Schlenker
SPANNWERKZEUGE

MADE IN GERMANY

100 % MANUFACTURING DEPTH

MAXIMUM FLEXIBILITY

PRODUCT CATALOG

Collet chucks » Guide bushes » Clamping sleeves » Bearings » Spindle reducers » Customized solutions

MADE
IN
GERMANY

DRIVEN BY AMIBITION WITH ZERO COMPROMISE!

Our courage to adhere to uncompromisable high quality standards can be traced through Schlenker's 60 year company history.

After graduate engineer Dipl.-Ing. Josef Meißner took over the company in 1986, it was his vision that kept Schlenker faithful to its roots.

Unimpressed by the production relocations to foreign countries by other German companies, Schlenker maintained reliance on Germay as it's sole business location. True to this vision, in 1990 they constructed an expansive new facility in the industrial area of Schwennigen.

When Josef Meißner died in 1999, his wife Inge took over the management of the company and she continued to drive success for Schlenker in the same spirit as her husband. Their daughter Britta Hoffman joined the comany in 2006 after completing her engineering studies and gathering work experience at home and abroad. She has been running the Schlenker company as its manager since 2008. Today, Schlenker ranks as one of the technological leaders in the clamping tool (workholding) market , and is, above all, continuosly concentrating on the expansion of customer-specific business and innovative product solutions. A team of more than 70 qualified and motivated employees stand ready to successfully design and manufacture these exceptional products.

Welcome to Schlenker!

QUALITY - MADE IN GERMANY!

The quality of our products and Schlenker's success are inexorably linked. Even in this age of low-cost production in other countries, we rely on Germany as the sole location for our facilities.

As our customers require more specialized product solutions rather than standard products, Schlenker's engineered specialty designs are added value options for our customers. Our manufacturing process has been organized to ensure that no variants will cause delays in delivery of products to our customers.

MADE
IN
GERMANY

Britta Hoffmann
and Inge Meißner,

Management

"Thanks to 100% manufacturing depth, you will benefit from Schlenker's application specific solutions, punctuality, and the utmost in product flexibility all combined with first-class quality!"

VALUES FOR A VALUABLE COOPERATION!

QUALITY

- Far beyond the product, quality means a strict adherence to pre-defined manufacturing requirements and practices within each of our company divisions. In order to reach our goals, we make rigorous professional training and process development our top priorities.

FLEXIBILITY

- As a medium-sized enterprise, flexibility is an essential element of our success. This includes production facilities that are 100% vertically integrated, as well as the approach of our staff towards individual customer requirements and the awareness of market changes, and the ability to adapt, quickly.

PROMPTNESS

- Flat hierarchies and senior staff oversight optimize each of our processes, from initial consultation to final shipment. This also ensure the shortest and most rapid decision paths at all times.

SUCCESS - THE RESULT OF 100% IN-HOUSE MANUFACTURING

Teaming up with Schlenker means being able to rely on Schlenker's Five Strong Performance Pillars. The result of this teamwork will create the optimal product solution.

100% IN-HOUSE MANUFACTURING

- Maximum flexibility. Fast implementation speed. Everything from one source.

FIRST-CLASS QUALITY

- Competitive edge. Safety. No compromise.

INDIVIDUAL SOLUTIONS

- Customer-specific. Perfectly adapted. Maximum performance.

OEM EXPERTISE

- OEM partnership. Technological leadership. Absolute confidence.

CUSTOMER PROXIMITY

- Close dialog. Fast expert solutions. Innovative capacity.

THE WIDE RANGE OF APPLICATIONS OF OUR PRODUCT SOLUTIONS!

OPTION LONG COMPONENT PARTS

SMOOTH COLLET CHUCK

GUIDE BUSH

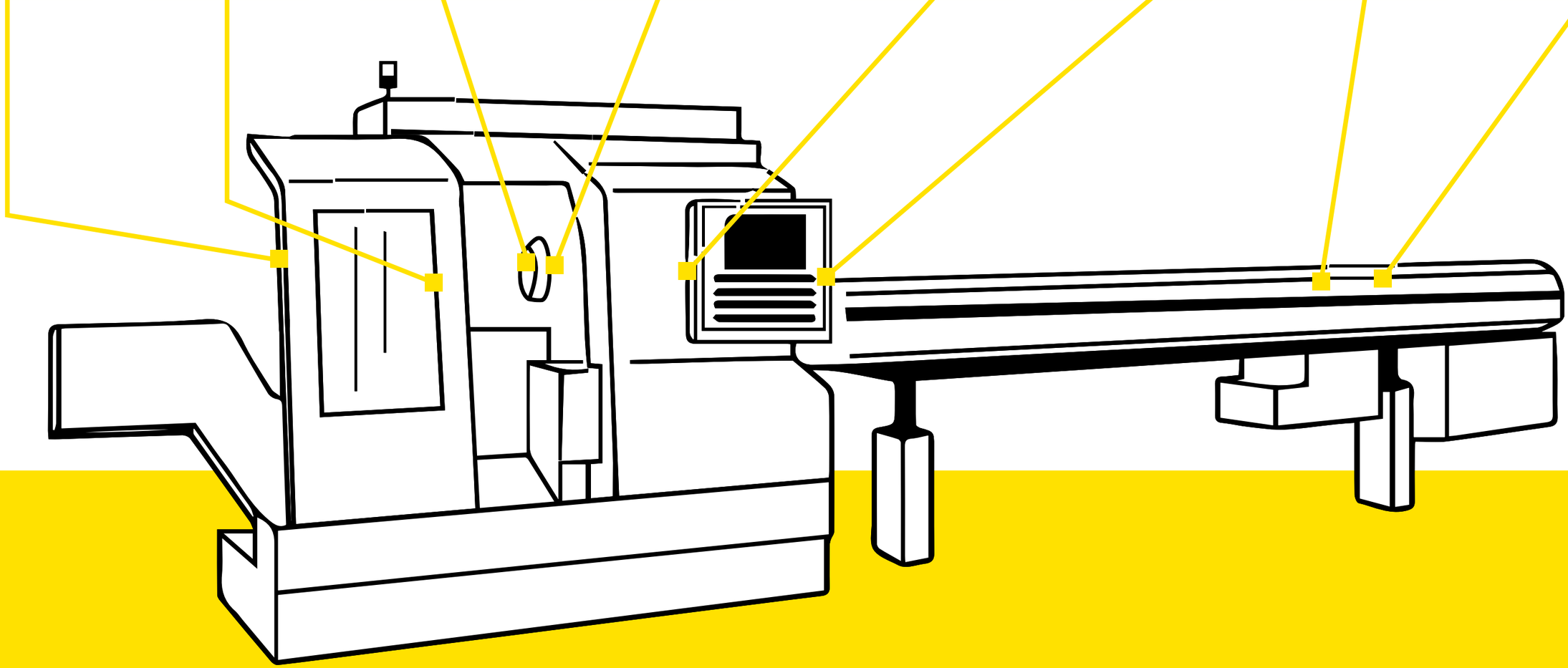
FLEXIBLE GUIDE BUSH

COLLET CHUCK WITH GROOVES

SPINDLE REDUCER

CLAMPING SLEEVE

BEARING



EXPERT PROGRAM, MAXIMUM INDIVIDUALITY!

SCHLENKER CLAMPING TOOLS.

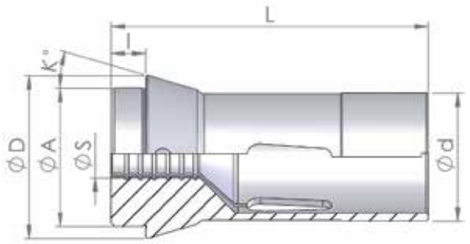
Schlenker collet chucks

IN ALL SIZES AND PROFILES!

COLLET CHUCKS

Pressure collet chucks

- Pressure collet chucks are intended for tool clamping on conventional and CNC lathes. They are used directly in the spindle or collet chuck.
- From SW8, hexagonal and square profile collet chucks come standard with transverse grooves.

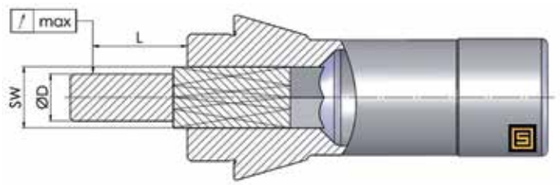


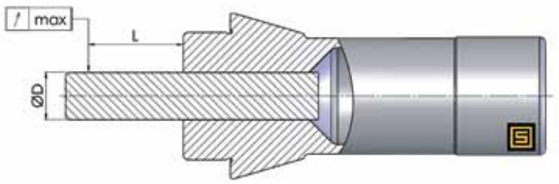
SMOOTH COLLET CHUCK

- Collet chuck does not leave any marks on already processed workpiece or workpiece still to be processed
- Collet chucks up to Ø 5.9 smooth as standard version
- Collet chucks larger than 177 E up to Ø 7.9 smooth

TRANSVERSE GROOVES

- From Ø 6, all collet chucks com standard with transverse grooves
- Collet chucks larger than 177 E from Ø 8 with transverse grooves





Concentricity tolerances of collet chucks with a profile					
SW profile		L	Standard	Schlenker standard	
from	to			Standard	UP
0.5	0.9	3	0.12	<0.02	<0.01
1	1.5	6	0.12	<0.02	<0.01
1.6	3	10	0.12	<0.02	<0.01
3.1	6	16	0.12	<0.02	<0.01
6.1	10	25	0.15	<0.02	<0.01
10.1	18	40	0.2	<0.02	<0.01
18.1	24	50	0.2	<0.02	<0.01
24.1	30	60	0.2	<0.02	<0.01
30.0		80	0.2	<0.02	<0.01

Concentricity tolerances of round collet chucks				
Bore		L	Schlenker standard	
from	to		Standard	UP
0.5	0.9	3	<0.01	<0.005
1	1.5	6	<0.01	<0.005
1.6	3	10	<0.015	<0.008
3.1	6	16	<0.015	<0.008
6.1	10	25	<0.015	<0.008
10.1	18	40	<0.02	<0.01
18.1	24	50	<0.02	<0.01
24.1	30	60	<0.02	<0.01
30.0		80	<0.03	<0.015

COLLET CHUCKS

Options for all collet chucks

SMOOTH

- Collet chuck does not leave any marks on already processed workpiece or workpiece still to be processed

L+Q COLLET CHUCK

- Stronger holding force than transverse grooves

SUPER GRIP

- Utmost holding force at same clamping pressure

HARD-METAL-COATED COLLET CHUCK

- Improved holding force on clamping surface

COLLET CHUCK WITH HARD-METAL INSERT

- All standard collet chucks are available with a hard-metal insert resulting in longer service life

UP VERSION

- Improved concentricity properties

BL-COATED COLLET CHUCK

- Smooth surface
- Less shadows on the material to be processed

BRASS / PLASTIC / ALUMINUM JAW COLLET CHUCK

- Prevents pressure marks on the component part
- Jaws are replaceable after wear
- Ideally suited for processing scratch-sensitive materials as well as for careful gripping

SQUARE COLLET CHUCK

- From SW8, hexagonal and square profile collet chucks come standard with transverse grooves

HEXAGONAL COLLET CHUCK

- From SW8, hexagonal profile collet chucks come standard with transverse grooves

SPECIAL PROFILES

- All contours feasible

SINGLE-STEPPED COLLET CHUCKS

- For clamping several diameters of a workpiece at the same time

CONICAL COLLET CHUCKS

- For gripping conical workpieces

S-SLIT COLLET CHUCK

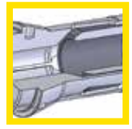
- High and uniform clamping force
- Clamping without leaving marks on the material to be processed
- Can be used alternatively for square and hexagonal material
- No dirt in the collet chuck, since the collet chuck closes almost completely
- Easy to clean after use

VULCANIZED COLLET CHUCK

- Improved dirt resistance

COLLET CHUCK WITH INTERNAL STOP

- For loading the machine manually at a certain length or for stabilizing the workpiece in case of a small clamping surface



COLLET CHUCK WITH INSERTION AID

- For easier insertion in case of small diameters
- Reduce vibrations

GROOVE IN CONE

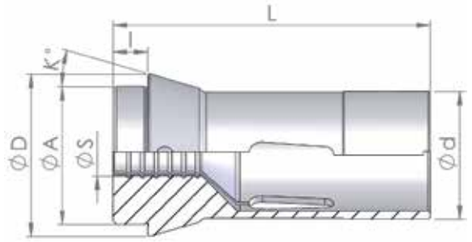
- The groove is intended for aligning the collet chuck in the machine with special as well as square and hexagonal profiles

GROOVE IN SHAFT

- The groove is intended for aligning the collet chuck in the machine with special as well as square and hexagonal profiles

COLLET CHUCKS

Pressure collet chucks



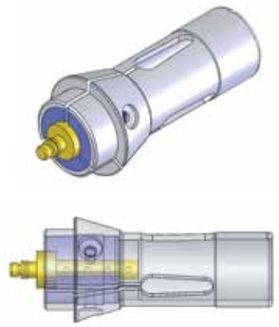
Item	ø d [mm]	ø D [mm]	ø A [mm]	Length l [mm]	Length L [mm]	Cone K [degree]	Clamping diameter S min.–max. [mm]		
							○	□	⬡
101 E TF 8 F 8 - 577	8	12	8	5	42	16	0.5 - 6.5	1.0 - 4.0	1.0 - 5.0
102 E	8	13.7	9	3	30	21	0.5 - 6.0	1.0 - 4.0	1.0 - 5.0
109 E TF 10 F 10	10	15.5	10	5.5	47.5	20	0.5 - 8.0	1.0 - 5.0	1.0 - 6.5
112 E	11	18.7	12	6	41	22	0.5 - 8.0	1.0 - 5.0	1.0 - 6.5
116 E F 13	13	19	13	6	64	16	1.0 - 10.0	2.0 - 7.0	2.0 - 8.0
118E	14	19.5	15	6	46	15	0.5 - 10.5	2.0 - 7.0	2.0 - 8.0
120E TF 15 F 15	15	21	15	6	64	16	0.5 - 12.7	2.0 - 9.0	2.0 - 11.0
1212E TF 16 F 16	16	21	16	6	64	16	0.5 - 13.0	2.0 - 9.0	2.0 - 11.0
SYF 16 M14x0.75	16	21	16	8	66	16	0.5 - 13.0	2.0 - 9.0	2.0 - 11.0
136E F 20-201	20	26	19	5	54	15	0.5 - 16.5	2.0 - 11.0	2.0 - 14.0
138E TF20 F 20-87	20	28	21	7	67	16	0.5 - 17.0	2.0 - 12.0	2.0 - 14.0
140 E TF 22 F 22	22	30	21	6	55	15	0.5 - 17.0	2.0 - 12.0	2.0 - 14.0
TF 24	23.8	28.1	21.85	6.7	62	15	0.5 - 18.5	2.0 - 13.0	2.0 - 16.0
145 E TF 25 F 25	25	35	27	10	77	16	0.5 - 22.0	2.0 - 15.0	2.0 - 19.0
147 E F27 -22	27	38	30	8	72.7	15	0.5 - 23.0	2.0 - 16.0	2.0 - 20.0
148 E F 28	28	38	28	7	70	15	0.5 - 23.0	2.0 - 16.0	2.0 - 20.0
BS 20	28	35	27	10	77	16	0.5 - 23.0	2.0 - 16.0	2.0 - 20.0

Item	ø d [mm]	ø D [mm]	ø A [mm]	Length l [mm]	Length L [mm]	Cone K [degree]	Clamping diameter S min.–max. [mm]		
							○	□	⬡
157 E TF 30 F 30	30	42	34	10	80	16	0.5 - 26.0	2.0 - 18.0	2.0 - 22.0
EF 30 1446 E	30	38	32	6	65	15	0.5 - 26.0	2.0 - 19.0	2.0 - 22.0
161 E F 32	32	45	34	8	75	15	1.0 - 28.0	2.0 -19.0	2.0 - 22.0
0166	32	39.8	33.8	5.9	65	15	1.0 - 28.0	2.0 - 19.0	2.0 - 24.0
162 E	35	43	34	7	70	15	1.0 - 30.0	2.0 - 21.0	2.0 - 26.0
163 E F 35	35	48	38	8	80	15	1.0 - 30.0	2.0 - 22.0	2.0 - 27.0
EF 37 TF 37 1536 E	37	47	40	10	92	16	1.0 - 33.0	2.0 - 23.0	2.0 - 27.0
164 E F 38	38.08	49	38	9	108	15	1.0 - 33.0	2.0 - 22.0	2.0 - 27.0
171 E F 42	42	55	42	9	94	15	1.0 - 38.0	4.0 - 26.0	4.0 - 32.0
TF 43	42.95	53	46	10	92	16	1.0 - 39.0	4.0 - 27.0	4.0 - 33.0
173 E F 48	48	60	50	9	94	15	1.0 - 43.0	4.0 - 30.0	4.0 - 36.0
TF 48	48	60	50	9	94	15	1.0 - 42.0	4.0 - 30.0	4.0 - 36.0
BS 38	47.95	54.25	44	10	100	15	1.0 - 40.0	4.0 - 28.0	4.0 - 34.0
177 E F 58	58	70	60	9	94	15	3.0 - 52.0	4.0 - 36.0	4.0 - 44.0
185 E F66	66	84	73	9	110	15	3.0 - 62.0	5.0 - 41.0	5.0 - 55.0
185 E - Short F66		84	73	9	40	15	61.0 - 65.0		
190 E F 88	88	106	94	10	115	15	60.0 - 80.0	20.0 - 56.0	20.0 - 69.0
193E F 90	90	107			130	15	60.0 - 80.0	20.0 - 56.0	20.0 - 69.0
196 E F 112	112	138			120	15	24.0 - 100.0	30.0 - 70.0	30.0 - 86.0

COLLET CHUCKS / SPECIAL REQUIREMENTS

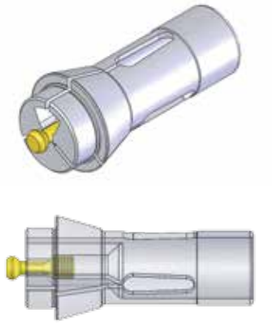
The new emergency collet chuck

- Available with different false jaws
- Collet chuck with exchangeable inserts for turning them out yourself



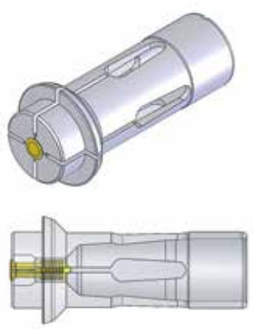
Offset-gripping collet chucks

- Collet chuck with a lateral window for inserting the workpiece



Spanning collet chucks

- Collet chuck with a larger opening path



ORDERING CUSTOM-MADE COLLET CHUCKS!

Order your collet chucks the easy way

Download the Custom Collet form from our website.

1 - Download the pdf data sheet.
2 - Check the box next to the collet chuck with the feature you require.
3 - Enter the desired dimensions.

According to these specifications, we will immediately produce the proper collet chuck for you.

ACHIEVING YOUR GOAL FASTER

Simply use your smartphone or tablet PC to scan the QR code.

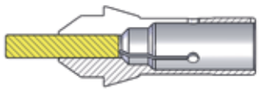
Find form under Downloads at www.schlenker-spannwerkzeuge.de

COLLET CHUCKS

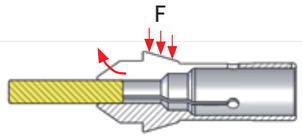
Stem collet chucks

- The widening of the collet chuck causes concentricity problems and, due to the bending stress, may result in a fracture in the spring area. This occurs especially in the case of component parts which are clamped using short tools only in the front area of the collet chuck (outside the cone area).

  In these cases, we therefore recommend using the reinforced version.



OK



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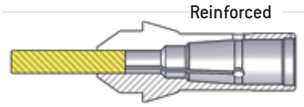
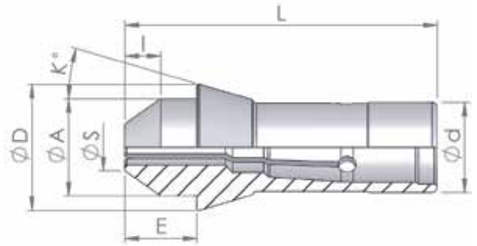


OK

Special stem versions according to customer requirements.

- In order to support the workpiece, an extended collet chuck is recommended.
- Depending on the customer requirements, the stem can be supplied in various lengths and types.

- If the workpiece is clamping only at the front outside the conical area in the collet chuck, a special Schlenker version (VBV-reinforced) is available to extend the service life of the collet chuck.

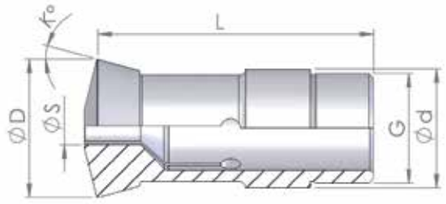


Item	ø d [mm]	ø D [mm]	Length L [mm]	Stem length l [mm]	E [mm]	ø A [mm]	Thread G*	Cone [degree]	Clamping diameter S min.–max. [mm]
									●
116 E VBV F 13 - 2014	13	19	70	6	12	13		16	0.5 - 10.0
116 E VBV M11 x 0.75	13	19	70	6	12	13	M11 x 0.75	16	0.5 - 10.0
120 E VBV F15 - 580	15	21	71 73	7 9	13 15	15		16	0.5 - 12.0
120 E VBV M12 x 0.75	15	21	71 73	7 9	13 15	15	M12 x 0.75	16	0.5 - 12.0
1212 E VBV F16 - 1076	16	21	71 73	7 9	13 15	16		16	0.5 - 12.0
1212 E VBV F16 - 1076 M14 x 0.75	16	21	71 73	7 9	13 15	16	M14 x 0.75	16	0.5 - 12.0
138 E VBV F20 - 87	20	28	78 80	8 13	15 20	21		16	0.5 - 16.0
138 E VBV M17 x 0.75	20	28	78 80	8 13	15 20	21	M17 x 0.75	16	0.5 - 16.0
136 E VBV F20 - 201	20	26	62 64	8 10	13 15	19		15	0.5 - 16.0
136 E VBV M18 x 1	20	26	62 64	8 10	13 15	19	M18 x 1	15	0.5 - 16.0
145 E VBV F25 - 64	25	35	87 92	10 15	20 25	27		16	0.5 - 20.0
145 E VBV M22 x 1	25	35	87 92	10 15	20 25	27	M22 x 1	16	0.5 - 20.0
157 E VBV F30 - 101	30	38	79	10	20	32		15	1.0 - 26.0
163 E VBV F35 - 2010	35	48	100	19	27	38		15	1.0 - 30.0
1536 E VBV F37 - 740	37	47	102 107	10 15	20 25	40		16	1.0 - 32.0
164 E VBV F38 - 72	38.08	49	123	16.5	24.5	38		15	1.0 -32.0
173 E VBV F48 - 81	48	60	113	19	28	50		15	2.0 - 42.0

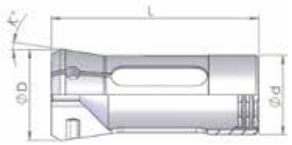
* Upon request

All stem collet chucks are also available as non-reinforced versions

Collet chucks for multi-spindle machine Series 9000

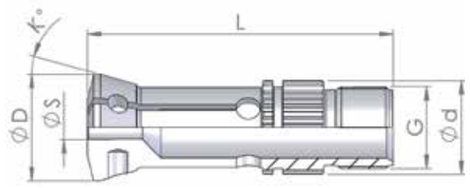


Item	ø d [mm]	ø D [mm]	Length L [mm]	Cone K [degree]	Thread G	Clamping diameter S max. [mm]		
						○	□	⬡
9007 E	32	41.5	79	15	M 28 x 1 L	19.0	13.0	16.0
9012 E	34	42	85	16	M 30 x 1 L	20.0	14.0	17.0
9017 E	38	45.5	90	16	M 34.5 x 0.75 L	25.0	17.0	22.0
9034 E	41.27	54.64	130	15	M1.484" x 1/24" L	25.0	17.0	22.0
9039 E	46	62.5	112	15	M 40 x 1.5 L	33.0	24.0	29.0
9049 E	46	60.3	112	15	M 40 x 1.5 L	27.0	18.0	22.0
9070 E	53	69.3	128	15	M 47 x 1.5 L	32.0	23.0	28.0
9112 E	62.9	78.3	147	15	M 56 x 1.5 L	40.0	28.0	35.0



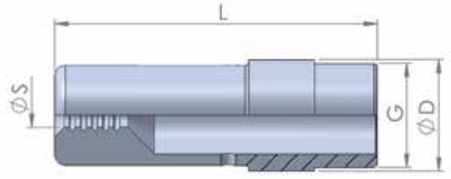
9012 ETPU	28	32	73	8		24.0	17.0	21.0
9039 ETPU	35.5	40	80	8		32.0	22.0	27.0

TW20



Item	ø d [mm]	ø D [mm]	Length L [mm]	Cone K [degree]	Thread G	Clamping diameter S max. [mm]		
						○	□	⬡
TW 20	23	26	75	15	M 20 x 1	3.0 - 15.0	4.0 - 10.0	4.0 - 12.0

Feeding collet Series 200

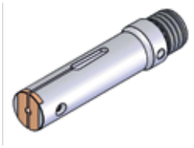


Item	ø D [mm]	Length L [mm]	Thread G	Clamping diameter S max. [mm]		
				○	□	⬡
207 E	18	70	M 16 x 1 L	12.0	8.0	10.0
217 E	21	70	M 20 x 1 L	16.0	11.0	15.0
220 E	24	85	M 22 x 1 L	18.0	13.0	16.0
236 E	30	95	M 28 x 1 L	24.0	16.0	21.0
237 E	31	90	M 29 x 1 L	25.0	18.0	22.0
254 E	42	116	M 40 x 1 L	36.0	25.0	31.0
273 E	60	140	M 58 x 1 L	52.0	36.0	45.0

Feeding collets for multi-spindle machine Series 9000

Item	ø D [mm]	Length L [mm]	Thread G	Clamping diameter S max. [mm]		
				○	□	⬡
9268 E	22	86	M 20 x 1 L	16.0	11.0	14.0
9265 E	22.8	98	M 20 x 0.75L	16.0	11.0	14.0
9255 E	25	88	M 23 x 1	19.0	13.0	16.0
9258 E	25	90	M 24 x 1 L	20.0	14.0	17.0
9282 E	34.7	118	M 33 x 1.5	25.0	18.0	22.0
9319 E	41.8	130	M 38 x 1.5	32.0	23.0	28.0
9372 E	51	154	M 48 x 1.5	40.0	28.0	35.0

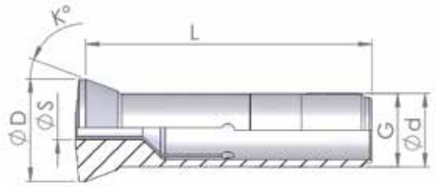
Special solution for scratch-proof movements due to the use of plastic or brass jaws.



COLLET CHUCKS

Draw-in collets

- Available for workpiece clamping for all current grinding machines, dividing heads, and second-operation lathes.
- Draw-in collets are smooth as standard version.
- Clamping is ensured by the retraction of the collet chuck in its holder.



OPTIONS

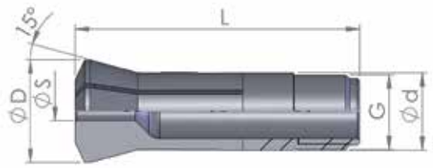
- Hard-metal-coated collet chuck
- Collet chuck with hard-metal insert
- BL-coated collet chuck
- UP version
- Square collet chuck
- Hexagonal collet chuck
- S-slit collet chuck
- Stem collet chuck (see page 18-19)
- Vulcanized collet chuck
- Smooth collet chuck

Item	ø d [mm]	ø D [mm]	Length L [mm]	Cone K [degree]	Thread G	Clamping diameter S min.–max. [mm]		
						○	□	⬡
324 E	15	21.5	53	20	M 13 x 1	1.0 - 13.0	2.0 - 6.0	2.0 - 8.0
3409 E	20	28	90	8	Tr. 20 x 1.5	2.0 - 16.0		
351 E	20	28	80	20	Tr.20 x 1.5	1.0 - 17.5	2.0 - 10.0	2.0 - 13.0
358 E	23	32	82	20	M 21 x 1	1.0 - 21.5	2.0 - 12.0	2.0 - 14.0
359 E	23	32	90	20	Tr. 23 x 1.5	1.0 - 20.0	2.0 - 12.0	2.0 - 14.0
363 E	25	33.5	84	16	M 23 x 1	1.0 - 22.0	2.0 - 12.0	2.0 - 15.0
366 E	28	36	102	18	Tr. 27 x 1/20"	1.0 - 25.0	2.0 - 15.0	2.0 - 18.0
367 E	28	38	100	20	Tr. 28 x 1.5	1.0 - 24.0	2.0 - 16.0	2.0 - 19.0
385 E	31.75	37.5	83	10	Outside: 31.45 x 1/20" Inside: 26.44 x 1.058	1.0 - 26.0	2.0 - 18.0	2.0 - 22.0
386 E	32	45	110	20	Tr. 32 x 1.5	1.0 - 30.0	3.0 - 19.0	3.0 - 23.0
666 E	25	35	59.5	20	M 25 x 1	3.0 - 20.0		
K 20	20	28	80	20	Tr. 20 x 1.5	2.0 - 17.5	2.0 - 10	2.0 - 13.0
K 23	23	32	90	20	Tr. 23 x 1.5	3.0 - 20.0	3.0 - 12.0	3.0 - 14.0
K 32	32	45	110	20	Tr. 32 x 1.5	4.0 - 30.0	4.0 - 19.0	4.0 - 23.0
K 45	45	60	140	20	Tr. 45 x 2	5.0 - 37.0	5.0 - 26.0	5.0 - 32.0
KDT 38	58	70.3	100	15	M 50 x 1.5	38.0	26.0	32.0

Schlenker SPANNWERKZEUGE

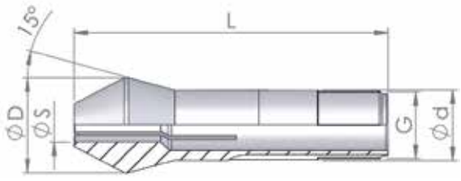
COLLET CHUCKS

Draw-in collets SW



Item	ø d [mm]	ø D [mm]	Length L [mm]	Thread G	Clamping diameter S min.–max. [mm]		
					○	□	⬡
SW 12 80-2 318 E	12	16	46	Ø 11.75 x 1.25 45° / 5°	0.5 - 10.0		
SW 15 80-3 321 E	15	20.2	58.3	Ø 14.75 x 1.25 45° / 5°	0.5 - 16.0		
SW 20 80-4 349 E	20	26.3	73	Ø 19.7 x 1.666 45° / 5°	1.0 - 19.0	2.0 - 10.0	2.0 - 12.0
SW 25 80-5 364 E	25	33.7	97.6	Ø 24.7 x 1.693 45° / 5°	1.0 - 19.0	2.0 - 10.0	2.0 - 12.0
B 32 72-65	32	40	106	Ø 29.7 x 1.693 45° / 5°	1.0 - 24.0	3.0 - 16.0	3.0 - 20.0
B 45 72-199	45	53	115	M 42 x 1.5	5.0 - 36.0	5.0 - 25.0	5.0 - 30.0

Draw-in collets SW as stem version



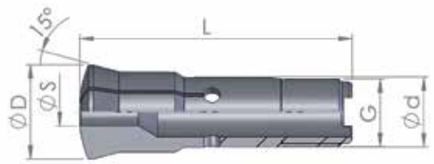
Item	ø d [mm]	ø D [mm]	Length L [mm]	Thread G	Clamping diameter S min.–max. [mm]		
					○	□	⬡
SW15 VB12 321 E	15	20.2	67	Ø 14.75 x 1.25 45° / 5°	0.5 - 10.0		
SW20 VB15.5 349E	20	26.3	84.5	Ø 19.7 x 1.666 45° / 5°	0.5 - 16.0		
SW 25 VB19.5 364E	25	33.7	112	Ø 24.7 x 1.693 45° / 5°	1.0 - 19.0		
B 32 VB24	32	40	124	Ø 29.7 x 1.693 45° / 5°	1.0 - 24.0		
B32/45 VB32.5	32	53	148.5	Ø 29.7 x 1.693 45° / 5°	5.0 - 36.0		

Schlenker SPANNWERKZEUGE

COLLET CHUCKS

Hydromat collet chucks

- Collet chucks for rotary transfer machines (Hydromat Pfiffner, Eubama).



OPTIONS

- Square collet chuck
- Hexagonal collet chuck
- S-slit collet chuck

BAYONET (QC)

- Rapid change system with bayonet catch

SPECIAL VERSION

- All special contours are possible upon request
- Both sink- and wire-eroded

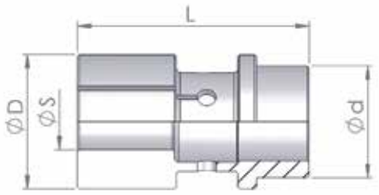
Item	ø d [mm]	ø D [mm]	Length L [mm]	Thread G	Clamping diameter S min.–max. [mm]			Stepped bore length
					○	□	⬡	
SHW 20	20	26.3	96.5	Ø 19.7 x 1.666 45° / 5°	1.0 - 20.0	2.0 - 10.0	2.0 - 12.0	31
SHW 25	25	33.7	97.6	Ø 24.7 x 1.693 45° / 5°	3.0 - 25.0	3.0 - 12.0	3.0 - 15.0	31
SHW25QC	25	33.7	97.6	Bayonet	3.0 - 25.0	3.0 - 12.0	3.0 - 15.0	31
SHB 32	32	40	106	Ø 29.7 x 1.693 45° / 5°	3.0 - 28.0	3.0 - 19.0	3.0 - 24.0	44
SHB 32QC	32	40	106	Bayonet	3.0 - 28.0	3.0 -19.0	3.0 - 24.0	44
SHB 32 / 45	32	53	122	Ø 29.7 x 1.693 45°/5°	3.0 - 41.0	3.0 - 29.0	3.0 - 35.0	50
SHB 45	45	53	115	M 42 x 1.5	3.0 - 41.0	3.0 - 29.0	3.0 - 35.0	53
SHB45QC	45	53	116.5	Bayonet	3.0 - 41.0	3.0 - 29.0	3.0 - 35.0	53
SHB 45 / 60	45	68	129.5	M 42 x 1.5	Upon request	Upon request	Upon request	

Sleeves for Hydromat collet chucks upon request.

COLLET CHUCKS

Synchronous collet chucks

- For index lathes.

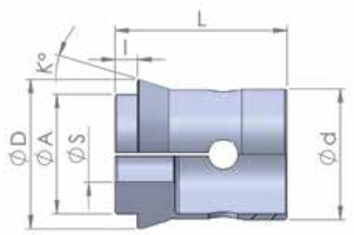


Item	Machine / type	ø D [mm]	ø d [mm]	Length L [mm]	Clamping diameter S min.–max. [mm]
1444 E	GS 30	36	30	62	4.0 - 30.0
1462 E	GS 42, GB 42, GB 65, GSC 42	48	30	62	4.0 - 42.0
1465 E	GS / GSC 65, GS 42 S	62	30	94	6.0 - 56.0

Clamping fingers

Clamping fingers for all lathes available upon request.

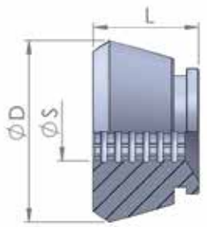
Grippers



Item	ø d [mm]	ø D [mm]	Ø A [mm]	Length l [mm]	Length L [mm]	Type	Clamping diameter S min.–max. [mm]		
							○	□	⬡
75 - 81.1410	Thread M 10 x 1	14	11	23	23	Gauthier	1.0 - 7.0		
75 - 14.0498	Thread M 12 x 1	18	12	23	23	Gauthier	1.0 - 10.0		
M 105	12	14.5	10.5	6	21	Strohm	1.0 - 8.5		
M 105 stem	12	14.5	10.5	Variable	Variable	Strohm	3.0 - 8.0		
M 125	15	17	13	2	17	Strohm	1.0 - 12.0		
M 125 stem	15	17	13	Variable	Variable	Strohm	1.0 - 12.0		
G694 694285	16	19	13	2.5	22	Traub	1.0 - 10.0		
M 205	24	28	22	6	36	Strohm	2.0 - 20.0	2.0 - 14.0	2.0 - 18.0
612	35	40	32	6	46	TNS 28	1.0 - 30.0	2.0 - 20.0	2.0 - 25.0
612 M Reinforced shaft	35	40	32	6	46	Manurhin K'MX	1.0 - 30.0	2.0 - 20.0	2.0 - 25.0
721	46	54.75	48	6	65	TNS 30 / 42	1.0 - 42.0		
722	44.4	55	42	8.5	64		3.0 - 37.0		
952	61.5	71.5	62	6	65	TNM 65	5.0 - 59.0		

Clamping heads

» The clamping head is intended for workpiece clamping on conventional and CNC lathes. It is used directly in the spindle or collet chuck.



OPTIONS

TRANSVERSE WITH LONGITUDINAL GROOVES

- Powerful clamping with clamping marks
- Clamping of raw material
- Concentricity < 0.01 mm possible
- Easy set-up, full bore, parallel clamping
- Optimum power transmission, high rigidity and holding force as well as minimal wear
- Also available with grooves upon request

SMOOTH

- Clamping almost without any marks
- Clamping of already processed contours
- Concentricity < 0.01 mm possible
- Easy set-up, full bore, parallel clamping, optimum power transmission, high rigidity and holding force as well as minimal wear

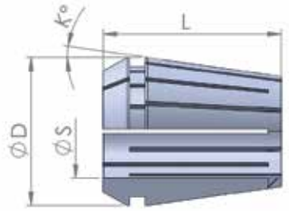
Also available as square and hexagonal versions.

Item	ø D [mm]	Length L [mm]	Version	Clamping diameter S min.–max. [mm]
SK 32	58	44	Smooth	4.0 - 32.0
		47	With transverse grooves	8.0 - 10.0
			With transverse and longitudinal grooves	11.0 - 32.0
SK 42	80	42	Smooth	5.0 - 42.0
		47	With transverse grooves	8.0 - 10.0
			With transverse and longitudinal grooves	11.0 - 42.0
SK 52	80	53	Smooth	5.0 - 52.0
		46	With transverse grooves	8.0 - 10.0
			With transverse and longitudinal grooves	11.0 - 52.0
SK 65	99.5	58	Smooth	5.0 - 65.0
			With transverse grooves	8.0 - 10.0
			With transverse and longitudinal grooves	11.0 - 65.0
SK 80	115	53	Smooth	5.0 - 80.0
			With transverse grooves	8.0 - 10.0
			With transverse and longitudinal grooves	11.0 - 80.0
SK 100	144.5	59	Smooth	42.0 - 100.0
			With transverse and longitudinal grooves	42.0 - 102.0

COLLET CHUCKS

ER collet chucks and tapping collets

- For tool clamping.
- Accessories (union nut, wrench) also available for ER collet chucks.



OPTIONS

SEALED

- Concentricity and repeat accuracy: average 5 µm
- Collapse h8, i.e. only the nominal size can be clamped
- Special properties: With sealing for interior cooling (suited for up to 120 bar) Colored ring as identification (no sealing function)
- **NOTE:** Shafts with lateral surfaces can only be used to a certain extent, i.e. the surface must be located behind the rubber plug in order to ensure proper sealing

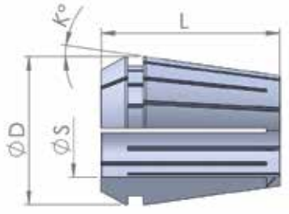
UP VERSION

- Concentricity and repeat accuracy: average 3 µm
- Special properties: Colored ring as identification (no sealing function)

COLLET CHUCKS

ER collet chuck series 400

- For tool clamping.



Item	ø D [mm]	Length L [mm]	Cone K [degree]	Clamping diameter S min.–max. [mm]	Pitch [mm]
ER 8 4004 E	8	13.8	8	1.0 - 5.0	0.5
ER 11 4008 E	11	17	8	1.0 - 7.0	0.5
ER 16 426 E	17	28	8	1.0 - 10.0	1.0
ER 20 428 E	21	32	8	1.0 - 12.5	1.0
ER 25 430 E	26	34	8	1.0 - 16.0	1.0
ER 32 470 E	33	40	8	2.0 - 20.0	1.0
ER 40 472 E	41	46	8	3.0 - 30.0	1.0
ER 50 477 E	52	60	8	6.0 - 34.0	1.0

Up to ER 40/472E, the collet chucks are also available as entire kits with wood storage boxes.

Schlenker guide bushes

IN ALL SIZES AND PROFILES!

GUIDE BUSHES

Options: adjustable guide bushes

S-SLIT GUIDE BUSH

- Ideally suited for high-pressure rinsing in the machine
- No burr and dirt residues in the guide bush
- Concentricity behavior better than in the standard version
- Ideally suited for square and hexagonal material
- Steady guiding
- Guiding without leaving marks on the material to be processed
- Easy to clean after use

GUIDE BUSH WITH PROLONGED HARD-METAL INSERT

- Guide surface up to 40 mm
- Processing of a larger range of component parts
- High concentricity

VULCANIZED GUIDE BUSH

- Improved dirt resistance

STEM GUIDE BUSH

- Serves to improve the stability of the workpiece when using driven tools by moving the guide surface towards the front

SB GUIDE BUSH

- Ideally suited for material with a scratch-sensitive surface
- For material with bad sliding properties such as titanium
- Serves to prevent welding between the guide surface and the workpiece (stick-slip effect)

BL-COATED GUIDE BUSH

- For titanium processing due to better sliding properties
- Ideally suited for smaller quantities, since it is the cost-effective alternative to SB bushes
- Serves to prevent the material from welding in the guide bush

CLOSED GUIDE BUSH

- Bushes are ground to the precise nominal diameter of the material to be processed. Adjusting the guide bush is no longer necessary

SPECIAL PROFILES

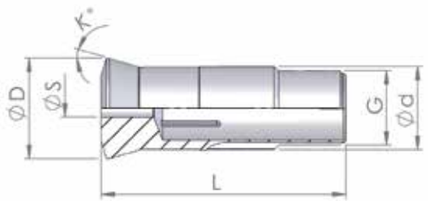
- All contours feasible

ALIGNMENT PIN FOR GUIDE BUSH SUPPORT

- Inspection of the spindle is possible by means of alignment pin after a machine crash has occurred.

Adjustable guide bushes

- Hard-metal guide bushes for workpiece guiding available for all current sliding headstock automatic lathes.
- Also available with prolonged guide surface for special applications.

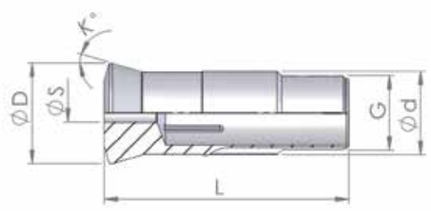


Standard hard-metal lengths	
Ø 2.0 - Ø 4.4	13 mm
Ø 4.5 - Ø 5.9	14 mm
Ø 6.0 - Ø 6.9	15 mm
Ø 7.0 - Ø 10.4	16 mm
Ø 10.5 - Ø 14.4	18 mm
Ø 14.5 - Ø 18.9	19 mm
Ø 19.0 - Ø 20.9	22 mm
Ø 21.0 - Ø 22.4	24 mm
Ø 22.5 - Ø 32.0	25 mm

Item	ø d [mm]	ø D [mm]	Length L [mm]	Cone K [degree]	Thread G	Clamping diameter S min.–max. [mm]		
						○	□	⬡
I 351	9	12.5	44	16	M 8 x 0.75	0.8 - 5.5		
I 352	11	14.5	53	16	M 10 x 0.8	1.0 - 7.0		
F 3001	11	14.5	53	16	M 10 x 0.75	1.0 - 7.0		
I 353	16	20.5	59	16	M 14 x 1	1.0 - 10.5	3.0 - 6.0	3.0 - 10.0
F 853	18	22	60	30	M 16 x 1	1.0 - 13.0	3.0 - 8.0	4.0 - 12.0
SD 125 R	18	21.8	60	30	M 18 x 1	3.0 -13.0		
T 221	21	24	57.5	12	M 18 x 1	3.0 - 15.0	3.0 - 8.0	4.0 - 12.0
SNC 15	21	24	57.5	12	M 18 x 1	3.0 -15.0	3.0 - 8.0	4.0 - 12.0
I 354	22	29	68	16	M 19 x 1	2.0 - 15.0	3.0 - 10.0	4.0 - 13.0
F391	22	29	68	16	M 22 x 1	3.0 - 18.0	3.0 - 12.0	4.0 - 14.0
TSG 20 R	23	28	72	16	M 22 x 1	3.0 - 16.0		
F 605	24	29.5	61	30	M 24 x 1	2.0 - 17.0	3.0 - 12.0	4.0 - 15.0
TD 26	26	29	77	16	M25 x 1	2.0 - 20.0	3.0 - 13.0	4.0 - 16.0
T 223	28	34	82	16	M 25 x 1	3.0 - 22.0	3.0 - 14.0	3.0 - 17.0
T223	28	34	82	16	M 27 x 1	22.0		
I 357	28	38	81	30	M 25 x 1	3.0 - 21.0	3.0 - 14.0	4.0 - 17.0
T 227	34	41	87.5	10	M 34 x 1	3.0 - 25.0	3.0 - 15.0	4.0 - 22.0
F 854	40	48	71	30	M 36 x 1	3.0 - 26.0		
T 229	42	49	82	16	M 40 x 1	4.0 - 33.0	3.0 - 25.0	4.0 - 27.0
TD 32	42	47.9	81.8	20	M 40 x 1	4.0 - 32.0	3.0 - 25.0	4.0 - 27.0
ML 36	44	51	82	16	M 42 x 1	3.0 - 35.0		
SL 38	46	53	82	16	M 45 x 1	3.0 - 38.0		
ST 38	48	54	82	16	M 46 x 1	3.0 - 38.0		
B 240	48	54	81	10	M 46 x 1	3.0 - 38.0		

Programmable guide bushes

- The Axfix guide bushes come in the UP version as a standard, vulcanized and with bush.
- The Axfix guide bush has been specially designed for Traub machines. It is currently used in the TNL 18 (T223 Axfix 902860) and is also intended for future use in the TNL32 (T229 Axfix 907820).
- Axfix Guide Bush Advantages:
  - Optimum adaptation to various rod materials.
  - Rapid adjustment of the guide bush (by means of pneumatic adjustment of guide pressure).
  - Material clamping for milling, parting-off and recessing operations possible if there is no Z movement of the main spindle (as with all programmable Schlenker guide bushes for Traub machines).
- High process reliability: Cleanliness by means of vulcanization and automatic material defect compensation.
- Axfix Guide Bush features:
  - Larger relief bores.
  - Longer slits.
  - Additional longitudinal slits for even more guide bush flexibility.
  - For this version, too, vulcanization and brass bushes are recommended by the machine manufacturer and available as an option.

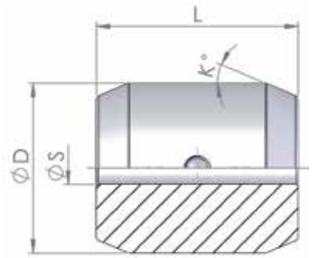


Adjustable guide bushes with hard-metal insert, programmable, for Traub

Item	Traub Draw. no.	ø d [mm]	ø D [mm]	Length L [mm]	Cone K [degree]	Thread G	Clamping diameter S min.–max. [mm]
FTS 221	989 468	21	24	65.5	12	M 18 x 1	1.5 - 16.0
FTS 3402	989 517	27	30	67.5	12	M 24 x 1	3.0 - 16.0
T223 AXFIX	902 860	28	34	82	16	M 25 x 1	3.0 - 21.0
T 227	986 761	34	41	87.5	10	M 34 x 1	3.0 - 15.0
T 229 AXFIX	907820	42	46	81.5	16	M 40 x 1	4.0 - 32.0

SDK guide bushes

- Highest flexibility due to integrated spring package.
- Single piece construction.
- High concentricity.
- Can be ground up to one millimeter.
- Cost-effective - ground bushes can be reused.
- Chips cannot get caught in the bush.
- The bush closes completely and protects the material to be processed from pressure marks and dirt.



Item	ø D [mm]	Length L [mm]	Cone K [degree]	ø S
SDK 48	48	60	22.5°	3.0 - 36.0
SDK 42	42	50	22.5°	3.0 - 32.0
SDK 33	33	40	22.5°	3.0 - 23.0
SDK 28	28	40	22.5°	3.0 - 20.0
SDK 24	24	35	22.5°	3.0 - 12.0

OPTIONS

GUIDE BUSH WITH HARD-METAL INSERT

- Hard-metal guide bushes available for workpiece guiding
- For all current sliding headstock automatic lathes
- Provides longer service life
- The material used should be specified when making the request

STEEL-HARDENED AND BL-COATED GUIDE BUSH

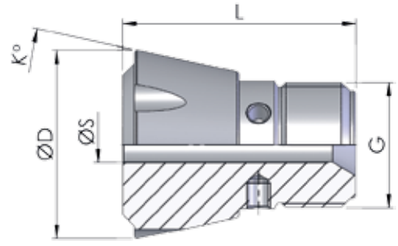
- Provides longer service life
- For material with inherent sliding properties such as brass, bronze, copper, plastic etc.
- Serves to prevent the material from welding in the guide bush

SPECIAL PROFILES

- All contours feasible

SZZ guide bushes

- Highest flexibility due to integrated spring package.
- Single piece construction.
- High concentricity.
- Chips cannot get caught in the bush.
- The bush closes completely and protects the material to be processed from pressure marks and dirt.



Unit number	ø D [mm]	Length L [mm]	Cone K [degree]	Thread G
SZZ 54	54	50	12°	M 40 x 1.5
SZZ 37	37	40	12°	M 25 x 2
SZZ 32.5	32.5	40	12°	M 21.5 x 2
SZZ 26	26	35	12°	M 16 x 1.5

OPTIONS

GUIDE BUSH WITH HARD-METAL INSERT

- Hard-metal guide bushes available for workpiece guiding
- For all current sliding headstock automatic lathes
- Provides longer service life
- The material used should be specified when making the request

STEEL-HARDENED AND BL-COATED GUIDE BUSH

- Provides longer service life
- For material with inherent sliding properties such as brass, bronze, copper, plastic etc.
- Serves to prevent the material from welding in the guide bush

SPECIAL PROFILES

- All contours feasible

STEM

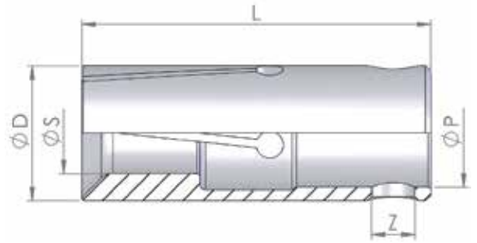
- Serves to improve the stability of the workpiece when using driven tools by moving the guide surface towards the front

Schlenker clamping sleeves

IN ALL SIZES AND PROFILES!

CLAMPING SLEEVES

SHK clamping sleeves



OPTIONS

HOLDING-FORCE ADAPTATION

» Holding forces can be increased or reduced according to customer requirements

CLOSED

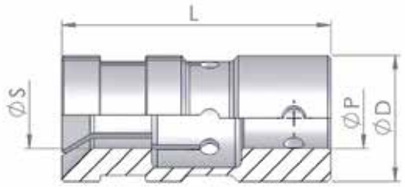
» Reduction of changeover times due to entire channel utilization

PROFILES

Item	Slide Ø	ø D [mm]	ø Z [mm]	ø P [mm]	Length L [mm]	Clamping diameter S min.–max. [mm]		
						○	□	⬡
S 5 200 E	D 5	5 / 5.5		M 4	37	1.0 - 4.5		
S 7 208 E	D 7	7 / 7.5		M 5	37	1.0 - 6.2		
S 7 B Bechler	D 7	7		M 4	30	1.0 - 6.0		
S 10 210 E	D 10	10	4	7 H 7	40	1.0 - 10.0	3.0 - 6.35	3.0 - 8.0
S 10 B Bechler	D 10	10		M 5	26	2.0 - 10.0		
S 12 212 E	D 12	12	4	8 H 7	40	3.0 - 11.0	3.0 - 8.0	3.0 - 9.0
S 13 213 E	D 13	13	4	8 H 7	40	2.0 - 12.0	3.0 - 8.0	3.0 - 10.0
S 15 203 E	D 15	15	6	11 H 7	40	3.0 - 14.0	3.0 - 10.0	3.0 - 12.0
S 16 SHK 16	D 16	16	6	11 H 7	40	3.0 - 15.0	3.0 - 10.0	3.0 - 13.0
S 18 218 E	D 18	18	6	11 H 7	40	3.0 - 16.0	5.0 - 12.0	5.0 - 14.0
S 20 225 E	D 20	20	8	14 H 7	65	4.0 - 19.0	5.0 - 14.0	5.0 - 16.0
S 21 SHK 21	D 21	21	8	14 H 7	65	15.0 - 20.0		
S 22 SHK 22	D 22	22	8	14 H 7	65	4.0 - 21.0		
S 23 SHK 23	D 23	23	8	14 H 7	65	5.0 - 22.0		
S 25 222 E	D 25	25	8	20 H 7	65	4.0 - 24.0	5.0 - 16.0	5.0 - 20.0
S 28 227 E	D 28	28	8	20 H 7	65	3.0 - 26.5	5.0 - 17.0	5.0 - 22.0
S30 SHK30	D30	30	8	20H7	65	5.0- 28.0	5.0 - 20.0	5.0 - 24
S32 SHK32	D32	32	8	20H8	65	5.0 - 30.0	5.0 - 22.0	5.0 - 25.4
S34 SHK34	D34	34	8	20H9	65	10.0 - 32	10.0 - 22.0	10.0 - 27.0
S36 SHK36	D36	36	8	20H10	65	8.0 - 33.0	8.0 - 22.0	8.0 - 28.0

CLAMPING SLEEVES

as turbo version



OPTIONS

HOLDING-FORCE ADAPTATION

- Holding forces can be increased or reduced according to customer requirements
- Spring enhances the holding forces
- Strongly recommended for XT magazine

CLOSED

- Reduction of changeover times due to entire channel utilization

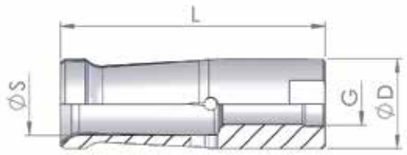
PROFILES

Item	Slide ø	ø D [mm]	ø P [mm]	Length L [mm]	Clamping diameter S min.–max. [mm]		
					○	□	⬡
ST 25 SHT 25	D 25	25	20 H 7	90	4.0 - 22.0	5.0 - 16.0	5.0 - 20.0
ST 28 SHT 28	D 28	28	20 H 7	90	4.0 - 25.0	5.0 - 17.0	5.0 - 22.0
ST 30 SHT 30	D 30	30	20 H 7	90	5.0 - 28.0	5.0 - 19.0	5.0 - 24.0
ST 32 SHT 32	D 32	32	20 H 7	90	5.0 - 30.0	5.0 - 20.0	5.0 - 26.0
ST 34 SHT 34	D 34	34	20 H 7	90	5.0 - 32.0	10.0 - 20.0	10.0 - 27.0
ST 35 SHT 35	D 35	35	20 H 7	90	5.0 - 33.0		
ST 36 SHT 36	D 36	36	20 H 7	90	6.0 - 34.0	6.0 - 24.0	6.0 - 28.0
ST 38 SHT 38	D 38	38	20 H 7	90	6.0 - 36.0	6.0 - 24.0	6.0 - 30.0
ST 40 SHT 40	D 40	40	20 H 7	90	10.0 - 38.0	10.0 - 25.0	10.0 - 32.0
ST42 SHT 42	D 42	42	20 H 7	90	6.0 - 40.5	10.0 - 28.0	10.0 - 35.0
ST 44 SHT 44	D 44	44	20 H 7	90	10.0 - 42.0		
ST 45 SHT 45	D 45	45	20 H 7	90	6.0 - 43.0	10.0 - 30.0	10.0 - 36.0
ST 50 SHT 50	D 50	50	20 H 7	90	6.0 - 48.0	10.0 - 32.0	10.0 - 41.0
ST 54 SHT 54	D 54	54	20 H 7	90	10.0 - 52.0		
ST 58 SHT 58	D 58	58	20 H 7	90	15.0 - 56.0		

Item	Slide ø	ø D [mm]	ø P [mm]	Length L [mm]	Clamping diameter S min.–max. [mm]		
					○	□	⬡
ST60 SHT 60	D 60	60	20 H 7	90	8.0 - 58.0	10.0 - 40.0	10.0 - 50.0
ST63 SHT63	D 63	63	20 H 7	90	15.0 - 61.0		
ST65 SHT 65	D 65	65	20 H 7	90	8.0 - 63.0	10.0 - 42.0	10.0 - 55.0
ST 70 SHT 70	D 70	70	20 H 7	90	12.0 - 66.0		
ST 75 SHT 75	D 75	75	20 / 35 H 7	90	20.0 - 72.0		
ST 80 SHT 80	D 80	80	35 H 7	90	20.0 - 76.0		
ST90 SHT 90	D 90	90	35 H 7	90	50.0 - 84.0		
ST 100 SHT 100	D 100	100	35 H 7	110	60.0 - 95.0		

CLAMPING SLEEVES

as IEMCA version



OPTIONS

HOLDING-FORCE ADAPTATION

- Holding forces can be increased or reduced according to customer requirements

CLOSED

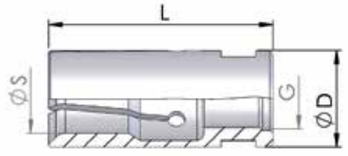
- Reduction of changeover times due to entire channel utilization

PROFILES

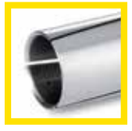
Item	Slide ø	ø D [mm]	Thread G	Length L [mm]	Clamping diameter S min.–max. [mm]
SE 7.5	D 7.5	7.5	M 5 x 0.5	40	2.0 - 6.5
SE 10	D 10	10	M 6 x 0.75	40	2.0 - 8.0
SE 12	D 12	12	M 7 x 0.75	42	3.0 - 11.0
SE 15	D 15	15	M 8 x 1	42	4.0 - 13.0
SE 16	D 16	16	M 8 x 1	42	2.0 - 14.0
SE 18	D 18	18	M 8 x 1	42	12.5 - 16
SE 20	D 20	20	M 10 x 1	59	4.0 - 18.0
SE 22	D 20	20	M 10 x 1	59	4.0 - 20.0
SE 23	D 23	23	M 10 x 1	59	5.0 - 21.0
SE 25	D 25	25	M 10 x 1	59	6.0 - 23.0
SE 27	D 27	27	M 10 x 1	59	8.0 - 25.0
SE 30	D 30	30	M 10 x 1	59	8.0 - 28.0
SE 32	D 32	32	M 25 x 1.5	78	8.0 - 30.0
SE 34	D 34	34	M 25 x 1.5	78	10.0 - 32.0
SE 35	D 35	35	M 25 x 1.5	78	10.0 - 32.0
SE 37	D 37	37	M 25 x 1.5	78	16.0 - 35.0
SE 38	D 38	38	M 25 x 1.5	78	31.0 - 35.0
SE 40	D 40	40	M 25 x 1.5	78	20.0 - 37.0
SE 42	D 42	42	M 25 x 1.5	78	24.0 - 40.0
SE 45	D 45	45	M 25 x 1.5	80	28.0 - 42.0
SE 46	D 46	46	M 25 x 1.5	80	25.0 - 44.0
SE 50	D 50	50	M 25 x 1.5	80	44.0 - 46.0
SE 51	D 51	51	M 25 x 1.5	80	43.0 - 48.0
SE 55	D 55	55	M 25 x 1.5	80	43.0 - 50.0
SE 56	D 56	56	M 25 x 1.5	80	45.0 - 51.0
SE 58	D 58	58	M 25 x 1.5	80	46.0 - 53.0
SE 60	D 60	60	M 25 x 1.5	80	48.0 - 56.0
SE 65	D 65	65	M 25 x 1.5	80	56.0 - 63.0
SE 70	D 70	70	M 25 x 1.5	80	60.0 - 66.0

CLAMPING SLEEVES

as Cucchi version



OPTIONS



HOLDING-FORCE ADAPTATION

- Holding forces can be increased or reduced according to customer requirements

CLOSED

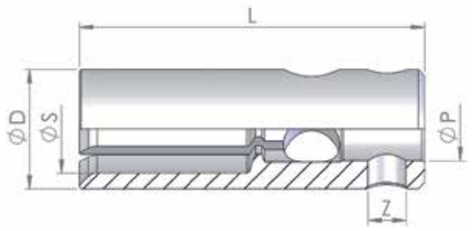
- Reduction of changeover times due to entire channel utilization

PROFILES

Item	ø D [mm]	Thread G	Length L [mm]	Clamping diameter S min.–max. [mm]
PB 28	28	M 18 x 1.5 L	65	10.0 - 26.0
PB 29	29	M 18 x 1.5 L	65	10.0 - 27.0
PB 30	30	M 18 x 1.5 L	65	10.0 - 28.0
PB 35	35	M 18 x 1.5 L	70	10.0 - 33.0
PB 36	36	M 18 x 1.5 L	70	10.0 - 34.0
PB 38	38	M 25 x 1.5 L	70	10.0 - 36.0
PB 41	41	M 25 x 1.5 L	70	20.0 - 39.0
PB 42	42	M 25 x 1.5 L	70	20.0 - 40.0
PB 60	59	M 30 x 1.5 L	80	20.0 - 51.0

CLAMPING SLEEVES

as CAV version



OPTIONS

HOLDING-FORCE ADAPTATION

» Holding forces can be increased or reduced according to customer requirements

CLOSED

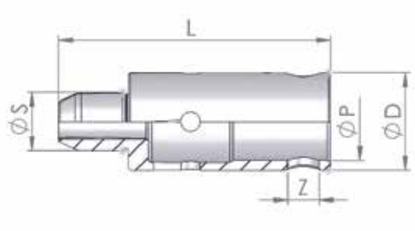
» Reduction of changeover times due to entire channel utilization

PROFILES

Item	Slide ø	ø D [mm]	ø P [mm]	ø Z [mm]	Length L [mm]	Clamping diameter S min.–max. [mm]
CAV 7	7	7	M6x1L		40	1.5 - 5.9
CAV 10	10	10	M6x1L		40	2.0 - 8.5
CAV 12	12	12	M6x1L		40	8.5 - 10.5
CAV 15	15	15	10	6	55	3.0 - 14.0
CAV 17	17	17	10	6	55	14.0 - 16.0
CAV 19	19	19	10	6	55	16.0 - 17.0
CAV 21	21	21	10	6	55	17.0 - 19
CAV 25	25	25	16	8	76	5.0 - 22.0
CAV 32	32	25/32	16	8	76	15.5 - 29.5
CAV34	34	25/34	16	8	76	19.0 - 31.0

INSIDE CLAMPING SLEEVES

as SHK version



OPTIONS

HOLDING-FORCE ADAPTATION

» Holding forces can be increased or reduced according to customer requirements

VULCANIZED

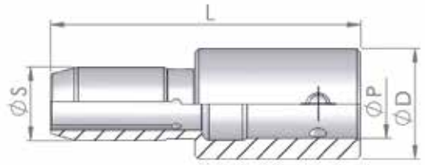
» Prevents the emulsion/oil from entering the loader

Item	ø D [mm]	ø Z [mm]	ø P [mm]	Length L [mm]	Clamping diameter S min.–max. [mm]
SI 7 SHKI 7	7		M 5	37	3.5 - 6.0
SI 10 SHKI 10	10	4	7	40	3.5 - 9.0
S 12 SHKI 12	12	4	8	40	3.5 - 11.0
SI 15 SHKI 15	15	6	11	40	3.5 - 14.0
SI 18 SHKI 18	18	6	11	40	5.0 - 17.0
SI 20 SHKI 20	20	8	14	65	5.0 - 19.0
SI 25 SHKI 25	25	8	20	65	5.0 - 24.0
SI 28 - SI 50 SHKI 28 to SHKI50	28 - 50	8	20	65	

INSIDE CLAMPING SLEEVES

as turbo version

» For inside clamping for processing tubing or drilled solid material.



OPTIONS

HOLDING-FORCE ADAPTATION

» Holding forces can be increased or reduced according to customer requirements

VULCANIZED

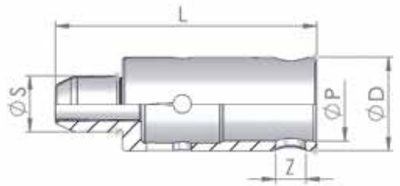
» Prevents the emulsion/oil from entering the loader

Item	Slide ø	ø D [mm]	ø P [mm]	Length L [mm]	Clamping diameter S min.–max. [mm]
STI 25 SHTI 25	D 25	25	20 H 7	90	6.0 - 23.0
STI 28 SHTI 28	D 28	28	20 H 7	90	6.0 - 27.0
STI 30 SHTI 30	D 30	30	20 H 7	90	6.0 - 31.0
STI 32 SHTI 32	D 32	32	20 H 7	90	6.0 - 31.0
STI 34 SHTI 34	D 34	34	20 H 7	90	6.0 - 33.0
STI 35 SHTI 35	D 35	35	20 H 7	90	6.0 - 34.0
STI 36 SHTI 36	D 36	36	20 H 7	90	10.0 - 35.0
STI 38 SHTI 38	D 38	38	20 H 7	90	10.0 - 37.0
STI 40 SHTI 40	D 40	40	20 H 7	90	10.0 - 39.0
STI 42 SHTI 42	D 42	42	20 H 7	90	10.0 - 41.0
STI 44 SHTI 44	D 44	44	20 H 7	90	10.0 - 43.0
STI 45 SHTI 45	D 45	45	20 H 7	90	10.0 - 44.0
STI 50 SHTI 50	D 50	50	20 H 7	90	10.0 - 49.0
STI 54 SHTI 54	D 54	54	20 H 7	90	10.0 - 53.0
STI 58 SHTI 58	D 58	58	20 H 7	90	10.0 - 57.0
STI 60 SHTI 60	D 60	60	20 H 7	90	10.0 - 59.0
STI 63 SHTI 63	D 63	63	20 H 7	90	10.0 - 62.0
STI 65 SHTI 65	D 65	65	20 H 7	90	10.0 - 64.0

Item	Slide ø	ø D [mm]	ø P [mm]	Length L [mm]	Clamping diameter S min.–max. [mm]
STI 70 SHTI 70	D 70	70	20 H 7	90	30.0 - 65.0
STI 75 SHTI 75	D 75	75	20 / 35 H 7	90	30.0 - 70.0
STI 80 SHTI 80	D 80	80	35 H 7	90	30.0 - 75.0
STI 90 SHTI 90	D 90	90	35 H 7	90	40.0 - 85.0
STI 100 SHTI 100	D 100	100	35 H 7	110	40.0 - 95.0

INSIDE CLAMPING SLEEVES

for index multi-spindle machines



OPTIONS

HOLDING-FORCE ADAPTATION

» Holding forces can be increased or reduced according to customer requirements

VULCANIZED

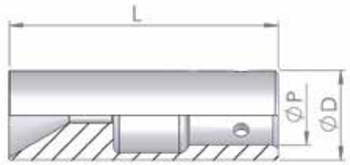
» Improved dirt resistance

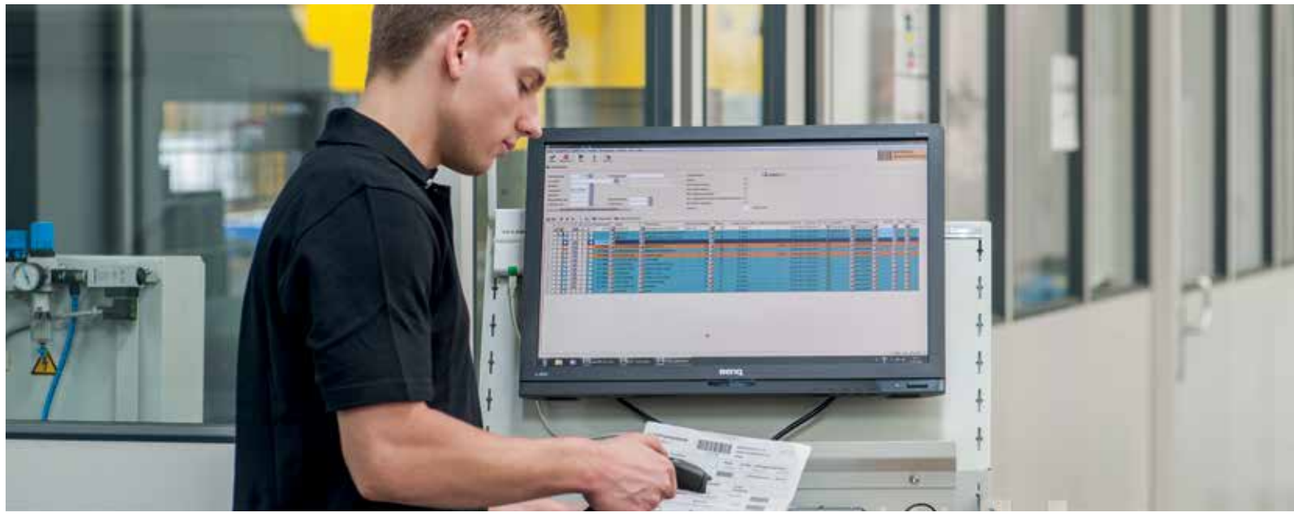
Item	Slide ø		ø D [mm]	ø S [mm]	ø Z [mm]	ø P [mm]	Length L [mm]	Machine
S927434.1232	12	Clamping sleeve	10.3	8	4	8 H 7	45	MS 22 / MS 40
SA927435.XX31		Stop	13.0 - 23.0		4		32	
S927535.1231	12	Clamping sleeve	10.3	8	4	8 H 7	45	MS 32
SA927536.XX31		Stop	13.0 - 18.0		4		32	
S927434.1233	12	Clamping sleeve	10.3	8	4	8 H 7	46	MS 22 / MS 32 / MS 40
SA927435.XX32		Stop	13.0 - 23.0		4		26	
S927535.1831	18	Clamping sleeve	16	15	6	11 H 7	45	MS 22 / MS 32 / MS 40
SA927536.XX31		Stop	19.0 - 25.0		6		32	
S927535.1841	18	Clamping sleeve	16	15	6	11 H 7	46.5	MS 22 / MS 32 / MS 40
SA927536.XX41		Stop	19.0 - 25.0		6		26.5	
S927934.1832	18	Clamping sleeve	18	15	6	11 H 7	45	MS 52
SA927975.XX31		Stop	22.0 - 32.0				20	
S927434.2332	23	Clamping sleeve	19	15	8	14 H 7	70	MS 40
SA927435.XX31		Stop	24.0 - 32.0		8		52	
S927434.2333	23	Clamping sleeve	19	15	8	14 H 7	66.5	MS 40
SA927435.XX32		Stop	24.0 - 32.0				46.5	
S927535.2531	25	Clamping sleeve	22	15	8	15 H 7	66.5	MS 32
SA927536.XX31		Stop	26.0 - 36.0				46.5	
S927434.3232	32	Clamping sleeve	27	15	8	20 H 7	70	MS 40
SA927435.XX31		Stop	33.0 - 40.0		8		52	
S927434.3233	32	Clamping sleeve	27	15	8	20 H 7	61	MS 40
SA927435.XX32		Stop	33.0 - 40.0				41	
S927934.3232	32	Clamping sleeve	32	20	8	20 H 7	70	MS 52
SA927975.XX31		Stop	33.0 - 42.0				38	
S927934.4232	42	Clamping sleeve	42	20	8	20 H 7	70	MS 52
SA927975.XX31		Stop	43.0 - 52.0				38	
D18 IMS 52	18		18	15	6	11 H 7	45	
D32 IMS 52	32		32	20	8	20 H 7	70	
D42 IMS 52	42		42	20	8	20 H 7	70	

CLAMPING SLEEVES

VKK centering sleeves

» For rod feed with last piece forward ejection.





Item	ø D [mm]	ø P [mm]	Length L [mm]
VKK 10	10.3	7 H 7	40
VKK 12	12.3	8 H 7	40
VKK 13	13.3	8 H 7	40
VKK 14	14.3	8 H 7	40
VKK 15	15.3	11 H 7	40
VKK 16	16.3	11 H 7	40
VKK 17	17.3	11 H 7	40
VKK 18	18.3	11 H 7	40
VKK 20	20.3	14 H 7	65
VKK 22	22.3	14 H 7	65
VKK 24	24.3	14 H 7	65
VKK 25 L65	25.3	20 H 7	65
VKK 25 L90	25.3	20 H 7	90
VKK 26 L65	26.3	20 H 7	65
VKK 26 L90	26.3	20 H 7	90
VKK 28 L65	28.3	20 H 7	65
VKK 28 L90	28.3	20 H 7	90
VKK 30 L65	30.3	20 H 7	65
VKK 30 L90	30.3	20 H 7	90

Item	ø D [mm]	ø P [mm]	Length L [mm]
VKK 32 L65	32.3	20 H 7	65
VKK 32 L90	32.3	20 H 7	90
VKK 34 L65	34.3	20 H 7	65
VKK 34 L90	34.3	20 H 7	90
VKK 35 L65	35.3	20 H 7	65
VKK 35 L90	35.3	20 H 7	90
VKK 36 L65	36.3	20 H 7	65
VKK 36 L90	36.3	20 H 7	90
VKK 38 L65	38.3	20 H 7	65
VKK 38 L90	38.3	20 H 7	90
VKK 40 L65	40.3	20 H 7	65
VKK 40 L90	40.3	20 H 7	90
VKK 41	41.3	20 H 7	90
VKK 42	42.3	20 H 7	90
VKK 44	44.3	20 H 7	90
VKK 45	45.3	20 H 7	90
VKK 46	46.3	20 H 7	90
VKK 50	50.3	20 H 7	90
VKK 51	51.3	20 H 7	90

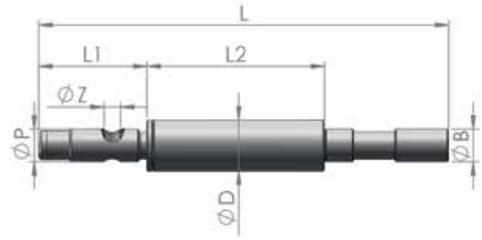
Schlenker bearings

IN ALL SIZES AND PROFILES!

BEARINGS

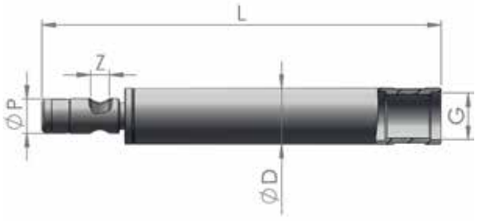
Clamping sleeve bearings for loading magazines

- Longer service life.
- Higher speeds.
- Emergency running properties.
- Higher absorption of axial forces.
- Compatible with available interfaces.



Due to higher requirements, these products were converted to the HSL series.

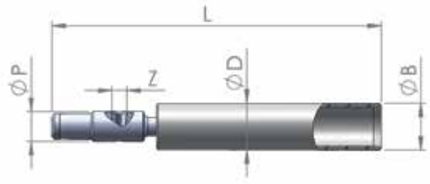
Item	Machine manufacturer	ø D [mm]	ø B [mm]	ø Z [mm]	ø P [mm]	Length L1 [mm]	Length L2 [mm]	Overall length L [mm]
L 10 HSL	FMB, lemca, Irco	10.5	8	4	7	26.5	43.5	100
L 12 HSL	FMB, lemca, Irco	12.5	8	4	8	26.5	43.5	100
L 13 HSL	FMB, lemca, Irco	13.5	8	4	8	26.5	43.5	100
L 15 HSL	FMB, lemca, Irco, Traub	15	12	6	11	26.5	43.5	100
L 18 HSL	FMB, lemca, Irco, Traub	18	12	6	11	26.5	43.5	100
L 20 HSL	FMB, lemca, Irco, Traub	20	17	8	14	39	47	116
L 22 HSL	FMB, lemca, Irco, Traub	22	17	8	14	39	47	116
L 25 HSL	FMB, lemca, Irco, Traub	25	20	8	20	41.5	47.5	119
L 30 HSL	FMB, lemca, Irco, Traub	30	20	8	20	41.5	47.5	119
L 32 HSL	FMB, lemca, Irco, Traub	32	20	8	20	41.5	47.5	119
L 36 HSL	FMB, lemca, Irco, Traub	36	20	8	20	41.5	47.5	119



Item	Machine manufacturer	ø D [mm]	ø G [mm]	ø Z [mm]	ø P [mm]	Overall length L [mm]
L12IEMCASIR	lemca	12.5	M 9 x 1 L	4	8	107
L15IEMCASIR	lemca	15	M 12 x 1 L	6	11	127
L18IEMCASIR	lemca	18	M 15 x 1 L	6	11	127
L23IEMCASIR	lemca	23	M 18 x 1 L	8	14	139.5
L24IEMCASIR	lemca	24	M 18 x 1 L	8	14	139.5
L25IEMCASIR	lemca	25	M 22 x 1 L	8	20	146.5
L32IEMCASIR	lemca	32	M 28 x 1 L	8	20	169.5
L36IEMCASIR	lemca	36	M 30 x 1 L	8	20	169.5

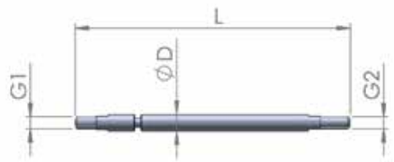
BEARINGS

Clamping sleeve bearings for loading magazines

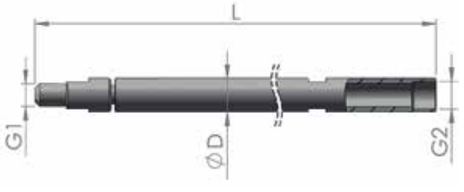


Item	Machine manufacturer	ø D [mm]	ø B [mm]	ø Z [mm]	ø P [mm]	Overall length L [mm]
L 10 TR D10Traub	Traub	10.5	9	4	7	88
L 12 TR D12Traub	Traub	12.5	11	4	8	88

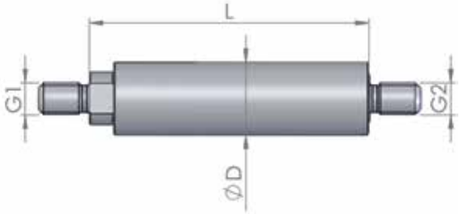
Item	Machine manufacturer	ø d [mm]	ø D [mm]	Thread G [mm]	Overall length L [mm]
L 5 / D 5	FMB, Traub	4.5	5.5	M 4	82.5
L 7 / D 7	FMB, Traub	6.4	7.5	M 5	83.5



Item	Machine manufacturer	ø D [mm]	Thread G 1	Thread G 2	Overall length L [mm]
L 5 lemca D 5	lemca	5.5	M 4	M 4	90



Item	Machine manufacturer	ø D [mm]	Thread G 1	Thread G 2	Overall length L [mm]
L 7 lemca D 7	lemca	7.5	M 5	M 6 x 0.75	139



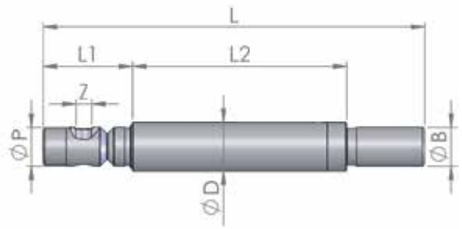
Item	Machine manufacturer	ø D [mm]	Thread G 1	Thread G 2	Overall length L [mm]
L 5.5 ERT ERT 0550	Tornos	5.5	M 3	M 3	54
L 7 ERT ERT 0700	Tornos	7	M 4	M 5	47
L 7.5 ERT ERT 0750	Tornos	7.5	M 4	M 5	47
L 8.5 ERT ERT 0850	Tornos	8.5	M 5	M 5	47
L 10.5 ERT ERT 1050	Tornos	10.5	M 6	M 6	52
L 13.5 ERT ERT 1350	Tornos	13.5	M 6	M 6	52

Item	Machine manufacturer	ø D [mm]	Thread G 1	Thread G 2	Overall length L [mm]
L 7 LNS	LNS / Tryton	7	M 5	M 4	63
L 12 LNS	LNS / Tryton	12	M 6	M 6	72

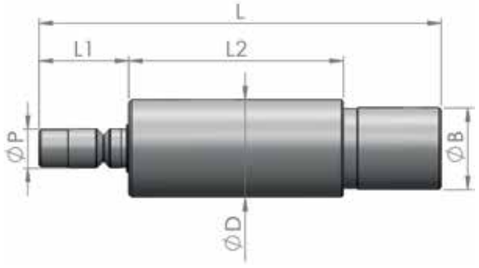
Item	Machine manufacturer	ø D [mm]	Thread G 1	Thread G 2	Overall length L [mm]
L 7 B 84 7 B	Bechler	7	M 5	M 5	84
L 10 B 84 10 B [A]	Bechler	10	M 5	M 5	84
L 10 B 96 10 B [B]	Bechler	10	M 5	M 5	96

Item	Machine manufacturer	ø D [mm]	Thread G 1	Thread G 2	Overall length L [mm]
5 G	Gauthier	5	M 4	M 4	80
7 G	Gauthier	7	M 5	M 5	86

Turbo clamping sleeve bearing



Item	ø P [mm]	ø D [mm]	ø B [mm]	ø Z [mm]	Length L1 [mm]	Length L2 [mm]	Overall length L [mm]
LT 25 / D 25	20	25	20	8	46	110	196
LT 30 / D 30	20	30	25	8	46	110	196
LT 32 / D 32	20	32	25	8	46	110	196
LT 34 / D 34	20	34	30	8	46	110	196
LT 36 / D 36	20	36	30	8	46	110	196



Item	ø P [mm]	ø D [mm]	ø B [mm]	Length L1 [mm]	Length L2 [mm]	Overall length L [mm]
LT 38 / D 38	20	38	30	46	110	196
LT 40 / D 40	20	40	33	46	110	206
LT 42 / D 42	20	42	33	46	110	206
LT 44 / D 44	20	44	33	46	110	206
LT 45 / D 45	20	45	33	46	110	206
LT 50 / D 50	20	50	42	46	110	206
LT 54 / D 54	20	54	42	46	110	206
LT 55 / D 55	20	55	42	46	110	206
LT 58 / D 58	20	58	51	46	110	231
LT 60 / D 60	20	60	51	46	110	231
LT 63 / D 63	20	63	51	46	110	231
LT 65 / D 65	20	65	51	46	110	231
LT 70 / D 70	20	70	51	46	110	231
LT 75 / D 75	20 / 35	75	65	46	110	231
LT 80 / D 80	35	80	65	46	110	231
LT 90 / D 90	35	90	65	46	110	231
LT 100 / D 100	35	100	82	46	110	231

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