sp.) / HS207 (A / B-Sp.) BO205E (A / B-Sp.)	3262-M010-1301				
	SF10.3381	BO12 (A-Sp.)	3184-M010-1130	8,0	57,0		
	SF10.3382	NP11 (B-Sp.) / NP17 (B-Sp.)	3184-S050-1091	12,0	57,0		
	SF10.3386	BO / BS / BW / BN12	3224-S020-2200	12,0	57,0		

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12.6

Schiebehülsen Sliding Sleeves

12

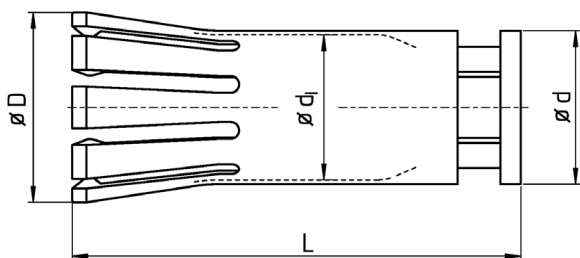
Druckhülsen + Spindelzubehör Collet Sleeves and Spindle Attachments

BRITSCH

Spannzeuge GmbH

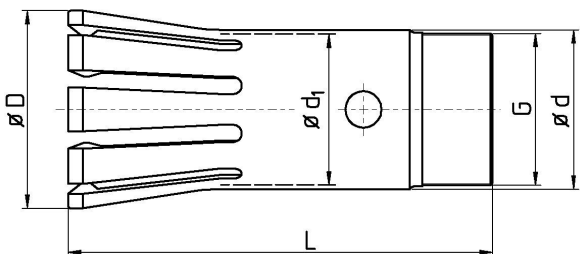
Schiebehülse für CUCCHI Lademagazine

Sliding Sleeves for CUCCHI Bar Loaders

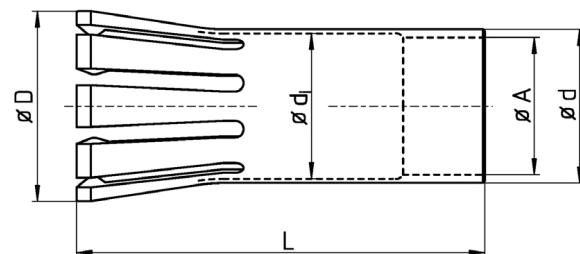


Best.-Nr. order-no.	Lader loader	D	d	d ₁	L
SH PB35	PB35	45	36,7	35	110
SH PB42	PB42	51	42,7	40,7	114
SH PB42B	PB42	50,2	43,7	41,6	115
SH PB45	PB45	54,8	46,8	43,2	113
SH PB50	PB50	61,7	52,6	50,3	299
SH PB90	PB90	95,6	92,6	85,1	170

Halteklammern retaining clips	
Best.-Nr. order-no.	Lader loader
SHK35	PB35
SHK42	PB42
SHK45	PB45
SHK50	PB50
SHK90	PB90



Best.-Nr. order-no.	Lader loader	D	d	d ₁	L	G
SH PB30A-M28	PB30	39,2	30,3	28,5	95,7	M28x1
SH PB30A-M30	PB30	41	31,8	29,4	97	M30x1
SH PB35 A	PB35	45	36,7	34,7	100	M35x0,75
SH PB38 A	PB38	49	40,7	38,4	107,7	M39x1,25
SH PB52 A	PB52	62,6	52,2	48,4	113	M49,5x1,25



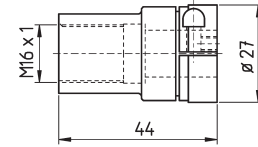
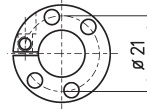
Best.-Nr. order-no.	Lader loader	D	d	d ₁	L	A*
SH PB35G	PB35	45,2	36,8	34,5	101	29 - 32,8
SH PB35K	PB35	45,2	36,8	34,8	80	32,8
SH PB50G	PB50	61,7	52,6	50,3	299	44 - 60,3
SH PB90G	PB90	95,6	92,6	88,8	170	78,5 - 82,5

12

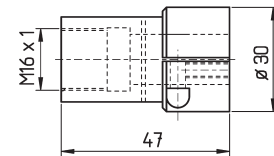
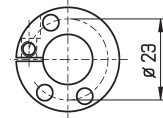
Führungsbüchsen Anzugsmuttern, CITIZEN

Guide Bush Nuts, CITIZEN

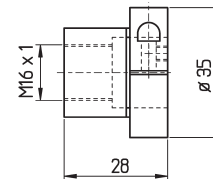
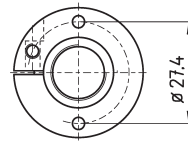
CITIZEN B12	
Bestell-Nr. order-no.	
FVM.CB12	



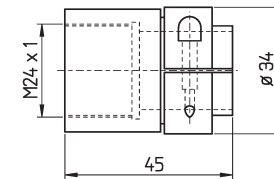
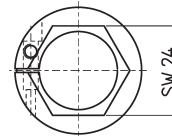
CITIZEN M16	
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FVM.M16	



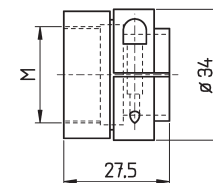
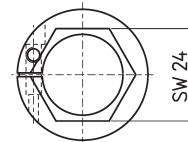
CITIZEN	
Bestell-Nr. order-no.	
FVM.F853	



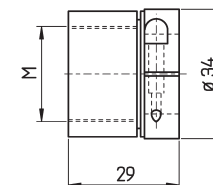
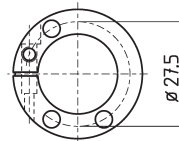
CITIZEN L16	
Bestell-Nr. order-no.	
FVM.CL16	



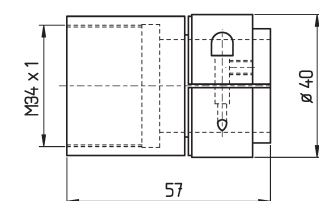
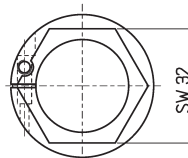
CITIZEN L20 / M20	
Bestell-Nr. order-no.	M
FVM.L20	M25 x 1
FVM.L20-M27	M27 x 1
mit Gew. M27 x 1 für vergrößerten Durchlass bis 23mm <i>enlarged to 23 mm admission, thread M27 x 1</i>	



CITIZEN M20	
Bestell-Nr. order-no.	M
FVM.M20	M25 x 1
FVM.M20-M27	M27 x 1
mit Gew. M27 x 1 für vergrößerten Durchlass bis 23mm <i>enlarged to 23 mm admission, thread M27 x 1</i>	



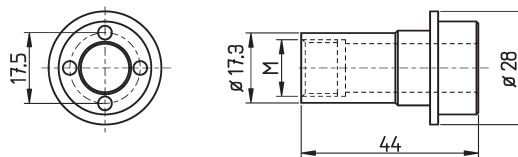
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Bestell-Nr. order-no.	
FVM.CL25	



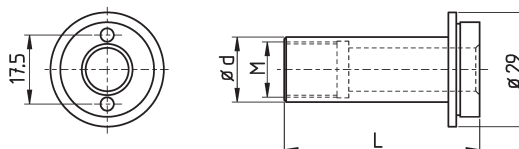
Führungsbüchsen Anzugmuttern, STAR

Guide Bush Nuts, STAR

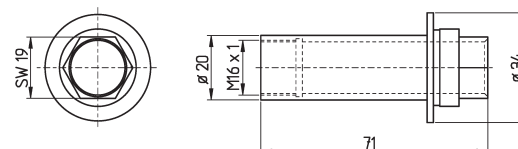
STAR SR10J	
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FVM.SR10J-M14	M14 x 1
FVM.SR10J-M15	M15 x 1



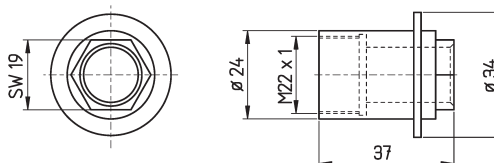
STAR SW7			
Bestell-Nr. order-no.	L	d	M
FVM.38701060	51	15	M10 x 0,75
FVM.38701220	50	16,5	M14 x 1
FVM.38701330	45	16,5	M14 x 1



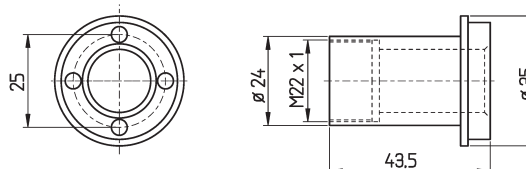
STAR JNC12 - 4070	
Bestell-Nr. order-no.	
FVM.JNC12	



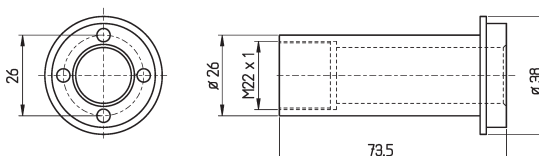
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FVM.X16	



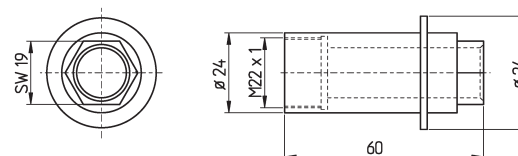
STAR Y16	
Bestell-Nr. order-no.	
FVM.Y16	



STAR SV12	
Bestell-Nr. order-no.	
FVM.SV12	



STAR RNC16 - 10017	
Bestell-Nr. order-no.	
FVM.RNC16	



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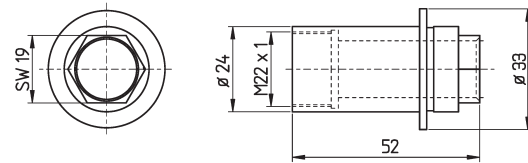
Führungsbüchsen Anzugsmuttern, STAR

Guide Bush Nuts, STAR

STAR SST16

Bestell-Nr.
order-no.

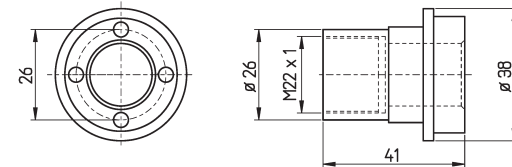
FVM.SST16



STAR SB16

Bestell-Nr.
order-no.

FVM.SB16



STAR SV20

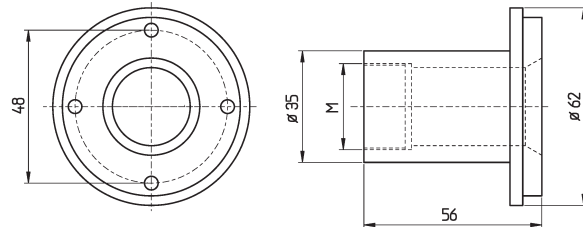
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order-no.

M

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FVM.SV20-M27 M27 x 1

erweitert - *enlarged to* M27 x 1



Star SR20J / SR20RIII

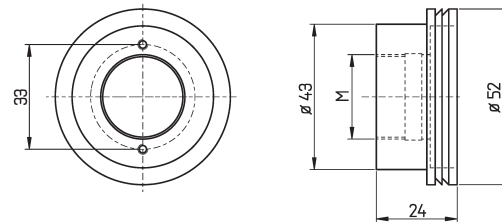
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FVM.SR20J-M27 M27 x 1

erweitert - *enlarged to* M27 x 1



Star SW20 / SR20RIV

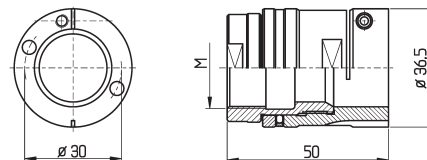
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FVM.SW20-M27 M27 x 1

erweitert - *enlarged to* M27 x 1



STAR SR20

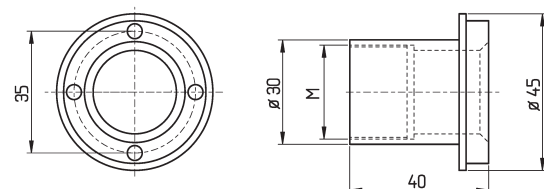
Bestell-Nr.
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FVM.SR20-M27 M27 x 1

erweitert - *enlarged to* M27 x 1



STAR SB20

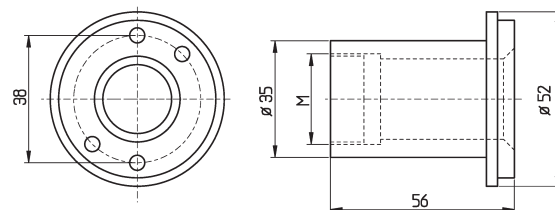
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FVM.SB20-M27 M27 x 1

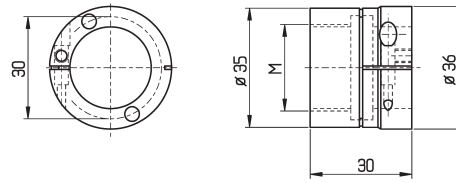
erweitert - *enlarged to* M27 x 1



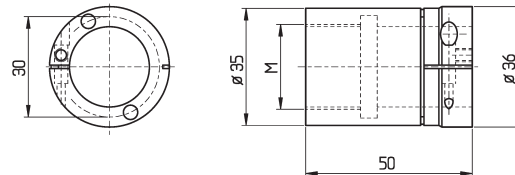
Führungsbüchsen Anzugsmuttern, STAR

Guide Bush Nuts, STAR

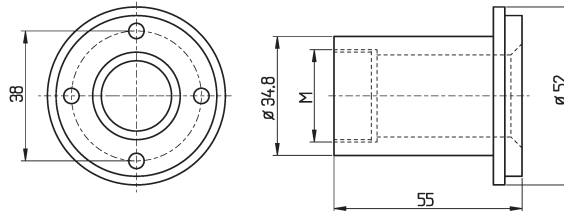
STAR SB20RE	
Bestell-Nr. order-no.	M
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FVM.SB20RE-M27	M27 x 1
erweitert - <i>enlarged to</i> M27 x 1	



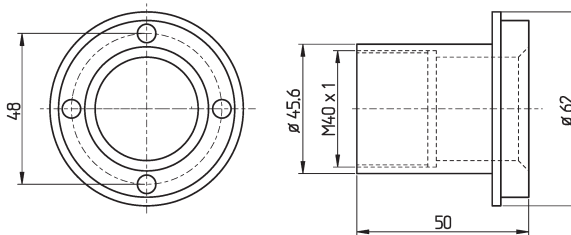
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FVM.SB20RG	M25 x 1
FVM.SB20RG-M27	M27 x 1
erweitert - <i>enlarged to</i> M27 x 1	



STAR ECAS20 / SR20RI/II	
Bestell-Nr. order-no.	M
FVM.ECAS20	M25 x 1
FVM.ECAS20-M27	M27 x 1
erweitert - <i>enlarged to</i> M27 x 1	



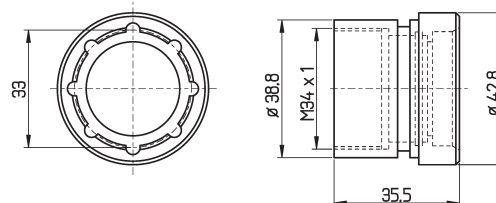
STAR ECAS32 / SV32 / SR32	
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FVM.ECAS32	




Führungsbüchsen Anzugsmuttern, GILDEMEISTER

Guide Bush Nuts, GILDEMEISTER

GILDEMEISTER GLD25	
Bestell-Nr. order-no.	
FVM.GLD25	



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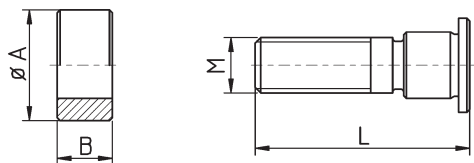
<i>Roller, Roller Bolts</i>		Rollen, Rollenbolzen	13.1
<i>Cam Disks</i>		Kurven, Kurvenscheiben	13.2
<i>Bar Stops</i>		Werkstoffanschläge	13.3
<i>Revolving Centers</i>		Mitlaufende Spitzen	13.4
<i>Screws, Springs</i>		Schrauben, Federn	13.5
<i>Edge Finders</i>		Kantentaster	13.6

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| 2 | Rollen, Rollenbolzen INDEX, Revolver
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| 3 | Rollen, Rollenbolzen TORNOS, SAS
<i>Rollers, Roller Bolts TORNOS, SAS</i> |
| 4, 5 | Rollen / Rollenbolzen, divers
<i>Rollers, Roller Bolts, divers</i> |
| 5, 6 | Rollen, Rollenbolzen GILDEMEISTER + diverse
<i>Rollers, Roller Bolts GILDEMEISTER + diverse</i> |

Rollen, Rollenbolzen für TRAUB

Rollers, Roller Bolts for TRAUB



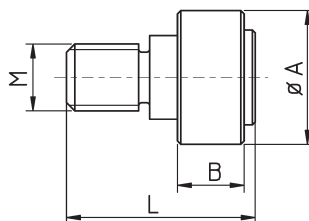
	Bestell-Nr. order-no.	A	M	L	B	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
Rolle - <i>roller</i>	U2010-TD	20			8	TRAUB TD16 - 26 - 36	
Rollenbolzen - <i>roller bolt</i>	U2015-TD		ø10 *	27,5			
Rolle - <i>roller</i>	U2010-A	16			10	TRAUB A15 - 25	620.116
Rollenbolzen - <i>roller bolt</i>	U2015-AL		M10	38			620.117
Rollenbolzen - <i>roller bolt</i>	U2015-AK		M10	23,5			
Rolle - <i>roller</i>	U2010-TB	22			12	TRAUB TB 42-60	
Rollenbolzen - <i>roller bolt</i>	U2015-TB		M12	35			
Rolle - <i>roller</i>	U2010-TA	25			14	TRAUB A 36 - 42 - 60	623.602
Rollenbolzen - <i>roller bolt</i>	U2015-TA		M12	40			623.604

* = ohne Gewinde

* = without thread

**Rollen, Rollenbolzen
für TRAUB mit Nadellager**

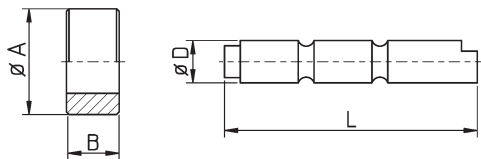
**Rollers, Roller Bolts
for TRAUB with Needle Bearings**



	Bestell-Nr. order-no.	A	M	L	B	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
Rolle komplett - <i>roller complete</i>	UTRA-TD	20	ø10 *	27,5	8	TRAUB TD16 - 36	312.269
Rolle komplett - <i>roller complete</i>	UTRA-TB	22	M12	35	12	TRAUB TB 42 - 60	615.153
Rolle komplett - <i>roller complete</i>	UTRA-TA	25	M12	40	14	TRAUB A 36 - 60	
Rolle komplett - <i>roller complete</i>	UTRA-A	16	M10	23	10	TRAUB A 25 / TB42	615 427
Exzenterrolle incl. Zubehör <i>Eccentric roller incl. accessory</i>	UTRA-EXC	22	ø10*	38		TRAUB TK / TG	675658 675660

* = ohne Gewinde

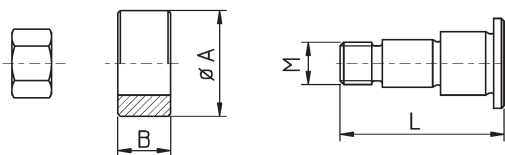
* = without thread

Rollen, Rollenbolzen für INDEX
Rollers, Roller Bolts for INDEX
Segmentrollen
segment rolls


	Bestell-Nr. order-no.	A	D	L	B	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
Rollen - <i>rollers</i>	U2010-42	18	8		14	B30 B42 B60	A71502
	U2010-29	16	7		12	C19 C29	A51500
	U2010-18	14	6		12	12 18 25	A31500
Rollenbolzen - <i>roller bolt</i>	U2015-42		8	46		B30 B42 B60	A71472
	U2015-42Z		8	51			A71522
	U2015-29		7	40		C19 C29	A51470
	U2015-18		6	36		12 18 25	A31470
	U2015-18Z		6	42			A31520
Rolle - <i>rollers</i>	U2010-D12	14	6		8	OR ON DG12	
	U2010-DG	16	8	7,5	8	OR ON DG12	AA3030
Rollenbolzen - <i>roller bolt</i>	U2017-D12		6	22,4		OR ON DG12	AA2040
	U2015-D12		6	25		OR ON DG12	A78751
	U2015-D12Z		6	34		OR ON DG12	D17421

Rollen und Bolzen für Langdreheinrichtung
Rollers, Roller Bolts for Lathes

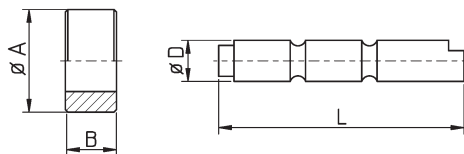
Rolle - <i>roller</i>	U2010-42L	18	8			INDEX B	B 72151
Bolzen - <i>bolt</i>	U2015-42L		8	26			

Revolver - Schaltrollen für INDEX
Revolver Sprockets for INDEX


	Bestell-Nr. order-no.	A	M	L	B	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
Schaltrolle - <i>sprocket</i>	U2210-42	18			10	B30 B42 B60 C19 C29	A74741
	U2210-18	13			8	12 18 25	A34742
	U2210-OR	11			7	OR ON DG12	AA5350
Rollenbolzen - <i>roller bolt</i>	U2215-42		M8x075	31		B30 B42 B60 C19 C29	A74752
	U2215-18		M6x075	24		12 18 25	A34752
	U2215-OR		M6x075	23		OR ON DG12	AA5340

INDEX (STEINHÄUSER)

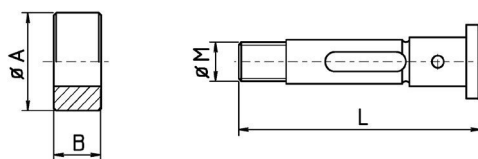
INDEX (STEINHÄUSER)



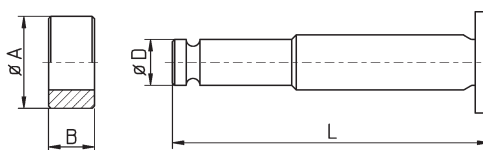
	Bestell-Nr. order-no.	A	D	L	B	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
Rolle - <i>roller</i>	U2010-S1	14	6	10	10	STEINHÄUSER StD	
Rolle - <i>roller</i>	U2010-S2	14	6	18	18		
Bolzen - <i>bolt</i>	U2015-S1		6	32			
Bolzen - <i>bolt</i>	U2015-S2		6	42			
Rolle - <i>roller</i>	U2010-MSG	25	8		15	INDEX MS25	M30101
Rolle - <i>roller</i>	U2010-MSK	16	8		8		AB9270
Bolzen - <i>bolt</i>	U2015-MS		8	52			M30103.10
Rolle - <i>roller</i>	U2010-KS	32	18			STEINHÄUSER KS	SK0308 0030
Bolzen - <i>bolt</i>	U2015-KS		18/23	43			SK0308 0040

Rollen, Rollenbolzen für TORNOS

Rollers, Roller Bolts for TORNOS



	Bestell-Nr. order-no.	A	B	L	M	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
Rolle - <i>roller</i>	U2010-SS	20	12			TORNOS AS/SAS	
Rollenachse - <i>roller axle</i>	U2015-SS			52	M8	TORNOS AS/SAS	



	Bestell-Nr. order-no.	A	D	L	B	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
Rolle - <i>roller</i>	U2010-TO	24			12	TORNOS AS/SAS	AS 1365
Rollenachse - <i>roller axle</i>	U2015-TO		10	68		TORNOS AS/SAS	AS 28299

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Rollen, Rollenbolzen Roller, Roller Bolts

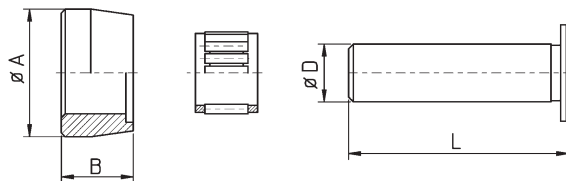
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Allgemeines Zubehör für CNC- und kurvgesteuerte Drehautomaten
General Specific Parts for CNC- and Cam-Controlled Lathes

BRITSCH
Spannzeuge GmbH

Rollen, Rollenbolzen

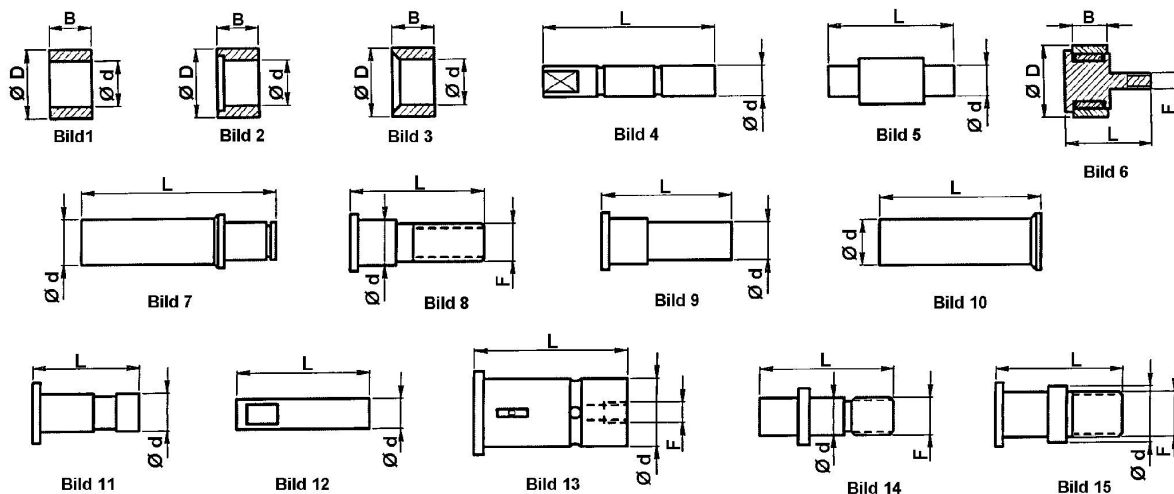
Rollers, Roller Bolts



	Bestell-Nr. order-no.	A	D	L	B	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
Rolle - <i>roller</i>	U2010-SAT	26,5			15	TORNOS AS14	
Rolle - <i>roller</i>	U2010-SA	26,5			15	TORNOS AS14	Original
Rollenbolzen - <i>roller bolt</i>	U2015-SAT		12	46		TORNOS AS14	
Nadellager	KBK121713					TORNOS AS14	
Rollenbolzen komplett <i>roller bolt complete</i>	U2010-SAS	26,5	12	40		TORNOS SAS 16	Original
Rolle - <i>roller</i>	U2011-SAS	26,5				SAS16	

Rollen und Bolzen

Rollers and Bolts



Bolzen - bolts					Rollen - rollers					Maschine machine	Best.-Nr. komplett order-no. complete
Bestell-Nr. order-no.	d	L	F	Bild	Bestell-Nr. order-no.	D	d	B	Bild		
V514.016	10	40		4	V514.016B	17	10	14	1	ATA 25-40	
V514.531	6,35	33		12	V514.532	12,8	6,35	9,2	1	BROWN E SHARPE	
V514.533	7	32		4	V514.534	14	7	11,7	1	BROWN E SHARPE	
V514.535	8	30,5		4	V514.536	14	8	11,7	1	BROWN E SHARPE	
V514.291	12	26	M10x1	8	V514.292	18	12	11	2	CASER 26-30	
V514.551	8	30		4	V514.147B1	18	8	12	1	DAR 46	
					V514.147B2	18	8	22	1	DAR 46	
					V514.147B3	16	8	10	1	DAR 46	
V514.941	8	46		4	V514.942	18	8	14	1	DAR 46	V514.940
V514.511	10	37,5	M10	14	V514.512	18	10	10	1	FEINLER 10-15	V514.510
					V514.513	16	8	8	1	FEINLER 10-15	

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Rollen und Bolzen

Rollers and Bolts

Bolzen - bolts					Rollen - rollers					Maschine machine	Best.-Nr. komplett order-no. complete
Bestell-Nr. order-no.	d	L	F	Bild	Bestell-Nr. order-no.	D	d	B	Bild		
U2010-GKA	8	32		12	U2010-GA	20	8	10	1	GILDEMEISTER	
U2015-GA	8	45		12	U2010-GA	20	8	10	1	GILDEMEISTER	
U2015-GAS	10	33		9	U2010-GAS	25	12	10	2	GILDEMEISTER	
V514.475	15	48		11	V514.476	30	15	15	2	GILDEMEISTER	
V514.481	18	40	M5	13	V514.482	29,5	18	13	2	GILDEMEISTER	
V514.485	20	45	M6	13	V514.486	30	20	15	2	GILDEMEISTER	
					V514.487	42	25	22	2	GILDEMEISTER AS32	
V514.485	20	45	M6	15	V514.486	30	20	15	2	GILDEMEISTER	
V514.241	12	36	M10	8	V514.242	18	12	14	2	GIORGI 20-25-32	V514.240
V514.261	10	62		8	V514.262	16	10,5	12	1	GIORGI 20-25-32	
V514.101	12	52		7	U2010-A	16	12	10	1	SAIC B26	V514.100
V514.231	12	36	M10	8	V514.232	18	12	10	2	SAIC B26-30	V514.230
V514.251	10	37		9	V514.242	18	12	14	2	SAIC B26-30	V514.250
V514.211	12	23	M8	8	V514.212	18	12	12	2	SAIC A30	
		32	M8	6		19		11	6	SAIC A30	V514.220
					V514.SE25	47	25	13	1	SCHÜTTE SE25 (SE25 D859)	V514.SE25
V514.421	8	43		4	V514.422	18	8	18	1	TAREX 42-52	V514.420
V514.101	12	52		7	U2010-A	16	12	10	1	TRAUB A15-20-25	V514.100
U2015-AK	12	23	M10	8	U2010-A	16	12	10	1	TRAUB A15-20-25	V514.100
U2015-AL	12	36	M10	8	U2010-A	16	12	10	1	TRAUB A15-20-25	V514.120
V514.711	12	23	M10	15	U2010-A	16	12	10	1	TRAUB A15-20-25	UTRA-A
U2015-TD	10	28		11						TRAUB TD16-26-36	V514.010
U2015-TD	10	28		11	V514.012B	20	13	8	1	TRAUB TD16-26-36	UTRA-TD
V514.159		53	M16x1		Inkl. Kugellager / <i>incl. ball bearing</i>					TRAUB TB60 655.159	
V514.021	8	33		5	VZ714.010	12	8	10	1	TRAUB TD16-26-36	
		28	M6x1	6		16		11	6	TRAUB TD16-26-36	V514.030
V514.601	14	52		7	U2010-A	16	12	10	1	TRAUB A36-42-60	V514.600
U2015-TA	15	40	M12	8	U2010-TA	25	15	14	2	TRAUB A36-42-60	V514.610
V514.711	12	23	M10	15	U2010-A	16	12	10	1	TRAUB TB30-42-60	UTRA-A
U2015-TB	15	34	M12	15	U2010-TB	22	15	11,7	2	TRAUB TB30-42-60	UTRA-TB
					V514.723	20	15	11,7	2	TRAUB TB30-42-60	
					V514.913	16	8	7,5	1	INDEX ON OR 12	
V514.811	18	45	M14	8	V.514.812	25	18	14	2	SAIC B45	V514.810

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Rollen, Rollenbolzen Roller, Roller Bolts

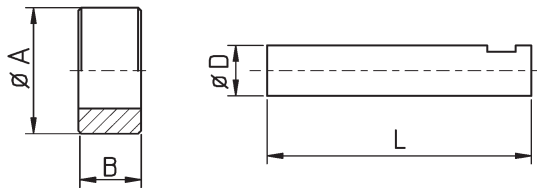
13

Allgemeines Zubehör für CNC- und kurvigesteuerte Drehautomaten
General Specific Parts for CNC- and Cam-Controlled Lathes

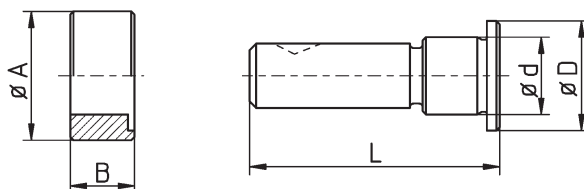
BRITSCH
Spannzeuge GmbH

Rollen, Rollenbolzen für
GILDEMEISTER Mehrspindeldrehautomaten

Rollers, Roller Bolts for
GILDEMEISTER Multi Spindle Lathes



	Bestell-Nr. order-no.	A	D	L	B	Orig. Ersatzteil-Nr. orig. spare part no.
Rolle - <i>roller</i>	U2010-GA	20	8		10	01.27.025
Rollenbolzen - <i>roller bolt</i>	U2015-GA		8	45		05.09.008
Rollenbolzen - <i>roller bolt</i>	U2015-GT		8	32		01.27.024



	Bestell-Nr. order-no.	A	B	L	D	d	Orig. Ersatzteil-Nr. orig. spare part no.
Rolle - <i>roller</i>	U2010-GAS	25	10				06.07.009
Rollenbolzen - <i>roller bolt</i>	U2015-GAS			33	16	12	06.07.010
Rollenbolzen - <i>roller bolt</i>	U2016-GAS			28,5	16	12	15.21.107

GILDEMEISTER GS35:

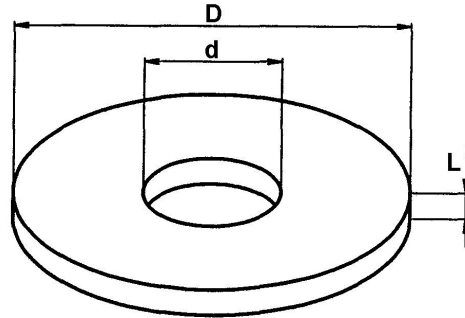
Rolle - <i>roller</i>	U2010-GS	29,5	18				703-09-0021-001
Rollenbolzen - <i>roller bolt</i>	U2015-GS			55	22	18	3703-21-0021

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<i>Cam Disks</i> |
| 2 | Glockenkurven
<i>Steel Tubes for Cams</i> |
| 3 | Kurven f. Stoppanschlag
<i>Bar Catch Cam Disks</i> |
| 3, 4 | Kurven f. Quer- und Senkrechtsupport
<i>Cam Disks for Crosswire and Vertical Slide</i> |
| 5 | Glockenkurven f. Langdreheinrichtung
<i>Cam Tubes for Lathes</i> |
| 5, 6 | Glockenkurven f. Gewindeschneidapparat
<i>Cam Tubes for Tapping Equipment</i> |
| 7 | Glockenkurven f. Bohrreitstock
<i>Cam Disks for Bore Tailstock Equipment</i> |
| 8 | Rückzugskurven
<i>Cam Tubes for Return</i> |
| 8 | Kurven f. Zangenspanneinrichtung
<i>Cam Tubes for Open-Close Collet Equipment</i> |
| 9 | Kurven für diverse Maschinen
<i>Cam Tubes and Disks for Different Machines</i> |

Kurvenscheiben Stahl

Cam Disks Steel Version



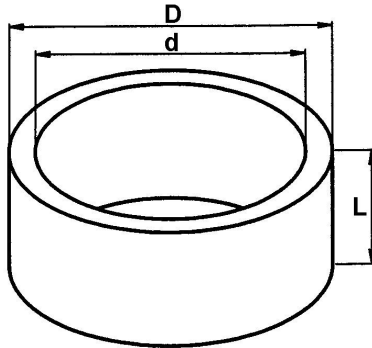
Bestell-Nr. order-no.	D	d	L
V400.0783010	78	30	10
V400.0804610	82	46	10
V400.0864610	86	46	10
V400.0883010	88	30	10
V400.0884610	88	46	10
V400.0893012	89	30	12
V400.0902008	90	20	8
V400.0903006	90	30	6
V400.0904510	90	45	10
V400.0923006	92	30	6
V400.0964012	98	40	12
V400.0964410	96	44	10
V400.0994012	99	40	12
V400.1002408	100	24	8
V400.1002410	100	24	10
V400.1002808	100	28	8
V400.1003010	100	30	10
V400.1063010	106	30	10
V400.1063012	106	30	12
V400.1102008	110	20	8
V400.1102606	110	26	6
V400.1102808	110	28	8
V400.1103208	110	32	8
V400.1104206	110	42	6
V400.1104512	110	45	12
V400.1104612	110	46	12
V400.1153006	115	30	6
V400.1153010	115	30	10
V400.1185812	118	58	12
V400.1202008	120	20	8
V400.1202410	120	24	10
V400.1202610	120	26	10

Bestell-Nr. order-no.	D	d	L
V400.1202808	120	28	8
V400.1203006	120	30	6
V400.1203007	120	30	7
V400.1203208	120	32	8
V400.1204010	120	40	10
V400.1236412	123	64	12
V400.1243208	124	32	8
V400.1244208	124	42	8
V400.1252008	125	20	8
V400.1252608	125	26	8
V400.1252808	125	28	8
V400.1253208	125	32	8
V400.1254208	125	42	8
V400.1302008	130	20	8
V400.1303006	130	30	6
V400.1303208	130	32	8
V400.1304008	130	40	8
V400.1304208	130	42	8
V400.1304512	130	45	12
V400.1402008	140	20	8
V400.1402410	140	24	10
V400.1402610	140	26	10
V400.1402808	140	28	8
V400.1403008	140	30	8
V400.1403208	140	32	8
V400.1403608	140	36	8
V400.1404010	140	40	10
V400.1404508	140	45	8
V400.1405010	140	50	10
V400.1503608	150	36	8
V400.1504010	150	40	10
V400.1505010	150	50	10

Bestell-Nr. order-no.	D	d	L
V400.1562808	156	28	8
V400.1584810	158	48	10
V400.1585810	158	58	10
V400.1602008	160	20	8
V400.1602408	160	24	8
V400.1602410	160	24	10
V400.1602610	160	26	10
V400.1602808	160	28	8
V400.1603006	160	30	6
V400.1603208	160	32	8
V400.1604010	160	40	10
V400.1604512	160	45	12
V400.1663208	166	32	8
V400.1703510	170	35	10
V400.1704010	170	40	10
V400.1753510	175	35	10
V400.1802008	180	20	8
V400.1803208	180	32	8
V400.1804010	180	40	10
V400.1904010	190	40	10
V400.2002008	200	20	8
V400.2002410	200	24	10
V400.2002610	200	26	10
V400.2003010	200	30	10
V400.2003208	200	32	8
V400.2003608	200	36	8
V400.2004010	200	40	10
V400.2102410	210	24	10
V400.2202010	220	20	10
V400.2202410	220	24	10
V400.2202610	220	26	10
V400.2203208	220	32	8
V400.2204010	220	40	10
V400.2402010	240	20	10
V400.2404010	240	40	10
V400.2502610	250	26	10
V400.2504010	250	40	10
V400.2602810	260	28	10
V400.2602812	260	28	12
V400.2604010	260	40	10
V400.2704010	270	40	10
V400.2804010	280	40	10
V400.3004010	300	40	10

Glockenkurven Stahl

Steel Tubes for Cams



Bestell-Nr. order-no.	L	D	d	Maschine machine	Funktion function				
V402.040	40	80	60	TRAUB A15-20-25 SAIC B26-30 A30	Drehen <i>turning</i>				
V402.050	50								
V402.060	60								
V402.070	70								
V402.080	80								
V402.090	90								
V402.090	90			CASER 26					
<hr/>									
V403.050	50	99	78	CASER 26-30 MERLI 26	Reitstock <i>tailstock</i>				
V403.060	60								
V403.070	70								
V403.075	75								
V403.080	80				Gew.schneid- apparat <i>tapping unit</i>				
<hr/>									
V404.030	30	108	84	SAIC B26-30 SAIC A30 ITS26	Gew.schneid- apparat <i>tapping unit</i>				
V404.040	40								
V404.050	50								
V404.060	60								
V404.070	70								
V404.080	80								
V404.090	90								
V404.100	100								
<hr/>									
V405.025	25					104	80	GIORGI GM20-25-32	Gew.schneid- apparat <i>tapping unit</i>
V405.035	35								
V405.040	40								
V405.050	50								
V405.060	60								
V405.070	70								
V405.080	80								
V405.090	90								

Bestell-Nr. order-no.	L	D	d	Maschine machine	Funktion function				
V406.040	40	108	88	GIORGI 20-25-32 SAIC B26-30 / A30 ITS26	Reitstock <i>tailstock</i>				
V406.050	50								
V406.060	60								
V406.070	70								
V406.080	80								
V406.090	90								
V406.100	100								
V406.120	120								
<hr/>									
V407.040	40	120	104	STROHM 150-125 Tornos R10	Dreispindel- apparat <i>3-spindle unit</i>				
V407.045	45								
V407.050	50								
V407.060	60								
V407.070	70								
V407.080	80								
<hr/>									
V408.040	40	115	95	TRAUB A15-20-25 TRAUB A36-42-60	Gew.schneid- apparat <i>tapping unit</i>				
V408.050	50								
V408.060	60								
V408.070	70								
V408.080	80								
V408.090	90								
V408.100	100								
V408.110	110								
V408.120	120								
<hr/>									
V410.040	40					130	110	TRAUB TD 16-26-36	Reitstock <i>tailstock</i>
V410.050	50								
V410.060	60								
V410.070	70								
V410.080	80								
V410.090	90								
V410.100	100								
V410.110	110								
V410.120	120								
V410.130	130								
V410.140	140								
<hr/>									
V412.050	50	150	25	TRAUB A42-60 TRAUB TB42-60 SAIC B45 ITS 36-42-60	Reitstock <i>tailstock</i>				
V412.060	60								
V412.070	70								
V412.080	80								
V412.090	90								
V412.100	100								
V412.110	110								
V412.120	120								
V412.130	130								
V412.140	140								
V412.150	150								

Kurven für Stoppanschlag gehärtet

Bar Catch Cam Disks Hardened

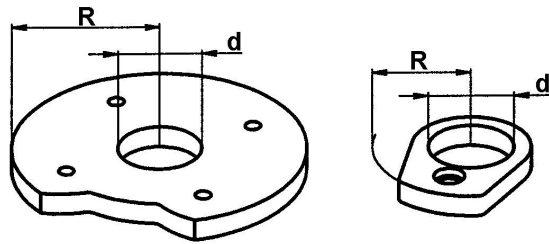


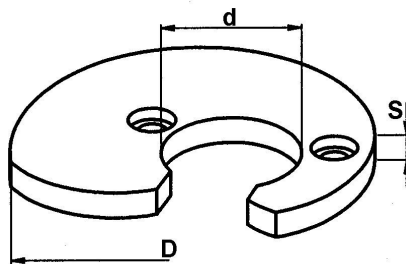
Bild 2

Bild 1

Bestell-Nr. order-no.	Winkel angle	R	d	Bild	Maschine machine
V420.101	46°	36	30	1	TRAUB A15-15-20-25
V420.201	46°	36	30	1	SAIC/ITS / GIORGI 20-25-32
V420.601	42°	47	40	1	TRAUB A36-42-60
V420.701	48°	80	45	2	TRAUB TB30-42-60

**Kurven gehärtet
für Quer- und Senkrechtsupport**

**Cam Disks Hardened, for
Crosswire and Vertical Slide**



Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 76 d = 30 S = 10	Maschine machine	Schlitten slide
V421.101	30°		0 1 2 3 4 5		
V421.101	60°		0 1 2 3 4 5 6 7 8		
V421.101	90°		0 1 2 3 4 5 6 7 8 9 10 11 12	TRAUB A15-20-25	Hor.
V421.101	120°		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	SAIC B26-30	Hor.
V421.101	150°		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	SAIC A26-30-32	Hor.-Vert
V421.101	180°		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	GIORGI 20-25-30-32	Hor.
V421.101	200°		0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	ITS 26	Trav.
V421.101	220°	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		FEINLER FA10-15	Hor.-Vert
V421.101	240°	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		CASER 26-30	Hor.-Vert
V421.101	260°	0 2 4 6 8 10 12 14 16 18 20			

Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 130 d = 45 S = 12	Maschine machine	Schlitten slide
V421.205	90°		0 1 2 4 5 6 8 10 12 14 15 16 18 20		
V421.205	120°		0 1 2 4 5 6 8 10 12 14 15 16 18 20 22		
V421.205	150°		0 1 2 4 5 6 8 10 12 14 15 16 18 20 22 24 25 26 28 30		
V421.205	180°		0 1 2 4 5 6 8 10 12 14 15 16 18 20 22 24 25 26 28 30 32		
V421.205	220°		0 1 2 4 5 6 8 10 12 14 15 16 18 20 22 24 25 26 28 30 32	ITS 36-42-60	Hor.-Vert

13.2 - 4

Kurven, Kurvenscheiben Cam Disks

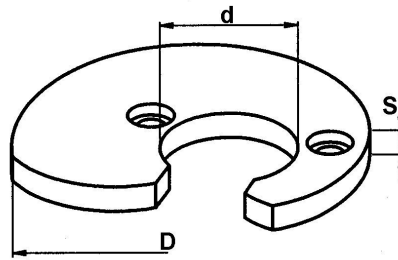
13

Allgemeines Zubehör für CNC- und kurvengesteuerte Drehautomaten
General Specific Parts for CNC- and Cam-Controlled Lathes

BRITSCH
Spannzeuge GmbH

Kurven gehärtet
für Quer- und Senkrechtsupport

Cam Disks Hardened, for
Crosswire and Vertical Slide



Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 96 d = 40 S = 12	Maschine machine	Schlitten - slide
V421.601	60°	0 1 2 3 4 5 6 8			
V421.601	90°	0 1 2 3 4 5 6 8 10 12 14			
V421.601	120°	0 1 2 3 4 5 6 8 10 12 14 16 18		TRAUB A26	Hor.-Vert
V421.601	150°	0 2 4 6 8 10 12 14 16 18 20 22		TRAUB A36-42-60	Hor.
V421.601	180°	0 2 4 6 8 10 12 14 16 18 20 22 24 26		SAIC B45	Hor.
V421.601	220°	0 2 4 6 8 10 12 14 16 18 20 22 24 26		CASER 42-45-50	Hor.-Vert
V421.601	260°	0 2 4 6 8 10 12 14 16 18 20 22 24 26			

Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 160 d = 45 S = 12	Maschine machine	Schlitten - slide
V421.701	90°	0 1 2 3 4 6 8 10 12 14 16 18 20			
V421.701	120°	0 1 2 3 4 6 8 10 12 14 16 18 20 22 24 26 28 30			
V421.701	150°	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32		TRAUB TB30-42-60	Hor.-Vert
V421.701	180°	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32			
V421.701	220°	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32			

Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 90 d = 45 S = 10	Maschine machine	Schlitten - slide
V422.101	60°	1 2 3 4 5 6 7 8			
V422.101	90°	1 2 3 4 5 6 7 8 9 10 11 12			
V422.101	120°	2 3 4 5 6 7 8 9 10 11 12 13 14 15			
V422.101	150°	2 3 4 5 6 7 8 9 10 11 12 13 14 15		TRAUB A15-20-25	Vert.
V422.101	180°	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16			
V422.101	220°	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16			
V422.101	240°	4 5 6 7 8 9 10 11 12 13 14 15 16			
V422.101	260°	4 6 8 10 12 14 16			

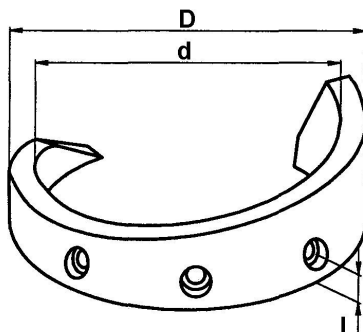
Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 80 d = 46 S = 10	Maschine machine	Schlitten - slide
V422.201	60°	1 2 3 4 5 6 7 8 10			
V422.201	90°	1 2 3 4 5 6 7 8 10 11 12			
V422.201	120°	1 2 3 4 5 6 7 8 10 11 12		SAIC B26-30	Vert.
V422.201	150°	1 2 3 4 5 6 7 8 10 11 12		ITS 26	Vert.
V422.201	180°	2 3 4 5 6 7 8 9 10 11 12 13 14			
V422.201	220°	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16			

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Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 118 d = 58 S = 12	Maschine machine	Schlitten - slide
V422.601	90°	2 4 6 8			
V422.601	120°	2 4 6 8 10			
V422.601	150°	2 4 6 8 10 12 14 16 18 20 22 24		TRAUB A36-42-60	Vert.
V422.601	180°	2 4 6 8 10 12 14 16 18 20 22 24 26			
V422.601	220°	2 4 6 8 10 12 14 16 18 20 22 24 26			

Glockenkurven gehärtet, für Langdreheinrichtung

Cam Tubes Hardened, for Lathes

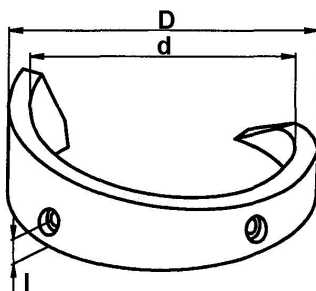


Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 80 d = 60 l = 10	Maschine machine
V430.101	180°	10 15 20 25 30 35 40 50		TRAUB A 15-20-25
V430.101	220°	10 15 20 25 30 35 40 50 60		CASAR TA26-30
V430.101	240°	20 30 40 50 60		SAIC E26-30 A26-30-32 GIORGI 20-25-30-32/ ITS 26

Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 115 d = 95 l = 15	Maschine machine
V430.601	180°	10 20 30 40 50 60		TRAUB A26-36-42-60
V430.601	220°	10 20 30 40 50 60 70		
V430.601	240°	40 60 80		

**Glockenkurven gehärtet,
für Gewindeschneidapparat**

**Cam Tubes Hardened,
for Tapping Equipment**



Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 115 d = 95 l = 15	Maschine machine
V431.101	100°	5 8 10 12 15 18 20 23 25 30 35		TRAUB A15-20-25
V431.101	120°	5 8 10 12 15 18 20 23 25 30 35 40		

		D = 104 d = 80 l = 11		
V431.201	90°	6 8 10 12 15 18 20 23 25 30		GIORGI 20-25-30-32
V431.201	120°	6 8 10 12 15 18 20 23 25 30 35		

		D = 108 d = 84 l = 11		
V431.202	100°	5 8 10 12 15 18 20 22 25 28 30 35		SAIC B26-30 A26-30-32 ITS 26 (Alter Typ)
V431.202	120°	5 8 10 12 15 18 20 22 25 28 30 35		

		D = 108 d = 88 l = 15		
V431.203	100°	10 12 15 18 20 22 25 28 30 35		ITS 26 (Neuer Typ)
V431.203	120°	10 12 15 18 20 22 25 28 30 35		

13.2 - 6

Kurven, Kurvenscheiben Cam Disks

13

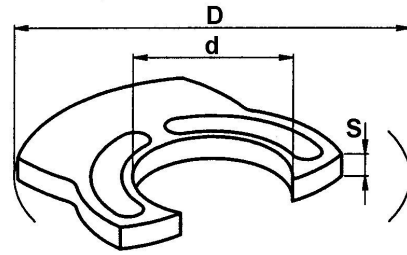
Allgemeines Zubehör für CNC- und kurvengesteuerte Drehautomaten
General Specific Parts for CNC- and Cam-Controlled Lathes

BRITSCH
Spannzeuge GmbH

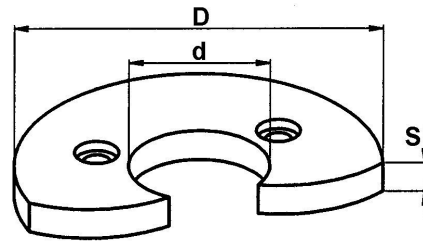
**Glockenkurven gehärtet,
für Vorschub Gewindeschneidapparat**

**Cam Tubes Hardened,
for Feed Tapping Equipment**

Bestell-Nr. order-no.	D	d	S	Maschine machine
V425.101 A	90	36	5	TRAUB A 15-20-25
V425.101 B	90	36	5	



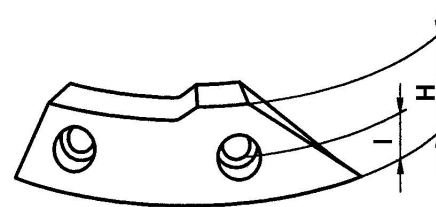
Bestell-Nr. order-no.	Winkel angle	Hub stroke	D	d	S	Maschine machine
V425.201	120°	0	88	30	10	SAIC B26-30
V425.201	150°					
V425.201	180°					
V425.201	220°		106	30	12	ITS 26
V425.204	120°					
V425.204	150°					
V425.204	180°					
V425.204	220°					



**Glockenkurven gehärtet,
für Vorschub Gewindeschneidapparat**

**Cam Disks Hardened
for Feed Tapping Equipment**

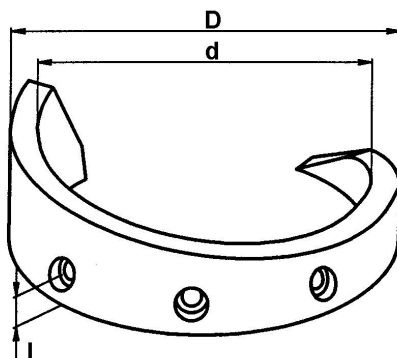
Bestell-Nr. order-no.	Winkel angle	H	D	d	l	Maschine machine
V432.101	40°	30	115	95	15	TRAUB A15-20-25
V432.101	50°					
V432.101	60°					
V432.101	70°					
V432.101	80°					
V432.101	100°	24	104	80	11	GIORGI 20-25- 30-32
V432.201	40°					
V432.201	50°					
V432.201	60°					
V432.201	70°					
V432.201	80°	30	108	84	11	SAIC B 26-30 SAIC A 26-30-32
V432.202	40°					
V432.202	50°					
V432.202	60°					
V432.202	70°					
V432.202	80°	30	108	88	15	ITS26
V432.203	40°					
V432.203	50°					
V432.203	60°					
V432.203	80°					



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Glockenkurven gehärtet,
für Bohrreitstock

Cam Disks Hardened,
for Bore Tailstock Equipment



Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 115 d = 95 I = 15	Maschine machine
V433.101	150°	0 5 8 10 12 15 18 20 23 25 28 30 35 40		TRAUB A 15-20-25
V433.101	180°	0 5 8 10 12 15 18 20 23 25 28 30 35 40 45 50 55 60		
V433.101	200°	0 5 10 15 20 25 30 35 40 45 50 60		
V433.101	220°	0 5 8 10 12 15 18 20 23 25 28 30 35 40 45 50 55 60 65 70		

Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 108 d = 88 I = 15	Maschine machine
V433.201	150°	0 5 8 10 12 15 18 20 23 25 28 30 35 40		GIORGI 20-25-30-32 SAIC A26-30-32 B26-30 ITS 26
V433.201	180°	0 5 8 10 12 15 18 20 23 25 28 30 35 40 45 50		
V433.201	220°	0 5 8 10 12 15 18 20 23 25 28 30 35 40 45 50 55 60 65		

Bestell-Nr. order-no.	Winkel angle	Hub - stroke	D = 150 d = 125 I = 20	Maschine machine
V433.601	150°	0 5 10 15 20 25 30		TRAUB A26-36-42-60 TRAUB TB30-42-60 ITS36-42-60 SAIC B45
V433.601	180°	0 10 15 20 25 30 35 40 45 50 55 60		
V433.601	200°	20 25 30 35 40 45 50 55 60		
V433.601	220°	10 15 20 25 30 35 40 45 50		
V433.601	220°	55 60 65 70 75 80 85 90		

13.2 - 8

Kurven, Kurvenscheiben Cam Disks

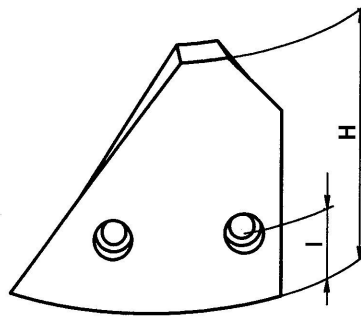
13

Allgemeines Zubehör für CNC- und kurvengesteuerte Drehautomaten
General Specific Parts for CNC- and Cam-Controlled Lathes

BRITSCH
Spannzeuge GmbH

Rückzugskurven gehärtet,
für Bohrreitstock / Langdreheinrichtung

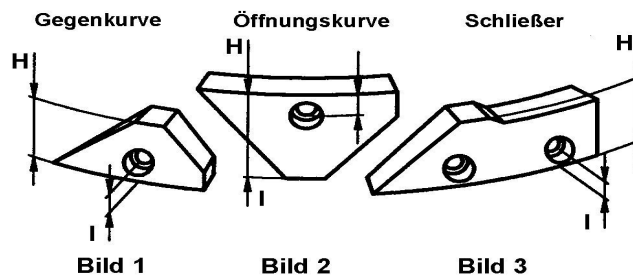
Cam Tubes for Return Hardened,
for Bore Tailstock and Lathe Equipment



Bestell-Nr. order-no.	Winkel angle	H	I	Für Bestell-Nr. for order-no.	Funktion	Maschine machine
V437.101	60°	70	20	V433.101	Bohrreitstock	TRAUB A15-20-25
V437.103	50°	49	10	V430.101	Langdreheinrichtung	TRAUB - SAIC - ITS - GIORGI - CASAR 25
V437.104	90°	112	20	V433.103	Bohrreitstock	TRAUB TD 16-26-36
V437.201	56°	62	20	V433.201	Bohrreitstock	SAIC - ITS - GIORGI 20-25-30-32
V437.601	90°	125	20	V433.601	Bohrreitstock	TRAUB - SAIC - ITS - 36-42-60
V437.602	90°	125	20	V430.205	Langdreheinrichtung	ITS 36-42-60

Kurven gehärtet,
für Zangenspanneinrichtung

Cam Tubes Hardened,
for Open-Close Collet equipment



Bestell-Nr. order-no.	Bild	H	I	Maschine machine
V439.101	1	24		
V439.102	2	32	11	TRAUB - SAIC - ITS - GIORGI - 15-20-25-26-30-32
V439.103	3	29		
V439.601	1	32		
V439.602	2	35	12,5	TRAUB A 36-42-60
V439.603	3	39		
V439.701	1	42,5		
V439.702	2	49	12,5	TRAUB TB 30-42-60
V439.703	3	47		

13

Kurven für diverse Maschinen

Cam Tubes and Disks for Different Machines

Nur auf Nachfrage

only on request

Bestell-Nr. order-no.	D	d	S	Schlitten - slide	Maschine machine	Bild
V418.240	240	40	10	Revolver - <i>revolver</i>	ATA 40	10
V417.150	150	40	10	Hor. - <i>horizontal</i>	ATA 40	4
V433.203	99	78	10		CASER TA26-30	6
V433.243	115	90	16		CASER TA45-50	6
V418.240	240	40	10	Revolver - <i>revolver</i>	DAR 46	10
V417.180	180	40	10	Hor.-Vert. - <i>hor.-vert.</i>	DAR 46	4
V433.220	100	81	-		FEINLER 10 -15	8
V422.202	96	44	10	Vert. - <i>vertical</i>	GIORGI 20-25-32	1
V418.120	120	30	6	Revolver - <i>revolver</i>	INDEX DG12	10
V418.090	90	30	6	Hor.-Vert. - <i>hor.-vert.</i>	INDEX DG12	4
V418.166	166	32	8	Revolver - <i>revolver</i>	INDEX 12-18-25	10
V417.125	124	42	8	Vert. - <i>vertical</i>	INDEX 12-18-25	4
V417.125B	124	32	8	Hor. - <i>horizontal</i>	INDEX 12-18-25	4
V418.220	220	32	8	Revolver - <i>revolver</i>	INDEX C 19-29	10
V417.140	140	36	8	Hor.-Vert. - <i>hor.-vert.</i>	INDEX C 19-29	4
V418.240	240	40	10	Revolver - <i>revolver</i>	INDEX 24-36-52	10
V418.240	240	40	10	Revolver - <i>revolver</i>	INDEX B42-60	10
V417.150	150	50	10	Vert. - <i>vertical</i>	INDEX 24-36-52	4
V417.150B	150	40	10	Hor. - <i>horizontal</i>	INDEX 24-36-52	4
V417.150B	150	40	10	Hor. - <i>horizontal</i>	INDEX B42-60	4
V422.205	110	45	12	Vert. - <i>vertical</i>	ITS 36	1
V418.240	240	40	10	Revolver - <i>revolver</i>	LOGOS 42-52	10
V417.150	150	40	10	Hor. - <i>horizontal</i>	LOGOS 42-52	4
V422.801	123	64	12	Vert. - <i>vertical</i>	SAIC B45	1
V421.805	115	48	12	Hor. - <i>horizontal</i>	SAIC 50	1
V433.809	139	115	13		SAIC 50	5
V417.125C	125	28	8	Vert. - <i>vertical</i>	STROHM 75-125	3
V419.180	180	20	8		STROHM 75-125	11
V417.125D	125	20	8		STROHM 75-125	3
V419.260	260	26	10		STROHM 205-255	11
V417.175B	175	26	10		STROHM 205-255	3
V417.175	175	35	10	Vert. - <i>vertical</i>	STROHM 205-255	3
V418.240	240	40	10	Revolver - <i>revolver</i>	TAREX 42-52	10
V417.150	150	40	10	Hor. - <i>horizontal</i>	TAREX 42-52	4
V421.103	130	40	8	Vert.-Hor. - <i>hor.-vert.</i>	TRAUB TD16-26-36	2
V433.103	130	110	12,5		TRAUB TD16-26-36	5
V434.130	130	110	12,5	Revolver - <i>revolver</i>	TRAUB TD16-26-36	7
V435.090	90	70	-		TRAUB TD16-26-36	9
V434.115	115	95	15	Revolver - <i>revolver</i>	TRAUB A25	7
V434.150	150	125	20	Revolver - <i>revolver</i>	TRAUB TB30-42-60	7
V435.120	120	95	-		TRAUB TB30-42-60	9

Bild 1



Bild 2

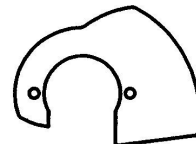


Bild 3

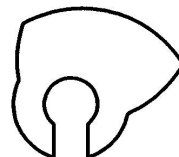


Bild 4



Bild 5

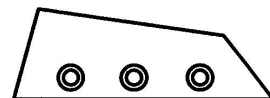


Bild 6

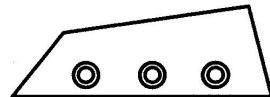


Bild 8



Bild 10

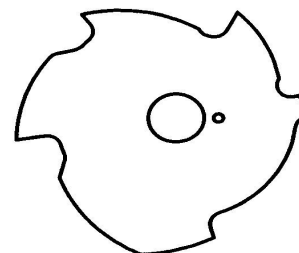


Bild 11

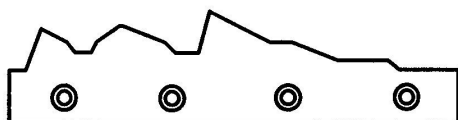
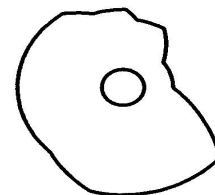


Bild 7



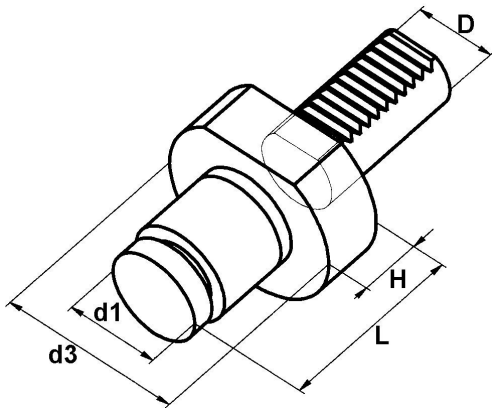
Bild 9

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- 1 Stoppanschlage mit VDI-Schaft
VDI Bar Stops, Fixed
- 2 -6 Werkstoffanschlage, mitlaufend
Revolving Bar Stops
- 6 Kopfe mit Gewindestange fur Werkstoffanschlage
Heads with Thread Bar for Bar Stops
- 7 Werkstoffanschlage m. Wechseleinsatzen
Revolving Bar Stops with Interchangeable Disks
- 8 Aufsatze fur Werkstoffanschlage STUP
Interchangeable Disks for Revolving Bar Stops STUP

VDI-Stoppanschlagshalter, gedämpft

VDI Bar Stops, Damped

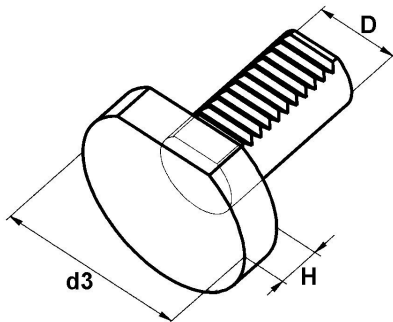


Bestell-Nr. order-no.	D	d1	d3	L	H
C-9 S3.20.35	20	35	50	58	16
C-9 S3.20.56	20	56	50	58	16
C-9 S3.30.35	30	35	68	70	20
C-9 S3.30.56	30	56	68	70	20
C-9 S3.40.40	40	44	83	78	22
C-9 S3.40.60	40	60	83	78	22

Kompressionslänge 3 mm
Length of compression

VDI-Stoppanschlagshalter

VDI Bar Stops, Fixed



Bestell-Nr. order-no.	D	d3	H
C-9 Z2.16.00	16	40	13
C-9 Z2.20.00	20	50	16
C-9 Z2.25.00	25	58	16
C-9 Z2.30.00	30	68	16
C-9 Z2.40.00	40	83	20
C-9 Z2.50.00	50	98	20
C-9 Z2.60.00	60	123	20

13.3 - 2

Werkstoffanschläge Bar Stops

13

Allgemeines Zubehör für CNC- und kurvengesteuerte Drehautomaten
General Specific Parts for CNC- and Cam-Controlled Lathes

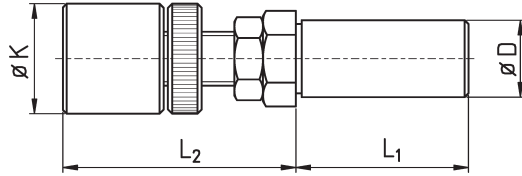


Werkstoffanschläge, mitlaufend

Revolving Bar Stops

Längenverstellbar
Mit 2 stabilen Wälzlagern (axial - radial) gelagert

Adjustable length
With 2 solid ball bearings (axial - radial)



Schlanke Ausführung (Gewindestange M12) - slim version (thread bar M12)

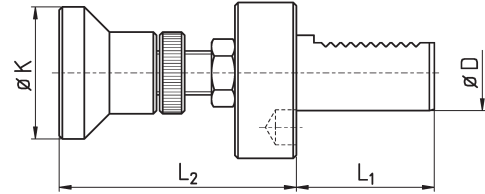
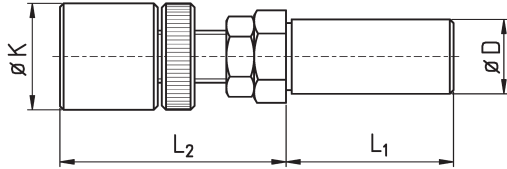
Bestell-Nr. order-no.	K	D	L ₁	L ₂	Gewindestange thread bar	Alte Bestell / INDEX-Nr. old order / INDEX-no.
STK225839-K	22	5/8"	39	46 - 79	M12	U150-58
STK221646-K	22	16	46	39 - 79	M12	U150-16
STK221941-K	22	3/4"	41	41 - 79	M12	U150-10 = W12.040.00
STK221932-KTraub	22	3/4"	32	57 - 79	M12	
STK22V2040-K	22	V20	40	46 - 79	M12	
STK222041-K	22	20	41	41 - 79	M12	U150-11
STK235839-K	23	5/8"	39	46 - 79	M12	
STK231646-K	23	16	46	39 - 79	M12	
STK231941-K	23	3/4"	41	41 - 79	M12	
STK231932-KTraub	23	3/4"	32	57 - 79	M12	
STK23V2040-K	23	V20	40	46 - 79	M12	
STK232041-K	23	20	41	41 - 79	M12	
STK265839-K	26	5/8"	39	46 - 79	M12	
STK261646-K	26	16	46	39 - 79	M12	
STK261941-K	26	3/4"	41	41 - 79	M12	U155-10 = W12.041.00
STK261932-KTraub	26	3/4"	32	57 - 79	M12	
STK26V2040-K	26	V20	40	46 - 79	M12	
STK262041-K	26	20	41	41 - 79	M12	U155-11

Werkstoffanschlüge, mitlaufend

Revolving Bar Stops

Längenverstellbar
 Mit 2 stabilen Wälzlagern (axial - radial) gelagert

*Adjustable length
 With 2 solid ball bearings (axial - radial)*



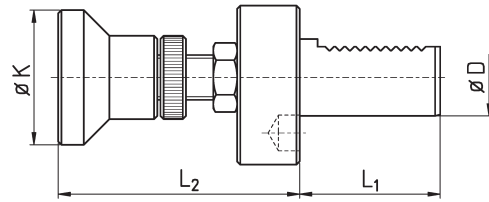
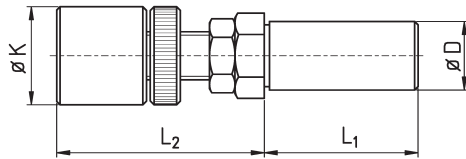
Ausführung mit VDI-Schaft - *Version with VDI-shank*

Standard Ausführung (Gewindestange M14) - standard version (thread bar M14)

Bestell-Nr. order-no.	K	D	L ₁	L ₂	Gewindestange thread bar	Alte Bestell / INDEX-Nr. old order / INDEX-no.
STM221932-KTraub	22	3/4"	32	59 - 79	M14	
STM221932-MTraub	22	3/4"	32	59 - 99	M14	
STM221932-LTraub	22	3/4"	32	59 - 119	M14	
STM221939-K	22	3/4"	39	45 - 79	M14	
STM221939-M	22	3/4"	39	45 - 99	M14	U150-10b
STM221939-L	22	3/4"	39	45 - 119	M14	
STM222041-K	22	20	41	43 - 79	M14	
STM222041-M	22	20	41	43 - 99	M14	U150-11b
STM222041-L	22	20	41	43 - 119	M14	
STM222546-K	22	25	46	43 - 79	M14	
STM222546-M	22	25	46	43 - 99	M14	
STM222546-L	22	25	46	43 - 119	M14	
STM22V2548-K	22	VDI 25	48	57 - 79	M14	
STM22V2548-M	22	VDI 25	48	57 - 99	M14	
STM22V2548-L	22	VDI 25	48	57 - 119	M14	
STM222646-K	22	1"	46	43 - 79	M14	
STM222646-M	22	1"	46	43 - 99	M14	
STM222646-L	22	1"	46	43 - 119	M14	
STM231932-KTraub	23	3/4"	32	59 - 79	M14	
STM231932-MTraub	23	3/4"	32	59 - 99	M14	
STM231932-LTraub	23	3/4"	32	59 - 119	M14	
STM231939-K	23	3/4"	39	45 - 79	M14	
STM231939-M	23	3/4"	39	45 - 99	M14	
STM231939-L	23	3/4"	39	45 - 119	M14	
STM232041-K	23	20	41	43 - 79	M14	
STM232041-M	23	20	41	43 - 99	M14	
STM232041-L	23	20	41	43 - 119	M14	
STM232546-K	23	25	46	43 - 79	M14	
STM232546-M	23	25	46	43 - 99	M14	
STM232546-L	23	25	46	43 - 119	M14	
STM23V2548-K	23	VDI 25	48	57 - 79	M14	
STM23V2548-M	23	VDI 25	48	57 - 99	M14	
STM23V2548-L	23	VDI 25	48	57 - 119	M14	
STM232646-K	23	1"	46	43 - 79	M14	
STM232646-M	23	1"	46	43 - 99	M14	
STM232646-L	23	1"	46	43 - 119	M14	

Werkstoffanschläge, mitlaufend

Revolving Bar Stops



Ausführung mit VDI-Schaft - Version with VDI-shank

Standard Ausführung (Gewindestange M14) - standard version (thread bar M14)

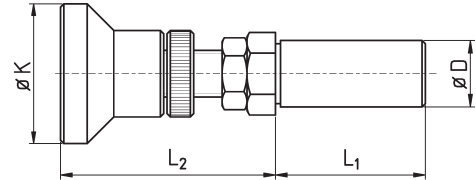
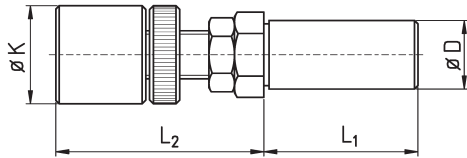
Bestell-Nr. order-no.	K	D	L ₁	L ₂	Gewindestange thread bar	Alte Bestell / INDEX-Nr. old order / INDEX-no.
STM261932-KTraub	26	3/4"	32	59 - 79	M14	
STM261932-MTraub	26	3/4"	32	59 - 99	M14	
STM261932-LTraub	26	3/4"	32	59 - 119	M14	
STM261939-K	26	3/4"	39	45 - 79	M14	
STM261939-M	26	3/4"	39	45 - 99	M14	U155-10b
STM261939-L	26	3/4"	39	45 - 119	M14	
STM262041-K	26	20	41	43 - 79	M14	
STM262041-M	26	20	41	43 - 99	M14	
STM262041-L	26	20	41	43 - 119	M14	
STM262546-K	26	25	46	43 - 79	M14	
STM262546-M	26	25	46	43 - 99	M14	
STM262546-L	26	25	46	43 - 119	M14	
STM26V2548-K	26	VDI 25	48	57 - 79	M14	
STM26V2548-M	26	VDI 25	48	57 - 99	M14	
STM26V2548-L	26	VDI 25	48	57 - 119	M14	
STM262646-K	26	1"	46	43 - 79	M14	
STM262646-M	26	1"	46	43 - 99	M14	
STM262646-L	26	1"	46	43 - 119	M14	
STM341932-Traub	34	3/4"	32	72 - 100	M14	
STM341939	34	3/4"	39	58 - 100	M14	
STM342041	34	20	41	56 - 100	M14	
STM342546	34	25	46	56 - 100	M14	U150-19
STM34V2548	34	VDI 25	48	70 - 100	M14	
STM342646	34	1"	46	56 - 100	M14	U150-20 = W32.041.00
STM391932-Traub	39	3/4"	32	72 - 100	M14	
STM391939	39	3/4"	39	58 - 100	M14	
STM392041	39	20	41	56 - 100	M14	
STM392546	39	25	46	56 - 100	M14	
STM39V2548	39	VDI 25	48	70 - 100	M14	
STM392646	39	1"	46	56 - 100	M14	U150-20S
STM431932-Traub	43	3/4"	32	72 - 100	M14	
STM431939	43	3/4"	39	58 - 100	M14	
STM432041	43	20	41	56 - 100	M14	
STM432546	43	25	46	56 - 100	M14	
STM43V2548	43	VDI 25	48	70 - 100	M14	
STM432646	43	1"	46	56 - 100	M14	U150-20T
STM561932-Traub	56	3/4"	32	72 - 100	M14	
STM561939	56	3/4"	39	58 - 100	M14	
STM562041	56	20	41	56 - 100	M14	
STM562546	56	25	46	56 - 100	M14	
STM56V2548	56	VDI 25	48	70 - 100	M14	
STM562646	56	1"	46	56 - 100	M14	

Werkstoffanschläge, mitlaufend

Revolving Bar Stops

Längenverstellbar
Mit 2 stabilen Wälzlagern (axial - radial) gelagert

*Adjustable length
With 2 solid ball bearings (axial - radial)*



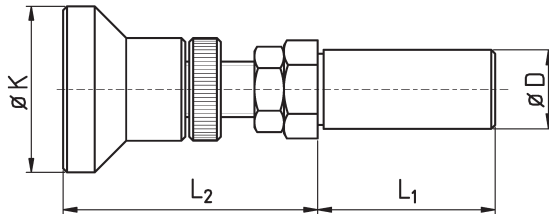
Version mit großem Kopf- \varnothing - *Version with large head*

Stabile Ausführung (Gewindestange M16) - *solid version (thread bar M16)*

Bestell-Nr. order-no.	K	D	L ₁	L ₂	Gewindestange thread bar	Alte Bestell / INDEX-Nr. old order / INDEX-no.
STG342041-K	34	20	41	56 - 102	M16	
STG342041-L	34	20	41	56 - 139	M16	
STG342544-K	34	25	44	58 - 102	M16	
STG342544-L	34	25	44	58 - 139	M16	
STG342644-K	34	1"	44	58 - 102	M16	
STG342644-L	34	1"	44	58 - 139	M16	
STG343160-K	34	1 1/4"	60	60 - 102	M16	U150-30
STG343160-L	34	1 1/4"	60	60 - 139	M16	
STG343260-K	34	32	60	60 - 102	M16	U150-31
STG343260-L	34	32	60	60 - 139	M16	
STG344065-K	34	40	65	65 - 102	M16	U150-40
STG344065-L	34	40	65	65 - 139	M16	
STG392041-K	39	20	41	56 - 102	M16	
STG392041-L	39	20	41	56 - 139	M16	
STG392544-K	39	25	44	58 - 102	M16	
STG392544-L	39	25	44	58 - 139	M16	
STG392644-K	39	1"	44	58 - 102	M16	
STG392644-L	39	1"	44	58 - 139	M16	
STG393160-K	39	1 1/4"	60	60 - 102	M16	
STG393160-L	39	1 1/4"	60	60 - 139	M16	
STG393260-K	39	32	60	60 - 102	M16	
STG393260-L	39	32	60	60 - 139	M16	
STG394065-K	39	40	65	65 - 102	M16	
STG394065-L	39	40	65	65 - 139	M16	
STG432041-K	43	20	41	56 - 102	M16	
STG432041-L	43	20	41	56 - 139	M16	
STG432544-K	43	25	44	58 - 102	M16	
STG432544-L	43	25	44	58 - 139	M16	
STG432644-K	43	1"	44	58 - 102	M16	
STG432644-L	43	1"	44	58 - 139	M16	
STG433160-K	43	1 1/4"	60	60 - 102	M16	
STG433160-L	43	1 1/4"	60	60 - 139	M16	
STG433260-K	43	32	60	60 - 102	M16	
STG433260-L	43	32	60	60 - 139	M16	
STG434065-K	43	40	65	65 - 102	M16	
STG434065-L	43	40	65	65 - 139	M16	

Werkstoffanschläge, mitlaufend

Revolving Bar Stops

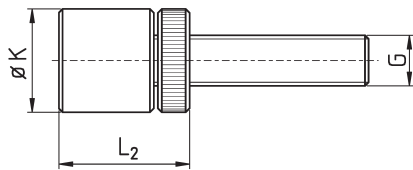
Längenverstellbar
Mit 2 stabilen Wälzlagern (axial - radial) gelagertAdjustable length
With 2 solid ball bearings (axial - radial)

Stabile Ausführung (Gewindestange M16) - solid version (thread bar M16)

Bestell-Nr. order-no.	K	D	L ₁	L ₂	Gewindestange thread bar	Alte Bestell / INDEX-Nr. old order / INDEX-no.
STG562041-K	56	20	41	56 - 102	M16	
STG562041-L	56	20	41	56 - 139	M16	
STG562544-K	56	25	44	58 - 102	M16	U155-19
STG562544-L	56	25	44	58 - 139	M16	
STG562644-K	56	1"	44	58 - 102	M16	U155-20 = W32.051.00
STG562644-L	56	1"	44	58 - 139	M16	
STG563160-K	56	1 1/4"	60	60 - 102	M16	U155-30 = W52.051.00
STG563160-L	56	1 1/4"	60	60 - 139	M16	
STG563260-K	56	32	60	60 - 102	M16	U155-31
STG563260-L	56	32	60	60 - 139	M16	
STG564065-K	56	40	65	65 - 102	M16	U155-40
STG564065-L	56	40	65	65 - 139	M16	
STG852041-K	85	20	41	56 - 102	M16	
STG852041-L	85	20	41	56 - 139	M16	
STG852544-K	85	25	44	58 - 102	M16	
STG852544-L	85	25	44	58 - 139	M16	
STG852644-K	85	1"	44	58 - 102	M16	
STG852644-L	85	1"	44	58 - 139	M16	
STG853160-K	85	1 1/4"	60	60 - 102	M16	
STG853160-L	85	1 1/4"	60	60 - 139	M16	
STG853260-K	85	32	60	60 - 102	M16	
STG853260-L	85	32	60	60 - 139	M16	
STG854065-K	85	40	65	65 - 102	M16	
STG854065-L	85	40	65	65 - 139	M16	

Köpfe mit Kontermutter und Gewindestange

Heads with Counter Nut and Thread Bar



Bestell-Nr. order-no.	Gewinde thread G	K	L ₂
STOM1022	M10	22	
STOM1023	M10	23	
STOM1026	M10	26	
STOM1222	M12	22	
STOM1223	M12	23	
STOM1226	M12	26	
STOM1422	M14	22	
STOM1423	M14	23	
STOM1426	M14	26	

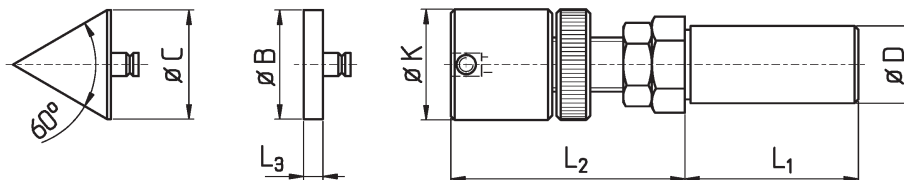
Bestell-Nr. order-no.	Gewinde thread G	K	L ₂
STOM1434	M14	34	
STOM1439	M14	39	
STOM1443	M14	43	
STOM1456	M14	56	
STOM1634	M16	34	
STOM1639	M16	39	
STOM1643	M16	43	
STOM1656	M16	56	

**Werkstoffanschlüge, mitlaufend
mit Wechseleinsätzen**

**Revolving Bar Stops
with Interchangeable Disks**

Längenverstellbar
Anschlagkopf auswechselbar (System PCM)
Mit 2 stabilen Wälzlagern (axial - radial) gelagert

Adjustable length
Interchangeable head (system PCM)
With 2 solid ball bearings (axial - radial)



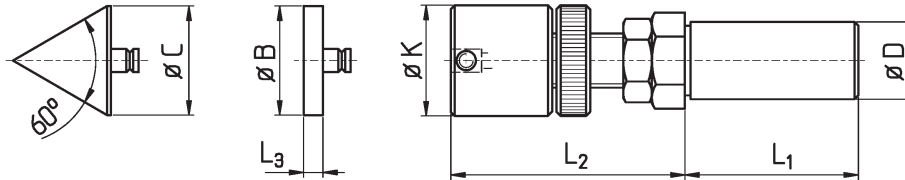
Bestell-Nr. order-no.	K	D	L ₁	L ₂	Gewindestange thread bar
STUP235839	23	5/8"	39	51 - 84	M12
STUP231646	23	16	46	44 - 84	M12
STUP231941	23	3/4"	41	46 - 84	M12
STUP231939-K	23	3/4"	39	50 - 84	M14
STUP231939-M	23	3/4"	39	50 - 104	M14
STUP231939-L	23	3/4"	39	50 - 124	M14
STUP23V2040	23	V20	40	51 - 84	M12
STUP232041-K	23	20	41	48 - 84	M14
STUP232041-M	23	20	41	48 - 104	M14
STUP232041-L	23	20	41	48 - 124	M14
STUP232546-K	23	25	46	48 - 84	M14
STUP232546-M	23	25	46	48 - 104	M14
STUP232546-L	23	25	46	48 - 124	M14
STUP23V2548-K	23	V25	48	62 - 84	M14
STUP23V2548-M	23	V25	48	62 - 104	M14
STUP23V2548-L	23	V25	48	62 - 124	M14
STUP232646-K	23	26	46	48 - 84	M14
STUP232646-M	23	26	46	48 - 104	M14
STUP232646-L	23	26	46	48 - 124	M14

Werkstoffanschläge, mitlaufend
mit Wechseleinsätzen

Revolving Bar Stops
with Interchangeable Disks

Längenverstellbar
Anschlagkopf auswechselbar (System PCM)
Mit 2 stabilen Wälzlagern (axial - radial) gelagert

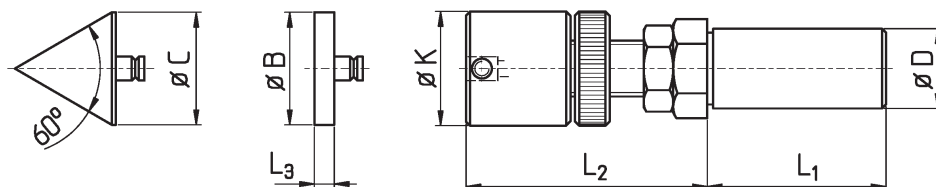
Adjustable length
Interchangeable head (system PCM)
With 2 solid ball bearings (axial - radial)



Bestell-Nr. order-no.	K	D	L ₁	L ₂	Gewindestange thread bar
STUP265839	26	5/8"	39	51 - 84	M12
STUP261646	26	16	46	44 - 84	M12
STUP261941	26	3/4"	41	46 - 84	M12
STUP261939-K	26	3/4"	39	50 - 84	M14
STUP261939-M	26	3/4"	39	50 - 104	M14
STUP261939-L	26	3/4"	39	50 - 124	M14
STUP26V2040	26	V20	40	51 - 84	M12
STUP262041-K	26	20	41	48 - 84	M14
STUP262041-M	26	20	41	48 - 104	M14
STUP262041-L	26	20	41	48 - 124	M14
STUP262546-K	26	25	46	48 - 84	M14
STUP262546-M	26	25	46	48 - 104	M14
STUP262546-L	26	25	46	48 - 124	M14
STUP26V2548-K	26	V25	48	62 - 84	M14
STUP26V2548-M	26	V25	48	62 - 104	M14
STUP26V2548-L	26	V25	48	62 - 124	M14
STUP262646-K	26	26	46	48 - 84	M14
STUP262646-M	26	26	46	48 - 104	M14
STUP262646-L	26	26	46	48 - 124	M14

Werkstoffanschläge, mitlaufend
mit Wechseleinsätzen

Revolving Bar Stops
with Interchangeable Disks



Aufsteckplatten, Zentrierspitzen

Disks, Centering Tapers

Bestell-Nr. order-no.	B	C	L ₃	
STUP150/16	16		5	Aufsteckplatte - Interchangeable disk
STUP150/25	25		5	Aufsteckplatte - Interchangeable disk
STUP155/60°		25		Zentrierspitze 60° - Centering taper 60°

Technische Informationen**Technical Informations**

Maximale Drehzahlen für mitlaufende Spitzen:

6000 U / min
r.p.m.

Rundlaufgenauigkeit:

< 0,01

Um die Lager der mitlaufenden Spitzen nicht übermäßig zu belasten, wird empfohlen, nur ca 2/3 des angegebenen Federwegs (H) auszunützen.

Eine Benutzung mit komplett komprimierter Feder kann zu einer Beschädigung der Lager führen.

13.4 - 2

Mitlaufende Spitzen Revolving Centers

13

Allgemeines Zubehör für CNC- und kurvgesteuerte Drehautomaten
General Specific Parts for CNC- and Cam-Controlled Lathes



Technische Informationen

Technical Informations

Maximale Drehzahlen für mitlaufende Spitzen:

Maximum rotation speed for revolving centers:

6000 U / min
r.p.m.

Rundlaufgenauigkeit:

Runout accuracy:

< 0,01

Um die Lager der mitlaufenden Spitzen nicht übermäßig zu belasten, wird empfohlen, nur ca 2/3 des angegebenen Federwegs (H) auszunützen.

To prevent a high strain of the bearings we recommend only be use 2/3 of the compensation (H).

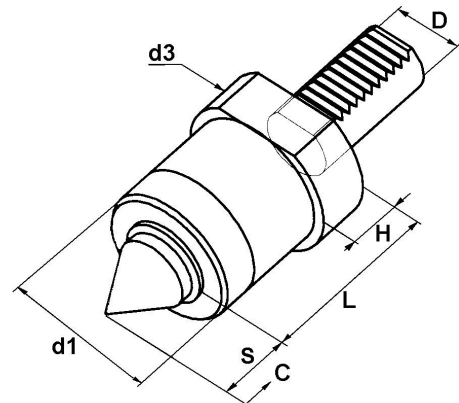
Eine Benutzung mit komplett komprimierter Feder kann zu einer Beschädigung der Lager führen.

Using with completely compressed spring could damage the bearing.

VDI-Halter für Mitlaufende Spitzen

VDI Revolving Centers

Bestell-Nr. order-no.	D	d1	d3	L	H	S	C
C-9 V3.30.78	30	58	68	78	20	34	2,5
C-9 V3.40.80	40	58	83	80	22	34	2,5

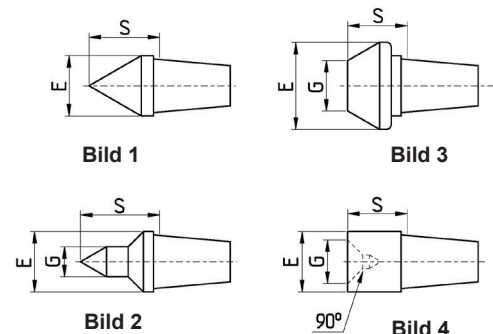


Lieferung mit Spitze V172.601
Provided with insert V172.601

Mitlaufende Spitzen für C-9 V3...

Interchangeable Centers for C-9 V3...

Bestell-Nr. order-no.	Bild	E	S	G
V172.601	1	28	34	-
V172.602	2	28	40	7
V172.602B	2	28	40	12
V172.603	3	58	36	25
V172.604	4	28	32	24



13

Mitlaufende Spitzen, gefedert

Revolving Centers, Sprung

Bestell-Nr. order-no.	Bild	d	L	Spitze center
V172.208B1	1	8	35	60°
V172.210B1	1	10	35	60°
V172.212B1	1	12	35	60°
V172.214B1	1	14	35	60°
V172.215B1	1	5/8"	35	60°
V172.216B1	1	16	46	60°
V172.219B1	1	3/4"	46	60°
V172.220B1	1	20	46	60°
V172.222B1	1	22	46	60°
V172.225B1	1	25	46	60°
V172.226B1	1	1"	46	60°
V172.208B2	2	8	35	60°
V172.210B2	2	10	35	60°
V172.212B2	2	12	35	60°
V172.214B2	2	14	35	60°
V172.215B2	2	5/8"	35	60°
V172.216B2	2	16	46	60°
V172.219B2	2	3/4"	46	60°
V172.220B2	2	20	46	60°
V172.222B2	2	22	46	60°
V172.225B2	2	25	46	60°
V172.226B2	2	1"	46	60°
V172.208B3	3	8	35	60°
V172.210B3	3	10	35	60°
V172.212B3	3	12	35	60°
V172.214B3	3	14	35	60°
V172.215B3	3	5/8"	35	60°
V172.216B3	3	16	46	60°
V172.219B3	3	3/4"	46	60°
V172.220B3	3	20	46	60°
V172.222B3	3	22	46	60°
V172.225B3	3	25	46	60°
V172.226B3	3	1"	46	60°

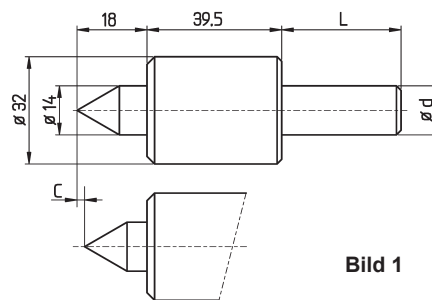


Bild 1

**C = 2 mm = Andruckweg / Kompensation
Compensation**

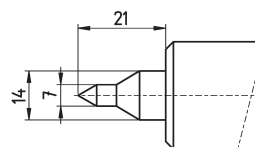


Bild 2

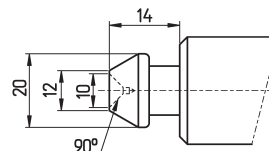
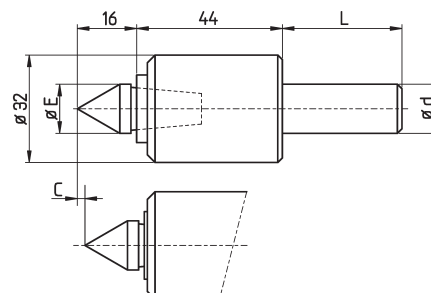


Bild 3

Mitlaufende Spitzen, gefedert

Revolving Centers, Sprung

Bestell-Nr. order-no.	d	E	L
V172.308	8	14	35
V172.310	10	14	35
V172.312	12	14	35
V172.314	14	14	35
V172.315	5/8"	14	35
V172.316	16	14	46
V172.319	3/4"	14	46
V172.320	20	14	46
V172.322	22	14	46
V172.325	25	14	46
V172.326	1"	14	46



**C = 3 mm = Andruckweg / Kompensation
Compensation**

Lieferung mit Spitze V172.301
Provided with insert V172.301

13.4 - 4

Mitlaufende Spitzen Revolving Centers

13

Allgemeines Zubehör für CNC- und kurvgesteuerte Drehautomaten
General Specific Parts for CNC- and Cam-Controlled Lathes

BRITSCH
Spannzeuge GmbH

Einsätze für mitlaufende Spitzen für V172.3..

Interchangeable Centers for V172.3..

Bestell-Nr. order-no.	Bild	E	S	G	F	Spitze center
V172.301	1	14	16	-	-	60°
V172.302	2	14	22	7	-	60°
V172.303	3	20	12	12	10	90°

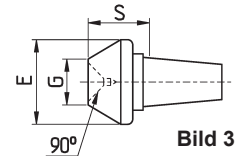
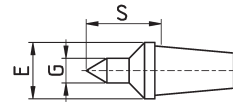
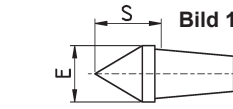


Bild 2

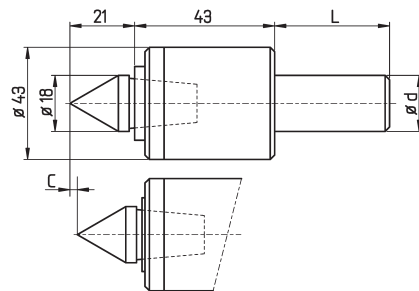
Bild 3

V172.411 Schlüssel - spanner

Mitlaufende Spitzen, gefedert

Revolving Centers, Sprung

Bestell-Nr. order-no.	d	L
V172.419	3/4"	46
V172.420	20	46
V172.422	22	46
V172.425	25	46
V172.426	1"	46
V172.430	30	46
V172.431	1 1/4"	46
V172.432	32	46
V172.400 MK2	MK2	69
V172.400 MK3	MK3	85



C = 3 mm = Andruckweg / Kompensation
Compensation

Lieferung mit Spitze V172.401
Provided with insert V172.401

Einsätze für mitlaufende Spitzen für V172.4..

Interchangeable Centers for V172.4..

Bestell-Nr. order-no.	Bild	E	S	G	Spitze center
V172.401	1	18	21	--	60°
V172.401 090	1	18	28	--	90°
V172.402	2	18	27	7	60°
V172.402B	2	18	38	9	60°
V172.403	3	30	21	14	60°
V172.404	4	26	20	20	-

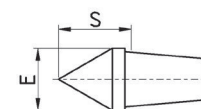


Bild 1

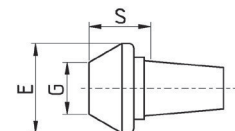


Bild 3

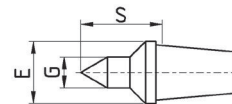


Bild 2

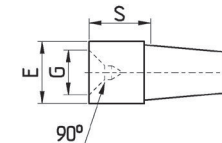


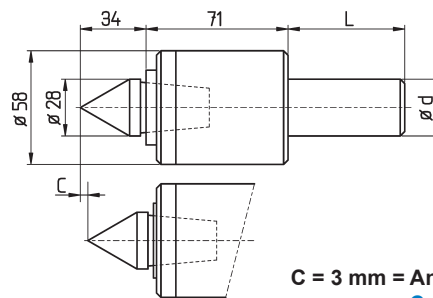
Bild 4

V172.411 Schlüssel - spanner

Mitlaufende Spitzen, gefedert

Revolving Centers, Sprung

Bestell-Nr. order-no.	d	L
V172.625	25	50
V172.626	1"	50
V172.632	32	70
V172.640	40	85
V172.600 MK3	MK2	85
V172.600 MK4	MK3	109

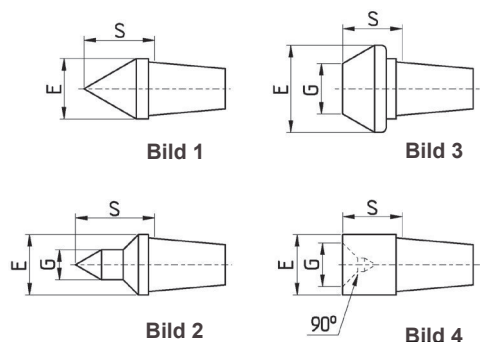


C = 3 mm = Andruckweg /
Compensation

Einsätze für mitlaufende Spitzen für V172.6..

Interchangeable Centers for V172.6..

Bestell-Nr. order-no.	Bild	E	S	G	Spitze center
V172.601	1	28	34	-	60°
V172.602	2	28	40	7	60°
V172.602B	2	28	40	12	60°
V172.603	3	58	36	25	60°
V172.604	4	28	32	24	-

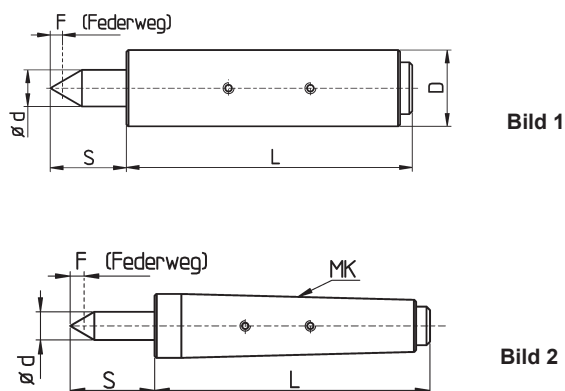


V172.411 **Schlüssel - spanner**

**Mitlaufende Spitzen, gefedert, besonders
schlanke Bauform, auswechselbare Spitzen**

**Revolving Centers, Sprung, Extra
Slim Version, Interchangeable Centers**

Bestell-Nr. order-no.	MK	D	d	F	L	S
V172.519	-	3/4"	8	2,5	79	25
V172.520	-	20	8	2,5	79	25
V172.522	-	22	8	2,5	79	25
V172.525	-	25	12	4	94	25
V172.526	-	1"	12	4	94	25
V172.528	-	28	12	4	94	25
V172.531	-	1 1/4"	18	4,7	116	35
V172.532	-	32	18	4,7	116	35
V172.502	MK2	-	8	2,5	79	25
V172.503	MK3	-	12	4	94	25
V172.504	MK4	-	18	4,7	116	35



Typ V172.5xx Rundlauf 0,003
Lieferbar in 3 verschiedenen Härten der Andruckfedern:
standard ca. 150 N, weich ca. 50 N, extra weich ca. 10 N
(je schwächer die Feder, desto schlechter der Rundlauf)
Kleinste Baumaße
Sondereinsätze auf Wunsch!

Concentric runout 0,003
Available in 3 different spring-grades:
standard ca. 150 N, soft ca. 50 N, extra soft ca. 10 N
(the weaker the spring, the worse the runout)
Smallest dimensions
Special inserts on demand

Stellschrauben f. Werkzeughalter

Adjusting Screws for Toolholders

Bestell-Nr. order-no.	d	L	D	Bild
V705.407	M4x0,7	7	9	1
V705.508	M5x0,8	8	10,5	2
V705.514	M5x0,8	14	10,5	2
V705.525	M5x0,8	25	10	1
V705.525B	M5x0,8	25	12	1
V705.625	M6x1	25	12	1
V705.626	M6x1	26	12	3
V705.630	M6x1	30	13	1
V705.630B	M6x1	30	14	1
V705.630C	M6x1	30	15	1

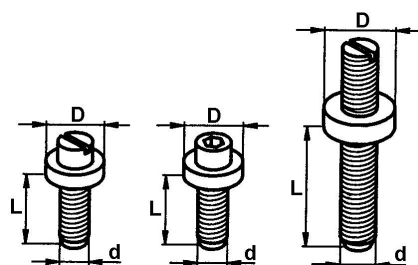


Bild 1

Bild 2

Bild 3

Klemmschrauben mit Vierkantkopf

Clamping Screws with Square Head

Bestell-Nr. order-no.	d	L	D	S	Bild
V708.515	M5	15	5	1	
V708.617	M6	17	6	1	
V708.620	M6	20	6	1	
V708.626	M6	26	6	1	
V708.636	M6	36	6	1	
V708.642	M6	42	6	1	
V708.650	M6	50	6	1	
V708.717	M7	17	6	1	
V708.721	M7	21	6	1	
V708.726	M7	26	6	1	
V708.732	M7	32	6	1	
V708.740	M7	40	6	1	
V708.750	M7	50	6	1	
V708.756	M7	56	6	1	
V708.776	M7	76	6	1	
V708.824	M8	24	6	1	
V708.830	M8	30	6	1	
V708.840	M8	40	6	1	
V708.850	M8	50	6	1	
V708.860	M8	60	6	1	
V708.880	M8	80	6	1	
V708.028	M10	28	6	1	

Bestell-Nr. order-no.	d	L	D	S	Bild
V708.038	M10	38	6	1	
V708.048	M10	48	6	1	
V708.058	M10	58	6	1	
V709.820	M8X1	20	6	1	
V709.825	M8X1	25	6	1	
V709.830	M8X1	30	6	1	
V709.835	M8X1	35	6	1	
V710.618	M6	18	10	9	2
V710.630	M6	30	10	9	2
V710.640	M6	40	10	9	2
V710.730	M7	30	10	9	2
V710.740	M7	40	10	9	2
V710.750	M7	50	10	9	2
V712.740	M7	40	12	9	2
V712.750	M7	50	12	9	2
V712.828	M8	28	12	10	2
V712.850	M8	50	12	10	2
V712.815	M8	15	14	6	2
V713.820	M8	20	14	6	2
V713.850	M8	50	14	10	2

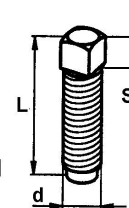


Bild 1

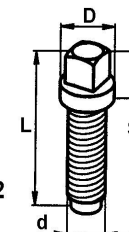
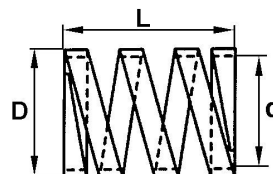


Bild 2

Druckfedern für Spannzangen
FlachdrahtSprings for Collets
Flat Wire

Bestell-Nr. order-no.	D	L _{ca}	d
DF07F 4.3-52	7	52	4,3
DF14F 11-26	14	26	11
DF15F 11.5-22	15	22	11,5
DF15F 11.5-28	15	28	11,5
DF15F 11.5-33	15	33	11,5
DF16F 13.5-32	16	32	13,5
DF16F 12.5-34	16	34	12,5
DF18F 15.5-21	18	21	15,5
DF18F 15-30	18	30	15
DF18F 16-30	18	30	16
DF20F 16-15	20	15	16
DF20F 17-25	20	25	17
DF20F 16.5-30	20	30	16,5
DF20F 15.5-35	20	35	15,5
DF20F 16.5-37	20	37	16,5
DF20F 18-45	20	45	18
DF21F 17-32	21	32	17
DF22F 18.5-22	22	22	18,5
DF22F 18.5-32	22	32	18,5
DF22F 18.5-38	22	38	18,5
DF24F 20.5-21	24	21	20,5
DF24F 20-32	24	32	20
DF25F 22-21	25	21	22
DF25F 21.5-25	25	25	21,5
DF25F 22-25	25	25	22
DF25F 22-33	25	33	22
DF25F 22-35	25	35	22
DF25F 21-40	25	40	21
DF25F 22-44	25	44	22
DF25F 22-48	25	48	22
DF25F 20.5-50	25	50	20,5
DF27F 23-25	27	25	23
DF27F 23-28	27	28	23
DF27F 23-31	27	31	23
DF27F 23-35	27	35	23
DF27F 23-40	27	40	23
DF27F 23-45	27	45	23
DF27F 24-50	27	50	24
DF28F 23-22	28	22	23
DF28F 22.5-27	28	27	22,5
DF28F 26-40	28	40	26
DF29F 25-35	29	35	25
DF30F 25-36	30	36	25
DF30F 26.5-42	30	42	26,5
DF32F 26-15	32	15	26
DF32F 26.5-21	32	21	26,5
DF32F 26-32	32	32	26
DF32F 26.5-38	32	38	26,5



D = Nennmaß, reales Maß kleiner
nominal size, real size less

d, L = ungefähre Angaben, ohne Gewähr
approximately, no guarantee

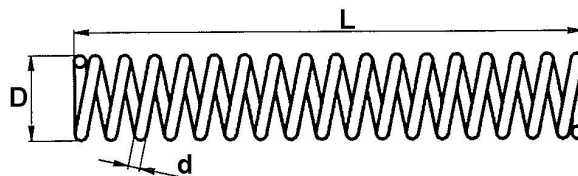
Bestell-Nr. order-no.	D	L _{ca}	d
DF34F 30-36	34	36	30
DF34F 30-42	34	42	30
DF34F 30-50	34	50	30
DF35F 30-31	35	31	30
DF35F 30-36	35	36	30
DF37F 32.5-40	37	40	32,5
DF37F 32-42	37	42	32
DF37F 34-44	37	44	34
DF37F 32-73	37	73	32
DF37F 33.5-73	37	73	33,5
DF38F 33-19	38	19	33
DF38F 33-24	38	24	33
DF38F 32-32	38	32	32
DF38F 33-52	38	52	33
DF38F 33-72	38	72	33
DF40F 36-40	40	40	36
DF40F 37.5-48	40	48	37,5
DF40F 36-50	40	50	36
DF40F 36-55	40	55	36
DF40F 36-60	40	60	36
DF40F 36.5-71	40	71	36,5
DF41F 37-60	41	60	37
DF42F 36.5-46	42	46	36,5
DF46F 42-42	46	42	42
DF47F 41.5-43	47	43	41,5
DF48F 42-32	48	32	42
DF48F 43-38	48	38	43
DF48F 44-42	48	42	44
DF48F 43-73	48	73	43
DF65F 60-88	65	88	60
DF66F 58-60	66	60	58

Tw. nur noch Restbestände, bitte anfragen

Partially remainders only, please request

Druckfedern
Runddraht

Pressure Springs
Round Wire



Bestell-Nr. order-no.	D	L	d	Für Artikel for article	Funktion function	Maschine machine
V718.017	3	14	0,4	V190.2A-192.2A -210.2A		
V718.009	4	12	0,2	V190.1-192.7-210.1	Kugelandruck - <i>pressure ball</i>	
V718.016	4	16	0,8	V190.3A-190.5A V192.3A- 92.5A- V210.3A	Doppelausgleich - <i>double adjustment</i>	
V718.019	5,5	16	0,8	V157.0/1/2/3/7	Kugelandruck - <i>pressure ball</i>	
V718.014	6	16	0,4			
V718.015	6	30	0,8	V618.101		TRAUB A15-20-25
V718.XX3	6,5	52	1,1	TRAUB Nr. 300.003 f.	Schneckenwelle - <i>worm spindle</i>	TRAUB A 15-20-25
DF07R 5.5-24	7	24	5,5			
V718.140	7	50	1	V678.100	Kupplungscheibe - <i>clutch disk</i>	TRAUB A 15-20-25
V718.790	7	100	0,8		Senkrechtschlitten - <i>vertical slide</i>	TORNOS M4 - T4
V718.007	7,4	13	0,4	V190.2- 192.2-210.2	Kugelandruck - <i>pressure ball</i>	
V718.020	7,5	27	0,5	V195.7-V195.0-V196.0		
V718.008	7,5	30	0,6	V190.1-192.7-210.1	Auszug - <i>pull out</i>	
V718.231	7,6	93	0,7			CASER 26-30
V718.012	8,5	19	0,4	V190.3-190.5-192.3 V192.5-210.3	Kugelandruck - <i>pressure ball</i>	
V718.004	8,5	60	0,7	V191.2-211.2	Auszug - <i>pull out</i>	
V718.301	9	125	1,2			STROHM 75-105-125
V718.019B	9,5	10	1	V155.0/1/2		
V718.792	9,5	110	1,1		Senkrechtschlitten - <i>vertical slide</i>	TORNOS M7 - MS7
V718.640	10	60	1,5	V678.100	Kupplungscheibe - <i>clutch disk</i>	TRAUB A 36-42-60
DF10R 7-60	10	60	7			
DF10R 6.5-135	10	135	6,5			
V718.120	10	176	1,5		Gewindeschneideinrichtung <i>tapping equipment</i>	
V718.002	10,5	48	1,6	V142.2	Rückzug - <i>retracting movement</i>	
V718.901	11,5	100	2			CASER TA26-30
V718.112	11,5	155	1,6		Waagerechtschlitten - <i>horizontal slide</i>	TRAUB TD 16-26-36
V718.006	12	36	1			
V718.005	12	52	0,8	V190.2-192.2-210.2 V180.2-80.3-200.2- V20.3	Auszug - <i>pull out</i>	
V718.003	12	60	1,8	V142.3	Rückzug - <i>retracting movement</i>	
V718.206	12,5	19	3	V512.206		SAIC B26-30
V718.210	12,5	100	1,8			GIORGI 20-25-30-32
V718.111	13	85	2	V630.101-630.201	Waagerechtschlitten - <i>horizontal slide</i>	300.005 TRAUB A15-20-25
V718.XX5	13	85	2		Traub Nr. 300.005	TRAUB A 15-20-25

Tw. nur noch Restbestände, bitte anfragen

Partially remainders only, please request

13.5 - 4

Schrauben, Federn Screws, Springs

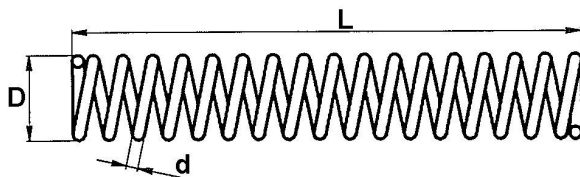
13

Allgemeines Zubehör für CNC- und
kurvengesteuerte Drehautomaten
General Specific Parts for CNC- and
Cam-Controlled Lathes

BRITSCH
Spannzeuge GmbH

**Druckfedern
Runddraht**

**Pressure Springs
Round Wire**



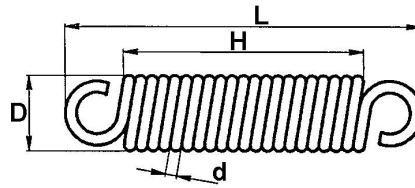
Bestell-Nr. order-no.	D	L	d	Für Artikel for article	Funktion function	Maschine machine
V718.110	13	100	2	V600.110-600.210	Senkrechtschlitten <i>vertical slide</i> 300.080	Traub A15-20-25
V718.650	13	155	2	V600.610	Senkrechtschlitten - <i>vertical slide</i>	Traub A 36-42-60
DF14R 11-26	14	26	11			
DF14R 9-86	14	86	9			
DF14R 9-101	14	101	9			
V718.610	14	120	2,2	V630.601-630.611	Waagerechtschlitten - <i>horizontal slide</i>	Traub A 36-42-60
V718.150	14	121	1,5			Traub A15.20-25
V718.709	14	227	2			
V718.711	14	327	2		Langdrehschlitten - <i>slide for lathe</i>	Traub TB 30-42-60
V718.902	14,5	100	2,5			
V718.010	15	80	1	V190.3-190.5-192.3 V192.5-V210.3	Auszug - <i>pull out</i>	
DF15R 8.5-110	15	110	8,5			
DF15R 9.5-200	15	200	9,5			
V718.710	15	215	2	V600.010	Senkrechtschlitten - <i>vertical slide</i>	Traub TD 16-26-36
V718.710	15	215	2	V600.710	Senkrecht- Waagerechtschlitten <i>vertical-horizontal slide</i>	Traub TB 30-42-60
V718.903	15,6	138	3			CASER TA45-50
DF16R 9-110	16	110	9			
DF16R 11-250	16	250	11			
V718.130	17	35	1	V674.100/200 -676.100/200		Traub A15-20-25
DF17R 11-44	17	44	11			
V718.201	17	86	2	V660.200		SAIC B26-30
V718.021	23	14	1,5	V172.2		
V718.701	36	130	2,5	V660.700	Stoppanschlag - <i>bar stop</i>	Traub TB 30-42-60

Tw. nur noch Restbestände, bitte anfragen

Partially remainders only, please request

Zugfedern

Pulling Springs



Bestell-Nr. order-no.	D	H	L	d	Für Artikel for article	Funktion function	Maschine machine
V719.101	13	32	58	1,5	V660.100 - V660.110	Stoppanschlag - <i>bar stop</i>	TRAUB A 15-20-25
V719.102	15	34	58	2	V624.100	Langdreheinrichtung - <i>slide for lathe</i>	TRAUB A 15-20-25
V719.103	10	53	73	1,5		Gewindedreheinrichtung <i>tapping equipment</i>	TRAUB A 15-20-25
V719.601	15	45	71	2	V660.600		TRAUB A 36-42-60
V719.602	16	97	129	2,2	V624.600		TRAUB A 36-42-60
V719.701	20	89	129	3	V660.700		TRAUB TB 30-42-60

Sonderfedern + Sicherungsringe

Special Springs and Rings

Bestell-Nr. order-no.	D	d	Bild	Für Artikel for article
V720.002	22	0,8	2	180.200/300 - 200.200/300
V720.101			1	V728.101
V720.110	18	1,5	2	V734.110 V734.120
V720.210	15	1,5	2	V734.210
V720.610	21	1,5	2	V734.610 V734..620
V720.710	25,5	1,5	2	V660.700



Bild 1

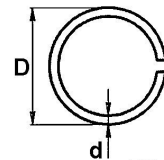


Bild 2

Kantentaster

Edge Finders

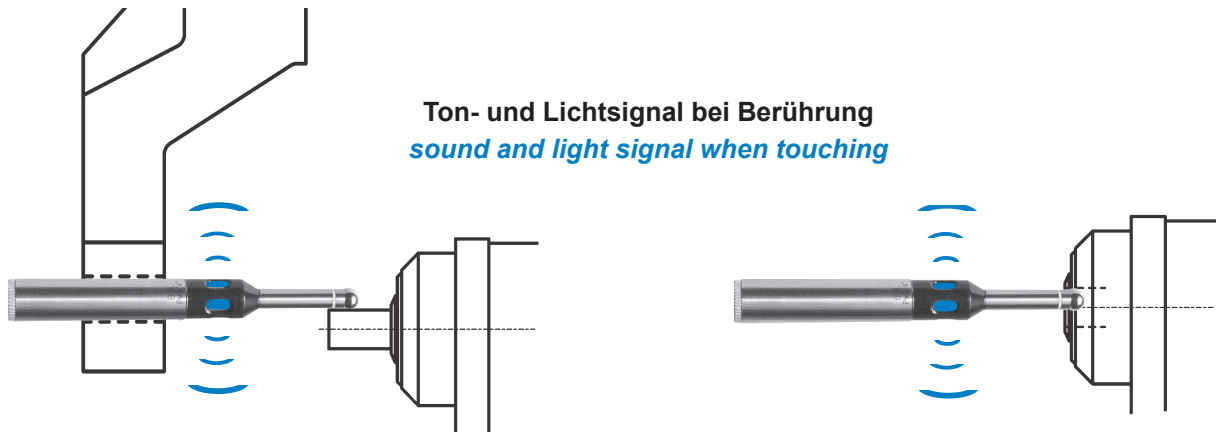
Nicht nur für Fräsmaschinen -

Not only for milling machines

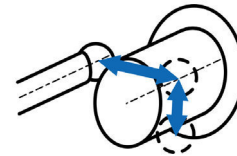
Schnell und präzise einsetzbar bei allen 3-Achsen-
Drehmaschinen

(CNC-Langdreher z.B. STAR, CITIZEN)

zum Bestimmen der Werkzeug- / Materialachsen



Bestell-Nr. order-no.	D	L	L ₁
KTE16	16	100	28
KTE19	3/4"	158	46
KTE20	20	158	46
KTE22	22	158	46
KTE25	25	158	46
KTE26	1"	158	46

Prinzip:
principle:3 Punkte an der Welle oder Bohrung antasten
⇒ exakte Lage der AchsenTouching 3 points on the spindle ore bore
⇒ exactly positions of the center lines

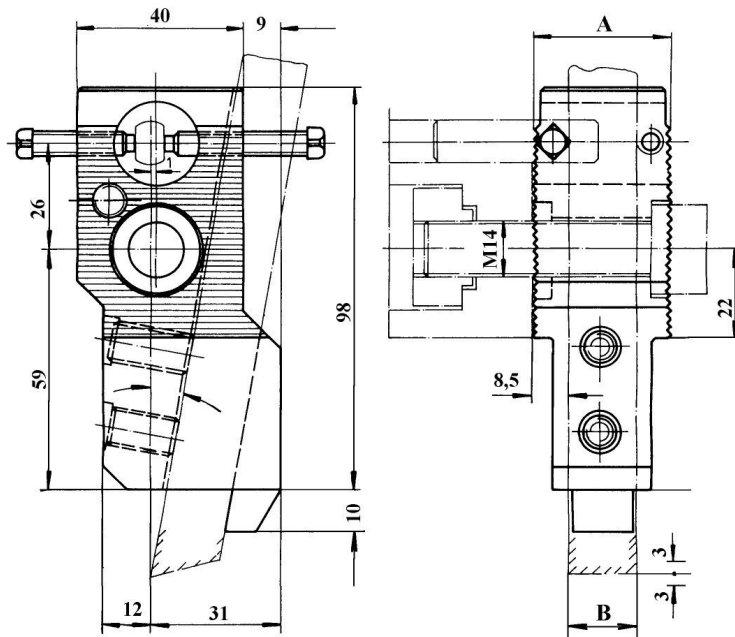


INDEX	14.1
TRAUB	14.2
STAR	14.3
SPINNER	14.4
TORNOS	14.5
STROHM	14.6
HAAS	14.7
MORI SEIKI	14.8
PITTLER / DREHMA	14.9

Seite Page	
1 - 7	Stechhalter + Zubehör <i>Infeed Tool Holders and Component Parts</i>
8	Werkzeughalter für E-ER 42-60 <i>Tool Holders for E-ER 42-60</i>
9 - 13	Bohr- u. Drehhalter <i>Drill- and Turn Holders</i>
14 - 16	Drehhalter + Dreheinsätze <i>Turn Holders + Inserts</i>
16 - 18	Drehhalter mit Feineinstellung <i>Turn Holders with Fine Adjustment</i>
18, 19	Einstellbare Ausdrehhalter <i>Adjustable Recessing Tool Holders</i>
20	Verschiebehalter <i>Shift Holders</i>
21	Bohrerhalter <i>Drill Holders</i>
21	Ausgleichshalter-Reduzierung <i>Adjusting Holders-Reduction</i>
22, 23	Kurvengleitstücke + Schrauben <i>Cam Sliding Pieces + Screws</i>
24	Kurvenmitnehmer <i>Cam Disk Holders</i>
24	Kurvenwelle + Einzelteile <i>Cam Disk Shafts, complete</i>
25, 26	Exzenterbolzen, Klinkbolzen, Zapfenschrauben <i>Eccentric Bolts, Pawl Bolts, Pin Screws</i>
27	Bronzebüchsen <i>Bronze Sleeves</i>
27	Auslösebolzen <i>Cleaning Bolts</i>
28	Ersatzteile für M25 <i>Spare Parts for MS 25</i>

Stechhalter
für Links- und Rechtslauf, QIII und QIV

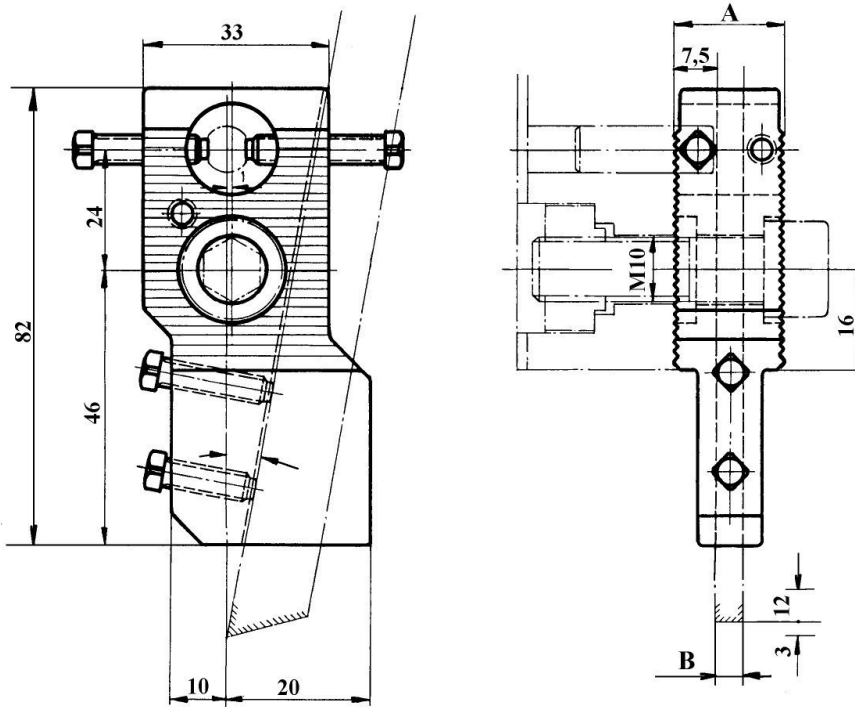
Infeed Tool Holders
Left and Right Hand Rotation, QIII and QIV



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	Für Schaftquerschnitt for shank
U200.60.60	INDEX B30 - 42 - 60 INDEX C19 - 29	WCO 603.00 WCO 601.00	23	6	16 x 6
U200.60.65	INDEX B30 - 42 - 60 INDEX C19 - 29		23	6	18 x 6
U200.60.70	INDEX B30 - 42 - 60	WCO 401	31	14	14 x 14
U200.60.72	INDEX B30 - 42 - 62	WCO 401	30	12	12 x 12
U200.60.77	INDEX B30 - 42 - 61	WCO 402	37	20	20 x 14
U200.60.80	INDEX B30 - 42 - 60 INDEX C19 - 29	WCO 403.00	42	25	25 x 14
U200.60.75	INDEX B30 - 42 - 60 INDEX C19 - 29	WCO 405.00	33	16	16 x 16
U200.60.26	INDEX B30 - 42 - 60 INDEX C19 - 29 für Abstechhalter Typ ISCAR-Tizit-Arno Griplock, Sumitomo etc.	WCO 670.00	33	1,6 bis 4,0	SGIH 26-... SGFH26-...
U200.50.26	dto für INDEX ER25	W1O 670.00	21		

Stechhalter
 für Links- und Rechtslauf, QIII und QIV

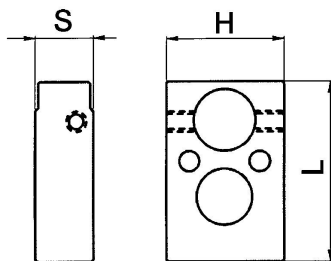
Infeed Tool Holders
 Left and Right Hand Rotation, QIII and QIV



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	Für Schaftquerschnitt for shank
U201.50.50	INDEX 12 - 18 - 25 INDEX DG12 DO12	WD0 402.00 WD0 401.00	23	10	10 x 10
U201.50.60	INDEX 12 - 18 - 25 INDEX DG12 DO12	WD0 601.00	19	4	10 x 4

Distanzstücke

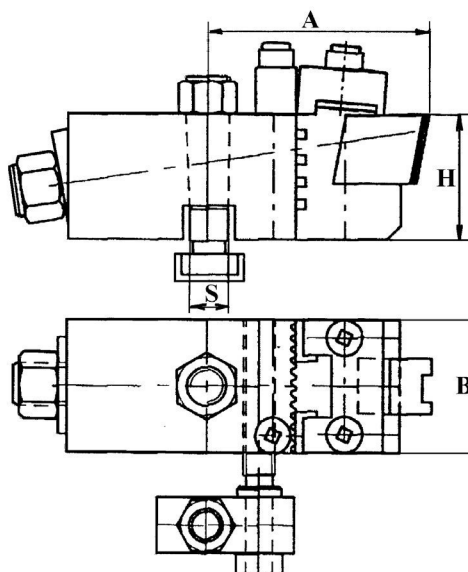
Spacer Blocks



Bestell-Nr. order-no.	S	H	L	Maschine machine
V291.205	5	30	52	INDEX 12-18-25
V291.210	10	30	52	INDEX 12-18-25
V291.215	15	30	52	INDEX 12-18-25
V291.220	20	30	52	INDEX 12-18-25
V291.405	5	40	61	INDEX C19-29 B42-60
V291.410	10	40	61	INDEX C19-29 B42-60
V291.415	15	40	61	INDEX C19-29 B42-60
V291.420	20	40	61	INDEX C19-29 B42-60

Formstechhalter, flach
 für Links- und Rechtslauf, QI und QII

Form Infeed Tool Holders, Flat Version
 Left and Right Hand Rotation, QI and QII



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	H	B	S
U204.50.10	INDEX 12 - 18 - 25	W11 401.00	75	30	38	10
U204.60.10	INDEX 36 - 42 - 52 - 60	W31 402.00	85	36	48	14
U204.65.10	INDEX C19 - 29	WC1 402.00	71	36	48	12
U204.55.10	INDEX DG12/ON/OR		55	30	30	10

Incl. Stechhaltestück

Supplied with infeed tool block

Stechhaltestücke

Infeed Tool Blocks

Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	H	B
U204.50.11	INDEX 12 - 18 - 25	W11 401.10	75	30	38
U204.60.11	INDEX 36 - 42 - 52 - 60	W31 402.10	81	36	48
U204.60.20	INDEX C19 - 29	W31 402.30	89	36	48

Anzugsschrauben für Stechhaltestücke komplett

Screws for Infeed Tool Blocks complete

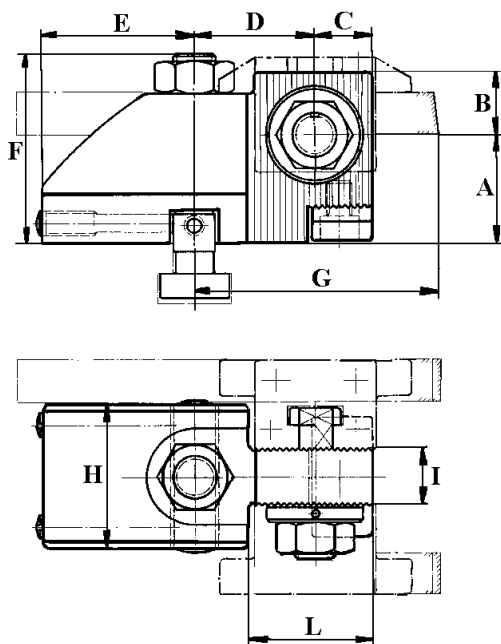
Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	
U204.50.S	INDEX 12 - 18 - 25	W11 400.08	für Werkzeughalter <i>for tool holder</i> U204.50.10
U204.60.S	INDEX 42-60 C19-29	W31 400.08	für Werkzeughalter - <i>for tool holders</i> U204.60.10 U204.60.10

Stechhalter

für Links- und Rechtslauf, QI und QII

Infeed Tool Holders

Left and Right Hand Rotation, QI and QII



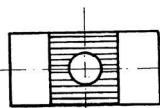
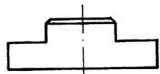
Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G	H	I	L
U210.55.10	INDEX DG12	WD 1111.00	30	15	12,7	29	36	32	56	30	12	29
U210.50.10	INDEX 12 - 18 - 25	W11 110.00	30	15	13	33	36	36	65	30	14	31
U210.60.10	INDEX B 30 - 42 - 60	W51 110.00	36	21	19	40	50	50	81	48	20	41
U210.65.10	INDEX C 19 - 29	WC1 111.00	36	21	19	34	50	45	71	48	20	41

Halteplatten

für Stechhalter Art. U210

Fixing Plate

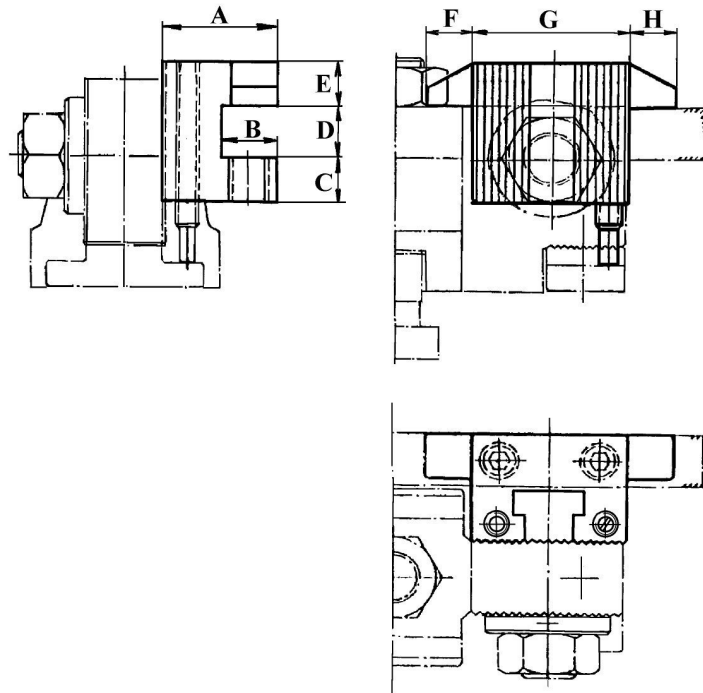
for Infeed Tool Holders Ord.-No. U210



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
U216.50.10	INDEX 12 - 18 - 25	
U216.60.10	INDEX B 30 - 42 - 60 INDEX C 19 - 29	W51 100.08

Stechhaltestücke
 für Links- und Rechtslauf, QI und QII

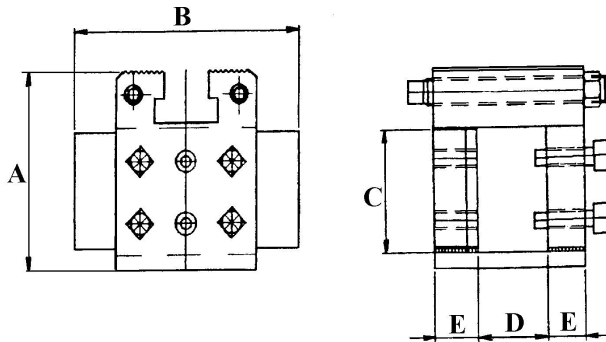
Infeed Tool Blocks
 Left and Right Hand Rotation, QI and QII



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G	H	Für Schaftquerschnitt for shank
U211.50.10	INDEX 12 - 18 - 25	W11 110.10	19	9	10	10	9	7	34	7	10 x 10
U211.55.10	INDEX DG 12	WD 1111.20	17	8	9	10	7	7	30	7	10 x 8
U211.60.08	INDEX B 30 - 42 - 60 C 19 - 29	W51 110.10	24	7,5	12	19	12	6,5	40	6,5	16 x 6 / 8
U211.60.10	INDEX B 30 - 42 - 60 C 19 - 29	W51 100.10	29	14	12	14	12	12	40	12	14 x 14
U211.65.10	INDEX B 30 - 42 - 60 C 19 - 29	W51 101.10	31	16	12	16	12	12	40	12	16 x 16
U211.65.20	INDEX B 30 - 42 - 60 C 19 - 29		31	16	12	20	12	12	40	12	20 x 16
U211.61.10	INDEX ABC	WE1661.10	33	16	12	16	18	0	40	0	16 x 16
U211.61.30	INDEX ABC	WE1661.30	19	9	11	16	16	0	40	0	10 x 16
U211.61.40	INDEX ABC	WE1661.40	21	3	8	16	19,5	0	40	0	Trapez 16 x 3
U211.61.70	INDEX ABC	WE1661.70	21	4	8	20	17,5	0	40	0	Trapez 20 x 4

Stechhaltestücke für 2 (3) Stähle
für Links- und Rechtslauf, QI und QII

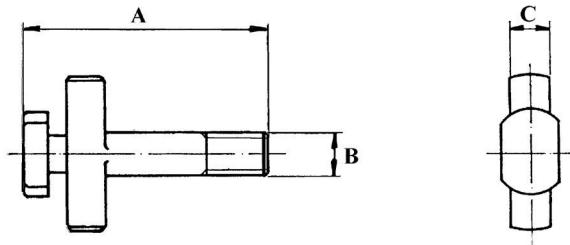
Infeed Tool Blocks for 2 Insert Holders
Left and Right Hand Rotation, QI and QII



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	Für Schaftquerschnitt for shank
U211D.50.10	INDEX 12 - 18 - 25	W11 110.30	37	48	24	10,4	10	10
U211D.60.10	INDEX B 30 - 42 - 60 C19 - 29	W51 101.30	51	64	30	19,5	12	14 16
U211D.60.20	INDEX B 30 - 42 - 60 C19 - 29	W51 101.20	44	64	20	19,5	12	14 16

Anzugschrauben
für Stechhalter Art. U210

Screws
for Infeed Tool Holder Order-No. U211

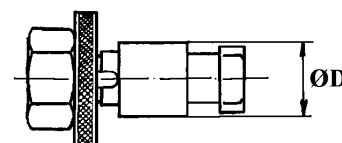


Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C
U214.50.10	INDEX 12 - 18 - 26	W11 110.06	61	M10	10
U214.55.10	INDEX DG 12	WD 100104	52	M10	10
U214.60.10	INDEX B 30 - 42 - 60	W31 400.06	85	M14	14
U214.65.10	INDEX C 19 - 29	WC1 111.00	75	M14	12
U214.50.20	Formstechhalter <i>form infeed tool holder</i>	U204.50.10 W11 400.06	64	M10	10

Anzugschrauben für Stechhaltestück Art. U211

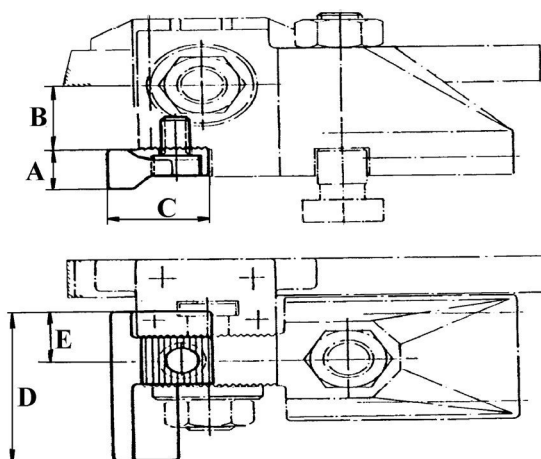
Screws for Infeed Tool Blocks Ord.-No. U211

Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	D
U215.50.10	INDEX 12 - 18 - 25	W11 110.14	14
U215.60.10	INDEX B 30 - 42 - 60	W51 110.04	18
	INDEX C 19 - 29	W51 110.06	
		415 610.14	

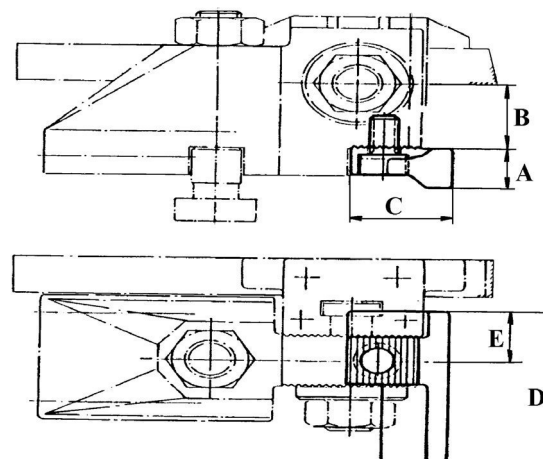


**Andrückwinkel
für Links- und Rechtslauf, QI und QII**

**Pressure Angle
Left and Right Hand Rotation, QI and QII**



Ausführung QI, für Rechtslauf, Artikel 212
Version QI, for clockwise rotation
 Bestell-Nr. - Order-no. 212...10



Ausführung QII, für Linkslauf, Artikel 212.1
Version QII, for anticlockwise rotation
 Bestell-Nr. - Order-no. 212...20

Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E
U212.50.10	INDEX 12 - 18 - 25	W11 650.00	18	18	28	45	14
U212.50.20		W11 150.00	18	18	28	45	14
U212.60.10	INDEX B 30 - 42 - 60	W51 640.00	15	25	28	58	19
U212.60.20	INDEX C 19 - 29	W51 140.00	15	25	28	58	19

Werkzeughalter für INDEX E-ER 42-60

Tool Holders for INDEX E-ER 42-60

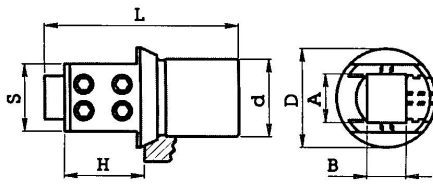


Bild 1

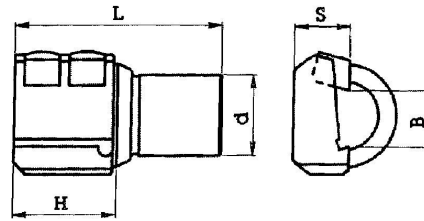


Bild 4

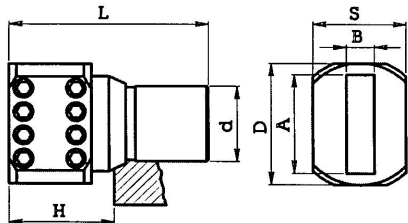


Bild 2

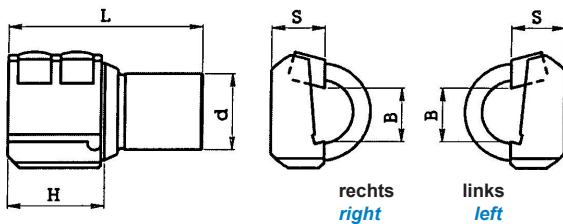


Bild 3

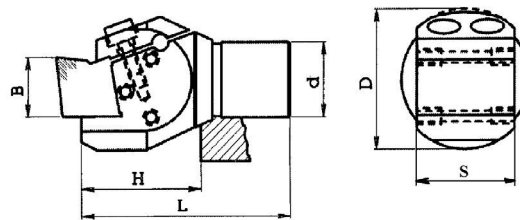
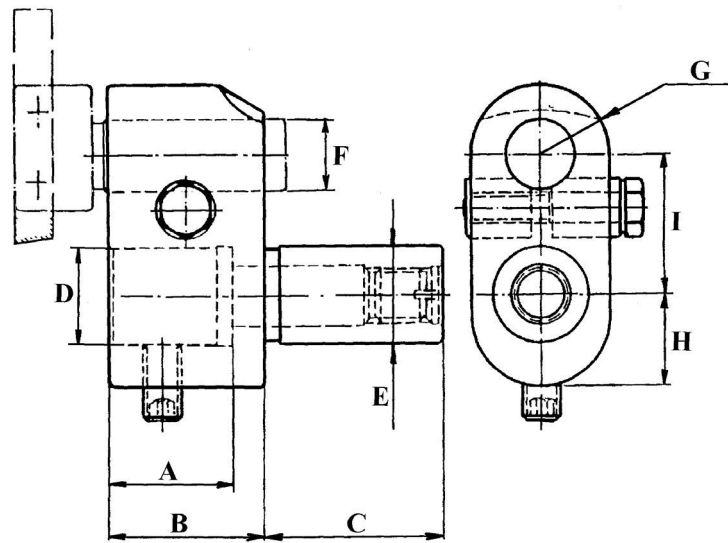


Bild 5

Bestell-Nr. order-no.	A	B	d	D	H	L	S	Bild
V288.110	10	10	32	41	40	80	18	1
V288.114	14	14	32	41	40	80	19	1
V288.116	16	16	32	41	40	80	25	1
V288.120	20	16	32	41	40	80	28	1
V288.140	42	12	32	52	42	82	40	2
V288.317R	17	32		42	82	22	3	rechts
V288.317L	17	32		42	82	22	3	links
V288.325	26	32		42	82	22	4	
V288.400	25	32	60	50	90	42	5	

Bohr- und Drehhalter

Drill and Turn Holders

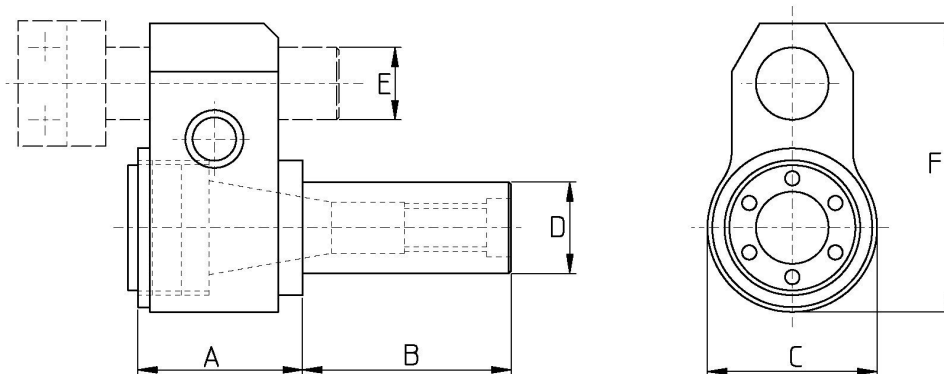


Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G	H	I
U220.50.20	INDEX 12 - 18 - 25 INDEX C19 - 29 INDEX DG12 DO12/6L	W12 300.00	21	26	32	15	3/4"	15	12,5	15,5	29
U220.50.30	INDEX 12 - 18 - 25 INDEX C19 - 29/8L INDEX DG12-DO12/6L	W12 300.0046	21	26	46	15	3/4"	15	12,5	15,5	29
U220.60.30	INDEX B30-42-60-60F/8L INDEX C19 - 29/6L INDEX ER30-42-60-100 INDEX ER30-42-60/8L	W32 300.00	32	40	46	25	1"	18	18	24	36

Weitere Schaft-Ø lieferbar: 5/8" 16,0 20,0 22,0 25,0 30,0 1 1/4" 32,0
Other shank-Ø available:

Bohr- und Drehhalter mit Zange ER

Drill and Turn Holders with ER Collet

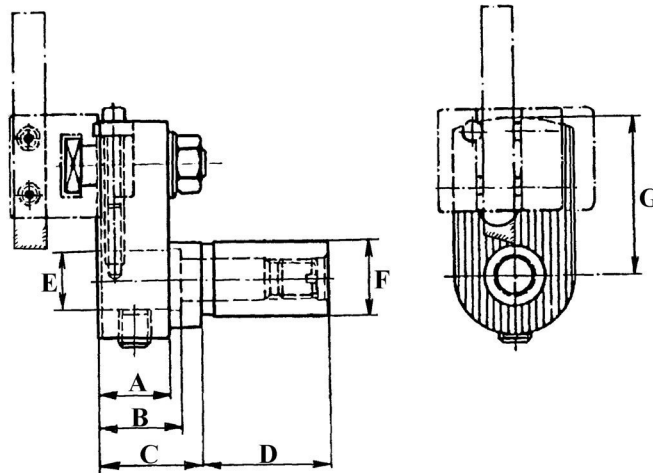


Bestell-Nr. order-no.	Maschine machine	Mutter / Schlüssel nut / spanner	Zange collet	A	B	C	D	E	F
U221.50.16		ER 16 A E 16 A	ER16	26	46	30	3/4"	12	62
U221.50.20	INDEX 12 - 18 - 25 INDEX C19 - 29/8L INDEX DG12 DO12/6L	ER 20 A E 20 A	ER 20	39	36	40	3/4"	15	72
U221.60.25	INDEX B30-42-60/8L INDEX C19 - 29/6L INDEX E30-42-60-100 INDEX ER30-42-60/8L	ER 25 A E 25 A	ER 25	48	46	48	1"	18	83
U221.60.32	INDEX B30-42-60/8L INDEX C19 - 29/6L INDEX E30-42-60-100 INDEX ER30-42-60/8L	ER 32 A E 32 A	ER 32	48	46	48	35,4	18	83

Weitere Schaft-Ø lieferbar: 5/8" 16,0 20,0 22,0 25,0 30,0 1 1/4" 32,0
Other shank-Ø available:

Bohr- und Drehhalter, einstellbar

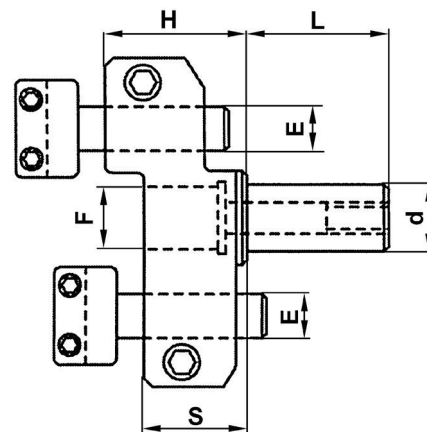
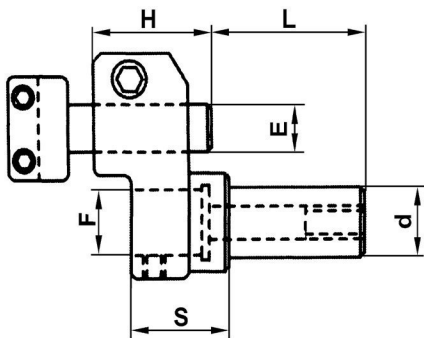
Drill and Turn Holders, Adjustable



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G
U222.50.20	INDEX 12 - 18 - 25 INDEX C19 - 29/8L INDEX DG12 DO12/6L	W12 351.00 (46)	18	21	26	46	15	3/4"	40
U222.60.30	INDEX B30-42-60-60F/8L INDEX C19 - 29/6L INDEX E30-42-60-100 INDEX ER30-42-60/8L	W32 351.00	30	32	40	50	25	1"	62

Bohrdrehhalter (abgesetzt)
Drill and Turn Holders

Doppelter Bohrdrehhalter
Double Drill and Turn Holders

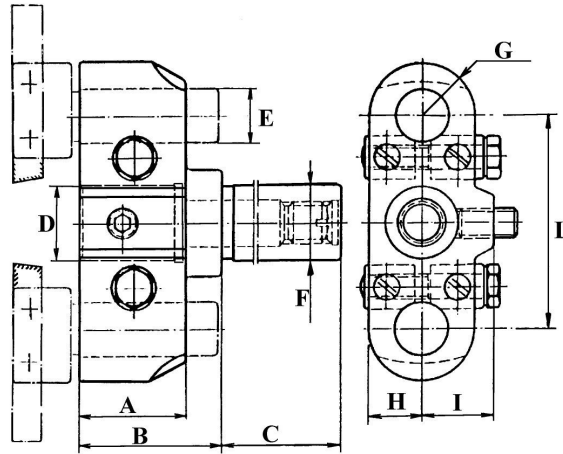


Bestell-Nr. order-no.	d	F	H	S	L	E
V108.115	5/8"	12	32	24	32	12
V108.116	16	12	32	24	32	12
V108.119	3/4"	12	32	24	32	12

Bestell-Nr. order-no.	d	F	H	L	S	E
V109.115	5/8"	12	32	26	32	12
V109.116	16	12	32	26	32	12
V109.119	3/4"	12	32	26	32	12

Bohr- und Drehhalter für 2 Dreheinsätze

Drill and Turn Holders for 2 Inserts

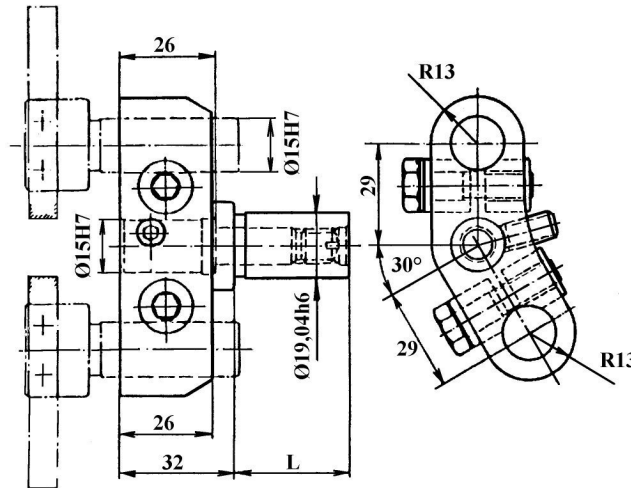


Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G	H	I	L
U230.60.30	INDEX C19 -29/6L INDEX E30-42-60-100 INDEX ER30-42-60/8L	W32 320.00	36	48	46	25	18	1"	18	18	24	72

Weitere Schaft-Ø lieferbar:
 Other shank-Ø available: 5/8" 16,0 20,0 22,0 25,0 30,0 1 1/4" 32,0

Bohr- und Drehhalter für 2 Dreheinsätze

Drill and Turn Holders for 2 Inserts

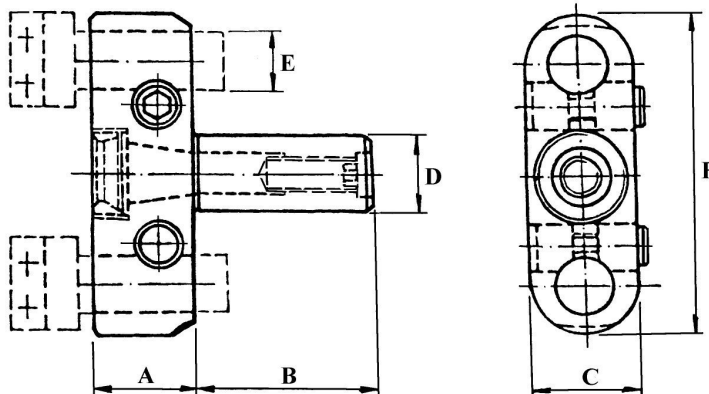


Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	L
U230.50.20	INDEX 12 - 18 - 25 INDEX C19 - 29/8L	W12 320.00	32
U230.50.30	INDEX 12 - 18 - 25 INDEX C19 - 29/8L	W12 320.0046	46

Weitere Schaft-Ø lieferbar:
 Other shank-Ø available: 5/8" 16,0 20,0 22,0 25,0 30,0 1 1/4" 32,0

**Bohr- und Drehhalter
 für 2 Dreheinsätze, mit Zange ER**

**Drill and Turn Holders
 for 2 Inserts, with ER Collet**

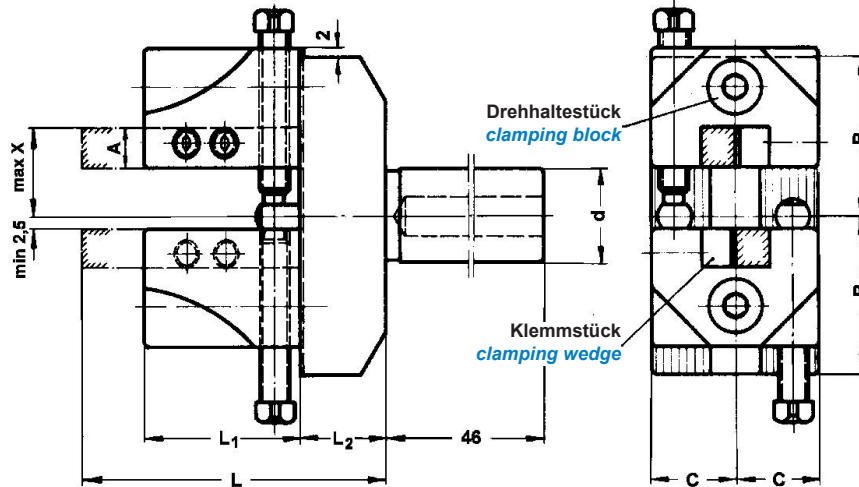


Bestell-Nr. order-no.	Maschine machine	Mutter / Schlüssel nut / spanner	Zange collet	A	B	C	D	E	F
U231.50.16	INDEX 12 - 18 - 25 INDEX C19 - 29/8L INDEX DG12 DO12/6L	ER 16 A E16 A	ER 16	28	32	28	3/4"	12	84
U231.50.20	INDEX 12 - 18 - 25 INDEX C19 - 29/8L INDEX DG12 DO12/6L	ER 20 A E 20 A	ER 20	34	46	33	3/4"	15	88
U231.60.32	INDEX B30-42-60/8L INDEX C19-29/6L INDEX E30-42-60-100 INDEX ER30-42-60/8L	ER 32 A E 32 A	ER 32	47	50	48	1"	18	116

z.T. weitere Schaft-Ø lieferbar:
Partly other shank-Ø available: 5/8" 16,0 20,0 22,0 25,0 30,0 1 1/4" 32,0

Drehhalter, einstellbar
für 2 Dreheinsätze rechts / links

*Turn Holders, Adjustable
for 2 Inserts Right / Left*



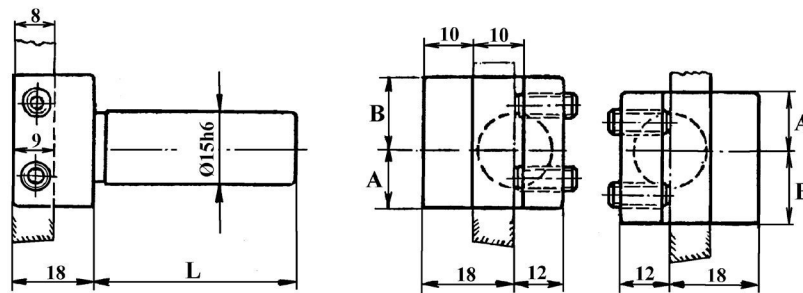
Bestell-Nr. order-no.	d	B	C	L	L ₁	L ₂	A	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
U234.50.20	3/4"	32	17	63	32	17	8	INDEX	W12 6000.0046
U234.60.30	1"	52	21	92	38	36	12	INDEX B42-60	W35 600.00
U234.60.31	1"	52	21	92	38	36	12	INDEX B42-60	W35 610.00

Klemmstück + Drehhaltestücke einzeln lieferbar

Clamping wedges and clamping blocks also available separately

Drehhalter, radial
 Schaftdurchmesser 15 h6 / 18 h6

Turn Holders, radial
 Shank Diameter 15 h6 / 18 h6

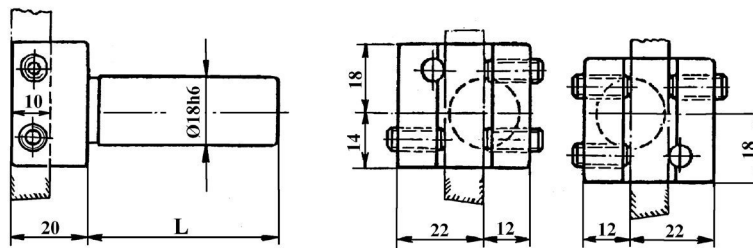


Art. 235

linkslauf
anticlockwise rotation

rechtslauf
clockwise rotation

Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	L	A	B	Dreh - Ø turning - Ø	
						links - left	rechts - right
U235.50.20	INDEX 12 - 18 - 25 INDEX C19-29/8L	W12300.1011	42	13	13	0 - 24	0 - 24
U235.50.21	INDEX DG12-DO12/6L	W12300.1012	60	13	13	0 - 24	0 - 24



Art. 235.1

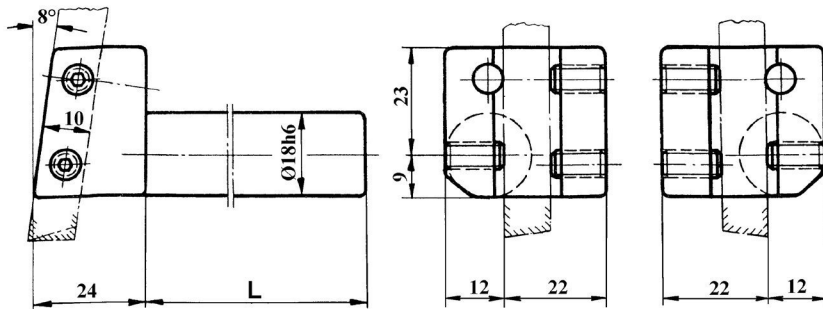
linkslauf
anticlockwise rotation

rechtslauf
clockwise rotation

Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	L	Dreh - Ø turning - Ø	
				links - left	rechts - right
U235.60.30	INDEX B30-42-60/8L INDEX ER30-42-60/8L	W32300.1011	42	0 - 36	0 - 28
U235.60.31	INDEX E30-42-60-100 INDEX C19 - 29/6L	W32300.1012	70	0 - 36	0 - 28

Drehhalter, tangential
 Schaftdurchmesser 15 h6 / 18 h6

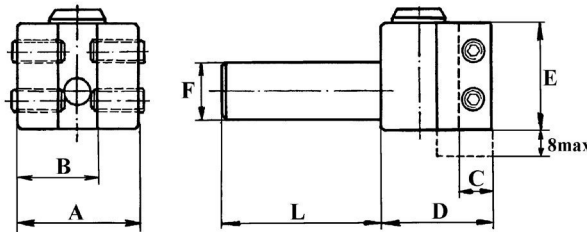
Turning Holders, Tangential
 Shank Diameter 15 h6 / 18 h6



Bestell-Nr. order-no.	Maschine / Schaft machine / shank - Ø	Orig. Ersatzteil-Nr. orig. spare part no.	L	Dreh - Ø turning - Ø	
				links - left	rechts - right
V120.211	INDEX 12- 25	W12 300.1021	42	0 - 24	
V120.711	INDEX C19 29/8L	W12 300.1121	42		0 - 24
V120.212	Schaft ø 15mm	W12 300.1022	60	0 - 24	
V120.712		W12 300.1122	60		0 - 24
V120.311	INDEX B30-42-60	W32 300.1021	50	0 - 36	
V120.811	INDEX C 29/6L	W32 300.1121	50		0 - 36
V120.312	Schaft ø 18mm	W32 300.1022	75	0 - 36	
V120.812		W32 300.1122	75		0 - 36

Drehhalter mit Feineinstellung

Turn Holders with Fine Adjustment



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	L
U236.60.30	INDEX B30-42-60/8L INDEX ER30-42-60/8L	W32.300.5011	36	13	9	40,5	35	18	50

Drehhalter mit Feineinstellung

Turn Holders with Fine Adjustment

Für Vierkantschäfte - for square shanks				Bild 1
Bestell-Nr. order-no.	D	Schaftlänge shank length	Gesamtlänge total length	Drehrichtung hand of rotation
V124.201	15	42	82	rechts - links
V124.202	15	60	100	rechts - links
V124.301	15	50	90	rechts - links
V124.302	18	75	115	rechts - links

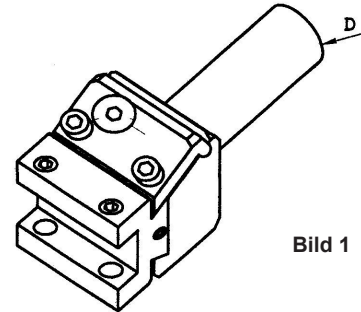


Bild 1

Für Schwalbenschwanzaufnahmen for dove tail inserts				Bild 2
--	--	--	--	--------

Mit 90°-Dreheinsatz - with 90°-turning insert				
Bestell-Nr. order-no.	D	Schaftlänge shank length	Gesamtlänge total length	Drehrichtung hand of rotation
V122.201D	15	42	82	rechts
V122.202D	15	60	100	rechts
V122.301D	18	50	90	rechts
V122.302D	18	75	115	rechts
V122.201S	15	42	82	links
V122.202S	15	60	100	links
V122.301S	18	50	90	links
V122.302S	18	75	115	links

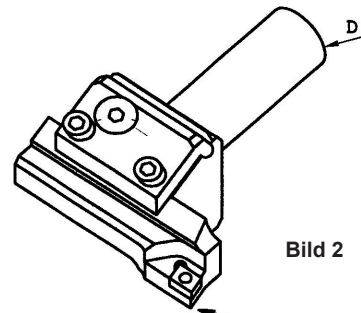


Bild 2

Abbildung Linkslauf
anticlockwise rotation

Mit 45°-Dreheinsatz - with 45°-turning insert				
Bestell-Nr. order-no.	D	Schaftlänge shank length	Gesamtlänge total length	Drehrichtung hand of rotation
V123.201D	15	42	82	rechts
V123.202D	15	60	100	rechts
V123.301D	18	50	90	rechts
V123.302D	18	75	115	rechts
V123.201S	15	42	82	links
V123.202S	15	60	100	links
V123.301S	18	50	90	links
V123.302S	18	75	115	links

Einstellbare Innenausdrehhalter

Adjustable Boring Tool Holder

Bild 3				
Bestell-Nr. order-no.	D	Schaftlänge shank length	Gesamtlänge total length	Bohrung bore
V140.115	5/8"	32	78,5	12
V140.116	16	32	78,5	12
V140.119	3/4"	46	92,5	12
V140.120	20	46	92,5	12

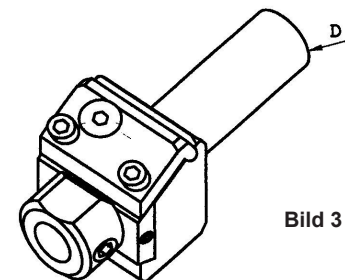


Bild 3

Ersatzteile für Feineinstellbare Drehhalter und Einstellbare Innenausdrehhalter
Spare Parts for Turn Holders with Fine Adjustment and Adjustable Boring

Feineinstellbare Werkzeughalter Typ V122-124 und V140 sind modular aufgebaut und können beliebig ausgetauscht werden
Tool holders with fine adjustment type V122 - 124 and V140 are interchangeable; any shank can be assembled with any tool type

Schaft (Grundkörper) shank (body)		Bild 1
Bestell-Nr. order-no.	D	Schaftlänge shank length
V124.201A	15	42
V124.202A	15	60
V124.301A	18	50
V124.302A	18	75
V140.115A	5/8"	32
V140.116A	16	32
V140.119A	3/4"	46
V140.120A	20	46

Aufnahme mit Bohrung Ø 12 mm tool holder with bore	Bild 2
V140.100B	

Aufnahme f. quadratische Schäfte tool holder for square shanks	Bild 3
V124.201B	

Wendeplattenhalter 90° insert tool holder 90°		Bild 4
Bestell-Nr. order-no.	Drehrichtung hand of rotation	Platte insert
V122.001D	rechts	CCMT
V122.201S	links	CCMT

Wendeplattenhalter 45° insert tool holder 90°		Bild 5
Bestell-Nr. order-no.	Drehrichtung hand of rotation	Platte insert
V123.001D	rechts	CCMT
V123.001S	links	CCMT

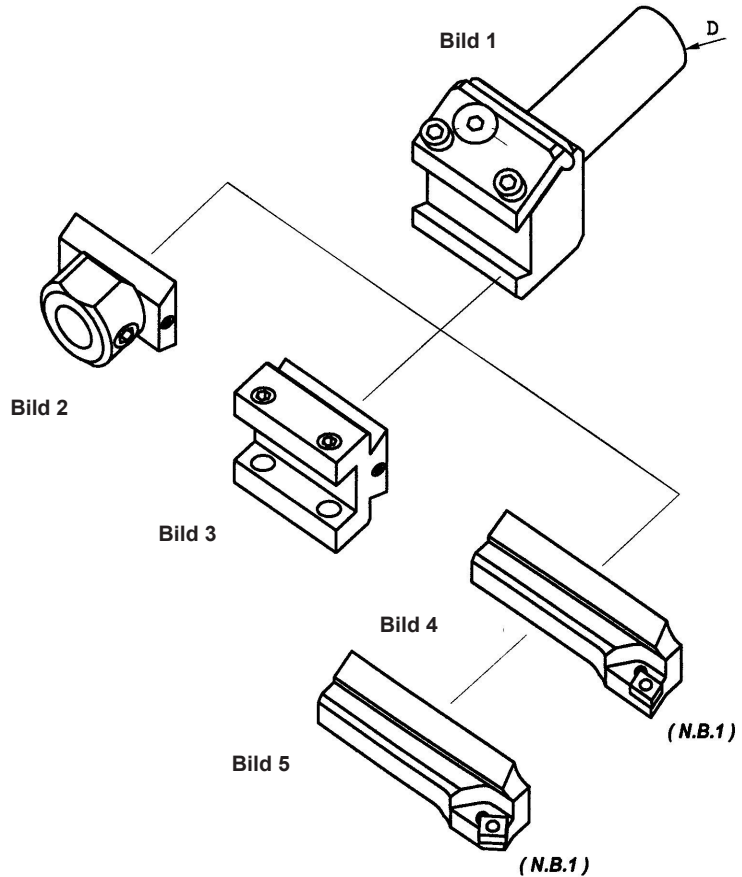
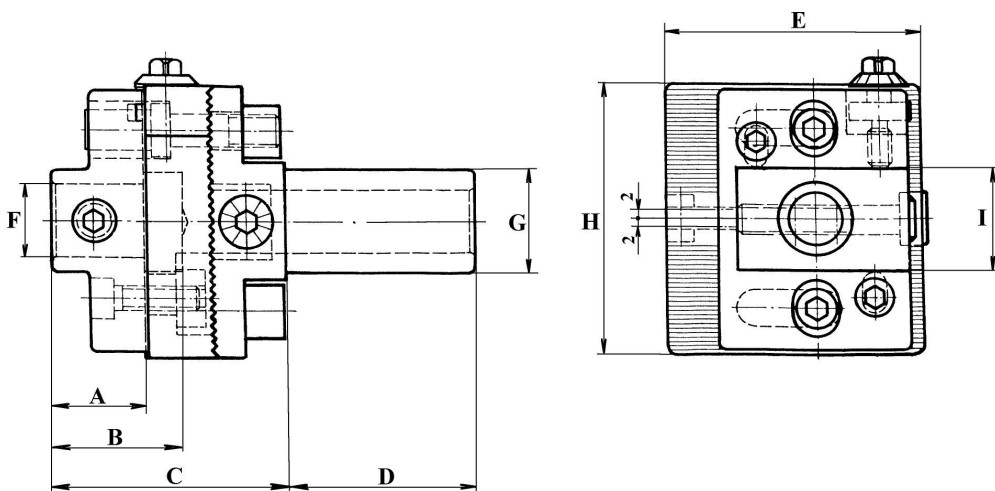


Abbildung der Werkzeuge linksschneidend
Fig. of tools left hand cutting

Ausdrehalter
 mit Seiten und Höhenverstellung

Recessing Tool Holders
 with Lateral and High Adjustment



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G	H	I
U275.50.20	INDEX 12 - 18 - 25 INDEX C19 - 29/8L INDEX DG12 DO12/6L	W12 220.00	20	27	48	46	52	15	3/4"	60	22
U275.60.30	INDEX B30-42-60 INDEX C19 - 29/6L	W32 220.00	23	32	56	46	62	18	1"	66	25
U275.60.25	INDEX B30-42-60 INDEX C19 - 29/6L		33	42	66	46	62	25	1"	66	25

Ausdrehalter
 mit Seiten und Höhenverstellung
 Neu: mit Prismatic-Führung - schnelleres Einstellen

Recessing Tool Holders
 with Lateral and High Adjustment
 New: With Prismatic Guiding - Quicker Setting

Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G	H	I
U276.50.20	INDEX 12 - 18 - 25 INDEX C19 - 29/8L	W12 220.00	20	27	48	46	52	15	3/4"	60	22
U276.60.30	INDEX B30-42-60 INDEX C19 - 29/6L	W32 220	23	32	56	46	62	18	1"	66	25
U276.60.25	INDEX B30-42-60	W32 221	33	42	66	46	62	25	1"	66	25

Weitere Schaft-Ø lieferbar: 20,0 22,0 25,0 30,0 1 1/4" 32,0
 Other shank-Ø available:

Auch mit Zangenaufsatz lieferbar

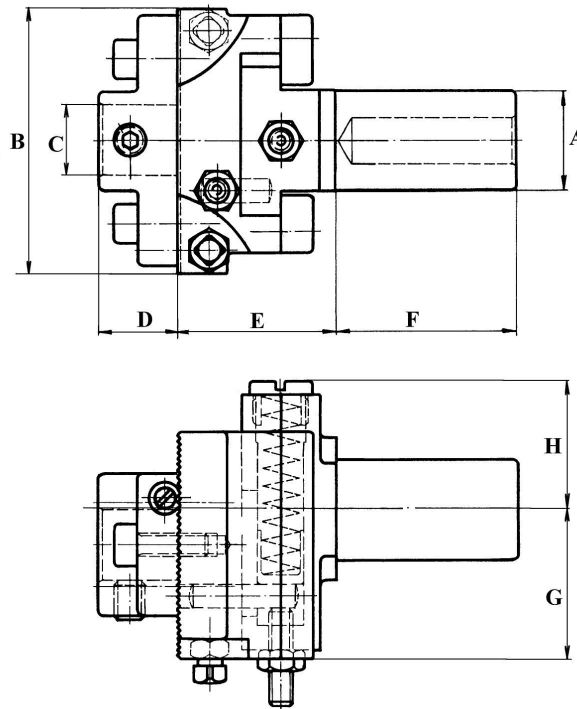
Also available with collet top

Verschiebehalter
für Links- und Rechtslauf, QI und QII

Shift Holders
Left and Right Hand Rotation, QI and QII

Plandrehweg max. 21 mm

Face turning max. 21 mm



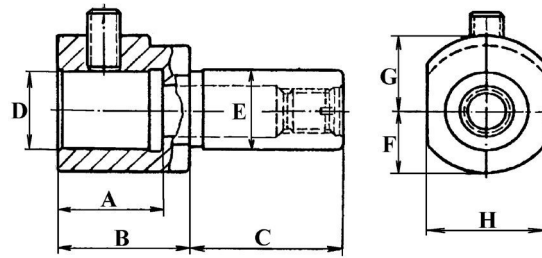
Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G	H
U240.50.20	INDEX 12 - 18 - 25 INDEX C19 - 29/8L	W13701.0046	3/4"	66	15	20	34	46	24	32
U240.60.30	INDEX B30-42-60F/8L INDEX C19 - 29/6L INDEX E30-42-60-100 INDEX ER30-42-60/8L	W33 701.00	1"	68	18	20	40	46	36	32
U240.90.30	INDEX B30-42-60F/6L INDEX 42-60-100 INDEX ER30-42-60/6L	W52 702.00	1 1/4"	68	18	20	40	46	36	32
U240.90.35	INDEX B30-42-60F/6L INDEX E30-42-60-100 INDEX ER30-42-60/5L		1 1/4"	68	25	30	40	46	36	32

Weitere Schaft-Ø lieferbar: 20,0 22,0 25,0 30,0 1 1/4" 32,0
Other shank-Ø available:
 Auch mit Zangenaufsatz lieferbar

Also available with collet top

Bohrerhalter

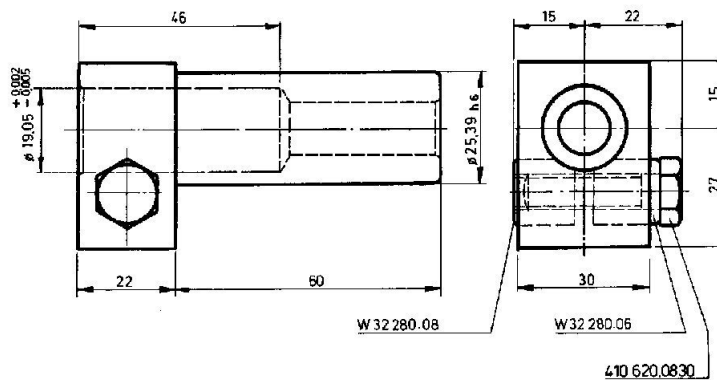
Drill Holders



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G	H
U250.50.20	INDEX 12 - 18 - 25	W12 100.00	21	26	32	15	3/4"	13	17	25
U250.50.18	INDEX 12 - 18 - 25		21	26	32	18	3/4"	13	17	25
U250.60.30	INDEX 30-42-60/8L INDEX C19 - 29/6L	W32 100.00	32	40	46	25	1"	20	24	36
U250.90.40	INDEX B60	W52 100	40	50	60	30	1 1/4"	28	28	56
U250.90.30	INDEX B60	W52	32	40	46	25	1 1/4"	20	24	36
U250.60.31	INDEX B60	W32 110.00	42	16	46	15	1"	18	18	28

Ausgleichshalter - Reduzierung

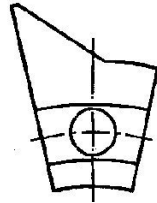
Adjusting Holders - Reduction



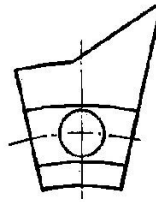
Bestell-Nr. - order-no.	Maschine - machine	Orig. Ersatzteil-Nr. - orig. spare part no.
U251.60.20	INDEX B42 - 60 INDEX C19-29/6L	W35 260.00

Kurvengleitstücke (Schaltnocken)

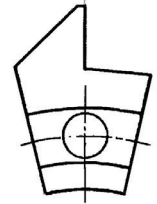
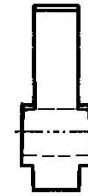
Cam Sliding Pieces



Art.Nr.: xxx.xx.10



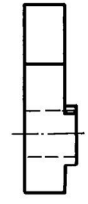
xxx.xx.20



Art.-Nr.: xxx.xx.30



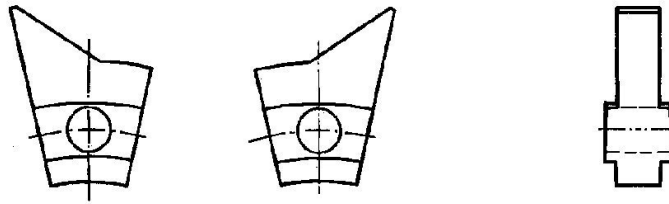
xxx.xx.40



	Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
	U292.50.10		A31941
	U292.50.20		A32100
	U292.50.30	INDEX 12 - 18 - 25	A31950
	U292.50.40	INDEX C19 - 29	A31960
Schraube - screw	U2028-29		A31971
	U292.60.10		A72100
	U292.60.20		A71941
	U292.60.30	INDEX B30-42-60	A71950
	U292.60.40		A71960
Schraube - screw	U2028-42		B23151

Kurvengleitstücke (Schaltnocken)
rechts + links verwendbar

Cam Sliding Pieces
Usable Right and Left



Art.Nr.: xxx.xx.12



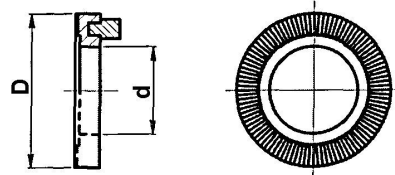
Art.-Nr.: xxx.xx.34

	Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
	U292.50.12		A31941 A32100
	U292.50.34	INDEX 12 - 18 - 25 INDEX C19 - 29	A31950 A31960
Schraube - screw	U2028-29		A31971
	U292.60.12		A72100 A71941
	U292.60.34	INDEX B30-42-60	A71950 A71960
Schraube - screw	U2028-42		

Kurvenmitnehmer

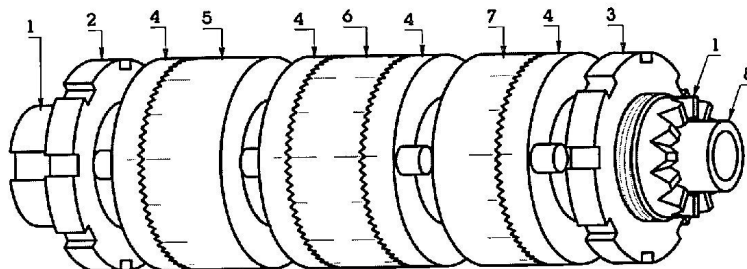
Cam Disk Holders

Bestell-Nr. order-no.	D	d	Maschine machine
V500.340	56	32	INDEX 12 18 25
V500.340B	66	42	INDEX 12 18 25
V500.345	60	36	INDEX C19 29
V500.360	68	40	INDEX 36 52
V500.360	68	40	INDEX B42 60
V500.360B	78	50	INDEX 36 54



Kurventräger, komplett

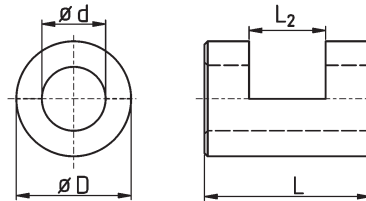
Cam Disk Shafts, complete



Nr.	Beschreibung - designation	Bestell-Nr. - order-no.	Bestell-Nr. - order-no.
		INDEX C 19-29	INDEX B 30-42-60
	Kurvenwelle komplett - cam disk shaft complete	V686.345	V686.360
1	Welle - spindle	V686.345A	V686.360A
2	Spannmutter mit Linksgewinde clamping nut with left hand thread	V593.345S	V593.360S
3	Spannmutter mit Rechtsgewinde clamping nut with right hand thread	V593.345D	V593.360D
4	Gezählter Kurvenmitnehmer - geared cam disk holder	V500.345	V500.360
5	Zahnscheibe links - geared washer left	V500.345D	V500.360D
6	Doppelzahnscheibe - double geared washer (left + right)	V500.345E	V500.360E
8	Führungshülse - guide tube	V686.345B	V686.360B

Spannbüchsen für Werkzeughalter
 System INDEX / TRAUB

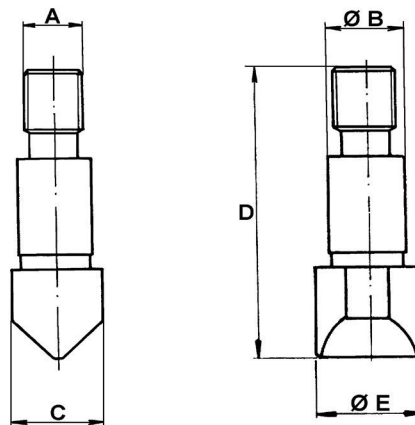
Clamping Bushes for Tool Holders
 System INDEX / TRAUB



Bestell-Nr. order-no.	D	L	L ₂	d	stg. step
V993.112. . .	12	20	10	2 - 9	0,1
V993.115. . .	15	24	10	2 - 12	0,1
V993.118. . .	18	26	12	6 - 12	1
V993.118.150	18	26	12	15	

Klinkbolzen

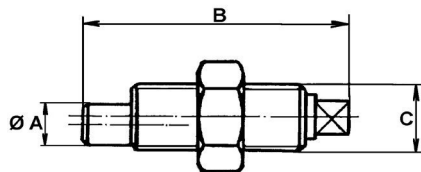
Pawl Bolts



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E
U294.50.20	INDEX 12 - 18 - 25	A31 161	M8 x 1,25	10	12	42	14
U294.60.20	INDEX 24 - 36 - 52 INDEX B30-42-60	A71 151	M10 x 1,5	12	16	48	18

Exzenterbolzen

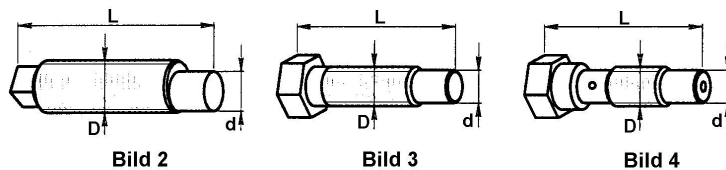
Eccentric Bolts



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C
U293.50.20	INDEX 12 - 18 - 25	A31090	8	54	M14 x 1
U293.60.20	INDEX 24 - 36 - 52		10	60	M16 x 1
U293.60.30	INDEX B30 - 42 - 60	B18 161	10	38	M14 x 1
U293.60.40	INDEX B30 - 42 - 60		10	52	M14 x 1
U293.65.30	INDEX C19 - 29	C18 161	8	36	M12 x 1
U293.65.40	INDEX C19 - 29	C22 211	8	46	M12 x 1

Exzenterbolzen, Zapfenschrauben

Eccentric Bolts, Pin Screws

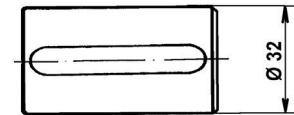
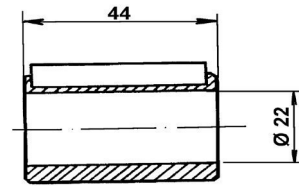


Bestell-Nr. order-no.	D	d	L	Exzenter eccentric	Bild	Für Maschinenteil for machine-part	Maschine machine
V730.330	M14x1	8	54	1,5	2		INDEX 12-18-25
V730.341A	M10x1	8	41		3		INDEX 12-18-25
V730.341B	M10x1	8	33		3		INDEX 12-18-25
V730.345	M12x1	8	36	1	2		INDEX C19-29
V730.345B	M12x1	8	46	1	2		INDEX C19-29
V730.346A	M10x1	8	44		3		INDEX C29
V730.346B	M10x1	8	40		4		INDEX C29
V730.347A	M10x1	8	49		3		INDEX C19
V730.347B	M10x1	8	45		4		INDEX C19
V730.360	M16x1	10	60	1,5	2		INDEX 24-36-52
V730.361A	M12x1	10	53		3		INDEX B30-42
V730.361B	M12x1	10	53		4		INDEX B30-42
V730.362A	M12x1	10	45		3		INDEX 24-36-52
V730.362B	M12x1	10	34		3		INDEX 24-36-52
V730.380	M14x1	10	38	1,5	2		INDEX B30-42-60
V730.380B	M14x1	10	52	1,5	2		INDEX B30-42-60
V730.381A	M12x1	10	45		3		INDEX B60
V730.381B	M12x1	10	45		4		INDEX B60

Bronzebüchsen

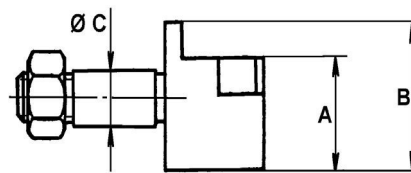
Bronze Sleeves

Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
U295.60.30	INDEX B30 - 42 - 60	B21 101



Auslösebolzen

Cleaning Bolts



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C
U297.50.20	INDEX 12 - 18 - 25	AA5731	16	21	8
U297.60.30	INDEX B30-42-60	B35 361	18	18	10
U297.65.30	INDEX 24 - 36 - 52 INDEX C19 - 29	A7492	18	24	10

Ersatzteile für INDEX MS 25

Spare Parts for INDEX MS 25

Bezeichnung - description	Orig. - Nr. - orig. no.		Unsere Bestell - Nr. our order-no.
Werkstoffanschlag - bar stop			
Bolzen - <i>bolts</i>	M30 162.5010	Werkstoffanschlag - <i>bar stop</i>	U2015-MSW
Scheibe - <i>washer</i>	M30421.90	dto. Abm. 20x12x3	U2011-MSW
Kurvenrollen - <i>cam rolls</i>	A74140	dto. 24x12x2	U2010-MSW

Querschlittenantrieb - cross slide gear			
Mutter - <i>nuts</i>	41 5608.1010	Mutter - <i>nut</i> 10 x I - 936	
Buchse - <i>bushes</i>	M300 52.70	dto.	U2010-MSQ
jeweils incl. passendem - <i>incl. adequate</i>			
Bolzen - <i>bolts</i>	M32 281.60	Ers. Teil f. Rundbolzen <i>spare part for bolt</i> M30091.40	U2015-MSQ

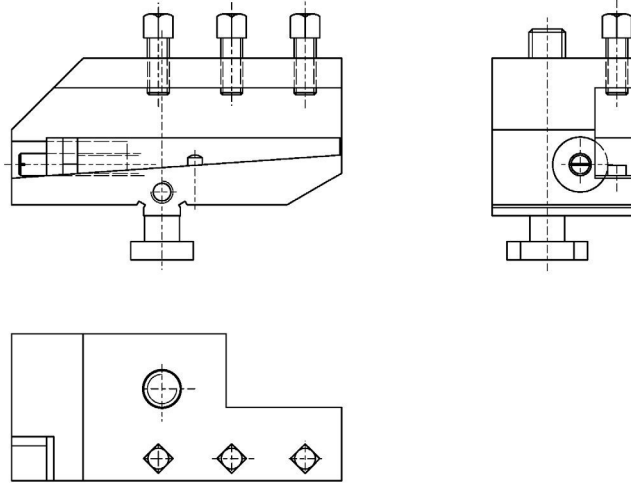
Rollen / Rollenbolzen - rolls / roller bolts			
Rolle - <i>rolls</i>	M 30101	25 x 8	U2010-MSG
Rolle - <i>rolls</i>	AB 9270	16 x 8	U2010-MSK
Rollenbolzen - <i>roller bolts</i>	M 30103.10	8 x 52	U2015-MS
Rollenbolzen - <i>roller bolts</i>			

Querschlittenantrieb - cross slide gear			
Anschlagkappe - <i>arrester capping</i>	SK 1010.0120		UMSSK 5
Anschlagkappe - <i>arrester capping</i>	ähnlich SK 1010.0120	Kopf 10 mm verlängert <i>head 15 mm extended</i>	UMSSK 10
Anschlagkappe - <i>arrester capping</i>	ähnlich SK 1010.0120	Kopf 15 mm verlängert <i>head 15 mm extended</i>	UMSSK 15

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4	Ausdrehhalter, seiten- u. höhenverstellbar <i>Adjustable Recessing Tool Holders</i>
5 - 9	Verschiebehalter <i>Shift Holders, Drill Holders, Tool Holders</i>
9	Stech- u. Drehhalter Senkrechtsupport <i>Infeed Tool Holders + Turning Holders, Vertical Slider</i>
10	Überdrehhalter <i>Tool Holder Flanges</i>
10 - 12	Kurvenmitnehmer, Kurventrommeln, Kurvenfinger <i>Cam Disk Holders, Cam Tube Holders, Cam Fingers</i>
12, 13	Exzenterbolzen, Zapfenschrauben, Kugelzapfen <i>Eccentric Bolts, Shoulder Screws, Ball Pins</i>
13, 14	Klemmstücke für TD / TB <i>Clamping Parts for TD / TB</i>
14	Skalentrommeln, Mikrometerschrauben <i>Micrometer Screws + Scales</i>
15	Schnecken, Schneckenräder <i>Worms and Worm Wheels</i>
16, 18	Zahnräder, Zahradachsen <i>Gear Wheels, Gear Holders</i>
17, 18	Kettenräder, Aufnahmeflansche, Ketten <i>Chain Wheels, Flanges, Chains</i>
18	Kühlmittelpumpen <i>Water Pumps</i>
19	Gewindeschneidapparat f. A15 - 25 + Einzelteile <i>Thread Cutting Device</i>
20	Werkstückspindel + Einzelteile <i>Spindle Shaft</i>
21 - 23	Senkrechtsupport + Einzelteile <i>Vertical Slider</i>
24	Langdreheinrichtung + Einzelteile <i>Plain Turning Slider</i>
25	Wippe + Einzelteile <i>Crosswise Slider</i>
26	Zangenspanneinrichtung + Einzelteile <i>Open-Close Collet Device</i>
27	Bohrreitstock + Einzelteile <i>Tailstock</i>
28, 29	Schwinganschlag für A15 - 60 + Einzelteile <i>Stop Device for A15 - 60</i>
30	Schneckenwelle + Einzelteile <i>Friction Group</i>
31 - 34	Ersatzteile div. <i>Spare Parts div.</i>

Stahlhalter TRAUB A15-25 / TD
 für vorderen- oder hinteren Seitenschlitten

Tool Holders TRAUB A15-25 / TD
 for Front or Rear Side Head



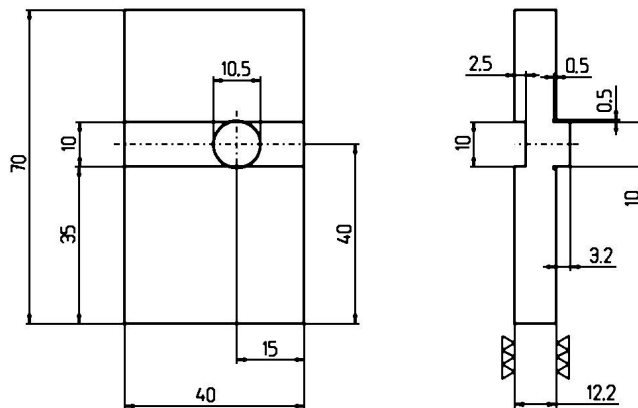
Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	Drehmeißelquerschnitt shank width	Bemerkung notice
U21T.55.R	TRAUB TD26/36	695 150	12x12	
U21T.55.L	TRAUB TD26/36	695 155	12x12	
U21T.5K	Justierkeil II - <i>adjusting wedge</i>		10x10	zur Reduzierung auf <i>to reduce to</i> 10x10
U21T.6K	Justierkeil - <i>adjusting wedge</i>	695 152	12x12	
U21T.25.R	TRAUB A15-25	610 099	10x10	
U21T.25.L	TRAUB A15-25	610 100	10x10	
U22T.25.R	TRAUB A15-25		12x12	Keil ohne Justierschraube <i>wedge without adjusting screw</i>
U22T.25.L	TRAUB A15-25		12x12	Keil ohne Justierschraube <i>wedge without adjusting screw</i>
U21T.2K	Justierkeil II - <i>adjusting wedge</i>		10x10	

Artikel incl. Nutenstein und Anzugmuttern

Supplied incl. t-slide and pull nuts

Unterlegplatte TRAUB TD

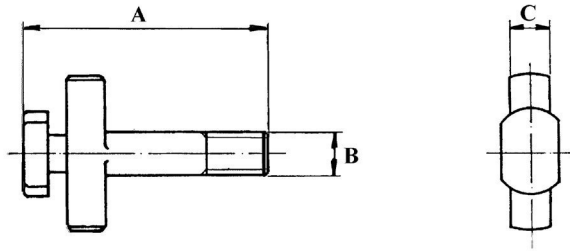
Spacers TRAUB TD



Bestell-Nr. order-no.	Maschine machine	Stärke 12,2mm thickness	Bemerkung notice
U21Platte	TD16-26-36		für hinteren Schlitten, gehärtet und geschliffen <i>for rear slide, hardened and grinded</i>

Anzugschrauben
 für Stechhalter Art. U21T

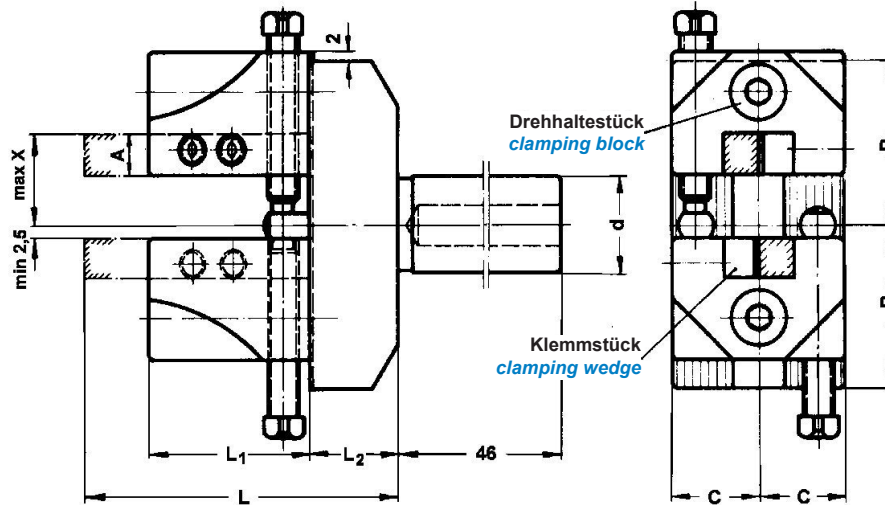
Pull Studs
 for Infeed Tool Holders U210 / U21T



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C
U214.21.TD	TRAUB TD16-26-36	695 154	63	M10	17
U214.21.TDL	TRAUB TD lange Ausführung - long type		75	M10	17

Drehhalter einstellbar
 für 2 Dreheinsätze rechts / links

Turning Holders Adjustable
 for 2 Turning Inserts Right / Left



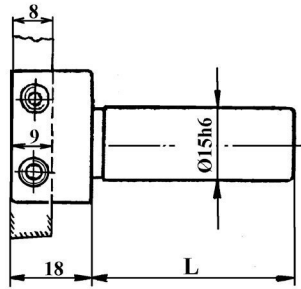
Bestell-Nr. order-no.	d	B	C	L	L ₁	L ₂	A	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
U234.50.20	3/4"	32	17	63	32	17	8	Traub	

Klemmstück + Drehhaltestücke einzeln lieferbar

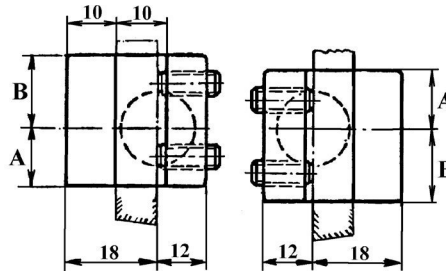
Clamping wedges and clamping blocks also available separately

Dreheinsätze radial
 Schaftdurchmesser 15 h6 / 18 h6

Turning Holders Radial
 Shank Diameter 15 h6 / 18 h6



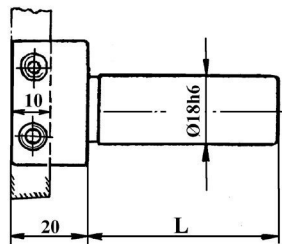
Art. 235



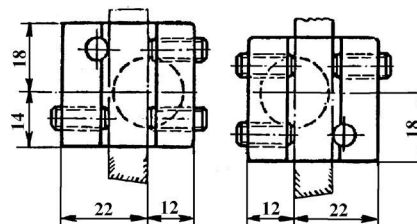
linkslauf
anticlockwise rotation

rechtslauf
clockwise rotation

Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	L	A	B	Dreh- turning - Ø	
						links - left	rechts - right
U235.20.22	TRAUB TD16 26 36	315 016	42	13	19		0 - 26
U235.20.23	TRAUB TD16 26 36	315 018	60	13	19		0 - 26



Art. 235.1



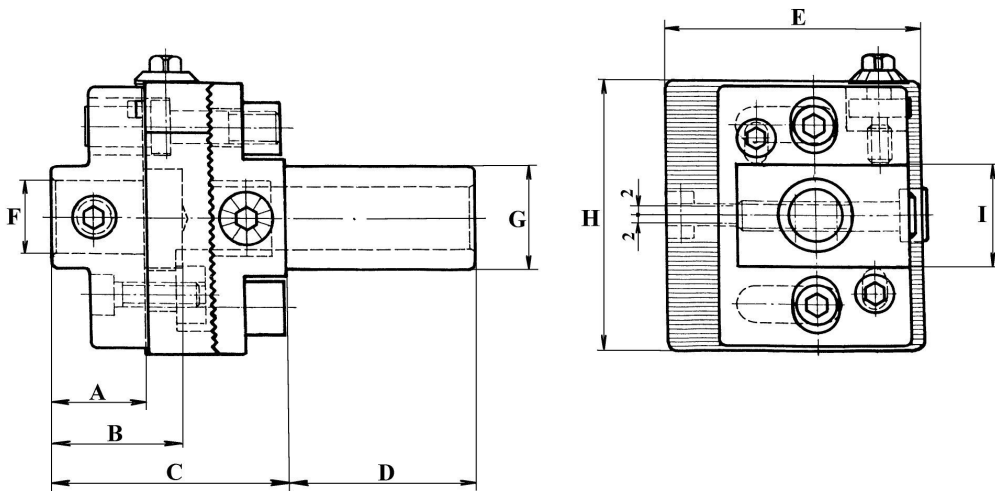
linkslauf
anticlockwise rotation

rechtslauf
clockwise rotation

Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	L	Dreh- turning - Ø	
				links - left	rechts - right
U235.60.32	TRAUB TB 42/60	315 214	42		0 - 42
U235.60.33	TRAUB TB 42/60	315 215	60		0 - 42

Ausdrehhalter
mit Seiten und Höhenverstellung

Recessing Tool Holders
with Lateral and Height Adjustment



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G	H	I
U275.50.30	TRAUB TD	315-030	20	27	48	46	52	18	3/4"	60	22

Ausdrehhalter
mit Seiten und Höhenverstellung
Neu: mit Prismatic-Führung - schnelleres Einstellen

Recessing Tool Holders
with Lateral and High Adjustment
New: With Prismatic Guiding - Quicker Setting

Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G	H	I
U276.60.25	TRAUB TB	315 224	33	42	66	46	62	25	1"	66	25

Weitere Schaft-Ø lieferbar: 20,0 22,0 25,0 30,0 1 1/4" 32,0
Other shank-Ø available:
 Auch mit Zangenaufsatz lieferbar

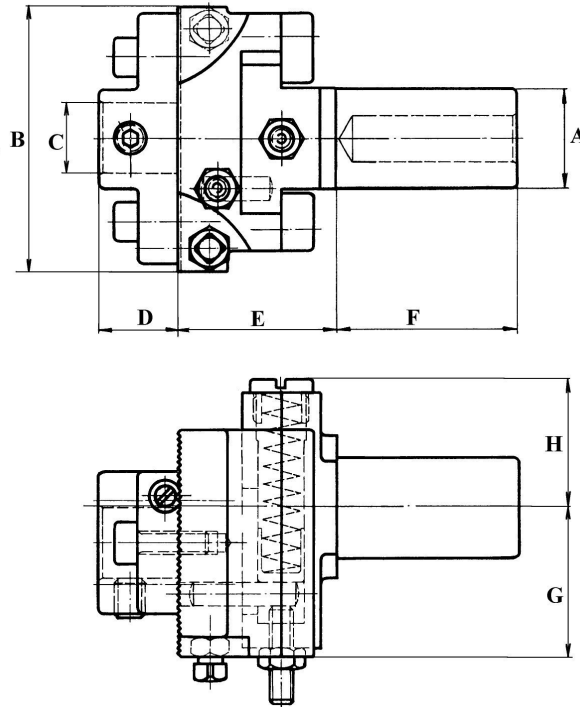
Also available with collet head

Verschiebehalter
für Links- und Rechtslauf, QI und QII

Shift Holders
Left and Right Hand Rotation, QI and QII

Plandrehweg max. 21 mm

Face turning max. 21 mm



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G	H
U240.50.21	TRAUB TD26	315 031	3/4"	66	18	20	34	46	24	32
U240.60.35	TRAUB TB 42 60		1"	68	25	30	40	46	36	32

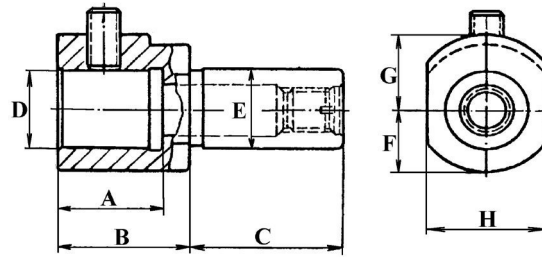
Weitere Schaft-Ø lieferbar: 20,0 22,0 25,0 30,0 1 1/4" 32,0
Other shank-Ø available:

Auch mit Zangenaufsatz lieferbar

Also available with collet head

Bohrerhalter

Drill Holders



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	D	E	F	G	H
U250.50.21	TRAUB TD16-26-36	TRAUB 315 004	21	39	46	15	3/4"	15	19	22
U250.50.22	TRAUB TD16-26-36	TRAUB 315 047	32	42	60	25	3/4"	22,5	22,5	36
U250.50.22kurz	TRAUB TD16-26-36		32	36	32	25	3/4"	22,5	22,5	36
U250.60.30	TRAUB	315 203	32	40	46	25	1"	20	24	36

Werkzeughalter für TRAUB mit Wippe

Tool Holders for TRAUB with Rocker

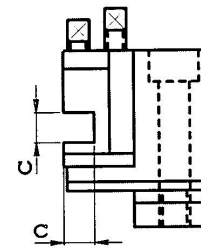
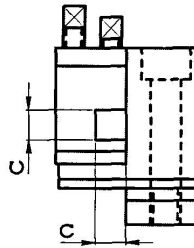
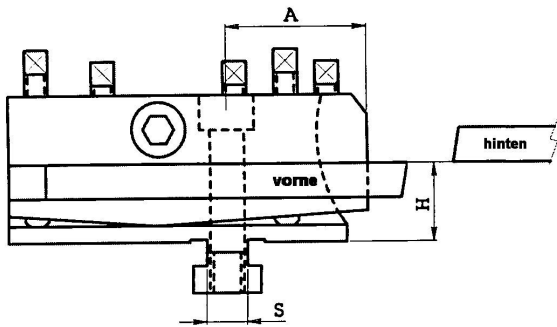


Bild 1

Bild 2

Werkzeughalter, justierbar (geschlossen) - tool holders, adjustable (close type)

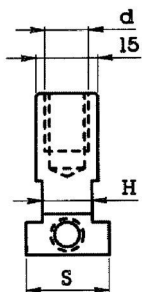
Bestell-Nr. order-no.	Position	H	A	S	C	Bild	Maschine machine
V300.101	vorne - front	22	41	12	10x10	1	TRAUB A 15-20-25
V300.201	hinten - rear	22	41	12	10x10	1	TRAUB A 15-20-25
V300.601	vorne - front	40	62	15	12x12	1	TRAUB A 36-42-60 TB42-60
V300.701	hinten - rear	40	62	15	12x12	1	TRAUB A 36-42-60 TB42-60

Werkzeughalter, justierbar (offen) - tool holders, adjustable (open type)

Bestell-Nr. order-no.	Position	H	A	S	C	Bild	Maschine machine
V302.101	vorne - front	22	41	12	10x10	2	TRAUB A 15-20-25
V302.102	vorne - front	22	41	12	10x20	2	TRAUB A 15-20-25
V302.201	hinten - rear	22	41	12	10x10	2	TRAUB A 15-20-25
V302.202	hinten - rear	22	41	12	10x20	2	TRAUB A 15-20-25
V302.601	vorne - front	40	62	15	12x12	2	TRAUB A 36-42-60 TB42-60
V302.602	vorne - front	40	62	15	12x25	2	TRAUB A 36-42-60 TB42-60
V302.701	hinten - rear	40	62	15	12x12	2	TRAUB A 36-42-60 TB42-60
V302.702	hinten - rear	40	62	15	12x25	2	TRAUB A 36-42-60 TB42-60

Keile und Nutensteine

Wedges and Dowels

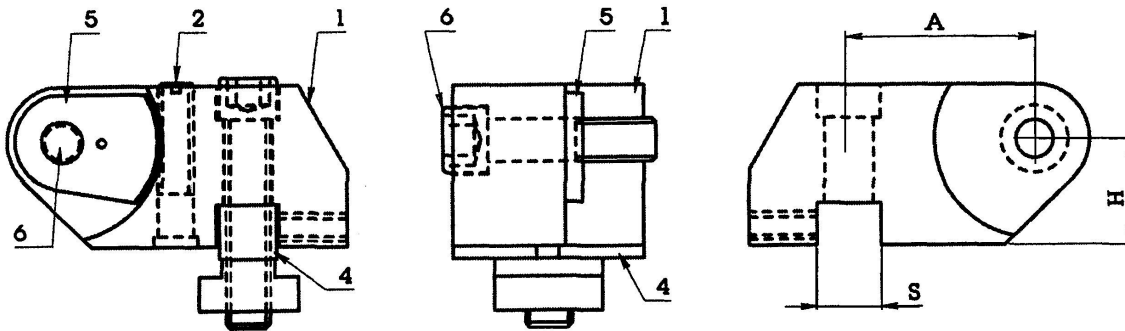


Keile - wedges			
Bestell-Nr. order-no.	H	L	für Werkzeughalter for tool holder
V334.101	10	85	
V334.102	20	85	V320.102/202
V334.103	30	85	V320.103/203
V334.601	15	120	
V334.602	25	120	V320.602/702
V334.603	40	120	V320.603/703

Nutensteine - dowels			
Bestell-Nr. order-no.	d	H	S
V336.110	10MA	12	20
V336.112	12MA	12	20
V336.210	10MA	12	20
V336.610	10MA	15	22
V336.612	12MA	15	22
V336.614	14MA	15	22

Werkzeughalter für Rundformstähle

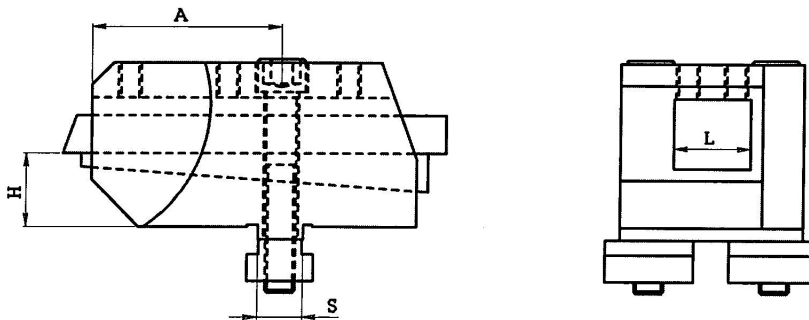
Crosswise Tool Holder (Washer Type)



Bestell-Nr. - vorne order-no. - front		Bestell-Nr. - hinten order-no. - rear	H	A	S	D	h	Maschine machine
V310.100	Werkzeughalter komplett <i>tool holder complete</i>	V310.200	22	43	12	44	25	
V310.101	Grundkörper - <i>base body</i>	V310.201	22	43	12	44	25	TRAUB
V310.102	Stellschraube - <i>adjusting screw</i>	V310.202	22	43	12	44	25	A15-20-25
V310.104	Schlüssel - <i>spanner</i>	V310.104	22	43	12	44	25	SAIC B 26-30
V310.105	Zahnscheibe - <i>lock washer</i>	V310.105	22	43	12	44	25	ITS 26
V310.106	Anzugschraube - <i>pull screw</i>	V310.106	22	43	12	44	25	

Werkzeughalter 2 - 3 - 4 - fach

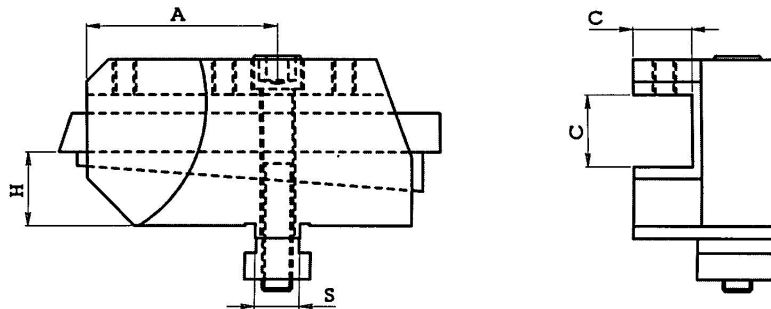
Tool Holders 2 - 3 - 4 - times



Bestell-Nr. order-no.	Position	H	A	S	L	Maschine machine
V320.102	rechts - <i>right</i>	22	38	12	22	TRAUB A 15-20-25 2-fach <i>2-times</i>
V320.103	rechts - <i>right</i>	22	38	12	33	TRAUB A 15-20-25 3-fach <i>3-times</i>
V320.104	rechts - <i>right</i>	22	38	12	43	TRAUB A 15-20-25 4-fach <i>4-times</i>
V320.202	links - <i>left</i>	22	38	12	22	TRAUB A 15-20-25 2-fach <i>2-times</i>
V320.203	links - <i>left</i>	22	38	12	33	TRAUB A 15-20-25 3-fach <i>3-times</i>
V320.204	links - <i>left</i>	22	38	12	43	TRAUB A 15-20-25 4-fach <i>4-times</i>
V320.602	rechts - <i>right</i>	40	65	15	27	TRAUB A 36-42-60 TB42-60 2-fach <i>2-times</i>
V320.603	rechts - <i>right</i>	40	65	15	41	TRAUB A 36-42-60 TB42-60 3-fach <i>3-times</i>
V320.702	links - <i>left</i>	40	65	15	27	TRAUB A 36-42-60 TB42-60 2-fach <i>2-times</i>
V320.703	links - <i>left</i>	40	65	15	41	TRAUB A36-42-60 TB42-60 3-fach <i>3-times</i>

Werkzeughalter offen

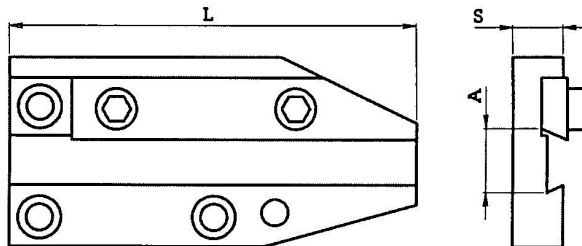
Tool Holders Open



Bestell-Nr. order-no.	Position	H	A	S	C	Maschine machine
V330.101	rechts - <i>right</i>	22	38	12	10x10	TRAUB A 15-20-25
V330.201	links - <i>left</i>	22	38	12	10x10	TRAUB A 15-20-25
V330.111	rechts - <i>right</i>	22	38	12	19x10	TRAUB A 15-20-25
V330.211	links - <i>left</i>	22	38	12	19x10	TRAUB A 15-20-25
V330.601	rechts - <i>right</i>	40	65	15	12x12	TRAUB A 36-42-60 TB42-60
V330.601B	rechts - <i>right</i>	40	65	15	12x12	gespiegelt - <i>mirrored</i> TRAUB A 36-42-60 TB42-60
V330.701	links - <i>left</i>	40	65	15	12x12	TRAUB A 36-42-60 TB42-60
V330.701B	links - <i>left</i>	40	65	15	12x12	gespiegelt - <i>mirrored</i> TRAUB A 36-42-60 TB42-60

Stechhalter + Drehhalter
 Senkrechtsupport

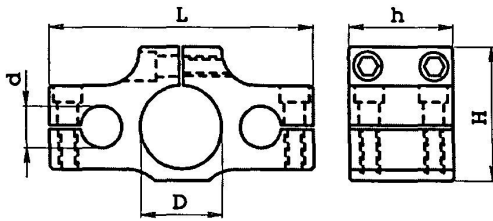
Infeed Tool Holders + Turning Holders
 Vertical Slider



Bestell-Nr. order-no.	Orig. Ersatzteil-Nr. orig. spare part no.	L	S	A	Maschine machine
V602.101	610 283	93	12	13x2 / 13x3	TRAUB A 15-20-25
V602.601		116	12	17x3 / 17x4	TRAUB A 36-42-60 TB 30
SS TD26-10	695 120	85	24	10x10	TRAUB TD16 - 26 - 36
SS TD26-12		85	24	12x12	TRAUB TD16 - 26 - 36
V600.120	610 281	85	22	10x10	TRAUB A 15-20-25

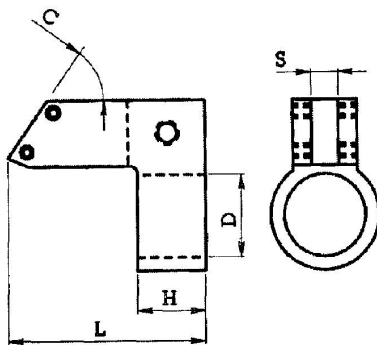
Überdrehhalter

Tool Holder Flanges



Doppelter Überdrehhalter - double tool holder flange

Bestell-Nr. order-no.	D	d	L	h	H	Maschine machine
V360.101	30	15	98	38	48	TRAUB A 15-20-25
V360.601	40	22	126	40	58	TRAUB A 36-42-60 TB42-60



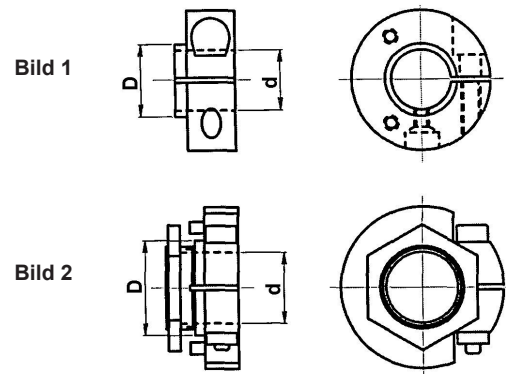
Einfacher Überdrehhalter - single tool holder flange

Bestell-Nr. order-no.	C	d	L	H	S	Maschine machine
V366.100	0°	30	70	26	8x8	TRAUB A 15-20-25
V366.115	15°	30	70	26	8x8	TRAUB A 15-20-25
V366.130	30°	30	75	26	8x8	TRAUB A 15-20-25
V366.145	45°	30	80	26	8x8	TRAUB A 15-20-25
V366.615	15°	40	80	32	10x10	TRAUB A36-42-60 TB42-60
V366.630	30°	40	80	32	10x10	TRAUB A36-42-60 TB42-60
V366.645	45°	40	90	32	10x10	TRAUB A36-42-60 TB42-60

Kurvenmitnehmer

Cam Disk Holders

Bestell-Nr. order-no.	D	d	Bild	Maschine machine
V500.001	40	30	2	TRAUB TD16 26 36
V500.101	30	25	1	TRAUB A15 20 25
V500.102	45	25	1	TRAUB A15 20 25
V500.103	36	25	1	TRAUB A15 20 25
V500.601	40	32	1	TRAUB A 36 42 60
V500.602	58	32	1	TRAUB A 36 42 60
V500.701	45	35	1	TRAUB TB 42 60

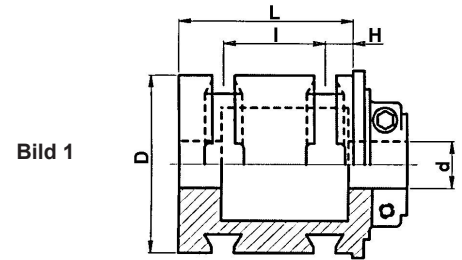


Kurventrommeln

Cam Tube Holders

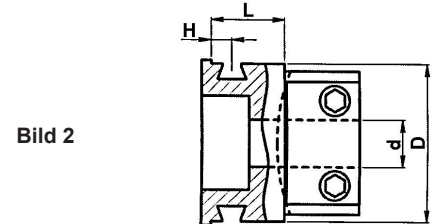
Reitstock - tail stock

Bestell-Nr. order-no.	D	d	L	H	I	Bild	Maschine machine
V502.001	110	30	132	12,5	100	1	TRAUB TD16-26-36
V502.101	95	25	93	15	54	1	TRAUB A15-20-25
V502.601	125	40	158	20	112	1	TRAUB A36-42-60
V502.701	125	35	158	20	112	1	TRAUB TB30-42-60



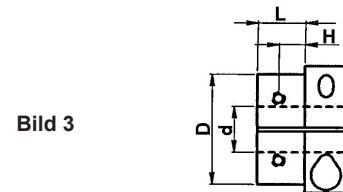
Gewindestrehlapparat - thread chasing equipment

Bestell-Nr. order-no.	D	d	L	H	Bild	Maschine machine
V502.101	95	25	93	15	1	TRAUB A15-20-25



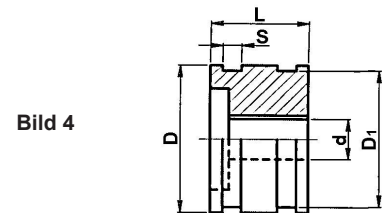
Langdreheinrichtung - plain turning equipment

Bestell-Nr. order-no.	D	d	L	H	Bild	Maschine machine
V506.101	60	25	25	10	3	TRAUB A15-20-25
V506.601	95	32	100	15	2	TRAUB A36-42-60
V506.701	125	35	158	20	1	TRAUB TB30-42-60



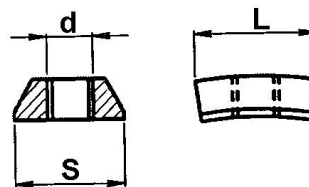
Zangenspanneinrichtung - collet clamping equipment

Bestell-Nr. order-no.	D	D ₁	d	S	L	Bild	Maschine machine
V508.001	115	110	30	54	73	4	TRAUB TD16-26-36
V508.101	80	74	20	10	52	4	TRAUB A15-20-25
V508.601	120	110	28	15	72	4	TRAUB A36-42-60
V508.701	140	130	30	15	92	4	TRAUB TB30-42-60



Nutensteine für Kurventräger

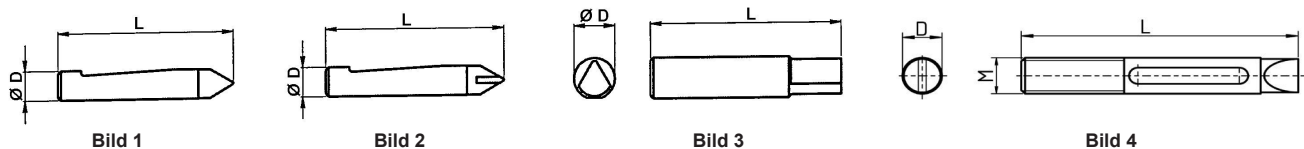
Dowels for Tighten Up Cam



Bestell-Nr. order-no.	d	S	L	Maschine machine	Kurventräger tighten up cam
V510.101	M6	18	19,5	TRAUB A15-20-25 / TD 16-26-36	Bohrapparat Gew. <i>bore device thread</i>
V510.601	M8	20	23	TRAUB A36-42-60 / TB30-42-60	Pinole Revolver <i>revolver sleeve</i>

Kurvenfinger

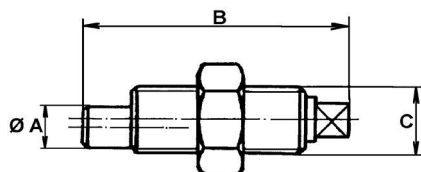
Cam Fingers



Bestell-Nr. order-no.	d	L	Bild	Schlitten - slide	Orig. Ersatzteil-Nr. orig. spare part no.	Maschine machine
V512.101	10	60	1	Vertikal / Horizontal	620 075	TRAUB A15-20-25 TD16-26-36
V512.105	12	55	3	Langdreheinrichtung		TRAUB A15-20-25
V512.110	10	60	2	Vertikal / Horizontal		TRAUB A15-20-25 TD16-26-36
V512.601	12	75	1	Vertikal / Horizontal		TRAUB A36-42-60
V512.601	12	75	1	Vertikal		TRAUB 30-42-60
V512.605	14	65	3	Langdreheinrichtung		TRAUB A36-42-60
V512.610	12	75	2	Vertikal / Horizontal		TRAUB A36-42-60
V512.611	12	75	2	Vertikal		TRAUB TB30-42-60
V512.701	16	64	1	Horizontal		TRAUB TB30-42-60
V512.104	10	70	4	Vertikal / Horizontal	652 325	TRAUB TC15

Exzenterbolzen

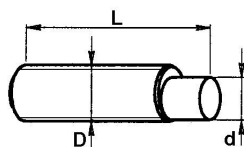
Eccentric Bolts



Bestell-Nr. order-no.	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.	A	B	C	Exz.
V730.101	TRAUB A15-20-25	628 821	10	43	M12 x 1	
V730.101T	TRAUB A15-20-25	626 299	10	43	M12 x 1	0,5
V730.601	TRAUB A36-42-60		12	47	M16 x 1	
V730.701	TRAUB TB42-60		12	54	M16 x 1	
V730.701S	TRAUB TB42-60	655 158+655 156	10	54	M16 x 1	
V730.001	TRAUB TD26-36	692 891	6	40	M10 x 1	

Exzenterbolzen

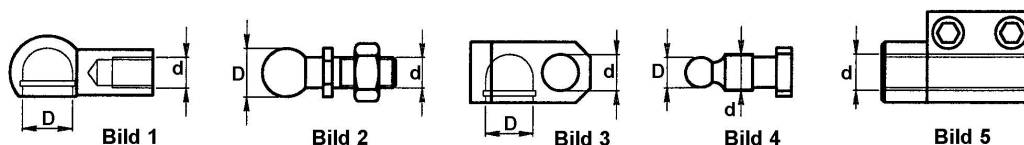
Eccentric bolts



Bestell-Nr. order-no.	D	d	L	Exc.	Für Maschinenteil for machine part	Maschine machine
V730.001	M10x1	6	40	1	692 891	TRAUB TD16-26-36
V730.101	M12x1	10	43	0,75		TRAUB A15-20-25
V730.102	M12x1	8	43	0,75		TRAUB A15
V730.601	M16x1	12	54	1,5		TRAUB A36-42-60
V730.701	M16x1	12	47	1,5		TRAUB TB30-42-60

Winkelgelenke - Kugelzapfen, Pfannen

Ball and Socket Joints



Pfanne - socket				Kugel - ball				Für Maschinenteil for machine part	Maschine machine
Bestell-Nr. order-no.	D	d	Bild	Bestell-Nr. order-no.	D	d	Bild		
V734.010	13	M8x1,25	1	V734.011	13	8x1,25	2	Senkrechtsupport <i>vertical slider</i>	TRAUB A15 alt
V734.110	16	M10x1,5	1	V734.111	16	10x1,5	2	Senkrechtsupport <i>vertical slider</i>	TRAUB A15-20-25
V734.120	16	12,5	3	V734.111	16	10x1,5	2	Senkrechtsupport <i>vertical slider</i>	TRAUB A15-20-25
V734.620	19	14,5	3	V734.286	10	12x1	4	Senkrechtsupport <i>vertical slider</i>	TRAUB A36-42-60
				V734.611	19	14x1,5	2	Senkrechtsupport <i>vertical slider</i>	TRAUB A36-42-60
				V734.611	19	14x1,5	2	Langdreheinrichtung <i>plain turning slider</i>	TRAUB A15-20-25

**Klemmstücke f. Langdreheinrichtung
clamping parts for plain turning slider**

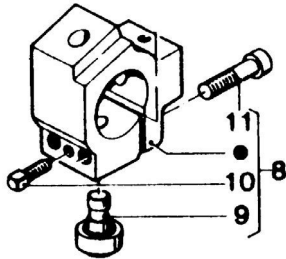
V734.130	12x1,5	5	Langdreheinrichtung (Klemmstück) <i>plain turning slider</i>
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Klemmstücke

für TRAUB TD16/26/36 und TRAUB TB42/60

Clamping Parts

for TRAUB TD16/26/36 and TRAUB TB42/60



Bestell-Nr. order-no.	D	Maschine machine	Orig. Ersatzteil-Nr. orig. spare part no.
UKSTD26	35	TD16/26/36	692 841
Ohne Rollenbolzen, mit Schrauben - <i>without roller bolts, with screws</i>			
UKSTD26R	35	TD16/26/36	692 840
Incl. Rollenbolzen - <i>incl. roller bolts</i>			
UKSTB42	40	TB42/60	656 492
Ohne Rollenbolzen, mit Schrauben - <i>without roller bolts, with screws</i>			
UKSTB42R	40	TB42/60	656 526
Incl. Rollenbolzen - <i>incl. roller bolts</i>			

Skalen, Mikrometerschrauben

Micrometer Screws

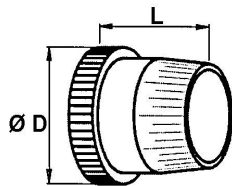


Bild 1

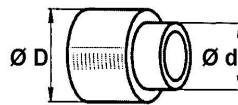


Bild 2

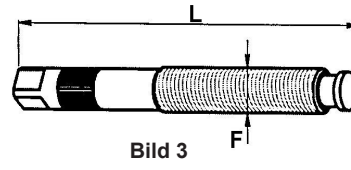


Bild 3

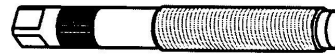
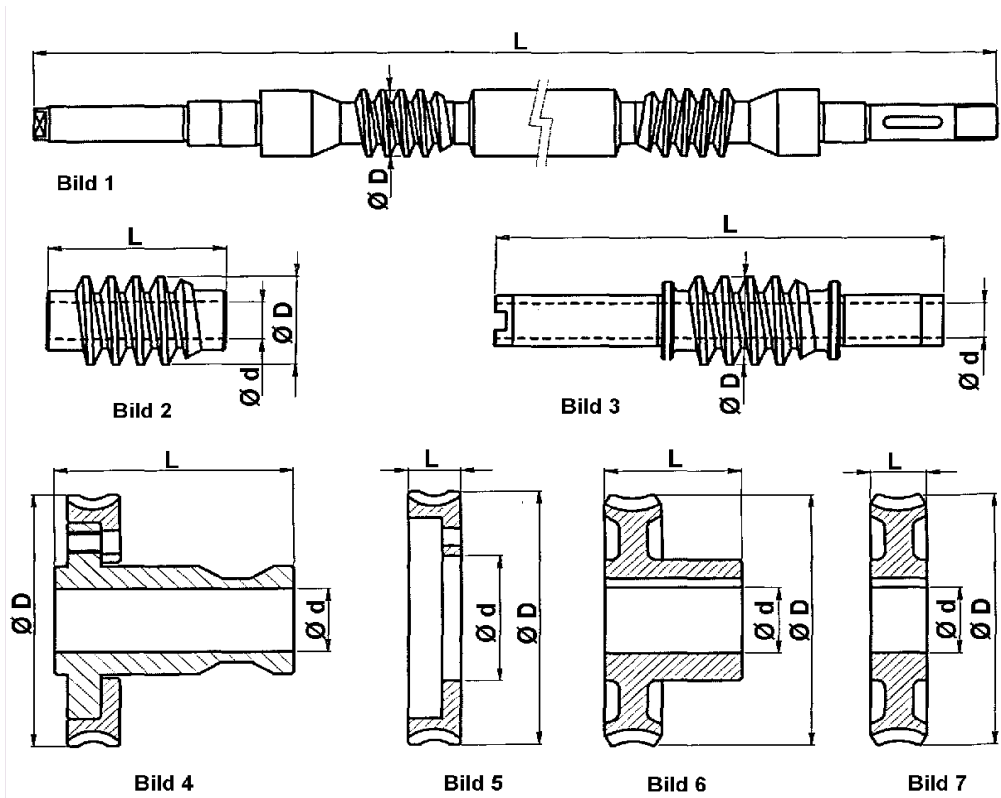


Bild 4

Skalentrommel				Skala scale				Schraube screw				Für Maschinenteil for machine part	Maschine machine
Bestell-Nr. order-no.	D	L	Bild	Bestell-Nr. order-no.	D	d	Bild	Bestell-Nr. order-no.	F	L	Bild		
V724.110	20	21	1	V724.111	16	11	2	V726.110	M7x1	69	3	Senkr.schlitten <i>vertical slide</i>	TRAUB A 15
V724.110	20	21	1	V724.111	16	11	2	V726.120	M7x1	69	4	Waag.schlitten <i>hirizontal slide</i>	TRAUB A 15
V724.610	31	29	1	V724.611	21	15	2	V726.610	M10x1	95	3	Senkr.schlitten <i>vertical slide</i>	TRAUB A15-20-25-36-42-60
V724.610	31	29	1	V724.611	21	15	2	V726.620	M10x1	87	4	Waag.schlitten <i>hirizontal slide</i>	TRAUB A15-20-25-36-42-60
V724.610	31	29	1					V726.710	M12x1	96	3	Senkr.schlitten <i>vertical slide</i>	TRAUB TB 30-42-60
V724.710	74	28	1					V726.720	M25x3 N.B.1	121		Waag.schlitten <i>hirizontal slide</i>	TRAUB TB 30-42-60
								V726.721	Verzahnung <i>gearing</i>			f. Schraube - <i>screw</i> Nr.726,720	TRAUB TB 30-42-60

Schnecken und Schneckenräder

Worms and Worm Wheels



Schnecken - worms						Schneckenräder - worm wheels						Maschine machine
Bestell-Nr. order-no.	d	D	L	R/L	Bild	Bestell-Nr. order-no.	d	D	H	R/L	Bild	
V520.001		30	584	Dx-Sx	1	V522.001D	30	114	100	Dx	4	TRAUB TD16-26-36
						V522.001S	30	114	100	Sx	4	TRAUB TD16-26-36
						V522.002D	56	114	22	Dx	5	TRAUB TD16-26-36
						V522.002S	56	114	22	Sx	5	TRAUB TD16-26-36
V520.101	20	40	60	Dx	2	V522.101	25	96	48	Dx	6	TRAUB A15-20-25
V520.601	25	43,8	95	Dx	2	V522.601	35	122	30	Dx	7	TRAUB A36-42-60
V520.601	25	43,8	95	Dx	2	V522.701	35	122	52	Dx	6	TRAUB TB30-42-60
V520.701	25	43,8	95	Sx	2	V522.702	35	122	52	Sx	6	TRAUB TB30-42-60

Zahnräder

Gear Wheels

TRAUB A-15-20-25

Bestell-Nr. order-no.	Z	Mod	d	H
V530.025	25			
V530.035	35			
V530.040	40			
V530.045	45			
V530.050	50	1,25	22	16
V530.075	75			
V530.080	80			
V530.090	90			
V530.100	100			

TRAUB TD 16-26-36

Bestell-Nr. order-no.	Z	Mod	d	H
V531.026	26			
V531.031	31			
V531.033	33			
V531.036	36			
V531.039	39			
V531.042	42			
V531.048	48	1,25	16	16
V531.060	60			
V531.066	66			
V531.069	69			
V531.072	72			
V531.074	74			
V531.077	77			
V531.082	82			

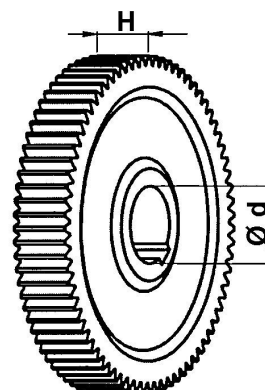
TRAUB A 36-42-60

V534.025	25			
V534.035	35			
V534.040	40			
V534.045	45			
V534.050	50	1,25	22	18
V534.075	75			
V534.080	80			
V534.090	90			
V534.100	100			
V538.036	36			
V538.039	39			
V538.043	43			
V538.047	47			
V538.050	50			
V538.066	66	1,25	30	18
V538.083	83			
V538.099	99			
V538.102	102			
V538.106	106			
V538.110	110			
V538.113	113			

Wechselräder für Spindelgeschwindigkeit

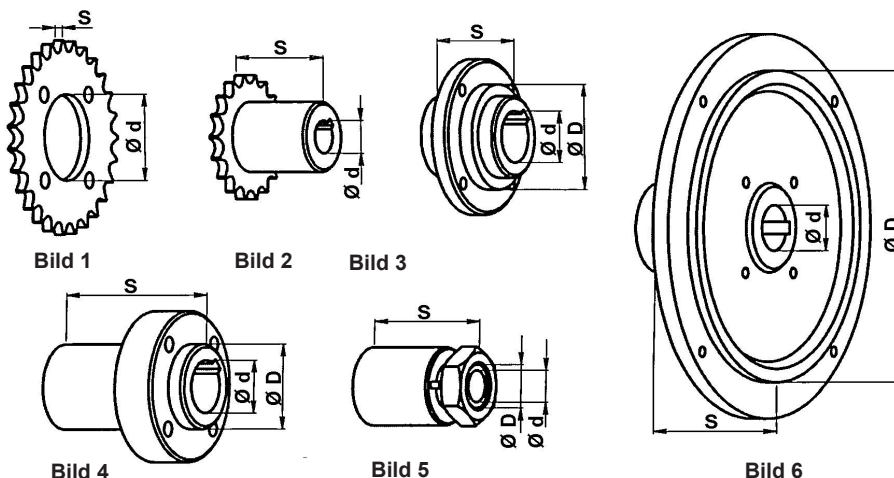
TRAUB TD 16-26-36

Bestell-Nr. order-no.	Z	H
V528.084	84	
V528.080	80	
V528.076	76	
V528.072	72	16
V528.067	67	
V528.063	63	
V528.058	58	
V529.027	27	
V529.031	31	
V529.035	35	
V529.039	39	18
V529.044	44	
V529.048	48	
V529.053	53	



**Kettenräder, Flansche,
 Ketten und Kühlmittelpumpen**

**Chain Wheels, Flanges,
 Chains and Water Pumps**



Kettenräder - chain wheels					Aufnahmeflansche - flange					Anwendung application	Maschine machine
Bestell-Nr. order-no.	Z. zahl no. of teeth	d	S	Bild	Bestell-Nr. order-no.	D	d	S	Bild		
V550.110	Z 65	150	3,5	1	V552.110	150	22	48	6	Transmission <i>transmission</i>	TRAUB A 15-20-25
V550.120	Z 45	75	3,5	1	V678.100					Kupplung <i>transmission</i>	
V550.130	Z 27	45	3,5	1	V552.130	45	16	22	3	Kettenspannung <i>chain tension</i>	
V550.130	Z 27	45	3,5	1	V552.131	45	22	29	3	Transmission <i>transmission</i>	
V550.140	Z 17	20	3,5	1	V552.140	20	14	43	5	Hauptantrieb <i>main drive</i>	
V550.141	Z 17	12	22	2						Kühlmittelpumpe <i>water pump</i>	
V550.210	Z 64	37	3,5	1	V552.210	37	23	59	4	Transmission <i>transmission</i>	SAIC B 26-30
V550.120	Z 45	75	3,5	1	V678.100					Kupplung <i>transmission</i>	
V550.230	Z 27	37	3,5	1	V552.210	37	23	59	4	Transmission <i>transmission</i>	
V550.231	Z 27	33	3,5	1	V552.230	33	23	39	3	Transmission <i>transmission</i>	
V550.240	Z 17	14	43	2						Hauptantrieb <i>main drive</i>	
V550.241	Z 17	14	28	2						Kettenspannung <i>chain tension</i>	
V550.242	Z 17	14	35	2						Kühlmittelpumpe <i>water pump</i>	
V550.610	Z 65	150	5,5	1	V552.610	150	22		6	Transmission <i>transmission</i>	TRAUB A 36-42-60
V550.620	Z 45	75	5,5	1						Kupplung <i>transmission</i>	TRAUB A36-42
V550.621	Z 45	95	5,5	1	V678.600					Kupplung <i>transmission</i>	TRAUB A 60
V550.630	Z 27	45	5,5	1	V552.130	45	16	22	3	Kettenspannung <i>chain tension</i>	
V550.630	Z 27	45	5,5	1	V552.131	45	22	29	3	Transmission <i>transmission</i>	
V550.640	Z 17	25	5,5	1						Hauptantrieb <i>main drive</i>	

Kettenräder, Flansche, Ketten und Kühlmittelpumpen

Chain Wheels, Flanges, Chains and Water Pumps

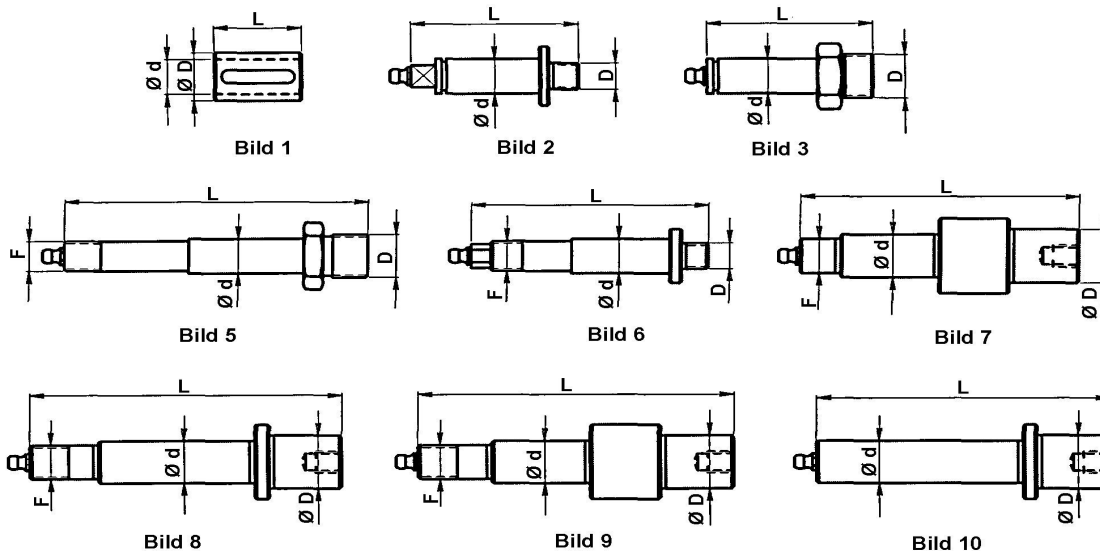
Bestell-Nr. order-no.	Ketten - chains	Maschine machine
V750.105	Ketten 4 m - <i>chains 4 m</i>	TRAUB A15-20-25 / SAIC B26-30
V750.106	Kettenschloss - <i>chain coupling</i>	TRAUB A15-20-25 / SAIC B26-30
V750.106B	Ersatzkettenglied - <i>chain link</i>	TRAUB A15-20-25 / SAIC B26-30
V750.605	Ketten 4 m - <i>chains</i>	TRAUB A36-42-60
V750.606	Kettenschloss - <i>chains 4 m</i>	TRAUB A36-42-60
V750.606B	Ersatzkettenglied - <i>chain link</i>	TRAUB A36-42-60
V560.101	Schere - <i>shear</i>	TRAUB A15-20-25
V560.601	Schere - <i>shear</i>	TRAUB A36-40-60
V560.102	Bolzen - <i>bolt</i>	TRAUB A15-20-25 / 36-42-60

Kühlmittelanlage - water pumps

V564.100	Kühlmittelpumpe, komplett - <i>water pump. complete</i>	TRAUB A15-20-25
V564.101	Zahnräder für Kühlmittelpumpe - <i>gears for water pump</i>	TRAUB A15-20-25

Zahnradachsen

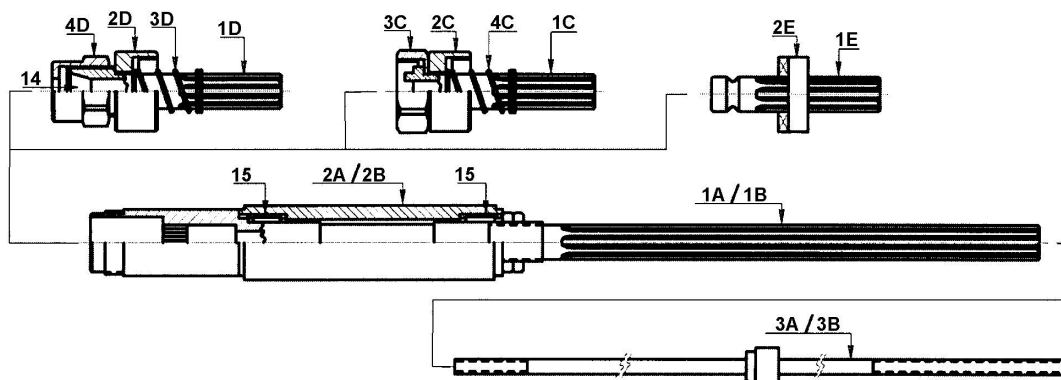
Gear Holders



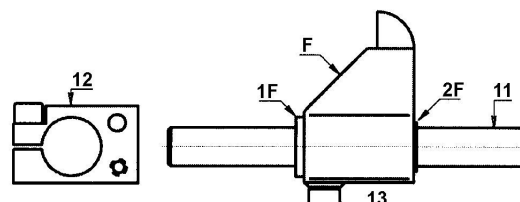
Achsen - axis						Hülsen - bushes					Maschine machine
Bestell-Nr. order-no.	D	d	L	F	Bild	Bestell-Nr. order-no.	D	d	L	Bild	
V554.101	M12x1,75	16	69		2	V556.101	22	16	36	1	TRAUB A15-20-25
V554.102	M20x1,5	16	68		3	V556.102	22	16	38	1	TRAUB A15-20-25
V554.103	M20x1,5	16	90		3	V556.103	22	16	62	1	TRAUB A15-20-25
V554.601	M12x1,75	16	99	M14x2	6	V556.601	22	16	40	1	TRAUB A36-42-60
V554.602	M20x1,5	16	126	M14x2	5	V556.602	22	16	47	1	TRAUB A36-42-60
V554.603	M20x1,5	16	126	M14x2	5	V556.603	22	16	71	1	TRAUB A36-42-60
V554.701	25	20	117	16	7	V556.701	30	20	41	1	TRAUB TB30-42-60
V554.702	25	20	129	M16x2	8	V556.702	30	20	55	1	TRAUB TB30-42-60
V554.701B	25	20	130	M16x2	9	V556.701	30	20	41	1	TRAUB TB30-42-60
V554.702B	25	20	121		10	V556.702	30	20	55	1	TRAUB TB30-42-60

**Gewindeschneidapparat
 für TRAUB A15-20-25**

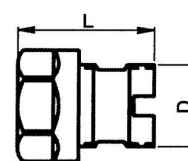
**Thread Cutting Device
 for TRAUB A15-20-25**



Bestell-Nr. order-no.	Bezeichnung description	Nr.
V570.101	Keilwelle (kurze Ausführung) - <i>spline (short)</i>	1A
V571.101	Hülse für Keilwelle 1A - <i>bush for spline 1A</i>	2A
V570.102	Keilwelle (lange Ausführung) - <i>spline (long)</i>	1B
V571.102	Hülse für Keilwelle 1B - <i>bush for spline 1B</i>	2B
V572.102	Anzugstange für Keilwelle 1B - <i>bar for spline 1B</i>	3B
V574.100	Schneideisenaufnahme komplett (alle Teile "C") <i>die holder complete (all parts "C")</i>	C
V574.110	Welle - <i>axle</i>	1C
V574.120	Mutter - <i>nut</i>	2C
V574.130	Anzugmutter für Schneideisenkappe <i>pull nut for die holder</i>	3C
V718.130	Feder - <i>spring</i>	4C
V576.100	Gewindebohreraufnahme komplett (alle Teile "D") <i>tap holder complete (all parts "D")</i>	D
V576.110	Welle mit Überwurfmutter 4D - <i>axle with nut 4D</i>	1D
V574.120	Anzugmutter - <i>pull nut</i>	2D
V718.130	Feder - <i>spring</i>	3D
V580.110	Schieber (komplett) - <i>feeder complete</i>	F
V580.111	Büchse - <i>bush</i>	1F
V580.112	Büchse - <i>bush</i>	2F
V580.120	Welle 20 mm - <i>axle</i>	11
V580.130	Klemmstück - <i>clamping part</i>	12
UTRA-A	Rollenbolzen mit Rollen - <i>roller bolt with roller</i>	13
V514.110	Rollenbolzen ohne Rollen - <i>roller bolt without roller</i>	13
110E	Zange - <i>collet</i>	14

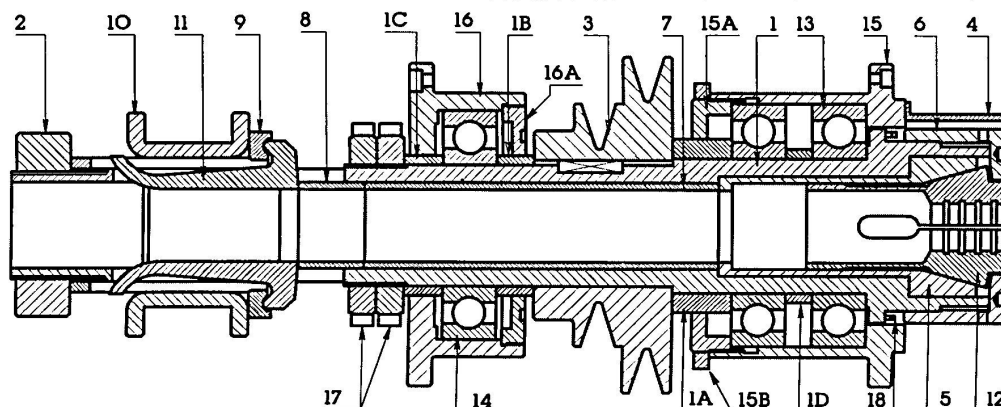


Bestell-Nr. order-no.	L	D	Zange	Maschine machine
V576.111	40	M25x1,5li	ER20	TRAUB A15-20-25



Werkstückspindel

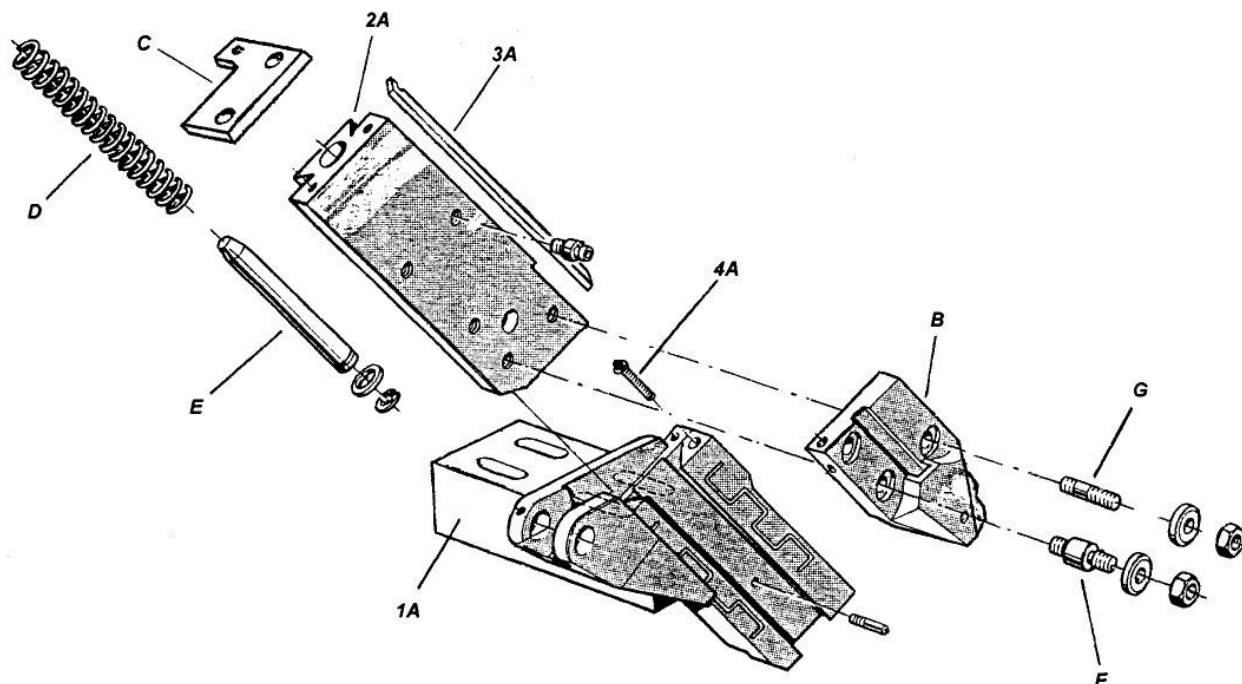
Spindle Shaft



Nr.	Bezeichnung description	Bestell-Nr. order-no. TRAUB A15	Bestell-Nr. order-no. TRAUB A20	Bestell-Nr. order-no. TRAUB A25	Bestell-Nr. order-no. TRAUB A42	Bestell-Nr. order-no. TRAUB A60
1	Spindel - <i>spindle</i>	V590.115 Spannfingerbr. <i>chuck lever</i> 9mm	V590.120	V590.125 Spannfingerbr. <i>chuck lever</i> 12mm	V590.642	V590.660
9	Spannfingerlager - <i>chuck lever bearing</i>	V080.810	V080.820	V080.831	V080.870	V078.880
10	Spannmuffe - <i>clamping joint</i>	V082.811	V082.820	V082.830	V082.870	V082.881
11	Spannfinger - <i>chuck lever</i>	V084.810	V084.830	V084.831	V084.870	V084.870
1	Spindel - <i>spindle</i>	V590.114 Spannfingerbr. <i>chuck lever</i> 10mm		V590.125B Spannfingerbr. <i>chuck lever</i> 10mm		
9	Spannfingerlager - <i>chuck lever bearing</i>	V080.811		V080.830		
10	Spannmuffe - <i>clamping joint</i>	V082.811				
11	Spannfinger - <i>chuck lever</i>	V084.830		V084.830		
1A	Zwischenbüchse - <i>bush</i>	V590.116		V590.126		
1B	Zwischenbüchse - <i>bush</i>	V590.117		V590.127		
1C	Zwischenbüchse - <i>bush</i>	V590.118		V590.128		
1D	Zwischenbüchse - <i>bush</i>	V590.119		V590.129		
2	Stellmutter - <i>adjusting nut</i>	V592.115	V592.120	V592.125	V592.642	V592.660
3	Keilriemenscheibe 13 - <i>v-belt pulley</i>	V594.115	V594.120	V594.125		
3	Keilriemenscheibe 17 - <i>v-belt pulley</i>	V594.116	V594.121	V594.126	V594.642	V594.660
4	Spritzhaube - <i>protection hood</i>			V596.125		
5	Druckhülse - <i>collet sleeve</i>	V066.810	V066.820	V066.830	V066.870	V066.880
6	Überwurfmutter - <i>cap nut</i>	V072.810	V072.820	V072.830	V072.870	V072.880
7	Druckrohr - <i>pressure tube</i>	V076.810	V076.820	V076.830	V076.870	V076.880
8	Druckrohrstück - <i>pressure tube</i>	V078.810	V078.820	V078.830	V078.870	V078.880
12	Zange - <i>collet</i>	E140	E148	E161	E173	E185
13	Rillenkugellager vorn <i>ball bearing front</i>	V716.711	V716.131	V716.130	V716.610	V716.620
14	Rillenkugellager hint. <i>ball bearing rear</i>	V716.111	V716.121	V716.131	V716.611	V716.620
15	Lagergehäuse vorn - <i>bearing box front</i>	V588.115		V588.125		
15A	Stellm.f.Rillenk. hint. <i>adjusting nut for ball bearing rear</i>	V588.115C		V588.125C		
15B	Kontermutter - <i>counter nut</i>	V588.115D		V588.125D		
16	Lagerhäuse - <i>bearing box</i>	V588.116		V588.126		
16A	Kontermutter - <i>counter nut</i>	V588.116C		V588.126C		
17	Spindelstellmutter - <i>adjusting nut</i>	V593.115	V593.120	V593.125	V593.142	V593.160
18	Labyrinthdichtung - <i>labyrinth seal</i>			V591.125	V591.642	

Senkrechtsupport für TRAUB TD16-26-36

Vertical Slider for TRAUB TD16-26-36

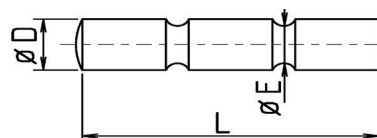


Nr.	Bezeichnung description	Bestell-Nr. order-no.	
		Vorderer Schlitten front side slider	Hinterer Schlitten back side slider
A	Vorderer Senkrechtschlitten; komplett mit allem Teilen „A“ <i>vertical slider, complete with all parts "A"</i>	600.010	600.011
1A	Schlitten-Grundkörper - <i>base body of slider</i>	600.010A	600.011A
2A	Schlitten - <i>slider</i>	600.010B	600.010B
3A	Keilleiste - <i>V-ledge</i>	600.010C	600.010C
4A	Verstellschraube für Keilleiste - <i>adjusting screw for V-ledge</i>	705.625	705.625
B	Werkzeughalter 10x10 - <i>tool holder 10x10</i>	SS TD26-10	SS TD26-10
C	Stirnplatte - <i>front plate</i>	600.030A	600.030P
D	Feder - <i>spring</i>	718.710	718.710
E	Federführungsbolzen - <i>spring guiding bolt</i>	738.010	738.010
F	Schwenbolzen für Werkzeughalter - <i>bolt for tool holder</i>	738.011	738.011
G	Spannbolzen für Werkzeughalter - <i>clamping bolt for tool holder</i>	738.012	738.012
B*	Werkzeughalter 12x12 - <i>tool holder 12x12</i>	SS TD26-12	SS TD26-12

**Scherstift für Vorschubgetriebe
für TRAUB TD 16-26-36**

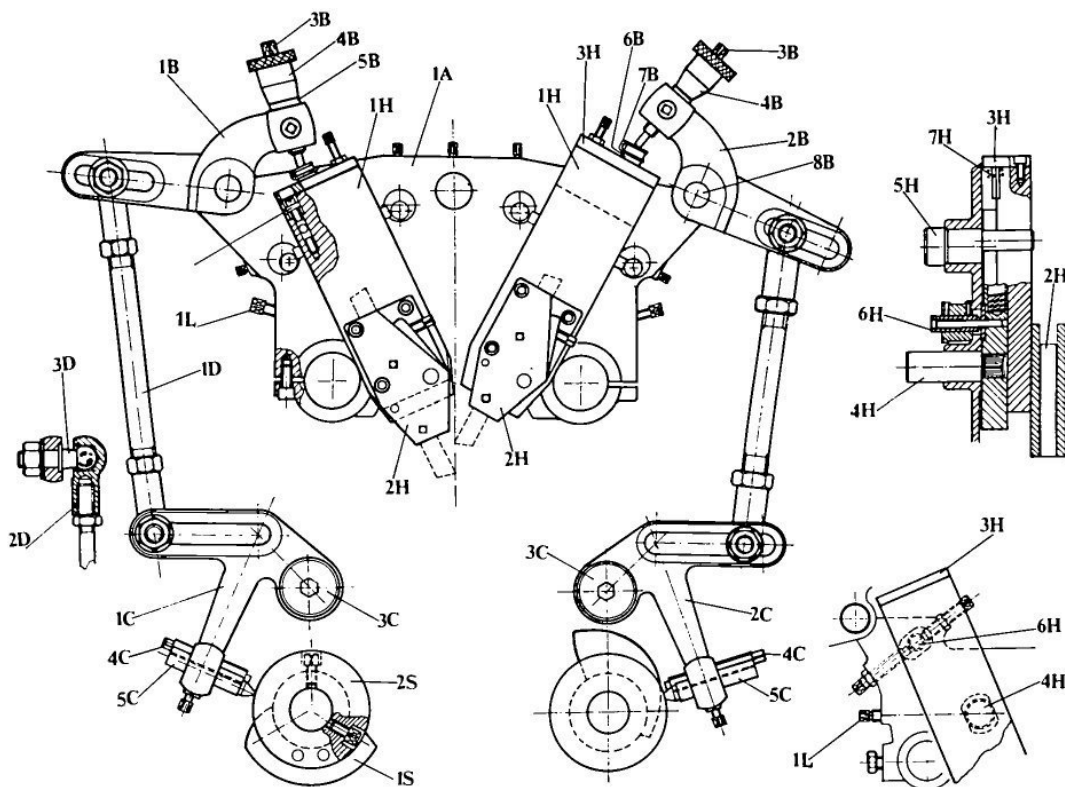
**Shear Splint for Feed Gear
for TRAUB TD 16-26-36**

Bestell-Nr. order-no.	D	L	E
SSTD691.055	4	32	2
SSTD691.056	4	32	2,2
SSTD691.057	4	32	2,5



Senkrechtsupport

Vertical Slider



Nr.	Bezeichnung description	Bestell-Nr. order-no. TRAUB A 15-20-25	Bestell-Nr. order-no. TRAUB A 36-42-60
1A	Supportkörper - <i>body, support</i>	V610.101	V610.601
B	Hebel vorn komplett „B” - <i>lever, front, complete "B"</i>	V612.100	V612.600
B	Hebel hinten komplett „S” - <i>lever rear, compl. "B"</i>	V612.110	V612.610
1B	Hebel vorn - <i>lever, front</i>	V612.101	V612.601
2B	Hebel hinten - <i>lever, rear</i>	V612.111	V612.611
3B	Schaftschraube - <i>pole screw</i>	V726.610	V726.610
4B	Skalentrommel - <i>scale drum</i>	V724.610	V724.610
5B	Skalenring - <i>scale ring</i>	V724.611	V724.611
6B	Druckscheibe - <i>pressure washer</i>	V728.101	V728.101
7B	Feder - <i>spring</i>	V720.101	V720.101
8B	Bolzen - <i>bolt</i>	V736.101	V736.601
9B	Klemmschraube für Nonius - <i>clamping screw for nonius</i>	V708.620	V708.626
10B	Bronzescheibe - <i>bronze washer</i>	V728.901	V728.901
C	Hebel vorn komplett „C” - <i>lever, front, complete "C"</i>	V614.100	V614.600
C	Hebel hinten komplett „C” - <i>lever rear, compl. "C"</i>	V614.110	V614.610
1C	Hebel vorn - <i>lever front</i>	V614.101	V614.601
2C	Hebel hinten - <i>lever rear</i>	V614.111	V614.611
3C	Hebelachse - <i>lever axle</i>	V736.102	V736.602
4C	Vierkantschraube - <i>square screw</i>	V708.756	V708.860
5C	Kurvenbolzen - <i>cam disk bolt</i>	V512.101	V512.601
6C	Klemmschraube für Kurvenbolzen - <i>clamping screw</i>	V708.620	V708.824

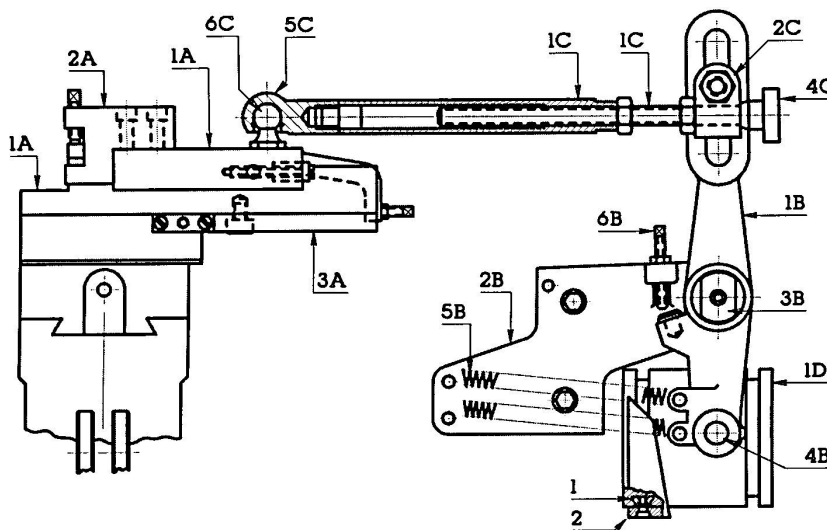
Senkrechtsupport

Vertical Slider

Nr.	Bezeichnung description	Bestell-Nr. order-no. TRAUB A 15-20-25	Bestell-Nr. order-no. TRAUB A 36-42-60	Bestell-Nr. order-no. TRAUB TB 30-42-60
D	Schubstange komplett „D“ - <i>connecting rod complete "D"</i>	V616.100	V616.600	
1D	Schubstange - <i>connecting rod</i>	V616.101	V616.601	
2D	Winkelgelenk - <i>angle joint</i>	V734.110	V734.610	
3D	Kugelzapfen - <i>ball pin</i>	V734.111	V734.611	
4D	Kontermutter - <i>counter nut</i>	M10x1,5	M14x1,5	
H	Schlitten komplett „H“ - <i>slider complete "H"</i>	V600.100	V600.600	V600.700
1H	Schlitten vorn und hinten - <i>slider back and front</i>	V600.110	V600.610	V600.710
2H	Stahlhalter vorn und hinten - <i>steel holder back and front</i>	V600.120	V600.620	V600.620
3H	Druckplatte - <i>pressure plate</i>	V600.130	V600.630	V600.730
4H	Bolzen - <i>bolt</i>	V600.140	V600.640	
5H	Bolzen - <i>bolt</i>	V600.150	V600.650	V600.750
6H	Bolzen - <i>bolt</i>	V600.160	V600.160	
7H	Bolzen f. Feder - <i>bolt for spring</i>	V738.131	V738.131	
8H	Feder - <i>spring</i>	V718.110	V718.650	V718.710
9H	Stellschraube - <i>adjustable screw</i>	V705.625	V705.625	V705.625
1L	Vierkantschraube - <i>square screw</i>	V750.120	V750.620	
1S	Kurve - <i>cam disk</i>	V422.101	V422.601	V422.701
2S	Kurventräger - <i>tighten up cam</i>	V500.102	V500.602	V500.701

Langdreheinrichtung

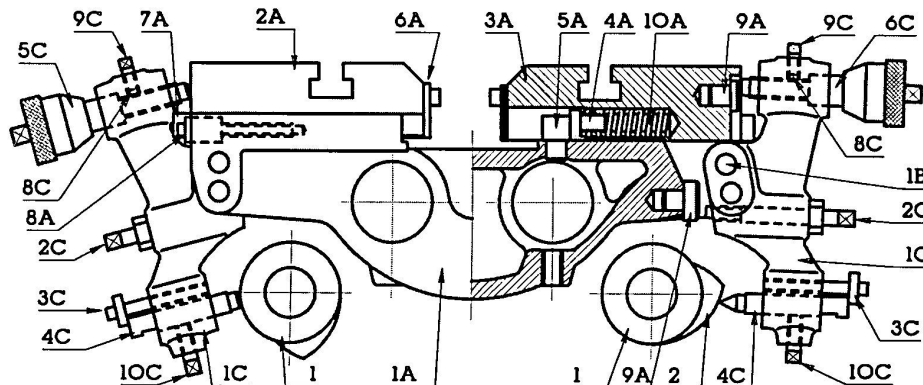
Plain Turning Slider



Nr.	Bezeichnung description	Bestell-Nr. order-no. TRAUB A 15-20-25	Bestell-Nr. order-no. TRAUB A 36-42-60	Bestell-Nr. order-no. TRAUB TB 30-42-60
A	Langdreheinrichtung vorn, komplett Teile „A“ <i>plain turning slider, complete parts "A"</i>	V620.110	V620.610	V620.710
1A	Schlitten - <i>slider</i>	V620.111	V620.611	V620.711
2A	Stahlhalter - <i>steel holder</i>	V620.112	V620.612	V620.712
3A	Führung - <i>guidance</i>		V620.613	
B	Hebel komplett Teile „B“ - <i>slider</i>	V624.100	V624.600	V624.700
1B	Hebel - <i>lever</i>	V624.101	V624.601	V624.701
2B	Lagerbock - <i>gear block</i>	V624.102	V624.602	V624.702
3B	Bolzen - <i>bolt</i>	V736.107	V736.107	V736.707
4B	Kurvenbolzen - <i>cam bolt</i>	V514.100	V514.600	UTRA-TB
5B	Zugfeder - <i>tension spring</i>	V719.102	V719.602	V716.711
6B	Vierkantschraube - <i>square screw</i>	V708.756	V708.860	
7B	Federhaltebolzen - <i>bolt for spring</i>	V738.120	V738.610	
C	Schubstange komplett „C“ - <i>push rod complete "C"</i>	V622.100	V622.600	V622.700
1C	Zwischenstück - <i>adapter</i>	V622.101	V622.601	
2C	Kugelpfanne - <i>socket joint</i>	V734.120	V736.620	
3C	Klemmstück - <i>clamping piece</i>	V734.130		
4C	Skalenschraube - <i>scale screw</i>	V724.610	V724.610	
5C	Winkelgelenk - <i>angle joint</i>	V734.110	V734.610	
6C	Kurvenzapfen - <i>cam pin</i>	V734.111	V734.611	
1D	Kurventräger - <i>tighten up cam</i>	V506.101	V506.601	V502.701
1	Nutenstein - <i>sliding block</i>		V510.601	V510.701
2	Kurve - <i>cam disk</i>	V430.101	V430.601	V433.601
3	Justierschraube für 4 - <i>adjusting screw</i>	V620.113		
4	Konisches Lineal - <i>V-ledge</i>	V620.114		

Wippe

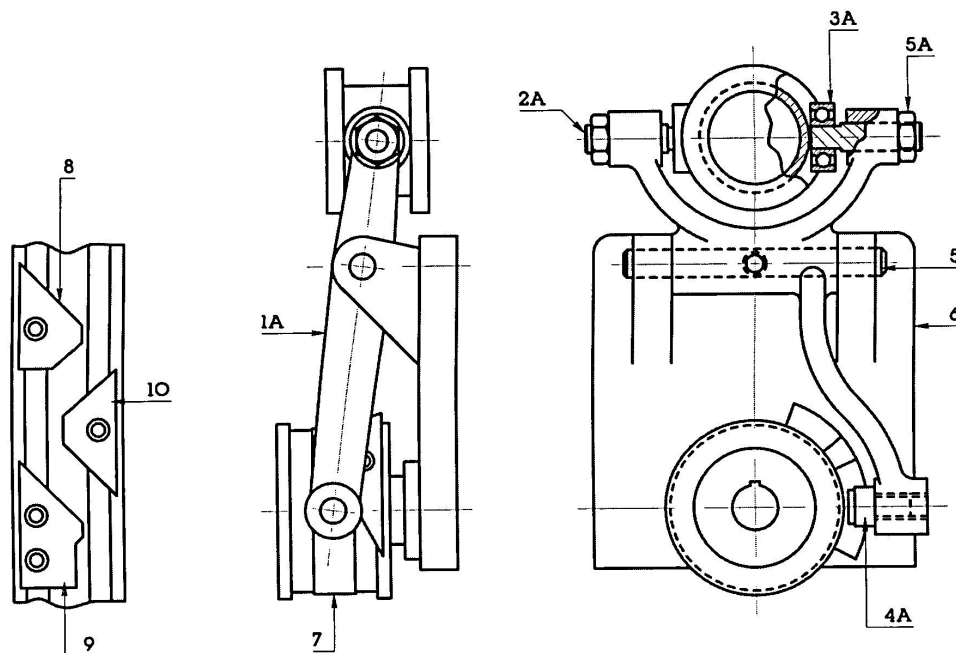
Crosswise Slider



Nr.	Bezeichnung description	Bestell-Nr. order-no. TRAUB A 15-20-25	Bestell-Nr. order-no. TRAUB A 36-42-60	Bestell-Nr. order-no. TRAUB TB 30-42-60
	Quersupport Teile „A“, „B“, „C“ <i>crosswise slider parts "A", "B", "C"</i>	V630.100		
A	Quersupport komplett Teile „A“ <i>crosswise slider parts "A"</i>	V630.101		
1A	Träger - <i>bearing</i>	V630.101B		
2A	Schlitten - <i>slider</i>	V630.103		
3A	Schlitten - <i>slider</i>	V630.104		
4A	Bolzen - <i>bolt</i>	V738.131		
5A	Anschlagbolzen - <i>stop bolt</i>	V738.130		
6A	Abdeckblech - <i>cover sheet</i>	V750.150		
7A	Keilleiste - <i>V-ledge</i>	V750.160A		
7A	Keilleiste - <i>V-ledge</i>	V750.160P		
8A	Stellschraube - <i>adjustable screw</i>	V705.626	V705.626	V705.626
9A	Anschlagbolzen - <i>sliderstop bolt</i>	V728.110	V728.110	V728.110
10A	Druckfeder - <i>pressure spring</i>	V718.110	V718.610	V718.610
1B	Kurvenhebelachse - <i>axle for cam lever</i>	V736.103	V736.603	V736.603
C	Kurvenhebel komplett - <i>cam lever complete</i>	V632.100	V632.600	V632.610
1C	Kurvenhebel - <i>cam lever</i>	V632.101	V632.601	V632.611
2C	Vierkantschraube - <i>square screw</i>	V708.776	V708.895	V632.607
3C	Stellschraube - <i>adjusting screw</i>	V713.650	V713.650	V713.650
4C	Kurvenbolzen - <i>cam bolt</i>	V512.101	V512.601	V512.601
5C	Skalentrommel - <i>scale drum</i>	V724.610	V724.610	V724.610
6C	Skalenhülse - <i>scale brush</i>	V724.611	V724.611	V724.611
7C	Schaftschraube - <i>pole screw</i>	V726.620	V726.620	V726.620
8C	Messingschraube Drm.5 - <i>brass screw</i>	V728.901	V728.901	V728.901
9C	Klemmschraube f. Nonius - <i>clamping screw for nonius</i>	V708.617	V708.617	V708.617
10C	Klemmschraube f. Kurvenbolzen <i>clamping screw for cam bolt</i>	V708.726	V708.824	V708.824
1	Kurventräger - <i>tighten up cam</i>	V500.101	V500.601	V500.601
2	Kurven - <i>cam disks</i>	V421.101	V421.601	V421.601
3	Zum Festsetzen des Seitenschlittens - <i>clamping part</i>	V750.110	V750.110	V750.110

Zangenspanneinrichtung

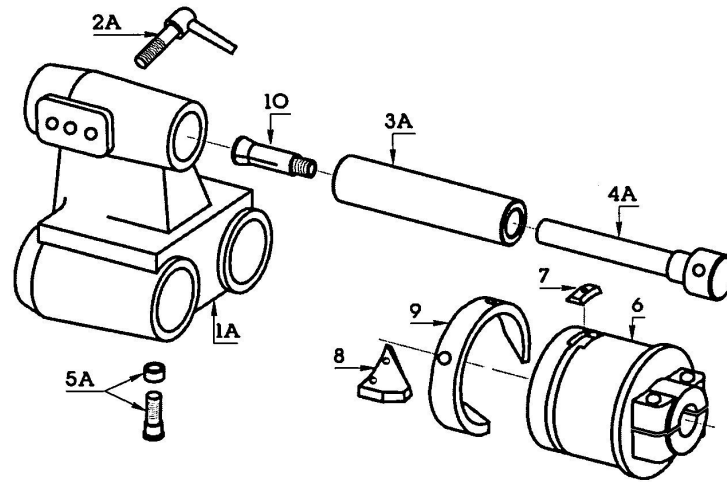
Open-Close Collet Device



Nr.	Bezeichnung description	Bestell-Nr. order-no. TRAUB A 15-20-25	Bestell-Nr. order-no. TRAUB A 36-42	Bestell-Nr. order-no. TRAUB A 60	Bestell-Nr. order-no. TRAUB TB 30-42	Bestell-Nr. order-no. TRAUB TB 60
A	Werkstoffspannung komplett Teile „A“ material clamping complete parts "A"	V640.100	V640.600	V640.610	V640.700	V640.710
1A	Spannhebel - <i>clamping lever</i>	V640.101	V640.601	V640.611	V640.701	V640.711
2A	Exzenterbolzen - <i>eccentric bolt</i>	V730.101	V730.601	V730.601	V730.701	V730.701
3A	Kugellager - <i>ball bearing</i>	V716.102	V716.601	V716.601	V716.701	V716.701
4A	Rollenbolzen komplett - <i>roller bolt complete</i>	V514.120	UTRA-TA	UTRA-TA	UTRA-TB	UTRA-TB
5A	Kontermutter - <i>counter nut</i>	M12x1	M16x1	M16x1	M16x1	M16x1
5	Bolzen - <i>bolt</i>	V736.104	V736.604	V736.604	V736.604	V736.604
6	Deckel - <i>top cover</i>	V642.101	V642.601	V642.601	v642.701	V642.701
7	Spannkurventrommel - <i>clamping cam drum</i>	V508.101	V508.601	V508.601	V508.701	V508.701
8	Kurvenstück - <i>cam disk part</i>	V439.101	V439.601	V439.601	V439.701	V439.701
9	Kurvenstück - <i>cam disk part</i>	V439.102	V439.602	V439.602	V439.702	V439.702
10	Kurvenstück - <i>cam disk part</i>	V439.103	V439.603	V439.603	V439.703	V439.703
	Spannkurvensatz komplett <i>clamping cam set complete</i>	V439.100	V439.600	V439.600	V439.700	V439.700

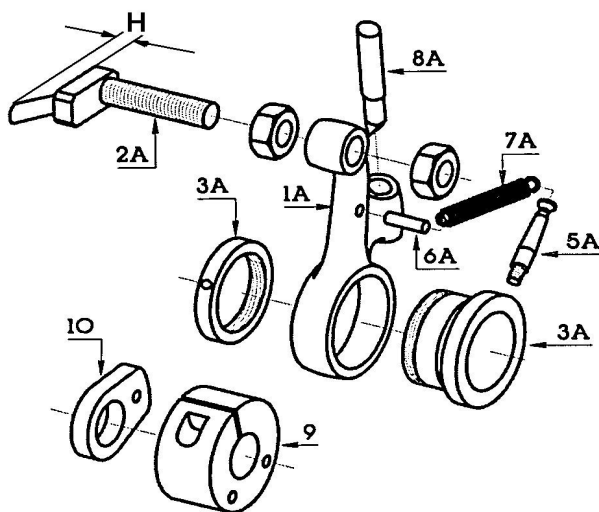
Bohrreitstock

Tailstock



Nr.	Bezeichnung description	Bestell-Nr. order-no. TRAUB A 15-20-25	Bestell-Nr. order-no. TRAUB A 36-42-60	Bestell-Nr. order-no. TRAUB TB 30-42-60
A	Bohrreitstock komplett Teile „A“ <i>bore tail stock complete parts "A"</i>	V650.100	V650.600	V650.700
1A	Bohrreitstock mit Hebel - <i>bore tail stock with lever</i>	V650.101	V650.601	V650.701
2A	Klemmhebel - <i>clamping lever</i>	V650.102	V650.602	
3A	Pinole - <i>quill</i>	V374.101	V374.601	V374.601
4A	Anzugsstange - <i>clamping pole</i>	V376.101	V376.601	V376.601
5A	Rollenbolzen komplett - <i>roller bolt</i>	V514.121	V514.611	V514.720
6	Kurventrommel - <i>cam drum</i>	V502.101	V502.601	V502.701
7	Nutenstein - <i>sliding block</i>	V510.101	V510.601	V510.601
8	Rückzugkurve - <i>pull back cam</i>	V437.101	V437.601	V437.601
9	Bohrkurve - <i>bore cam</i>	V433.101	V433.601	V433.601
10	Zange - <i>collet</i>	324E	363E	363

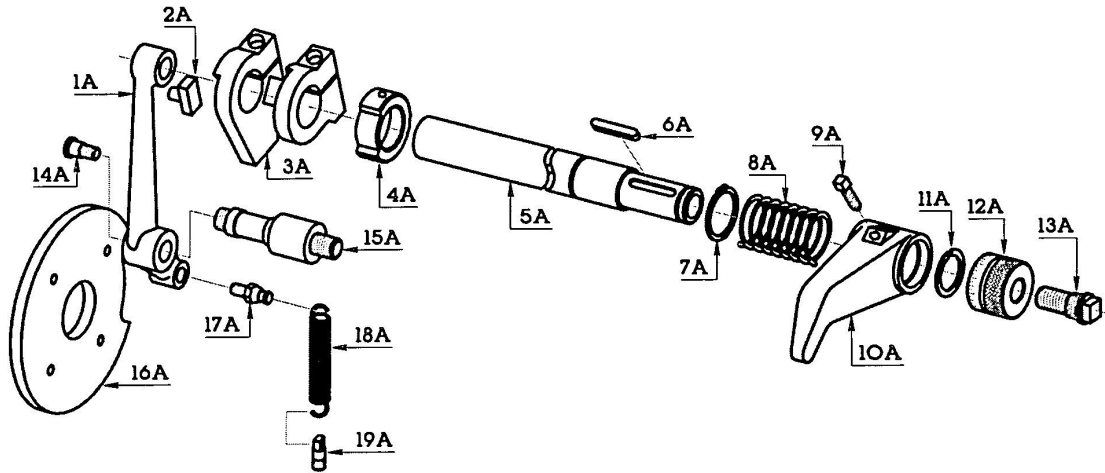
Schwinganschlag
 für TRAUB A 15-20-25-36-42-60

Stop Device
 for TRAUB A 15-20-25-36-42-60


Nr.	Bezeichnung description	Bestell-Nr. order-no. TRAUB A 15-20-25	Bestell-Nr. order-no. TRAUB A 36-42-60
A	Anschlag komplett gerade - <i>straight bedstop, complete</i>	V660.100	V660.600
A	Anschlag komplett gebogen - <i>bent bedstop, complete</i>	V660.110	
1A	Hebel gerade - <i>straight lever</i>	V660.101	V660.601
1A	Hebel gebogen - <i>bent lever</i>	V660.111	
2A	Anschlaghebel - <i>stop lever</i>	V662.101	V662.601
	kurze Ausführung: H = 20 mm - <i>short version</i>		
2A	Anschlaghebel - <i>stop lever</i>	V662.101B	
	lange Ausführung: H = 30 mm - <i>short version</i>		
3A	Führungsbüchse - <i>guiding bush</i>	V664.101	V664.601
5A	Bolzen - <i>bolt</i>	V738.101	V738.101
6A	Bolzen - <i>bolt</i>	V738.110	V738.610
7A	Feder - <i>spring</i>	V719.101	V719.601
8A	Kurvenbolzen - <i>cam bolt</i>	V512.101	V512.601
9	Kurvenhalter - <i>cam holder</i>	V500.101	V500.601
10	Anschlagkurve - <i>stop cam</i>	V420.101	V420.601
11	Bundmutter - <i>nut</i>	V664.102	V664.602

Schwinganschlag
 für TRAUB TB 30-42-60

Vertical Stop Device
 for TRAUB TB 30-42-60

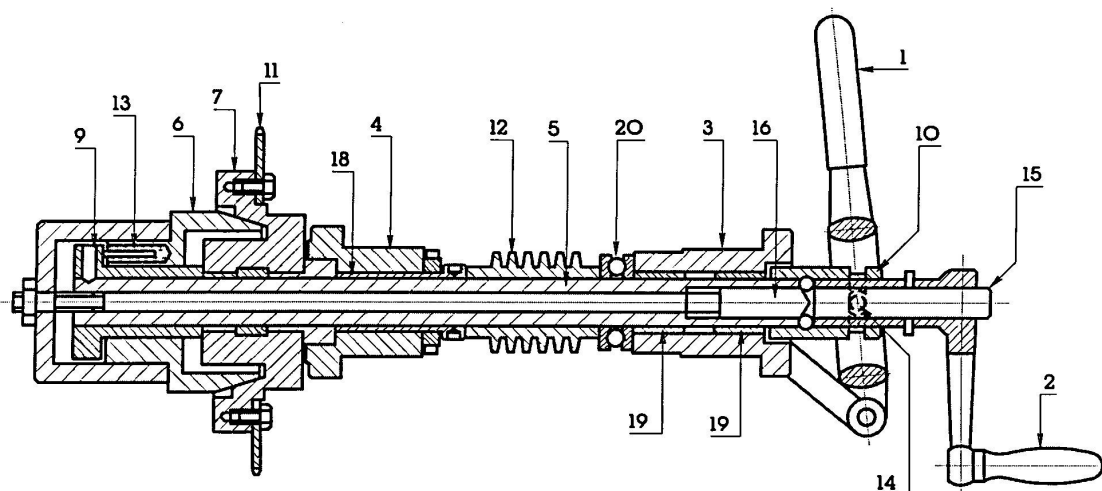


Nr.	Bezeichnung description	Bestell-Nr. order-no.
A	Schwinganschlag komplett <i>vertical stop device complete</i>	V660.700
1A	Steuerhebel - <i>control lever</i>	V660.701
2A	Gleitstück - <i>sliding piece</i>	V728.701
3A	Klemmstück - <i>clamping piece</i>	V660.702
4A	Anschlagring - <i>stop ring</i>	V660.704
5A	Welle - <i>spindle</i>	V660.703
6A	Paßfeder - <i>feather key</i>	
7A	Seegerring Dm.30 - <i>Seeger-ring</i>	
8A	Feder - <i>spring</i>	V718.701
9A	Klemmschraube - <i>clamping screw</i>	V708.830

Nr.	Bezeichnung description	Bestell-Nr. order-no.
10A	Anschlag - <i>bed stop</i>	V662.701
11A	Federring - <i>washer spring</i>	V720.710
12A	Skalierschraube - <i>scale screw</i>	V724.701
13A	Stellschraube - <i>adjusting screw</i>	V726701
14A	Kurvenrolle - <i>cam roller</i>	UTRA-A
15A	Welle f. Steuerhebel - <i>spindle for control lever</i>	V660.705
16A	Kurve - <i>cam disk</i>	V420.701
17A	Bolzen f. Feder - <i>bolt for spring</i>	V738.702
18A	Rückholfeder - <i>retaining spring</i>	V719.701
19A	2. Bolzen f. Feder - <i>2. bolt for spring</i>	V738.701

Schneckenwelle

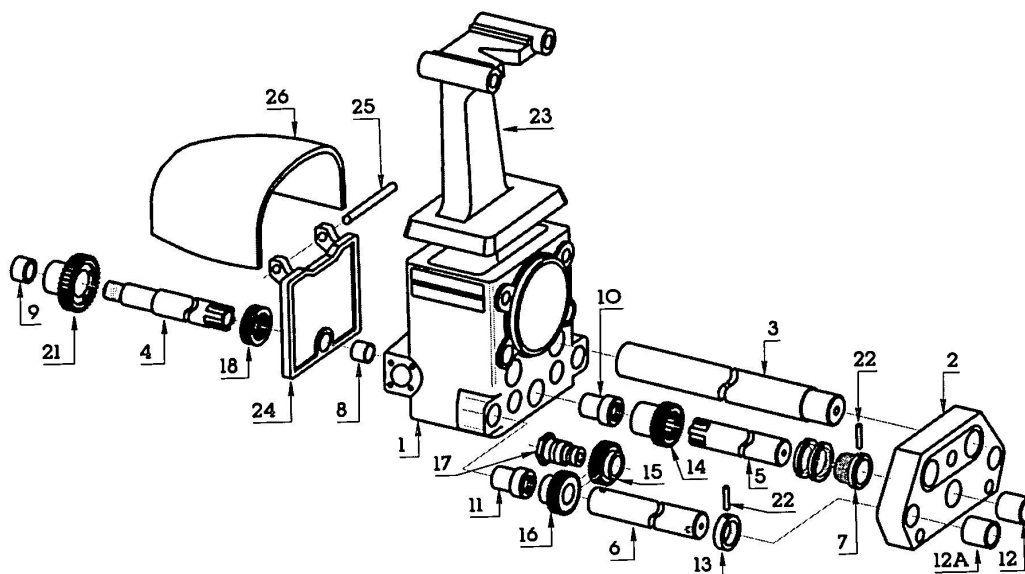
Friction Group



Nr.	Bezeichnung description	Teilezahl	Bestell-Nr. order-no. TRAUB A 15-20-25	Bestell-Nr. order-no. TRAUB A 36-42-60
1	Kupplungshebel - <i>clutch lever</i>	1	V670.101	V670.601
2	Kurbel - <i>crank</i>	1	V672.101	V672.601
3	Lager - <i>bearing</i>	1	V674.101	
4	Lager - <i>bearing</i>	1	V674.102	
5	Hohlwelle - <i>tubular spindle</i>	1	V676.101	V676.601
6-7	Kupplungskegel und Schieber <i>clutch cone and feeder</i>	1	V678.100	V678.600
8	Abschlußkappe - <i>top cap</i>	1	V678.103	V678.603
9	Bundbüchse - <i>shouldered bush</i>	1	V678.104	V678.604
10	Schiebemuffe - <i>sliding sleeve</i>	1	V678.105	V678.605
11	Zahnkranz - <i>gear ring</i>	1	V550.120	V550.620 (A36-42)
11	Zahnkranz - <i>gear ring</i>	1		V550.621 (A60)
12	Schnecke - <i>worm</i>	1	V520.101	V520.601
13	Druckfeder - <i>pressure spring</i>	4	V718.140	V718.640
14	Gleitstück - <i>sliding block</i>	2	V728.120	V728.620
15	Bolzen - <i>bolt</i>	1	V736.106	V736.606
16	Bolzen - <i>bolt</i>	1	V750.102	
18	Nadellager - <i>needle bearing</i>	1	V714.120	V714.620
19	Nadellager - <i>needle bearing</i>	1	V714.121	V714.621
20	Axial Rillenkugellager - <i>thrust ball bearing</i>	1	V715.110	V715.610
21	Kugeln - <i>balls</i>	3	Ø8	Ø10

Aufbauten für TRAUB

Sliding Head Stock - Cam Shaft Holder



Nr.	Bezeichnung description	Bestell-Nr. order-no. TRAUB A 15-20-25	Bestell-Nr. order-no. TRAUB A 36-42-60
1			
2			
3	Führungswelle - <i>guide shaft</i>	V684.101	V684.601
4	Welle - <i>spindle</i>	V686.101	V686.601
5	Steuerwelle Mitte - <i>control shaft middle</i>	V686.110	V686.610
6	Steuerwelle Vorne - <i>control shaft front</i>	V686.120	V686.620
7	Büchse - <i>bush</i>	V750.116	
8	Büchse - <i>bush</i>	V690.101	
9	Zwischenbüchse - <i>intermediate bush</i>	V690.110	V690.610
10	Lagerbüchse - <i>bearing bush</i>	V690.120	V690.620
11	Lagerbüchse - <i>bearing bush</i>	V690.120	V690.621
12	Lagerbüchse - <i>bearing bush</i>	V690.130	V690.630
12A	Lagerbüchse - <i>bearing bush</i>	V690.130	V690.631
13	Stellring - <i>adjusting ring</i>	V750.115	
14	Zahnrad - <i>gear-wheel</i>	V692.110	V692.610
15	Zahnrad - <i>gear-wheel</i>	V692.120	V692.620
16	Zahnrad - <i>gear-wheel</i>	V692.121	V692.621
17	Zwischenradbolzen - <i>intermediate bolt</i>	V694.101	V694.601
17B	Zwischenradbolzen - <i>intermediate bolt</i>	V694.102	V694.602
18	Axial Rillenkugellager - <i>ball bearing</i>	V715.610	V715.621
18A	Axial Rillenkugellager - <i>ball bearing</i>		V715.621
19	Axial Rillenkugellager - <i>ball bearing</i>		V715.620
21	Schneckenrad - <i>worm wheel</i>	V522.101	V522.601
22	Spiralstift - <i>spiral pin</i>	V750.030	
23	Deckel - <i>top cap</i>	V681.101	
24	Deckel - <i>top cap</i>	V642.101	V642.601
25	Bolzen - <i>bolt</i>	V736.104	V736.604
26	Schutzhaube - <i>protecting cover</i>	679.101	

Schutzhaube für TRAUB A 25

Protection for TRAUB A 25

Befestigung (Paar) für vordere und hintere Schutzhaube
fixing (pair) for front and rear protection

Bestell-Nr.
order-no.

V756.101

(1) Vordere Schutzhaube - *protection, front*

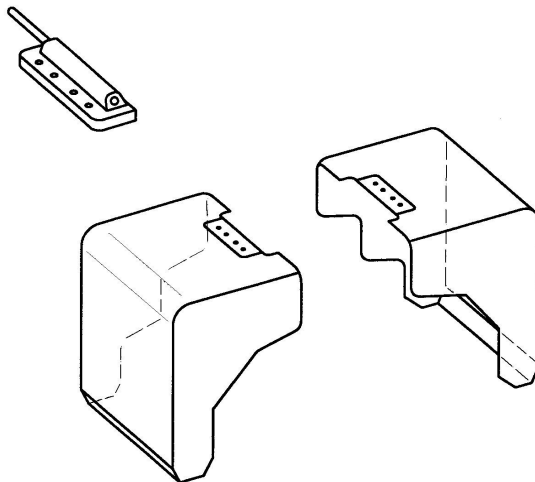
Bestell-Nr.
order-no.

V764.101A

(2) Hintere Schutzhaube - *protection rear*

Bestell-Nr.
order-no.

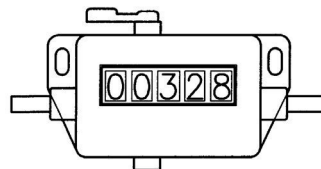
V764.101P



Stückzähler

Revolution Counters

Bestell-Nr. <i>order-no.</i>	Funktion <i>function</i>
V767.102	Mit 5 Ziffern, rechts durch Drehung betätigt <i>with 5 figures, actuated by rotation on the right</i>
V767.103	Mit 5 Ziffern, rechts durch Stoß betätigt <i>with 5 figures, actuated by shock on the right</i>
V767.104	Mit 5 Ziffern, links durch Drehung betätigt <i>with 5 figures, actuated by rotation on the left</i>
V767.105	Mit 5 Ziffern, links durch Stoß betätigt <i>with 5 figures, actuated by shock on the left</i>



Wellen und Dorne für Traub

Pins for Levers and Water Pumps

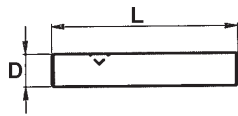


Bild 1

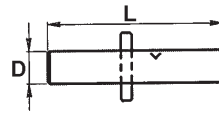


Bild 3

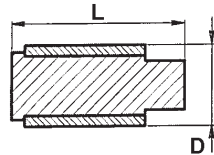


Bild 2

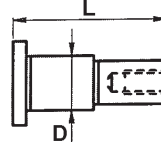


Bild 4

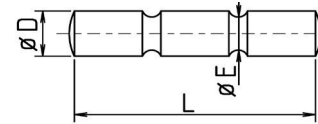


Bild 5

Bestell-Nr. order-no.	D	L	Bild	Für Maschinenteil for machine part	Maschine machine
V736.101	12	70	1	Oberer Hebel für Senkrechtschlitten - <i>upper lever for vertical slide</i>	TRAUB A 15-20-25
V736.102	30	65	2	Unterer Hebel für Senkrechtschlitten - <i>lower lever for vertical slide</i>	TRAUB A 15-20-25
V736.103	10	83	1	Hebel für Wippe - <i>lever for crosswise slider</i>	TRAUB A 15-20-25
V736.104	12	110	1	Zangenschließeinrichtung - <i>open close collet device</i>	TRAUB A 15-20-25
V736.106	12	66	3		TRAUB A 15-20-25
V736.108	20	57	4	Langdreheinrichtung - <i>plain turning slider</i>	TRAUB A 15-20-25
V736.108A	12	65	1	Wasserpumpe - <i>water pump</i>	TRAUB A 15-20-25
V736.109	12	131	1	Wasserpumpe - <i>water pump</i>	TRAUB A 15-20-25
V736.601	18	95	1	Oberer Hebel für Senkrechtschlitten - <i>upper lever for vertical slide</i>	TRAUB A 36-42-60
V736.602	28	63	4	Unterer Hebel für Senkrechtschlitten - <i>upper lever for vertical slide</i>	TRAUB A 36-42-60
V736.603	16	104	1	Hebel für Wippe - <i>lever for crosswise slider</i>	TRAUB A 36-42-60
V736.604	18	135	1	Zangenspanneinrichtung - <i>open close collet device</i>	TRAUB A 36-42-60
V736.707	25	83	1	Langdreheinrichtung - <i>plain turning slider</i>	TRAUB A 36-42-60
SSTD691.055	4	32	5	Scherstift für Vorschubgetriebe - <i>pin for feed gear</i> E = 2	TRAUB TD 16-26-36
SSTD691.056	4	32	5	Scherstift für Vorschubgetriebe - <i>pin for feed gear</i> E = 2,2	TRAUB TD 16-26-36
SSTD691.057	4	32	5	Scherstift für Vorschubgetriebe - <i>pin for feed gear</i> E = 2,5	TRAUB TD 16-26-36

Andruckscheiben

Tablets

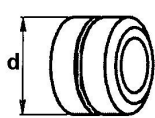


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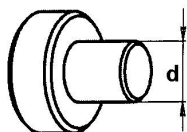


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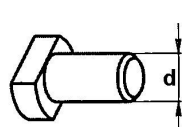


Bild 3

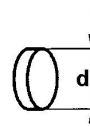
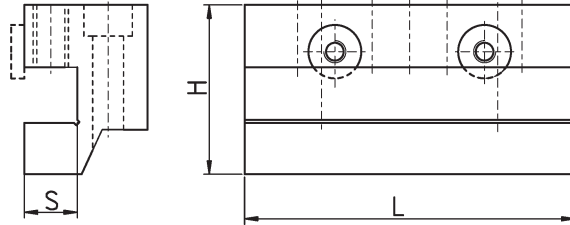


Bild 4

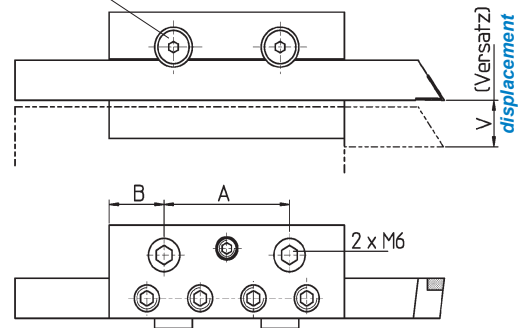
Bestell-Nr. order-no.	d	Bild	Für Maschinenteil for machine part	Maschine machine
V728.101	16	1	Senkrechtschlitten - <i>vertical slide</i>	TRAUB A15-20-25-36-42-60
V728.110	10	2	Waagrechtschlitten - <i>horizontal slide</i>	TRAUB A15-20-25-36-42-60
V728.120	6	3		TRAUB A 15-20-25
V728.620	8	3		TRAUB A 36-42-60
V728.630	8	2	Senkrechtschlitten - <i>vertical slide</i>	TRAUB A 36-42-60
V728.631	6	2	Waagrechtschlitten - <i>horizontal slide</i>	TRAUB A 36-42-60
V728.701	12	3	Stoppanschlag - <i>vertical slide</i>	TRAUB TB 30-42-60
V728.901	5	4	Messingandruckscheiben f.Schraube M6x1 <i>brass tablets for screw M6x1</i>	
V728.902	6	4	Messingandruckscheiben f.Schraube M7x1 <i>brass tablets for screw M7x1</i>	
V728.903	6,5	4	Messingandruckscheiben f. Schraube M8x1,25 <i>brass tablets for screw M8x1,25</i>	
V728.904	8,5	4	Messingandruckscheiben f. Schraube M10x1,5 <i>brass tablets for screw M10x1,5</i>	

**Aufbau-Stahlhalter
 für Star-Werkzeughalter**

**Tool Holder Overhang
 for STAR Tool Holder**



Stützscheiben zur exakteren Spannung
Supporting washers for exact clamping

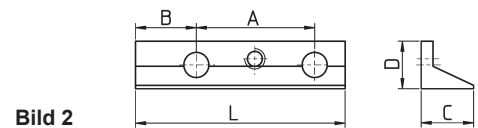
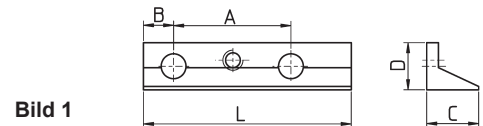


Bestell-Nr. order-no.	Stahl steel	S	L	H	A	B	V	Maschine machine
STAR 431-08	8 x 8	8	60	29,5	30	15		SW7
STAR 541-03	12 x 12	12	75	38	40	17,5	15	ECAS20 SB16 SR20 SV20/4T
STAR 311-01	12 x 12	12	75	44	40	17,5	20	ECAS20 SB16 SR20 SV20/4T
STAR 671-01	16 x 16	16	75	46	40	17,5	17	SR32J SR32JN
STAR 331-01	16 x 16	16	80	41	47	17,5	17	SR32 SV12 SV20 SV32 SV32JN

Klemmp Profile für Star-Werkzeughalter

Clamping Wedges for STAR Tool Holder

Bestell-Nr. order-no.	L	A	B	C	D	Maschine machine	Bild
STAR-KP5428a	54	28	8	13,5	13		1
STAR-KP5428b	54	28	18	13,5	13		2
STAR-KP6030	60	30	15	10,5	11		1
STAR-KP6235a	62	35	9	15,5	14		1
STAR-KP6235b	62	35	18,5	15,5	14		2
STAR-KP6538	65	38,5	8	18	13	SB16	1
STAR-KP6540	65	40	18	13,5	13	SR20	1
STAR-KP7540a	75	40	18	18	14	SR32J neu	1
STAR-KP7540b	75	40	18	18	13	SB16	1
STAR-KP7540c	75	40	16,5	13,5	9,5	SA12 / 16	1
STAR-KP7640	76	40	18	13,5	13	SR20	1



Klemmbunde für Zylinderschäfte

Clamping Flanges for Cylinder Shanks

- Beidseitig geschliffen
- Exakte Befestigung der Werkzeuge direkt an der Maschine

- Grinded on both sides
- Exact fixing directly at the machine

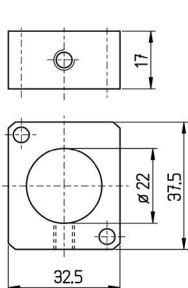


Bild 1

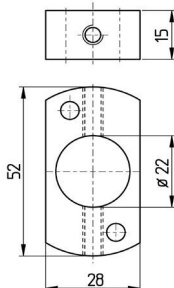


Bild 2

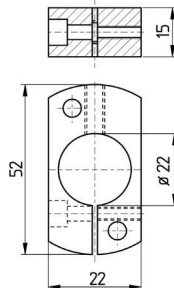


Bild 3

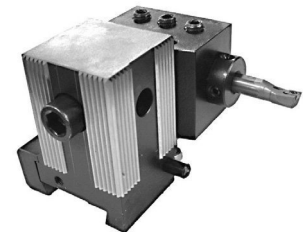
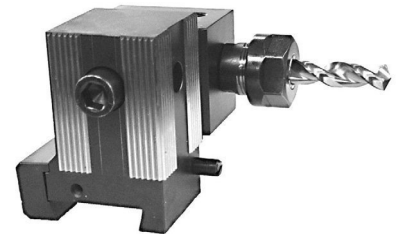
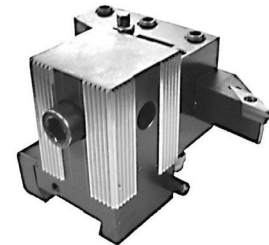
Bestell-Nr. order-no.	Bild	Maschine machine
STAR-KB1-22SRR	2	SR20R
STAR-KB1-22SW	1	SW20
STAR-KB2-22SRR	3	SR20R

Werkzeughalter und Aufsätze
für SPINNER PD - CNC / SB - CNC

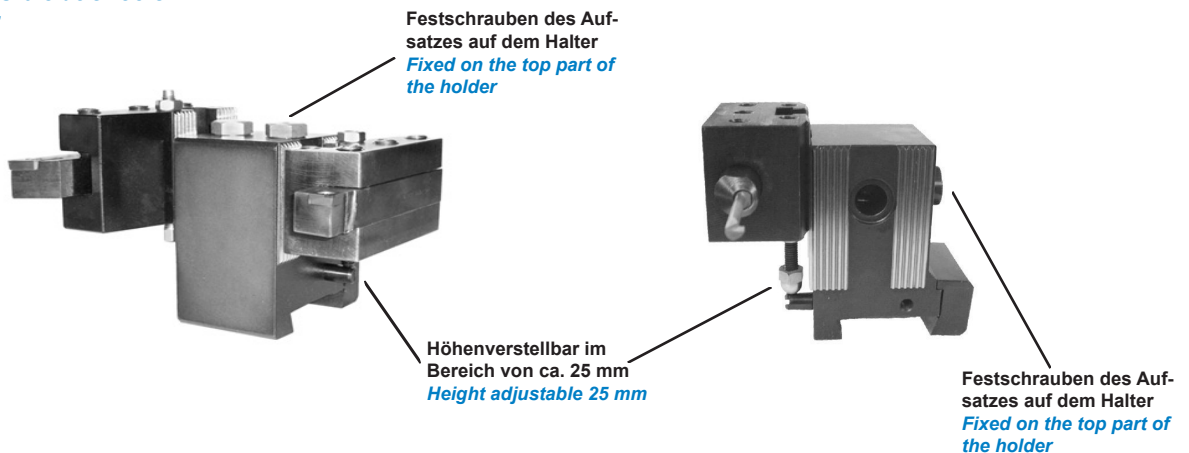
Tool Holders and Top Parts
for SPINNER PD - CNC / SB - CNC

Anwendungsbeispiele:
Examples of application:

- Extrem stabile Ausführung, besonders für Hartdreher und Schleifspindel geeignet
Very solid type, especially applicable for hard turning machines and grinding spindle machines
- Sehr viele Variationsmöglichkeiten
Lots of variations
- Einfaches und schnelles Spannen mit unseren neu entwickelten Haltern und Aufsätzen
Easy and quick clamping
- Höhenverstellbar im Bereich von ca. 25 mm
Height adjustable 25 mm
- Einsätze können an den Grundhaltern an allen 2 bzw. 3 verzahnten Flächen befestigt werden (auch über Kopf). Das bedeutet: Schnellere Umrüstzeiten Ihrer Maschinen.
Tops can be used on every geared side (also overhead)
- Jeder Einsatz passt auf jeden Halter.
Any top is compatible with any holder



Gleichzeitiger Einsatz von 2
Werkzeugen bei V401.520D:
*2 tools possible at once on
V401.520D:*



Werkzeughalter und Aufsätze
für SPINNER PD - CNC / SB - CNC

Tool Holders and Top Parts
for SPINNER PD - CNC / SB - CNC

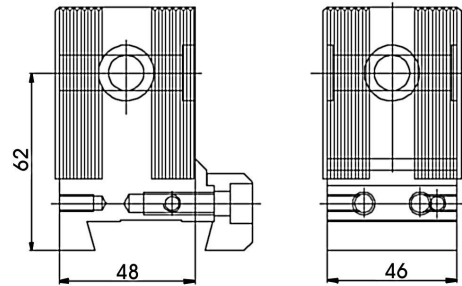
Incl. aller Befestigungsschrauben - *Incl. all screws*

Halter + Klemmstück - Holder + Clamping Part

Bestell - Nr.
order-no.

V 401.520

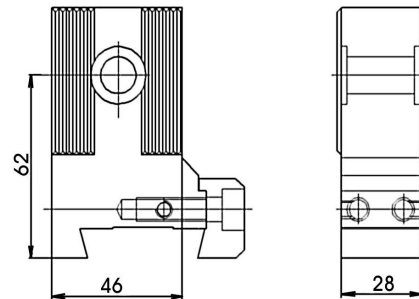
V 401.520D



Halter + Klemmstück - Holder + Clamping Part

Bestell - Nr.
order-no.

V 401.521



Werkzeughalter und Aufsätze
 für SPINNER PD - CNC / SB - CNC

Tool Holders and Top Parts
 for SPINNER PD - CNC / SB - CNC

Einsätze - Top Parts

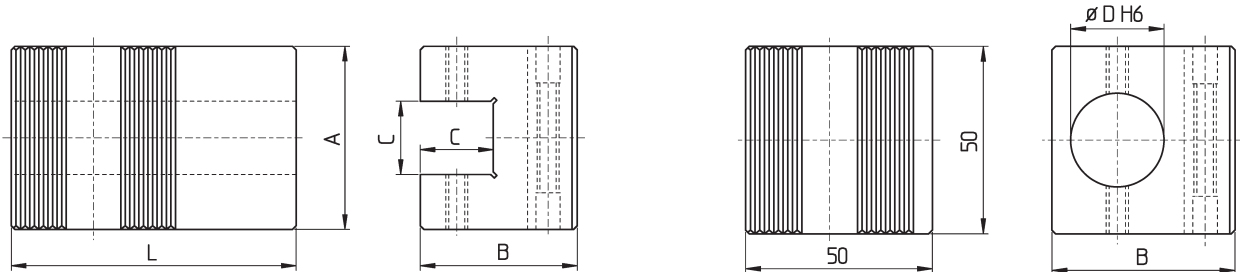
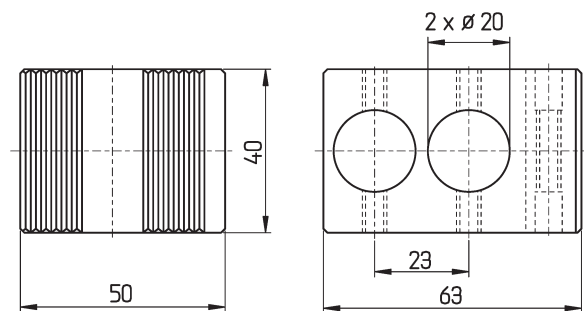


Bild 1

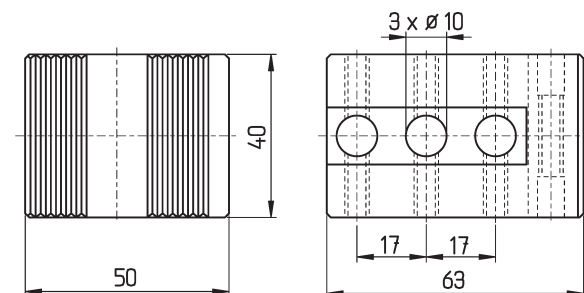
Bild 2

Bestell - Nr. order-no.	Bild	A	B	C	D	L
V 411.512	1	40	27	12	-	50
V 411.510	1	40	27	12	-	78
V 411.511	1	50	32	16	-	50
V 411.520	1	40	30	16	-	78
V 411.525	1	54	36	20	-	78
V 411.532	2	-	33	-	12	-
V 411.531	2	-	36	-	16	-
V 411.530	2	-	43	-	20	-
V 411.528	2	-	49	-	25	-
V 411.533	2	-	54	-	30	-

Bestell - Nr. order-no.
V 411.512/2
2 Bohrungen 20 h5 Positions- und Winkelgenauigkeit 0,005mm <i>2 bores 20 h5</i> <i>Accuracy of positions and angles 0,005 mm</i>



Bestell - Nr. order-no.
V 411.530/3
3 Bohrungen 10 h5 Positions- und Winkelgenauigkeit 0,005mm <i>3 bores 10 h5</i> <i>Accuracy of positions and angles 0,005 mm</i>



**Höhenverstellbare Werkzeughalter
 mit Mikrometerfeineinstellung 0,02**

**High Adjustable Tool Holders
 Adjusted by Micrometer Screw 0,02**

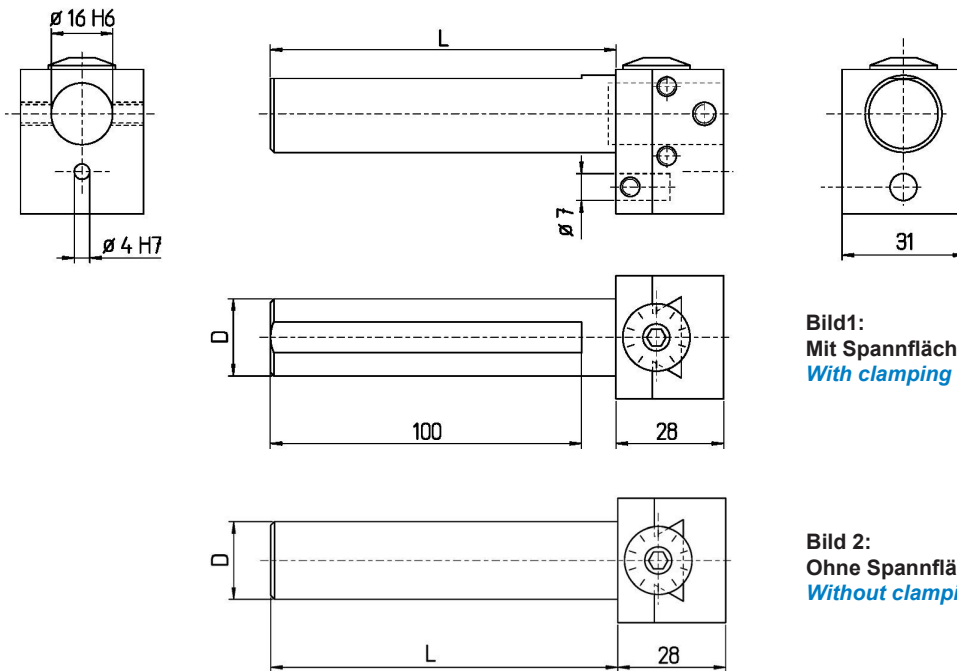


Bild 1:
 Mit Spannfläche (WD)
With clamping flat (WD)

Bild 2:
 Ohne Spannfläche
Without clamping flat

Einsätze - Inserts

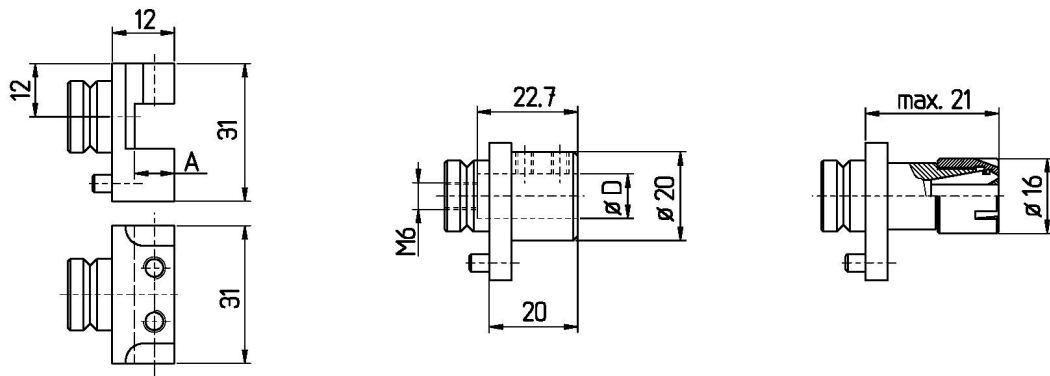


Bild 3: Vierkant-Aufnahme
Square adapter

Bild 4: Weldon-Aufnahme
Weldon adapter

Bild 5: ER11 / ER11M
ER-collet adapter

Halter - holders			
Bestell-Nr. order-no.	D	L	Bild
U236-16	16	60	2
U236-19	3/4"	110	2
U236-20	20	110	2
U236-20K	20	70	2
U236-20T	20	140	2
U236-20TWD	20	140	1
U236-22	22	110	2
U236-25	25	110	2
U236-28	28	110	2

Einsätze - inserts			
Bestell-Nr. order-no.	A	D	Bild
U236-E88	8 x 8		3
U236-E1010	10 x 10		3
U236-W08		8	4
U236-W10		10	4
U236-W12		12	4
U236-ER11			5
U236-ER11M			5

Schnecken und Schneckenräder

Worms and Worm Wheels

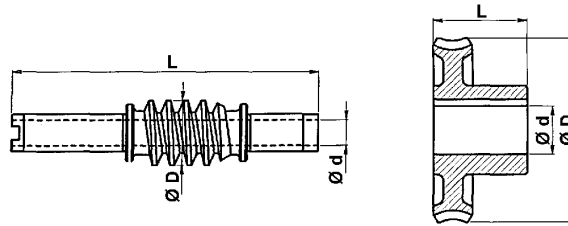


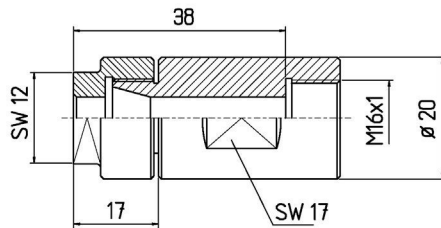
Bild 1

Bild 2

Schnecken - worms						Schneckenräder - worm wheels						Maschine machine
Bestell-Nr. order-no.	d	D	L	R/L	Bild	Bestell-Nr. order-no.	d	D	H	R/L	Bild	
V520.792	15	34	207	Dx	1	V522.792	22	97	44	Dx	2	TORNOS M7
V520.794	14	34	180	Dx	1	V522.794	22	97	38	Dx	2	TORNOS R10

Bohrverlängerungen für STROHM M105-125

Drill extensions for STROHM



Bestell-Nr. - order-no.	
WT16F8	
incl. Mutter	<i>nut included</i>

Nutensteine für Kurventräger

Dowels for Tighten Up Cams

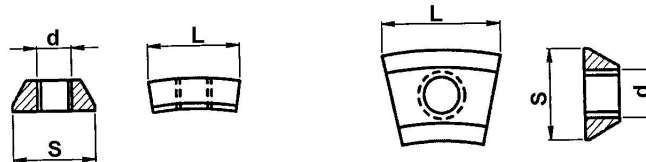


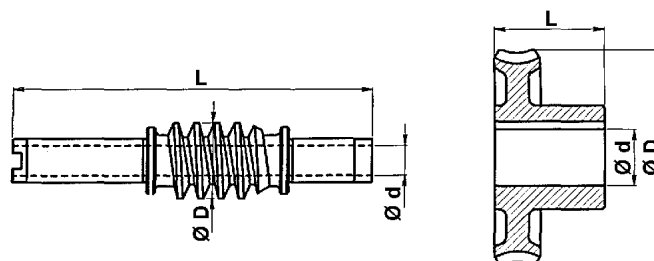
Bild 1

Bild 2

Bestell-Nr. order-no.	d	S	L	Bild	Maschine machine	Kurventräger tighten up cam
V510.301	M5	11,2	14	1	STROHM 75-105-125	Dreispindelapparat - <i>3-spindle device</i>
V510.302	M6	11,2	14	1	STROHM 75-105-125	Dreispindelapparat - <i>3-spindle device</i>
V510.303	M8	21	24	1	STROHM 205-255	Dreispindelapparat - <i>3-spindle device</i>
V510.304	M6	11,5	15	2	STROHM 75-105-125	Schlitten - <i>slide</i>

Schnecken und Schneckenräder

Worms and Worm Wheels



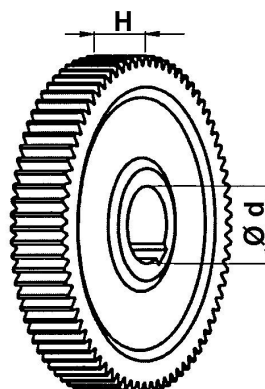
Schnecken - worms						Schneckenräder - worm wheels						Maschine machine
Bestell-Nr. order-no.	d	D	L	R/L	Bild	Bestell-Nr. order-no.	d	D	H	R/L	Bild	
V520.301	16	38	202	Dx	3	V522.301	22	96	35	Dx	6	STROHM 75-105-125
V520.302	18	42,5	252	Dx	3	V522.302	28	133	52	Dx	6	STROHM 205-255

Zahnräder

Gear Wheels

STROHM M 4,5

Bestell-Nr. order-no.	Z	Mod	d	H
V542.030	30			
V542.033	33			
V542.036	36			
V542.038	38			
V542.041	41			
V542.044	44			
V542.081	81	1	12	11
V542.084	84			
V542.087	87			
V542.089	89			
V542.092	92			
V542.093	93			
V542.095	95			



STROHM 75-105-125

Bestell-Nr. order-no.	Z	Mod	d	H
V544.025	25			
V544.035	35			
V544.042	42			
V544.050	50			
V544.052	52			
V544.056	56			
V544.058	58			
V544.065	65			
V544.067	67			
V544.070	70			
V544.076	76			
V544.079	79	1	14	14
V544.083	83			
V544.092	92			
V544.093	93			
V544.095	95			
V544.096	96			
V544.099	99			
V544.105	105			
V544.110	110			
V544.117	117			
V544.125	125			
V544.133	133			
V544.175	175			

STROHM 205-255

Bestell-Nr. order-no.	Z	Mod	d	H
V546.020	20			
V546.034	34			
V546.040	40			
V546.047	47			
V546.050	50			
V546.052	52			
V546.054	54			
V546.056	56			
V546.061	61			
V546.067	67			
V46.073	73	1,5	16	20
V546.077	77			
V546.079	79			
V546.084	84			
V546.087	87			
V546.088	88			
V546.093	93			
V546.100	100			
V546.105	105			
V546.106	106			
V546.120	120			
V546.140	140			

Ersatzteile für STROHM

Spare Parts for STROHM

Bezeichnung <i>description</i>	Maschine <i>machine</i>	Orig. - Nr. <i>org. - no.</i>	Artikel - Nr. <i>order - no.</i>
Druckhülse <i>collet sleeve</i>	STROHM M105-125	670.199	V066.210
Druckhülse <i>collet sleeve</i>	STROHM M205	671.899	V066.735
Druckhülse <i>collet sleeve</i>	STROHM M205	671.948	V066.741
Druckhülse <i>collet sleeve</i>	STROHM M255	671.945	V066.740
Druckhülse <i>collet sleeve</i>	STROHM M255 red.	671.948	V066.741
Überwurfmutter <i>nut</i>	STROHM M125	303.097	V072.730
Überwurfmutter <i>nut</i>	STROHM M205	671.902	V072.735
Überwurfmutter <i>nut</i>	STROHM M205	671.941	V072.741
Überwurfmutter <i>nut</i>	STROHM M255	671.940	V072.740
Druckrohr <i>pressure tube</i>	STROHM M125	670.375	V076.730
Druckrohr <i>pressure tube</i>	STROHM 75-105	670.428	V076.731
Distanzstück <i>spacer tube</i>	STROHM M125	670.476	V078.730
Distanzstück <i>spacer tube</i>	STROHM M105	670.313	V078.731
Distanzstück <i>spacer tube</i>	STROHM M205	672.905	V078.735
Distanzstück <i>spacer tube</i>	STROHM M255	672.908	V078.745
Spannmuffen <i>clamping sleeve</i>	STROHM 75-105-125	690.077	V080.730
Ring für Spannmuffe <i>ring of clamping sleeve</i>	STROHM 72.105-125	670.405	V080.730B
Spannfingerlager <i>chuck lever bearing</i>	STROHM 72.105-125	670.216	V080.731
Spannfingerlager <i>chuck lever bearing</i>	STROHM 72.105-125	680.128	V080.732
Spannfingerlager zu 084740 <i>chuck lever bearing</i>	STROHM 72.105-125	672.716	V080.735
Spannmuffen <i>clamping sleeve</i>	STROHM M205	672.716	V080.735
Spannmuffen <i>clamping sleeve</i>	STROHM M255	671.951	V080.740
Spannfinger (6) <i>toggle</i>	STROHM 125NAR	661.435	V084.730
Spannfinger (6) <i>toggle</i>	STROHM 75-105-125AS	661.434	V084.730B
Spannfinger (8) <i>toggle</i>	STROHM 125NAR	661.435	V084.731
Spannfinger (8) <i>toggle</i>	STROHM 125AS	661.434	V084.731B
Spannfinger <i>toggle</i>	STROHM 205-255	680.733	V084.740
Spannfinger <i>toggle</i>	STROHM 205-255	661.557	V084.745
Fühler Hartmetall <i>carbide sensor</i>	STROHM 75-105-125		V512.301
Stangenvorschub <i>bar feed</i>	STROHM 75-105-125		V516.302
Stangenvorschub <i>bar feed</i>	STROHM 75-105-125		V516.303
Kugellager <i>ball bearing</i>	STROHM 205-255	671.697	V520.740
Kugellager <i>ball bearing</i>	STROHM 205-255	671.709	V525.740
Spindel für Gewindeschneideinrichtung <i>spindel</i>	STROHM 75-105-125	670.445	V570.301
Mutter zu 570.301/ 570.302 <i>nut</i>	STROHM 75-105-125	670.221	V570.301B
Bohrpinole für 3-Spindel-Apparat <i>drill holder</i>	STROHM 75-105-125	670.933	V570.302

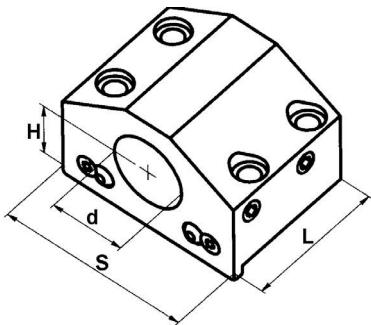
Ersatzteile für STROHM

Spare Parts for STROHM

Bezeichnung description	Maschine machine	Orig. - Nr. org. - no.	Artikel - Nr. order - no.
Buchse 18 L=24 <i>bush</i>	STROHM 75-105-125	670.183	V571.301A
Buchse 18 L=50 <i>bush</i>	STROHM 75-105-125	670.188	V571.301B
Buchse 18/ 21 L=70 <i>bush</i>	STROHM 75-105-125	670.187	V571.301C
Spindelstock <i>head stock</i>	STROHM 75-105-125	660.038	V590.730
Stellmutter, Zangenspannung <i>lock nut</i>	STROHM 75-105-125	660.037	V592.730
Keilriemenscheibe <i>v-belt pulley</i>	STROHM 75-105-125	661.136	V594.730
Werkzeughalter <i>tool holder</i>	STROHM 125		V600.320
Feder 9 L=125 <i>spring</i>	STROHM 75-105-125	303.063	V718.301
Klaue für Ritzel 21 x 1 <i>clutch for gear</i>	STROHM 75-105-125	670.212	V752.301
Kuppl-Klaue f.Schnecke 34x1,5 <i>clutch for worm</i>	STROHM 75-105-125	670.083	V752.302
Gleitstift 7 L=25 <i>slide screw</i>	STROHM 75-105-125	670.886	V752.303
Gleitstift 7 L=25 <i>slide screw</i>	STROHM 75-105-125	670.887	V752.304
Stift 8 L=24 <i>pin</i>	STROHM 75-105-125	671.246	V752.305
Rollenbolzen 6 L= 20,5 <i>roller bolt</i>	STROHM 75-105-125	671.288	V752.306
Rolle 14 L=9,8 <i>roller</i>	STROHM 75-105-125	670.192	V752.310
Exzenterbolzen M8x1,25 <i>eccentric bolt</i>	STROHM 125		V752.314
Kugellager <i>ball bearing</i>	STROHM 75-105-125	662.617	V752.340
Kugellager <i>ball bearing</i>	STROHM 75-105-125	670.854	V752.341
Schneckenrad <i>worm wheel</i>	STROHM 75-105-125	672.714	V752.350
Schnecke <i>worm</i>	STROHM 75-105-125	672.713	V752.351
Schräggugellager <i>angular ball bearing</i>	STROHM 75-105-125	672.710	V752.354
Schräggugellager <i>angular ball bearing</i>	STROHM 205-255		V752.355
Pumpenwelle 7 L=131 <i>axle</i>	STROHM 75-105-125	350FBL	V752.360
Exzenterwelle f. 3-Sp-App. <i>eccentric axle</i>	STROHM 75-105-125	670.826	V752.361
Gleitstein 9x5x15 Bohr. 6 <i>slide stone</i>	STROHM 75-105-125	670.939	V752.370
Klemmstück 12 L=20 <i>clamping part</i>	STROHM 75-105-125	670.089	V752.372
Frikionslager M31x1 li <i>friction bearing</i>	STROHM 125	680.389	V752.377A
Reibkegel M25x0,75	STROHM 125	670.927	V752.377B
Reibkegel M34x1 li	STROHM 125	670.957	V752.377C
Frikionsmutter M25x0,75 <i>friction nut</i>	STROHM 125		V752.377D
Frikionsring, Bakelit <i>friction ring</i>	STROHM 125		V752.379
Gew-Stift 8MA L=23 f. V752370 <i>set screw</i>	STROHM 75-105-125	670.019	V752.380
Exzenterbolzen f. 3-Spindel-App. <i>eccentric bolt</i>	STROHM 75-105-125	670.172	V752.381
Bolzen 10x1 L=20 <i>bolt</i>	STROHM 75-105-125	670.024	V752.382
Hebel <i>lever</i>	STROHM 75-105-125	670.945	V752.390
Hebel <i>lever</i>	STROHM 75-105-125	670.809	V752.391
Hebel <i>lever</i>	STROHM 75-105-125	670.816	V752.392
Stift 8 L=36 <i>pin</i>	STROHM 75-105-125	670.808	V752.401
Stift 8 L=61 <i>pin</i>	STROHM 75-105-125	670.890	V752.402
Stift 10 L=42 <i>pin</i>	STROHM 75-105-125	670.817	V752.403
Stift 10 L=49 <i>pin</i>	STROHM 75-105-125	670.825	V752.404

Axial-Werkzeughalter für HAAS

Axial Tool Holders for HAAS

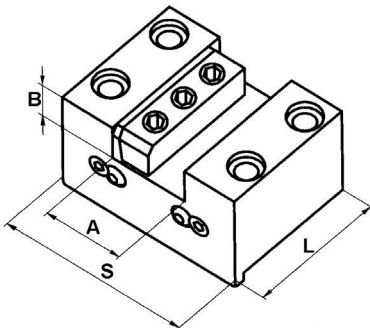


Bestell-Nr. order-no.	Orig. Nr. orig.-no	d	H	S	L
C-7H6.C32	BOT20MID	32	31,75	101,5	82,5
C-7H6.C40	BOT20MID	40	31,75	101,5	82,5

Mit innerer oder äußerer Kühlmittelzufuhr
With inner or outside coolant

Axial-Werkzeughalter für HAAS

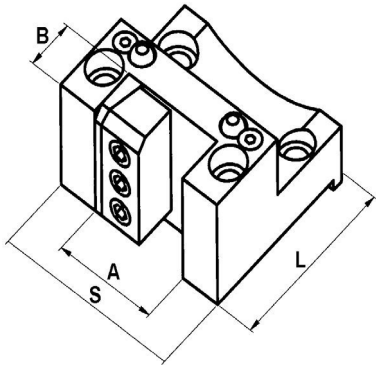
Axial Tool Holders for HAAS



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L
C-8H6.C50	BOT20MFG	50	25	101,5	82,5

Radial-Werkzeughalter für HAAS

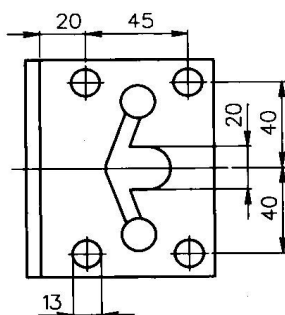
Radial Tool Holders for HAAS



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L
C-8H6.V50	BOT20MOD	50	25	101,5	92

Bohrungsabstände der Werkzeughalter

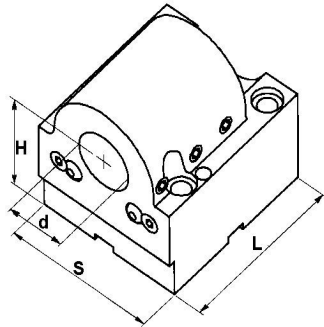
Distances of the Bores



Distanzen zwischen den Bohrungen - *Distances between the bores*
für alle Halter *for all holders*

Axial-Werkzeughalter für MORI SEIKI

Axial Tool Holders for MORI SEIKI



Bestell-Nr. order-no.	Orig. Nr. orig.-no	d	H	S	L
C-7M8.C40	T10097	40	80	108	130
C-7M8.C40 R	T13128	40	80	108	130
C-7M8.C40 H120	T10113	40	120	108	130
C-7M8.C40 R H120	T13131	40	120	108	130
C-7M8.C50	T10098	50	80	108	130
C-7M8.C50 H120	T10114	50	120	108	130

Mit innerer oder äußerer Kühlmittelzufuhr
With inner or outside coolant

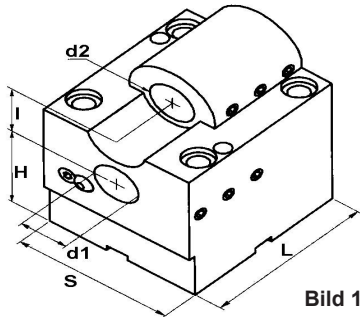


Bild 1

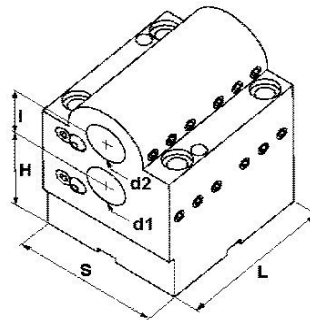
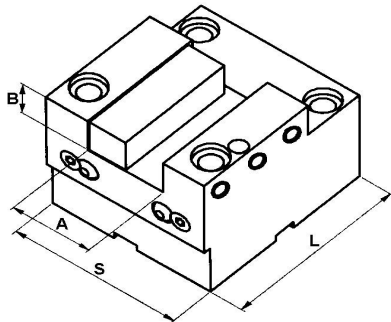


Bild 2

Bestell-Nr. order-no.	Orig. Nr. orig.-no	d1/d2	H	I	S	L	Bild
C-7M8.D32	T10096	32	80	45	108	130	1
C-7M8.D32 L	---	32	80	45	108	130	2

Axial-Werkzeughalter für MORI SEIKI

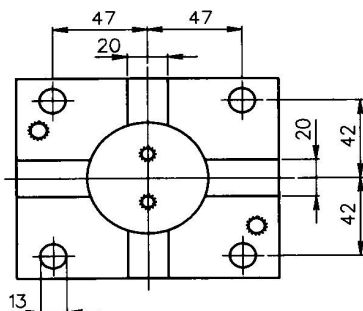
Axial Tool Holders for MORI SEIKI



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L
C-8M8.C40	T03006	40	20	108	130
C-8M8.C50	T03005	50	25	108	130

Bohrungsabstände der Werkzeughalter

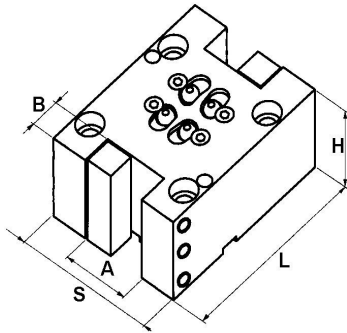
Distances of the Bores



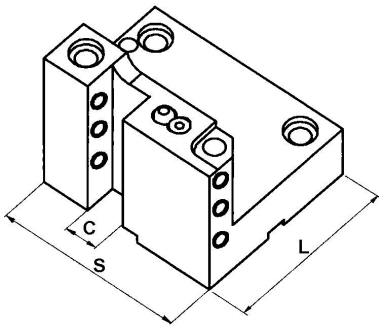
Distanzen zwischen den Bohrungen - *Distances between the bores*
 für alle Halter *for all holders*

Radial-Werkzeughalter für MORI SEIKI

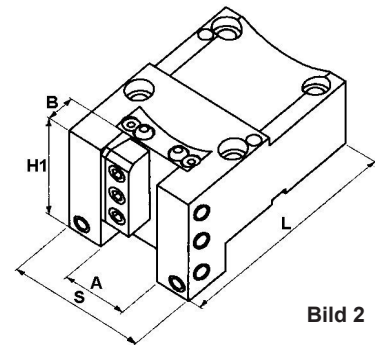
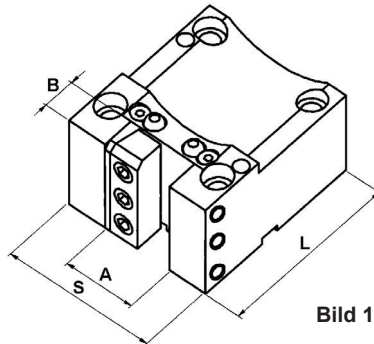
Radial Tool Holders for MORI SEIKI



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L
C-8M8.D40	T00185	40	20	108	150
C-8M8.D50	T00184	50	25	108	160



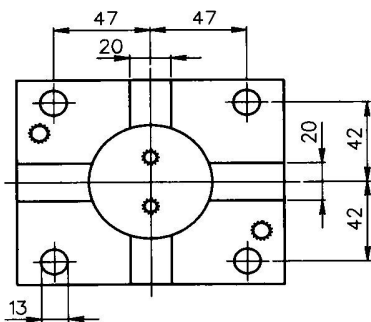
Bestell-Nr. order-no.	Orig. Nr. orig.-no	C	S	L
C-8M8.B25	T00197	25	108	130



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L	H1	Bild
C-8M8.V40	T00187	40	20	108	130	---	1
C-8M8.V50	T00186	50	25	108	130	---	1
C-8M8.V50 L	---	50	25	108	169	98	2

Bohrungsabstände der Werkzeughalter

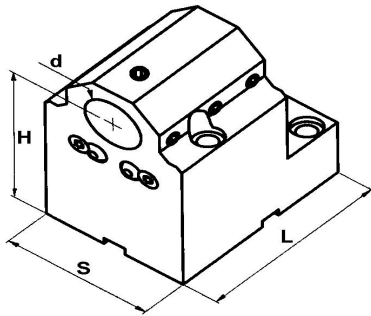
Distances of the Bores



Distanzen zwischen den Bohrungen - Distances between the bores für alle Halter - Distances between the bores for all holders

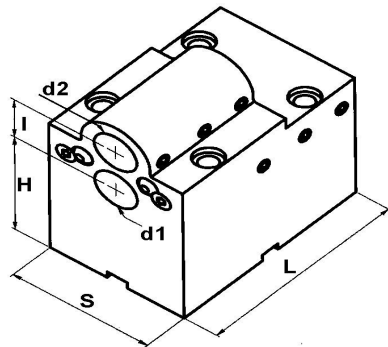
Axial-Werkzeughalter für MORI SEIKI

Axial Tool Holders for MORI SEIKI



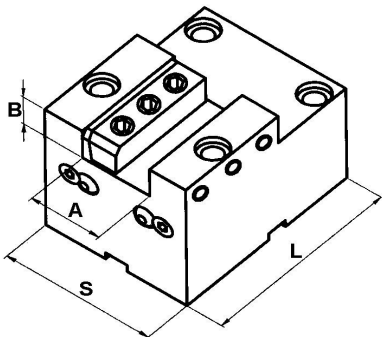
Bestell-Nr. order-no.	Orig. Nr. orig.-no	d	H	S	L
C-7M5.C32	T10115	32	100	78	115
C-7M5.C32 R	T13132	32	100	78	115

Mit innerer oder äußerer Kühlmittelzufuhr
With inner or outside coolant



Bestell-Nr. order-no.	Orig. Nr. orig.-no	d1-d2	H	I	S	L
C-7M5.D25	T10117	25	75	30	78	130

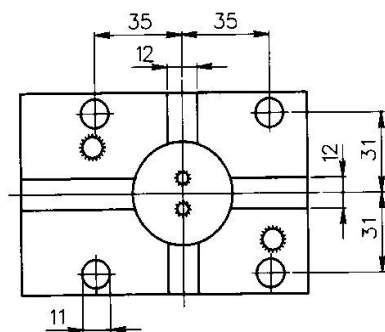
Mit innerer oder äußerer Kühlmittelzufuhr
With inner or outside coolant



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L
C-8M5.C40	---	40	20	78	115

Bohrungsabstände der Werkzeughalter

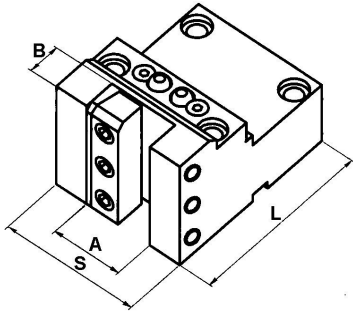
Distances of the Bores



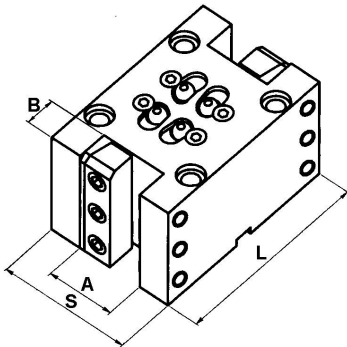
Distanzen zwischen den Bohrungen - Distances between the bores
 für alle Halter *for all holders*

Radial-Werkzeughalter für MORI SEIKI

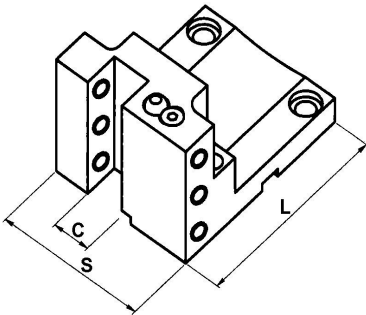
Radial Tool Holders for MORI SEIKI



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L
C-8M5.V40	T00224	40	20	78	115



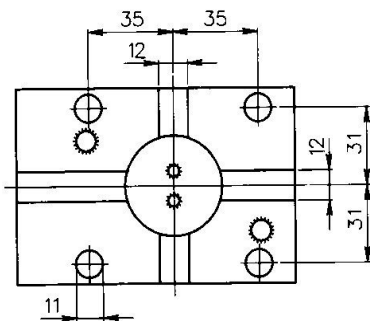
Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L
C-8M5.D40	T00228	40	20	78	130



Bestell-Nr. order-no.	Orig. Nr. orig.-no	C	S	L
C-8M5.B20	T00251	20	78	115

Bohrungsabstände der Werkzeughalter

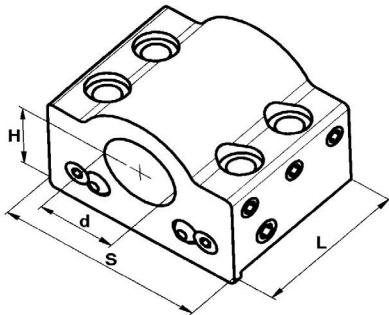
Distances of the Bores



Distanzen zwischen den Bohrungen - Distances between the bores
 für alle Halter - for all holders

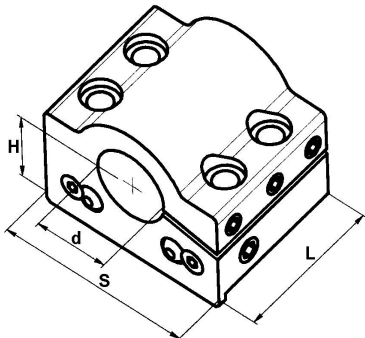
Axial-Werkzeughalter für MORI SEIKI

Axial Tool Holders for MORI SEIKI



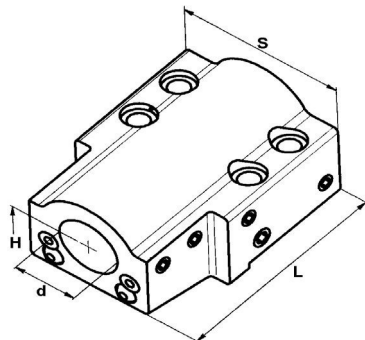
Bestell-Nr. order-no.	Orig. Nr. orig.-no.	d	H	S	L	Bild, unten pic., bottom
C-7M3.C32	T10046	32	35	90	79	1
C-7M3.C32 R	T13066	32	35	90	79	1
C-7M6.C40	T10036	40	40	105	90	2
C-7M6.C40 R	T13064	40	40	105	90	2
C-7M6.C50	T10044	50	40	105	90	2

Mit innerer oder äußerer Kühlmittelzufuhr
With inner or outside coolant



Bestell-Nr. order-no.	Orig. Nr. orig.-no.	d	H	S	L	Bild, unten pic., bottom
C-7M6.C25 B	---	25	40	105	90	2
C-7M6.C40 B	T10036	40	40	105	90	2
C-7M6.C50 B	T10044	50	40	105	90	2

Mit innerer oder äußerer Kühlmittelzufuhr
With inner or outside coolant



Bestell-Nr. order-no.	Orig. Nr. orig.-no.	d	H	S	L	Bild, unten pic., bottom
C-7M3.L32	T10052	32	35	90	139	1
C-7M6.L40	T10038	40	40	105	160	2
C-7M6.L50	T10094	50	40	105	160	2

Mit innerer oder äußerer Kühlmittelzufuhr
With inner or outside coolant

Bohrungsabstände der Werkzeughalter

Distances of the Bores

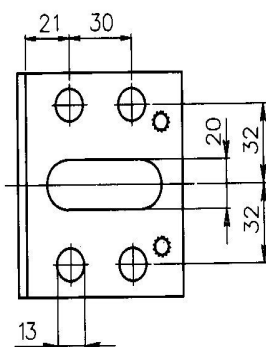


Bild 1

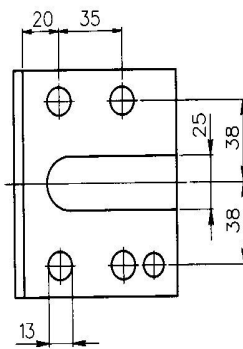
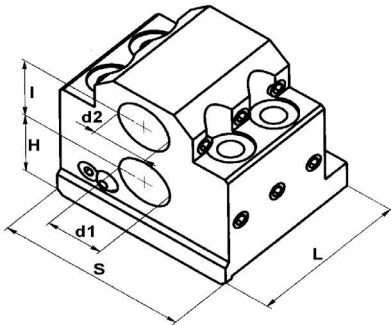


Bild 2

Distanzen zwischen den Bohrungen - *Distances between the bores*

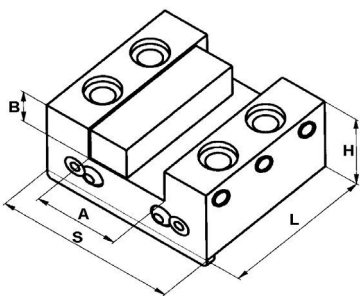
Axial-Werkzeughalter für MORI SEIKI

Axial Tool Holders for MORI SEIKI

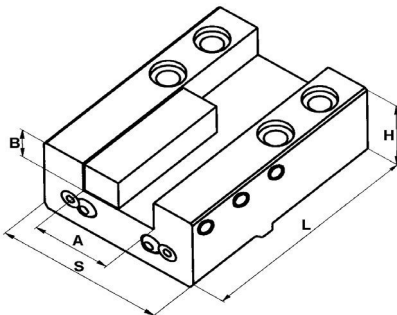


Bestell-Nr. order-no.	Orig. Nr. orig.-no	d1-d2	H	I	S	L	Bild, unten pic., bottom
C-7M3.D25	T10082	25	35	40	90	79	1
C-7M6.D32	T10086	32	40	45	105	90	2
C-7M6.D32 L	T10208	32	40	45	105	125	2

Mit innerer oder äußerer Kühlmittelzufuhr
 With inner or outside coolant



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L	H	Bild, unten pic., bottom
C-8M3.C40	T00080	40	20	90	79	45	1
C-8M6.C50	T00068	50	25	106	90	55	2



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L	H	Bild, unten pic., bottom
C-8M3.L40	T00148	40	20	90	139	50	1
C-8M6.L50	T00082	50	25	106	160	60	2

Bohrungsabstände der Werkzeughalter

Distances of the Bores

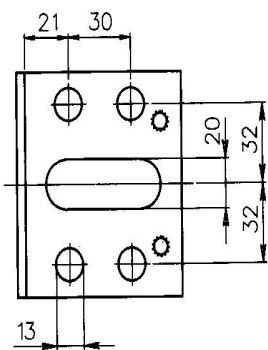


Bild 1

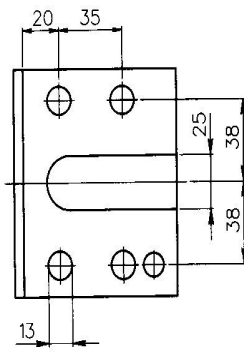
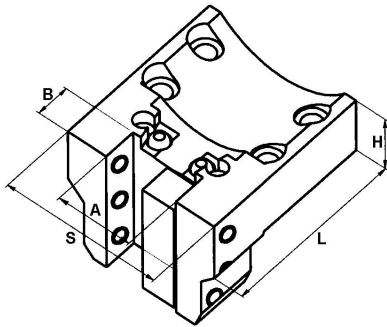


Bild 2

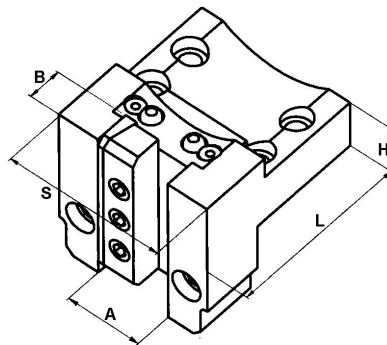
Distanzen zwischen den Bohrungen - Distances between the bores

Radial-Werkzeughalter für MORI SEIKI

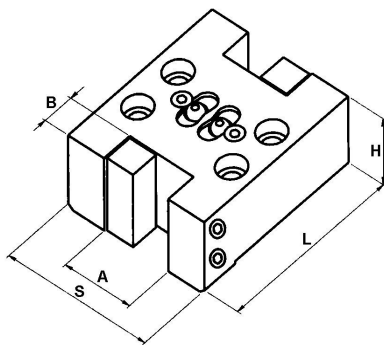
Radial Tool Holders for MORI SEIKI



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L	H	Bild, unten pic., bottom
C-8M3.V40	T00146	40	20	90	115	35	1
C-8M6.V50	T00074	50	25	106	130	40	2
C-8M6.V50 L	T00076	50	25	106	155	40	2



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L	H	Bild, unten pic., bottom
C-8M3.T40	T00078	40	20	90	115	45	1
C-8M6.T50	T00162	50	25	106	130	35	2
C-8M6.T50 L	T00164	50	25	106	160	35	2



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	S	L	H	Bild, unten pic., bottom
C-8M3.D40	T00108	40	20	90	120	50	1
C-8M6.D50	T00158	50	25	106	141	60	2

Bohrungsabstände der Werkzeughalter

Distances of the Bores

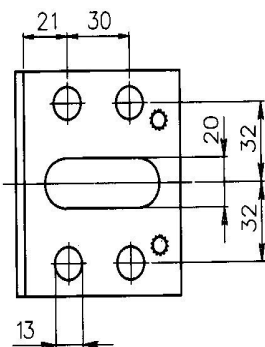


Bild 1

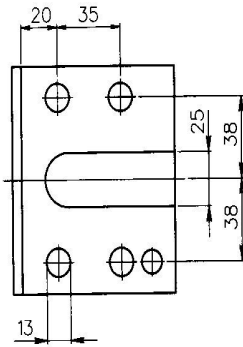
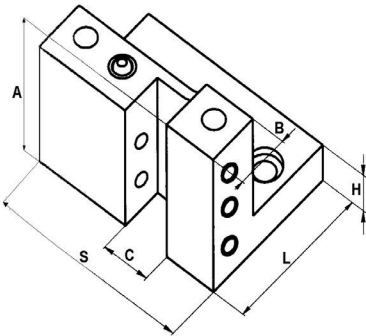


Bild 2

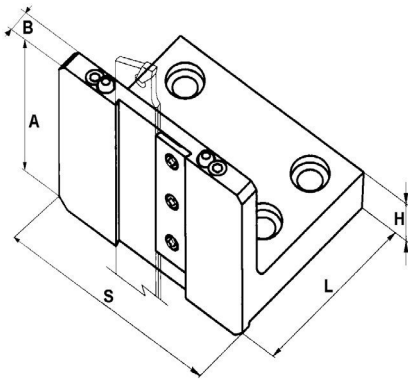
Distanzen zwischen den Bohrungen - Distances between the bores

Radial-Werkzeughalter für MORI SEIKI

Radial Tool Holders for MORI SEIKI



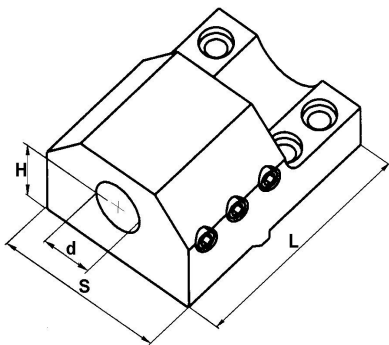
Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	C	S	L	H	Bild, unten pic., bottom
C-8M3.B20	T00134	68	31	20	90	75	21	1
C-8M6.B25	T00156	78	31	25	106	85	21	2



Bestell-Nr. order-no.	Orig. Nr. orig.-no	A	B	C	S	L	H	Bild, unten pic., bottom
C-8M6.B26	---	75	11	---	106	90	21	2

Axial-Werkzeughalter für MORI SEIKI

Axial Tool Holders for MORI SEIKI



Bestell-Nr. order-no.	Orig. Nr. orig.-no	d	H	S	L	Bild, unten pic., bottom
C-7M3.S25	---	25	35	90	139	1
C-7M3.S32 H50	---	32	50	90	79	1
C-7M6.S32	---	32	40	105	160	2

Mit innerer oder äußerer Kühlmittelzufuhr
 With inner or outside coolant

Bohrungsabstände der Werkzeughalter

Distances of the Bores

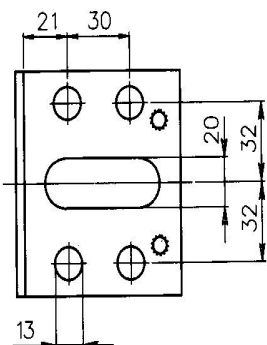


Bild 1

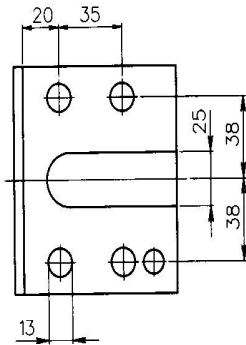
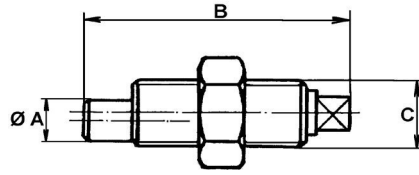


Bild 2

Distanzen zwischen den Bohrungen - Distances between the bores

Exzenterbolzen

Eccentric Bolts



Bestell-Nr. order-no.	Maschine machine	A	B	C
V730.999	DAR 46	8	55	M12 x 1,5