

New products for machining technicians

NEW ABS adapters



Work with flexibility and process-security with the modular ABS coupling system for rotating and stationary tools.



Solid drilling and bore machining

- 1 HSS drilling
- 2 Solid carbide drilling
- 3 Indexable insert drilling
- 4 Reaming and Countersinking
- 5 Spindle Tooling

Threading

- 6 Taps and thread formers
- 7 Circular and Thread Milling
- 8 Thread turning

Turning

- 9 Turning Tools
- 10 EcoCut
- 11 Grooving Tools
- 12 Miniature turning tools

Milling

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- 14 Solid Carbide milling cutters
- 15 Milling tools with indexable inserts

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WNT \ Performance

Premium quality tools for high performance.

The premium quality tools from the **WNT Performance** product line have been designed for specific applications and are distinguished by their outstanding performance. If you make high demands on the performance of your production and want to achieve the very best results, we recommend the Premium tools in this product line.

WNT \ Standard

Quality tools for standard applications.

The quality tools of the **WNT Standard** product line are high quality, powerful and reliable and enjoy the highest trust of our customers worldwide. Tools from this product line are the first choice for many standard applications and guarantee optimal results.

Symbol explanation

Version



Without coolant supply (Form A)



Axial coolant (Form AD)



Coolant supply either via the flange, or central (Form AD / B)



With eroded cooling ducts



Adapter with two additional coolant holes

SZID = For tool size

Types



Precision collet chuck with high holding forces, suitable for all machining



Collet with pull-out protection, specifically for use with Centro-P precision collet chucks



Coated precision collet for Centro-P precision collet chuck



Specially matched adapter for ThermoGrip® shrinking process



Short drill chuck for all drilling applications



Coated collet for universal application



Collets Description
▲ Type - Version
▲ Concentricity



KOMET ABS – modular coupling system for rotating and stationary tools

Toolfinder – Machine interface

■ DIN 69871 – SK steep taper adapters



- ▲ SK 30
- ▲ SK 40
- ▲ SK 50

▶ Toolfinder – Adapters, rotating	4+5
Product programme	10–49

■ JIS B 6339 – BT steep taper adapters



MAS-BT / MAS-BT-FC with face contact

- ▲ BT 30
- ▲ BT 40
- ▲ BT 50
- ▲ BT-FC 30
- ▲ BT-FC 40
- ▲ BT-FC 50

▶ Toolfinder – Adapters, rotating	4+5
MAS-BT product range	50–83
MAS-BT-FC product range	84–92

■ HSK hollow taper adapters with face contact



ISO 12164 – HSK-A / HSK-E

- ▲ HSK-A 32
- ▲ HSK-A 40
- ▲ HSK-A 50
- ▲ HSK-A 63
- ▲ HSK-A 100
- ▲ HSK-E 25
- ▲ HSK-E 32
- ▲ HSK-E 40
- ▲ HSK-E 50

▶ Toolfinder – Adapters, rotating	4+5
HSK-A product range	93–133
HSK-E product range	134–138

ISO 12164-3 – HSK-T

- ▲ HSK-T 63
- ▲ HSK-T 100

▶ Toolfinder – Adapters, stationary	6+7
Product programme	139–156

■ ISO 26623-1 – PSC polygon hollow adapters with face contact



PSC, rotating

- ▲ PSC 32
- ▲ PSC 40
- ▲ PSC 50
- ▲ PSC 63
- ▲ PSC 80

▶ Toolfinder – Adapters, rotating	4+5
Product programme	157–173

PSC, stationary

- ▲ PSC 32
- ▲ PSC 40
- ▲ PSC 50
- ▲ PSC 63
- ▲ PSC 80
- ▲ PSC 80X

▶ Toolfinder – Adapters, stationary	6+7
Product programme	174–187

■ ISO 10889 – VDI tool holders with cylindrical shank



- ▲ VDI 16
- ▲ VDI 20
- ▲ VDI 25
- ▲ VDI 30
- ▲ VDI 40
- ▲ VDI 50

▶ Toolfinder – Adapters, stationary	8+9
Product programme	188–205
Driven Tools	224–226

Toolfinder – Adapters, rotating

									
Holder Type		Finishing	Roughing – Finishing	Roughing	DIN 69871 SK	JIS B 6339 MAS-BT MAS-BT-FC	ISO 12164 HSK-A HSK-E		ISO 26623-1 PSC
Maximum	Centro-P								
	▲ ER Precision Collet chuck		●	●	●	10-12	50-52	84	93-95 134+135 157
	▲ OZ precision collet chuck		●	●	●	13	53	96	
	High Pressure Milling Chuck		●	●	○	14-16	54-56	86	97-99 158
	Hydraulic chuck		●			17+18	57+58	87	100+101
	Heat Shrink Adapter		●	○		19-22	59+60	85	102-107 136 159+160
	Micro-Precision Collet Chuck		●					119	137
Accuracy	Cylindrical shank adapter								
	▲ Weldon			○	●	23-25	61+62	88	108-112 161
	▲ Whistle Notch			○	●	26+27	63+64	113	162
	Indexable insert drill adapter					28	65	114	163
	Collet Chuck								
	▲ ER Collet chuck		●	○		29	66	89	115-117 164+165
	▲ OZ Collet Chuck		●	○		30	67		
	NC 2010 short drill chuck					31	68	118	
	Quick change tapping chuck with minimum length compensation					32+33	69+70	120+121	166
	Quick change tap chuck with length compensation					34	71	122	167
	Quick change tap chuck without length compensation					34	71	122	
	ABS adapters					35+36	72+73	123+124	

● = Main Application

○ = Extended application

Toolfinder – Adapters, rotating

										
Holder Type		Finishing	Roughing - Finishing	Roughing	DIN 69871 SK	JIS B 6339 MAS-BT	JIS B 6339 MAS-BT-FC	ISO 12164 HSK-A	ISO 12164 HSK-E	ISO 26623-1 PSC
Accuracy Medium	Adapter for milling cutters with threaded end		○	●	37+38	74		125+126		168
	Face mill adapter		●	●	●	39	75	127		169+170
	▲ Combination shell mill adapter		●	●	●	40+41	76+77	90	128-130	
	▲ Shell mill adapter		●	●	●	42	78			
	▲ Large diameter facemill adapter		●	●	●					
	Drill chuck adapter					43	79			
	Milling adapter sleeve for Morse taper shanks with external thread		○	●		44	80			
	Taper adapter for Morse taper					45	81	131		171

Overview Accessories

							
		DIN 69871 SK	JIS B 6339 MAS-BT	JIS B 6339 MAS-BT-FC	ISO 12164 HSK-A	ISO 12164 HSK-E	ISO 26623-1 PSC
Intermediate/reducing adapter for SK adapters		46	82				
Blank		47	83		132		172
Test bar		47	83		133		173
Pull stud		48+49	91+92				
Coolant pipe/key					138		173

 Collets and quick change adapters can be found on → **Pages 206–223.**

Toolfinder – Stationary adapters – HSK-T and PSC tool holders

Toolholders for negative turning inserts

	Type	Illustration	HSK-T ISO 12164	PSC ISO 26623
	Machining			
	DCLN 95° Internal + External		139	174
	DCMN 95° External		139	
	DCMN+ DDMN External		140	
	DCMN+ DDMN External		140	
	DDUN 93° Internal + External		140	
	DDJN 93° Internal + External		141	174
	DDHN 107,5° Internal + External		141	
	DDMN 48° External		142	
	DSDN 45° External		142	
	DVMN 50° External		143	
	DWLN 95° Internal + External		143	175

Toolholders for positive turning inserts

	Type	Illustration	HSK-T ISO 12164	PSC ISO 26623
	Machining			
	SCLC 95° Internal + External		144	
	SCMC 50° External		144	
	SDJC 93° Internal + External		145	175
	SDNC 62,5° Internal + External			176
	SDMC 48° External		145	
	PRDC 0° External		146	
	PRSC Internal + External		146	
	SVUC 93° Internal + External		147	
	SVJC 93° Internal + External		147	
	SVHC 107,5° Internal + External		148	
	SVMC 50° External		148	

Multifunction tools – EcoCut

Type	Illustration	HSK-T ISO 12164	PSC ISO 26623
2,25xD		152	

Toolfinder – Stationary adapters – HSK-T and PSC tool holders

Holders for grooving and threading inserts

Type	Illustration	HSK-T ISO 12164	PSC ISO 26623
0°		153	
90°		153	

Toolholders for threading inserts

Type	Illustration	HSK-T ISO 12164	PSC ISO 26623
Internal thread			179
External thread			179

Boring bars for negative inserts

	Type	Illustration	HSK-T ISO 12164	PSC ISO 26623
	DCLN 95° CN..		149	
	DDUN 93° DN..		149	
	DWLN 95° WN..		150	

Boring bars for positive inserts

	Type	Illustration	HSK-T ISO 12164	PSC ISO 26623
	SCLC 95° CC..		151	177
	SDUC 93° DC..		151	177
	SVUC 93° VC..		152	
	SVQC 107,5°			178

Basic holder

Type	Illustration	HSK-T ISO 12164	PSC ISO 26623
Square shank holder 0°		155	180
Square shank holder 45°		155	181
Square shank holder 90°		156	180
Square shank holder 2 face 0°			181
Square shank holder 3 face 0°		155	181
Boring bar holder		156	182+183

Extension / Reduction / Adapter

Type	Illustration	HSK-T ISO 12164	PSC ISO 26623
Extension			184
Reduction			185+186

Parting blade holders

Type	Illustration	HSK-T ISO 12164	PSC ISO 26623
Parting Blade Holder GX / LX / FX / SX		154	
Radial Grooving Holders, right / left			180

Others

Protection plug			187
Hollow nose keys			187

Toolfinder – Stationary adapters – VDI adapters for star turrets



Toolholders above



Upper turret		Spindle rotation clockwise		Spindle rotation counter clockwise	
	Square Shank Adapters	B2/B3/B6/B7/C1/C2/D1/D2	188–191	B2/B3/B6/B7/C3/C4/D1/D2	188–191
	Part Off Holder	double	201	double – overhead	201
	Adapter VDI to VDI	left-hand	202	left-hand	202
	Boring bar holder	left-hand	202+203	left-hand	202+203

Lower turret		Spindle rotation clockwise		Spindle rotation counter clockwise	
	Square Shank Adapters	B2/B3/B6/B7/C3/C4/D1/D2	188–191	B2/B3/B6/B7/C1/C2/D1/D2	188–191
	Part Off Holder	double – overhead	201	double	201
	Adapter VDI to VDI	right-hand	202	right-hand	202
	Boring bar holder	right-hand	202+203	right-hand	202+203

Toolholders below

Upper turret		Spindle rotation clockwise		Spindle rotation counter clockwise	
	Square Shank Adapters	B2/B3/B6/B7/C3/C4/D1/D2	188–191	B2/B3/B6/B7/C1/C2/D1/D2	188–191
	Part Off Holder	double	201	double – overhead	201
	Adapter VDI to VDI	right-hand	202	right-hand	202
	Boring bar holder	right-hand	202+203	right-hand	202+203

Lower turret		Spindle rotation clockwise		Spindle rotation counter clockwise	
	Square Shank Adapters	B2/B3/B6/B7/C1/C2/D1/D2	188–191	B2/B3/B6/B7/C3/C4/D1/D2	188–191
	Part Off Holder	double – overhead	201	double	201
	Adapter VDI to VDI	left-hand	202	left-hand	202
	Boring bar holder	left-hand	202+203	left-hand	202+203

Toolfinder – Stationary adapters – VDI adapters for disc turrets



Upper turret	Spindle rotation clockwise	Spindle rotation counter clockwise
 Square Shank Adapters	B1/B5/C1/C2/D1 188–191	B3/B7/C3/C4/D2 188–191
 Cylindrical Shank Adapters	E/E1/E2/E3/E4 191–194	E/E1/E2/E3/E4 191–194
 Taper Adapters	F1 195	F1 195
 Part Off Holder	right-hand 196+197	overhead right 196+197
 Drill Chucks	NC 2010 198	NC 2010 198
 Tapping Chucks	GSF/GML 199	GSF/GML 199
Lower turret	Spindle rotation clockwise	Spindle rotation counter clockwise
 Square Shank Adapters	B4/B8/C3/C4/D2 188–191	B2/B6/C1/C2/D1 188–191
 Cylindrical Shank Adapters	E/E1/E2/E3/E4 191–194	E/E1/E2/E3/E4 191–194
 Taper Adapters	F1 195	F1 195
 Part Off Holder	overhead left 196+197	left-hand 196+197
 Drill Chucks	NC 2010 198	NC 2010 198
 Tapping Chucks	GSF/GML 199	GSF/GML 199

Accessories

	Bar stop	198
	Test arbors	200
	Tool holders	200+201

	Bar pullers	204
	Gripper accessories	205
	Protection plug	205

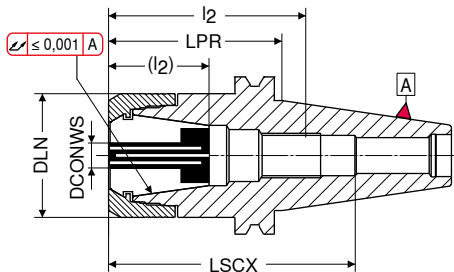
ER Precision Collet chuck

- ▲ For standard or sealed nuts
- ▲ Maximum size collet to ISO tolerance field H10
- ▲ For clamping a roll key is required
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P



AD
G 2,5 $n_{\max}$ 25000



AD/B
G 2,5 $n_{\max}$ 25000

Adapter	DCONWS	LPR	DLN	LSCX	l_2 (l_2)	for collet	Article no. 84 424 ...	Article no. 84 414 ...
	mm	mm	mm	mm	mm			
SK 30	2 - 16	70	40	66	35 - 49 (18 - 31)	430E (ER25)	016	
SK 30	2 - 20	70	50	75	50 - 75 (29 - 40)	470E (ER32)	020	
SK 40	1 - 10	70	30	110	28 - 45 (16 - 31)	426E (ER16)	102	
SK 40	1 - 10	100	30	140	28 - 45 (16 - 31)	426E (ER16)	103	
SK 40	1 - 10	130	30	140	28 - 50 (14 - 34)	426E (ER16)		510
SK 40	1 - 10	160	30	200	28 - 45 (16 - 31)	426E (ER16)		910
SK 40	2 - 16	45	40	85	35 - 60 (20 - 42)	430E (ER25)		816
SK 40	2 - 16	70	40	110	35 - 60 (20 - 42)	430E (ER25)	162	
SK 40	2 - 16	100	40	113	35 - 60 (20 - 42)	430E (ER25)	163	
SK 40	2 - 16	130	40	140	38 - 67 (21 - 49)	430E (ER25)		516
SK 40	2 - 16	160	40	118	35 - 60 (20 - 42)	430E (ER25)		916
SK 40	2 - 16	200	40	148	35 - 60 (20 - 42)	430E (ER25)		917
SK 40	2 - 20	50	50	85	52 - 70 (26 - 52)	470E (ER32)	201	
SK 40	2 - 20	70	50	111	55 - 75 (42 - 62)	470E (ER32)	202	
SK 40	2 - 20	100	50	114	52 - 70 (32 - 52)	470E (ER32)	203	
SK 40	2 - 20	130	50	114	50 - 74 (36 - 55)	470E (ER32)		620
SK 40	2 - 20	160	50	119	52 - 70 (32 - 52)	470E (ER32)		920
SK 40	3 - 26	70	63	105	48 - 55	472E (ER40)	261 ¹⁾	
SK 40	3 - 26	100	63	120	48 - 62	472E (ER40)	262 ¹⁾	
SK 50	1 - 10	70	30	100	28 - 45 (16 - 35)	426E (ER16)	106	
SK 50	1 - 10	100	30	130	28 - 55 (16 - 41)	426E (ER16)	107	
SK 50	1 - 10	160	30	190	28 - 55 (16 - 41)	426E (ER16)	108	
SK 50	2 - 16	70	40	120	35 - 64 (20 - 48)	430E (ER25)	166	
SK 50	2 - 16	100	40	150	35 - 64 (20 - 48)	430E (ER25)	167	
SK 50	2 - 20	70	50	120	59 - 85 (40 - 70)	470E (ER32)		320
SK 50	2 - 20	100	50	150	53 - 81 (35 - 63)	470E (ER32)		520
SK 50	2 - 20	160	50	200	53 - 83 (35 - 65)	470E (ER32)		720
SK 50	3 - 26	70	63	120	48 - 60	472E (ER40)	266	

1) Non standard groove before tool change collar not according to DIN, not suitable for automatic tool change

→ Transmittable torque moments, page 233



LSCX = Clamping depth without back stop screw for shanks

l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2

Dimension LPR when using tightening nuts with seals 3 mm longer

Spare parts, ER precision collet chuck

				
Spare parts	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
for collet				
426E (ER16)	011	001	M11x1 - SW6	341
430E (ER25)	013	003	M18x1,5 - SW6	432
470E (ER32)	015	005	M22x1,5 - SW6	402
472E (ER40)	017	007	M28x1,5 - SW6	337

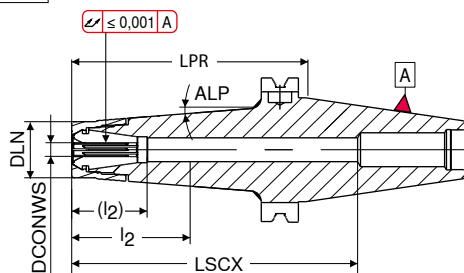
ER Precision tapered collet chuck

- ▲ For special tapered nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P

AD/B
G 2,5 $n_{\max}$ 25000

Adapter	DCONWS	LPR	DLN	LSCX	l_2 (l_2)	for collet	ALP	Article no. 84 417 ...
	mm	mm	mm	mm	mm			
SK 40	1 - 10	100	24	140	28 - 48 (20 - 35)	426E (ER16)	4,5°	410
SK 40	1 - 10	160	24	200	28 - 48 (20 - 35)	426E (ER16)	2,5°	910

→ Transmittable torque moments, page 233

- i** LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

				
Spare parts	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
for collet				
426E (ER16)	033	031	M11x1 - SW6	341
			M11x1 - SW6	337

Accessories

					
ER collet	Sealing ring	Roll key	Roll key device	Pull studs	Others
→ 208–211, 213	→ 207	→ 17/36	→ 17/36	→ 48–49	→ 17/34

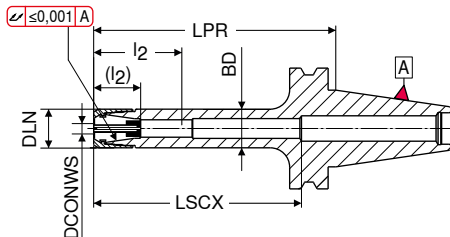
ER Precision collet chuck, slim version

- ▲ For Mini Clamping Nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{\max}$ 80 bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P

AD
G 2,5 $n_{\max}$ 25000AD/B
G 2,5 $n_{\max}$ 25000

Adapter	DCONWS	LPR	DLN	BD	LSCX	l_2 (l_2) mm	for collet	Article no. 84 411 ...	Article no. 84 412 ...
SK 30	1 - 7	50	16	16	68	18 - 36 (12 - 26)	4008E (ER11)	007	
SK 30	1 - 7	100	16	16	68	18 - 36 (12 - 26)	4008E (ER11)	008	
SK 40	1 - 7	70	16	16	60	15 - 32 (7 - 22)	4008E (ER11)		207
SK 40	1 - 7	100	16	16	68	18 - 36 (12 - 26)	4008E (ER11)		407
SK 40	1 - 7	130	16	16	110	15 - 32 (7 - 22)	4008E (ER11)		607
SK 40	1 - 7	160	16	16	68	18 - 36 (12 - 26)	4008E (ER11)		907
SK 40	1 - 10	70	22	22	90	28 - 50 (14 - 36)	426E (ER16)		210
SK 40	1 - 10	100	22	22	110	28 - 50 (14 - 36)	426E (ER16)		310
SK 40	1 - 10	130	22	22	140	28 - 50 (14 - 36)	426E (ER16)		410
SK 40	1 - 10	160	22	22	170	28 - 50 (14 - 36)	426E (ER16)		510

→ Transmittable torque moments, page 233

- i** LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet

4008E (ER11)	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
426E (ER16)	035	034	340	336
			341	337

Accessories

ER collet	Sealing ring	Device	Roll key	Roll key device	Pull studs	Others
→ 208–211, 213	→ 207	→ 17 35	→ 17 36	→ 17 36	→ 48–49	→ 17 34

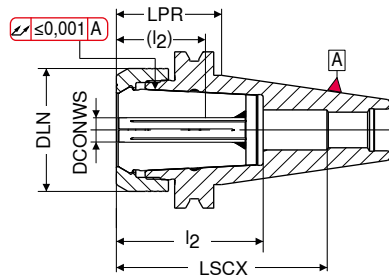
OZ Precision Collet Chuck

- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P



AD/B
G 2,5 $n_{\max}$ 25000

Adapter	DCONWS	LPR	DLN	LSCX	l_2 (l_2)	for collet	Article no. 84 406 ...
	mm	mm	mm	mm	mm		
SK 40	2 - 25	43	50	80	53 - 65 (37 - 48)	462E	025
SK 50	2 - 25	50	50	110	55 - 66 (36 - 50)	462E	725

→ Transmittable torque moments, Page 233

- i** LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet

462E	020	M22x1,5 - SW6	402	M22x1,5 - SW6	401
------	-----	---------------	-----	---------------	-----



Lock nut IK

Article no.
84 950 ...



Stop screw 2

Article no.
83 950 ...



Stop screw 1

Article no.
83 950 ...

Accessories

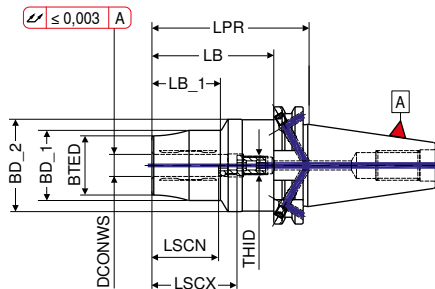
OZ Collet	Sealing ring	Roll key	Roll key device	Pull studs	Others
→ 217	→ 217	→ 17 36	→ 17 36	→ 48-49	→ 17 34

High pressure chuck, short version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

Article no.
83 422 ...

	Adapter	DCONWS	LPR	BTED	BD_1	BD_2	LB_1	LSCX	LSCN	LB	THID	
		mm	mm	mm	mm	mm	mm	mm	mm	mm		
short	SK 40	16	90	36	42	50	42	49	39	71	M12x1	116
	SK 40	20	95	42	48	50	45	51	41	76	M16x1	120
	SK 40	25	110	51	57	50	60	57	47	91	M16x1	125
	SK 40	32	120	57	63	50	65	61	51	101	M16x1	132

→ Min clamping depth, page 233

i LSCX = maximum insertion depth
LSCN = minimum insertion depth

Spare parts		Article no.		Article no.		Article no.		Article no.	
DCONWS		80 397 ...		83 950 ...		83 950 ...		83 950 ...	
16	SW5	050	05 x 16	433	TR10x1,5x14	430	M12x1x18	446	
20	SW5	050	06 x 16	434	TR10x1,5x14	430	M16x1x18,5	448	
25	SW5	050	06 x 16	434	TR10x1,5x14	430	M16x1x22	449	
32	SW5	050	06 x 16	434	TR10x1,5x14	430	M16x1x25	450	

Accessories

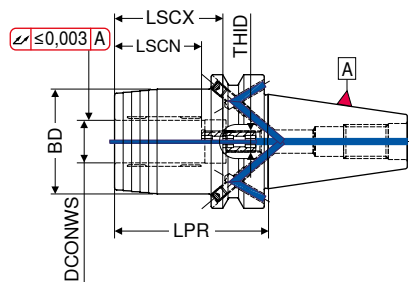
Reduction sleeve	Pull studs	Others
→ 17 32	→ 48-49	→ 17 34

High pressure chuck, short and stable version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 $n_{\max}$ 25000

Article no.
83 427 ...

120

Adapter	DCONWS	LPR	BD	LSCX	LSCN	THID
	mm	mm	mm	mm	mm	
SK 40	20	64,5	49	51	40	M16x1x13,5

→ Min. clamping depth, Page 233

i LSCX = maximum insertion depth
LSCN = minimum insertion depth

Spare parts								
	Cylindrical screw		Clamping key – T		Pressure screw		Stop screw IK	
	Article no. 83 950 ...		Article no. 80 397 ...		Article no. 83 950 ...		Article no. 83 950 ...	
83 427 120	M5x5 - SW2,5	157	SW5	050	M10x1x14	429	M16x1x13,5 - SW8	424

Accessories

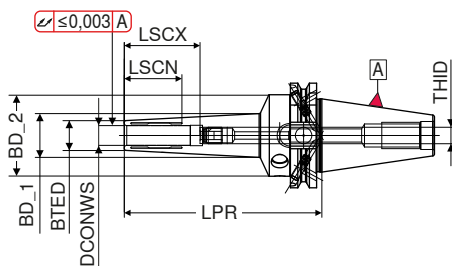
		
Reduction sleeve → 17 32	Pull studs → 48-49	Others → 17 34

High pressure chuck, slim 3°

▲ For solid carbide and HSS shanks to h6 tolerance or better

Scope of supply:

Base body with backstop screw, pressure screw and screw plug

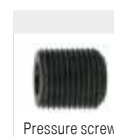
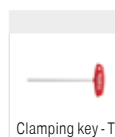


AD/B
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BTED	BD_1	BD_2	LSCX	LSCN	THID	Article no. 83 421 ...
		mm	mm	mm	mm	mm	mm	mm		
long	SK 40	3	120	9	17,40	49,5	28	12	M3	103
	SK 40	4	120	10	18,40	49,5	28	16	M3	104
	SK 40	5	120	11	19,40	49,5	28	20	M3	105
	SK 40	6	120	12	20,40	49,5	37	27	M5	106
	SK 40	8	120	14	22,40	49,5	37	27	M6	108
	SK 40	10	120	16	24,50	49,5	41	31	M8x1	110
	SK 40	12	120	18	26,60	49,5	46	36	M10x1	112
	SK 40	16	120	24	32,30	49,5	49	39	M12x1	116
	SK 40	20	120	28	36,40	49,5	51	41	M16x1	120
	SK 40	6	160	16	34,37	49,5	37	27	M5	206
	SK 40	8	160	18	35,45	49,5	37	27	M6	208
	SK 40	10	160	20	37,10	49,5	41	31	M8x1	210
	SK 40	12	160	22	38,72	49,5	46	36	M10x1	212
	SK 40	6	200	16	38,72	49,5	37	27	M5	306
	SK 40	8	200	18	39,74	49,5	37	27	M6	308
	SK 40	10	200	20	41,40	49,5	41	31	M8x1	310
	SK 40	12	200	22	43,02	49,5	46	36	M10x1	312

→ Min. clamping depth, Page 233

i LSCX = maximum insertion depth
LSCN = minimum insertion depth



Spare parts

for Article no.

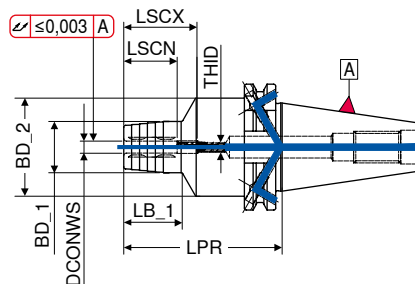
83 421 103	M5x5 - SW2,5	157	SW5	050	M10x1x10	158	M3x20 - SW1,5	172
83 421 104	M5x5 - SW2,5	157	SW5	050	M10x1x10	158	M3x20 - SW1,5	172
83 421 105	M5x5 - SW2,5	157	SW5	050	M10x1x10	158	M3x20 - SW1,5	172
83 421 106	M5x5 - SW2,5	157	SW5	050	M10x1x10	158	M5x12,5 - SW2,5	418
83 421 108	M5x5 - SW2,5	157	SW5	050	M10x1x10	158	M6x12,5 - SW3	419
83 421 110	M5x5 - SW2,5	157	SW5	050	M10x1x12	159	M8x1x13,5 - SW3	420
83 421 112	M5x5 - SW2,5	157	SW5	050	M10x1x12	159	M10x1x13,5 - SW5	421
83 421 116	M5x5 - SW2,5	157	SW5	050	M10x1x12	159	M12x1x13,5 - SW5	422
83 421 120	M5x5 - SW2,5	157	SW5	050	M10x1x12	159	M16x1x13,5 - SW8	424
83 421 206	M5x5 - SW2,5	157	SW5	050	M10x1x10	158	M5x12,5 - SW2,5	418
83 421 208	M5x5 - SW2,5	157	SW5	050	M10x1x10	158	M6x12,5 - SW3	419
83 421 210	M5x5 - SW2,5	157	SW5	050	M10x1x12	159	M8x1x13,5 - SW3	420
83 421 212	M5x5 - SW2,5	157	SW5	050	M10x1x12	159	M8x1x13,5 - SW3	420
83 421 306	M5x5 - SW2,5	157	SW5	050	M10x1x10	158	M5x12,5 - SW2,5	418
83 421 308	M5x5 - SW2,5	157	SW5	050	M10x1x10	158	M6x12,5 - SW3	419
83 421 310	M5x5 - SW2,5	157	SW5	050	M10x1x12	159	M8x1x13,5 - SW3	420
83 421 312	M5x5 - SW2,5	157	SW5	050	M10x1x12	159	M8x1x13,5 - SW3	420

Hydraulic chuck, short and slim version

▲ For solid carbide and HSS shanks to h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BD_1	BD_2	LSCX	LSCN	LB_1	THID	Article no. 83 402 ...
		mm	mm	mm	mm	mm	mm	mm		
short and slim	SK 40	6	80,5	26	49,5	37	27	29,5	M5	106
	SK 40	8	80,5	28	49,5	37	27	30,0	M6	108
	SK 40	10	80,5	30	49,5	41	31	35,0	M8x1	110
	SK 40	12	80,5	32	49,5	46	36	40,0	M10x1	112
	SK 40	16	80,5	38	49,5	49	39	45,0	M12x1	116
	SK 40	20	80,5	42	49,5	51	41	47,0	M16x1	120
	SK 40	25	80,5	55	63,0	57	47	28,0	M16x1	125
	SK 40	32	80,5	63	70,0	61	51	25,5	M16x1	132
	SK 50	6	80,5	26	49,5	37	27	29,5	M5	306
	SK 50	8	80,5	28	49,5	37	27	30,0	M6	308
	SK 50	10	80,5	30	49,5	41	31	35,0	M8x1	310
	SK 50	12	80,5	32	49,5	46	36	40,0	M10x1	312
	SK 50	16	80,5	38	49,5	49	39	45,0	M12x1	316
	SK 50	20	80,5	42	49,5	51	41	42,0	M16x1	320
	SK 50	25	100,0	55	63,0	57	47	48,0	M16x1	325
	SK 50	32	100,0	63	70,0	61	51	61,0	M16x1	332

→ Min. clamping depth, Page 233

Spare parts DCONWS

	Article no. 83 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
6	M8x1x10 439	M6x14 - SW2 417	M5x12,5 - SW2,5 418
8	M8x1x10 439		M6x12,5 - SW3 419
10	M10x1x12 440		M8x1x13,5 - SW3 420
12	M10x1x12 440		M10x1x13,5 - SW5 421
16	M10x1x12 440		M12x1x13,5 - SW5 422
20 - 32	M10x1x12 440		M16x1x13,5 - SW8 424

Accessories

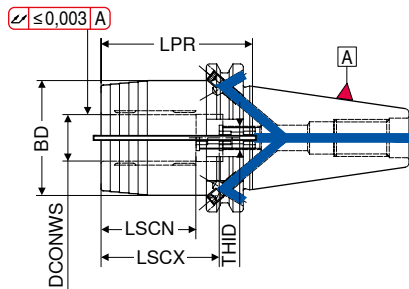
Reduction sleeve	Pull studs	Others
→ 17 32	→ 48-49	→ 17 34

Hydraulic chuck, short and stable version

▲ For solid carbide and HSS shanks to h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

Article no.
83 425 ...

Adapter	DCONWS	LPR	BD	LSCX	LSCN	THID
	mm	mm	mm	mm	mm	
SK 40	20	64,5	49,5	51	41	M16x1
SK 50	32	81,0	72,0	61	51	M16x1

120

332

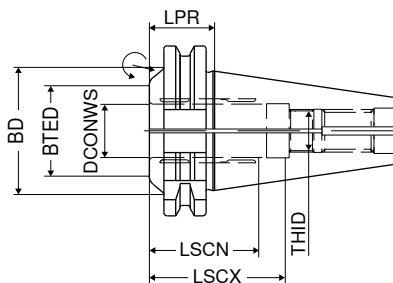
→ Min. clamping depth, Page 233

Hydraulic chuck, extra short

▲ For solid carbide and HSS shanks to h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

Article no.
83 403 ...

Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID
	mm	mm	mm	mm	mm	mm	
SK 40	20	24,5	34	48	51	41	M16x1

120

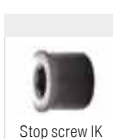
→ Min. clamping depth, Page 233

Spare parts

DCONWS



Pressure screw



Stop screw IK

Article no.
83 950 ...

Article no.
83 950 ...

20-32

M10x1x12

440

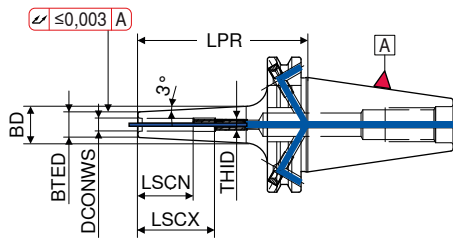
M16x1x13,5-SW8

424

Heat shrink adapter, slim 3°

▲ For solid carbide and HSS shanks to h6 tolerance or better

TG



AD/B
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID	Article no. 84 320 ...
		mm	mm	mm	mm	mm	mm		
short	SK 40	3	80	9	14	28	12	M6	103
	SK 40	4	80	10	15	28	16	M6	104
	SK 40	5	80	11	16	30	20	M6	105
	SK 40	6	80	12	17	36	26	M5	106
	SK 40	8	80	14	19	36	26	M6	108
	SK 40	10	80	16	21	41	31	M8x1	110
	SK 40	12	80	18	23	47	37	M10x1	112
	SK 40	14	80	20	26	47	37	M10x1	114
	SK 40	16	80	22	28	50	40	M12x1	116
	SK 40	18	80	24	30	50	40	M12x1	118
SK 40	20	80	26	32	52	42	M16x1	120	
long	SK 40	3	120	9	16	12	12		203
	SK 40	4	120	10	17	16	16		204
	SK 40	5	120	11	18	20	20		205
	SK 40	6	120	12	22	36	26	M5	206
	SK 40	8	120	14	24	36	26	M6	208
	SK 40	10	120	16	26	41	31	M8x1	210
	SK 40	12	120	18	28	47	37	M10x1	212
	SK 40	14	120	20	30	47	37	M10x1	214
	SK 40	16	120	22	32	50	40	M12x1	216
	SK 40	18	120	24	34	50	40	M12x1	218
SK 40	20	120	26	36	52	42	M16x1	220	
extra-long	SK 40	3	160	9	19	12	12		303
	SK 40	4	160	10	20	16	16		304
	SK 40	5	160	11	21	20	20		305
	SK 40	6	160	12	24	36	26	M5	306
	SK 40	8	160	14	26	36	26	M6	308
	SK 40	10	160	16	28	41	31	M8x1	310
	SK 40	12	160	18	30	47	37	M10x1	312
	SK 40	14	160	20	32	47	37	M10x1	314
	SK 40	16	160	22	34	50	40	M12x1	316
	SK 40	18	160	24	36	50	40	M12x1	318
SK 40	20	160	26	38	52	42	M16x1	320	

→ Min. clamping depth, Page 233



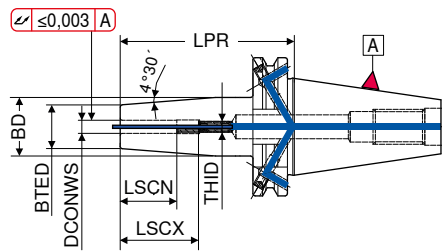
Spare parts
DCONWS

3 - 5	M6x14 - SW2	417	
6			M5x12,5 - SW2,5 418
8			M6x12,5 - SW3 419
10			M8x1x13,5 - SW3 420
12 - 14			M10x1x13,5 - SW5 421
16 - 18			M12x1x13,5 - SW5 422
20			M16x1x13,5 - SW8 424

Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks to h6 tolerance or better

TG

AD/B
G 2,5 n_{max} 25000AD
G 2,5 n_{max} 25000

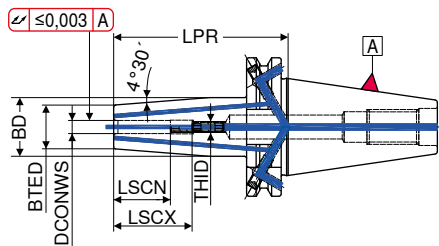
	Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID	Article no. 84 300 ...	Article no. 84 300 ...
		mm	mm	mm	mm	mm	mm			
short	SK 30	3	80	10	17	22	12	M6		003
	SK 30	4	80	15	22	26	16	M6		004
	SK 30	5	80	15	22	30	20	M6		005
	SK 30	6	80	21	27	36	26	M5		006
	SK 30	8	80	21	27	36	26	M6		008
	SK 30	10	80	24	32	41	31	M8x1		010
	SK 30	12	80	24	32	47	37	M10x1		012
	SK 30	14	80	27	34	47	37	M10x1		014
	SK 30	16	80	27	34	50	40	M12x1		016
	SK 30	18	80	33	42	50	40	M12x1		018
	SK 30	20	80	33	42	52	42	M16x1		020
	SK 40	3	80	10	17	22	12	M6	103	
	SK 40	4	80	15	22	26	16	M6	104	
	SK 40	5	80	15	22	30	20	M6	105	
	SK 40	6	80	21	27	36	26	M5	106	
	SK 40	8	80	21	27	36	26	M6	108	
	SK 40	10	80	24	32	41	31	M8x1	110	
	SK 40	12	80	24	32	47	37	M10x1	112	
	SK 40	14	80	27	34	47	37	M10x1	114	
	SK 40	16	80	27	34	50	40	M12x1	116	
	SK 40	18	80	33	42	50	40	M12x1	118	
	SK 40	20	80	33	42	52	42	M16x1	120	
	SK 40	25	100	44	53	58	48	M16x1	125	
long	SK 40	3	120	10	20	12	12		203	
	SK 40	4	120	15	22	16	16		204	
	SK 40	5	120	15	22	20	20		205	
	SK 40	6	120	21	27	36	26	M5	206	
	SK 40	8	120	21	27	36	26	M6	208	
	SK 40	10	120	24	32	41	31	M8x1	210	
	SK 40	12	120	24	32	47	37	M10x1	212	
	SK 40	14	120	27	34	47	37	M10x1	214	
	SK 40	16	120	27	34	50	40	M12x1	216	
	SK 40	18	120	33	42	50	40	M12x1	218	
	SK 40	20	120	33	42	52	42	M16x1	220	
	SK 40	25	120	44	53	58	48	M16x1	225	
extra-long	SK 40	3	160	10	20	12	12		303	
	SK 40	4	160	15	22	16	16		304	
	SK 40	5	160	15	22	20	20		305	
	SK 40	6	160	21	27	36	26	M5	306	
	SK 40	8	160	21	27	36	26	M6	308	
	SK 40	10	160	24	32	41	31	M8x1	310	
	SK 40	12	160	24	32	47	37	M10x1	312	
	SK 40	14	160	27	34	47	37	M10x1	314	
	SK 40	16	160	27	34	50	40	M12x1	316	
	SK 40	18	160	33	42	50	40	M12x1	318	
	SK 40	20	160	33	42	52	42	M16x1	320	
	SK 40	25	160	44	53	58	48	M16x1	325	

→ Min. clamping depth, Page 233

Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG

AD/B
G 2,5 n_{max} 25000

NEW

Article no.
84 317 ...

	Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID	
		mm	mm	mm	mm	mm	mm		
short	SK 40	3	80	10	17	28	12	M6	103
	SK 40	4	80	15	22	28	16	M6	104
	SK 40	5	80	15	22	30	20	M6	105
	SK 40	6	80	21	27	36	26	M5	106
	SK 40	8	80	21	27	36	26	M6	108
	SK 40	10	80	24	32	41	31	M8x1	110
	SK 40	12	80	24	32	47	37	M10x1	112
	SK 40	14	80	27	34	47	37	M10x1	114
	SK 40	16	80	27	34	50	40	M12x1	116
	SK 40	18	80	33	42	50	40	M12x1	118
	SK 40	20	80	33	42	52	42	M16x1	120
	SK 40	25	100	44	53	58	48	M16x1	125
	SK 40	32	100	44	53	62	52	M16x1	132

→ Min. clamping depth, Page 233

i LSCX = maximum insertion depth
LSCN = minimum insertion depth

Stop screw IK

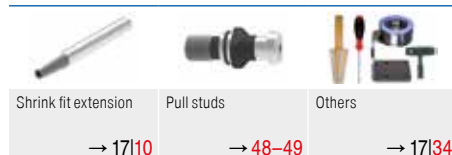
Stop screw IK

Sealing screw

Spare parts
DCONWS

3 - 5	M6x14 - SW2	417			M2x6	512
6			M5x12,5 - SW2,5	418	M2x6	512
8			M6x12,5 - SW3	419	M2x6	512
10			M8x1x13,5 - SW3	420	M2x6	512
12 - 14			M10x1x13,5 - SW5	421	M2x6	512
16 - 18			M12x1x13,5 - SW5	422	M2x6	512
20 - 25			M16x1x13,5 - SW8	424	M2x6	512
32	M16x1 - SW5		511			M2x6

Accessories



Shrink fit extension

Pull studs

Others

→ 17|10

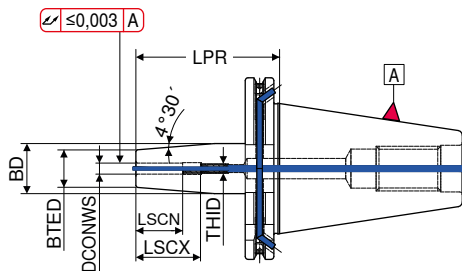
→ 48-49

→ 17|34

Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks to h6 tolerance or better

TG

AD/B
G 2,5 n_{max} 25000Article no.
84 301 ...

	Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID	
		mm	mm	mm	mm	mm	mm		
short	SK 50	6	80	21	27	36	26	M5	106
	SK 50	8	80	21	27	36	26	M6	108
	SK 50	10	80	24	32	41	31	M8x1	110
	SK 50	12	80	24	32	47	37	M10x1	112
	SK 50	14	80	27	34	47	37	M10x1	114
	SK 50	16	80	27	34	50	40	M12x1	116
	SK 50	18	80	33	42	50	40	M12x1	118
	SK 50	20	80	33	42	52	42	M16x1	120
	SK 50	25	100	44	53	58	48	M16x1	125
	SK 50	32	100	44	53	62	52	M16x1	132
long	SK 50	6	120	21	27	36	26	M5	206
	SK 50	8	120	21	27	36	26	M6	208
	SK 50	10	120	24	32	41	31	M8x1	210
	SK 50	12	120	24	32	47	37	M10x1	212
	SK 50	14	120	27	34	47	37	M10x1	214
	SK 50	16	120	27	34	50	40	M12x1	216
	SK 50	18	120	33	42	50	40	M12x1	218
	SK 50	20	120	33	42	52	42	M16x1	220
	SK 50	25	120	44	53	58	48	M16x1	225
	SK 50	32	120	44	53	62	52	M16x1	232
extra-long	SK 50	6	160	21	27	36	26	M5	306
	SK 50	8	160	21	27	36	26	M6	308
	SK 50	10	160	24	32	41	31	M8x1	310
	SK 50	12	160	24	32	47	37	M10x1	312
	SK 50	14	160	27	34	47	37	M10x1	314
	SK 50	16	160	27	34	50	40	M12x1	316
	SK 50	18	160	33	42	50	40	M12x1	318
	SK 50	20	160	33	42	52	42	M16x1	320
	SK 50	25	160	44	53	58	48	M16x1	325
	SK 50	32	160	44	53	62	52	M16x1	332

→ Min. clamping depth, Page 233

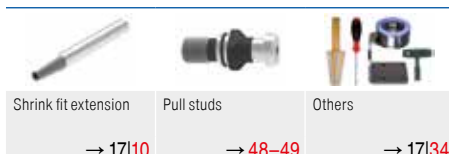


Stop screw IK

Spare parts
DCONWSArticle no.
83 950 ...

6	M5x12,5 - SW2,5	418
8	M6x12,5 - SW3	419
10	M8x1x13,5 - SW3	420
12 - 14	M10x1x13,5 - SW5	421
16 - 18	M12x1x13,5 - SW5	422
20 - 32	M16x1x13,5 - SW8	424

Accessories



Shrink fit extension

Pull studs

Others

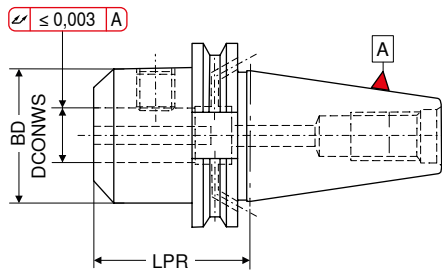
→ 17|10

→ 48-49

→ 17|34

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat

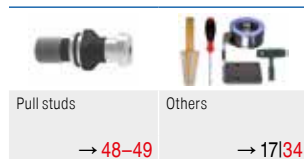


	Adapter	DCONWS _{H4}	LPR	BD				
					AD G 6,3 n _{max} 8000	AD G 6,3 n _{max} 8000	AD G 2,5 n _{max} 18000	ADe G 6,3 n _{max} 8000
		mm	mm	mm	Article no. 81 402 ...	Article no. 82 402 ...	Article no. 82 401 ...	Article no. 82 403 ...
short	SK 30	6	50	25	006			
	SK 30	8	50	28	008			
	SK 30	10	50	35	010			
	SK 30	12	50	42	012			
	SK 30	14	63	44	014			
	SK 30	16	63	48	016			
	SK 30	18	63	50	018			
	SK 30	20	70	52	020			
extra short	SK 40	16	35	48		416	416	416
	SK 40	20	35	50		420	420	420
	SK 40	25	40	50		425	425	425
	SK 40	32	75	72		432		432

i SK 50 adapters and other lengths can be found on the next 2 pages

Spare parts DCONWS _{H4}				
	Grubscrew		Grubscrew	
	Article no. 83 950 ...		Article no. 62 950 ...	
6			M6x10	006
8			M8x10	008
10			M10x12	010
12			M12x16	012
14			M12x16	012
16			M14x16	016
18			M14x16	016
20			M16x16	020
25	M16x10	275		
32	M14x10	259		

Accessories



Pull studs

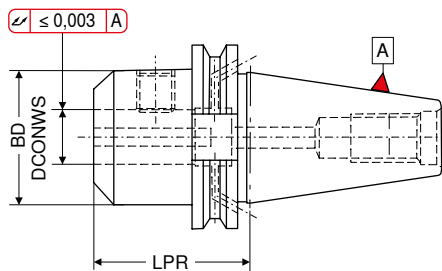
Others

→ 48–49

→ 17|34

Cylindrical shank adapter (Weldon)

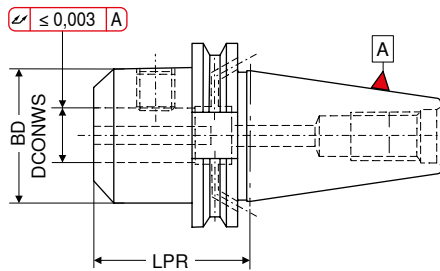
▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat

AD/B
G 6,3 n_{max} 8000AD/B
G 2,5 n_{max} 18000AD/Be
G 6,3 n_{max} 8000AD/Be
G 6,3 n_{max} 8000AD/Be
G 2,5 n_{max} 18000

	Adapter	DCONWS _{H4}	LPR	BD	Article no. 82 402 ...	Article no. 82 401 ...	Article no. 81 403 ...	Article no. 82 403 ...	Article no. 82 404 ...
		mm	mm	mm					
short	SK 40	6	50	25	106	106		106	106
	SK 40	8	50	28	108	108		108	108
	SK 40	10	50	35	110	110		110	110
	SK 40	12	50	42	112	112		112	112
	SK 40	14	50	44	114	114		114	114
	SK 40	16	63	48	116	116		116	116
	SK 40	18	63	50	118	118		118	118
	SK 40	20	63	52	120	120		120	120
	SK 40	25	100	65	125	125		125	125
	SK 40	32	100	72	132	132		132	
	SK 40	40	120	90	140				
	SK 50	6	63	25	306	306		306	
	SK 50	8	63	28	308	308		308	
	SK 50	10	63	35	310	310		310	
	SK 50	12	63	42	312	312		312	
	SK 50	14	63	44	314	314		314	
	SK 50	16	63	48	316	316		316	
	SK 50	18	63	50	318	318		318	
	SK 50	20	63	52	320	320		320	
	SK 50	25	80	65	325	325		325	
	SK 50	32	100	72	332	332		332	
	SK 50	40	120	90	340				
long	SK 40	6	100	25	506	506	506		
	SK 40	8	100	28	508	508	508		
	SK 40	10	100	35	510	510	510		
	SK 40	12	100	42	512	512	512		
	SK 40	14	100	44	514	514	514		
	SK 40	16	100	48	516	516	516		
	SK 40	18	100	50	518	518	518		
	SK 40	20	100	52	520	520	520		
	SK 40	40	120	80			540		
	SK 50	6	100	25	706				
	SK 50	8	100	28	708				
	SK 50	10	100	35	710				
	SK 50	12	100	42	712				
	SK 50	14	100	44	714				
	SK 50	16	100	48	716				
	SK 50	18	100	50	718				
	SK 50	20	100	52	720				
	SK 50	25	100	65	725				

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat

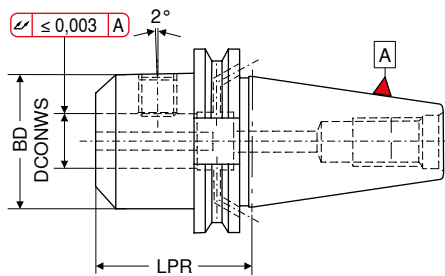


	Adapter	DCONWS _{H4}	LPR	BD				
					AD/B G 6,3 n _{max} 8000	AD/B G 2,5 n _{max} 18000	AD/Be G 6,3 n _{max} 8000	AD/Be G 2,5 n _{max} 18000
		mm	mm	mm	Article no. 82 402 ...	Article no. 82 401 ...	Article no. 82 403 ...	Article no. 82 404 ...
medium length	SK 40	6	130	25	206	206		206
	SK 40	8	130	28	208	208		208
	SK 40	10	130	35	210	210		210
	SK 40	12	130	42	212	212		212
	SK 40	14	130	44	214	214		214
	SK 40	16	130	48	216	216		216
	SK 40	18	130	50	218	218		218
	SK 40	20	130	52	220	220		220
	SK 50	6	130	25	906		906	
	SK 50	8	130	28	908		908	
	SK 50	10	130	35	910		910	
	SK 50	12	130	42	912		912	
	SK 50	14	130	44	914		914	
	SK 50	16	130	48	916		916	
	SK 50	18	130	50	918		918	
	SK 50	20	130	52	920		920	
	SK 50	25	130	65	925		925	
extra-long	SK 40	6	160	25	606	606		
	SK 40	8	160	28	608	608		
	SK 40	10	160	35	610	610		
	SK 40	12	160	42	612	612		
	SK 40	14	160	44	614	614		
	SK 40	16	160	48	616	616		
	SK 40	18	160	50	618	618		
	SK 40	20	160	52	620	620		
	SK 40	25	160	65	625	625		
	SK 50	6	160	25	806			
	SK 50	8	160	28	808			
	SK 50	10	160	35	810			
	SK 50	12	160	42	812			
	SK 50	14	160	44	814			
	SK 50	16	160	48	816			
	SK 50	18	160	50	818			
	SK 50	20	160	52	820			
	SK 50	25	160	65	825			
	SK 50	32	160	72	832			

i Spare parts and accessories on → **page 23**

Cylindrical Shank Adapter (Whistle Notch)

- ▲ For shanks according to DIN 6535 HE / 1835 E with angled clamping flat
- ▲ The groove in the flat face is a characteristic feature of the Whistle Notch version



AD/B
G 6,3 n_{max} 8000



AD/B
G 2,5 n_{max} 18000

	Adapter	DCONWS _{H4}	LPR	BD	Article no. 82 406 ...	Article no. 82 407 ...
		mm				
short	SK 40	6	50	25	106	106
	SK 40	8	50	28	108	108
	SK 40	10	50	35	110	110
	SK 40	12	50	42	112	112
	SK 40	14	50	44	114	114
	SK 40	16	63	48	116	116
	SK 40	18	63	50	118	118
	SK 40	20	63	52	120	120
	SK 40	25	100	65	125	
	SK 40	32	100	72	132	
	SK 50	6	63	25	306	
	SK 50	8	63	28	308	
	SK 50	10	63	35	310	
	SK 50	12	63	42	312	
	SK 50	14	63	44	314	
	SK 50	16	63	48	316	
	SK 50	18	63	50	318	
	SK 50	20	63	52	320	
	SK 50	25	80	65	325	
	SK 50	32	100	72	332	
medium length	SK 40	6	130	25	206	206
	SK 40	8	130	28	208	208
	SK 40	10	130	35	210	210
	SK 40	12	130	42	212	212
	SK 40	16	130	48	216	216
	SK 40	20	130	52	220	220
	SK 40	25	130	65	225	225
	SK 50	6	130	25	406	
	SK 50	8	130	28	408	
	SK 50	10	130	35	410	
	SK 50	12	130	42	412	
	SK 50	16	130	48	416	
	SK 50	20	130	52	420	
	SK 50	25	130	65	425	
	SK 50	32	130	72	432	

Spare parts cylindrical shank adapters (Whistle Notch)

Spare parts DCONWS _{H4}		 Grubscrew		 Stop screw IK	
		Article no. 62 950 ...		Article no. 83 950 ...	
6	M6x10	006	M5x35	033	
8	M8x10	008	M6x35	034	
10	M10x12	010	M8x35	035	
12 - 14	M12x16	012	M10x35	036	
16 - 18	M14x16	016	M12x40	037	
20	M16x16	020	M16x45	272	
25	M18x2x20	025	M20x35	290	
32	M20x2x20	032	M20x35	290	

Accessories

			
Pull studs		Others	
→ 48-49		→ 17 34	

Indexable insert drill adapter DIN 69871 SK

AD/B
G 6,3 n_{max} 15000

Adapter	DCONWS	LPR	BD	Article no.
	mm	mm	mm	10 840 ...
SK 40	20	80	40	120
SK 40	25	85	45	125
SK 40	32	90	52	132
SK 50	20	80	40	220
SK 50	25	85	45	225
SK 50	32	90	52	232
SK 50	40	90	65	240
SK 50	50	100	75	250

i Suitable eccentric sleeves can be found in → **Chapter 3, Indexable insert drilling.**

Grubscrew

Spare parts	Article no.
DCONWS	10 950 ...
20	M10x1x10 001
25 - 32	M12x1x10 002
40 - 50	M16x1x12 003

Accessories

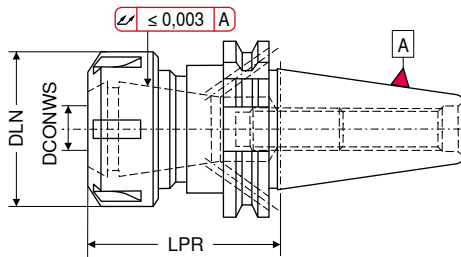
Pull studs
→ 48-49

Others
→ 17|34

ER Collet chuck

Scope of supply:

Holder with lock nut and adjustable back stop



										
							AD G 6,3 n _{max} 12000	AD/B G 6,3 n _{max} 12000	AD/B G 6,3 n _{max} 8000	AD/B G 2,5 n _{max} 18000
	Adapter	DCONWS	LPR	DLN	TQX	for collet	Article no. 81 414 ...	Article no. 81 414 ...	Article no. 82 414 ...	Article no. 82 415 ...
		mm	mm	mm	Nm					
short	SK 30	1 - 10	70	28	8 - 56	426E (ER16)	010			
	SK 30	1 - 16	70	42	24 - 104	430E (ER25)	016			
	SK 30	2 - 20	70	50	24 - 136	470E (ER32)	020			
	SK 40	1 - 10	60	32	8 - 56	426E (ER16)			110	110
	SK 40	1 - 16	70	42	24 - 104	430E (ER25)			116	116
	SK 40	2 - 20	70	50	24 - 136	470E (ER32)			120	120
	SK 40	3 - 26	70	63	176	472E (ER40)			126	126
	SK 50	1 - 10	60	32	8 - 56	426E (ER16)			310	
	SK 50	1 - 16	70	42	24 - 104	430E (ER25)			316	
	SK 50	2 - 20	70	50	24 - 136	470E (ER32)			320	
	SK 50	3 - 26	70	63	176	472E (ER40)			326	
	long	SK 30	1 - 10	100	28	8 - 56	426E (ER16)	210		
SK 30		1 - 16	100	42	24 - 104	430E (ER25)	216			
SK 30		2 - 20	100	50	24 - 136	470E (ER32)	220			
SK 40		1 - 10	120	32	8 - 56	426E (ER16)			410	410
SK 40		1 - 16	120	42	24 - 104	430E (ER25)			416	416
SK 40		2 - 20	120	50	24 - 136	470E (ER32)			420	420
SK 40		3 - 26	100	63	176	472E (ER40)		426		
SK 50		1 - 10	100	32	8 - 56	426E (ER16)			510	
SK 50		1 - 16	100	42	24 - 104	430E (ER25)			516	
SK 50		2 - 20	100	50	24 - 136	470E (ER32)			520	
SK 50		3 - 26	100	63	176	472E (ER40)			526	
extra-long		SK 40	1 - 10	160	28	8 - 56	426E (ER16)		610	
	SK 40	2 - 16	160	42	24 - 104	430E (ER25)		616		
	SK 40	2 - 20	160	50	24 - 136	470E (ER32)		620		
	SK 40	3 - 26	160	63	176	472E (ER40)		626		
	SK 50	1 - 16	160	42	24 - 104	430E (ER25)			616	
	SK 50	2 - 20	160	50	24 - 136	470E (ER32)			620	

Spare parts

for collet

	Article no. 62 950 ...	Article no. 83 950 ...	Article no. 62 950 ...	Article no. 83 357 ...	Article no. 81 950 ...	Article no. 83 950 ...
426E (ER16) / SK30-SK50	044		054	116	053	
430E (ER25) / SK30		055	055	125	054	
430E (ER25) / SK40, SK50		055	055	125	055	010
470E (ER32) / SK30		056	056	132	053	
470E (ER32) / SK40, SK50		056	056	132	057	010
472E (ER40) / SK40, SK50		057	057	140	054	011

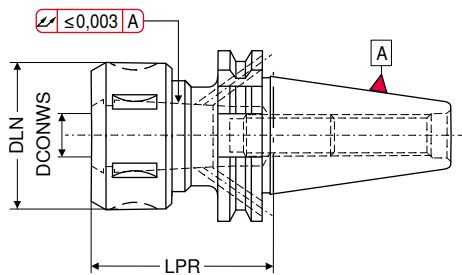
i Backstop screws 81 950 ... and nut 62 950 044 only for use with article 81 414 ...!

OZ Collet Chuck

▲ Clamping nut with ball bearings

Scope of supply:

Holder with lock nut and adjustable back stop



										
							AD G 6,3 n _{max} 12000	AD/B G 6,3 n _{max} 12000	AD/B G 6,3 n _{max} 8000	AD/B G 2,5 n _{max} 18000
	Adapter	DCONWS	LPR	DLN	TQX	for collet	Article no. 81 410 ...	Article no. 81 410 ...	Article no. 82 410 ...	Article no. 82 411 ...
		mm	mm	mm	Nm					
short	SK 30	2 - 16	60	43	24 - 104	415E / 421E	016 025			
	SK 30	2 - 25	80	60	24 - 176	459E / 462E				
	SK 40	2 - 16	70	43	80 - 90	415E / 421E				
	SK 40	2 - 25	70	60	90 - 100	459E / 462E				
	SK 50	2 - 16	70	43	80 - 90	415E / 421E				
	SK 50	2 - 25	70	60	90 - 100	459E / 462E				
	SK 50	4 - 32	70	72	110 - 120	460E / 467E				
long	SK 40	2 - 16	120	43	80 - 90	415E / 421E	432		416	416
	SK 40	2 - 25	120	60	90 - 100	459E / 462E			425	425
	SK 40	4 - 32	100	72	227	460E / 467E				
	SK 50	2 - 16	100	43	80 - 90	415E / 421E			525	
	SK 50	2 - 25	100	60	90 - 100	459E / 462E			532	

								
			Lock nut	Hook clamping key		Stop screw IK	Stop screw IK	
Spare parts			Article no. 62 950 ...	Article no. 83 354 ...		Article no. 81 950 ...	Article no. 83 950 ...	
for collet								
415E / 421E	M33x1,5	050		116	M16x15	055	M10x50	010
459E / 462E	M48x2	051		125	M16x15	055	M10x50	010
460E / 467E	M60x2,5	052		132	M16x15	055	M12x50	011

i Spare part 81 950 ... only use for article 81 410 ...!

Accessories

OZ Collet	Pull studs	Others
→ 218	→ 48-49	→ 17 34

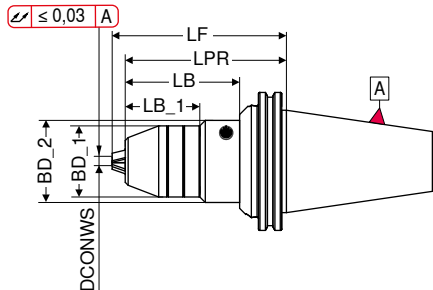
Short drill chuck

- ▲ Independent of direction of rotation
- ▲ Torque Moment = 12 Nm

Scope of supply:

Toolholder including clamping key SW4

NC
2010



Adapter	DCONWS	LPR	BD_1	BD_2	LB_1	LB	LF		A G 6,3 n _{max} 10000 Article no. 84 418 ...	AD G 6,3 n _{max} 10000 Article no. 84 419 ...	AD/B G 6,3 n _{max} 10000 Article no. 84 420 ...
	mm	mm	mm	mm	mm	mm	mm				
SK 30	0,5 - 10	80	43,0			59,9	89,0	313			
SK 40	0,5 - 13	80	48,5			60,8	89,0	413		413	
SK 40	0,5 - 13	80	48,5		50,9	60,0	89,0			416	413
SK 40	2,5 - 16	80	51,0			60,8	90,5	416			
SK 40	2,5 - 16	80	51,0		50,9		90,5				416
SK 50	0,5 - 13	110	48,5	56	50,9	78,0	119,0			513	
SK 50	0,5 - 13	110	48,5	56	50,9	78,1	119,0	513			
SK 50	2,5 - 16	110	51,0	56	50,9	78,0	120,5			516	
SK 50	2,5 - 16	110	56,0		50,9	78,0	120,5	516			

i Can be used at G 2.5 to 30,000 1/min after additional balancing !

Accessories



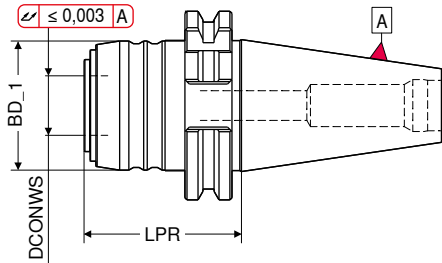
Pull studs → 48-49
Others → 17/34

Synchro tapping chuck with minimum length compensation

- ▲ For collet
- ▲ With length compensation under tension and compression (LZD)
- ▲ For synchro use
- ▲ $p_{\max.} = 50 \text{ bar}$

Scope of supply:

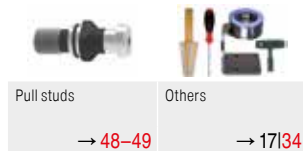
Without insert



AD

Adapter	cutting range	SZID	LPR	BD_1	DCONWS	LZD± mm	Article no. 83 416 ...
SK 40	M3 - M12	1	53	43	20	1,0 / 0,2	012
SK 40	M6 - M20	2	90	60	32	1,0 / 0,2	020
SK 50	M3 - M12	1	53	43	20	1,0 / 0,2	112
SK 50	M6 - M20	2	74	60	32	1,0 / 0,2	120

Accessories



Pull studs

Others

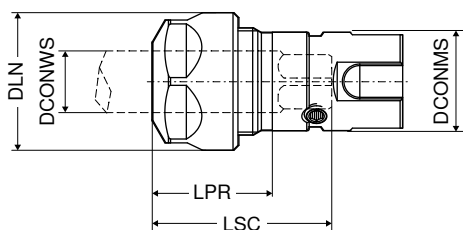
→ 48-49

→ 17|34

Insert for synchro quick change tapping chuck with minimum length compensation

Scope of supply:

Includes lock nut



AD

SZID	DCONWS	cutting range	LPR	DLN	LSC	for collet	DCONMS	Article no. 83 608 ...
	mm		mm	mm	mm		mm	
1	2 - 10	M3 - M12	24	28	42	426E (ER16)	20	012
2	2 - 16	M6 - M20	28	42	59	430E (ER25)	32	020

Spare parts for synchronous tapping chucks

				
	Lock nut	Lock nut IK	Lock nut	Y clamping key
Spare parts	Article no.	Article no.	Article no.	Article no.
for Article no.	62 950 ...	83 950 ...	62 950 ...	83 357 ...
83 608 012	M22x1,5 - SW25	M22x1,5	M32x1,5	
83 608 020	044	054	055	116
		055		125

Accessories

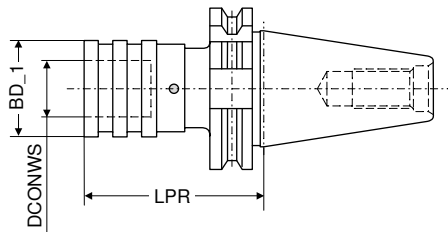


ER collet

→ 212, 214–215

Quick change tap chuck with length compensation

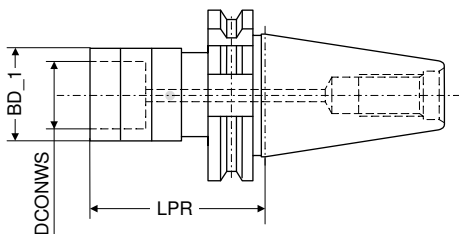
▲ With length compensation under tension and compression (LZD)



A

Adapter	cutting range	SZID	LPR	BD_1	DCONWS	LZD± mm	Article no. 83 428 ...
SK 30	M3 - M12	01	60	38	19	9	312
SK 30	M6 - M20	02	101	55	31	15	320
SK 40	M3 - M12	01	60	38	19	9	412
SK 40	M6 - M20	02	100	55	31	15	420
SK 50	M3 - M12	01	62	38	19	9	512
SK 50	M6 - M20	02	83	55	31	15	520

Quick change tap chuck without length compensation



AD

Adapter	cutting range	SZID	LPR	BD_1	DCONWS	Article no. 83 423 ...
SK 30	M3 - M12	01	59	33	19	312
SK 30	M6 - M20	02	80	50	31	320
SK 40	M3 - M12	01	59	33	19	412
SK 40	M6 - M20	02	86	50	31	420
SK 50	M3 - M12	01	75	33	19	512
SK 50	M6 - M20	02	98	50	31	520

Accessories

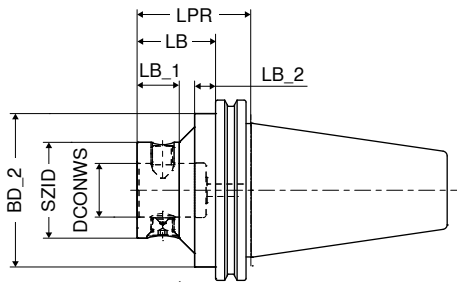
		
Collet	Pull studs	Others
→ 219-223	→ 48-49	→ 17/34

Adapter with ABS Connection

Scope of supply:

Steep taper adapter (Form B) with conversion kit (Form AD) and sealing disc

ABS



AD/B
G 6,3 n_{max} 8000

NEW

Article no.
84 201 ...

Adapter	KOMET no.	SZID	DCONWS	LPR	LB	LB_1	LB_2	BD_2	
			mm	mm	mm	mm	mm	mm	
SK 40	A5055150	ABS 50	28	50	30,0				04097
SK 50	A5055350	ABS 50	28	60	40,9	22	10,9	80	05097

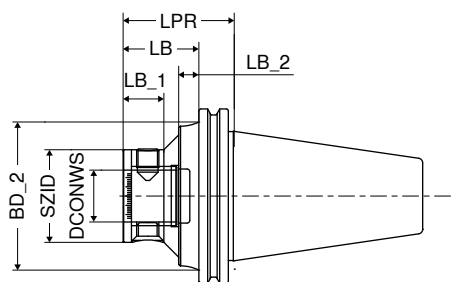
Eccentric adjuster with ABS Connection

▲ Adjustment ± 0.25 mm on diameter

Scope of supply:

Steep taper adapter (Form B) with conversion kit (Form AD) and sealing disc

ABS



AD/B

NEW

Article no.
84 204 ...

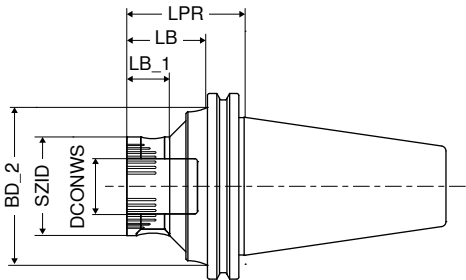
Adapter	KOMET no.	SZID	DCONWS	LPR	LB	LB_1	LB_2	BD_2	
			mm	mm	mm	mm	mm	mm	
SK 40	A5056150	ABS 50	28	50	30,0				04097
SK 50	A5056350	ABS 50	28	60	40,9	22	10,9	80	05097

Torsional vibration dampers with ABS Connection

Scope of supply:

Steep taper adapter (Form B) with conversion kit (Form AD) and sealing disc

ABS



AD/B

NEW

Article no.
84 207 ...

Adapter	KOMET no.	SZID	DCONWS	LPR	LB	BD_2	LB_1	
			mm	mm	mm	mm	mm	
SK 40	A5001351	ABS 50	28	50	30,0			04097
SK 50	A5001451	ABS 50	28	60	40,9	80	22	05097

Spare parts
SZID

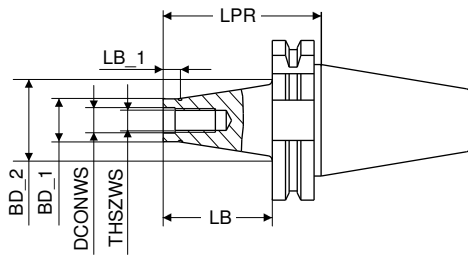
ABS 50

Clamping screw	Taper screw	Set
Article no. 84 950 ...	Article no. 84 950 ...	Article no. 84 950 ...
20300	20400	99800

Accessories

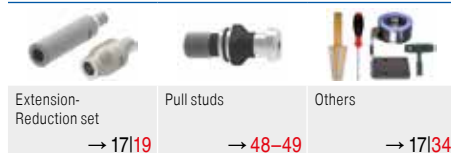
Pull studs	Extension	Others
→ 48-49	→ 17 27	→ 17 34

Adapter for milling cutters with threaded end

AD
G 16 n_{max} 8000AD
G 6,3 n_{max} 18000AD
G 2,5 n_{max} 30000

Adapter	THSZWS	DCONWS	LB	BD_1	BD_2	LB_1	LPR	Article no. 56 707 ...	Article no. 56 705 ...	Article no. 56 703 ...
		mm	mm	mm	mm	mm	mm			
SK 30	M8	8,5	25	13,8	18,0	12	44			081
SK 30	M8	8,5	50	13,8	23,0	12	69			082
SK 30	M10	10,5	25	18,0	23,0	12	44			101
SK 30	M10	10,5	50	18,0	25,0	12	69			102
SK 30	M12	12,5	25	21,0	24,0	12	44			121
SK 30	M12	12,5	50	21,0	30,0	12	69			122
SK 30	M16	17,0	25	29,0	30,5	12	44			161
SK 30	M16	17,0	50	29,0	34,0	12	69			162
SK 40	M8	8,5	25	13,8	15,0	12	44		081	
SK 40	M8	8,5	50	13,8	23,0	12	69		082	
SK 40	M8	8,5	75	13,8	25,0	12	94		083	
SK 40	M10	10,5	25	18,0	23,0	12	44		101	
SK 40	M10	10,5	50	18,0	25,0	12	69		102	
SK 40	M10	10,5	75	18,0	30,0	12	94		103	
SK 40	M10	10,5	100	18,0	35,0	12	119		104	
SK 40	M12	12,5	25	21,0	24,0	12	44		121	
SK 40	M12	12,5	50	21,0	30,0	12	69		122	
SK 40	M12	12,5	75	21,0	35,0	12	94		123	
SK 40	M12	12,5	100	21,0	38,0	12	119		124	
SK 40	M16	17,0	25	29,0	29,0	12	44		161	
SK 40	M16	17,0	50	29,0	34,0	12	69		162	
SK 40	M16	17,0	75	29,0	35,0	12	94		163	
SK 40	M16	17,0	100	29,0	40,0	12	119		164	
SK 40	M16	17,0	125	29,0	44,0	12	144		165	
SK 40	M16	17,0	150	29,0	48,0	12	169		166	
SK 40	M16	17,0	200	29,0	50,0	12	219		167	
SK 50	M12	12,5	50	21,0	30,0	12	69	122		
SK 50	M12	12,5	100	21,0	38,0	12	119	124		
SK 50	M12	12,5	150	21,0	52,0	12	169	126		
SK 50	M16	17,0	50	29,0	34,0	12	69	162		
SK 50	M16	17,0	100	29,0	40,0	12	119	164		
SK 50	M16	17,0	150	29,0	48,0	12	169	166		
SK 50	M16	17,0	200	29,0	58,0	12	219	167		
SK 50	M16	17,0	250	29,0	62,0	12	269	168		

Accessories

Extension-
Reduction set

→ 17|19

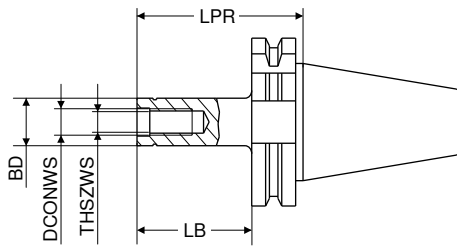
Pull studs

→ 48–49

Others

→ 17|34

Adapter for milling cutters with threaded end



AD
G 6,3 n_{max} 18000

Article no.
56 709 ...

Adapter	THSZWS	DCONWS	LB	BD	LPR	
		mm	mm	mm	mm	
SK 40	M8	8,5	50	13,8	69	082
SK 40	M10	10,5	50	18,0	69	102
SK 40	M10	10,5	75	18,0	94	103
SK 40	M10	10,5	100	18,0	119	104
SK 40	M12	12,5	50	21,0	69	122
SK 40	M12	12,5	75	21,0	94	123
SK 40	M12	12,5	100	21,0	119	124
SK 40	M16	17,0	50	29,0	69	162
SK 40	M16	17,0	75	29,0	94	163
SK 40	M16	17,0	100	29,0	119	164

Accessories

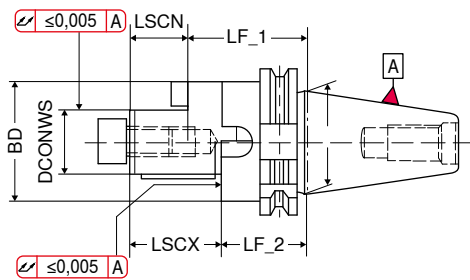
		
Extension-Reduction set → 17 19	Pull studs → 48–49	Others → 17 34

Combination shell mill adapter

▲ For milling cutters with transverse or longitudinal groove according to DIN 6358

Scope of supply:

Toolholder with retaining screw, driving ring and dowel spring



A
G 6,3 n_{max} 8000



A
G 6,3 n_{max} 8000

	Adapter	DCONWS	LF_1	BD	LSCX	LSCN	LF_2	Article no. 81 429 ...	Article no. 82 429 ...
		mm	mm	mm	mm	mm	mm		
short	SK 30	16	50	32	27	17	40	016 ¹⁾	
	SK 30	22	50	40	31	19	38	022 ¹⁾	
	SK 30	27	55	48	33	21	43	027 ¹⁾	
	SK 30	32	60	58	38	24	46	032 ¹⁾	
	SK 40	16	55	32	27	17	45		116
	SK 40	22	55	40	31	19	43		122
	SK 40	27	55	48	33	21	43		127
	SK 40	32	60	58	38	24	46		132
	SK 40	40	60	70	41	27	46		140 ¹⁾
	SK 50	16	55	32	27	17	45		316
	SK 50	22	55	40	31	19	43		322
	SK 50	27	55	48	33	21	43		327
	SK 50	32	55	58	38	24	41		332
	SK 50	40	55	70	41	27	41		340 ¹⁾
	SK 50	50	70	90	46	30	54		350 ¹⁾
long	SK 40	16	100	32	27	17	90	216	
	SK 40	22	100	40	31	19	88	222	
	SK 40	27	100	48	33	21	88	227	
	SK 40	32	100	58	38	24	86	232	
	SK 40	40	100	70	41	27	86	240	

1) With cross screw

	Parallel key	Drive ring	Cross nut key	Retaining screw	Retaining screw	Clamping screw
Spare parts	Article no.	Article no.	Article no.	Article no.	Article no.	Article no.
DCONWS	83 950 ...	83 370 ...	83 368 ...	83 367 ...	81 950 ...	83 950 ...
16	284	116	116	016	020	113
22	285	122	122	022	021	124
27	286	127	127	027	022	125
32	287	132	132	032	023	126
40	288	140	140	040		112
50	289	150	150	050		

i Spare part 81 950 ... only use for article 81 429 ...!

Accessories

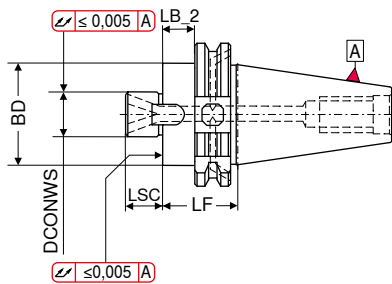
Pull studs	Milling Adapter Rings	Others
→ 48-49	→ 17 28	→ 17 34

Shell mill adapter

▲ Screwed drive dogs

Scope of supply:

Toolholder with retaining screw



A
G 6,3 n_{max} 8000



AD/B
G 6,3 n_{max} 8000

	Adapter	DCONWS	LB_2	LF	BD	LSC	Article no. 81 428 ...	Article no. 82 428 ...
		mm	mm	mm	mm	mm		
short	SK 30	16	21	40	38	17	016 ²⁾	
	SK 30	22	21	40	43	19	022 ²⁾	
	SK 30	27	21	40	43	21	027 ²⁾	
	SK 30	32	31	50	78	24	032 ²⁾	
	SK 40	16	25	44	38	17		116
	SK 40	22	25	44	48	19		122
	SK 40	27	36	55	58	21		127
	SK 40	32	31	50	78	24		132
	SK 40	40	31	50	88	27		140 ¹⁾
	SK 50	16	25	44	38	17		316
	SK 50	22	25	44	48	19		322
	SK 50	27	25	44	58	21		327
	SK 50	32	21	40	78	24		332
	SK 50	40	31	50	88	27		340 ¹⁾
long	SK 40	16	81	100	38	17		416
	SK 40	22	81	100	48	19		422
	SK 40	27	81	100	58	21		427
	SK 40	32	81	100	78	24		432
	SK 40	40	81	100	88	27		440 ¹⁾
	SK 50	16	81	100	38	17		616
	SK 50	22	81	100	48	19		622
	SK 50	27	81	100	58	21		627
	SK 50	32	81	100	78	24		632
	SK 50	40	81	100	88	27		640 ¹⁾
medium length	SK 40	16	111	130	38	17		816
	SK 40	22	111	130	48	19		822
	SK 40	27	111	130	58	21		827
	SK 40	32	111	130	78	24		832
	SK 40	40	111	130	88	27		840 ¹⁾
	SK 50	16	111	130	38	17		916
	SK 50	22	111	130	48	19		922
	SK 50	27	111	130	58	21		927
	SK 50	32	111	130	78	24		932
	SK 50	40	111	130	88	27		940
extra-long	SK 40	16	141	160	38	17		516
	SK 40	22	141	160	48	19		522
	SK 40	27	141	160	58	21		527
	SK 40	32	141	160	78	24		532
	SK 40	40	141	160	88	27		540 ¹⁾
	SK 50	16	141	160	38	17		716
	SK 50	22	141	160	48	19		722
	SK 50	27	141	160	58	21		727
	SK 50	32	141	160	78	24		732
	SK 50	40	141	160	88	27		740 ¹⁾

1) With cross screw and 4 holes M12, Pitch Circle diameter = 66.7 mm, coolant outlet on the outer diameter of the spigot (DCONWS)!

2) With cross screw

Spare parts facemill adapters

									
		Driver		Cross nut key		Retaining screw		Clamping screw	
Spare parts DCONWS		Article no. 83 950 ...		Article no. 83 368 ...		Article no. 83 367 ...		Article no. 83 950 ...	
16	8x9x17,5	120	116	M8	016	M8x25	113		
22	10x11x20,5	121	122	M10	022	M10x25	124		
27	12x13x24,3	122	127	M12	027	M12x30	125		
32	14x21x21,2	123	132	M16	032	M16x35	126		
40	15,9x16,3x19,5	295	140	M20	040	M20x40	112		
									
		Drive dogs		Drive screw		Screw for drivers			
DCONWS		Article no. 81 950 ...		Article no. 81 950 ...		Article no. 83 950 ...			
16	8x8x14	001	M3x8	010	M3x8	296			
22	10x10x17	002	M4x8	011	M4x12	297			
27	12x14x20	003	M4x14	012	M5x12	136			
32	14x14x22	004	M5x13	013	M5x20	137			
40					M6x16	138			

i Spare part 81 950 ... only use for article 81 428 ...!

Accessories

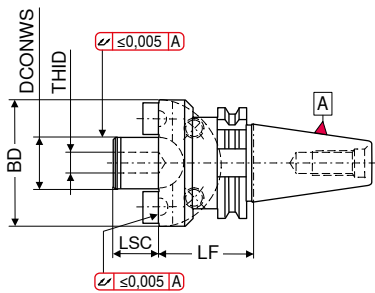
		
Pull studs	Extensions	Others
→ 48-49	→ 17 26	→ 17 34

Large diameter facemill adapter

▲ For milling cutters with keyway or drive slot DIN 6357

Scope of supply:

Holder with integrated drive dogs according to DIN 2079 and 4 fixation screws



A
G 6,3 n_{max} 8000

Adapter	DCONWS	LF	BD	LSC	THID	Article no. 82 432 ...
	mm	mm	mm	mm		
SK 40	40	60	89	30	M20	040
SK 50	40	70	89	30	M20	240
SK 50	60	70	129	40	M30	260

										
		Screw for drivers			Driver			Socket head screw	Clamping screw	
Spare parts DCONWS	Article no.		Article no.		Article no.		Article no.			
	83 950 ...		83 950 ...		70 950 ...		83 950 ...			
	40	M6x16	138	15,9x16,3x19,5	295		M12x50	140		
	60		25,4x16,3x26,5	298	M12x30	181	M16x45	160		

Accessories

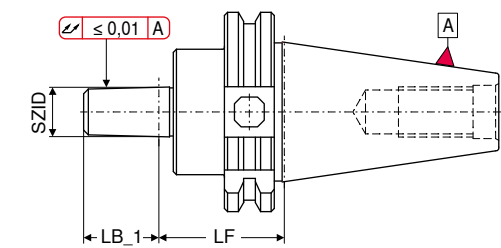


Pull studs
→ 48-49



Others
→ 17|34

Drill chuck adapter



A
G 6,3 n_{max} 8000

Adapter	SZID	LF	LB_1	Article no.
		mm	mm	82 423 ...
SK 40	B12	40	18,5	112
SK 40	B16	40	24,0	116
SK 50	B16	40	24,0	316
SK 50	B18	40	32,0	318

Spare parts
SZID

		Article no.	Article no.
		83 636 ...	83 636 ...
B12	0 - 8 mm	012	0 - 10 mm 112
B16	1 - 13 mm	016	3 - 16 mm 116
B18			3 - 16 mm 018



Drill chuck



Drill chuck

Accessories



Pull studs
→ 48-49

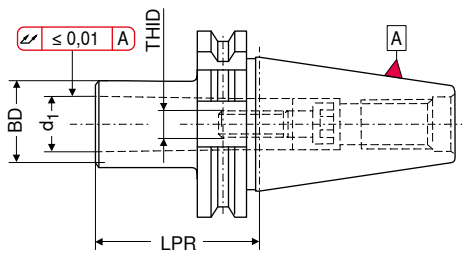


Others
→ 17|34

Milling sleeve adapters DIN 6364 for DIN 228-2C Morse taper shanks with thread

Scope of supply:

Holder with retaining screw

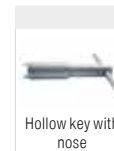
A
G 6,3 n_{max} 8000

	Adapter	d ₁	LPR	BD	THID	Article no. 82 446 ...
			mm	mm		
short	SK 40	MK1	50	25	M6	110
	SK 40	MK2	50	32	M10	120
	SK 40	MK3	70	40	M12	130
	SK 40	MK4	95	48	M16	140
	SK 50	MK1	45	25	M6	310
	SK 50	MK2	60	32	M10	320
	SK 50	MK3	65	40	M12	330
	SK 50	MK4	95	48	M16	340
	SK 50	MK5	120	63	M20	350

i Disassembly instructions can be found in → **Chapter 17, Accessories.**

Morse taper
clamping screw

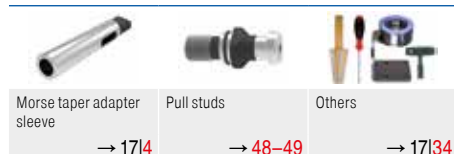
Counterscrew

Hollow key with
nose

Fixing ring

Spare parts	Article no. 83 950 ...		Article no. 83 950 ...		Article no. 83 359 ...		Article no. 83 950 ...	
for Article no.								
82 446 110	M6x30	260	M5x6	030	16 x 32	013	M16x8x6,5	265
82 446 120	M10x30	261	M5x8	031	16 x 32	013	M16x8x10,5	267
82 446 130	M12x35	018	M5x6	030	17 x 117	017	M20x1,5x10x13	269
82 446 140	M16x40	019	M5x8	031	23 x 145	023	M26x1,5x17	270
82 446 310	M6x30	260	M5x8	031	20 x 135	020	M24x10x6,5	266
82 446 320	M10x30	017	M5x8	031	20 x 135	020	M24x10x10,5	268
82 446 330	M10x30	017	M5x8	031	17 x 117	017	M20x1,5x10x13	269
82 446 340	M16x40	019	M5x8	031	23 x 145	023	M26x1,5x17	270
82 446 350	M20x50	262	M5x8	031	33 x 175	033	M36x1,5x21	271

Accessories

Morse taper adapter
sleeve

→ 17|4

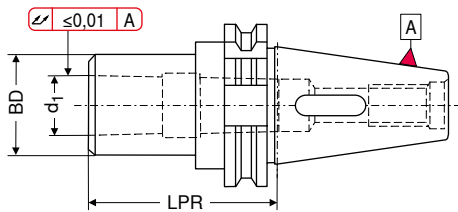
Pull studs

→ 48–49

Others

→ 17|34

Taper sleeve DIN6383 for DIN 228-2D Morse taper shanks

AD
G 6,3 n_{max} 8000AD
G 6,3 n_{max} 8000

	Adapter	d ₁	LPR	BD	Article no. 81 439 ...	Article no. 82 439 ...
			mm	mm		
short	SK 30	MK1	50	25	010	
	SK 30	MK2	65	32	020	
	SK 30	MK3	80	40	030	
	SK 40	MK1	50	25		110
	SK 40	MK2	50	32		120
	SK 40	MK3	70	40		130
	SK 40	MK4	95	48		140
	SK 50	MK1	50	25		310
	SK 50	MK2	60	32		320
	SK 50	MK3	65	40		330
	SK 50	MK4	95	48		340
	SK 50	MK5	105	63		350
long	SK 40	MK2	117	32	220	
	SK 40	MK3	133	40	230	
	SK 40	MK4	156	48	240	

Accessories

		
Morse taper adapter sleeve	Pull studs	Others
→ 17 4	→ 48–49	→ 17 34

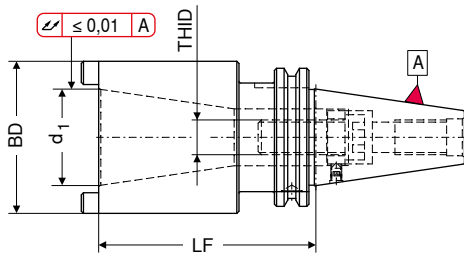
Milling adapter sleeve

▲ For mounting tool holders according to DIN 2080

▲ With an extended retaining screw also tool holders according to DIN 69871, MAS-BT and ANSI-CAT can be clamped

Scope of supply:

Holder with clamping screw for DIN 2080 adapters



A
G 6,3 n_{max} 8000



A
G 6,3 n_{max} 8000

Adapter	d ₁	LF	BD	THID
		mm	mm	
SK 40	SK 30	40	51	M12
SK 40	SK 40	100	70	M16
SK 50	SK 40	80	70	M16
SK 50	SK 50	120	100	M24

Article no.
81 453 ...

Article no.
82 453 ...

030

040

240

250

Spare parts

for Article no.

	Article no. 83 950 ...	Article no. 81 950 ...	Article no. 81 950 ...	Article no. 83 950 ...	Article no. 83 359 ...	Article no. 81 950 ...	Article no. 83 950 ...
81 453 030	263	160	033		017	170	
82 453 040	009			030	023		270
82 453 240	264						
82 453 250	256			031	133		257



Clamping screw
SK



Clamping screw



Counterscrew



Counterscrew



Hollow key with
nose



Fixing ring



Fixing ring

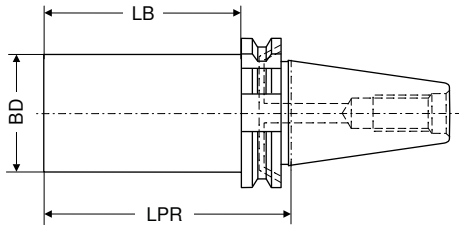
Auxiliary table for finding the required spare parts and accessories for intermediate sleeves for SK-adapters

DIN 69871	Norm of the SK-shank		Clamping screw length				
Suitable for article no.	Ø d ₁ DIN 69871	Ø d ₁ DIN 2080	THID	Clamping screw SK Article No.	Retaining ring Article No.	Lock screw Article No.	Hollow key Article No.
81 453 030		SK 30	M12 x 35	81 950 160	81 950 170	81 950 033	83 359 017
82 453 040	SK 40		M16 x 70	83 950 264	83 950 270	83 950 030	83 359 023
82 453 040		SK 40	M16 x 40	83 950 009	83 950 270	83 950 030	83 359 023
82 453 240	SK 40		M16 x 70	83 950 264			
82 453 240		SK 40	M16 x 40	83 950 009			
82 453 250	SK 50		M24 x 80	83 950 256	83 950 257	83 950 031	83 359 133
82 453 250		SK 50	M24 x 50	83 950 263	83 950 257	83 950 031	83 359 133

i Spare part 81 950 ... only use for article 81 453 ...!

Blank

- ▲ Material: Steel 17CrNiMo5
- ▲ For production of special tools
- ▲ Diameter BD turned with 0.5 mm oversize
- ▲ Taper hardened and ground
- ▲ Special tool area in soft state



AD/B

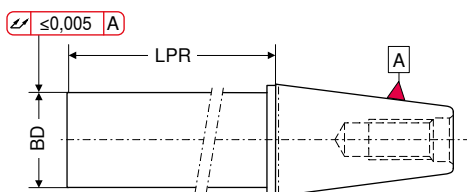
Adapter	BD	LPR	LB	Article no. 82 458 ...
	mm	mm	mm	
SK 40	63,0	250	231	040
SK 50	63,5	300	281	050

Test bar

- ▲ Without clamping slots
- ▲ MAS BT 40 special pull stud with LF = 32 mm

Scope of supply:

In wooden box



Adapter	BD	LPR	Article no. 82 456 ...
	mm	mm	
SK / BT 40	40	330	040
SK / BT 50	50	330	050

Accessories

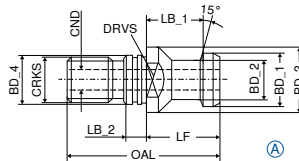
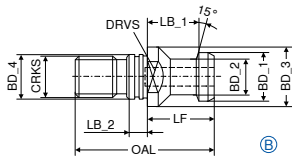
	
Pull studs	Others
→ 48–49	→ 17 34

Pull studs for tool holders according to DIN 69871

- ▲ DIN 69872 form A and B
- ▲ For tools with or without axial coolant supply

Scope of supply:

Including O-Ring



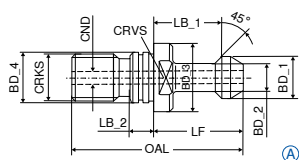
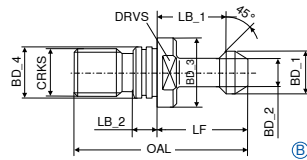
Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX	form	Article no. 82 468 ...	Article no. 82 475 ...
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm			
SK 30	13	9	17	13	M12	44	24	19	5	3,5	14	60	A	030	
SK 40	19	14	23	17	M16	54	26	20	7	7,0	19	90	A	040	
SK 50	28	21	36	25	M24	74	34	25	10	11,5	30	145	A	050	
SK 30	13	9	17	13	M12	44	24	19	5		14	60	B		030
SK 40	19	14	23	17	M16	54	26	20	7		19	90	B		040
SK 50	28	21	36	25	M24	74	34	25	10		30	145	B		050

Pull studs for tool holders according to DIN 69871

- ▲ Similar to BT 45°, but 3 mm shorter
- ▲ For Haas, Micron and Hurco machines

Scope of supply:

Including O-Ring



Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX	form	Article no. 83 535 ...	Article no. 83 538 ...
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm			
SK 40	15	10	23	17	M16	57	32	25	5	4	19	90	A	040	
SK 40	15	10	23	17	M16	57	32	25	5		19	90	B		040



O-Ring

Spare parts BD_4

	Article no. 83 476 ...
17	BT / SK 40 040
25	BT / SK 50 050

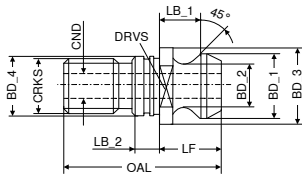
Pull studs for tool holders according to DIN 69871

▲ Similar to ISO / DIS 7388 (ANSI-CAT only for SK 40) Form A

Scope of supply:

SK 50 including O-ring

SK 40 without O-ring groove



Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm
SK 40	18,95	12,95	22,5	17	M16	41,26	16,40	11,15	4,0	6,0	19	90
SK 50	29,10	19,60	37,0	25	M24	65,50	25,55	17,95	5,5	11,5	30	145

Article no.
82 487 ...

040

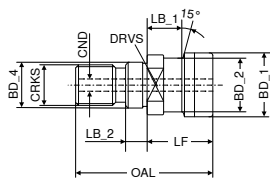
050

Pull studs for tool holders according to DIN 69871

▲ SK 40 with circlip groove and edge protection, with and without internal thread

▲ SK 50 with circlip groove, with and without internal thread

▲ For tools according to DIN 69871 for conversion to DIN 2080



Adapter	BD_1	BD_2	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX
	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm
SK 40	25,0	21,1	17	M16	53	25	13,6	8	7	19	90
SK 50	39,3	32,0	25	M24	65	25	13,3	10		30	145

With internal
thread

Without internal
thread

Article no.
82 493 ...

Article no.
82 494 ...

040

050 ¹⁾

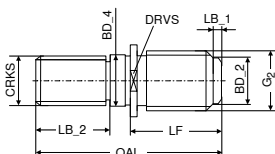
040

050

1) With O ring

Pull studs for tool holders according to DIN 69871

▲ DECKEL thread S 20 x 2



Adapter	G ₂	CRKS	OAL	LF	LB_1	LB_2	BD_2	BD_4	DRVS
			mm	mm	mm	mm	mm	mm	mm
SK 40	S 20 x 2	M16	55	33	4	17	16,7	17	22

Article no.
83 471 ...

040

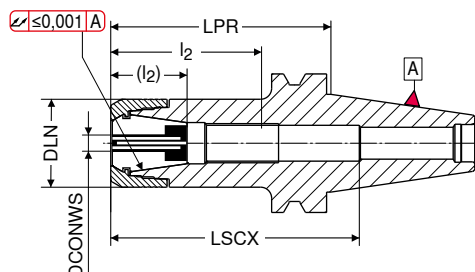
ER Precision Collet chuck

- ▲ For standard or sealed nuts
- ▲ Maximum size collet to ISO tolerance field H10
- ▲ For clamping a roll key is required
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P

AD
G 2,5 $n_{\max}$ 25000

Adapter	DCONWS	LPR	DLN	LSCX	l_2 (l_2)	for collet	Article no. 84 524 ...
	mm	mm	mm	mm	mm		
BT 30	1 - 10	50	30	73	28 - 44 (16 - 31)	426E (ER16)	001
BT 30	1 - 10	75	30	97	28 - 45 (14 - 31)	426E (ER16)	002
BT 30	1 - 10	100	30	123	28 - 44 (16 - 31)	426E (ER16)	003
BT 30	1 - 10	120	30	112	28 - 45 (14 - 31)	426E (ER16)	004
BT 30	2 - 16	60	40	77	35 - 59 (30 - 42)	430E (ER25)	160
BT 30	2 - 16	75	40	72	38 - 56 (23 - 39)	430E (ER25)	161
BT 30	2 - 16	90	40	87	38 - 56 (23 - 39)	430E (ER25)	162
BT 30	2 - 16	120	40	115	38 - 56 (23 - 39)	430E (ER25)	164
BT 30	2 - 20	60	50	69	42 - 52	470E (ER32)	207
BT 30	2 - 20	75	50	84	42 - 62 (24 - 45)	470E (ER32)	208
BT 30	2 - 20	90	50	94	42 - 62 (24 - 45)	470E (ER32)	209
BT 40	1 - 10	75	30	90	38 - 53 (29 - 39)	426E (ER16)	210
BT 40	1 - 10	90	30	120	30 - 50 (29 - 36)	426E (ER16)	310
BT 40	1 - 10	120	30	140	29 - 45 (29 - 35)	426E (ER16)	410
BT 40	1 - 10	150	30	180	29 - 45 (29 - 32)	426E (ER16)	510
BT 40	1 - 10	200	30	220	29 - 50 (29 - 36)	426E (ER16)	610
BT 40	2 - 16	60	40	92	44 - 64 (36 - 46)	430E (ER25)	116
BT 40	2 - 16	75	40	100	42 - 59 (36 - 41)	430E (ER25)	216
BT 40	2 - 16	90	40	91	42 - 59 (36 - 41)	430E (ER25)	316
BT 40	2 - 16	105	40	100	35 - 60 (20 - 42)	430E (ER25)	168
BT 40	2 - 16	120	40	91	40 - 65 (36 - 47)	430E (ER25)	416
BT 40	2 - 16	150	40	100	40 - 64 (36 - 45)	430E (ER25)	516
BT 40	2 - 16	200	40	150	40 - 64 (36 - 45)	430E (ER25)	616
BT 40	2 - 20	60	50	55	45 - 64 (42 - 46)	470E (ER32)	120
BT 40	2 - 20	75	50	100	42 - 76 (42 - 52)	470E (ER32)	220
BT 40	2 - 20	90	50	100	42 - 76 (42 - 52)	470E (ER32)	320
BT 40	2 - 20	120	50	110	42 - 71 (42 - 53)	470E (ER32)	420
BT 40	2 - 20	150	50	110	42 - 71 (42 - 53)	470E (ER32)	520
BT 40	3 - 26	75	63	78	54 - 59	472E (ER40)	226
BT 40	3 - 26	105	63	93	55 - 71 (48 - 53)	472E (ER40)	326
BT 50	2 - 20	75	50	110	45 - 70 (42 - 53)	470E (ER32)	720
BT 50	2 - 20	105	50	140	45 - 63 (42 - 45)	470E (ER32)	820
BT 50	2 - 20	165	50	200	45 - 74 (42 - 56)	470E (ER32)	920
BT 50	3 - 26	75	63	100	48 - 58	472E (ER40)	726
BT 50	3 - 26	105	63	100	48 - 58	472E (ER40)	826

→ Transmittable torque moments, Page 233

- i** LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 3 mm longer

Spare parts, ER precision collet chuck

				
Spare parts	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
for collet				
426E (ER16)	011	001	M11x1 - SW6	337
430E (ER25)	013	003	M18x1,5 - SW6	431
470E (ER32)	015	005	M22x1,5 - SW6	401
472E (ER40)	017	007	M28x1,5 - SW6	400

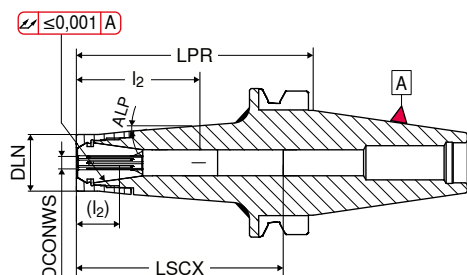
ER Precision tapered collet chuck

- ▲ for special tapered nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P

AD/B
G 2,5 $n_{\max}$ 25000

Adapter	DCONWS	LPR	DLN	LSCX	l_2 (l_2)	for collet	ALP	Article no. 84 517 ...
	mm	mm	mm	mm	mm			
BT 40	1 - 10	100	24	72	28 - 48 (20 - 35)	426E (ER16)	4,5°	410
BT 40	1 - 10	160	24	180	28 - 48 (20 - 35)	426E (ER16)	4,5°	510

→ Transmittable torque moments, page 233

- i** LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

				
Spare parts	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
for collet				
426E (ER16)	033	031	M11x1 - SW6	337

Accessories

					
ER collet	Sealing ring	roll key	roll key device	Pull studs	Others
→ 208–211, 213	→ 207	→ 17 36	→ 17 36	→ 91–92	→ 17 34

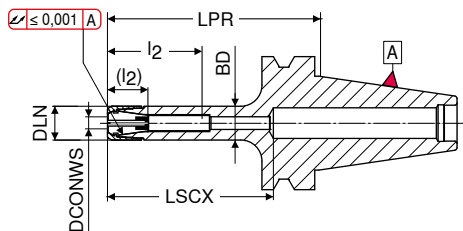
ER Precision collet chuck, slim version

- ▲ For Mini Clamping Nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P

AD/B
G 2,5 $n_{\max}$ 25000AD
G 2,5 $n_{\max}$ 25000

Adapter	DCONWS	LPR	DLN	BD	LSCX	l_2 (l_2)	for collet	Article no. 84 508 ...	Article no. 84 507 ...
	mm	mm	mm	mm	mm	mm			
BT 30	1 - 7	50	16	16	68	18 - 32 (12 - 22)	4008E (ER11)		007
BT 30	1 - 7	100	16	16	68	18 - 36 (12 - 26)	4008E (ER11)		008
BT 40	1 - 7	75	16	16	100	15 - 30 (8 - 21)	4008E (ER11)	307	
BT 40	1 - 7	90	16	16	68	18 - 36 (12 - 26)	4008E (ER11)	40600	
BT 40	1 - 7	120	16	16	140	15 - 30 (8 - 21)	4008E (ER11)	507	
BT 40	1 - 7	150	16	16	68	18 - 36 (12 - 26)	4008E (ER11)	90600	
BT 40	1 - 10	75	22	22	100	27 - 49 (16 - 32)	426E (ER16)	216	
BT 40	1 - 10	90	22	22	115	27 - 49 (16 - 32)	426E (ER16)	316	
BT 40	1 - 10	120	22	22	145	27 - 49 (16 - 32)	426E (ER16)	416	
BT 40	1 - 10	150	22	22	175	27 - 49 (16 - 32)	426E (ER16)	516	

→ Transmittable torque moments, Page 233

- i** LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet

4008E (ER11)	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
426E (ER16)	035	034	340	336
			341	337

Accessories

ER collet	Sealing ring	Device	Roll key	Roll key device	Pull studs	Others
→ 208–211, 213	→ 207	→ 17 35	→ 17 36	→ 17 36	→ 91–92	→ 17 34

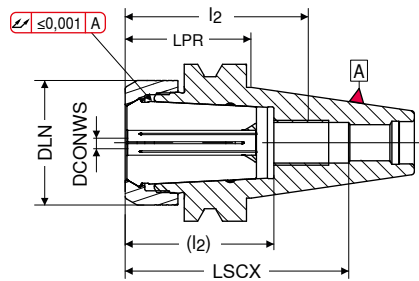
OZ Precision Collet Chuck

- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P



AD/B
G 2,5 n_{max} 25000

Article no.
84 513 ...

225

Adapter	DCONWS	LPR	DLN	LSCX	l_2 (l_2)	for collet
	mm	mm	mm	mm	mm	
BT 40	2 - 25	51	50	89	70 (56)	462E

→ Transmittable torque moments, Page 233

i LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet
462E

Article no. 84 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
020	402	401
M22x1,5 - SW6	M22x1,5 - SW6	

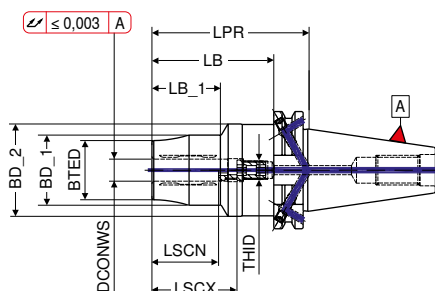
Accessories

→ 217	→ 217	→ 17 36	→ 17 36	→ 91-92	→ 17 34

High pressure chuck, short version

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BTED	BD_1	BD_2	LB_1	LSCX	LSCN	LB	THID	Article no. 83 526 ...
		mm	mm	mm	mm	mm	mm	mm	mm	mm		
Short	BT 40	16	95	36	42	50	42	49	39	71	M12x1	116
	BT 40	20	100	42	48	50	45	51	41	76	M16x1	120
	BT 40	25	110	51	57	50	60	57	47	91	M16x1	125
	BT 40	32	120	57	63	50	65	61	51	101	M16x1	132

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

Spare parts

for Article no.

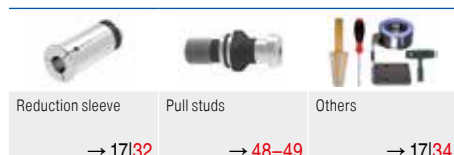
	Pressure pin	Article no. 83 950 ...	Pressure screw	Article no. 83 950 ...	Stop screw IK	Article no. 83 950 ...
83 526 116	Ø5 x 16	433	M10x1x14	429	M12x1x18	446
83 526 120	Ø6 x 16	434	M10x1x12	159	M16x1x18,5	448
83 526 125	Ø6 x 16	434	M10x1x12	159	M16x1x22	449
83 526 132	Ø6 x 16	434	M10x1x14	429	M16x1x25	450

Spare parts

for Article no.

	Cylindrical screw	Article no. 83 950 ...	Clamping key – T	Article no. 80 397 ...
83 526 116	M5x5 - SW2,5	157	SW5	050
83 526 120	M5x5 - SW2,5	157	SW5	050
83 526 125	M5x5 - SW2,5	157	SW5	050
83 526 132	M5x5 - SW2,5	157	SW5	050

Accessories



Reduction sleeve

Pull studs

Others

→ 17|32

→ 48–49

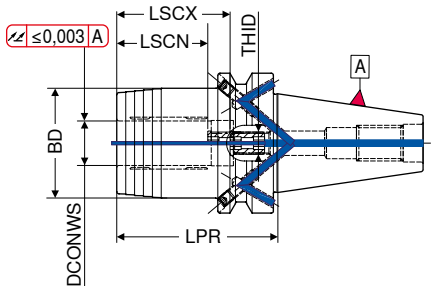
→ 17|34

High pressure chuck, short and stable version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

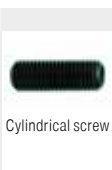
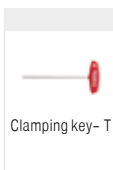
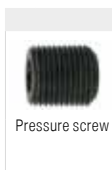
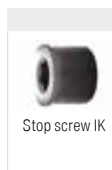
Article no.
83 513 ...

120

Adapter	DCONWS	LPR	BD	LSCX	LSCN	THID
	mm	mm	mm	mm	mm	
BT 40	20	72,5	49	51	40	M16x1x13,5

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

				
	Cylindrical screw	Clamping key - T	Pressure screw	Stop screw IK
Spare parts	Article no. 83 950 ...	Article no. 80 397 ...	Article no. 83 950 ...	Article no. 83 950 ...
for Article no.				
83 513 120	M5x5 - SW2,5	157	SW5	050
			M10x1x14	429
			M16x1x13,5 - SW8	424

Accessories

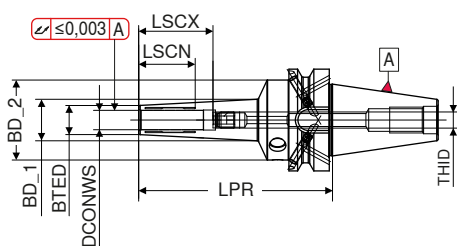
		
Reduction sleeve	Pull studs	Others
→ 17 32	→ 91-92	→ 17 34

High pressure chuck, slim 3°

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw, pressure screw and screw plug



AD/B
G 2,5 n_{max} 25000

Article no.
83 522 ...

	Adapter	DCONWS	LPR	BTED	BD_1	BD_2	LSCX	LSCN	THID	
		mm	mm	mm	mm	mm	mm	mm		
long	BT40	3	120	9	16,55	49,5	28	12	M3	103
	BT40	4	120	10	17,55	49,5	28	16	M3	104
	BT40	5	120	11	18,55	49,5	28	20	M3	105
	BT40	6	120	12	19,55	49,5	37	27	M5	106
	BT40	8	120	14	21,55	49,5	37	27	M6	108
	BT40	10	120	16	23,65	49,5	41	31	M8x1	110
	BT40	12	120	18	25,76	49,5	46	36	M10x1	112
	BT40	16	120	24	31,45	49,5	49	39	M12x1	116
	BT40	20	120	28	35,55	49,5	51	41	M16x1	120
	BT40	6	160	16	33,53	49,5	37	27	M5	206
	BT40	8	160	18	34,60	49,5	37	27	M6	208
	BT40	10	160	20	36,27	49,5	41	31	M8x1	210
	BT40	12	160	22	37,88	49,5	46	36	M10x1	212
	BT40	6	200	16	37,88	49,5	37	27	M5	306
	BT40	8	200	18	38,90	49,5	37	27	M6	308
	BT40	10	200	20	40,57	49,5	41	31	M8x1	310
	BT40	12	200	22	42,18	49,5	46	36	M10x1	312

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth



Cylindrical screw



Clamping key – T



Pressure screw



Stop screw IK

Spare parts

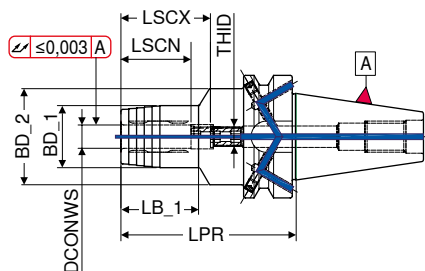
for Article no.	Article no. 83 950 ...	Article no. 80 397 ...	Article no. 83 950 ...	Article no. 83 950 ...
83 522 103	M5x5 - SW2,5 157	SW5 050	M10x1x10 158	M3x20 - SW1,5 172
83 522 104	M5x5 - SW2,5 157	SW5 050	M10x1x10 158	M3x20 - SW1,5 172
83 522 105	M5x5 - SW2,5 157	SW5 050	M10x1x10 158	M3x20 - SW1,5 172
83 522 106	M5x5 - SW2,5 157	SW5 050	M10x1x10 158	M5x12,5 - SW2,5 418
83 522 108	M5x5 - SW2,5 157	SW5 050	M10x1x10 158	M6x12,5 - SW3 419
83 522 110	M5x5 - SW2,5 157	SW5 050	M10x1x12 159	M8x1x13,5 - SW3 420
83 522 112	M5x5 - SW2,5 157	SW5 050	M10x1x12 159	M10x1x13,5 - SW5 421
83 522 116	M5x5 - SW2,5 157	SW5 050	M10x1x12 159	M12x1x13,5 - SW5 422
83 522 120	M5x5 - SW2,5 157	SW5 050	M10x1x12 159	M16x1x13,5 - SW8 424
83 522 206	M5x5 - SW2,5 157	SW5 050	M10x1x10 158	M5x12,5 - SW2,5 418
83 522 208	M5x5 - SW2,5 157	SW5 050	M10x1x10 158	M6x12,5 - SW3 419
83 522 210	M5x5 - SW2,5 157	SW5 050	M10x1x12 159	M8x1x13,5 - SW3 420
83 522 212	M5x5 - SW2,5 157	SW5 050	M10x1x12 159	M10x1x13,5 - SW5 421
83 522 306	M5x5 - SW2,5 157	SW5 050	M10x1x10 158	M5x12,5 - SW2,5 418
83 522 308	M5x5 - SW2,5 157	SW5 050	M10x1x10 158	M6x12,5 - SW3 419
83 522 310	M5x5 - SW2,5 157	SW5 050	M10x1x12 159	M8x1x13,5 - SW3 420
83 522 312	M5x5 - SW2,5 157	SW5 050	M10x1x12 159	M10x1x13,5 - SW5 421

Hydraulic chuck MAS BT, short and slim version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

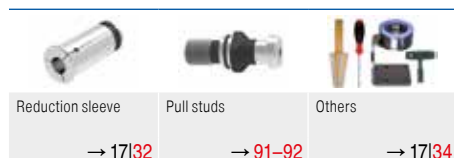
Adapter	DCONWS	LPR	BD_1	BD_2	LSCX	LSCN	LB_1	THID	Article no. 83 521 ...
	mm	mm	mm	mm	mm	mm	mm		
BT 40	6	90	26	49,5	37	27	29	M5	106
BT 40	8	90	28	49,5	37	27	30	M6	108
BT 40	10	90	30	49,5	41	31	35	M8x1	110
BT 40	12	90	32	49,5	46	36	40	M10x1	112
BT 40	16	90	38	49,5	49	39	45	M12x1	116
BT 40	20	90	42	49,5	51	41	47	M16x1	120
BT 40	25	90	55	52,0	57	47	50	M16x1	125
BT 40	32	90	63	62,0	61	51	48	M16x1	132
BT 50	6	90	26	49,5	37	27	29	M5	306
BT 50	8	90	28	49,5	37	27	30	M6	308
BT 50	10	90	30	49,5	41	31	34	M8x1	310
BT 50	12	90	32	49,5	46	36	34	M10x1	312
BT 50	16	90	38	49,5	49	39	35	M12x1	316
BT 50	20	90	42	49,5	51	41	35	M16x1	320
BT 50	25	110	55	63,0	57	47	48	M16x1	325
BT 50	32	110	63	70,0	61	51	50	M16x1	332

→ Min. clamping depth, Page 233

Spare parts

DCONWS	Article no. 83 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
6	M8x1x10 439		M5x12,5 - SW2,5 418
8	M8x1x10 439	M6x14 - SW2 417	M6x12,5 - SW3 419
10	M10x1x12 440		M8x1x13,5 - SW3 420
12	M10x1x12 440		M10x1x13,5 - SW5 421
16	M10x1x12 440		M12x1x13,5 - SW5 422
20 - 32	M10x1x12 440		M16x1x13,5 - SW8 424

Accessories

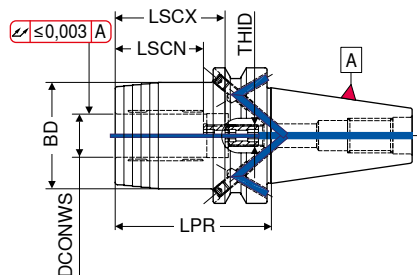


Hydraulic chuck MAS BT, short and stable version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD/B
G 2,5 n_{max} 25000

Article no.
83 518 ...

Adapter	DCONWS	LPR	BD	LSCX	LSCN	THID
	mm	mm	mm	mm	mm	
BT 40	20	72,5	49,5	51	41	M16x1
BT 50	32	90,0	72,0	61	51	M16x1

120

332

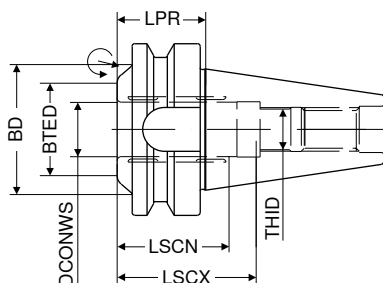
→ Min. clamping depth, Page 233

Hydraulic chuck, extra short

▲ For solid carbide and HSS shanks to h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

Article no.
83 523 ...

Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID
	mm	mm	mm	mm	mm	mm	
BT 40	20	32,5	34	48	51	41	M16x1

120

→ Min. clamping depth, Page 233

Spare parts

DCONWS



Pressure screw



Stop screw IK

Article no.
83 950 ...

Article no.
83 950 ...

20-32

M10x1x12

440

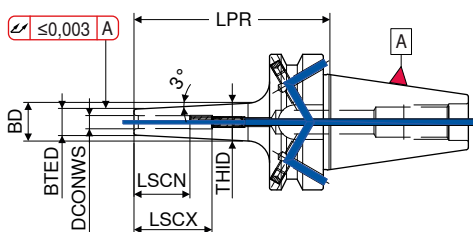
M16x1x13,5-SW8

424

Shrink adapter, Slim 3°

▲ For solid carbide and HSS shanks to h6 tolerance or better

TG



AD/B
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID	Article no. 84 323 ...
		mm	mm	mm	mm	mm	mm		
short	BT 40	3	90	9	15	28	12	M6	103
	BT 40	4	90	10	16	28	16	M6	104
	BT 40	5	90	11	17	30	20	M6	105
	BT 40	6	90	12	18	36	26	M5	106
	BT 40	8	90	14	20	36	26	M6	108
	BT 40	10	90	16	22	41	31	M8x1	110
	BT 40	12	90	18	24	47	37	M10x1	112
	BT 40	14	90	20	26	47	37	M10x1	114
	BT 40	16	90	22	28	50	40	M12x1	116
	BT 40	18	90	24	30	50	40	M12x1	118
BT 40	20	90	26	32	52	42	M16x1	120	
long	BT 40	3	120	9	16	12	12		203
	BT 40	4	120	10	17	16	16		204
	BT 40	5	120	11	18	20	20		205
	BT 40	6	120	12	21	36	26	M5	206
	BT 40	8	120	14	23	36	26	M6	208
	BT 40	10	120	16	25	41	31	M8x1	210
	BT 40	12	120	18	27	47	37	M10x1	212
	BT 40	14	120	20	29	47	37	M10x1	214
	BT 40	16	120	22	31	50	40	M12x1	216
	BT 40	18	120	24	33	50	40	M12x1	218
BT 40	20	120	26	35	52	42	M16x1	220	
extra-long	BT 40	3	160	9	19	12	12		303
	BT 40	4	160	10	20	16	16		304
	BT 40	5	160	11	21	20	20		305
	BT 40	6	160	12	24	36	26	M5	306
	BT 40	8	160	14	26	36	26	M6	308
	BT 40	10	160	16	28	41	31	M8x1	310
	BT 40	12	160	18	30	47	37	M10x1	312
	BT 40	14	160	20	32	47	37	M10x1	314
	BT 40	16	160	22	34	50	40	M12x1	316
	BT 40	18	160	24	36	50	40	M12x1	318
BT 40	20	160	26	38	52	42	M16x1	320	

→ Min. clamping depth, Page 233



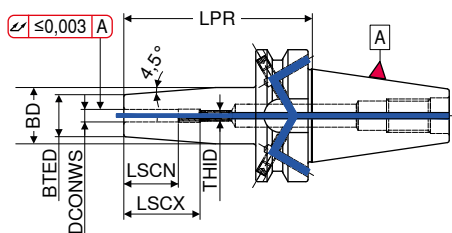
Spare parts
DCONWS

3-5	M6x14 - SW2	417		
6			M5x12,5 - SW2,5	418
8			M6x12,5 - SW3	419
10			M8x1x13,5 - SW3	420
12-14			M10x1x13,5 - SW5	421
16-18			M12x1x13,5 - SW5	422
20			M16x1x13,5 - SW8	424

Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks to h6 tolerance or better

TG

AD/B
G 2,5 n_{max} 25000AD
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID	Article no. 84 303 ...	Article no. 84 303 ...
		mm	mm	mm	mm	mm	mm			
Short	BT 30	3	85	10	17	28	12	M6		003
	BT 30	4	85	15	22	28	16	M6		004
	BT 30	5	85	15	22	30	20	M6		005
	BT 30	6	85	21	27	36	26	M5		006
	BT 30	8	85	21	27	36	26	M6		008
	BT 30	10	85	24	32	41	31	M8x1		010
	BT 30	12	85	24	32	47	37	M10x1		012
	BT 30	14	85	27	34	47	37	M10x1		014
	BT 30	16	85	27	34	50	40	M12x1		016
	BT 30	18	85	33	42	50	40	M12x1		018
	BT 30	20	85	33	42	52	42	M16x1		020
	BT 40	3	90	10	17	28	12	M6	103	
	BT 40	4	90	15	22	28	16	M6	104	
	BT 40	5	90	15	22	30	20	M6	105	
	BT 40	6	90	21	27	36	26	M5	106	
	BT 40	8	90	21	27	36	26	M6	108	
	BT 40	10	90	24	32	41	31	M8x1	110	
	BT 40	12	90	24	32	47	37	M10x1	112	
	BT 40	14	90	27	34	47	37	M10x1	114	
	BT 40	16	90	27	34	50	40	M12x1	116	
	BT 40	18	90	33	42	50	40	M12x1	118	
	BT 40	20	90	33	42	52	42	M16x1	120	
	BT 40	25	100	44	53	58	48	M16x1	125	
Long	BT 40	3	120	10	20	12	12		203	
	BT 40	4	120	15	22	16	16		204	
	BT 40	5	120	15	22	20	20		205	
	BT 40	6	120	21	27	36	26	M5	206	
	BT 40	8	120	21	27	36	26	M6	208	
	BT 40	10	120	24	32	41	31	M8x1	210	
	BT 40	12	120	24	32	47	37	M10x1	212	
	BT 40	14	120	27	34	47	37	M10x1	214	
	BT 40	16	120	27	34	50	40	M12x1	216	
	BT 40	18	120	33	42	50	40	M12x1	218	
	BT 40	20	120	33	42	52	42	M16x1	220	
	BT 40	25	120	44	53	58	48	M16x1	225	
Extra-long	BT 40	3	160	10	20	12	12		303	
	BT 40	4	160	15	22	16	16		304	
	BT 40	5	160	15	22	20	20		305	
	BT 40	6	160	21	27	36	26	M5	306	
	BT 40	8	160	21	27	36	26	M6	308	
	BT 40	10	160	24	32	41	31	M8x1	310	
	BT 40	12	160	24	32	47	37	M10x1	312	
	BT 40	14	160	27	34	47	37	M10x1	314	
	BT 40	16	160	27	34	50	40	M12x1	316	
	BT 40	18	160	33	42	50	40	M12x1	318	
	BT 40	20	160	33	42	52	42	M16x1	320	
	BT 40	25	160	44	53	58	48	M16x1	325	

→ Min. clamping depth, Page 233

Spare parts
DCONWS

3 - 5	M6x14 - SW2	417		
6			M5x12,5 - SW2,5	418
8			M6x12,5 - SW3	419
10			M8x1x13,5 - SW3	420
12 - 14			M10x1x13,5 - SW5	421
16 - 18			M12x1x13,5 - SW5	422
20 - 25			M16x1x13,5 - SW8	424



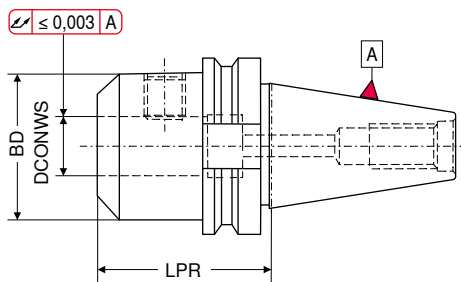
Stop screw IK



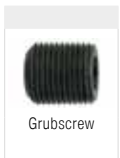
Stop screw IK

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



	Adapter	DCONWS _{H4}	LPR	BD				
					AD G 6,3 n _{max} 8000	AD G 6,3 n _{max} 8000	AD G 2,5 n _{max} 18000	ADe G 6,3 n _{max} 8000
		mm	mm	mm	Article no. 81 502 ...	Article no. 82 502 ...	Article no. 82 501 ...	Article no. 82 503 ...
short	BT 30	6	50	25	006			
	BT 30	8	50	28	008			
	BT 30	10	50	35	010			
	BT 30	12	50	42	012			
	BT 30	14	50	44	014			
	BT 30	16	63	48	016			
	BT 30	18	63	50	018			
	BT 30	20	63	52	020			
extra short	BT 40	16	35	48		416	416	416
	BT 40	20	35	50		420	420	420
	BT 40	25	40	50		425	425	425
	BT 40	32	75	72		432		432



Spare parts DCONWS _{H4}			Article no. 62 950 ...
6	M6x10	006	
8	M8x10	008	
10	M10x12	010	
12 - 14	M12x16	012	
16 - 18	M14x16	016	
20	M16x16	020	
25	M18x2x20	025	
32	M20x2x20	032	

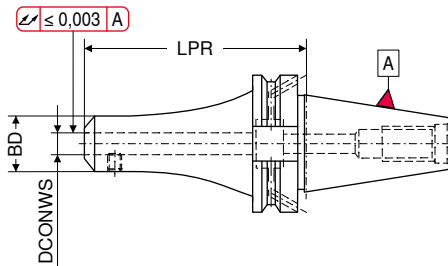
Accessories

Pull studs
→ 91-92

Others
→ 17|34

Cylindrical shank adapter (Weldon)

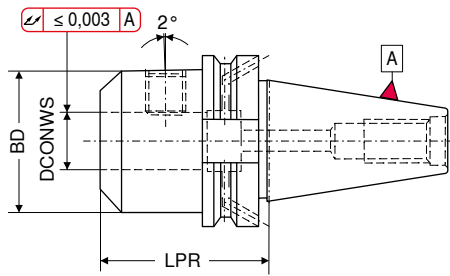
▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat

AD/B
G 6,3 n_{max} 8000AD/B
G 2,5 n_{max} 18000AD/Be
G 6,3 n_{max} 8000AD/Be
G 2,5 n_{max} 18000

	Adapter	DCONWS _{H4}	LPR	BD	Article no. 82 502 ...	Article no. 82 501 ...	Article no. 82 503 ...	Article no. 82 504 ...
		mm	mm	mm				
short	BT 40	6	50	25	106	106	106	106
	BT 40	8	50	28	108	108	108	108
	BT 40	10	63	35	110	110	110	110
	BT 40	12	63	42	112	112	112	112
	BT 40	14	63	44	114	114	114	114
	BT 40	16	63	48	116	116	116	116
	BT 40	18	63	50	118	118	118	118
	BT 40	20	63	52	120	120	120	120
	BT 40	25	100	65	125	125	125	125
	BT 40	32	100	72	132	132	132	
	BT 40	40	120	90	140			
	BT 50	6	63	25	206		206	
	BT 50	8	63	28	208		208	
	BT 50	10	80	35	210		210	
	BT 50	12	80	42	212		212	
	BT 50	14	80	44	214		214	
	BT 50	16	80	48	216		216	
	BT 50	18	80	50	218		218	
	BT 50	20	80	52	220		220	
	BT 50	25	100	65	225		225	
	BT 50	32	105	72	232		232	
	BT 50	40	120	90	240			
long	BT 40	6	100	25	506	506		
	BT 40	8	100	28	508	508		
	BT 40	10	100	35	510	510		
	BT 40	12	100	42	512	512		
	BT 40	14	100	44	514	514		
	BT 40	16	100	48	516	516		
	BT 40	18	100	50	518	518		
	BT 40	20	100	52	520	520		
	BT 50	6	100	25	706			
	BT 50	8	100	28	708			
	BT 50	10	100	35	710			
	BT 50	12	100	42	712			
	BT 50	14	100	44	714			
	BT 50	16	100	48	716			
	BT 50	18	100	50	718			
	BT 50	20	100	52	720			
	BT 50	25	120	65	725			
	BT 40	6	160	25	606	606		
	BT 40	8	160	28	608	608		
	BT 40	10	160	35	610	610		
	BT 40	12	160	42	612	612		
extra-long	BT 40	14	160	44	614	614		
	BT 40	16	160	48	616	616		
	BT 40	18	160	50	618	618		
	BT 40	20	160	52	620	620		
	BT 40	25	160	65	625	625		
	BT 50	6	160	25	806			
	BT 50	8	160	28	808			
	BT 50	10	160	35	810			
	BT 50	12	160	42	812			
	BT 50	14	160	44	814			
	BT 50	16	160	48	816			
	BT 50	18	160	50	818			
	BT 50	20	160	52	820			
	BT 50	25	160	65	825			
	BT 50	32	160	72	832			

Cylindrical Shank Adapter (Whistle Notch)

- ▲ For shanks according to DIN 6535 HE / 1835 E with angled clamping flat
- ▲ The groove in the flat face is a characteristic feature of the Whistle Notch version



AD/B
G 6,3 n_{max} 8000



AD/B
G 6,3 n_{max} 8000



AD/B
G 2,5 n_{max} 18000

	Adapter	DCONWS _{H4}	LPR	BD	Article no. 81 506 ...	Article no. 82 506 ...	Article no. 82 507 ...
		mm	mm	mm			
short	BT 40	6	50	25	140	106	106
	BT 40	8	50	28		108	108
	BT 40	10	63	35		110	110
	BT 40	12	63	42		112	112
	BT 40	14	63	44		114	114
	BT 40	16	63	48		116	116
	BT 40	18	63	50		118	118
	BT 40	20	63	52		120	120
	BT 40	25	100	65		125	
	BT 40	32	100	72		132	
	BT 40	40	120	80			
	BT 50	6	63	25		306	
	BT 50	8	63	28		308	
	BT 50	10	80	35		310	
	BT 50	12	80	42		312	
	BT 50	14	80	44		314	
	BT 50	16	80	48		316	
	BT 50	18	80	50		318	
	BT 50	20	80	52		320	
	BT 50	25	100	65		325	
	BT 50	32	105	72		332	
medium length	BT 40	6	130	25		206	206
	BT 40	8	130	28		208	208
	BT 40	10	130	35		210	210
	BT 40	12	130	42		212	212
	BT 40	16	130	48		216	216
	BT 40	20	130	52		220	220
	BT 40	25	130	65		225	225
	BT 50	6	130	25		406	
	BT 50	8	130	28		408	
	BT 50	10	130	35		410	
	BT 50	12	130	42		412	
	BT 50	16	130	48		416	
	BT 50	20	130	52		420	
	BT 50	25	130	65		425	
	BT 50	32	130	72		432	

Spare parts cylindrical shank adapters (Whistle Notch)

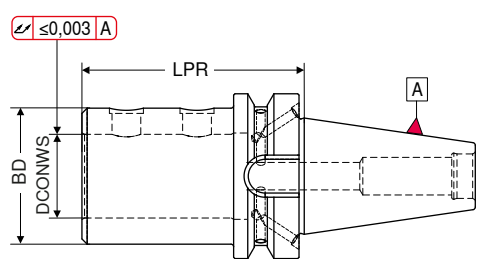
Spare parts DCONWS _{H4}	 Grubscrew		 Stop screw IK		 Stop screw IK	
	Article no. 62 950 ...		Article no. 81 950 ...		Article no. 83 950 ...	
6	M6x10	006			M5x35	033
8	M8x10	008			M6x35	034
10	M10x12	010			M8x35	035
12 - 14	M12x16	012			M10x35	036
16 - 18	M14x16	016			M12x40	037
20	M16x16	020			M16x45	272
25	M18x2x20	025			M20x35	290
32	M20x2x20	032			M20x35	290
40	M20x2x20	032	M22x1,5x15	057		

i Stop screw 81 950 ... only use for Article 81 506 ...!

Accessories

			
Pull studs		Others	
→ 91-92		→ 17 34	

Indexable insert drill adapter JIS B 6339 MAS-BT



AD/B
G 6,3 n_{max} 15000

Adapter	DCONWS	LPR	BD	Article no.
	mm	mm	mm	10 841 ...
BT 40	20	75	40	120
BT 40	25	80	45	125
BT 40	32	85	52	132
BT 50	20	85	40	220
BT 50	25	90	45	225
BT 50	32	95	52	232
BT 50	40	105	65	240
BT 50	50	113	75	250

i Suitable eccentric sleeves can be found in → **Chapter 3, Indexable insert drilling.**



Grubscrew

Spare parts	Article no.
DCONWS	10 950 ...
20	M10x1x10 001
25 - 32	M12x1x10 002
40 - 50	M16x1x12 003

Accessories



Pull studs
→ 91–92

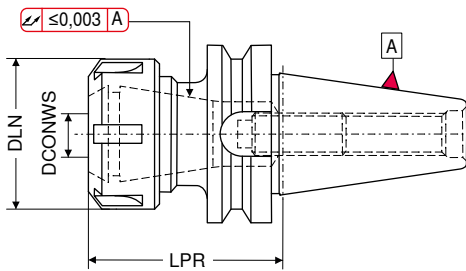


Others
→ 17|34

ER-Collet chuck

Scope of supply:

Holder with lock nut and adjustable back stop



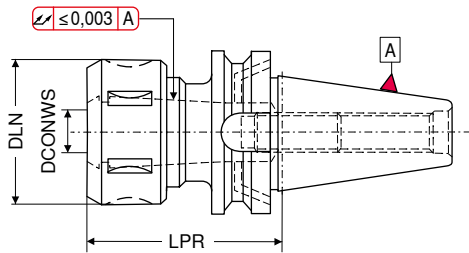
	Adapter	DCONWS mm	LPR mm	DLN mm	TQX Nm	for collet	AD G 6,3 n _{max} 12000	AD/B G 6,3 n _{max} 12000	AD G 6,3 n _{max} 8000	AD/B G 6,3 n _{max} 8000	AD/B G 2,5 n _{max} 18000
							Article no. 81 508 ...	Article no. 81 508 ...	Article no. 82 508 ...	Article no. 82 508 ...	Article no. 82 509 ...
short	BT 30	1 - 10	70	28	8 - 56	426E (ER16)	010				
	BT 30	1 - 16	70	42	24 - 104	430E (ER25)	016				
	BT 30	2 - 20	70	50	24 - 136	470E (ER32)	020				
	BT 40	1 - 10	60	32	8 - 56	426E (ER16)				110	110
	BT 40	1 - 16	70	42	24 - 104	430E (ER25)				116	116
	BT 40	2 - 20	70	50	24 - 136	470E (ER32)				120	120
	BT 40	3 - 26	70	63	176	472E (ER40)				126	126
	BT 50	1 - 10	75	32	8 - 56	426E (ER16)			910		
	BT 50	1 - 16	75	42	24 - 104	430E (ER25)			916		
	BT 50	2 - 20	75	50	24 - 136	470E (ER32)			220		
	BT 50	4 - 26	75	63	176	472E (ER40)			226		
long	BT 30	1 - 10	100	28	8 - 56	426E (ER16)	210				
	BT 30	1 - 16	100	42	24 - 104	430E (ER25)	216				
	BT 40	1 - 10	120	32	8 - 56	426E (ER16)				410	410
	BT 40	1 - 16	120	42	24 - 104	430E (ER25)				416	416
	BT 40	2 - 20	120	50	24 - 136	470E (ER32)				420	420
	BT 40	3 - 26	100	63	176	472E (ER40)		426			
	BT 50	1 - 10	100	32	8 - 56	426E (ER16)			510		
	BT 50	1 - 16	100	42	24 - 104	430E (ER25)			516		
	BT 50	2 - 20	100	50	24 - 136	470E (ER32)			520		
	BT 50	3 - 26	100	63	176	472E (ER40)			526		
extra-long	BT 40	1 - 10	160	28	8 - 56	426E (ER16)		510			
	BT 40	1 - 16	160	42	24 - 104	430E (ER25)		516			
	BT 40	2 - 20	160	50	24 - 136	470E (ER32)		520			
	BT 40	3 - 26	160	63	176	472E (ER40)		526			
	BT 50	1 - 16	160	42	24 - 104	430E (ER25)			616		
	BT 50	2 - 20	160	50	24 - 136	470E (ER32)			620		

Spare parts	for collet	Lock nut	Lock nut IK	Lock nut	Y clamping key	Stop screw IK	Stop screw IK
		Article no. 62 950 ...	Article no. 83 950 ...	Article no. 62 950 ...	Article no. 83 357 ...	Article no. 81 950 ...	Article no. 83 950 ...
	426E (ER16) / BT30-BT50	044		054	116	053	
	430E (ER25) / BT30		055	055	125	054	
	430E (ER25) / BT40, BT50		055	055	125	055	010
	470E (ER32) / BT30		056	056	132	053	
	470E (ER32) / BT40, BT50		056	056	132	057	010
	472E (ER40) / BT30-BT50		057	057	140	057	011

i Backstop screw 81 950... and nut 62 950 044 only for use with article 81 508...!

OZ-Collet chuck

▲ Clamping nut with ball bearings



	Adapter	DCONWS mm	LPR mm	DLN mm	TQX Nm	for collet	 AD G 6,3 n _{max} 12000 Article no. 81 512 ...	 AD G 6,3 n _{max} 8000 Article no. 82 505 ...	 AD/B G 6,3 n _{max} 8000 Article no. 82 505 ...	 AD/B G 2,5 n _{max} 18000 Article no. 82 512 ...
short	BT 30	2 - 16	60	43	24 - 104	415E / 421E	025 035			
	BT 30	2 - 25	80	60	24 - 176	459E / 462E				
	BT 40	2 - 16	70	43	80 - 90	415E / 421E				
	BT 40	2 - 25	70	60	90 - 100	459E / 462E				
	BT 50	2 - 25	90	60	90 - 100	459E / 462E				
	BT 50	4 - 32	100	72	110 - 120	460E / 467E				
long	BT 40	2 - 16	120	43	80 - 90	415E / 421E			416 425	416 425
	BT 40	2 - 25	120	60	90 - 100	459E / 462E				
	BT 50	2 - 25	120	60	90 - 100	459E / 462E				
	BT 50	4 - 32	120	72	110 - 120	460E / 467E				
	BT 50	2 - 25	120	60	90 - 100	459E / 462E				
	BT 50	4 - 32	120	72	110 - 120	460E / 467E				

Spare parts	for collet		 Lock nut Article no. 62 950 ...	 Hook clamping key Article no. 83 354 ...		 Stop screw IK Article no. 81 950 ...		 Stop screw IK Article no. 83 950 ...
	415E / 421E		050	116	M16x15	055		
	415E / 421E	M33x1,5					M10x50	010
	459E / 462E	M48x2	051	125			M10x50	010
	459E / 462E			125	M16x15	055		
	460E / 467E	M60x2,5	052	132			M10x50	010

i Spare part 81 950 ... only use for article 81 512 ...!

Accessories

		
OZ Collet	Pull studs	Others
→ 218	→ 91-92	→ 17 34

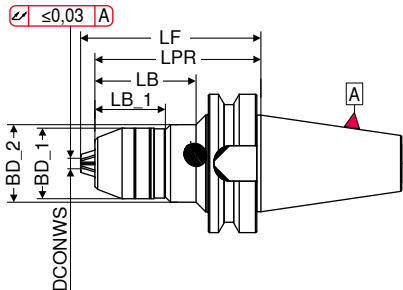
Short drill chuck

- ▲ Independent of direction of rotation
- ▲ Torque Moment = 12 Nm

Scope of supply:

Toolholder including clamping key SW4

NC
2010



A
G 6,3 n_{max} 10000

Article no.
84 509 ...

413



AD
G 6,3 n_{max} 10000

Article no.
84 510 ...

413



AD/B
G 6,3 n_{max} 10000

Article no.
84 511 ...

413

Adapter	DCONWS	BD_1	BD_2	LB_1	LB	LPR	LF
	mm	mm	mm	mm	mm	mm	mm
BT 40	0,5 - 13	48,5		50,9		80	89,0
BT 40	0,5 - 13	48,5		50,9		90	99,0
BT 40	2,5 - 16	51,0		50,9		80	90,5
BT 50	2,5 - 16	51,0	56	50,9	73	120	130,5

Accessories



Pull studs

→ 91-92



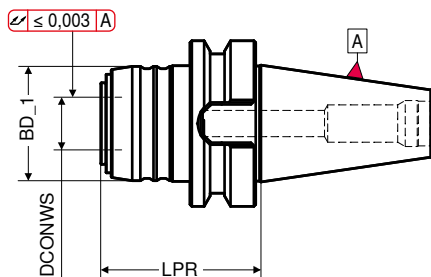
Others

→ 17|34

i Can be used with G 2.5 to 30,000 1/min by subsequent balancing !

Synchro tapping chuck with minimum length compensation

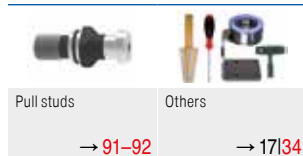
- ▲ For collets according to DIN 6499
- ▲ With length compensation under tension 1,0 mm and under compression 0,2 mm (LZD)
- ▲ $p_{\max} = 50$ bar
- ▲ For synchro use



AD

Adapter	cutting range	SZID	LPR	BD_1	DCONWS	LZD± mm	Article no. 83 515 ...
BT 40	M3 - M12	1	61	43	20	1,0 / 0,2	012
BT 40	M6 - M20	2	82	60	32	1,0 / 0,2	020
BT 50	M3 - M12	1	72	43	20	1,0 / 0,2	112
BT 50	M6 - M20	2	93	60	32	1,0 / 0,2	120

Accessories



Pull studs

Others

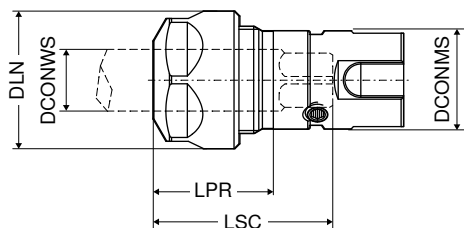
→ 91-92

→ 17|34

Insert for synchro quick change tapping chuck with minimum length compensation

Scope of supply:

Includes lock nut



AD

SZID	DCONWS	cutting range	LPR	DLN	LSC	for collet	DCONMS	Article no. 83 608 ...
	mm		mm	mm	mm		mm	
1	2 - 10	M3 - M12	24	28	42	426E (ER16)	20	012
2	2 - 16	M6 - M20	28	42	59	430E (ER25)	32	020

Spare parts for synchronous tapping chucks

				
	Lock nut	Lock nut IK	Lock nut	Y clamping key
Spare parts	Article no.	Article no.	Article no.	Article no.
for Article no.	62 950 ...	83 950 ...	62 950 ...	83 357 ...
83 608 012	M22x1,5 - SW25	M22x1,5	M32x1,5	
83 608 020	044	054	055	116
		055		125

Accessories

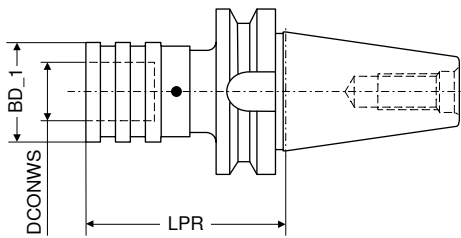


ER collet

→ 212, 214–215

Quick change tap chuck with length compensation

▲ With length compensation under tension and compression (LZD)

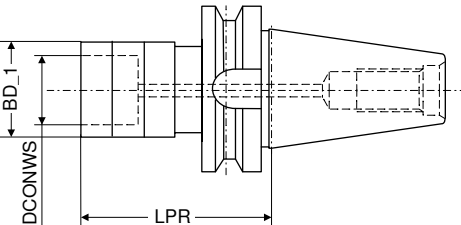


A

Adapter	cutting range	SZID	LPR	BD_1	DCONWS	LZD±	Article no.
			mm	mm	mm	mm	83 528 ...
BT 30	M3 - M12	01	63	38	19	9	312
BT 30	M6 - M20	02	96	55	31	15	320
BT 40	M3 - M12	01	68	38	19	9	412
BT 40	M6 - M20	02	93	55	31	15	420
BT 50	M3 - M12	01	80	38	19	9	512
BT 50	M6 - M20	02	102	55	31	15	520

Quick change tap chuck without length compensation

▲ Without length compensation under tension and compression (LZD)



AD

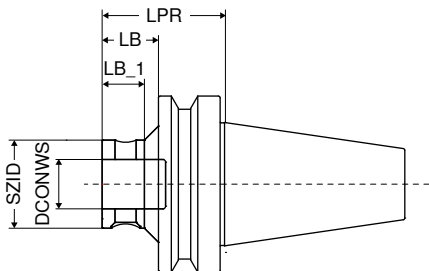
Adapter	cutting range	SZID	LPR	BD_1	DCONWS	Article no.
			mm	mm	mm	83 525 ...
BT 40	M3 - M12	01	67	33	19	412
BT 40	M6 - M20	02	90	50	31	420
BT 50	M3 - M12	01	78	33	19	512
BT 50	M6 - M20	02	101	50	31	520

Accessories

		
Collet	Pull studs	Others
→ 219-223	→ 91-92	→ 17 34

Adapter with ABS Connection

ABS



AD

NEW

Article no.
84 202 ...

Adapter	KOMET no.	SZID	DCONWS	LPR	LB	LB_1	
			mm	mm	mm	mm	
BT 40	A5500150	ABS 50	28	60	33		04097
BT 50	A5500350	ABS 50	28	70	32	24	05097

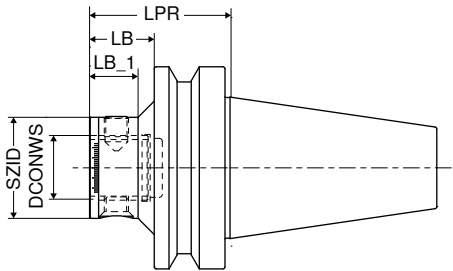
Eccentric adjuster with ABS Connection

▲ Adjustment ± 0.25 mm on diameter

Scope of supply:

Steep taper adapter (Form B) with conversion kit (Form AD) and sealing disc

ABS



AD/B

NEW

Article no.
84 205 ...

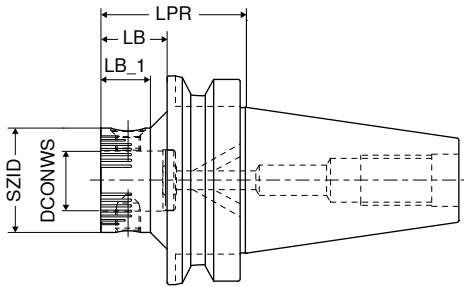
Adapter	KOMET no.	SZID	DCONWS	LPR	LB	LB_1	
			mm	mm	mm	mm	
BT 40	A5556150	ABS 50	28	60	33		04097
BT 50	A5556350	ABS 50	28	70	32	24	05097

Torsional vibration dampers with ABS Connection

Scope of supply:

Steep taper adapter (Form B) with conversion kit (Form AD) and sealing disc

ABS



AD/B

NEW

Article no.
84 208 ...

Adapter	KOMET no.	SZID	DCONWS	LPR	LB	LB_1	
			mm	mm	mm	mm	
BT 40	A5502150	ABS 50	28	60	33		04097
BT 50	A5502350	ABS 50	28	70	32	24	05097

Spare parts SZID

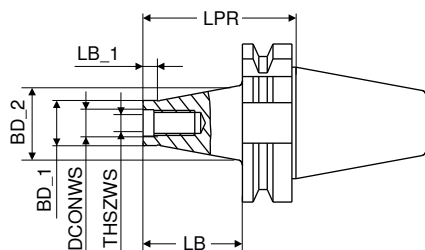
ABS 50

Clamping screw	Taper screw	Set
Article no. 84 950 ...	Article no. 84 950 ...	Article no. 84 950 ...
20300	20400	99800

Accessories

Pull studs	Extension	Others
→ 91-92	→ 17 27	→ 17 34

Adapter for milling cutters with threaded end



AD
G 6,3 n_{max} 18000

Article no.
56 711 ...

Adapter	THSZWS	DCONWS	LB	BD_1	BD_2	LB_1	LPR	
		mm	mm	mm	mm	mm	mm	
BT 40	M8	8,5	25	13,8	15	12	52	081
BT 40	M8	8,5	50	13,8	23	12	77	082
BT 40	M8	8,5	75	13,8	25	12	102	083
BT 40	M10	10,5	25	18,0	23	12	52	101
BT 40	M10	10,5	50	18,0	25	12	77	102
BT 40	M10	10,5	75	18,0	30	12	102	103
BT 40	M12	12,5	25	21,0	24	12	52	121
BT 40	M12	12,5	50	21,0	30	12	77	122
BT 40	M12	12,5	75	21,0	35	12	102	123
BT 40	M12	12,5	100	21,0	38	12	127	124
BT 40	M16	17,0	25	29,0	29	12	52	161
BT 40	M16	17,0	50	29,0	34	12	77	162
BT 40	M16	17,0	75	29,0	35	12	102	163
BT 40	M16	17,0	100	29,0	40	12	127	164

Accessories

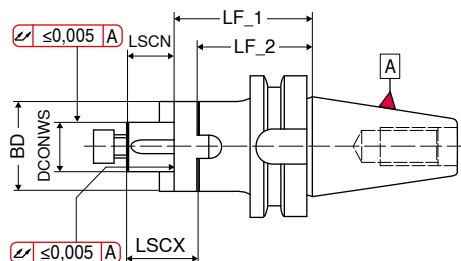
Extension-Reduction set → 17 19	Pull studs → 91-92	Others → 17 34

Combination shell mill adapter

▲ For milling cutters with transverse or longitudinal groove according to DIN 6358

Scope of supply:

Toolholder with retaining screw, driving ring and dowel spring



A
G 6,3 n_{max} 8000



A
G 6,3 n_{max} 8000

	Adapter	DCONWS	LF_1	BD	LSCX	LSCN	LF_2	Article no. 81 516 ...	Article no. 82 516 ...
		mm	mm	mm	mm	mm	mm		
short	BT 30	16	45	32	27	17	35	016 ¹⁾	
	BT 30	22	47	40	31	19	35	022 ¹⁾	
	BT 30	27	49	46	33	21	37	027 ¹⁾	
	BT 40	16	55	32	27	17	45		116
	BT 40	22	55	40	31	19	43		122
	BT 40	27	55	48	33	21	43		127
	BT 40	32	60	58	38	24	46		132
	BT 40	40	60	70	41	27	46		140 ¹⁾
	BT 50	16	70	32	27	17	60		216
	BT 50	22	70	40	31	19	58		222
	BT 50	27	70	48	33	21	58		227
	BT 50	32	70	58	38	24	56		232
	BT 50	40	70	70	41	27	56		240 ¹⁾
	BT 30	16	80	32	27	17	70	916 ¹⁾	
	BT 30	22	80	40	31	19	68	922 ¹⁾	
	BT 30	27	90	48	33	21	78	927 ¹⁾	
long	BT 40	16	100	32	27	17	90	216	
	BT 40	22	100	40	31	19	88	222	
	BT 40	27	100	48	33	21	88	227	
	BT 40	32	100	58	38	24	86	232	
	BT 40	40	100	70	41	27	86	240	

1) With cross screw

Parallel key	Drive ring	Cross nut key	Retaining screw	Clamping screw
Article no. 83 950 ...	Article no. 83 370 ...	Article no. 83 368 ...	Article no. 83 367 ...	Article no. 83 950 ...
16 22 27 32 40	284 285 286 287 288	116 122 127 132 140	116 122 127 132 140	016 022 027 032 040
				113 124 125 126 112

Spare parts DCONWS

16	284	116	116	016	113
22	285	122	122	022	124
27	286	127	127	027	125
32	287	132	132	032	126
40	288	140	140	040	112

Accessories

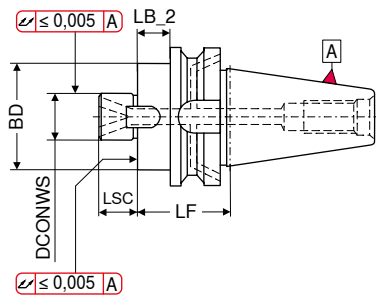
Pull studs	Milling Adapter Rings	Others
→ 91-92	→ 17 28	→ 17 34

Shell mill adapter

▲ With fixed drive dogs and enlarged contact face for milling cutters with transverse groove

Scope of supply:

Toolholder with retaining screw



A
G 6,3 n_{max} 8000



AD
G 6,3 n_{max} 8000



AD/B
G 6,3 n_{max} 8000

	Adapter	DCONWS	LB_2	LF	BD	LSC	Article no. 81 514 ...	Article no. 82 514 ...	Article no. 82 514 ...
		mm	mm	mm	mm	mm			
short	BT 30	16	18	40	38	17	016 ²⁾		
	BT 30	22	18	40	48	19	022 ²⁾		
	BT 30	27	18	40	58	21	027 ²⁾		
	BT 30	32	28	50	78	24	032 ²⁾		
	BT 40	16	25	52	38	17			116
	BT 40	22	25	52	48	19			122
	BT 40	27	25	52	58	21			127
	BT 40	32	23	50	78	24			132
	BT 40	40	23	50	88	27			140 ¹⁾
	BT 50	16	25	63	38	17		316	
	BT 50	22	25	63	48	19		322	
	BT 50	27	25	63	58	21		327	
	BT 50	32	22	60	78	24		332	
	BT 50	40	22	60	88	27		340 ¹⁾	
long	BT 40	16	73	100	38	17			416
	BT 40	22	73	100	48	19			422
	BT 40	27	73	100	58	21			427
	BT 40	32	73	100	78	24			432
	BT 40	40	73	100	88	27			440 ¹⁾
	BT 50	16	62	100	38	17		616	
	BT 50	22	62	100	48	19		622	
	BT 50	27	62	100	58	21		627	
	BT 50	32	62	100	78	24		632	
	BT 50	40	62	100	88	27		640 ¹⁾	
medium length	BT 40	16	103	130	38	17			816
	BT 40	22	103	130	48	19			822
	BT 40	27	103	130	58	21			827
	BT 40	32	103	130	78	24			832
	BT 40	40	103	130	88	27			840 ¹⁾
	BT 50	16	92	130	38	17		916	
	BT 50	22	92	130	48	19		922	
	BT 50	27	92	130	58	21		927	
	BT 50	32	92	130	78	24		932	
	BT 50	40	92	130	88	27		940 ¹⁾	
extra-long	BT 40	16	133	160	38	17			516
	BT 40	22	133	160	48	19			522
	BT 40	27	133	160	58	21			527
	BT 40	32	133	160	78	24			532
	BT 40	40	133	160	88	27			540 ¹⁾
	BT 50	16	122	160	38	17		716	
	BT 50	22	122	160	48	19		722	
	BT 50	27	122	160	58	21		727	
	BT 50	32	122	160	78	24		732	
	BT 50	40	122	160	88	27		740 ¹⁾	

1) With cross screw and 4 holes M12, Pitch Circle diameter = 66.7 mm, coolant outlet on the outer diameter of the spigot (DCONWS)!

2) With cross screw

Spare parts facemill adapters

									
		Driver		Cross nut key		Retaining screw		Clamping screw	
Spare parts DCONWS		Article no. 83 950 ...		Article no. 83 368 ...		Article no. 83 367 ...		Article no. 83 950 ...	
16	8x9x17,5	120	116	M8	016	M8x25	113		
22	10x11x20,5	121	122	M10	022	M10x25	124		
27	12x13x24,3	122	127	M12	027	M12x30	125		
32	14x21x21,2	123	132	M16	032	M16x35	126		
40	15,9x16,3x19,5	295	140	M20	040	M20x40	112		
									
		Drive dogs		Drive screw		Screw for drivers			
DCONWS		Article no. 81 950 ...		Article no. 81 950 ...		Article no. 83 950 ...			
16	8x8x14	001	M3x8	010	M3x8	296			
22	10x10x17	002	M4x8	011	M4x12	297			
27	12x14x20	003	M4x14	012	M5x12	136			
32	14x14x22	004	M5x13	013	M5x20	137			
40					M6x16	138			

i Spare part 81 950 ... only use for article 81 514 ...!

Accessories

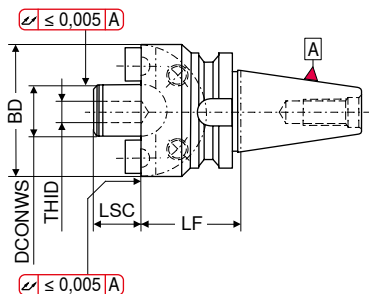
		
Pull studs	Extensions	Others
→ 91-92	→ 17 26	→ 17 34

Large diameter facemill adapter

▲ For milling cutters with keyway or drive slot DIN 6357

Scope of supply:

Holder with integrated drive dogs according to DIN 2079 and 4 fixation screws

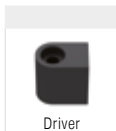


A

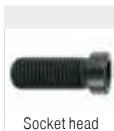
Adapter	DCONWS	LF	BD	LSC	THID	Article no. 82 519 ...
	mm	mm	mm	mm		
BT 50	40	70	89	30	M20	240
BT 50	60	80	129	40	M30	260



Screw for drivers



Driver



Socket head screw

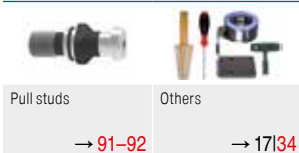


clamping screw

Spare parts

DCONWS	Article no. 83 950 ...	Article no. 83 950 ...	Article no. 70 950 ...	Article no. 83 950 ...
40	M6x16	138	15,9x16,3x19,5	295
60			25,4x16,3x26,5	298
			M12x30	181
			M12x50	140
			M16x45	160

Accessories



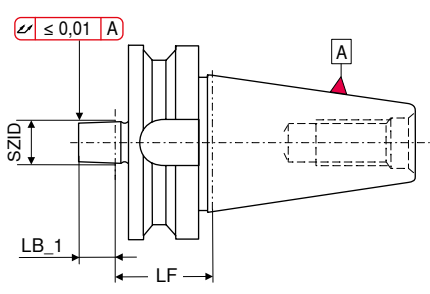
Pull studs

Others

→ 91-92

→ 17|34

Drill chuck adapter



A
G 6,3 n_{max} 8000



A
G 6,3 n_{max} 8000

Adapter	SZID	LF	LB_1	Article no. 81 513 ...	Article no. 82 513 ...
		mm	mm		
BT 30	B12	25	18,5	012	
BT 30	B16	25	24,0	016	
BT 40	B12	40	18,5		112
BT 40	B16	40	24,0		116
BT 40	B18	32	32,0	118	
BT 50	B16	50	24,0		216
BT 50	B18	50	32,0		218

Spare parts SZID

		Article no. 83 636 ...	Article no. 83 636 ...
B12	0 - 8 mm	012	0 - 10 mm
B16	1 - 13 mm	016	3 - 16 mm
B18			3 - 16 mm
			018



Drill chuck



Drill chuck

Accessories

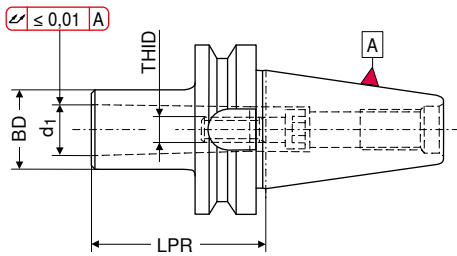
Pull studs
→ 91-92

Others
→ 17|34

Milling sleeve adapters DIN 6364 for DIN 228-2C Morse taper shanks with thread

Scope of supply:

Holder with retaining screw

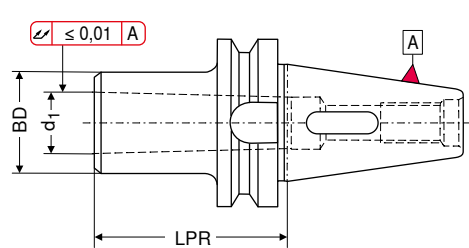
AD
G 6,3 n_{max} 8000AD
G 6,3 n_{max} 8000

	Adapter	d ₁	LPR	BD	THID	Article no. 81 527 ...	Article no. 82 527 ...
			mm	mm			
short	BT 40	MK1	50	25	M6		
	BT 40	MK2	50	32	M10		
	BT 40	MK3	70	40	M12		
	BT 40	MK4	95	48	M16		
	BT 50	MK1	45	25	M6		
	BT 50	MK2	60	32	M10		
	BT 50	MK3	65	40	M12		
	BT 50	MK4	95	48	M16		
	BT 50	MK5	118	63	M20		
						010 020	030 040 210 220 230 240 250

i Disassembly instructions can be found in → **Chapter 17, Accessories.**

Spare parts		Article no. 83 950 ...		Article no. 83 359 ...		Article no. 81 950 ...		Article no. 83 950 ...	
for Article no.									
81 527 010						M16x10	150		
81 527 020						M16x8	151		
82 527 030	M5x6	030	17 x 117	017				M20x1,5x10x13	269
82 527 040	M5x6	030	23 x 145	023				M26x1,5x17	270
82 527 210	M5x8	031	20 x 135	020				M24x10x6,5	266
82 527 220	M5x8	031	20 x 135	020				M24x10x10,5	268
82 527 230	M5x8	031	17 x 117	017				M20x1,5x10x13	269
82 527 240	M5x8	031	23 x 145	023				M26x1,5x17	270
82 527 250	M5x8	031	33 x 175	033				M36x1,5x21	271
Spare parts		Article no. 83 950 ...		Article no. 81 950 ...		Article no. 81 950 ...		Article no. 81 950 ...	
for Article no.									
81 527 010						M6x39	140	M5x6	033
81 527 020						M10x30	141	M5x6	033
82 527 030		M12x35		018					
82 527 040		M16x40		019					
82 527 210		M6x30		260					
82 527 220		M10x30		017					
82 527 230		M12x35		018					
82 527 240		M16x40		019					
82 527 250		M20x50		262					

Taper sleeve adapter DIN6383 for DIN 228-2D Morse taper shanks



AD
G 6,3 n_{max} 8000



AD
G 6,3 n_{max} 8000

Adapter	d ₁	LPR	BD	Article no. 81 525 ...	Article no. 82 525 ...
		mm	mm		
BT 30	MK1	45	25	010	
BT 30	MK2	60	32	020	
BT 30	MK3	75	40	030	
BT 40	MK1	50	25		110
BT 40	MK2	50	32		120
BT 40	MK3	70	40		130
BT 40	MK4	95	48		140
BT 50	MK1	45	25		210
BT 50	MK2	60	32		220
BT 50	MK3	65	40		230
BT 50	MK4	95	48		240
BT 50	MK5	105	63		250

Accessories

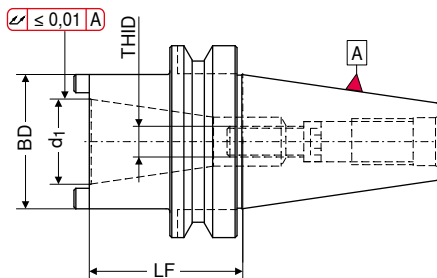
		
Morse taper adapter sleeve → 17 4	Pull studs → 91-92	Others → 17 34

Milling adapter sleeve

- ▲ For mounting tool holders according to DIN 2080
- ▲ With an extended retaining screw also tool holders according to DIN 69871, MAS-BT and ANSI-CAT can be clamped

Scope of supply:

Holder with clamping screw for DIN 2080 adapters



A



A

Adapter	d ₁	LF	BD	THID	Article no. 81 518 ...	Article no. 82 518 ...
		mm	mm			
BT 40	SK 30	60	51	M12	106	
BT 40	SK 40	100	63	M16	110	
BT 50	SK 40	80	70	M16		250

Spare parts

for Article no.

	Article no. 83 950 ...	Article no. 81 950 ...	Article no. 81 950 ...	Article no. 83 359 ...	Article no. 81 950 ...
81 518 106		160	033	017	170
81 518 110		161	033	023	171
82 518 250	009				

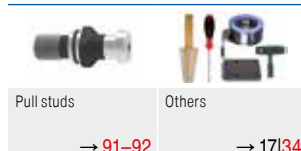


Required screw length when retracting of DIN 69871, MAS-BT or DIN 2080 shanks

MAS-BT	Taper Shank	Clamping screw length	Clamping screw length
Suitable for article no.:	Ø d ₁	DIN 69871, MAS-BT THID	DIN 2080 THID
81 518 106	SK 30 – BT 30	M12x55	M12x35 – 81 950 160
81 518 110	SK 40 – BT 40	M16x60	M16x35 – 81 950 161
82 518 250	SK 50 – BT 50	M16x70 – 83 950 256	M16x40 – 83 950 009

i Spare part 81 950 ... only use for article 81 518 ...!

Accessories



Pull studs

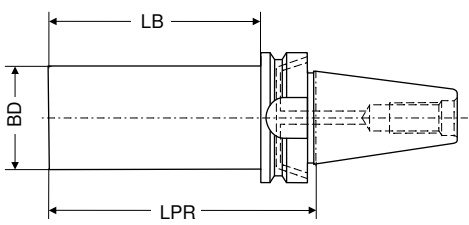
Others

→ 91-92

→ 17|34

Blank

- ▲ Material: Steel 17CrNiMo5
- ▲ For production of special tools
- ▲ Diameter BD turned with 0.5 mm oversize
- ▲ Taper hardened and ground
- ▲ Special tool area in soft state



AD/B



A

Adapter	BD	LPR	LB
	mm	mm	mm
BT 40	63,0	250	223
BT 50	63,5	300	262

Article no.
82 523 ...

Article no.
82 523 ...

040

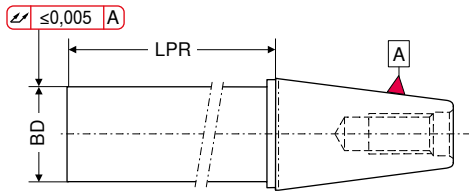
050

Test bar

- ▲ Without clamping slots
- ▲ MAS BT 40 special pull stud with LF = 32 mm

Scope of supply:

In wooden box



Adapter	BD	LPR
	mm	mm
SK / BT 40	40	330
SK / BT 50	50	330

Article no.
82 456 ...

040

050

Accessories



Pull studs
→ 49, 91–92



Others
→ 17|34

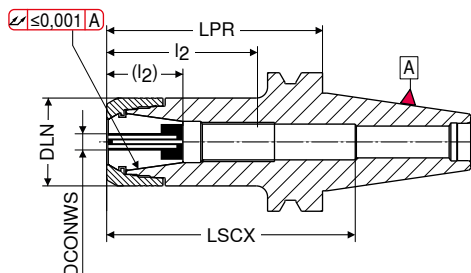
ER Precision Collet chuck – BT-FC

- ▲ With face contact
- ▲ For standard or sealed nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ For clamping a roll key is required
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P

AD
G 2,5 $n_{\max}$ 25000

Adapter	DCONWS	LPR	DLN	LSCX	l_2 (l_2)	for collet	Article no. 84 525 ...
	mm	mm	mm	mm	mm		
BT-FC 30	1 - 10	75	30	97	28 - 45 (14 - 31)	426E (ER16)	002
BT-FC 30	2 - 16	75	40	72	38 - 56 (23 - 39)	430E (ER25)	012
BT-FC 30	2 - 20	75	50	84	42 - 62 (24 - 45)	470E (ER32)	022
BT-FC 40	1 - 10	75	30	90	38 - 53 (29 - 39)	426E (ER16)	102
BT-FC 40	2 - 16	75	40	100	42 - 59 (36 - 41)	430E (ER25)	112
BT-FC 40	2 - 20	75	50	100	42 - 76 (42 - 52)	470E (ER32)	122

- i** LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for Article no.

	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
84 525 002	011	001	M11x1 - SW6	337
84 525 012	013	003	M18x1,5 - SW6	431
84 525 022	015	005	M22x1,5 - SW6	401
84 525 102	011	001	M11x1 - SW6	337
84 525 112	013	003	M18x1,5 - SW6	431
84 525 122	015	005	M22x1,5 - SW6	401

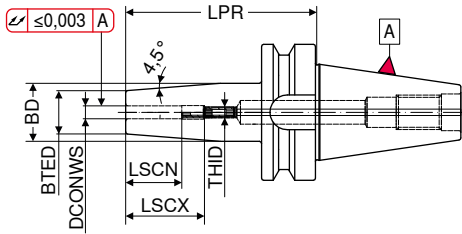
Accessories

ER collet	Sealing ring	Roll key	Roll key device	Pull studs	Others
→ 206, 208–211, 213	→ 207	→ 17 36	→ 17 36	→ 91–92	→ 17 34

Shrink fit adapters 4.5° – BT-FC

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG

AD
G 2,5 n_{max} 25000AD/B
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID	Article no. 84 325 ...	Article no. 84 325 ...
		mm	mm	mm	mm	mm	mm			
short	BT-FC 30	3	85	10	17	28	12	M6	003	
	BT-FC 30	4	85	15	22	28	16	M6	004	
	BT-FC 30	5	85	15	22	30	20	M6	005	
	BT-FC 30	6	85	21	27	36	26	M5	006	
	BT-FC 30	8	85	21	27	36	26	M6	008	
	BT-FC 30	10	85	24	32	41	31	M8x1	010	
	BT-FC 30	12	85	24	32	47	37	M10x1	012	
	BT-FC 30	16	85	27	34	50	40	M12x1	016	
	BT-FC 30	20	85	33	42	52	42	M16x1	020	
	BT-FC 40	3	90	10	17	28	12	M6		103
	BT-FC 40	4	90	15	22	28	16	M6		104
	BT-FC 40	5	90	15	22	30	20	M6		105
	BT-FC 40	6	90	21	27	36	26	M5		106
	BT-FC 40	8	90	21	27	36	26	M6		108
	BT-FC 40	10	90	24	32	41	31	M8x1		110
	BT-FC 40	12	90	24	32	47	37	M10x1		112
	BT-FC 40	16	90	27	34	50	40	M12x1		116
	BT-FC 40	20	90	33	42	52	42	M16x1		120
	BT-FC 40	25	100	44	53	58	48	M16x1		125

Spare parts
DCONWS

3 - 5	M6x14 - SW2	417		
6			M5x12,5 - SW2,5	418
8			M6x12,5 - SW3	419
10			M8x1x13,5 - SW3	420
12			M10x1x13,5 - SW5	421
16			M12x1x13,5 - SW5	422
20 - 25			M16x1x13,5 - SW8	424

Accessories

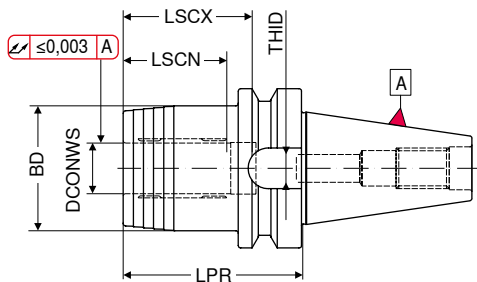
Shrink fit extension	Pull studs	Others
→ 17 10	→ 91-92	→ 17 34

High pressure chuck, short and stable version – BT-FC

- ▲ With face contact
- ▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw

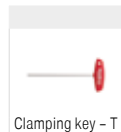


AD
G 2,5 n_{max} 25000

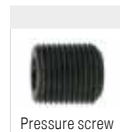
Article no.
83 527 ...

Adapter	DCONWS	LPR	BD	LSCX	LSCN	THID	
	mm	mm	mm	mm	mm		
BT-FC 40	20	72,5	49	51	40	M16x1x13,5	120

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth



Clamping key – T



Pressure screw



Stop screw IK

Spare parts

for Article no.
83 527 120

	Article no. 80 397 ...	Article no. 83 950 ...	Article no. 83 950 ...
SW5	050	158	420
	M10x1x10	M8x1x13,5 - SW3	

Accessories

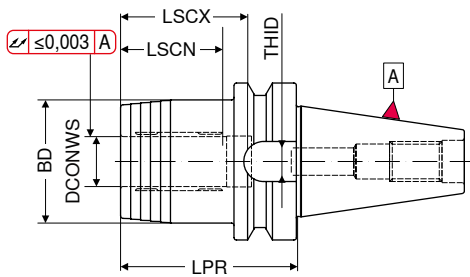
Reduction sleeve	Pull studs	Others
→ 17 32	→ 91-92	→ 17 34

Hydraulic chuck MAS BT, short and stable version – BT-FC

- ▲ With face contact
- ▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

Article no.
84 518 ...

Adapter	DCONWS	LPR	BD	LSCX	LSCN	THID	
	mm	mm	mm	mm	mm		
BT-FC 40	20	72,5	49,5	51	41	M16x1	120
BT-FC 50	32	90,0	72,0	61	51	M16x1	332

Spare parts DCONWS

20 - 32



Pressure screw

Article no.
83 950 ...

M10x1x12 440



Stop screw IK

Article no.
83 950 ...

M16x1x13,5 - SW8 424

Accessories



Reduction sleeve

→ 17|32



Pull studs

→ 91-92



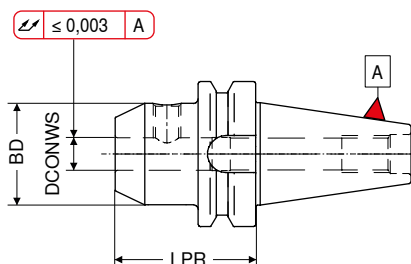
Others

→ 17|34

Cylindrical shank adapter (Weldon) – BT-FC

▲ With face contact

▲ For shanks according to DIN 6535 / 1835 B with lateral clamping flat

AD
G 2,5 n_{max} 25000Article no.
84 552 ...

	Adapter	DCONWS _{H4}	LPR	BD	
		mm	mm	mm	
short	BT-FC 30	6	50	25	006
	BT-FC 30	8	50	28	008
	BT-FC 30	10	50	35	010
	BT-FC 30	12	50	42	012
	BT-FC 30	16	63	48	016
	BT-FC 30	20	63	52	020
	BT-FC 40	6	50	25	106
	BT-FC 40	8	50	28	108
	BT-FC 40	10	63	35	110
	BT-FC 40	12	63	42	112
	BT-FC 40	16	63	48	116
	BT-FC 40	20	63	52	120
	BT-FC 40	25	90	65	125
	BT-FC 40	32	100	72	132
	BT-FC 50	6	63	25	306
	BT-FC 50	8	63	28	308
	BT-FC 50	10	63	35	310
	BT-FC 50	12	80	42	312
	BT-FC 50	16	80	48	316
	BT-FC 50	20	80	52	320
	BT-FC 50	25	100	65	325
	BT-FC 50	32	105	72	332



Grubscrew

Spare parts

DCONWS_{H4}Article no.
62 950 ...

6	M6x10	006
8	M8x10	008
10	M10x12	010
12	M12x16	012
16	M14x16	016
20	M16x16	020
25	M18x2x20	025
32	M20x2x20	032

Accessories



Pull studs

→ 91–92



Others

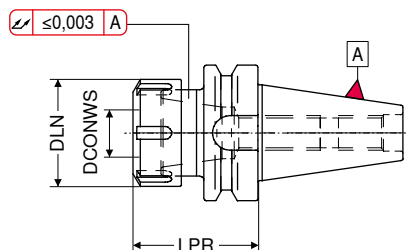
→ 17|34

ER Collet chuck – BT-FC

▲ With face contact

Scope of supply:

Toolholder including nut

AD
G 2,5 n_{max} 20000

	Adapter	DCONWS	LPR	DLN	TQX	for collet	Article no. 84 557 ...
		mm	mm	mm	Nm		
short	BT-FC 30	1 - 10	63	28	56	426E (ER16)	010
	BT-FC 30	1 - 16	60	42	104	430E (ER25)	016
	BT-FC 30	2 - 20	60	50	136	470E (ER32)	020
	BT-FC 40	1 - 10	63	28	56	426E (ER16)	110
	BT-FC 40	1 - 16	60	42	104	430E (ER25)	116
	BT-FC 40	2 - 20	60	50	136	470E (ER32)	120
	BT-FC 50	1 - 16	70	42	104	430E (ER25)	316
	BT-FC 50	2 - 20	70	50	136	470E (ER32)	320
long	BT-FC 50	1 - 10	100	28	56	426E (ER16)	310

Spare parts

for collet

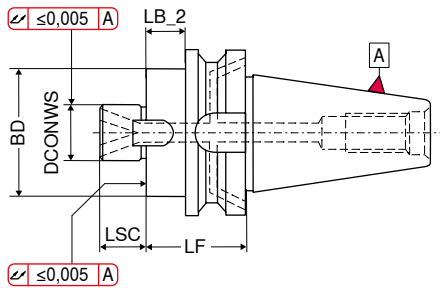
426E (ER16) / BT30-BT50	M22x1,5 - SW25	044				M12x15	054	
430E (ER25) / BT30-BT50			M32x1,5	055		125	M16x15	055
470E (ER32) / BT30-BT50			M40x1,5	056		132	M16x15	055

Accessories

ER collet	Pull studs	Others
→ 214	→ 91-92	→ 17/34

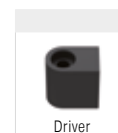
Shell mill adapter – BT-FC

- ▲ With face contact
- ▲ With fixed drive dogs and enlarged contact face for milling cutters with transverse slot



AD
G 6,3 n_{max} 15000

	Adapter	DCONWS	LB_2	LF	BD	LSC	Article no. 84 562 ...
		mm	mm	mm	mm	mm	
short	BT-FC 30	16	18	40	40	17	016
	BT-FC 30	22	18	40	50	19	022
	BT-FC 30	27	18	40	60	21	027
	BT-FC 30	32	28	50	80	24	032
	BT-FC 40	16	8	35	40	17	116
	BT-FC 40	22	8	35	50	19	122
	BT-FC 40	27	8	35	60	21	127
	BT-FC 40	32	23	50	80	24	132
	BT-FC 40	40	23	50	89	27	140
	BT-FC 50	22	12	50	50	19	322
	BT-FC 50	27	12	50	60	21	327
	BT-FC 50	32	12	50	80	24	332
	BT-FC 50	40	17	55	89	27	340

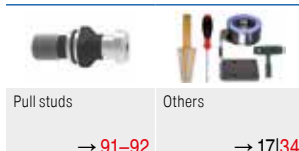


Spare parts

for Article no.

	Article no. 84 950 ...		Article no. 84 950 ...		Article no. 83 950 ...	
84 562 016	M3x12	162	8x9x11	157	M8x25	113
84 562 022	M4x10	163	10x11,2x13	158	M10x25	124
84 562 027	M4x16	164	12x12,6x15	159	M12x30	125
84 562 032	M5x16	165	14x14x22,5	160	M16x35	126
84 562 116	M3x12	162	8x9x11	157	M8x25	113
84 562 122	M4x10	163	10x11,2x13	158	M10x25	124
84 562 127	M4x16	164	12x12,6x15	159	M12x30	125
84 562 132	M5x16	165	14x14x22,5	160	M16x35	126
84 562 140	M5x16	166	16x16x23	161	M20x40	112
84 562 322	M4x10	163	12x12,6x15	159	M10x25	124
84 562 327	M4x16	164	12x12,6x15	159	M12x30	125
84 562 332	M5x16	165	14x14x22,5	160	M16x35	126
84 562 340	M5x16	166	16x16x23	161	M20x40	112

Accessories

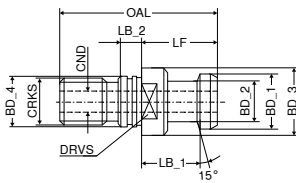


Pull stud for tool holders according to JIS B 6339

▲ MAS-BT 15° Form A

Scope of supply:

Including O-Ring



Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm
BT 40	19	14	23	17	M16	54	29	23	5	5	19	90

Article no.
83 532 ...

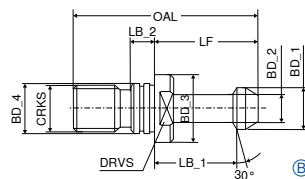
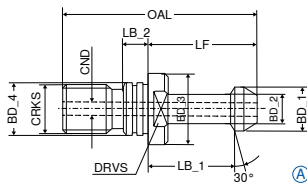
040

Pull stud for tool holders according to JIS B 6339

▲ MAS-BT 30° Form A and B

Scope of supply:

Including O-Ring



Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX	form
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm	
BT 30	11	7	16,5	12,5	M12	43	23	18	4,0	2,2	13	60	A
BT 40	15	10	23,0	17,0	M16	60	35	28	5,5	4,0	19	90	A
BT 50	23	17	38,0	25,0	M24	85	45	35	8,0	6,0	30	145	A
BT 30	11	7	16,5	12,5	M12	43	23	18	4,0		13	60	B
BT 40	15	10	23,0	17,0	M16	60	35	28	5,5		19	90	B
BT 50	23	17	38,0	25,0	M24	85	45	35	8,0		30	145	B

Article no.
82 533 ...

Article no.
82 531 ...

030

040

050

030

040

050

Spare parts BD_4

17	BT / SK 40	040
25	BT / SK 50	050



O-Ring

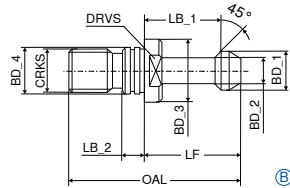
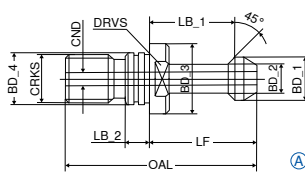
Article no.
83 476 ...

Pull stud for tool holders according to JIS B 6339

▲ MAS-BT 45° Form A and B

Scope of supply:

Including O-Ring



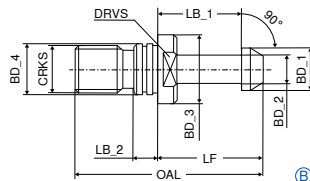
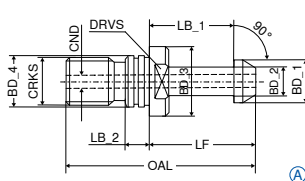
Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX	form	Article no. 82 530 ...	Article no. 82 534 ...
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm			
BT 30	11	7	16,5	12,5	M12	43	23	18	4,0	2,2	13	60	A		030
BT 40	15	10	23,0	17,0	M16	60	35	28	5,5	4,0	19	90	A		040
BT 50	23	17	38,0	25,0	M24	85	45	35	8,0	6,0	30	145	A		050
BT 30	11	7	16,5	12,5	M12	43	23	18	4,0		13	60	B	030	
BT 40	15	10	23,0	17,0	M16	60	35	28	5,5		19	90	B	040	
BT 50	23	17	38,0	25,0	M24	85	45	35	8,0		30	145	B	050	

Pull stud for tool holders according to JIS B 6339

▲ MAS-BT 90° Form A and B

Scope of supply:

Including O-Ring



Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX	form	Article no. 82 536 ...	Article no. 82 537 ...
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm			
BT 40	15	10	23	17	M16	60	35	28	5,5	4	19	90	A		040
BT 50	23	17	38	25	M24	85	45	35	8,0	6	30	145	A		050
BT 40	15	10	23	17	M16	60	35	28	5,5		19	90	B	040	
BT 50	23	17	38	25	M24	85	45	35	8,0		30	145	B	050	

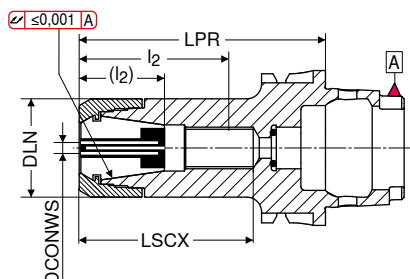
ER Precision Collet chuck

- ▲ For standard or sealed nuts
- ▲ Maximum size collet to ISO tolerance field H10
- ▲ For clamping a roll key is required
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P



AD
G 2,5 $n_{\max}$ 25000

Adapter	DCONWS	LPR	DLN	LSCX	l_2 (l_2) mm	for collet	Article no. 84 722 ...
	mm	mm	mm	mm			
HSK-A 40	1 - 10	60	30	40	32 - 54	426E (ER16)	401
HSK-A 40	2 - 16	60	40	40		430E (ER25)	404
HSK-A 40	2 - 20	61	50	45		470E (ER32)	407
HSK-A 50	2 - 16	60	40	37		430E (ER25)	504
HSK-A 50	2 - 16	70	40	49	34 - 35	430E (ER25)	505
HSK-A 50	2 - 20	70	50	47		470E (ER32)	507
HSK-A 63	1 - 10	55	30	32		426E (ER16)	609
HSK-A 63	1 - 10	100	30	71	28 - 45 (16 - 31)	426E (ER16)	610
HSK-A 63	1 - 10	130	30	87	26 - 50 (17 - 38)	426E (ER16)	613
HSK-A 63	1 - 10	160	30	106	28 - 45 (16 - 31)	426E (ER16)	611
HSK-A 63	1 - 10	200	30	136	28 - 45 (16 - 31)	426E (ER16)	612
HSK-A 63	2 - 16	60	40	37		430E (ER25)	615
HSK-A 63	2 - 16	100	40	70	35 - 55 (24 - 37)	430E (ER25)	616
HSK-A 63	2 - 16	130	40	89	37 - 60 (12 - 42)	430E (ER25)	619
HSK-A 63	2 - 16	160	40	128	35 - 60 (24 - 42)	430E (ER25)	617
HSK-A 63	2 - 16	200	40	148	35 - 60 (24 - 42)	430E (ER25)	618
HSK-A 63	2 - 20	70	50	46		470E (ER32)	620
HSK-A 63	2 - 20	100	50	71	41 - 57 (26 - 39)	470E (ER32)	621
HSK-A 63	2 - 20	130	50	101	42 - 69 (18 - 41)	470E (ER32)	625
HSK-A 63	2 - 20	160	50	129	52 - 70 (26 - 60)	470E (ER32)	622
HSK-A 63	3 - 26	80	63	56		472E (ER40)	626 ¹⁾
HSK-A 100	1 - 10	100	30	70	28 - 48 (16 - 35)	426E (ER16)	110
HSK-A 100	1 - 10	160	30	130	28 - 48 (16 - 35)	426E (ER16)	111
HSK-A 100	2 - 16	100	40	71	38 - 56 (20 - 40)	430E (ER25)	116
HSK-A 100	2 - 16	160	40	105	38 - 68 (20 - 50)	430E (ER25)	117
HSK-A 100	2 - 20	100	50	70	42 - 59 (24 - 40)	470E (ER32)	121
HSK-A 100	2 - 20	160	50	99	42 - 70 (24 - 52)	470E (ER32)	122
HSK-A 100	3 - 26	100	63	65		472E (ER40)	126

1) Non standard groove before tool change collar not according to DIN, not suitable for automatic tool change

→ Transmittable torque moments, Page 233

- i** LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts, ER precision collet chuck

Spare parts

for collet

	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
426E (ER16)	011	001	M11x1 - SW6	341
430E (ER25)	013	003	M18x1,5 - SW6	432
470E (ER32)	015	005	M22x1,5 - SW6	402
472E (ER40)	017	007	M28x1,5 - SW6	337
				431
				401
				400

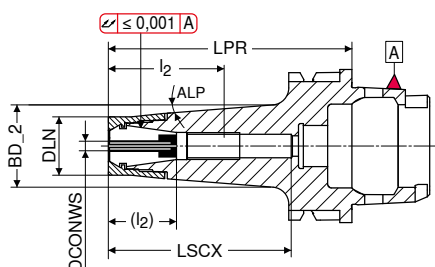
ER Precision tapered collet chuck

- ▲ For special tapered nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P

AD
G 2,5 $n_{\max}$ 25000

Adapter	DCONWS	LPR	DLN	BD_2	LSCX	l_2 (l_2)	ALP	for collet	Article no. 84 721 ...
	mm	mm	mm	mm	mm	mm			
HSK-A 40	1 - 7	100	16	25.3	65	15 - 34 (8 - 25)	4.5°	4008E (ER11)	307
HSK-A 40	1 - 10	60	24	28.0	43	26 - 30	2.0°	426E (ER16)	210
HSK-A 40	1 - 10	100	24	30.8	67	26 - 47 (12 - 32)	2.0°	426E (ER16)	310
HSK-A 50	1 - 7	100	16	24.0	65	15 - 34 (8 - 25)	4.5°	4008E (ER11)	507
HSK-A 50	1 - 10	65	24	28.9	44	26 - 32	4.5°	426E (ER16)	710
HSK-A 50	1 - 10	100	24	34.4	77	26 - 47 (12 - 32)	4.5°	426E (ER16)	810
HSK-A 50	1 - 10	130	24	39.4	102	26 - 47 (12 - 32)	4.5°	426E (ER16)	910
HSK-A 63	1 - 10	100	24	33.8	74	28 - 48 (20 - 35)	4.5°	426E (ER16)	610
HSK-A 63	1 - 10	160	24	36.0	106	28 - 48 (20 - 35)	2.5°	426E (ER16)	611
HSK-A 63	2 - 20	75	50		51		4.0°	470E (ER32)	632

→ Transmittable torque moments, Page 233



LSCX = Clamping depth without back stop screw for shanks

 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2

Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet

	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
4008E (ER11)	033	031	015	005	041	340	336
426E (ER16)						341	337
470E (ER32)						402	401

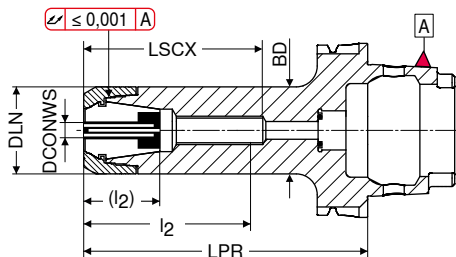
ER Precision collet chuck, slim version

- ▲ For Mini Clamping Nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P

AD
G 2,5 $n_{\max}$ 25000

Adapter	DCONWS	LPR	BD	DLN	LSCX	l_2 (l_2)	for collet	Article no. 84 719 ...
	mm	mm	mm	mm	mm	mm		
HSK-A 32	1 - 7	40	16	16	24		4008E (ER11)	107
HSK-A 32	1 - 10	50	22	22	32		426E (ER16)	110
HSK-A 40	1 - 7	60	16	16	40	16 - 24	4008E (ER11)	207
HSK-A 50	1 - 7	130	16	16	60	15 - 32 (7 - 22)	4008E (ER11)	407
HSK-A 63	1 - 7	70	16	16	48	15 - 32 (7 - 22)	4008E (ER11)	507
HSK-A 63	1 - 7	100	16	16	68	18 - 36 (12 - 26)	4008E (ER11)	607
HSK-A 63	1 - 7	130	16	16	108	15 - 32 (7 - 22)	4008E (ER11)	707
HSK-A 63	1 - 7	160	16	16	68	18 - 36 (12 - 26)	4008E (ER11)	608
HSK-A 63	1 - 10	70	22	22	46	27 - 34 (14 - 20)	426E (ER16)	610
HSK-A 63	1 - 10	100	22	22	62	27 - 44 (14 - 30)	426E (ER16)	710
HSK-A 63	1 - 10	130	22	22	87	27 - 52 (14 - 38)	426E (ER16)	810
HSK-A 63	1 - 10	160	22	22	97	27 - 52 (14 - 38)	426E (ER16)	910

→ Transmittable torque moments, page 233

- 1** LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

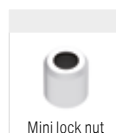
Spare parts

for collet

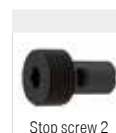
4008E (ER11)	Article no. 84 950 ...	041	M8x1 - SW4	340	M8x1 - SW4	336
426E (ER16)	035	034	M11x1 - SW6	341	M11x1 - SW6	337



Mini lock nut IK



Mini lock nut



Stop screw 2



Stop screw 1

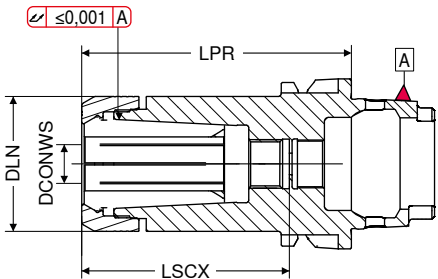
Accessories

ER collet	Sealing ring	Device	Roll key	Roll key device	Coolant transfer pipe	Others
→ 208-211, 213	→ 207	→ 17 35	→ 17 36	→ 17 36	→ 138	→ 17 34

OZ Precision Collet Chuck

- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{max} = 80$ bar

Scope of supply:
Holder **without** nut, **without** backstop



AD
G 2,5 n_{max} 25000

Article no.
84 724 ...

626

126

Adapter	DCONWS	LPR	DLN	LSCX	for collet
	mm	mm	mm	mm	
HSK-A 63	2 - 25	85	50	60	462E
HSK-A 100	2 - 25	90	50	60	462E

→ Transmittable torque moments, Page 233

i LSCX = Clamping depth without back stop screw
Dimension LPR is 4mm longer when using seals



Lock nut IK

Article no.
84 950 ...

020

Spare parts

for collet
462E

Accessories

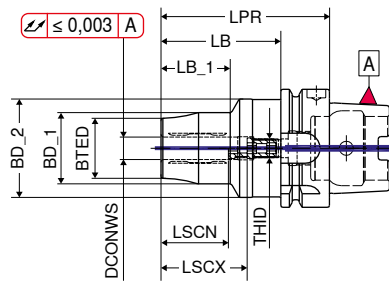
OZ Collet	Sealing ring	Roll key	Roll key device	Coolant transfer pipe	Others
→ 217	→ 217	→ 17 36	→ 17 36	→ 138	→ 17 34

High pressure chuck, short version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BTED	BD_1	BD_2	LB_1	LSCX	LSCN	LB	THID	Article no. 83 706 ...
		mm	mm	mm	mm	mm	mm	mm	mm	mm		
short	HSK-A 63	16	95	36	42	52,5	42	49	39	69	M12x1	616
	HSK-A 63	20	100	42	48	52,5	45	51	41	74	M16x1	620
	HSK-A 63	25	120	51	57	53,0	62	57	47	94	M16x1	625
	HSK-A 63	32	125	57	63	53,0	62	61	51	99	M16x1	632

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

Spare parts		Article no. 80 397 ...		Article no. 83 950 ...		Article no. 83 950 ...		Article no. 83 950 ...	
for Article no.									
83 706 616	SW5	050	05 x 16	433	TR10x1,5x14	430	M12x1x18	446	
83 706 620	SW5	050	06 x 16	434	TR10x1,5x14	430	M16x1x18,5	448	
83 706 625	SW5	050	06 x 16	434	TR10x1,5x14	430	M16x1x22	449	
83 706 632	SW5	050	06 x 16	434	TR10x1,5x14	430	M16x1x25	450	

Accessories

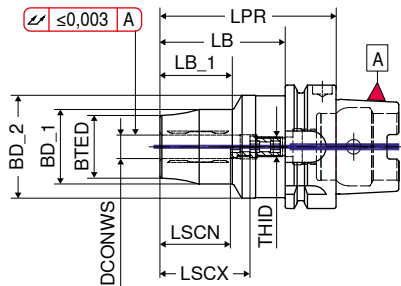
Reduction sleeve	Coolant transfer pipe	Others
→ 17 32	→ 138	→ 17 34

High pressure chuck, short and stable version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

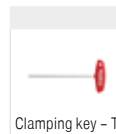
Article no.
83 722 ...

120

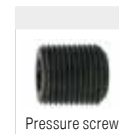
Adapter	DCONWS	LPR	BTED	BD_1	BD_2	LB_1	LSCX	LSCN	LB	THID
	mm	mm	mm	mm	mm	mm	mm	mm	mm	
HSK-A 63	20	80	36	49	52,5	36	51	40	54	M8x1

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth



Clamping key - T



Pressure screw



Stop screw IK

Spare parts

for Article no.
83 722 120

	Article no. 80 397 ...	Article no. 83 950 ...	Article no. 83 950 ...
SW5	050	158	420
	M10x1x10	M8x1x13,5 - SW3	

Accessories

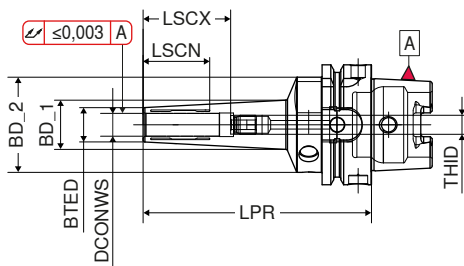
Reduction sleeve	Coolant transfer pipe	Others
→ 17 32	→ 138	→ 17 34

High pressure chuck, slim 3°

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw

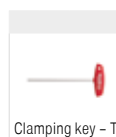


AD
G 2,5 n_{max} 25000

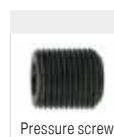
	Adapter	DCONWS	LPR	BTED	BD_1	BD_2	LSCX	LSCN	THID	Article no.
		mm	mm	mm	mm	mm	mm	mm		83 727 ...
Long	HSK-A 63	3	120	9	16,65	50	28	12	M3	603
	HSK-A 63	4	120	10	17,65	50	28	16	M3	604
	HSK-A 63	5	120	11	18,65	50	28	20	M3	605
	HSK-A 63	6	120	12	19,75	50	37	27	M5	606
	HSK-A 63	8	120	14	21,75	50	37	27	M6	608
	HSK-A 63	10	120	16	23,75	50	41	31	M8x1	610
	HSK-A 63	12	120	18	25,86	50	46	36	M10x1	612
	HSK-A 63	16	120	24	31,50	50	49	39	M12x1	616
	HSK-A 63	20	120	28	35,55	50	51	41	M16x1	620
	HSK-A 63	6	160	16	33,53	50	37	27	M5	706
	HSK-A 63	8	160	18	34,55	50	37	27	M6	708
	HSK-A 63	10	160	20	36,27	50	41	31	M8x1	710
	HSK-A 63	12	160	22	37,78	50	46	36	M10x1	712
	HSK-A 63	6	200	16	37,83	50	37	27	M5	806
	HSK-A 63	8	200	18	38,85	50	37	27	M6	808
	HSK-A 63	10	200	20	40,57	50	41	31	M8x1	810
	HSK-A 63	12	200	22	42,07	50	46	36	M10x1	812

→ Min. clamping depth, Page 233

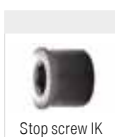
i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth



Clamping key - T



Pressure screw



Stop screw IK

Spare parts

for Article no.

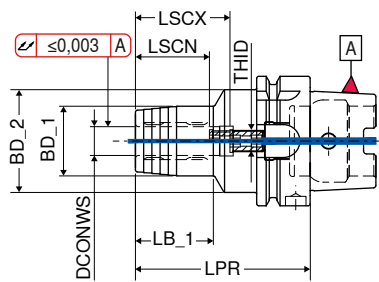
	Article no. 80 397 ...	Article no. 83 950 ...	Article no. 83 950 ...
83 727 603	SW5 050	M10x1x10 158	M3x20 - SW1,5 172
83 727 604	SW5 050	M10x1x10 158	M3x20 - SW1,5 172
83 727 605	SW5 050	M10x1x10 158	M3x20 - SW1,5 172
83 727 606	SW5 050	M10x1x10 158	M5x12,5 - SW2,5 418
83 727 608	SW5 050	M10x1x10 158	M6x12,5 - SW3 419
83 727 610	SW5 050	M10x1x12 159	M8x1x13,5 - SW3 420
83 727 612	SW5 050	M10x1x12 159	M10x1x13,5 - SW5 421
83 727 616	SW5 050	M10x1x12 159	M12x1x13,5 - SW5 422
83 727 620	SW5 050	M10x1x12 159	M16x1x13,5 - SW8 424
83 727 706	SW5 050	M10x1x10 158	M5x12,5 - SW2,5 418
83 727 708	SW5 050	M10x1x10 158	M6x12,5 - SW3 419
83 727 710	SW5 050	M10x1x12 159	M8x1x13,5 - SW3 420
83 727 712	SW5 050	M10x1x12 159	M10x1x13,5 - SW5 421
83 727 806	SW5 050	M10x1x10 158	M6x12,5 - SW3 419
83 727 808	SW5 050	M10x1x10 158	M6x12,5 - SW3 419
83 727 810	SW5 050	M10x1x12 159	M8x1x13,5 - SW3 420
83 727 812	SW5 050	M10x1x12 159	M10x1x13,5 - SW5 421

Hydraulic chuck, short and slim version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BD_1	BD_2	LSCX	LSCN	LB_1	THID	Article no. 83 726 ...
		mm	mm	mm	mm	mm	mm	mm		
short	HSK-A 63	6	70	26	49,5	37	27	24	M5	606
	HSK-A 63	8	70	28	49,5	37	27	24	M6	608
	HSK-A 63	10	80	30	49,5	41	31	32	M8x1	610
	HSK-A 63	12	85	32	49,5	46	36	40	M10x1	612
	HSK-A 63	16	90	38	49,5	49	39	46	M12x1	616
	HSK-A 63	20	90	42	49,5	51	41	48	M16x1	620
	HSK-A 63	25	120	57	52,0	57	47	63	M16x1	625
	HSK-A 63	32	125	63	53,0	61	51	61	M16x1	632

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

Spare parts DCONWS

		Article no. 83 950 ...		Article no. 83 950 ...
6	M8x1x10	439	M5x12,5 - SW2,5	418
8	M8x1x10	439	M6x12,5 - SW3	419
10	M10x1x12	440	M8x1x13,5 - SW3	420
12	M10x1x12	440	M10x1x13,5 - SW5	421
16	M10x1x12	440	M12x1x13,5 - SW5	422
20 - 32	M10x1x12	440	M16x1x13,5 - SW5	423

Accessories



→ 17|32

→ 138

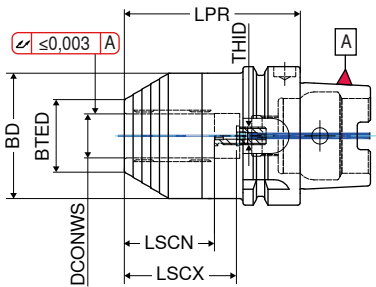
→ 17|34

Hydraulic chuck, short and stable version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

Article no.
83 729 ...

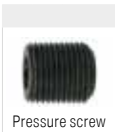
620

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

Spare parts
DCONWS

20	M10x1x12	440	M16x1x13,5 - SW5	423
----	----------	-----	------------------	-----



Pressure screw



Stop screw IK

Article no.
83 950 ...

Article no.
83 950 ...

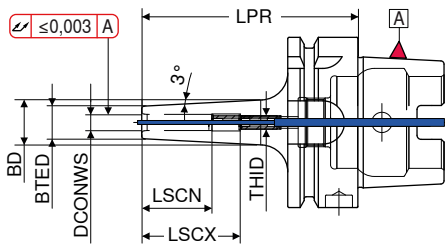
Accessories

Reduction sleeve	Coolant transfer pipe	Others
→ 17 32	→ 138	→ 17 34

Shrink adapter, slim 3°

▲ For solid carbide and HSS shanks with h6 tolerance or better

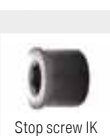
TG



AD
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID	Article no. 84 324 ...
		mm	mm	mm	mm	mm	mm		
short	HSK-A 63	3	80	9	14	28	12	M6	103
	HSK-A 63	4	80	10	15	28	16	M6	104
	HSK-A 63	5	80	11	16	30	20	M6	105
	HSK-A 63	6	80	12	17	36	26	M5	106
	HSK-A 63	8	80	14	19	36	26	M6	108
	HSK-A 63	10	85	16	21	41	31	M8x1	110
	HSK-A 63	12	90	18	24	47	37	M10x1	112
	HSK-A 63	14	90	20	26	47	37	M10x1	114
	HSK-A 63	16	95	22	28	50	40	M12x1	116
	HSK-A 63	18	95	24	30	50	40	M12x1	118
	HSK-A 63	20	100	26	33	52	42	M16x1	120
long	HSK-A 63	3	120	9	16	12	12		203
	HSK-A 63	4	120	10	17	16	16		204
	HSK-A 63	5	120	11	18	20	20		205
	HSK-A 63	6	120	12	21	36	26	M5	206
	HSK-A 63	8	120	14	23	36	26	M6	208
	HSK-A 63	10	120	16	25	41	31	M8x1	210
	HSK-A 63	12	120	18	27	47	37	M10x1	212
	HSK-A 63	14	120	20	29	47	37	M10x1	214
	HSK-A 63	16	120	22	31	50	40	M12x1	216
	HSK-A 63	18	120	24	33	50	40	M12x1	218
	HSK-A 63	20	120	26	35	52	42	M16x1	220
extra-long	HSK-A 63	3	160	9	19	12	12		303
	HSK-A 63	4	160	10	20	16	16		304
	HSK-A 63	5	160	11	21	20	20		305
	HSK-A 63	6	160	12	24	36	26	M5	306
	HSK-A 63	8	160	14	26	36	26	M6	308
	HSK-A 63	10	160	16	28	41	31	M8x1	310
	HSK-A 63	12	160	18	30	47	37	M10x1	312
	HSK-A 63	14	160	20	32	47	37	M10x1	314
	HSK-A 63	16	160	22	34	50	40	M12x1	316
	HSK-A 63	18	160	24	36	50	40	M12x1	318
	HSK-A 63	20	160	26	38	52	42	M16x1	320

→ Min. clamping depth, Page 233



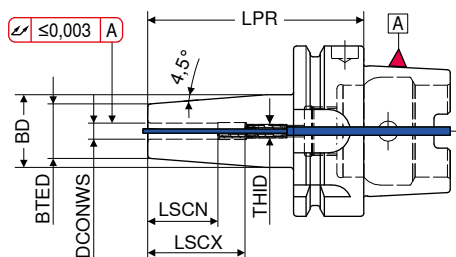
Spare parts
DCONWS

3-5	M6x14 - SW2	417		
6			M5x12,5 - SW2,5	418
8			M6x12,5 - SW3	419
10			M8x1x13,5 - SW3	420
12-14			M10x1x13,5 - SW5	421
16-18			M12x1x13,5 - SW5	422
20			M16x1x13,5 - SW8	424

Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG

AD
G 2,5 n_{max} 25000

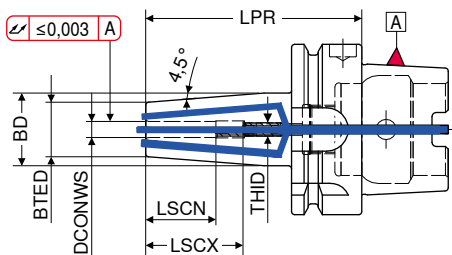
	Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID	Article no. 84 304 ...
		mm	mm	mm	mm	mm	mm		
short	HSK-A 63	3	80	10	15	22	12	M6	103
	HSK-A 63	4	80	15	22	26	16	M6	104
	HSK-A 63	5	80	15	22	30	20	M6	105
	HSK-A 63	6	80	21	27	36	26	M5	106
	HSK-A 63	8	80	21	27	36	26	M6	108
	HSK-A 63	10	85	24	32	41	31	M8x1	110
	HSK-A 63	12	90	24	32	47	37	M10x1	112
	HSK-A 63	14	90	27	34	47	37	M10x1	114
	HSK-A 63	16	95	27	34	50	40	M12x1	116
	HSK-A 63	18	95	33	42	50	40	M12x1	118
	HSK-A 63	20	100	33	42	52	42	M16x1	120
	HSK-A 63	25	115	44	53	58	48	M16x1	125
long	HSK-A 63	32	120	44	53	62	52	M16x1	132
	HSK-A 63	3	120	10	20	12	12		203
	HSK-A 63	4	120	15	22	16	16		204
	HSK-A 63	5	120	15	22	20	20		205
	HSK-A 63	6	120	21	27	36	26	M5	206
	HSK-A 63	8	120	21	27	36	26	M6	208
	HSK-A 63	10	120	24	32	41	31	M8x1	210
	HSK-A 63	12	120	24	32	47	37	M10x1	212
	HSK-A 63	14	120	27	34	47	37	M10x1	214
	HSK-A 63	16	120	27	34	50	40	M12x1	216
	HSK-A 63	18	120	33	42	50	40	M12x1	218
	HSK-A 63	20	120	33	42	52	42	M16x1	220
extra-long	HSK-A 63	25	120	44	53	58	48	M16x1	225
	HSK-A 63	3	160	10	20	12	12		303
	HSK-A 63	4	160	15	22	16	16		304
	HSK-A 63	5	160	15	22	20	20		305
	HSK-A 63	6	160	21	27	36	26	M5	306
	HSK-A 63	8	160	21	27	36	26	M6	308
	HSK-A 63	10	160	24	32	41	31	M8x1	310
	HSK-A 63	12	160	24	32	47	37	M10x1	312
	HSK-A 63	14	160	27	34	47	37	M10x1	314
	HSK-A 63	16	160	27	34	50	40	M12x1	316
	HSK-A 63	18	160	33	42	50	40	M12x1	318
	HSK-A 63	20	160	33	42	52	42	M16x1	320
extra long	HSK-A 63	25	160	44	53	62	52	M16x1	325
	HSK-A 63	6	200	21	27	36	26	M5	406
	HSK-A 63	8	200	21	27	36	26	M6	408
	HSK-A 63	10	200	24	32	41	31	M8x1	410
	HSK-A 63	12	200	24	32	47	37	M10x1	412
	HSK-A 63	14	200	27	34	47	37	M10x1	414
	HSK-A 63	16	200	27	34	50	40	M12x1	416
	HSK-A 63	18	200	33	42	50	40	M12x1	418
	HSK-A 63	20	200	33	42	52	42	M16x1	420
	HSK-A 63	25	200	44	53	62	52	M16x1	425
extra long	HSK-A 63	32	200	44	53	62	52	M16x1	432

→ Min. clamping depth, Page 233

Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG

AD
G 2,5 n_{max} 25000

NEW

Article no.
84 316 ...

	Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID	
		mm	mm	mm	mm	mm	mm		
short	HSK-A 63	3	80	10	15	28	12	M6	103
	HSK-A 63	4	80	15	22	28	16	M6	104
	HSK-A 63	5	80	15	22	30	20	M6	105
	HSK-A 63	6	80	21	27	36	26	M5	106
	HSK-A 63	8	80	21	27	36	26	M6	108
	HSK-A 63	10	85	24	32	41	31	M8x1	110
	HSK-A 63	12	90	24	32	47	37	M10x1	112
	HSK-A 63	14	90	27	34	47	37	M10x1	114
	HSK-A 63	16	95	27	34	50	40	M12x1	116
	HSK-A 63	18	95	33	42	50	40	M12x1	118
	HSK-A 63	20	100	33	42	52	42	M16x1	120
	HSK-A 63	25	115	44	53	58	48	M16x1	125
	HSK-A 63	32	120	44	53	62	52	M16x1	132

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth

Spare parts		Stop screw IK		Stop screw IK		Sealing screw	
DCONWS		Article no. 83 950 ...		Article no. 83 950 ...		Article no. 83 950 ...	
3 - 4	M6x14 - SW2	417			M2x6	512	
5				M5x12,5 - SW2,5	418	M2x6	512
6				M6x12,5 - SW3	419	M2x6	512
8				M8x1x13,5 - SW3	420	M2x6	512
10 - 14				M10x1x13,5 - SW5	421	M2x6	512
16 - 18	M12x1 - SW5	510				M2x6	512
20 - 32	M16x1 - SW5	511				M2x6	512

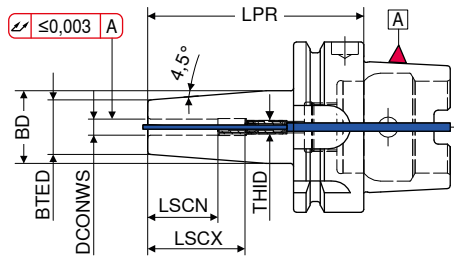
Accessories

Shrink fit extension	Coolant transfer pipe	Others
→ 17 10	→ 138	→ 17 34

Shrink fit adapters 4.5°

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG

AD
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID	Article no. 84 305 ...
		mm	mm	mm	mm	mm	mm		
short	HSK-A 100	6	85	21	27	36	26	M5	106
	HSK-A 100	8	85	21	27	36	26	M6	108
	HSK-A 100	10	90	24	32	41	31	M8x1	110
	HSK-A 100	12	95	24	32	47	37	M10x1	112
	HSK-A 100	14	95	27	34	47	37	M10x1	114
	HSK-A 100	16	100	27	34	50	40	M12x1	116
	HSK-A 100	18	100	33	42	50	40	M12x1	118
	HSK-A 100	20	105	33	42	52	42	M16x1	120
	HSK-A 100	25	115	44	53	58	48	M16x1	125
	HSK-A 100	32	120	44	53	62	52	M16x1	132
long	HSK-A 100	6	120	21	27	36	26	M5	206
	HSK-A 100	8	120	21	27	36	26	M6	208
	HSK-A 100	10	120	24	32	41	31	M8x1	210
	HSK-A 100	12	120	24	32	47	37	M10x1	212
	HSK-A 100	14	120	27	34	47	37	M10x1	214
	HSK-A 100	16	120	27	34	50	40	M12x1	216
	HSK-A 100	18	120	33	42	50	40	M12x1	218
	HSK-A 100	20	120	33	42	52	42	M16x1	220
	HSK-A 100	25	120	44	53	58	48	M16x1	225
extra-long	HSK-A 100	6	160	21	27	36	26	M5	306
	HSK-A 100	8	160	21	27	36	26	M6	308
	HSK-A 100	10	160	24	32	41	31	M8x1	310
	HSK-A 100	12	160	24	32	47	37	M10x1	312
	HSK-A 100	14	160	27	34	47	37	M10x1	314
	HSK-A 100	16	160	27	34	50	40	M12x1	316
	HSK-A 100	18	160	33	42	50	40	M12x1	318
	HSK-A 100	20	160	33	42	52	42	M16x1	320
	HSK-A 100	25	160	44	53	58	48	M16x1	325
	HSK-A 100	32	160	44	53	62	52	M16x1	332

→ Min. clamping depth, Page 233



Stop screw IK

Spare parts
DCONWSArticle no.
83 950 ...

6	M5x12,5 - SW2,5	418
8	M6x12,5 - SW3	419
10	M8x1x13,5 - SW3	420
12 - 14	M10x1x13,5 - SW5	421
16 - 18	M12x1x13,5 - SW5	422
20 - 32	M16x1x13,5 - SW8	424

Accessories



Shrink fit extension

Coolant transfer pipe

Others

→ 17|10

→ 138

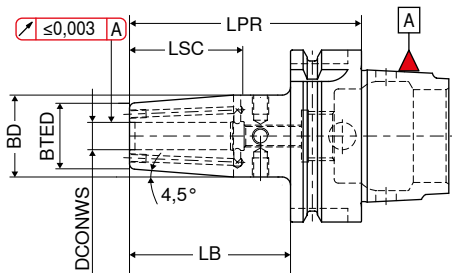
→ 17|34

Shrink fit adapters 4.5°

- ▲ Version for high clamping force
- ▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Holder with adjustable back stop

AD
G 2,5 n_{max} 25000Article no.
84 717 ...

	Adapter	DCONWS	LPR	BTED	BD	LB	LSC	
		mm	mm	mm	mm	mm	mm	
short	HSK-A 63	6	80	21	26	54	36,5	606
	HSK-A 63	8	80	21	26	54	36,5	608
	HSK-A 63	10	85	24	30	59	41,5	610
	HSK-A 63	12	90	24	30	64	46,5	612
	HSK-A 63	14	90	27	34	64	46,5	614
	HSK-A 63	16	95	27	34	69	49,5	616
	HSK-A 63	18	95	33	41	69	49,5	618
	HSK-A 63	20	100	33	41	74	51,5	620
	HSK-A 63	25	115	44	52	89	57,5	625
	HSK-A 63	32	120	44	52	94	61,5	632
	HSK-A 100	6	85	21	26	56	36,5	106
	HSK-A 100	8	85	21	26	56	36,5	108
	HSK-A 100	10	90	24	30	56	41,5	110
	HSK-A 100	12	95	24	30	66	46,5	112
	HSK-A 100	14	95	27	34	66	46,5	114
	HSK-A 100	16	100	27	34	71	49,5	116
	HSK-A 100	18	100	33	42	71	49,5	118
	HSK-A 100	20	105	33	42	76	51,5	120
	HSK-A 100	25	115	44	53	86	57,5	125
	HSK-A 100	32	120	44	53	91	61,5	132

→ Min. clamping depth, Page 233

Spare parts
DCONWS

	Article no. 62 950 ...		Article no. 62 950 ...	
6	M5x0,8x14	402	M3x6	411
8	M6x1x16	403	M3x6	411
10	M8x1x20	404	M3x6	411
12 - 18	M10x1x20	405	M3x6	411
20	M12x1x20	406	M3x6	411
25 - 32	M12x1x20	406	M4x8	412

i Sealing screw for closing of two additional coolant holes.

Accessories



Shrink fit extension

Coolant transfer pipe

Others

→ 17110

→ 138

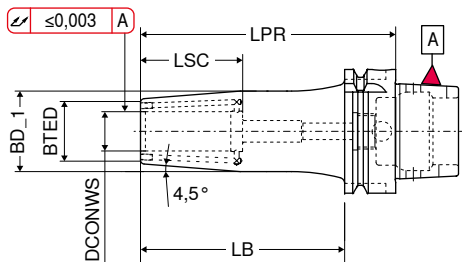
→ 17134

Shrink fit adapters 4.5°

- ▲ Version for high clamping force
- ▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Holder with adjustable back stop

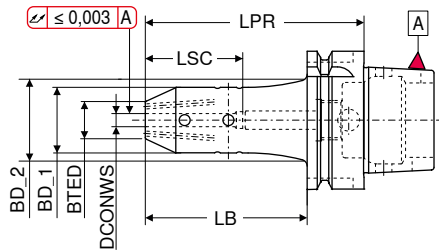
AD
G 2,5 n_{max} 25000AD
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BTED	BD_1	LB	LSC	Article no. 84 720 ...	Article no. 84 723 ...
		mm	mm	mm	mm	mm	mm		
medium length	HSK-A 63	6	130	21	27	104	36,5	606	
	HSK-A 63	8	130	21	27	104	36,5	608	
	HSK-A 63	10	130	24	32	104	41,5	610	
	HSK-A 63	12	130	24	32	104	46,5	612	
	HSK-A 63	14	130	27	34	104	46,5	614	
	HSK-A 63	16	130	27	34	104	49,5	616	
	HSK-A 63	18	130	33	41	104	49,5	618	
	HSK-A 63	20	130	33	41	104	51,5	620	
	HSK-A 100	6	130	21	27	101	36,5	106	
	HSK-A 100	8	130	21	27	101	36,5	108	
	HSK-A 100	10	130	24	32	101	41,5	110	
	HSK-A 100	12	130	24	32	101	46,5	112	
	HSK-A 100	14	130	27	34	101	46,5	114	
	HSK-A 100	16	130	27	34	101	49,5	116	
	HSK-A 100	18	130	33	41	101	49,5	118	
	HSK-A 100	20	130	33	41	101	51,5	120	
extra-long	HSK-A 63	6	160	21	27	134	36,5		606
	HSK-A 63	8	160	21	27	134	36,5		608
	HSK-A 63	10	160	24	32	134	41,5		610
	HSK-A 63	12	160	24	32	134	46,5		612
	HSK-A 63	14	160	27	34	134	46,5		614
	HSK-A 63	16	160	27	34	134	49,5		616
	HSK-A 63	18	160	33	41	134	49,5		618
	HSK-A 63	20	160	33	41	134	51,5		620
	HSK-A 63	25	160	44	52	134	57,5		625
	HSK-A 100	6	160	21	27	131	36,5		106
	HSK-A 100	8	160	21	27	131	36,5		108
	HSK-A 100	10	160	24	32	131	41,5		110
	HSK-A 100	12	160	24	32	131	46,5		112
	HSK-A 100	14	160	27	34	131	46,5		114
	HSK-A 100	16	160	27	34	131	49,5		116
	HSK-A 100	18	160	33	41	131	49,5		118
	HSK-A 100	20	160	33	41	131	51,5		120
	HSK-A 100	25	160	44	53	131	57,5		125
	HSK-A 100	32	160	44	53	131	61,5		132

→ Min. clamping depth, Page 233

Sidelock holder (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



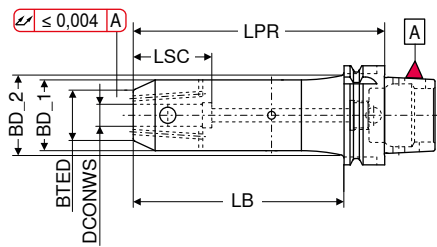
	Adapter	DCONWS _{H5}	LPR	BD_1	BTED	LB	LSC	BD_2	Article no. 84 700 ...	Article no. 84 701 ...	Article no. 84 704 ...	Article no. 84 705 ...
short	HSK-A 63	6	65	30	17	39	34		606	606 ¹⁾		
	HSK-A 63	8	65	32	20	39	34		608	608 ¹⁾		
	HSK-A 63	10	65	35	25	39	39		610	610 ¹⁾		
	HSK-A 63	12	80	42	30	54	44		612	612 ¹⁾		
	HSK-A 63	14	80	45	32	54	44		614	614 ¹⁾		
	HSK-A 63	16	80	48	36	54	47		616	616 ¹⁾		
	HSK-A 63	18	80	48	38	54	47		618	618 ¹⁾		
	HSK-A 63	20	80	52	40	54	49		620	620 ¹⁾		
	HSK-A 63	25	110	63	45	84	54		625	625 ¹⁾		
	HSK-A 63	32	110	72	52	84	58		632	632 ¹⁾		
	HSK-A 100	6	80	30	17	51	34		106			
	HSK-A 100	8	80	32	20	51	34		108			
	HSK-A 100	10	80	35	25	51	39		110			
	HSK-A 100	12	80	42	30	51	44		112			
	HSK-A 100	14	80	45	32	51	44		114			
	HSK-A 100	16	100	48	36	71	47		116			
	HSK-A 100	18	100	48	38	71	47		118			
	HSK-A 100	20	100	52	40	71	49		120			
	HSK-A 100	25	100	65	45	71	54		125			
	HSK-A 100	32	100	72	52	71	58		132			
	HSK-A 100	40	110	80	60	81	68		140			
long	HSK-A 63	6	100	30	17	74	34	36,2			606	606 ¹⁾
	HSK-A 63	8	100	32	20	74	34	38,2			608	608 ¹⁾
	HSK-A 63	10	100	35	25	74	39	41,2			610	610 ¹⁾
	HSK-A 63	12	100	42	30	74	44				612	612 ¹⁾
	HSK-A 63	14	100	45	32	74	44				614	614 ¹⁾
	HSK-A 63	16	100	48	36	74	47				616	616 ¹⁾
	HSK-A 63	18	100	48	38	74	47				618	618 ¹⁾
	HSK-A 63	20	100	52	40	74	49				620	620 ¹⁾

1) Without threads for balancing screws

 Spare parts and accessories on → **Page 110**

Sidelock holder (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



AD
G 2,5 n_{max} 25000



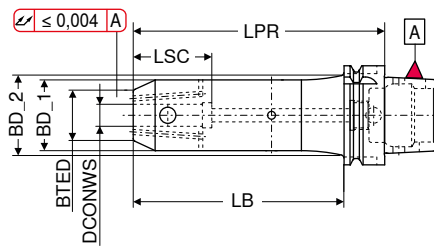
AD
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BD_1	BTED	LB	LSC	BD_2	AD G 2,5 n _{max} 25000	
									Article no. 84 706 ...	Article no. 84 708 ...
medium length	HSK-A 63	6	130	30	17	104	34	36,2	606	606
	HSK-A 63	8	130	32	20	104	34	38,2	608	608
	HSK-A 63	10	130	35	25	104	39	41,2	610	610
	HSK-A 63	12	130	42	30	104	44	48,2	612	612
	HSK-A 63	14	130	45	32	104	44	50,5	614	614
	HSK-A 63	16	130	48	36	104	47	50,1	616	616
	HSK-A 63	18	130	48	38	104	47	50,1	618	618
	HSK-A 63	20	130	52	40	104	49		620	620
	HSK-A 63	25	130	63	45	104	54		625	
	HSK-A 63	32	130	72	52	104	58		632	

Spare parts and accessories on → **Page 110**

Sidelock holder (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



AD
G 2,5 n_{max} 25000

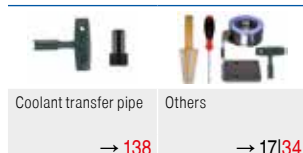
	Adapter	DCONWS _{H5}	LPR	BD_1	BTED	LB	LSC	BD_2	Article no. 84 707 ...
		mm	mm	mm	mm	mm	mm	mm	
extra-long	HSK-A 63	6	160	30	17	134	34	36,2	606
	HSK-A 63	8	160	32	20	134	34	38,2	608
	HSK-A 63	10	160	35	25	134	39	41,2	610
	HSK-A 63	12	160	42	30	134	44	48,2	612
	HSK-A 63	14	160	45	32	134	44	50,5	614
	HSK-A 63	16	160	48	36	134	47	50,1	616
	HSK-A 63	18	160	48	38	134	47	50,1	618
	HSK-A 63	20	160	52	40	134	49		620
	HSK-A 63	25	160	63	45	134	54		625
	HSK-A 100	6	160	30	17	131	34	38,2	106
	HSK-A 100	8	160	32	20	131	34	40,2	108
	HSK-A 100	10	160	35	25	131	39	43,2	110
	HSK-A 100	12	160	42	30	131	44	50,2	112
	HSK-A 100	14	160	45	32	131	44	53,2	114
	HSK-A 100	16	160	48	36	131	47	56,2	116
	HSK-A 100	18	160	48	38	131	47	56,2	118
	HSK-A 100	20	160	52	40	131	49	60,2	120
	HSK-A 100	25	160	65	45	131	54	73,2	125
	HSK-A 100	32	160	72	52	134	58	79,5	132

Spare parts DCONWS_{H5}

	Article no. 62 950 ...		Article no. 62 950 ...	
6	M6x10	422	M3x6	411
8	M8x10	423	M3x6	411
10	M10x12	424	M3x6	411
12 - 14	M12x16	425	M3x6	411
16 - 18	M14x16	426	M3x6	411
20	M16x16	427	M3x6	411
25	M18x2x20	428	M4x8	412
32 - 40	M20x2x20	429	M4x8	412

i Sealing screw for closing of two additional coolant holes.

Accessories



Coolant transfer pipe

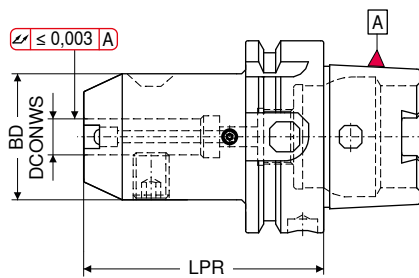
Others

→ 138

→ 17|34

Sidelock holder (Weldon)

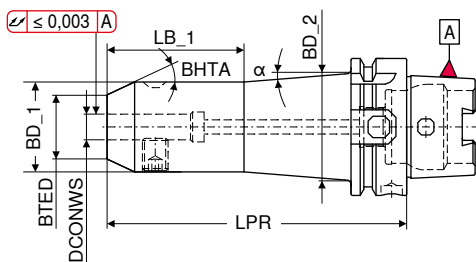
▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



	Adapter	DCONWS _{H4}	LPR	BD	AD G 2,5 n_{max} 18000 Article no. 81 736 ... AD G 2,5 n_{max} 18000 Article no. 81 731 ... AD G 6,3 n_{max} 15000 Article no. 81 731 ... ADe G 2,5 n_{max} 18000 Article no. 81 730 ... ADe G 6,3 n_{max} 15000 Article no. 81 730 ...				
		mm	mm	mm					
short	HSK-A 32	6	60	25		306			
	HSK-A 32	8	60	28		308			
	HSK-A 32	10	65	35		310			
	HSK-A 32	12	75	42		312			
	HSK-A 32	16	75	48		316			
	HSK-A 40	6	60	25		406			
	HSK-A 40	8	60	28		408			
	HSK-A 40	10	65	34		410			
	HSK-A 40	12	70	42		412			
	HSK-A 40	16	80	48		416			
	HSK-A 40	20	80	52		420			
	HSK-A 50	6	65	25		506			
	HSK-A 50	8	65	28		508			
	HSK-A 50	10	65	35		510			
	HSK-A 50	12	80	42		512			
	HSK-A 50	16	80	48		516			
	HSK-A 50	20	80	52		520			
	HSK-A 50	25	105	65		525			
	HSK-A 50	32	120	72		532			
	HSK-A 63	6	65	25		606		606	
	HSK-A 63	8	65	28		608		608	
	HSK-A 63	10	65	35		610		610	
	HSK-A 63	12	80	42		612		612	
	HSK-A 63	14	80	44		614		614	
	HSK-A 63	16	80	48		616		616	
	HSK-A 63	18	80	50		618		618	
	HSK-A 63	20	80	52		620		620	
	HSK-A 63	25	110	65		625		625	
	HSK-A 63	32	110	72		632		632	
	HSK-A 63	40	125	80		640		640	
	HSK-A 100	6	80	25			106		106
	HSK-A 100	8	80	28			108		108
	HSK-A 100	10	80	35			110		110
	HSK-A 100	12	80	42			112		112
	HSK-A 100	14	80	44			114		114
	HSK-A 100	16	100	48			116		116
	HSK-A 100	18	100	50			118		118
	HSK-A 100	20	100	52			120		120
	HSK-A 100	25	100	65			125		125
	HSK-A 100	32	100	72			132		132
	HSK-A 100	40	105	80			140		140
long	HSK-A 63	6	100	25	606				
	HSK-A 63	8	100	28	608				
	HSK-A 63	10	100	35	610				
	HSK-A 63	12	100	42	612				
	HSK-A 63	16	100	48	616				
	HSK-A 63	40	125	80	640				

Sidelock holder (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



AD
G 6,3 n_{max} 15000



AD
G 6,3 n_{max} 10000

	Adapter	DCONWS _{H4}	LPR	BD_1	BD_2	BTED	LB_1	BHTA	α°	Article no. 81 732 ...	Article no. 81 732 ...
		mm	mm	mm	mm	mm	mm				
extra-long	HSK-A 63	6	160	25	34,7	15	50	25°	3,5	606	
	HSK-A 63	8	160	28	37,9	20	50	25°	3,5	608	
	HSK-A 63	10	160	35	43,7	25	60	25°	3,5	610	
	HSK-A 63	12	160	42		30		25°		612 ¹⁾	
	HSK-A 63	16	160	48		36		25°		616 ¹⁾	
	HSK-A 63	20	160	52		40		25°		620 ¹⁾	
	HSK-A 100	6	160	25	45,2	15	50	25°	7,5		106
	HSK-A 100	8	160	28	48,7	20	50	25°	7,5		108
	HSK-A 100	10	160	35	51,2	25	65	25°	7,5		110
	HSK-A 100	12	160	42	59,5	30	60	25°	7,5		112
	HSK-A 100	16	160	48	62,9	36	70	25°	7,5		116
	HSK-A 100	20	160	52	69,6	40	60	25°	7,5		120
	HSK-A 100	25	160	65	77,5	45	80	45°	7,5		125

1) Cylindrical shank adapter



Grubscrew

Spare parts DCONWS_{H4}

		Article no. 62 950 ...
6	M6x10	006
8	M8x10	008
10	M10x12	010
12	M12x16	012
14	M12x16	012
16	M14x16	016
18	M14x16	016
20	M16x16	020
25	M18x2x20	025
32	M20x2x20	032
40	M20x2x20	032

Accessories



Coolant transfer pipe

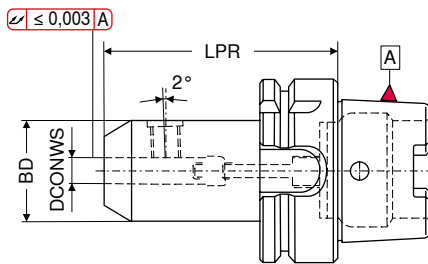
Others

→ 138

→ 17|34

Tool holder for tools with angled clamping flat (Whistle Notch)

▲ For shanks according to DIN 6535 HE / 1835 E with angled clamping flat

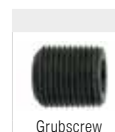


AD
G 2,5 n_{max} 18000



AD
G 6,3 n_{max} 15000

	Adapter	DCONWS _{H4}	LPR	BD	Article no. 81 733 ...	Article no. 81 733 ...
		mm	mm	mm		
short	HSK-A 63	6	80	25	606	
	HSK-A 63	8	80	28	608	
	HSK-A 63	10	80	35	610	
	HSK-A 63	12	90	42	612	
	HSK-A 63	14	90	44	614	
	HSK-A 63	16	100	48	616	
	HSK-A 63	18	100	50	618	
	HSK-A 63	20	100	52	620	
	HSK-A 63	25	110	65	625	
	HSK-A 63	32	110	72	632	
	HSK-A 100	6	90	25		106
	HSK-A 100	8	90	28		108
	HSK-A 100	10	90	35		110
	HSK-A 100	12	100	42		112
	HSK-A 100	14	100	44		114
	HSK-A 100	16	100	48		116
	HSK-A 100	18	100	50		118
	HSK-A 100	20	110	52		120
	HSK-A 100	25	120	65		125
	HSK-A 100	32	120	72		132
	HSK-A 100	40	120	80		140



Grubscrew

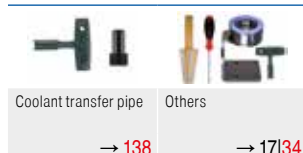


Stop screw IK

Spare parts DCONWS_{H4}

		Article no. 62 950 ...		Article no. 81 950 ...
6	M6x10	006	M5x15	050
8	M8x10	008	M6x15	051
10	M10x12	010	M8x15	052
12 - 14	M12x16	012	M10x15	053
16 - 18	M14x16	016	M12x15	054
20	M16x16	020	M16x15	055
25	M18x2x20	025	M20x15	056
32	M20x2x20	032	M20x15	056
40	M20x2x20	032	M22x1,5x15	057

Accessories



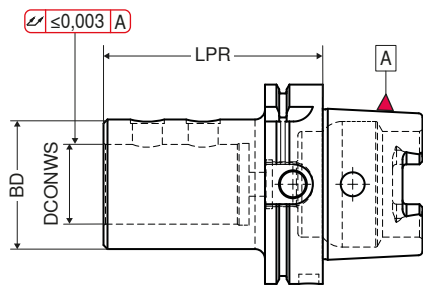
Coolant transfer pipe

Others

→ 138

→ 17|34

Indexable insert drill adapter ISO 12164 HSK Form A



AD
G 6,3 n_{max} 15000

Article no.
10 842 ...

Adapter	DCONWS	LPR	BD	
	mm	mm	mm	
HSK-A 63	20	80	40	320
HSK-A 63	25	90	45	325
HSK-A 63	32	90	52	332
HSK-A 63	40	110	65	340
HSK-A 100	20	90	40	420
HSK-A 100	25	100	45	425
HSK-A 100	32	100	52	432
HSK-A 100	40	110	65	440
HSK-A 100	50	120	75	450

i Suitable eccentric sleeves can be found in → **Chapter 3, Indexable insert drilling.**



Grubscrew

Spare parts
DCONWS

Article no.
10 950 ...

20	M10x1x10	001
25 - 32	M12x1x10	002
40 - 50	M16x1x12	003

Accessories



Coolant transfer pipe

Others

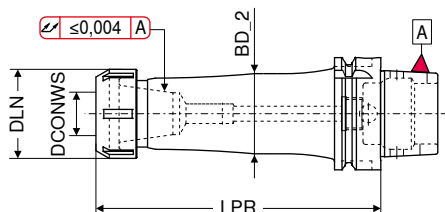
→ 138

→ 17|34

ER Collet chuck

Scope of supply:

Holder with lock nut and adjustable back stop



	Adapter	DCONWS mm	LPR mm	DLN mm	BD_2 mm	TQX Nm	for collet	 AD G 2,5 n _{max} 25000 Article no. 84 726 ...	 AD G 2,5 n _{max} 25000 Article no. 84 732 ...	 AD G 2,5 n _{max} 25000 Article no. 84 738 ...
long	HSK-A 63	1 - 10	100	22	27	8 - 56	426E (ER16 mini)	610		
	HSK-A 63	1 - 16	100	42	37	24 - 104	430E (ER25)	616		
	HSK-A 63	2 - 20	100	50	45	24 - 136	470E (ER32)	620		
	HSK-A 63	3 - 26	100	63	52	176	472E (ER40)	626		
	HSK-A 100	1 - 10	100	22	27	8 - 56	426E (ER16 mini)	110		
	HSK-A 100	1 - 16	100	42	37	24 - 104	430E (ER25)	116		
	HSK-A 100	2 - 20	100	50	45	24 - 136	470E (ER32)	120		
	HSK-A 100	3 - 26	100	63	56	176	472E (ER40)	126		
extra-long	HSK-A 63	1 - 10	160	22	27	8 - 56	426E (ER16 mini)			610
	HSK-A 63	1 - 16	160	42	37	24 - 104	430E (ER25)			616
	HSK-A 63	2 - 20	160	50	45	24 - 136	470E (ER32)			620
	HSK-A 63	3 - 26	160	63	52	176	472E (ER40)			626
	HSK-A 100	1 - 10	200	22	27	8 - 56	426E (ER16 mini)			110
	HSK-A 100	1 - 16	200	42	37	24 - 104	430E (ER25)			116
	HSK-A 100	2 - 20	200	50	45	24 - 136	470E (ER32)			120
	HSK-A 100	3 - 26	200	63	56	176	472E (ER40)			126
	HSK-A 100	1 - 10	160	22	27	8 - 56	426E (ER16 mini)		110	
	HSK-A 100	1 - 16	160	42	37	24 - 104	430E (ER25)		116	
	HSK-A 100	2 - 20	160	50	45	24 - 136	470E (ER32)		120	
	HSK-A 100	3 - 26	160	63	56	176	472E (ER40)		126	
	HSK-A 100	1 - 10	160	22	27	8 - 56	426E (ER16 mini)			
	HSK-A 100	1 - 16	160	42	37	24 - 104	430E (ER25)			
	HSK-A 100	2 - 20	160	50	45	24 - 136	470E (ER32)			
	HSK-A 100	3 - 26	160	63	56	176	472E (ER40)			

Spare parts	 Lock nut IK Article no. 83 950 ...	 Lock nut Article no. 62 950 ...	 Y clamping key Article no. 83 357 ...	 ER Mini clamping key Article no. 83 950 ...	 Mini lock nut Article no. 62 950 ...	 Mini IK Article no. 83 950 ...	 Stop screw IK Article no. 62 950 ...
for collet							
426E (ER16 mini)				101	066	058	403
430E (ER25)	055	055	125				406
470E (ER32)	056	056	132				406
472E (ER40)	057	057	140				406

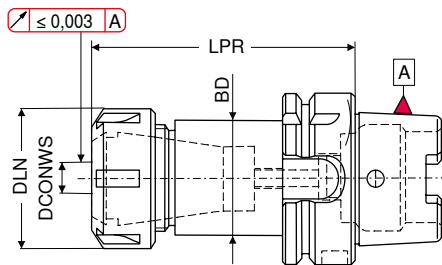
Accessories

		
ER collet	Coolant transfer pipe	Others
→ 206, 211-215	→ 138	→ 17 34

ER-Collet chuck

Scope of supply:

Toolholder with lock nut and adjustable back stop

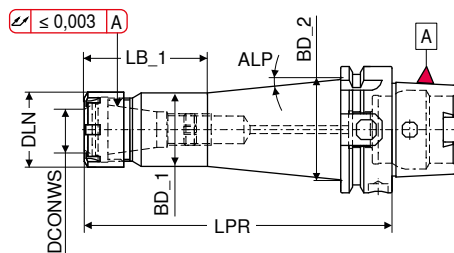


	Adapter	DCONWS mm	LPR mm	DLN mm	BD mm	TQX Nm	for collet	Article no. 81 735 ...	Article no. 81 735 ...	Article no. 81 737 ...	Article no. 81 737 ...	Article no. 81 737 ...
short	HSK-A 32	1 - 10	65	22	19	8 - 56	426E (ER16 mini)		316			
	HSK-A 32	1 - 16	70	35	30	24 - 104	430E (ER25 mini)		325			
	HSK-A 40	1 - 10	70	22	22	8 - 56	426E (ER16 mini)		416			
	HSK-A 40	1 - 16	80	42	35	24 - 104	430E (ER25)		425			
	HSK-A 50	1 - 10	80	22	22	8 - 56	426E (ER16 mini)		516			
	HSK-A 50	1 - 16	95	42	42	24 - 104	430E (ER25)		525			
long	HSK-A 40	2 - 20	100	50	40	24 - 136	470E (ER32)		432			
	HSK-A 50	2 - 20	100	50	50	24 - 136	470E (ER32)		532			
	HSK-A 63	1 - 10	100	22	19	8 - 56	426E (ER16 mini)		616			
	HSK-A 63	1 - 16	100	42	32	24 - 104	430E (ER25)		625			
	HSK-A 63	2 - 20	100	50	50	24 - 136	470E (ER32)		632			
	HSK-A 100	1 - 16	100	42	42	24 - 104	430E (ER25)	125				
medium length	HSK-A 100	2 - 20	100	50	50	24 - 136	470E (ER32)	132				
	HSK-A 40	1 - 16	120	35	35	24 - 104	430E (ER25 mini)			425		
	HSK-A 63	2 - 26	120	63	50	176	472E (ER40)		640			
extra-long	HSK-A 100	3 - 26	120	63	50	176	472E (ER40)	140				
	HSK-A 63	2 - 20	160	50	50	24 - 136	470E (ER32)				632	
	HSK-A 63	3 - 26	160	63	63	176	472E (ER40)				640	
	HSK-A 100	1 - 16	160	42	42	24 - 104	430E (ER25)					125
	HSK-A 100	2 - 20	160	50	50	24 - 136	470E (ER32)					132
	HSK-A 100	3 - 26	160	63	63	176	472E (ER40)					140

ER-Collet chuck

Scope of supply:

Toolholder with lock nut and adjustable back stop



AD
G 2,5 n_{max} 18000



AD
G 6,3 n_{max} 15000

	Adapter	DCONWS	LPR	DLN	BD_1	BD_2	LB_1	ALP	TQX	for collet	Article no. 81 737 ...	Article no. 81 737 ...
		mm	mm	mm	mm	mm	mm		Nm			
medium length	HSK-A 40	1 - 10	120	22	22	29,15	47	4°	8 - 56	426E (ER16 mini)	416	
extra-long	HSK-A 63	1 - 10	160	22	22	35,00	57	5°	8 - 56	426E (ER16 mini)		616
	HSK-A 63	1 - 16	160	35	35	46,10	68	5°	24 - 104	430E (ER25 mini)		625

Spare parts

for collet

	Article no. 83 950 ...	Article no. 62 950 ...	Article no. 83 357 ...	Article no. 83 950 ...	Article no. 62 950 ...	Article no. 83 950 ...	Article no. 81 950 ...
426E (ER16 mini)				101	066	058	053
430E (ER25 mini)				103	069	060	055
430E (ER25)	055	055	125				055
470E (ER32)	056	056	132				057
472E (ER40)	057	057	140				057

Accessories

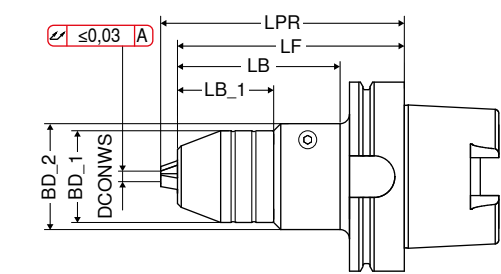
ER collet	Coolant transfer pipe	Others
→ 206, 211-215	→ 138	→ 17 34

Short drill chuck

- ▲ Independent of direction of rotation
- ▲ Torque Moment = 12 Nm

Scope of supply:
Toolholder including clamping key SW4

NC
2010



AD
G 6,3 n_{max} 10000

Adapter	DCONWS	BD_1	BD_2	LB_1	LB	LPR	LF	Article no.
	mm	mm	mm	mm	mm	mm	mm	84 716 ...
HSK-A 63	0,5 - 13	48,5	56	50,9		116,9	126,0	613
HSK-A 63	2,5 - 16	51,0	56	50,9		116,9	127,5	616
HSK-A 100	0,5 - 13	48,5	56	50,9	86	120,0	129,0	113
HSK-A 100	2,5 - 16	51,0	56	50,9	86	120,0	130,5	116

i Can be used with G 2.5 to 30,000 1/min by subsequent balancing !

Accessories

Others

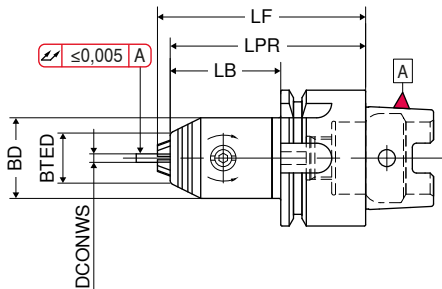
→ 17|34

Micro-precision collet chuck

- ▲ Bidirectional
- ▲ For speeds up to 60,000 1/min.

Scope of supply:

Holder including clamping wrench SW 2 x 60 mm



AD
G 2,5 n_{max} 25000

Adapter	DCONWS	LB	LPR	LF	BD	BTED	TQX
	mm	mm	mm	mm	mm	mm	Nm
HSK-A 32	0,2 - 3,4	26	46	49	19	12	2
HSK-A 40	0,2 - 3,4	26	46	49	19	12	2
HSK-A 50	0,2 - 3,4	26	52	55	19	12	2

Article no.
84 710 ...

334
434
534

Spare parts

for Article no.

84 710 334
84 710 434
84 710 534



Torx blade

Article no.
80 950 ...



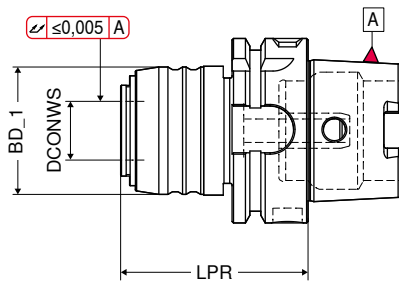
Torque
screwdriver

Article no.
80 021 ...

152	1,8 Nm	018
152	1,8 Nm	018
152	1,8 Nm	018

Synchro tapping chuck with minimum length compensation

- ▲ For collets according to DIN 6499
- ▲ With length compensation under tension and under compression (LZD)
- ▲ $p_{\max} = 50 \text{ bar}$



AD

Adapter	cutting range	SZID	DCONWS	LPR	BD_1	LZD± mm	Article no. 83 724 ...
HSK-A 63	M3 - M12	1	mm 20	mm 64	mm 43	1,0 / 0,2	612
HSK-A 63	M6 - M20	2	32	97	60	1,0 / 0,2	620
HSK-A 100	M3 - M12	1	20	70	43	1,0 / 0,2	112
HSK-A 100	M6 - M20	2	32	91	60	1,0 / 0,2	120

Accessories



Coolant transfer pipe

Others

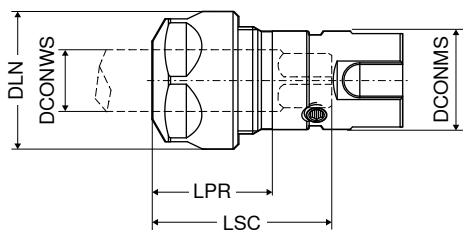
→ 138

→ 17134

Insert for synchro quick change tapping chuck with minimum length compensation

Scope of supply:

Includes lock nut



AD

SZID	DCONWS	cutting range	LPR	DLN	LSC	for collet	DCONMS	Article no. 83 608 ...
	mm		mm	mm	mm		mm	
1	2 - 10	M3 - M12	24	28	42	426E (ER16)	20	012
2	2 - 16	M6 - M20	28	42	59	430E (ER25)	32	020

Spare parts for synchronous tapping chucks

				
	Lock nut	Lock nut IK	Lock nut	Y clamping key
Spare parts	Article no.	Article no.	Article no.	Article no.
for Article no.	62 950 ...	83 950 ...	62 950 ...	83 357 ...
83 608 012	M22x1,5 - SW25	M22x1,5	M32x1,5	
83 608 020	044	054	055	116
		055		125

Accessories

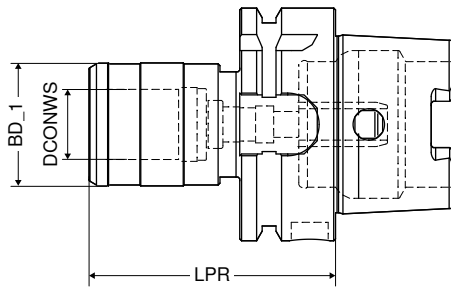


ER collet

→ 212, 214–215

Quick change tap chuck with length compensation

▲ With length compensation under tension and under compression (LZD)

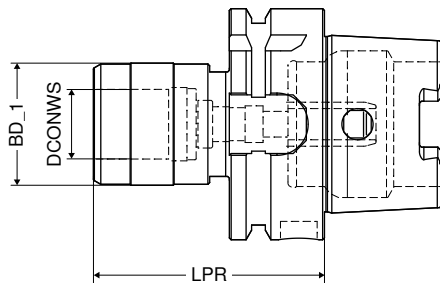


A

Adapter	cutting range	SZID	LPR	BD_1	DCONWS	LZD±	Article no. 83 712 ...
			mm	mm	mm	mm	
HSK-A 63	M3 - M12	01	72	41	19	7,5	612
HSK-A 63	M6 - M20	02	110	60	31	10	620
HSK-A 100	M3 - M12	01	80	41	19	7,5	112
HSK-A 100	M6 - M20	02	100	60	31	10	120

Quick change tap chuck without length compensation

▲ $p_{max} = 50$ bar



AD

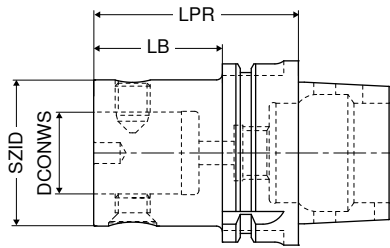
Adapter	cutting range	SZID	LPR	BD_1	DCONWS	Article no. 83 710 ...
			mm	mm	mm	
HSK-A 63	M3 - M12	01	63	33	19	612
HSK-A 63	M6 - M20	02	89	50	31	620
HSK-A 100	M3 - M12	01	69	33	19	112
HSK-A 100	M6 - M20	02	92	50	31	120

Accessories

		
Collet	Coolant transfer pipe	Others
→ 219-223	→ 138	→ 17 34

Adapter with ABS Connection

ABS

AD
G 6,3 n_{max} 10000**NEW**
Article no.
84 200 ...

Adapter	KOMET no.	SZID	DCONWS	LPR	LB	
			mm	mm	mm	
HSK-A 63	A0630150	ABS 50	28	70	44	06397
HSK-A 100	A0650150	ABS 50	28	80	51	10097

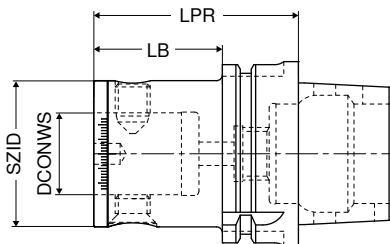
Eccentric adjuster with ABS Connection

▲ Adjustment ± 0.25 mm on diameter

Scope of supply:

Eccentric adjuster with adjuster key Ø 2.8

ABS



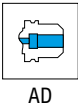
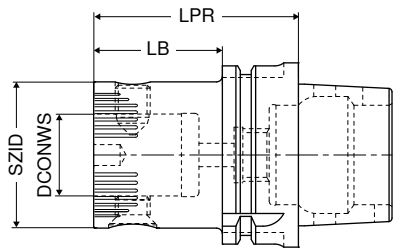
AD

NEW
Article no.
84 203 ...

Adapter	KOMET no.	SZID	DCONWS	LPR	LB	
			mm	mm	mm	
HSK-A 63	A0636730	ABS 50	28	70	44	06397
HSK-A 100	A0656730	ABS 50	28	80	51	10097

Torsional vibration dampers with ABS Connection

ABS



Adapter	KOMET no.	SZID	DCONWS	LPR	LB	
			mm	mm	mm	
HSK-A 63	A0630251	ABS 50	28	70	44	06397
HSK-A 100	A0650251	ABS 50	28	80	51	10097

NEW

Article no.
84 206 ...

Spare parts
SZID

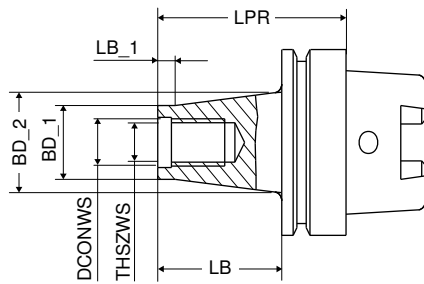
ABS 50

		
Clamping screw	Taper screw	Set
Article no. 84 950 ...	Article no. 84 950 ...	Article no. 84 950 ...
20300	20400	99800

Accessories

		
Coolant transfer pipe	Extension	Others
→ 138	→ 17 27	→ 17 34

Adapter for milling cutters with threaded end



AD
G 2,5 n_{max} 30000

Article no.
56 714 ...

Adapter	THSZWS	DCONWS	LB	BD_1	BD_2	LB_1	LPR	
		mm	mm	mm	mm	mm	mm	
HSK-A 63	M8	8,5	25	13,8	15	12	51	081
HSK-A 63	M8	8,5	50	13,8	23	12	76	082
HSK-A 63	M8	8,5	75	13,8	25	12	101	083
HSK-A 63	M8	8,5	100	13,8	30	12	126	084
HSK-A 63	M10	10,5	25	18,0	23	12	51	101
HSK-A 63	M10	10,5	50	18,0	25	12	76	102
HSK-A 63	M10	10,5	75	18,0	30	12	101	103
HSK-A 63	M10	10,5	100	18,0	35	12	126	104
HSK-A 63	M12	12,5	25	21,0	24	12	51	121
HSK-A 63	M12	12,5	50	21,0	30	12	76	122
HSK-A 63	M12	12,5	75	21,0	35	12	101	123
HSK-A 63	M12	12,5	100	21,0	38	12	126	124
HSK-A 63	M12	12,5	125	21,0	43	12	151	125
HSK-A 63	M12	12,5	150	21,0	45	12	176	126
HSK-A 63	M16	17,0	25	29,0	29	12	51	161
HSK-A 63	M16	17,0	50	29,0	34	12	76	162
HSK-A 63	M16	17,0	75	29,0	35	12	101	163
HSK-A 63	M16	17,0	100	29,0	40	12	126	164
HSK-A 63	M16	17,0	125	29,0	44	12	151	165
HSK-A 63	M16	17,0	150	29,0	48	12	176	166

Accessories



Extension-
Reduction set

→ 17|19

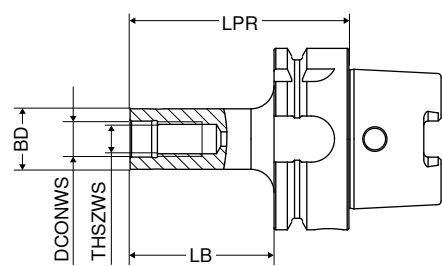
Coolant transfer pipe

→ 138

Others

→ 17|34

Adapter for milling cutters with threaded end



AD
G 2,5 n_{max} 25000

Adapter	THSZWS	DCONWS	BD	LB	LPR	Article no.
		mm	mm	mm	mm	56 719 ...
HSK-A 63	M8	8,5	13,8	50	76	082
HSK-A 63	M10	10,5	18,0	50	76	102
HSK-A 63	M10	10,5	18,0	100	126	104
HSK-A 63	M12	12,5	21,0	50	76	122
HSK-A 63	M12	12,5	21,0	100	126	124
HSK-A 63	M16	17,0	29,0	50	76	162
HSK-A 63	M16	17,0	29,0	100	126	164

Accessories



Extension-Reduction set
→ 17|19



Coolant transfer pipe
→ 138



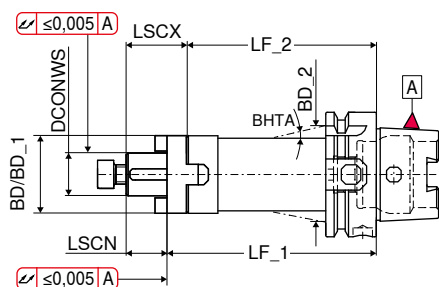
Others
→ 17|34

Combination shell mill adapter

▲ For milling cutters with transverse or longitudinal groove according to DIN 6358

Scope of supply:

Toolholder with retaining screw, driving ring and dowel spring

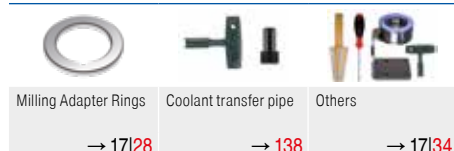


	Adapter	DCONWS	LF_1	LF_2	BD	BD_1	BD_2	LSCX	LSCN	BHTA	Article no. 81 738 ...	Article no. 81 738 ...	Article no. 81 739 ...	Article no. 81 740 ...
		mm	mm	mm	mm	mm	mm	mm	mm	mm				
short	HSK-A 63	16	60	50	32			27	17		616			
	HSK-A 63	22	60	48	40			31	19		622			
	HSK-A 63	27	60	48	48			33	21		627			
	HSK-A 63	32	60	46	53			38	24		632			
	HSK-A 63	40	70	56	70			41	27		640			
	HSK-A 100	16	60	50	32			27	17			116		
	HSK-A 100	22	60	48	40			31	19			122		
	HSK-A 100	27	60	48	48			33	21			127		
	HSK-A 100	32	60	46	58			38	24			132		
	HSK-A 100	40	70	56	70			41	27			140		
long	HSK-A 63	16	100	90	32			27	17				616	
	HSK-A 63	22	100	88	40			31	19				622	
	HSK-A 63	27	100	88	48			33	21				627	
	HSK-A 63	32	100	86	58			38	24				632	
	HSK-A 63	40	100	86	70			41	27				640	
extra-long	HSK-A 63	16	160	150		32	43,21	27	17	4,5°				616
	HSK-A 63	22	160	148		40	47,25	31	19	3,0°				622
	HSK-A 63	27	160	148	48			33	21					627
	HSK-A 63	32	160	146		58	53,00	38	24					632
	HSK-A 63	40	160	146		70	53,00	41	27					640

i These combination shell adapters are prebalanced without driving ring, dowel screw and retaining screw.

Spare parts DCONWS							
		Article no. 83 950 ...		Article no. 83 370 ...		Article no. 81 950 ...	
16	4 x 4 x 20	284		116	M8x20 - 30 Nm	020	
16	4 x 4 x 20	284		116	M8x20 - 30 Nm	020	
22	6 x 6 x 25	285		122	M10x30 - 50 Nm	021	
27	7 x 7 x 25	286		127	M12x35 - 80 Nm	022	
32	8 x 7 x 28	287		132	M16x40 - 110 Nm	023	
40	10 x 8 x 32	288		140			

Accessories

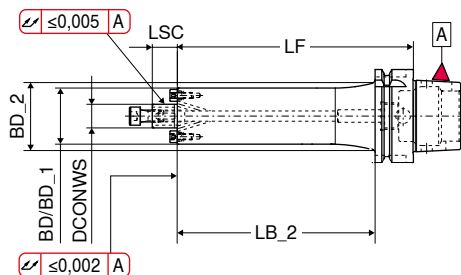


Shell mill adapter

▲ For milling cutters with transverse or longitudinal groove ISO 3937

Scope of supply:

Holder with fixed drive dogs, dowel spring and retaining screw



AD

G 2,5 n_{max} 25000

AD

G 2,5 n_{max} 25000

AD

G 2,5 n_{max} 25000

AD

G 2,5 n_{max} 25000

	Adapter	DCONWS	LB_2	LF	BD	BD_1	BD_2	LSC	Article no. 84 750 ...	Article no. 84 754 ...	Article no. 84 755 ...	Article no. 84 757 ...
		mm	mm	mm	mm	mm	mm	mm				
short	HSK-A 63	16	34	60	38			17	616			
	HSK-A 63	22	34	60	48			19	622			
	HSK-A 63	27	34	60	58			21	627			
	HSK-A 63	32	34	60	72			24	632			
	HSK-A 63	40	34	70	80			27	640			
	HSK-A 100	16	31	60	38			17	116			
	HSK-A 100	22	31	60	48			19	122			
	HSK-A 100	27	31	60	58			21	127			
	HSK-A 100	32	31	60	72			24	132			
	HSK-A 100	40	41	70	80			27	140			
long	HSK-A 63	16	74	100		38	44,3	17		616		
	HSK-A 63	22	74	100		48	50,3	19		622		
	HSK-A 63	27	74	100	58			21		627		
	HSK-A 63	32	74	100	72			24		632		
	HSK-A 63	40	74	100	80			27		640		
	HSK-A 100	16	71	100		38	46,3	17		116		
	HSK-A 100	22	71	100		48	56,3	19		122		
	HSK-A 100	27	71	100		58	66,3	24		127		
	HSK-A 100	32	71	100		72	80,3	24		132		
	HSK-A 100	40	71	100	80			27		140		
medium length	HSK-A 63	16	104	130		38	44,3	17			616	
	HSK-A 63	22	104	130		48	50,3	19			622	
	HSK-A 63	27	104	130	58			21			627	
	HSK-A 63	32	104	130	72			24			632	
	HSK-A 63	40	104	130	80			27			640	
	HSK-A 100	16	101	130		38	46,3	17			116	
	HSK-A 100	22	101	130		48	56,3	19			122	
	HSK-A 100	27	101	130		58	66,3	21			127	
	HSK-A 100	32	101	130		72	80,3	24			132	
	HSK-A 100	40	101	130	80			27			140	
extra-long	HSK-A 63	16	134	160		38	44,3	17				616
	HSK-A 63	22	134	160		48	50,3	19				622
	HSK-A 63	27	134	160	58			21				627
	HSK-A 63	32	134	160	72			24				632
	HSK-A 63	40	134	160	80			27				640
	HSK-A 100	16	131	160		38	46,3	17				116
	HSK-A 100	22	131	160		48	56,3	19				122
	HSK-A 100	27	131	160		58	66,3	21				127
	HSK-A 100	32	131	160		72	80,3	24				132
	HSK-A 100	40	131	160	80			27				140

Spare parts facemill adapters

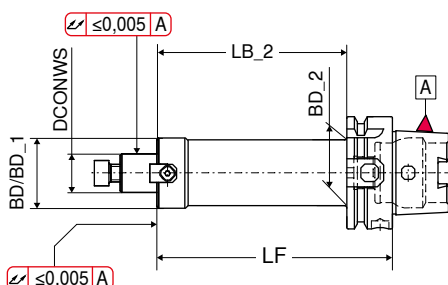
Spare parts		Article no.		Article no.		Article no.		Article no.	
DCONWS		83 950 ...		62 950 ...		62 950 ...		83 950 ...	
			Parallel key		Drive dogs		Differential screw		Clamping screw
16	4 x 4 x 20	284	M4x15	442	M8x16 - SW6	433	M8x25	113	
22	6 x 6 x 25	285	M5x17	443	M10x18 - SW8	434	M10x25	124	
27	7 x 7 x 25	286	M6x21	444	M12x20 - SW10	435	M12x30	125	
32	8 x 7 x 28	287	M6x22	445	M16x26 - SW12	436	M16x35	126	
40	10 x 8 x 32	288	M6x23	446	M20x30 - SW14	437	M20x40	112	

Shell mill adapter

- ▲ Enlarged seating surface (Ø BD)
- ▲ For face mills with transverse groove ISO 3937

Scope of supply:

Toolholder with retaining screw and drive dogs



	Adapter	DCONWS	LB_2	LF	BD	BD_1	BD_2	AD G 2,5 n _{max} 18000		A G 2,5 n _{max} 18000		A G 2,5 n _{max} 18000		AD G 2,5 n _{max} 18000	
								Article no. 81 728 ...		Article no. 81 741 ...		Article no. 81 742 ...		Article no. 81 747 ...	
short	HSK-A 63	16	24	50	38			216		616					
	HSK-A 63	22	24	50	48			222		622					
	HSK-A 63	27	34	60	58			227		627					
	HSK-A 63	32	34	60	78			232		632					
	HSK-A 63	40	34	60	88			240 ¹⁾		640 ¹⁾					
	HSK-A 100	16	21	50	38			116							
	HSK-A 100	22	21	50	48			122							
	HSK-A 100	27	21	50	58			127							
	HSK-A 100	32	21	50	78			132							
	HSK-A 100	40	31	60	88			140 ¹⁾							
long	HSK-A 100	60	41	70	129			160 ²⁾							
	HSK-A 63	16	74	100	38							616		616	
	HSK-A 63	22	74	100	48							622		622	
	HSK-A 63	27	74	100		58	53					627		627	
	HSK-A 63	32	74	100		78	53					632		632	
	HSK-A 63	40	74	100		88	53					640 ¹⁾		640 ¹⁾	

1) With cross recess screw and threaded holes M12 on the front face, pitch circle diameter = 66.7 mm

2) With threaded holes M16 on the front face, pitch circle diameter = 101.6 mm

Spare parts facemill adapters

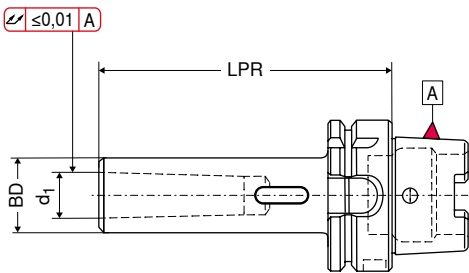
							
		Cross nut key		Retaining screw		Retaining screw	
Spare parts		Article no.		Article no.		Article no.	
DCONWS		83 368 ...		83 367 ...		81 950 ...	
16	116	M8	016	M8x20 - 30 Nm	020		
22	122	M10	022	M10x30 - 50 Nm	021		
27	127	M12	027	M12x35 - 80 Nm	022		
32	132	M16	032	M16x40 - 110 Nm	023		
40	140	M20	040				
60							

					
		Drive dogs		Drive screw	
DCONWS		Article no.		Article no.	
		81 950 ...		81 950 ...	
16	8x8x14	001	M3x8	010	
22	10x10x17	002	M4x8	011	
27	12x14x20	003	M4x14	012	
32	14x14x22	004	M5x13	013	
40	15,9x16x21	005	M6x16	014	
60	25,4x25x31	006	M12x25	015	

Accessories

		
Extensions	Coolant transfer pipe	Others
→ 17 26	→ 138	→ 17 34

Milling sleeve adapter for Morse taper shanks to DIN 228-2 D



A
G 6,3 n_{max} 15000



A
G 6,3 n_{max} 10000

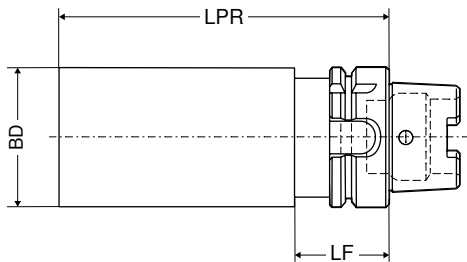
Adapter	d ₁	LPR	BD		
				Article no. 81 744 ...	Article no. 81 744 ...
		mm	mm		
HSK-A 63	MK1	100	25	601	
HSK-A 63	MK2	120	32	602	
HSK-A 63	MK3	140	40	603	
HSK-A 63	MK4	160	48	604	
HSK-A 100	MK1	110	25		101
HSK-A 100	MK2	120	32		102
HSK-A 100	MK3	150	40		103
HSK-A 100	MK4	170	48		104
HSK-A 100	MK5	200	63		105

Accessories

		
Morse taper adapter sleeve	Coolant transfer pipe	Others
→ 17 4	→ 138	→ 17 34

Blank

- ▲ Material: 20NiCrMo2
- ▲ For production of special tools
- ▲ Taper hardened and ground
- ▲ Tool 35^{±3} HRC

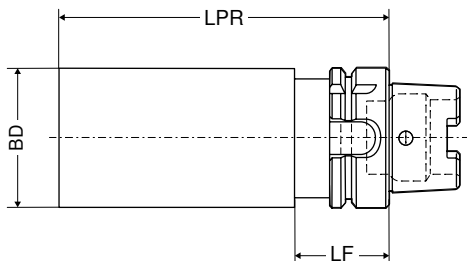


A

Adapter	BD	LPR	LF	Article no.
	mm	mm	mm	81 745 ...
HSK-A 32	35,0	150	35	335
HSK-A 40	40,0	150	35	440
HSK-A 40	52,0	200	35	452
HSK-A 50	52,0	200	42	552
HSK-A 50	63,0	200	42	563
HSK-A 63	63,0	200	42	663
HSK-A 63	80,0	250	42	680
HSK-A 100	63,0	200	45	163
HSK-A 100	80,0	250	45	180
HSK-A 100	97,5	250	45	190

Blank

- ▲ For the production of special tools
- ▲ Material: case hardened steel 16 MnCr 5
- ▲ Taper hardened and ground
- ▲ Tool production area = soft

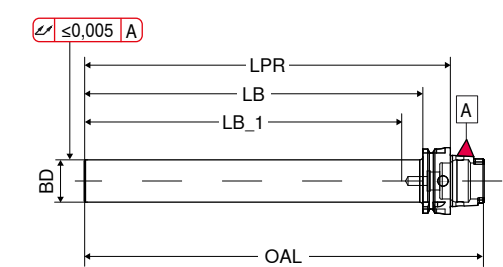


A

Adapter	BD	LPR	LF	Article no.
	mm	mm	mm	84 799 ...
HSK 63	63	200	42	663
HSK 63	80	250	42	680

Test arbor

Scope of supply:
In wooden box



Adapter	BD	LPR	LB_1	LB	OAL	Article no. 81 746 ...
	mm	mm	mm	mm	mm	
HSK-A 63	40	346	300	320	378	063
HSK-A 100	40	349	300	320	399	100

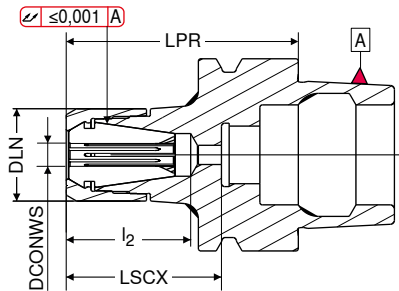
ER Precision Collet chuck

- ▲ For standard or sealed nuts
- ▲ Maximum size collet to ISO tolerance field H10
- ▲ For clamping a roll key is required
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P



AD
G 2,5 n_{max} 30000

Article no.
84 776 ...

Adapter	DCONWS	LPR	DLN	LSCX	l ₂	for collet	
	mm	mm	mm	mm	mm		
HSK-E 40	2 - 16	60	40	39		430E (ER25)	417
HSK-E 50	2 - 16	70	40	49	30 - 39	430E (ER25)	516

→ Transmittable torque moments, Page 233

- i** LSCX = Clamping depth without back stop screw for shanks
 l₂ = With back stop screw 1
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet
430E (ER25)

		
Lock nut IK	Lock nut	Stop screw 1
Article no. 84 950 ...	Article no. 84 950 ...	Article no. 83 950 ...
013	003	338

Accessories

					
ER collet	Sealing ring	Roll key	Roll key device	Coolant transfer pipe	Others
→ 208-211, 213	→ 207	→ 17 36	→ 17 36	→ 138	→ 17 34

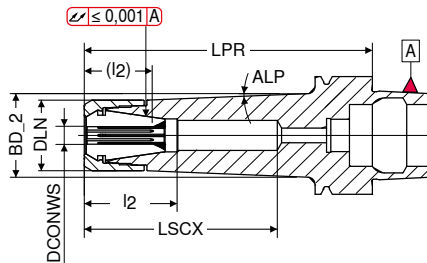
ER Precision tapered collet chuck

- ▲ For special tapered nuts
- ▲ Maximum clamping range covered according to ISO tolerance field H10
- ▲ Roll key required for clamping
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P



AD
G 2,5 $n_{\max}$ 30000



AD
G 6,3 $n_{\max}$ 42000

	Adapter	DCONWS	LPR	DLN	BD_2	LSCX	l_2 (l_2) mm	ALP	for collet	Article no. 84 774 ...	Article no. 84 774 ...
		mm	mm	mm	mm	mm					
short	HSK-E 25	1 - 5	35	10		16			4004E (ER08 mini)	051	
	HSK-E 25	1 - 7	35	16		22		2,5°	4008E (ER11 mini)	071	
	HSK-E 32	1 - 7	50	16	17,5	31	18 - 20	4,5°	4008E (ER11 mini)	307	
	HSK-E 32	1 - 7	50	16	17,5	31	18 - 20	4,5°	4008E (ER11 mini)		321
	HSK-E 32	1 - 7	60	16	19,2	41	18 - 28	4,5°	4008E (ER11 mini)		322
	HSK-E 32	1 - 7	70	16	20,8	45	18 - 32	4,5°	4008E (ER11 mini)		323
	HSK-E 40	1 - 7	50	16	17,5	31	18 - 20	4,5°	4008E (ER11 mini)	407	
	HSK-E 50	1 - 7	60	16	19,2	37	15 - 23	4,5°	4008E (ER11 mini)	507	
	HSK-E 25	1 - 10	45	22		30			426E (ER16 mini)	101	
	HSK-E 32	1 - 10	55	22	25,8	40	28 - 32 (12 - 22)	4,5°	426E (ER16 mini)	310	
	HSK-E 40	1 - 10	55	22	25,8	38	28 - 30 (12 - 20)	4,5°	426E (ER16 mini)	410	
	HSK-E 50	1 - 10	60	22	25,4	39	28 - 31 (12 - 21)	4,5°	426E (ER16 mini)	510	
	HSK-E 40	1 - 7	100	16	25,4	64	18 - 36 (12 - 26)	4,5°	4008E (ER11 mini)	408	
	HSK-E 50	1 - 7	100	16	25,4	50	15 - 30 (10 - 21)	4,5°	4008E (ER11 mini)	508	
long	HSK-E 40	1 - 10	100	22	29,0	66	28 - 48 (12 - 38)	2,5°	426E (ER16 mini)	411	
	HSK-E 50	1 - 10	100	22	28,2	72	28 - 48 (12 - 38)	2,5°	426E (ER16 mini)	511	

→ Transmittable torque moments, Page 233

- i** LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, dimension in brackets () = with back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet

4004E (ER08 mini)				
4008E (ER11 mini)				
426E (ER16 mini)	035	034	341	337

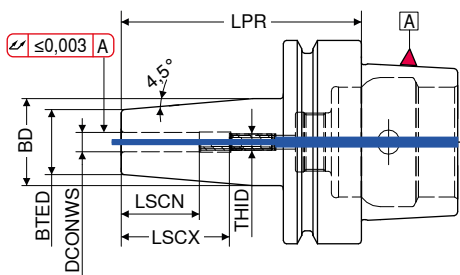
Accessories

ER collet	Sealing ring	Device	Roll key	Roll key device	Coolant transfer pipe	Others
→ 208-213	→ 207	→ 17 35	→ 17 36	→ 17 36	→ 138	→ 17 34

Shrink fit adapters

▲ For solid carbide and HSS shanks with h6 tolerance or better

TG

AD
G 2,5 n_{max} 25000AD
G 2,5 n_{max} 25000AD
G 2,5 n_{max} 25000

	Adapter	DCONWS	LPR	BTED	BD	LSCX	LSCN	THID	Article no. 84 307 ...	Article no. 84 308 ...	Article no. 84 309 ...
		mm	mm	mm	mm	mm	mm				
short	HSK-E 32	3	60	10	15	28	12	M5	103		
	HSK-E 32	4	60	10	15	28	16	M5	104		
	HSK-E 32	5	60	10	15	30	20	M5	105		
	HSK-E 32	6	70	21	25	36	26	M5	106		
	HSK-E 32	8	70	21	25	36	26	M6	108		
	HSK-E 32	10	75	24	29	41	31	M8x1	110		
	HSK-E 32	12	80	24	29	47	37	M10x1	112		
	HSK-E 40	3	60	10	15	28	12	M6		103	
	HSK-E 40	4	60	10	15	28	16	M6		104	
	HSK-E 40	5	60	10	15	30	20	M6		105	
	HSK-E 40	6	80	21	27	36	26	M5		106	
	HSK-E 40	8	80	21	27	36	26	M6		108	
	HSK-E 40	10	80	24	32	41	31	M8x1		110	
	HSK-E 40	12	90	24	32	47	37	M10x1		112	
	HSK-E 40	14	90	27	34	47	37	M10x1		114	
	HSK-E 40	16	90	27	34	50	40	M12x1		116	
	HSK-E 50	3	80	10	15	22	12	M6			103
	HSK-E 50	4	80	15	22	26	16	M6			104
	HSK-E 50	5	80	15	22	30	20	M6			105
	HSK-E 50	6	80	21	27	36	26	M5			106
	HSK-E 50	8	80	21	27	36	26	M6			108
	HSK-E 50	10	85	24	32	41	31	M8x1			110
	HSK-E 50	12	90	24	32	47	37	M10x1			112
	HSK-E 50	14	90	27	34	47	37	M10x1			114
	HSK-E 50	16	95	27	34	50	40	M12x1			116
	HSK-E 50	18	95	33	42	50	40	M12x1			118
	HSK-E 50	20	100	33	42	52	42	M16x1			120

→ Min. clamping depth, Page 233

Spare parts
DCONWS

	Article no. 83 950 ...	Article no. 83 950 ...	Article no. 83 950 ...
3 - 5	M6x14 - SW2	M5x14 - SW2	M5x12,5 - SW2,5
6	417	411	418
8			M6x12,5 - SW3
10			419
12 - 14			M8x1x13,5 - SW3
16 - 18			420
20			M10x1x13,5 - SW5
			421
			M12x1x13,5 - SW5
			422
			M16x1x13,5 - SW5
			423

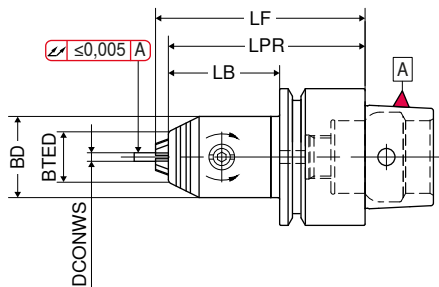
❗ Spare part 83 950 411 only for HSK-E 32. Spare part 83 950 417 for HSK-E 40/HSK-E 50.

Micro-precision collet chuck

- ▲ Bidirectional
- ▲ For speeds up to 60,000 1/min.

Scope of supply:

Holder including clamping wrench SW 2 x 60 mm



AD
G 2,5 n_{max} 18000

Adapter	DCONWS	LB	LPR	LF	BD	BTED	TQX	Article no. 84 712 ...
	mm	mm	mm	mm	mm	mm	Nm	
HSK-E 25	0,2 - 3,4	27	37	40	19	12	2	234
HSK-E 32	0,2 - 3,4	26	46	49	19	12	2	334
HSK-E 40	0,2 - 3,4	26	46	49	19	12	2	434

Spare parts

for Article no.

84 712 234	152	1,8 Nm	018
84 712 334	152	1,8 Nm	018
84 712 434	152	1,8 Nm	018



Torx blade

Article no.
80 950 ...



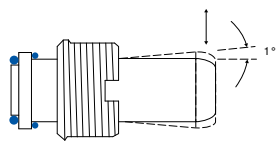
Torque
screwdriver

Article no.
80 021 ...

Coolant pipe

Scope of supply:

Complete, including seals



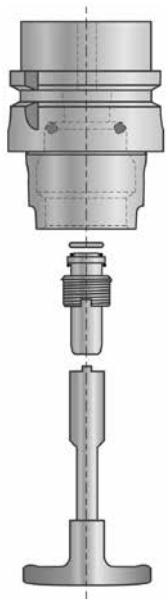
Size	G	Article no. 83 760 ...
HSK 32	M10 x 1	032
HSK 40	M12 x 1	040
HSK 50	M16 x 1	050
HSK 63	M18 x 1	063
HSK 80	M20 x 1,5	080
HSK 100	M24 x 1,5	100

Key



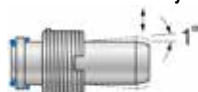
Size	Article no. 83 758 ...
HSK 32	032
HSK 40	040
HSK 50	050
HSK 63	063
HSK 80	080
HSK 100	100

Coolant pipe for HSK tools

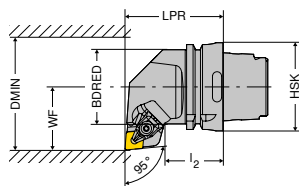


i The coolant pipe is ideally mounted in vertical direction – from the bottom to the top. In this manner the sealing ring is prevented from being compressed during locating which would cause the loss of its sealing function. After mounting, the coolant pipe can be moved only to a minimum degree according to DIN ($\pm 1^\circ$).

Flexibility



MaxiLock-D – DCLN 95° – Toolholder with top clamping



Illustrations show right-hand versions

ISO designation	Adapter	LPR	I ₂	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 504 ...	Article no. 74 503 ...
HSK T63 DCLN R/L 12	HSK-T 63	70	42	53	45	100	CN.. 1204	512	512
HSK T63 DCLN R/L 16	HSK-T 63	70	42	53	45	125	CN.. 1606	516	516
HSK T63 DCLN R/L 19	HSK-T 63	70	42	53	45	125	CN.. 1906	519	519
HSK T100 DCLN R/L 12	HSK-T 100	80	45	88	55	125	CN.. 1204	712	712
HSK T100 DCLN R/L 19	HSK-T 100	80	45	88	55	125	CN.. 1906	719	719

Spare parts

for Article no.

	Article no. 70 950 ...	Article no. 80 950 ...	Article no. 70 950 ...	Article no. 70 950 ...
74 504 512 / 74 503 512	824	T15 - IP	128	M4,5x12 - IP
74 504 516 / 74 503 516	825	T20 - IP	129	M5x14 - IP
74 504 519 / 74 503 519	826	T20 - IP	129	M5x14 - IP
74 504 712 / 74 503 712	824	T15 - IP	128	M4,5x12 - IP
74 504 719 / 74 503 719	826	T20 - IP	129	M5x14 - IP



XPress type

Article no.
70 950 ...

Key D

Article no.
80 950 ...

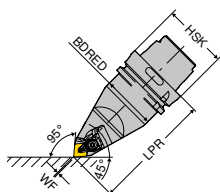
Clamping screw

Article no.
70 950 ...

Carbide type C

Article no.
70 950 ...

MaxiLock-D – DCMN 95° – Toolholder with top clamping

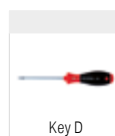


Neutral

ISO designation	Adapter	LPR	BDRED	WF	Insert	Neutral
						Article no. 74 506 ...
HSK T63 DCMN N 12	HSK-T 63	115	53	0	CN.. 1204	512
HSK T100 DCMN N 12	HSK-T 100	150	88	0	CN.. 1204	712



XPress type

Article no.
70 950 ...

Key D

Article no.
80 950 ...

Clamping screw

Article no.
70 950 ...

Carbide type C

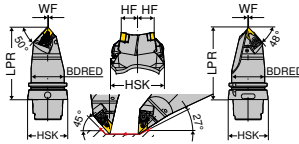
Article no.
70 950 ...

Spare parts

for Article no.

	Article no. 70 950 ...	Article no. 80 950 ...	Article no. 70 950 ...	Article no. 70 950 ...
74 506 512	824	T15 - IP	128	M4,5x12 - IP
74 506 712	824	T15 - IP	128	M4,5x12 - IP

MaxiLock-D – DCMN + DDMN – Toolholder with top clamping



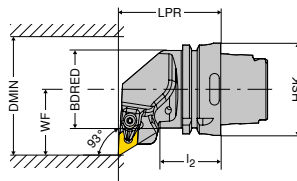
Neutral

ISO designation	Adapter	LPR	BDRED	WF	HF	Insert	Article no. 74 600 ...
		mm	mm	mm	mm		
HSK T63 DCMN L 12 + DDMN L 15	HSK-T 63	115	53	0,5	20	CN.. 1204 / DN.. 1506	501
HSK T100 DCMN L 12 + DDMN L 15	HSK-T 100	150	88	0,5	20	CN.. 1204 / DN.. 1506	701

i Face turning maximum 78 mm

							
	XPress type	Key D	Clamping screw	Solid Carbide Seat D	Carbide type C		
Spare parts	Article no. 70 950 ...	Article no. 80 950 ...	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...		
for Article no.							
74 600 501	824	T15 - IP	128	M4,5x12 - IP	820	811	810
74 600 701	824	T15 - IP	128	M4,5x12 - IP	820	811	810

MaxiLock-D – DDUN 93° – Toolholder with top clamping

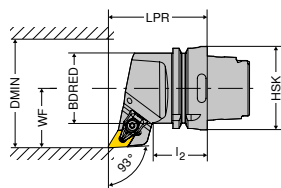


Illustrations show right-hand versions

ISO designation	Adapter	LPR	BDRED	WF	DMN	Insert	Left-hand Article no. 74 516 ...	Right-hand Article no. 74 515 ...
		mm	mm	mm	mm			
HSK T63 DDUN R/L 15	HSK-T 63	70	53	45	125	DN.. 1506	515	515
HSK T100 DDUN R/L 15	HSK-T 100	80	88	55	125	DN.. 1506	715	715

	 XPress type	 Key D	 Clamping screw	 Solid Carbide Seat D		
Spare parts	Article no. 70 950 ...	Article no. 80 950 ...	Article no. 70 950 ...	Article no. 70 950 ...		
for Article no.						
74 516 515 / 74 515 515	824	T15 - IP	128	M4,5x12 - IP	820	811
74 516 715 / 74 515 715	824	T15 - IP	128	M4,5x12 - IP	820	811

MaxiLock-D – DDJN 93° – Toolholder with top clamping



Illustrations show right-hand versions

ISO designation	Adapter	LPR	I ₂	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 512 ...	Article no. 74 511 ...
HSK T63 DDJN R/L 15	HSK-T 63	75	42	53	45	125	DN.. 1506	515	515
HSK T100 DDJN R/L 15	HSK-T 100	85	45	88	55	125	DN.. 1506	715	715

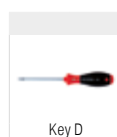
Spare parts

for Article no.

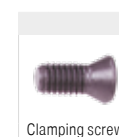
74 512 515 / 74 511 515	824	T15 - IP	128	M4,5x12 - IP	820	811
74 512 715 / 74 511 715	824	T15 - IP	128	M4,5x12 - IP	820	811



XPress type

Article no.
70 950 ...

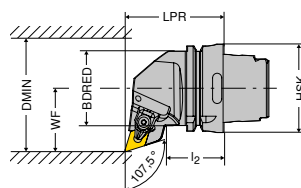
Key D

Article no.
80 950 ...

Clamping screw

Article no.
70 950 ...Solid Carbide
Seat DArticle no.
70 950 ...

MaxiLock-D – DDHN 107.5° – Toolholder with top clamping



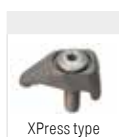
Illustrations show right-hand versions

ISO designation	Adapter	LPR	I ₂	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 508 ...	Article no. 74 507 ...
HSK T63 DDHN R/L 15	HSK-T 63	70	42	53	45	125	DN.. 1506	515	515

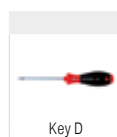
Spare parts

for Article no.

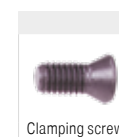
74 508 515 / 74 507 515	824	T15 - IP	128	M4,5x12 - IP	820	811
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XPress type

Article no.
70 950 ...

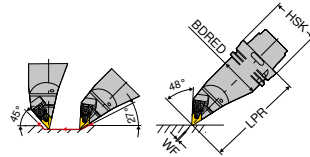
Key D

Article no.
80 950 ...

Clamping screw

Article no.
70 950 ...Solid Carbide
Seat DArticle no.
70 950 ...

MaxiLock-D – DDMN 48° – Toolholder with top clamping



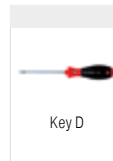
Left-hand

ISO designation	Adapter	LPR	BDRED	WF	Insert	Article no. 74 519 ...
		mm	mm	mm		
HSK T63 DDMN L 15	HSK-T 63	130	53	0	DN.. 1506	515
HSK T100 DDMN L 15	HSK-T 100	160	88	0	DN.. 1506	715

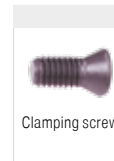
Spare parts

for Article no.

74 519 515	824	T15 - IP	128	M4,5x12 - IP	820	811
74 519 715	824	T15 - IP	128	M4,5x12 - IP	820	811

Article no.
70 950 ...

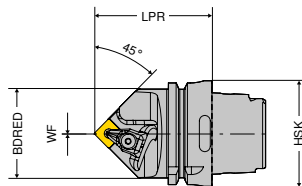
Key D

Article no.
80 950 ...

Clamping screw

Article no.
70 950 ...Solid Carbide
Seat DArticle no.
70 950 ...

MaxiLock-D – DSDN 45° – Toolholder with top clamping



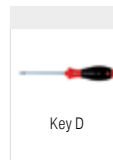
Neutral

ISO designation	Adapter	LPR	BDRED	WF	Insert	Article no. 74 522 ...
		mm	mm	mm		
HSK T63 DSDN N 12	HSK-T 63	70	53	0	SN.. 1204	512
HSK T63 DSDN N 15	HSK-T 63	75	53	0	SN.. 1506	515
HSK T100 DSDN N 12	HSK-T 100	80	88	0	SN.. 1204	712
HSK T100 DSDN N 19	HSK-T 100	85	88	0	SN.. 1906	719

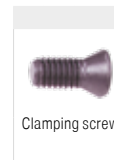
Spare parts

for Article no.

74 522 512	824	T15 - IP	128	M4,5x12 - IP	820	813
74 522 515	825	T20 - IP	129	M5x14 - IP	821	833
74 522 712	824	T15 - IP	128	M4,5x12 - IP	820	813
74 522 719	826	T20 - IP	129	M5x14 - IP	821	817

Article no.
70 950 ...

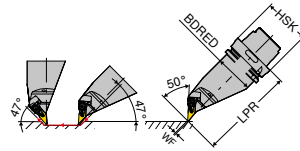
Key D

Article no.
80 950 ...

Clamping screw

Article no.
70 950 ...Solid Carbide
support SArticle no.
70 950 ...

MaxiLock-D – DVMN 50° – Toolholder with top clamping



Left-hand

ISO designation	Adapter	LPR	BDRED	WF	Insert	Article no. 74 525 ...
		mm	mm	mm		
HSK T63 DVMN L 16	HSK-T 63	130	53	0	VN.. 1604	516
HSK T100 DVMN L 16	HSK-T 100	160	88	0	VN.. 1604	716

Spare parts

for Article no.

74 525 516	835	T09 - IP	126	M3x7 - IP	819	806
74 525 716	835	T09 - IP	126	M3x7 - IP	819	806



XPress type

Article no.
70 950 ...

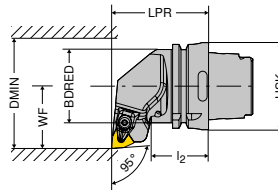
Key D

Article no.
80 950 ...

Clamping screw

Article no.
70 950 ...Solid Carbide
Seat VArticle no.
70 950 ...

MaxiLock-D – DWLN 95° – Toolholder with top clamping



Illustrations show right-hand versions

Left-hand

Right-hand

ISO designation	Adapter	LPR	l_2	BDRED	WF	DMIN	Insert	Article no. 74 529 ...	Article no. 74 528 ...
		mm	mm	mm	mm	mm			
HSK T63 DWLN R/L 08	HSK-T 63	70	42	53	45	125	WN.. 0804	508	508
HSK T100 DWLN R/L 08	HSK-T 100	80	45	88	55	125	WN.. 0804	708	708

Spare parts

for Article no.

74 529 508 / 74 528 508	824	T15 - IP	128	M4,5x12 - IP	820	812
74 529 708 / 74 528 708	824	T15 - IP	128	M4,5x12 - IP	820	812



XPress type

Article no.
70 950 ...

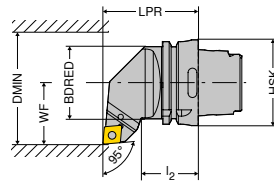
Key D

Article no.
80 950 ...

Clamping screw

Article no.
70 950 ...Solid Carbide
Seat WArticle no.
70 950 ...

MaxiLock-S – SCLC 95° – Toolholder with screw clamping



Illustrations show right-hand versions

ISO designation	Adapter	LPR	I ₂	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 541 ...	Article no. 74 540 ...
HSK T63 SCLC R/L 12	HSK-T 63	70	42	53	45	100	CC.. 1204	512	512

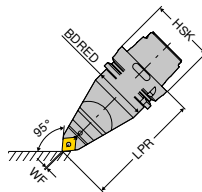
Spare parts

for Article no.

74 541 512 / 74 540 512

			
Combination Key	Clamping screw	Carbide type C	Threaded sleeve
Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...
T15/SW	M4,5x12	M4,5	
398	114	166	170

MaxiLock-S – SCMC 50° – Toolholder with screw clamping



ISO designation	Adapter	LPR	BDRED	WF	Insert	Neutral
						Article no. 74 542 ...
HSK T63 SCMC N 12	HSK-T 63	115	53	0	CC.. 1204	512

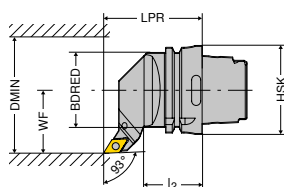
Spare parts

for Article no.

74 542 512

			
Combination Key	Clamping screw	Carbide type C	Threaded sleeve
Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...
T15/SW	M4,5x12	M4,5	
398	114	166	170

MaxiLock-S – SDJC 93° – Toolholder with screw clamping



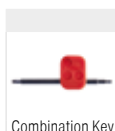
Illustrations show right-hand versions

ISO designation	Adapter	LPR	I ₂	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 544 ...	Article no. 74 543 ...
HSK T63 SDJC R/L 11	HSK-T 63	70	42	53	45	100	DC.. 11T3	511	511

Spare parts

for Article no.

74 544 511 / 74 543 511

Article no.
70 950 ...

398

Article no.
70 950 ...

113

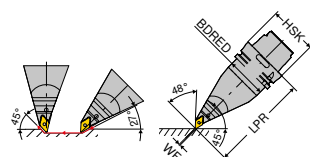
Article no.
70 950 ...

106

Article no.
70 950 ...

171

MaxiLock-S – SDMC 48° – Toolholder with screw clamping



Left-hand

ISO designation	Adapter	LPR	BDRED	WF	Insert	Left-hand
						Article no. 74 546 ...
HSK T63 SDMC L 11	HSK-T 63	130	53	0	DC.. 11T3	511

Spare parts

for Article no.

74 546 511

Article no.
70 950 ...

398

Article no.
70 950 ...

113

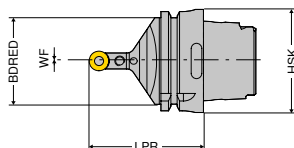
Article no.
70 950 ...

106

Article no.
70 950 ...

171

MaxiLock-N – PRDC 0° – Toolholder with lever clamping



Neutral

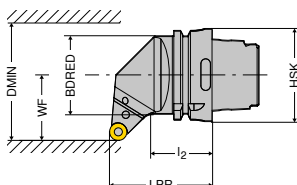
ISO designation	Adapter	LPR	BDRED	WF	Insert	Article no. 74 548 ...
		mm	mm	mm		
HSK T63 PRDC N 12	HSK-T 63	70	53	0	RC.. 1204 M0	512
HSK T100 PRDC N 12	HSK-T 100	80	88	0	RC.. 1204 M0	712
HSK T100 PRDC N 16	HSK-T 100	80	88	0	RC.. 1606 M0	716

Spare parts

for Article no.

	Key I	Shim	Assembly pin	Lever	Clamping screw	Solid carbide support R
	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...
74 548 512						
74 548 712						
74 548 716						

MaxiLock-N – PRSC – Toolholder with lever clamping



Illustrations show right-hand versions

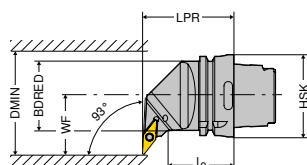
ISO designation	Adapter	LPR	I ₂	BDRED	WF	DMIN	Insert	Left-hand Article no. 74 552 ...	Right-hand Article no. 74 551 ...
		mm	mm	mm	mm	mm			
HSK T63 PRSC R/L 12	HSK-T 63	70	44	53	45	100	RC.. 1204 M0	512	512
HSK T100 PRSC R/L 12	HSK-T 100	80	57	88	55	106	RC.. 1204 M0	712	712
HSK T100 PRSC R/L 16	HSK-T 100	80	55	88	55	125	RC.. 1606 M0	716	716

Spare parts

for Article no.

	Key I	Shim	Assembly pin	Lever	Clamping screw	Solid carbide support R
	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...
74 552 512 / 74 551 512						
74 552 712 / 74 551 712						
74 552 716 / 74 551 716						

MaxiLock-S – SVUC 93° – Toolholder with screw clamping



Illustrations show right-hand versions

ISO designation	Adapter	LPR	I ₂	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 557 ...	Article no. 74 558 ...
HSK T63 SVUC R/L 16	HSK-T 63	70	42	53	45	100	VC.. 1604	516	516

Spare parts

for Article no.

74 557 516 / 74 558 516

Combination Key

Article no.
70 950 ...

398

Clamping screw

Article no.
70 950 ...

113

Solid Carbide
Seat VArticle no.
70 950 ...

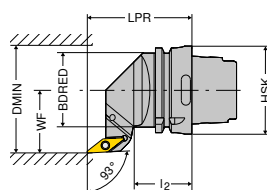
107

Threaded sleeve

Article no.
70 950 ...

171

MaxiLock-S – SVJC 93° – Toolholder with screw clamping



Illustrations show right-hand versions

ISO designation	Adapter	LPR	I ₂	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 556 ...	Article no. 74 555 ...
HSK T63 SVJC R/L 16	HSK-T 63	75	42	53	45	100	VC.. 1604	516	516

Spare parts

for Article no.

74 556 516 / 74 555 516

Combination Key

Article no.
70 950 ...

398

Clamping screw

Article no.
70 950 ...

113

Solid Carbide
Seat VArticle no.
70 950 ...

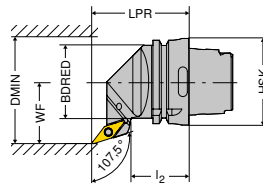
107

Threaded sleeve

Article no.
70 950 ...

171

MaxiLock-S – SVHC 107.5° – Toolholder with screw clamping



Illustrations show right-hand versions

ISO designation	Adapter	LPR	I ₂	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 554 ...	Article no. 74 553 ...
HSK T63 SVHC R/L 16	HSK-T 63	70	42	53	45	100	VC.. 1604	516	516

Spare parts

for Article no.

74 554 516 / 74 553 516

Combination Key

Article no.
70 950 ...

398

Clamping screw

Article no.
70 950 ...

113

Solid Carbide
Seat VArticle no.
70 950 ...

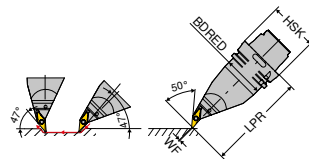
107

Threaded sleeve

Article no.
70 950 ...

171

MaxiLock-S – SVMC 50° – Toolholder with screw clamping



Left-hand

ISO designation	Adapter	LPR	BDRED	WF	Insert	Left-hand
						Article no. 74 560 ...
HSK T63 SVMC L 16	HSK-T 63	130	53	0	VC.. 1604	516

Spare parts

for Article no.

74 560 516

Combination Key

Article no.
70 950 ...

398

Clamping screw

Article no.
70 950 ...

113

Solid Carbide
Seat VArticle no.
70 950 ...

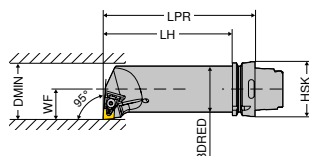
107

Threaded sleeve

Article no.
70 950 ...

171

MaxiLock-D – DCLN 95° – Boring bar with top clamping



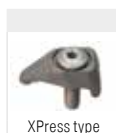
Illustrations show right-hand versions

ISO designation	Adapter	LPR	LH	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 529 ...	Article no. 74 528 ...
HSK T63 50Q DCLN R/L 12	HSK-T 63	175	149	50	35	63	CN.. 1204	512	512

Spare parts

for Article no.

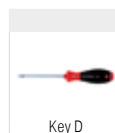
74 529 512 / 74 528 512



XPress type

Article no.
70 950 ...

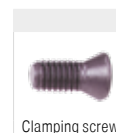
824



Key D

Article no.
80 950 ...

128



Clamping screw

Article no.
70 950 ...

820

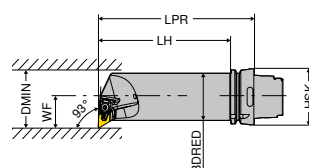


Carbide type C

Article no.
70 950 ...

810

MaxiLock-D – DDUN 93° – Boring bar with top clamping



Illustrations show right-hand versions

ISO designation	Adapter	LPR	LH	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 533 ...	Article no. 74 532 ...
HSK T63 50Q DDUN R/L 15	HSK-T 63	175	149	50	35	63	DN.. 1506	515	515

Spare parts

for Article no.

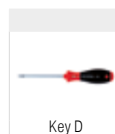
74 533 515 / 74 532 515



XPress type

Article no.
70 950 ...

824



Key D

Article no.
80 950 ...

128



Clamping screw

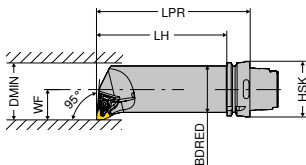
Article no.
70 950 ...

820

Solid Carbide
Seat DArticle no.
70 950 ...

811

MaxiLock-D – DWLN 95° – Boring bar with top clamping



Illustrations show right-hand versions

ISO designation	Adapter	LPR	LH	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 537 ...	Article no. 74 536 ...
HSK T63 50Q DWLN R/L 08	HSK-T 63	175	149	50	35	63	WN.. 0804	508	508

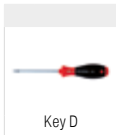
Spare parts

for Article no.							
74 537 508 / 74 536 508	824	T15 - IP	128	M4,5x12 - IP	820	812	



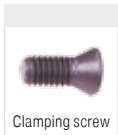
XPress type

Article no.
70 950 ...



Key D

Article no.
80 950 ...



Clamping screw

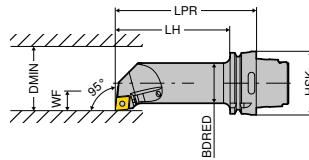
Article no.
70 950 ...



Solid Carbide
Seat W

Article no.
70 950 ...

MaxiLock-S – SCLC 95° – Boring bar with screw clamping



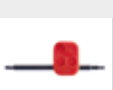
Illustrations show right-hand versions

ISO designation	Adapter	LPR	LH	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 564 ...	Article no. 74 563 ...
HSK T63 40L SCLC R/L 12	HSK-T 63	140	114	40	27	50	CC.. 1204	512	512

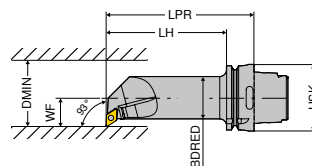
Spare parts

for Article no.

74 564 512 / 74 563 512

			
Combination Key	Clamping screw	Carbide type C	Threaded sleeve
Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...
398	114	166	170

MaxiLock-S – SDUC 93° – Boring bar with screw clamping



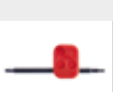
Illustrations show right-hand versions

ISO designation	Adapter	LPR	LH	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 566 ...	Article no. 74 565 ...
HSK T63 40L SDUC R/L 11	HSK-T 63	140	114	40	27	50	DC.. 11T3	511	511

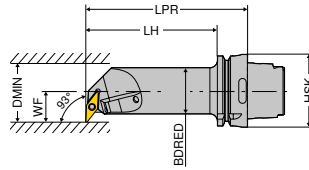
Spare parts

for Article no.

74 566 511 / 74 565 511

			
Combination Key	Clamping screw	Solid Carbide Seat D	Threaded sleeve
Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...
398	113	106	171

MaxiLock-S – SVUC 93° – Boring bar with screw clamping



Illustrations show right-hand versions

ISO designation	Adapter	LPR	LH	BDRED	WF	DMIN	Insert	Left-hand	Right-hand
								Article no. 74 568 ...	Article no. 74 567 ...
HSK T63 40L SVUC R/L 16	HSK-T 63	140	114	40	27	50	VC.. 1604	516	516

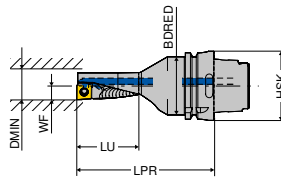
Spare parts

for Article no.

74 568 516 / 74 567 516

			
Combination Key	Clamping screw	Solid Carbide Seat V	Threaded sleeve
Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...	Article no. 70 950 ...
T15/SW	M3,5x11	M3,5	M3,5
398	113	107	171

EcoCut – HSK-T 2.25xD



Illustrations show right-hand versions

ISO designation	Adapter	LPR	LU	BDRED	WF	DMIN	Left-hand	Right-hand
							Article no. 74 591 ...	Article no. 74 590 ...
HSK T63 EC 25 R/L 2,25D 13	HSK-T 63	125	56,5	53	12,5	25	525	525
HSK T63 EC 32 R/L 2,25D 17	HSK-T 63	125	72,0	53	16,0	32	532	532

Spare parts

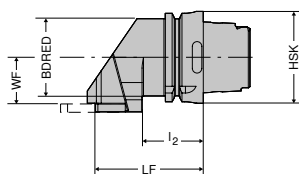
for Article no.

74 590 525 / 74 591 525

74 590 532 / 74 591 532

	
Key D	Clamping screw
Article no. 80 950 ...	Article no. 70 950 ...
114	280
114	280

ModularClamp MSS – HSK - T Base Holder 0°



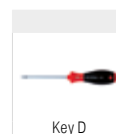
Illustrations show right-hand versions

ISO designation	Adapter	LF mm	I ₂ mm	BDRED mm	WF mm	for Grooving Module	Left-hand Article no. 74 581 ...	Right-hand Article no. 74 580 ...
HSK T63 E25 R/L 00	HSK-T 63	67	42	53	38,7	E25 R/L...	525	525
HSK T63 E32 R/L 00	HSK-T 63	74	42	53	38,7	E32 R/L...	532	532
HSK T100 E32 R/L 00	HSK-T 100	77	45	88	48,7	E32 R/L...	732	732
HSK T100 E25 R/L 00	HSK-T 100	100	45	88	48,7	E25 R/L...	725	725

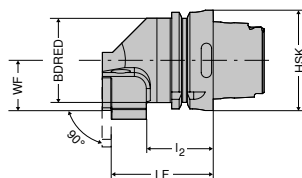
Spare parts

for Article no.

	Article no. 70 950 ...	Article no. 80 950 ...	Article no. 70 950 ...
74 581 525 / 74 580 525	SD 12 x 8	850	T20
74 581 532 / 74 580 532	SD 12 x 8	850	T25
74 581 732 / 74 580 732	SD 12 x 8	850	T25
74 581 725 / 74 580 725	SD 12 x 8	850	T20



ModularClamp MSS – 90° HSK - T Base Holder



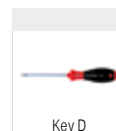
Illustrations show right-hand versions

ISO designation	Adapter	LF mm	I ₂ mm	BDRED mm	WF mm	for Grooving Module	Left-hand Article no. 74 583 ...	Right-hand Article no. 74 582 ...
HSK T63 E32 R/L 90	HSK-T 63	63,7	42	53	31,5	E32 R/L...	532	532
HSK T100 E32 R/L 90	HSK-T 100	73,7	45	88	50,0	E32 R/L...	732	732

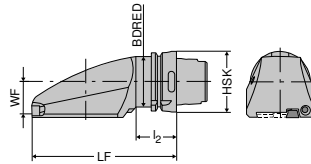
Spare parts

for Article no.

	Article no. 70 950 ...	Article no. 80 950 ...	Article no. 70 950 ...
74 582 532 / 74 583 532	SD 12 x 8	850	T25
74 582 732 / 74 583 732	SD 12 x 8	850	T25



MonoClamp – HSK-T Blade Holder GX/LX/FX/SX



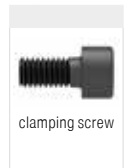
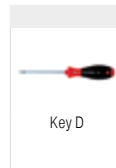
Illustrations show right-hand versions

ISO designation	Adapter	LF mm	l ₂ mm	BDRED mm	WF mm	for parting blades	Left-hand	Right-hand
							Article no. 74 585 ...	Article no. 74 584 ...
HSK T63 XCLCF 32 R/L 00	HSK-T 63	150	42	53	32	XLCF R/L 32...	532	532
HSK T100 XCLCF 32 R/L 00	HSK-T 100	160	45	88	45	XLCF R/L 32...	732	732

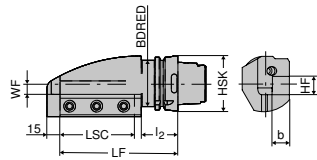
Spare parts

for Article no.

	Article no. 70 950 ...	Article no. 80 950 ...	Article no. 70 950 ...	Article no. 70 950 ...
74 584 532 / 74 585 532	SD 10 x 7 849	T25 115	860	M6x12 861
74 584 732 / 74 585 732	SD 10 x 7 849	T25 115	860	M6x12 861



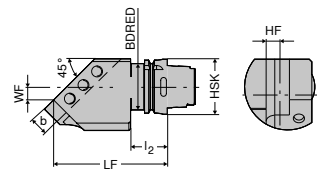
HSK-T square shank adapter 0°



Illustrations show right-hand versions

ISO designation	Adapter	LF	l ₂	BDRED	WF	LSC	b	HF	Left-hand	Right-hand
									Article no. 74 571 ...	Article no. 74 570 ...
HSK T63 SH R/L 00 2525	HSK-T 63	135	42	53	13	85,5	25	25	525	532
HSK T100 SH R/L 00 3232	HSK-T 100	145	45	88	15	87,5	32	32	725	732

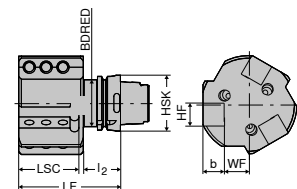
HSK-T square shank adapter 45°



Illustrations show right-hand versions

ISO designation	Adapter	LF	l ₂	BDRED	WF	b	HF	Left-hand	Right-hand
								Article no. 74 573 ...	Article no. 74 572 ...
HSK T63 SH R/L 45 2525	HSK-T 63	140	42	53	15	25	25	525	525
HSK T100 SH R/L 45 3232	HSK-T 100	160	45	88	20	32	32	732	732

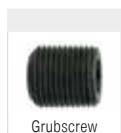
HSK-T square shank adapter 3-face 0°



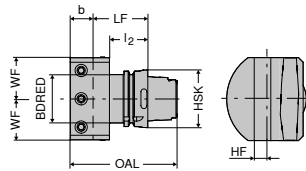
ISO designation	Adapter	LF	l ₂	BDRED	WF	LSC	b	HF	Left-hand
									Article no. 74 576 ...
HSK T63 SH3 L 00 2525	HSK-T 63	115	42	53	28	68	25	25	525
HSK T100 SH3 L 00 2525	HSK-T 100	120	45	88	33	70	25	25	725

Spare parts

Adapter		Article no. 70 950 ...	Article no. 70 950 ...
HSK-T 100	SD 12 x 8	850	M12x1,75x25 851
HSK-T 63	SD 12 x 8	850	M12x1,75x25 851



HSK-T square shank adapter 90°



Neutral

ISO designation	Adapter	LF	l ₂	BDRED	WF	OAL	HF	b	Article no. 74 575 ...
HSK T63 SH N 90 2525	HSK-T 63	60	42	53	45	85	25	25	525
HSK T100 SH N 90 3232	HSK-T 100	58	45	88	50	90	32	32	732

Spare parts

for Article no.

74 575 525	SD 10 x 7	849	M12x1,75x25	851
74 575 732	SD 12 x 8	850	M12x1,75x25	851



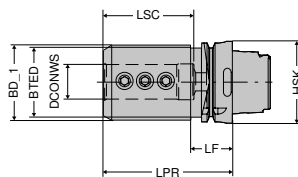
Nozzle



Grubscrew

Article no.
70 950 ...Article no.
70 950 ...

HSK-T Boring bar holder



ISO designation	Adapter	LPR	DCONWS	BD_1	LSC	LF	BTED	Article no. 74 577 ...
HSK T63 BH08 80	HSK-T 63	80	8	32	41			508
HSK T63 BH10 80	HSK-T 63	80	10	40	41			510
HSK T63 BH12 80	HSK-T 63	80	12	40	41			512
HSK T63 BH16 80	HSK-T 63	80	16	40	51			516
HSK T63 BH20 80	HSK-T 63	80	20	50	51			520
HSK T63 BH25 90	HSK-T 63	90	25	53	61			525
HSK T63 BH32 95	HSK-T 63	95	32	68	61	42	53	532
HSK T100 BH20 90	HSK-T 100	90	20	55	56			720
HSK T100 BH25 95	HSK-T 100	95	25	55	61			725
HSK T100 BH32 110	HSK-T 100	110	32	68	61			732
HSK T100 BH40 120	HSK-T 100	120	40	83	81			740
HSK T100 BH50 125	HSK-T 100	125	50	98	91	45	88	750

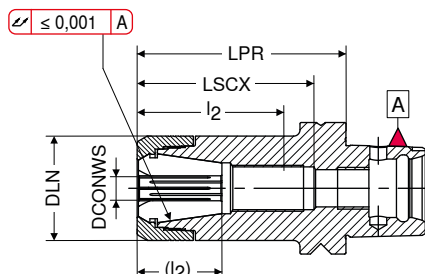
ER Precision Collet chuck

- ▲ For standard or sealed nuts
- ▲ Maximum size collet to ISO tolerance field H10
- ▲ For clamping a roll key is required
- ▲ $p_{\max} = 80$ bar

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P

AD
G 2,5 $n_{\max}$ 25000

Adapter	DCONWS	LPR	DLN	LSCX	l_2 (l_2)	for collet	Article no. 84 112 ...
	mm	mm	mm	mm	mm		
PSC 40	1 - 10	55	30	47	29 - 38	426E (ER16)	402
PSC 40	1 - 13	55	32	44		428E (ER20)	406
PSC 50	1 - 10	60	30	47	29 - 38	426E (ER16)	501
PSC 50	1 - 10	100	30	87	29 - 51 (29 - 37)	426E (ER16)	502
PSC 50	1 - 16	60	40	48		430E (ER25)	505
PSC 50	2 - 20	60	50	49		470E (ER32)	507
PSC 63	1 - 10	60	30	44		426E (ER16)	601
PSC 63	1 - 10	100	30	83	29 - 53 (25 - 39)	426E (ER16)	602
PSC 63	1 - 13	60	32	44		428E (ER20)	603
PSC 63	1 - 13	100	32	84	33 - 59	428E (ER20)	604
PSC 63	1 - 16	60	40	38		430E (ER25)	605
PSC 63	1 - 16	100	40	78	36 - 62 (30 - 45)	430E (ER25)	606
PSC 63	1 - 16	130	40	99	34 - 70 (30 - 50)	430E (ER25)	607
PSC 63	1 - 16	160	40	118	34 - 70 (30 - 50)	430E (ER25)	608
PSC 63	2 - 20	60	50	42		470E (ER32)	609
PSC 63	2 - 20	100	50	79	45 - 63 (25 - 45)	470E (ER32)	610
PSC 63	2 - 20	130	50	99	45 - 63 (25 - 53)	470E (ER32)	611
PSC 63	3 - 26	65	63	51		472E (ER40)	612
PSC 63	3 - 26	100	63	86	46 - 50	472E (ER40)	613
PSC 80	2 - 20	100	50	86	41 - 63 (27 - 45)	470E (ER32)	804
PSC 80	3 - 26	100	63	86	47 - 55	472E (ER40)	808

→ Transmittable torque moments, Page 233

- i** LSCX = Clamping depth without back stop screw for shanks
 l_2 = With back stop screw 1, Dimension in brackets () = With back stop screw 2
 Dimension LPR when using tightening nuts with seals 4 mm longer

Spare parts

for collet

426E (ER16)	011	001	M11x1 - SW6	341	M11x1 - SW6	337
428E (ER20)	012	002			M14x1 - SW6	369
430E (ER25)	013	003	M18x1,5 - SW6	432	M18x1,5 - SW6	431
470E (ER32)	015	005	M22x1,5 - SW6	402	M22x1,5 - SW6	401
472E (ER40)	017	007			M28x1,5 - SW6	400

Lock nut IK

Lock nut

Stop screw 2

Stop screw 1

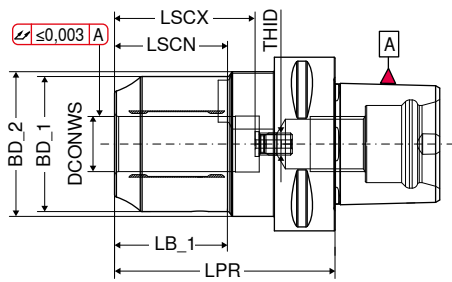
Article no.
84 950 ...Article no.
84 950 ...Article no.
83 950 ...Article no.
83 950 ...

High pressure chuck, short and stable version

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Base body with backstop screw and pressure screw



AD
G 2,5 n_{max} 25000

Article no.
84 108 ...

62000

Adapter	DCONWS	LPR	LB_1	BD_1	BD_2	LSCX	LSCN	THID
	mm	mm	mm	mm	mm	mm	mm	
PSC 63	20	80	41	49	52,5	51	41	M8x1

→ Min. clamping depth, Page 233

i LSCX = Maximum insertion depth
LSCN = Minimum insertion depth



Cylindrical screw



Clamping key - T



Pressure screw



Stop screw IK

Spare parts

for Article no.
84 108 62000

Article no. 83 950 ...	Article no. 80 397 ...	Article no. 83 950 ...	Article no. 83 950 ...
157	050	429	424
M5x5 - SW2,5	SW5	M10x1x14	M16x1x13,5 - SW8

Accessories



Reduction sleeve

→ 17|32



Coolant transfer pipe

→ 173



Others

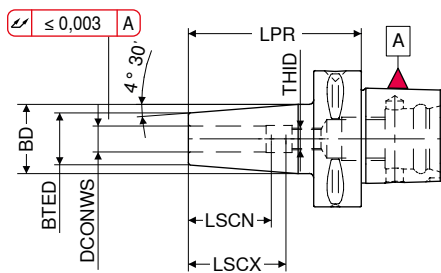
→ 17|34

Shrink adapters

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Holder **without** IK back stop screw



AD
G 6,3 n_{max} 15000



AD
G 6,3 n_{max} 15000



AD
G 6,3 n_{max} 15000

	Adapter	LPR	DCONWS	BTED	BD	LSCX	LSCN	THID	Article no. 84 104 ...	Article no. 84 105 ...	Article no. 84 106 ...
		mm	mm	mm	mm	mm	mm				
short	PSC 32	65	6	21	27	36	26	M5	306		
	PSC 32	65	8	21	27	36	26	M6	308		
	PSC 32	70	10	24	32	41	31	M8x1	310		
	PSC 32	75	12	24	32	47	37	M10x1	312		
	PSC 40	75	6	21	27	36	26	M5	406		
	PSC 40	75	8	21	27	36	26	M6	408		
	PSC 40	75	10	24	32	41	31	M8x1	410		
	PSC 40	75	12	24	32	47	37	M10x1	412		
	PSC 40	80	14	27	34	47	37	M10x1	414		
	PSC 40	80	16	27	34	50	40	M12x1	416		
	PSC 40	80	18	33	42	50	40	M12x1	418		
	PSC 40	85	20	33	42	52	42	M16x1	420		
	PSC 50	65	3	12	17				503		
	PSC 50	65	4	12	17				504		
	PSC 50	65	5	12	17				505		
	PSC 50	75	6	21	30	36	26	M5	506		
	PSC 50	75	8	21	30	36	26	M6	508		
	PSC 50	75	10	24	33	41	31	M8x1	510		
	PSC 50	75	12	24	33	47	37	M10x1	512		
	PSC 50	80	14	27	34	47	37	M10x1	514		
	PSC 50	80	16	27	34	50	40	M12x1	516		
	PSC 50	80	18	33	42	50	40	M12x1	518		
	PSC 50	85	20	33	42	52	42	M16x1	520		
	PSC 50	90	25	44	53	58	48	M16x1	525		
long	PSC 50	120	6	21	32	36	26	M5		506	
	PSC 50	120	8	21	32	36	26	M6		508	
	PSC 50	120	10	24	34	41	31	M8x1		510	
	PSC 50	120	12	24	34	47	37	M10x1		512	
	PSC 50	120	14	27	36	47	37	M10x1		514	
	PSC 50	120	16	27	36	50	40	M12x1		516	
	PSC 50	120	18	33	42	50	40	M12x1		518	
	PSC 50	120	20	33	42	52	42	M16x1		520	
	PSC 50	120	25	44	53	58	48	M16x1		525	
short	PSC 63	80	3	12	17				603		
	PSC 63	80	4	12	17				604		
	PSC 63	80	5	12	17				605		
	PSC 63	80	6	21	27	36	26	M5	606		
	PSC 63	80	8	21	27	36	26	M6	608		
	PSC 63	80	10	24	32	41	31	M8x1	610		
	PSC 63	80	12	24	32	47	37	M10x1	612		
	PSC 63	85	14	27	34	47	37	M10x1	614		
	PSC 63	85	16	27	34	50	40	M12x1	616		
	PSC 63	85	18	33	42	50	40	M12x1	618		
	PSC 63	85	20	33	42	52	42	M16x1	620		
	PSC 63	90	25	44	53	58	48	M16x1	625		
	PSC 63	95	32	44	53	61	51	M16x1	632		
	PSC 63	120	6	21	32	36	26	M5		606	
long	PSC 63	120	8	21	32	36	26	M6		608	
	PSC 63	120	10	24	32	41	31	M8x1		610	
	PSC 63	120	12	24	32	47	37	M10x1		612	
	PSC 63	120	14	27	36	47	37	M10x1		614	
	PSC 63	120	16	27	36	50	40	M12x1		616	
	PSC 63	120	18	33	44	50	40	M12x1		618	
	PSC 63	120	20	33	44	52	42	M16x1		620	
	PSC 63	120	25	44	53	58	48	M16x1		625	
	PSC 63	120	32	44	53	61	51	M16x1		632	
	PSC 63	120									

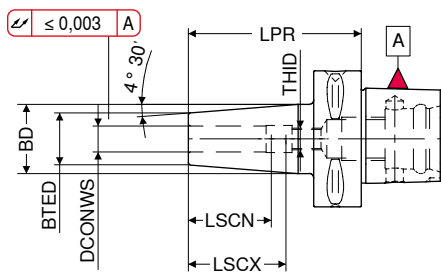
→ Min. clamping depth, Page 233

Shrink adapters

▲ For solid carbide and HSS shanks with h6 tolerance or better

Scope of supply:

Holder **without** IK back stop screw



AD
G 6,3 n_{max} 15000



AD
G 6,3 n_{max} 15000



AD
G 6,3 n_{max} 15000

	Adapter	LPR	DCONWS	BTED	BD	LSCX	LSCN	THID	Article no. 84 104 ...	Article no. 84 105 ...	Article no. 84 106 ...
		mm	mm	mm	mm	mm	mm				
extra-long	PSC 63	160	6	21	32	36	26	M5			606
	PSC 63	160	8	21	32	36	26	M6			608
	PSC 63	160	10	24	34	41	31	M8x1			610
	PSC 63	160	12	24	34	47	37	M10x1			612
	PSC 63	160	14	27	36	47	37	M10x1			614
	PSC 63	160	16	27	36	50	40	M12x1			616
	PSC 63	160	18	33	44	50	40	M12x1			618
	PSC 63	160	20	33	44	52	42	M16x1			620
	PSC 63	160	25	44	53	58	48	M16x1			625
	PSC 63	160	32	44	53	61	51	M16x1			632
short	PSC 80	85	6	21	27	36	26	M5	806		
	PSC 80	85	8	21	27	36	26	M6	808		
	PSC 80	85	10	24	32	41	31	M8x1	810		
	PSC 80	85	12	24	32	47	37	M10x1	812		
	PSC 80	90	14	27	34	47	37	M10x1	814		
	PSC 80	90	16	27	34	50	40	M12x1	816		
	PSC 80	90	18	33	42	50	40	M12x1	818		
	PSC 80	90	20	33	42	52	42	M16x1	820		
	PSC 80	95	25	44	53	58	48	M16x1	825		
	PSC 80	100	32	44	53	61	51	M16x1	832		
long	PSC 80	120	6	21	32	36	26	M5		806	
	PSC 80	120	8	21	32	36	26	M6		808	
	PSC 80	120	10	24	34	41	31	M8x1		810	
	PSC 80	120	12	24	34	47	37	M10x1		812	
	PSC 80	120	14	27	36	47	37	M10x1		814	
	PSC 80	120	16	27	36	50	40	M12x1		816	
	PSC 80	120	18	33	44	50	40	M12x1		818	
	PSC 80	120	20	33	44	52	42	M16x1		820	
	PSC 80	120	25	44	53	58	48	M16x1		825	
	PSC 80	120	32	44	53	61	51	M16x1		832	

→ Min. clamping depth, Page 233

Spare parts DCONWS

6	140
8	141
10	142
12 - 14	143
16 - 18	144
20 - 32	145

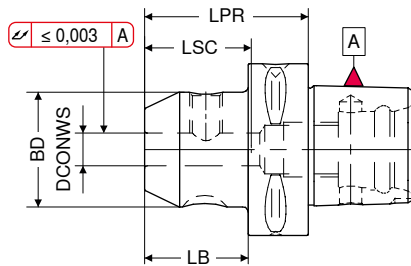


Backstop
screw IK

Article no.
84 950 ...

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat



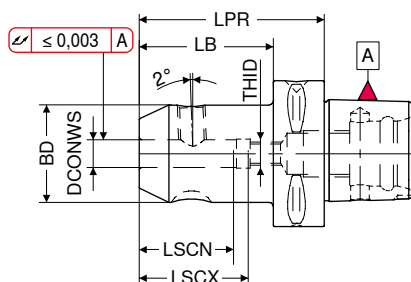
AD
G 6,3 n_{max} 15000

Article no.
84 100 ...

Adapter	DCONWS	LPR	BD	LB	LSC	
	mm	mm	mm	mm	mm	
PSC 32	6	45	25	30	35	306
PSC 32	8	45	28	30	35	308
PSC 32	10	50	35	35	39	310
PSC 32	12	55	42	40	44	312
PSC 40	6	50	25	30	35	406
PSC 40	8	50	28	30	35	408
PSC 40	10	50	35	30	39	410
PSC 40	12	55	42	35	44	412
PSC 40	14	55	44	35	44	414
PSC 40	16	55	48	35	47	416
PSC 50	6	50	25	30	35	506
PSC 50	8	50	28	30	35	508
PSC 50	10	55	35	35	39	510
PSC 50	12	60	42	40	44	512
PSC 50	14	60	44	40	44	514
PSC 50	16	60	48	40	47	516
PSC 50	18	60	50	40	47	518
PSC 50	20	60	52	40	47	520
PSC 50	25	80	65	60	54	525
PSC 63	6	55	25	33	35	606
PSC 63	8	55	28	33	35	608
PSC 63	10	60	35	38	39	610
PSC 63	12	60	42	38	44	612
PSC 63	14	60	44	38	44	614
PSC 63	16	65	48	43	47	616
PSC 63	18	65	50	43	47	618
PSC 63	20	65	52	43	49	620
PSC 63	25	80	65	58	54	625
PSC 63	32	90	72	68	58	632
PSC 63	40	100	80	78	75	640
PSC 80	6	70	25	40	35	806
PSC 80	8	70	28	40	35	808
PSC 80	10	70	35	40	39	810
PSC 80	12	70	42	40	44	812
PSC 80	14	70	44	40	44	814
PSC 80	16	70	48	50	47	816
PSC 80	18	70	50	40	47	818
PSC 80	20	70	52	40	49	820
PSC 80	25	80	65	50	54	825
PSC 80	32	80	72	50	58	832
PSC 80	40	110	80	80	75	840
PSC 80	50	120	100	90	83	850

Cylindrical Shank Adapter (Whistle Notch)

▲ For shanks according to DIN 6535 HE / 1835 E with angled clamping flat

AD
G 6,3 n_{max} 15000Article no.
84 102 ...

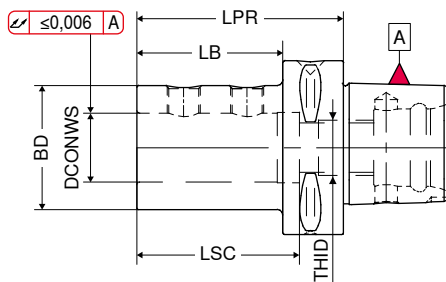
Adapter	DCONWS	LPR	BD	LB	LSCX	LSCN	THID	
	mm	mm	mm	mm	mm	mm		
PSC 32	6	70	25	55	38	28	M5	306
PSC 32	8	70	28	55	38	28	M6	308
PSC 32	10	70	35	55	41	31	M8	310
PSC 32	12	75	42	60	47	37	M10	312
PSC 40	6	70	25	50	38	28	M5	406
PSC 40	8	70	28	50	38	28	M6	408
PSC 40	10	70	35	50	41	31	M8	410
PSC 40	12	75	42	55	47	37	M10	412
PSC 40	14	75	44	55	47	37	M10	414
PSC 50	6	70	25	50	38	28	M5	506
PSC 50	8	70	28	50	38	28	M6	508
PSC 50	10	70	35	50	41	31	M8	510
PSC 50	12	75	42	55	47	37	M10	512
PSC 50	14	75	44	55	47	37	M10	514
PSC 50	16	80	48	60	50	40	M12	516
PSC 50	18	80	50	60	50	40	M12	518
PSC 50	20	85	52	65	52	42	M16	520
PSC 63	6	75	25	53	38	28	M5	606
PSC 63	8	75	28	53	38	28	M6	608
PSC 63	10	75	35	53	41	31	M8	610
PSC 63	12	80	42	58	47	37	M10	612
PSC 63	14	80	44	58	47	37	M10	614
PSC 63	16	80	48	58	50	40	M12	616
PSC 63	18	80	50	58	50	40	M12	618
PSC 63	20	85	52	63	52	42	M16	620
PSC 63	25	90	65	68	58	48	M16	625
PSC 63	32	95	72	73	61	51	M16	632
PSC 80	6	65	25	35	38	28	M5	806
PSC 80	8	65	28	35	38	28	M6	808
PSC 80	10	65	35	35	41	31	M8	810
PSC 80	12	70	42	40	47	37	M10	812
PSC 80	14	70	44	40	47	37	M10	814
PSC 80	16	75	48	45	50	40	M12	816
PSC 80	18	75	50	45	50	40	M12	818
PSC 80	20	80	52	50	52	42	M16	820
PSC 80	25	90	65	60	58	48	M16	825
PSC 80	32	95	72	65	61	51	M16	832

Backstop
screw IKSpare parts
DCONWSArticle no.
84 950 ...

6	M5	146
8	M6	147
10	M8	148
12 - 14	M10	149
16 - 18	M12	150
20 - 32	M16	151

Indexable insert drill adapter ISO 26623-1 PSC

▲ Run out ≤ 0.005 mm



AD

Adapter	DCONWS	LPR	BD	LB	LSC	THID	Article no. 84 128 ...
	mm	mm	mm	mm	mm		
PSC 32	16	60	36	45	49	M10x1	316
PSC 32	20	60	40	45	54	M10x1	320
PSC 40	16	60	36	40	49	M10x1	416
PSC 40	20	60	40	40	54	M10x1	420
PSC 40	25	80	45	50	59	M12x1	425
PSC 50	16	65	36	45	49	M10x1	516
PSC 50	20	65	40	45	54	M10x1	520
PSC 50	25	70	45	50	59	M12x1	525
PSC 50	32	75	52	55	63	M12x1	532
PSC 63	16	70	36	48	49	M10x1	616
PSC 63	20	70	40	48	54	M10x1	620
PSC 63	25	75	45	53	59	M12x1	625
PSC 63	32	75	52	53	63	M12x1	632
PSC 63	40	85	65	63	73	M16x1	640
PSC 63	50	115	75	93	83	M16x1	650
PSC 80	16	80	36	50	49	M10x1	816
PSC 80	20	80	40	50	54	M10x1	820
PSC 80	25	85	45	55	59	M12x1	825
PSC 80	32	90	52	60	63	M12x1	832
PSC 80	40	95	65	65	73	M16x1	840
PSC 80	50	100	75	70	83	M16x1	850



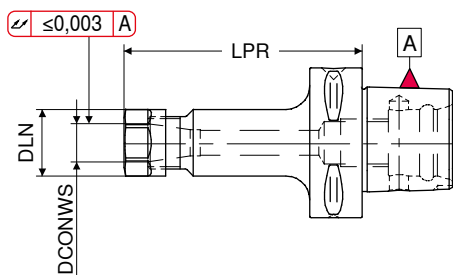
Grubscrew

Spare parts
DCONWS

	Article no. 83 950 ...
16 - 20	M10x1x10 180
25 - 32	M10x1x12 181
40 - 50	M16x1x13 182

ER Collet chuck

▲ Without an internal thread



AD
G 6,3 n_{max} 15000

Adapter	DCONWS	LPR	DLN	TQX	for collet	Article no. 84 114 ...
	mm	mm	mm	Nm		
PSC 32	1 - 10	45	28	8 - 56	426E (ER16)	304
PSC 40	1 - 10	55	28	8 - 56	426E (ER16)	404
PSC 50	1 - 10	60	28	8 - 56	426E (ER16)	504
PSC 50	1 - 10	100	28	8 - 56	426E (ER16)	506
PSC 63	1 - 10	60	28	8 - 56	426E (ER16)	604
PSC 63	1 - 10	100	28	8 - 56	426E (ER16)	606
PSC 80	1 - 10	60	28	8 - 56	426E (ER16)	804
PSC 80	1 - 10	100	28	8 - 56	426E (ER16)	806



Lock nut

Spare parts

for collet

426E (ER16)	M22x1,5 - SW25	Article no. 62 950 ... 044
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Accessories

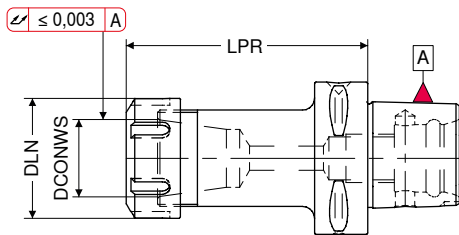


ER collet

→ 211, 213

ER Collet chuck

▲ Without an internal thread

AD
G 6,3 n_{max} 15000

Adapter	DCONWS	LPR	DLN	TQX	for collet	Article no. 84 115 ...
	mm	mm	mm	Nm		
PSC 32	1 - 13	45	34	16 - 80	428E (ER20)	306
PSC 40	1 - 13	55	34	16 - 80	428E (ER20)	404
PSC 40	1 - 16	55	42	24 - 104	430E (ER25)	406
PSC 40	2 - 20	55	50	24 - 136	470E (ER32)	408
PSC 50	1 - 13	60	34	16 - 80	428E (ER20)	502
PSC 50	1 - 13	100	34	16 - 80	428E (ER20)	504
PSC 50	1 - 16	60	42	24 - 104	430E (ER25)	506
PSC 50	1 - 16	100	42	24 - 104	430E (ER25)	508
PSC 50	2 - 20	60	50	24 - 136	470E (ER32)	510
PSC 50	2 - 20	100	50	24 - 136	470E (ER32)	512
PSC 50	3 - 26	65	63	176	472E (ER40)	514
PSC 50	3 - 26	100	63	176	472E (ER40)	516
PSC 63	1 - 13	60	34	16 - 80	428E (ER20)	602
PSC 63	1 - 13	100	34	16 - 80	428E (ER20)	604
PSC 63	1 - 16	60	42	24 - 104	430E (ER25)	606
PSC 63	1 - 16	100	42	24 - 104	430E (ER25)	608
PSC 63	2 - 20	60	50	24 - 136	470E (ER32)	610
PSC 63	2 - 20	100	50	24 - 136	470E (ER32)	612
PSC 63	3 - 26	65	63	176	472E (ER40)	614
PSC 63	3 - 26	100	63	176	472E (ER40)	616
PSC 80	1 - 13	65	34	16 - 80	428E (ER20)	802
PSC 80	1 - 13	100	34	16 - 80	428E (ER20)	804
PSC 80	1 - 16	70	42	24 - 104	430E (ER25)	806
PSC 80	1 - 16	100	42	24 - 104	430E (ER25)	808
PSC 80	2 - 20	70	50	24 - 136	470E (ER32)	810
PSC 80	2 - 20	100	50	24 - 136	470E (ER32)	812
PSC 80	3 - 26	80	63	176	472E (ER40)	814
PSC 80	3 - 26	100	63	176	472E (ER40)	816



Lock nut



Lock nut IK



Lock nut

Spare parts

	Article no. 62 950 ...	Article no. 83 950 ...	Article no. 62 950 ...
for collet			
428E (ER20)	M25x1,5 - SW30	045	
430E (ER25)		M32x1,5	055
470E (ER32)		M40x1,5	056
472E (ER40)		M50x1,5	057

Accessories

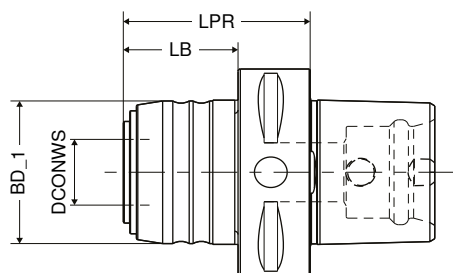


ER collet

→ 211, 213

Synchronised quick change tap chuck with minimal length compensation

- ▲ Length compensation under tension and compression (LZD)
- ▲ For collet types DIN 6499
- ▲ $p_{\max} = 50$ bar



AD

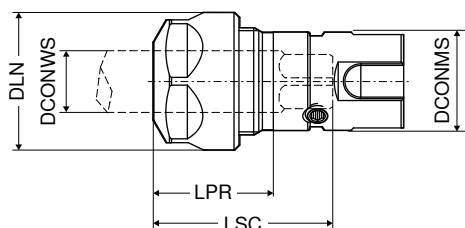
Article no.
84 140 ...

Adapter	cutting range	SZID	LPR	BD_1	DCONWS	LB	LZD±	
			mm	mm	mm	mm	mm	
PSC 63	M3 - M12	1	57	43	20	35	1,0 / 0,2	612
PSC 63	M6 - M20	2	77	60	32	55	1,0 / 0,2	620

Insert for synchro quick change tapping chuck with minimum length compensation

Scope of supply:

Includes lock nut



AD

Article no.
83 608 ...

SZID	DCONWS	cutting range	LPR	DLN	LSC	for collet	DCONMS	
	mm		mm	mm	mm		mm	
1	2 - 10	M3 - M12	24	28	42	426E (ER16)	20	012
2	2 - 16	M6 - M20	28	42	59	430E (ER25)	32	020

Spare parts

for Article no.

	Article no.		Article no.		Article no.	Article no.
	62 950 ...		83 950 ...		62 950 ...	83 357 ...
83 608 012	M22x1,5 - SW25	044	M22x1,5	054	M32x1,5	055
83 608 020			M32x1,5	055		
						116
						125

Lock nut

Lock nut IK

Lock nut

Y clamping key

Accessories

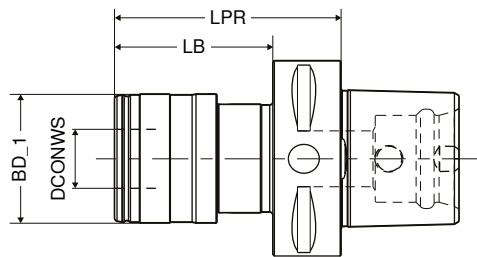


ER collet

→ 212, 214–215

Quick change tap chuck with length compensation

▲ Length compensation under tension and compression (LZD)



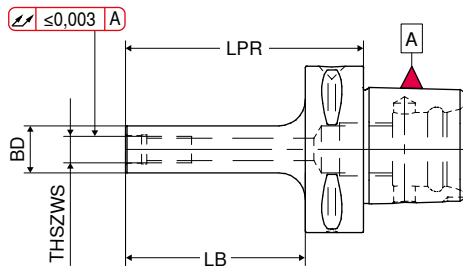
Adapter	cutting range	SZID	LPR	BD_1	DCONWS	LB	LZD±	Article no.
			mm	mm	mm	mm	mm	84 142 ...
PSC 63	M3 - M12	01	73	41	19	51	7,5	612
PSC 63	M6 - M20	02	97	60	31	75	10	620

Accessories



Collet
→ 219-223

Adapter for screw-in milling cutter



AD
G 2,5 n_{max} 20000

Article no.
84 110 ...

Adapter	THSZWS	LPR	BD	LB	
		mm	mm	mm	
PSC 32	M8	60	13	45	302
PSC 32	M10	70	18	55	306
PSC 40	M8	70	13	50	402
PSC 40	M10	80	18	60	405
PSC 40	M12	80	21	60	408
PSC 50	M8	70	13	50	502
PSC 50	M10	80	18	60	505
PSC 50	M12	80	21	60	508
PSC 50	M16	80	29	60	512
PSC 63	M8	70	13	48	602
PSC 63	M10	90	18	68	605
PSC 63	M12	100	21	78	608
PSC 63	M16	100	29	78	612

Accessories



Coolant transfer pipe

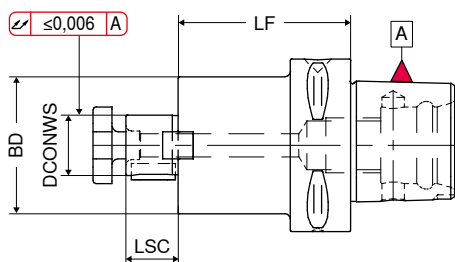
→ 173

Shell mill adapters

▲ For cutters with longitudinal or transverse groove

Scope of supply:

Holder with clamping screw and drive key



A

G 6,3 n_{max} 15000

Adapter	DCONWS	LF	BD	LSC	Article no. 84 122 ...
	mm	mm	mm	mm	
PSC 40	16	28	40	17	401
PSC 40	16	63	40	17	402
PSC 40	22	40	50	19	411
PSC 40	22	63	50	19	412
PSC 50	16	28	40	17	501
PSC 50	16	63	40	17	502
PSC 50	22	28	50	19	511
PSC 50	22	63	50	19	512
PSC 50	27	32	50	21	521
PSC 50	27	63	50	21	522
PSC 50	32	40	63	24	531
PSC 50	32	63	63	24	532
PSC 63	16	63	40	17	602
PSC 63	22	28	63	19	611
PSC 63	22	63	50	19	612
PSC 63	27	28	58	21	621
PSC 63	27	63	58	21	622
PSC 63	32	22	63	24	631
PSC 63	32	86	63	24	632
PSC 63	40	40	70	27	641
PSC 80	16	63	40	17	802
PSC 80	22	30	50	19	811
PSC 80	22	63	50	19	812
PSC 80	27	30	58	21	821
PSC 80	27	63	58	21	822
PSC 80	32	30	63	24	831
PSC 80	32	86	63	24	832
PSC 80	40	40	70	27	841

				
Drive key	Drive dog	Cross nut key	Retaining screw	Clamping screw
Article no. 84 950 ...	Article no. 84 950 ...	Article no. 83 368 ...	Article no. 83 367 ...	Article no. 83 950 ...
16	108	113	116	M8
22	109	114	122	M10
27	110	115	127	M12
32	111	116	132	M16
40	112	117	140	M20
			016	M8x25
			022	M10x25
			027	M12x30
			032	M16x35
			040	M20x40

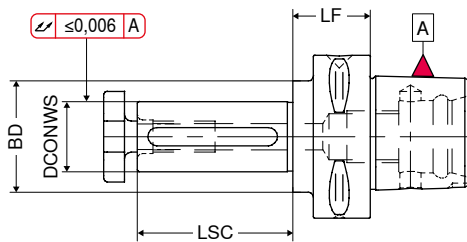
Spare parts DCONWS

Milling arbor

- ▲ For cutters with long drive slot
- ▲ Runout ≤ 0.005 mm

Scope of supply:

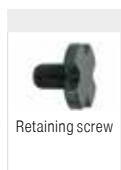
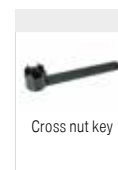
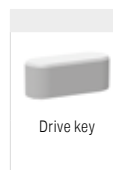
Holder with clamping screw and drive key



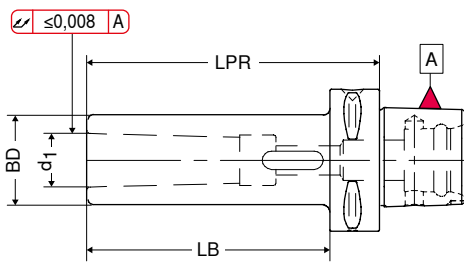
Adapter	DCONWS	LF	BD	LSC	Article no. 84 124 ...
	mm	mm	mm	mm	
PSC 32	16	20	28	30	316
PSC 40	16	25	28	30	416
PSC 40	22	25	36	40	422
PSC 40	27	25	40	60	427
PSC 50	16	25	28	30	516
PSC 50	22	25	36	40	522
PSC 50	27	25	43	60	527
PSC 50	32	25	50	60	532
PSC 63	16	30	28	30	616
PSC 63	22	30	36	40	622
PSC 63	27	30	43	60	627
PSC 63	32	25	48	60	632
PSC 63	40	25	56	60	640
PSC 80	16	40	28	30	816
PSC 80	22	40	36	40	822
PSC 80	27	30	43	60	827
PSC 80	32	30	48	60	832
PSC 80	40	30	56	60	840
PSC 80	50	30	70	60	850
PSC 80	60	30	60	60	860

Spare parts DCONWS

	Article no. 84 950 ...	Article no. 83 368 ...	Article no. 83 367 ...
16	101	116	M8 016
22	102	122	M10 022
27	103	127	M12 027
32	104	132	M16 032
40	105	140	M20 040
50	106	150	M24 050
60	107		



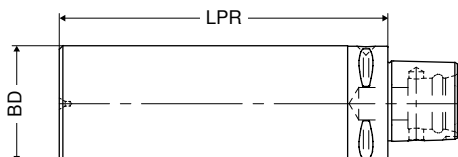
Taper sleeve DIN6383 for DIN 228-2D Morse taper shanks



Adapter	d_1	LPR	BD	LB	Article no. 84 126 ...
PSC 40	MK2	110	32	90	402
PSC 40	MK3	130	40	119	403
PSC 50	MK2	110	32	90	502
PSC 50	MK3	130	40	110	503
PSC 50	MK4	150	48	132	504
PSC 63	MK2	110	32	88	602
PSC 63	MK3	130	40	108	603
PSC 63	MK4	150	48	128	604
PSC 80	MK2	120	32	90	802
PSC 80	MK3	140	40	110	803
PSC 80	MK4	160	48	130	804

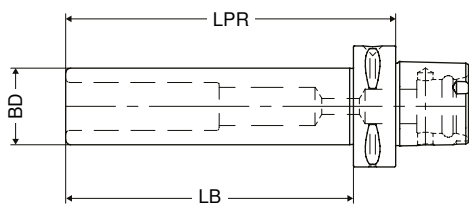
Blank

- ▲ Material: 25CrMoV4
- ▲ For production of special tools
- ▲ Taper hardened and ground
- ▲ Special tool area in soft state



Adapter	LPR	BD	Article no. 84 134 ...
	mm	mm	
PSC 40	95	40	402
PSC 40	120	40	403
PSC 40	165	60	404
PSC 40	75	80	405
PSC 40	120	80	406
PSC 40	85	100	408
PSC 50	125	50	502
PSC 50	150	50	503
PSC 50	175	75	504
PSC 50	80	90	506
PSC 50	150	95	508
PSC 50	90	110	510
PSC 63	180	63	602
PSC 63	195	75	604
PSC 63	85	110	606
PSC 63	180	120	608
PSC 63	95	130	610
PSC 80	200	80	802
PSC 80	160	120	804
PSC 80	90	130	806
PSC 80	200	145	808

Test bar



Adapter	LPR	BD	LB	Article no. 84 136 ...
	mm	mm	mm	
PSC 32	175	25	160	030
PSC 40	180	25	160	040
PSC 50	235	32	215	050
PSC 63	322	40	300	060
PSC 80	330	40	300	080

Coolant pipe

Scope of supply:
Complete, including seals



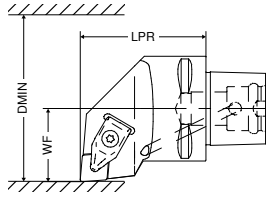
Size	G	Article no. 84 116 ...
PSC 40	M14 x 1,5	04000
PSC 50	M16 x 1,5	05000
PSC 63	M20 x 1,5	06300
PSC 80	M20 x 1,5	08000

Key



Size	Article no. 84 117 ...
PSC 40	04000
PSC 50	05000
PSC 63	06300
PSC 80	08000

Toolholder DCLN 95°/80°



Illustrations show right-hand versions



ISO designation	Adapter	WF	LPR	DMIN	Insert	Left-hand	Right-hand
						Article no. 84 151 ...	Article no. 84 150 ...
PSC40 DCLN R/L 27050-12	PSC 40	27	50	75	CN.. 1204	400	400
PSC50 DCLN R/L 35060-12	PSC 50	35	60	95	CN.. 1204	500	500
PSC63 DCLN R/L 45065-12	PSC 63	45	65	110	CN.. 1204	600	600

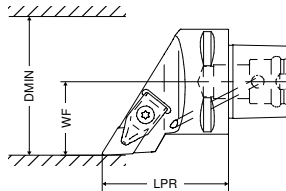
Spare parts

Adapter

PSC 40	Article no. 84 950 ...	118	132	136	121
PSC 50	Article no. 84 950 ...	118	132	136	121
PSC 63	Article no. 84 950 ...	118	132	136	121

			
Clamping claw	Clamping screw	Carbide seat	Threaded bush
Article no. 84 950 ...	Article no. 84 950 ...	Article no. 84 950 ...	Article no. 84 950 ...

Toolholder – DDJN 93°/55°



Illustrations show right-hand versions



ISO designation	Adapter	WF	LPR	DMIN	Insert	Left-hand	Right-hand
						Article no. 84 153 ...	Article no. 84 152 ...
PSC40 DDJN R/L 27055-15	PSC 40	27	55	85	DN.. 1506	400	400
PSC50 DDJN R/L 35060-15	PSC 50	35	60	95	DN.. 1506	500	500
PSC63 DDJN R/L 45065-15	PSC 63	45	65	110	DN.. 1506	600	600

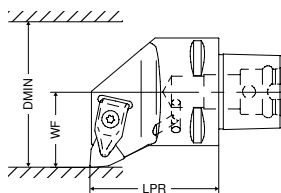
Spare parts

Adapter

PSC 40	Article no. 84 950 ...	118	132	137
PSC 50	Article no. 84 950 ...	118	132	137
PSC 63	Article no. 84 950 ...	118	132	137

		
Clamping claw	Clamping screw	Carbide seat
Article no. 84 950 ...	Article no. 84 950 ...	Article no. 84 950 ...

Toolholder – DWLN 95°/80°



Illustrations show right-hand versions

ISO designation	Adapter	WF	LPR	DMIN	Insert	Left-hand	Right-hand
						Article no. 84 155 ...	Article no. 84 154 ...
PSC40 DWLN R/L 27050-08	PSC 40	27	50	75	WN.. 0804	400	400
PSC50 DWLN R/L 35060-08	PSC 50	35	60	95	WN.. 0804	500	500
PSC63 DWLN R/L 45065-08	PSC 63	45	65	110	WN.. 0804	600	600

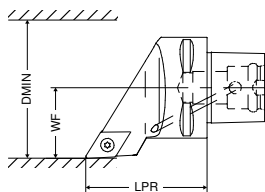
Spare parts

Adapter

PSC 40	Article no. 84 950 ...	118	133	138
PSC 50	Article no. 84 950 ...	118	133	138
PSC 63	Article no. 84 950 ...	118	133	138

		
Clamping claw	Clamping screw	Carbide seat
Article no. 84 950 ...	Article no. 84 950 ...	Article no. 84 950 ...
118	133	138
118	133	138
118	133	138

Toolholder – SDJC 93°/55°



Illustrations show right-hand versions

ISO designation	Adapter	WF	LPR	DMIN	Insert	Left-hand	Right-hand
						Article no. 84 157 ...	Article no. 84 156 ...
PSC40 SDJC R/L 27050-11	PSC 40	27	50	80	DC.. 11T3	400	400
PSC50 SDJC R/L 35060-11	PSC 50	35	60	95	DC.. 11T3	500	500
PSC63 SDJC R/L 45065-11	PSC 63	45	65	110	DC.. 11T3	600	600

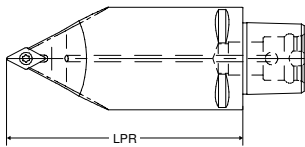
Spare parts

Adapter

PSC 40	Article no. 84 950 ...	134	139
PSC 50	Article no. 84 950 ...	134	139
PSC 63	Article no. 84 950 ...	134	139

	
Clamping screw	Carbide seat
Article no. 84 950 ...	Article no. 84 950 ...
134	139
134	139
134	139

Toolholder – SDNC 62,5°/55°

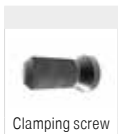


ISO designation	Adapter	LPR	Insert	Neutral	
				Article no. 84 158 ...	
PSC40 SDNC N 00115-11	PSC 40	mm 115	DC.. 11T3		400
PSC50 SDNC N 00115-11	PSC 50	115	DC.. 11T3		500
PSC63 SDNC N 00115-11	PSC 63	115	DC.. 11T3		600

Spare parts

Adapter

PSC 40	Article no. 84 950 ...	134	Article no. 84 950 ...	139
PSC 50		134		139
PSC 63		134		139

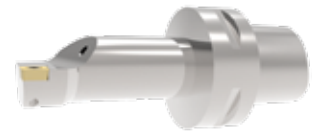
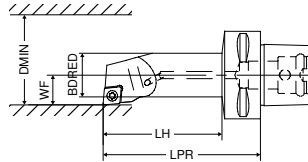


Clamping screw



Carbide seat

Boring bar SCLC 95°/80°



Illustrations show right-hand versions

ISO designation	Adapter	WF	LPR	BDRED	LH	DMIN	Insert	Left-hand	Right-hand
								Article no. 84 171 ...	Article no. 84 170 ...
PSC40 SCLC R/L 13080-09	PSC 40	13	80	20	57	25	CC.. 09T3	400	400
PSC50 SCLC R/L 17090-09	PSC 50	17	90	25	68	32	CC.. 09T3	500	500

Spare parts

Adapter

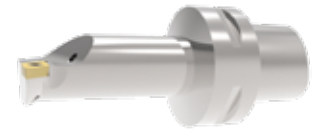
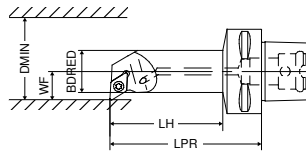
PSC 40	152
PSC 50	152



Clamping screw

Article no.
84 950 ...

Boring bar SDUC 93°/55°



Illustrations show right-hand versions

ISO designation	Adapter	WF	LPR	BDRED	LH	DMIN	Insert	Left-hand	Right-hand
								Article no. 84 173 ...	Article no. 84 172 ...
PSC40 SDUC R/L 13080-11	PSC 40	13	80	20	57	25	DC.. 11T3	400	400
PSC50 SDUC R/L 17090-11	PSC 50	17	90	25	67	32	DC.. 11T3	500	500
PSC50 SDUC R/L 22110-11	PSC 50	22	110	32	67	40	DC.. 11T3	501	501



Clamping screw

Article no.
84 950 ...

Carbide seat

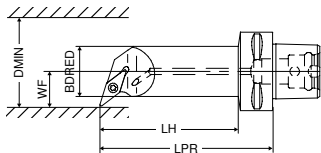
Article no.
84 950 ...

Spare parts

Adapter

PSC 40	134	139
PSC 50	134	139

Boring bar SVQC 107,5°/35°



Illustrations show right-hand versions

ISO designation	Adapter	WF	LPR	BDRED	LH	DMIN	Insert	Left-hand	Right-hand
								Article no. 84 175 ...	Article no. 84 174 ...
PSC40 SVQC R/L 18090-16	PSC 40	18	90	25	68	32	VC.. 1604	400	400
PSC50 SVQC R/L 22110-16	PSC 50	22	110	32	88	40	VC.. 1604	500	500
PSC63 SVQC R/L 22120-16	PSC 63	22	120	32	94	40	VC.. 1604	600	600
PSC63 SVQC R/L 27145-16	PSC 63	27	145	40	120	50	VC.. 1604	601	601



Clamping screw

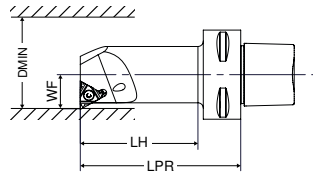
Article no.
84 950 ...

132
132
132

Spare parts

- Adapter
PSC 40
PSC 50
PSC 63

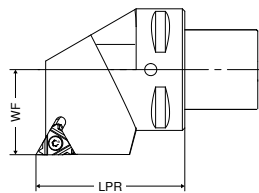
Internal threading holder



Illustrations show right-hand versions

ISO designation	Adapter	WF	LPR	LH	DMIN	Left-hand		Right-hand	
						Article no. 84 197 ...		Article no. 84 196 ...	
		mm	mm	mm	mm				
PSC40 SI R/L 12060-16.IK	PSC 40	12	60	37	20	410		410	
PSC40 SI R/L 14060-16.IK	PSC 40	14	60	38	25	412		412	
PSC40 SI R/L 17070-16.IK	PSC 40	17	70	48	32	414		414	
PSC40 SI R/L 22090-16.IK	PSC 40	22	90	69	40	416		416	
PSC40 SI R/L 27080-16.IK	PSC 40	27	80	60	50	418		418	
PSC40 SI R/L 15065-22.IK	PSC 40	15	65	42	25	420		420	
PSC40 SI R/L 19070-22.IK	PSC 40	19	70	48	32	422		422	
PSC40 SI R/L 22090-22.IK	PSC 40	22	90	69	40	424		424	
PSC40 SI R/L 27080-22.IK	PSC 40	27	80	60	50	426		426	
PSC50 SI R/L 12060-16.IK	PSC 50	12	60	35	20	510		510	
PSC50 SI R/L 14060-16.IK	PSC 50	14	60	36	25	512		512	
PSC50 SI R/L 17070-16.IK	PSC 50	17	70	47	32	514		514	
PSC50 SI R/L 22090-16.IK	PSC 50	22	90	68	40	516		516	
PSC50 SI R/L 27105-16.IK	PSC 50	27	105	84	50	518		518	
PSC50 SI R/L 15065-22.IK	PSC 50	15	65	41	25	520		520	
PSC50 SI R/L 19070-22.IK	PSC 50	19	70	47	32	522		522	
PSC50 SI R/L 22090-22.IK	PSC 50	22	90	68	40	524		524	
PSC50 SI R/L 27105-22.IK	PSC 50	27	105	84	50	526		526	
PSC63 SI R/L 14070-16.IK	PSC 63	14	70	42	25	610		610	
PSC63 SI R/L 17075-16.IK	PSC 63	17	75	48	32	612		612	
PSC63 SI R/L 22090-16.IK	PSC 63	22	90	64	40	614		614	
PSC63 SI R/L 27105-16.IK	PSC 63	27	105	80	50	616		616	
PSC63 SI R/L 19075-22.IK	PSC 63	19	75	48	32	620		620	
PSC63 SI R/L 22090-22.IK	PSC 63	22	90	64	40	622		622	
PSC63 SI R/L 27105-22.IK	PSC 63	27	105	80	50	624		624	

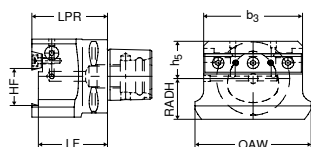
External threading holder



Illustrations show right-hand versions

ISO designation	Adapter	LPR	WF	Left-hand		Right-hand	
				Article no. 84 191 ...		Article no. 84 190 ...	
		mm	mm				
PSC40 SE R/L 27050-16.IK	PSC 40	50	27	412		412	
PSC40 SE R/L 27050-22.IK	PSC 40	50	27	422		422	
PSC50 SE R/L 35060-16.IK	PSC 50	60	35	512		512	
PSC50 SE R/L 35060-22.IK	PSC 50	60	35	522		522	
PSC63 SE R/L 45065-16.IK	PSC 63	65	45	612		612	
PSC63 SE R/L 45065-22.IK	PSC 63	65	45	622		622	
PSC80 SE R/L 55080-22.IK	PSC 80	80	55	822		822	

Radial parting blade holder, right / left



Neutral

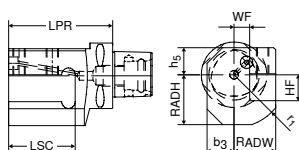
Adapter	HF	LPR	OAW	b ₃	h ₅	RADH	LF
	mm	mm	mm	mm	mm	mm	mm
PSC 63	26	65	91	75	30	30	60
PSC 63	32	65	100	85	32	35	88

Article no.
84 132 ...

626

632

Square section adapter, single face



Illustrations show right-hand versions

Adapter	HF	LPR	b ₃	RADW	r ₁	WF	h ₅	RADH	LSC
	mm	mm	mm	mm	mm	mm	mm	mm	mm
PSC 50	20	80	26	35	45	15	26	43	53
PSC 50	25	90	26	40	51	15	26	48	64
PSC 50	32	115	26	47	61	15	26	55	90
PSC 63	20	90	26	35	45	15	26	43	53
PSC 63	25	100	26	40	51	15	26	48	64
PSC 63	32	125	26	47	61	15	26	55	90
PSC 80	20	90	26	35	45	15	26	43	53
PSC 80	25	100	26	40	51	15	26	48	64
PSC 80	32	125	26	47	61	15	26	55	90

Left-hand

Right-hand

Article no.
84 611 ...Article no.
84 610 ...

520

520

525

525

532

532

620

620

625

625

632

632

820

820

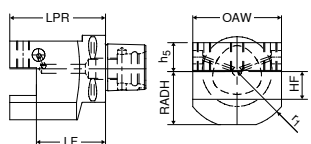
825

825

832

832

Square section adapter



Neutral

Adapter	HF	LPR	OAW	r ₁	RADH	h ₅	LF
	mm	mm	mm	mm	mm	mm	mm
PSC 50	20	70	70	45	69	43	50
PSC 50	25	80	80	51	74	48	55
PSC 50	32	90	90	61	81	55	58
PSC 63	20	80	70	45	69	43	60
PSC 63	25	90	80	51	74	48	65
PSC 63	32	100	90	61	81	55	68
PSC 80	20	80	70	45	69	43	60
PSC 80	25	90	80	51	74	48	65
PSC 80	32	100	90	61	81	55	68

Article no.
84 602 ...

520

525

532

620

625

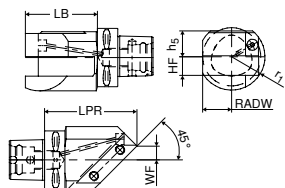
632

820

825

832

Square section adapter 45°



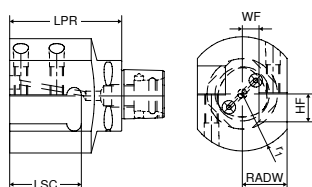
Illustrations show right-hand versions

Adapter	HF	LPR	RADW	r_1	WF	h_5	LB
	mm	mm	mm	mm	mm	mm	mm
PSC 50	20	100	31	36	15	26	80
PSC 63	20	100	32	36	15	28	78
PSC 80	32	135	45	70	17	40	105



Left-hand	Right-hand
Article no. 84 605 ...	Article no. 84 604 ...
520	520
620	620
832	832

Square section adapter, double face



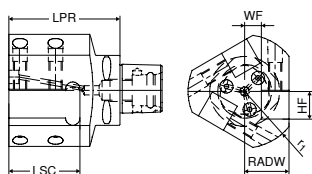
Illustrations show right-hand versions

Adapter	HF	LPR	RADW	r_1	WF	LSC
	mm	mm	mm	mm	mm	mm
PSC 50	20	80	35	45	15	53
PSC 50	25	90	40	51	15	64
PSC 50	32	115	47	61	15	90
PSC 63	20	90	35	45	15	53
PSC 63	25	100	40	51	15	64
PSC 63	32	125	47	61	15	90
PSC 80	20	90	35	45	15	53
PSC 80	25	100	40	51	15	64
PSC 80	32	125	47	61	15	90



Left-hand	Right-hand
Article no. 84 613 ...	Article no. 84 612 ...
520	520
525	525
532	532
620	620
625	625
632	632
820	820
825	825
832	832

Square section adapter, triple face



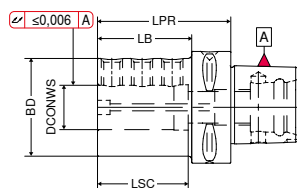
Illustrations show right-hand versions

Adapter	HF	LPR	RADW	r_1	WF	LSC
	mm	mm	mm	mm	mm	mm
PSC 50	20	80	35	45	15	53
PSC 50	25	90	40	51	15	64
PSC 50	32	115	47	61	15	90
PSC 63	20	90	35	45	15	53
PSC 63	25	100	40	51	15	64
PSC 63	32	125	47	61	15	90
PSC 80	20	90	35	45	15	53
PSC 80	25	100	40	51	15	64
PSC 80	32	125	47	61	15	90



Left-hand	Right-hand
Article no. 84 615 ...	Article no. 84 614 ...
520	520
525	525
532	532
620	620
625	625
632	632
820	820
825	825
832	832

Boring bar holder



Adapter	DCONWS	LPR	BD	LB	LSC	Article no. 84 130 ...
	mm	mm	mm	mm	mm	
PSC 50	6	70	40	50	40	506
PSC 50	8	70	44	50	40	508
PSC 50	10	70	44	50	45	510
PSC 50	12	70	44	50	45	512
PSC 50	16	75	44	55	45	516
PSC 50	20	75	50	75	51	520
PSC 50	25	80	55	50	51	525
PSC 50	32	90	72	70	60	532
PSC 63	6	75	40	53	40	606
PSC 63	8	75	44	53	40	608
PSC 63	10	75	44	53	45	610
PSC 63	12	75	44	53	45	612
PSC 63	16	75	44	53	45	616
PSC 63	20	75	50	53	51	620
PSC 63	25	75	55	53	51	625
PSC 63	32	75	72	52	60	632
PSC 63	40	105	70	82	90	640



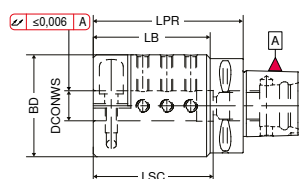
Grubscrew

Spare parts
DCONWS

	Article no. 84 950 ...
6	M6x16 153
8	M8x16 154
10	M10x16 155
12 - 40	M12x14 156

Boring bar adapter, split version

- ▲ Vibration-damped
- ▲ Ideally suited for large overhangs

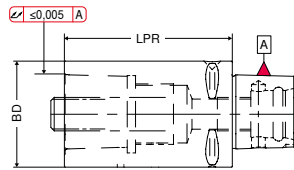


Adapter	DCONWS	LPR	BD	LB	LSC	Article no. 84 131 ...
	mm	mm	mm	mm	mm	
PSC 63	6	80	40	58	60	606
PSC 63	8	85	45	63	65	608
PSC 63	10	85	50	63	65	610
PSC 63	12	100	63	78	80	612
PSC 63	16	100	63	78	80	616
PSC 63	20	100	68	78	80	620
PSC 63	25	100	68	78	80	625
PSC 63	32	100	72	78	80	632

Spare parts DCONWS	Grubscrew		Grubscrew		Stop screw IK	
	Article no. 83 950 ...		Article no. 84 950 ...		Article no. 81 950 ...	
6					M5x15	050
8	M6x20	462				
10			M6x16	153		
12 - 20	M8x20	468				
25	M8x25	467				
32	M10x20	471				

Extension, axial clamping

▲ Run out ≤ 0,002mm



Adapter	BD	LPR	Article no. 84 620 ...
	mm	mm	
PSC 32	32	60	301
PSC 32	32	80	302
PSC 40	40	60	401
PSC 40	40	80	402
PSC 50	50	80	501
PSC 50	50	100	502
PSC 63	63	100	601
PSC 63	63	140	602
PSC 80	80	100	801
PSC 80	80	125	802

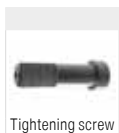
Spare parts

Adapter

PSC 32	127	SW8	122
PSC 40	128	SW8	123
PSC 50	129	SW10	124
PSC 63	130	SW14	126
PSC 80	130	SW14	126



Article no.
84 950 ...



Article no.
84 950 ...

Accessories

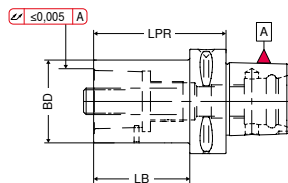


Hollow nose keys

→ 187

Cylindrical reduction

▲ Run out ≤ 0,002mm



Adapter	BD	LPR	LB	Article no. 84 624 ...
	mm	mm	mm	
PSC 40	32	55	35	403
PSC 50	32	60	40	503
PSC 50	40	65	45	504
PSC 63	32	70	48	603
PSC 63	40	80	58	604
PSC 63	50	80	58	605
PSC 80	32	60	30	803
PSC 80	40	70	40	804
PSC 80	50	80	50	805
PSC 80	63	80	50	806
PSC 80X	63	80	48	816
PSC 80X	80	100	68	818

Spare parts

Adapter

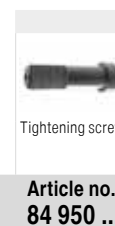
Adapter	Article no. 84 950 ...	Article no. 84 950 ...
PSC 40	128	SW8 123
PSC 50	129	SW10 124
PSC 63	130	SW14 126
PSC 80	130	SW14 126
PSC 80X	130	SW14 126

Accessories



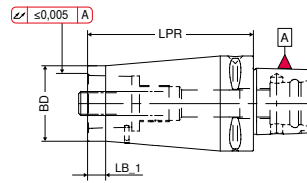
Hollow nose keys

→ 187



Tapered reduction

▲ Run out $\leq 0,002\text{mm}$

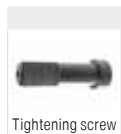
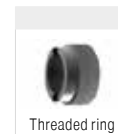


Adapter	BD	LPR	LB_1	Article no. 84 625 ...
	mm	mm	mm	
PSC 40	32	70	12	403
PSC 50	40	85	12	504
PSC 63	50	110	12	605
PSC 80	63	120	12	806
PSC 80X	80	150	12	818

Spare parts

Adapter

Adapter	Article no. 84 950 ...	Article no. 84 950 ...
PSC 40	128	SW8 123
PSC 50	129	SW10 124
PSC 63	130	SW14 126
PSC 80	130	SW14 126
PSC 80X	130	SW14 126



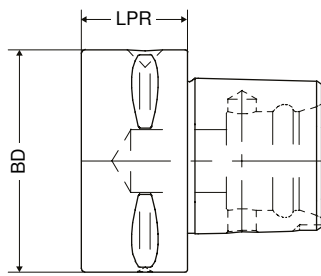
Accessories



Hollow nose keys

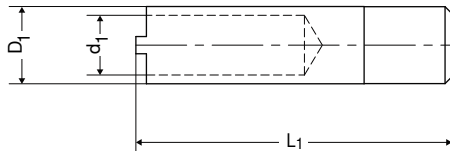
→ 187

Sealing plugs



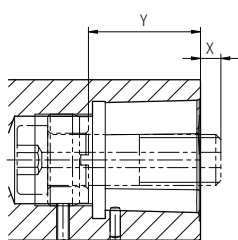
Adapter	BD mm	LPR mm	Article no. 84 135 ...
PSC 40	40	28	040
PSC 50	50	28	050
PSC 63	63	30	060
PSC 80	80	38	080

Hollow nose key for clamping screw for PSC extensions and reductions



Adapter	D ₁ mm	L ₁ mm	d ₁ mm	Article no. 84 651 ...
PSC 32	16	80	12,5	032
PSC 40	20	80	15,0	040
PSC 50	22	90	17,0	050
PSC 63/80/80X	34	110	21,0	063

Installation instructions: clamping screw for PSC extensions and reductions

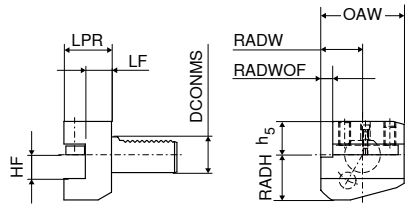


X = Screw leading edge
Y = Threaded ring insertion depth

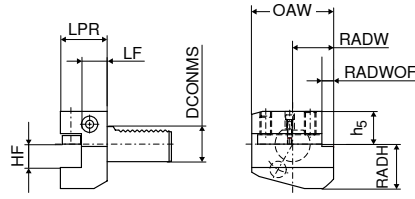
Threaded ring secured with threaded pin DIN 914.
Drilled threaded ring !

Adapter	X mm	Y mm
PSC 32	5	24
PSC 40	5	29
PSC 50	6	36
PSC 63	8	44
PSC 80	0	53
PSC 80X	0	53

Radial tool holders, short



B2



B1

B2

B1



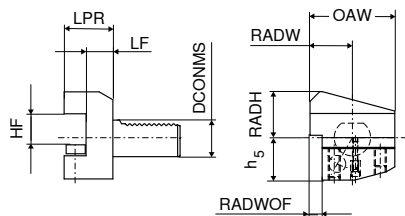
Left-hand

Right-hand

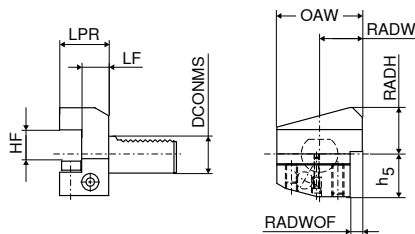
DCONMS _{h6}	HF _{0/-0,1}	OAW	RADW	RADWOF	h ₅	RADH	LF _{0/+0,5}	LPR	Article no. 82 189 ...	Article no. 82 185 ...
mm	mm	mm	mm	mm	mm	mm	mm	mm		
16	12	42	23,0	5,0	20,0	22	13,0	24	160	160
16	12	42	23,0	5,0	20,0	22	23,0	34	161	
20	16	55	30,0	7,0	25,0	30	16,0	30	200	200
20	16	55	30,0	7,0	25,0	30	26,0	40	201	201
20	16	55	30,0	7,0	25,0	30	18,0	30	202 ¹⁾	202 ¹⁾
20	16	55	30,0	7,0	25,0	30	25,5	40		203 ¹⁾
25	16	55	30,0	7,0	25,0	30	16,0	30	250	250
30	20	70	35,0	10,0	28,0	38	18,5	40	300	300
30	20	70	35,0	10,0	28,0	35	32,0	50		302 ¹⁾
30	20	70	35,0	10,0	28,0	38	42,0	60	301	301
40	25	85	42,5	12,5	32,5	48	18,5	44	400	400
50	32	100	50,0	16,0	35,0	60	30,0	55	500	500

1) Height adjustable +/- 1 mm

Radial tool holders, overhead, short



B4



B3

B4

B3



Left-hand

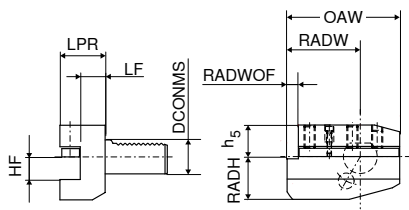
Right-hand

DCONMS _{h6}	HF _{0/-0,1}	OAW	RADW	RADWOF	h ₅	RADH	LF _{0/+0,5}	LPR	Article no. 82 196 ...	Article no. 82 193 ...
mm	mm	mm	mm	mm	mm	mm	mm	mm		
16	12	42	23,0	5,0	20,0	22	13,0	24		160
20	16	55	30,0	7,0	25,0	30	16,0	30	200	200
20	16	55	30,0	7,0	25,0	30	26,0	40	201	201
20	16	55	30,0	7,0	25,0	30	18,5	30	202 ¹⁾	202 ¹⁾
20	16	55	30,0	7,0	25,0	30	26,0	40	203 ¹⁾	203 ¹⁾
25	16	55	30,0	7,0	25,0	30	16,0	30	250	250
30	20	70	35,0	10,0	35,0	38	42,0	60	301	301
30	20	70	35,0	10,0	35,0	38	18,5	40	300	300
40	25	85	42,5	12,5	42,5	48	18,5	44	400	400
50	32	100	50,0	16,0	50,0	60	30,0	55	500	500

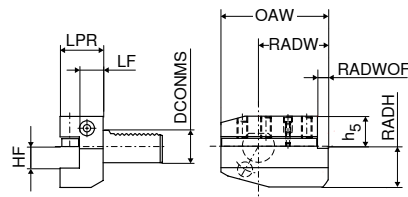
1) Height adjustable +/- 1 mm

i Spare parts can be found in → **Chapter 17, Accessories**

Radial tool holders, long



B6



B5

B6

B5



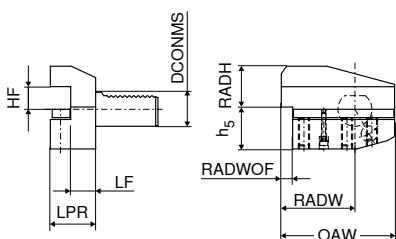
Left-hand

Right-hand

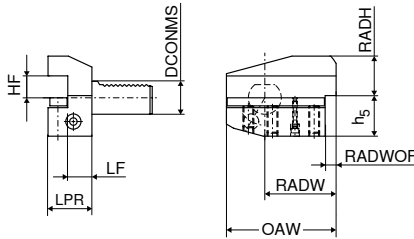
DCONMS _{h6}	HF _{0/-0,1}	OAW	RADW	RADWOF	h ₅	RADH	LF _{0/+0,5}	LPR	Article no. 82 202 ...	Article no. 82 199 ...
mm	mm	mm	mm	mm	mm	mm	mm	mm		
20	16	75	50,0	7,0	25,0	30	16,0	30	200	200
20	16	75	50,0	7,0	25,0	30	26,0	40	201	201
20	16	75	50,0	7,0	25,0	30	18,0	30		202 ¹⁾
30	20	100	65,0	10,0	28,0	38	18,5	40	300	300
30	20	100	65,0	10,0	28,0	38	42,0	60	301	301
40	25	118	75,5	12,5	32,5	48	18,5	44	400	400
50	32	130	80,0	16,0	35,0	60	30,0	55	500	500

1) Height adjustable +/- 1 mm

Radial tool holders, overhead, long



B8



B7

B8

B7



Left-hand

Right-hand

DCONMS _{h6}	HF _{0/-0,1}	OAW	RADW	RADWOF	h ₅	RADH	LF _{0/+0,5}	LPR	Article no. 82 208 ...	Article no. 82 205 ...
mm	mm	mm	mm	mm	mm	mm	mm	mm		
20	16	75	50,0	7,0	25,0	30	16,0	30	200	200
20	16	75	50,0	7,0	25,0	30	26,0	40		201
20	16	75	50,0	7,0	25,0	30	18,0	30		202 ¹⁾
30	20	100	65,0	10,0	35,0	38	18,5	40	300	300
30	20	100	65,0	10,0	35,0	38	42,0	60		301
40	25	118	75,5	12,5	42,5	48	18,5	44	400	400
50	32	130	80,0	16,0	50,0	60	30,0	55	500	500

1) Height adjustable +/- 1 mm

i Spare parts can be found in → **Chapter 17, Accessories**

Axial tool holders

									C2	C1		
											Left-hand	Right-hand
											Article no. 82 214 ...	Article no. 82 211 ...
DCONMS _{h6}	HF _{0/-0,1}	OAW	RADW	WF _{0/+0,3}	h ₅	RADH	LPR	LF				
mm	mm	mm	mm	mm	mm	mm	mm	mm				
16	12	43	24,0	13,0	20,0	22	44	5,0				160
20	16	65	40,0	26,0	25,0	30	50				200	201
20	16	65	40,0	25,5	25,0	30	50					202 ¹⁾
20	16	52	27,0	13,0	25,0	30	55	7,0				200
25	16	58	33,0	19,0	25,0	30	55	7,0			250	250
30	20	70	35,0	17,0	28,0	38	70	10,0				300
30	20	76	41,0	23,0	28,0	38	70	10,0			300	
40	25	90	47,5	25,5	32,5	48	85	12,5			400	
40	25	85	42,5	20,5	32,5	48	85	12,5				400
50	32	100	50,0	25,5	35,0	60	100	16,0				500
50	32	105	55,0	30,5	35,0	60	100	16,0			500	

1) Height adjustable +/- 1 mm

Axial tool holders, overhead

									C4	C3		
											Left-hand	Right-hand
											Article no. 82 220 ...	Article no. 82 217 ...
DCONMS _{h6}	HF _{0/-0,1}	OAW	RADW	WF _{0/+0,3}	h ₅	RADH	LPR	LF				
mm	mm	mm	mm	mm	mm	mm	mm	mm				
16	12	43	24,0	13,0	20,0	22	44	5,0				160
20	16	65	40,0	26,0	25,0	30	50				200	201
20	16	65	40,0	25,5	30,0	25	50					202 ¹⁾
20	16	65	40,0	25,5	25,0	30	50				201 ¹⁾	
20	16	52	27,0	13,0	25,0	30	55	7,0				200
25	16	58	33,0	19,0	25,0	30	55	7,0			250	250
30	20	70	35,0	17,0	35,0	38	70	10,0				300
30	20	76	41,0	23,0	35,0	38	70	10,0			300	
40	25	85	42,5	20,5	42,5	48	85	12,5				400
40	25	90	47,5	25,5	42,5	48	85	12,5			400	
50	32	100	50,0	25,5	50,0	60	100	16,0				500
50	32	105	55,0	30,5	50,0	60	100	16,0			500	

1) Height adjustable +/- 1 mm

i Spare parts can be found in → **Chapter 17, Accessories**

Multiple tool holders

D1

D2

D1

D2

DCONMS _{h6}	HF _{0/-0,1}	RADW	WF _{0/+0,3}	WF2 _{0/+0,3}	OAW	h ₅	RADH	LF _{0/+0,5}	LPR	Article no. 82 222 ...	Article no. 82 224 ...
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
25	16	33,0	19,0	19,0	66	22,0	30	34	48	250	
25	16	33,0	19,0	19,0	66	25,0	30	34	48		250
30	20	35,0	17,0	23,0	76	28,0	38	42	60	300	
30	20	35,0	17,0	23,0	76	35,0	38	42	60		300
40	25	42,5	20,5	25,5	90	32,5	48	50	72	400	
40	25	42,5	20,5	25,5	90	42,5	48	50	72		400

Cylindrical tool holders

- ▲ For tools with cylindrical shank to DIN 6535 and DIN 1835 Form E (Whistle Notch)
- ▲ Coolant supply either centrally through the tool or via the adjustable ball spray nozzles

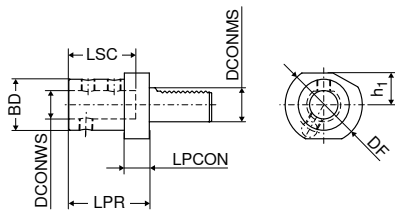
E

DCONMS _{h6}	DCONWS	DF	BD	h ₁	LPR	LPCON	LSC	Article no. 83 269 ...
mm	mm	mm	mm	mm	mm	mm	mm	
20	6	50	45	23,0	60	22	40	206
20	8	50	45	23,0	60	22	40	208
20	10	50	45	23,0	60	22	44	210
20	12	50	45	23,0	60	22	49	212
20	14	50	45	23,0	62	22	49	214
20	16	50	45	23,0	67	22	52	216
20	18	50	45	23,0	67	22	52	218
20	20	50	45	23,0	67	22	52	220
30	6	68	52	28,0	67	22	35	306
30	8	68	52	28,0	67	22	35	308
30	10	68	52	28,0	67	22	39	310
30	12	68	52	28,0	67	22	44	312
30	14	68	52	28,0	67	22	44	314
30	16	68	52	28,0	67	22	47	316
30	18	68	52	28,0	67	22	47	318
30	20	68	52	28,0	67	22	52	320
40	6	83	52	32,5	67	22	35	406
40	8	83	52	32,5	67	22	35	408
40	10	83	52	32,5	67	22	39	410
40	12	83	52	32,5	67	22	44	412
40	14	83	52	32,5	67	22	44	414
40	16	83	52	32,5	67	22	47	416
40	18	83	52	32,5	67	22	47	418
40	20	83	52	32,5	67	22	52	420

Cylindrical tool holders for indexable insert drills

▲ For drilling tools with internal coolant supply

E1



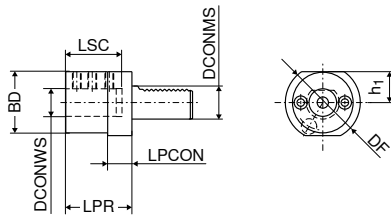
DCONMS _{h6}	DCONWS _{H6}	DF	BD	h ₁	LPR	LPCON	LSC	Article no. 82 274 ...
mm	mm	mm	mm	mm	mm	mm	mm	
20	16	50	36	23,0	67	18	54	200
20	20	50	40	23,0	67	18	54	201
20	25	50	45	23,0	71	18	59	202
25	16	58	36	25,0	67	18	54	250
25	20	58	40	25,0	67	18	54	251
25	25	58	45	25,0	71	18	59	252
30	16	68	36	28,0	67	22	54	300
30	20	68	40	28,0	67	22	54	301
30	25	68	45	28,0	71	22	59	302
30	32	68	52	28,0	75	22	63	303
30	40	68	60	28,0	87	22	73	304
40	16	83	36	32,5	67	22	54	400
40	20	83	40	32,5	67	22	54	401
40	25	83	45	32,5	75	22	59	402
40	32	83	52	32,5	75	22	63	403
40	40	83	60	32,5	90	22	73	404
50	20	98	40	35,0	80	30	54	500
50	25	98	45	35,0	80	30	59	501
50	32	98	52	35,0	80	30	63	502
50	40	98	60	35,0	90	30	73	503
50	50	98	70	35,0	100	30	83	504

i Spare parts can be found in → **Chapter 17, Accessories**

Boring bar holder

- ▲ For turning tools with cylindrical shank
- ▲ Coolant supply either through the tool or via the ball-shaped spray nozzle

E2



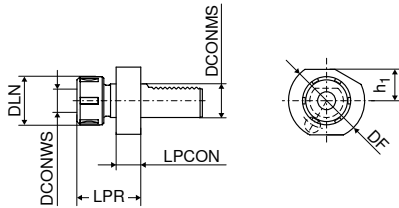
DCONMS _{h6}	DCONWS _{H7}	DF	BD	h ₁	LPR	LPCON	LSC	Article no. 82 268 ...
mm	mm	mm	mm	mm	mm	mm	mm	
16	6	40	32	18,0	44	13	34	160 ¹⁾
16	8	40	32	18,0	44	13	34	161 ¹⁾
16	10	40	32	18,0	44	13	34	162 ¹⁾
16	12	40	40	18,0	44	13	34	163 ¹⁾
16	16	40	40	18,0	44	13	34	164 ¹⁾
20	8	50	40	23,0	50	18	41	200
20	10	50	40	23,0	50	18	41	201
20	12	50	40	23,0	50	18	41	202
20	16	50	40	23,0	50	18	41	203
20	20	50	50	23,0	50	18	41	204
20	25	50	50	23,0	60	18	51	205
25	8	58	40	25,0	50	18	41	250
25	10	58	40	25,0	50	18	41	251
25	12	58	40	25,0	50	18	41	252
25	16	58	40	25,0	50	18	41	253
25	20	58	58	25,0	50	18	41	254
25	25	58	58	25,0	60	18	51	255
30	8	68	55	28,0	60	22	51	300
30	10	68	55	28,0	60	22	51	301
30	12	68	55	28,0	60	22	51	302
30	16	68	55	28,0	60	22	51	303
30	20	68	55	28,0	60	22	51	304
30	25	68	55	28,0	60	22	51	305
30	32	68	68	28,0	75	22	61	306
40	8	83	55	32,5	75	22	61	400
40	10	83	55	32,5	75	22	61	401
40	12	83	55	32,5	75	22	61	402
40	16	83	55	32,5	75	22	61	403
40	20	83	55	32,5	75	22	61	404
40	25	83	55	32,5	75	22	61	405
40	32	83	83	32,5	75	22	61	406
40	40	83	83	32,5	90	22	76	407
50	12	98	68	35,0	90	30	76	500
50	16	98	68	35,0	90	30	76	501
50	20	98	68	35,0	90	30	76	502
50	25	98	68	35,0	90	30	76	503
50	32	98	68	35,0	90	30	76	504
50	40	98	98	35,0	90	30	76	505
50	50	98	98	35,0	100	30	86	506

1) Coolant supply through pipe joint

i Spare parts + accessories can be found in → **Chapter 17, Accessories**

OZ-Collet chuck

E3

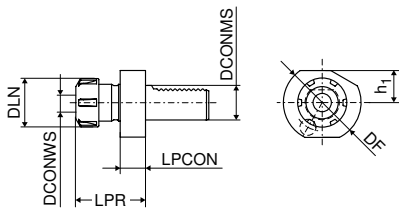


DCONMS _{h6}	DCONWS	DF	DLN	h ₁	LPR	LPCON	for collet	Article no. 82 285 ...
mm	mm	mm	mm	mm	mm	mm		
20	2 - 16	50	43	23,0	57	18	415E / 421E (OZ)	202
30	2 - 16	68	43	28,0	57	22	415E / 421E (OZ)	301
30	2 - 25	68	60	28,0	75	22	459E / 462E (OZ)	302
40	2 - 25	83	60	32,5	75	22	459E / 462E (OZ)	402
40	4 - 32	83	72	32,5	90	22	460E / 467E (OZ)	403
50	2 - 25	98	60	35,0	75	30	459E / 462E (OZ)	500
50	4 - 32	98	72	35,0	90	30	460E / 467E (OZ)	501

i Collets can be found on → **Page 217+218.**

ER Collet chucks

E4



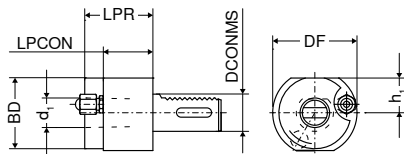
DCONMS _{h6}	DCONWS	DF	DLN	h ₁	LPR	LPCON	for collet	Article no. 82 286 ...
mm	mm	mm	mm	mm	mm	mm		
16	1 - 10	40	28	18,0	45,5	14	426E (ER16)	160
16	1 - 13	40	34	18,0	44,0	14	428E (ER20)	161
20	1 - 16	50	42	23,0	57,0	18	430E (ER25)	202
20	2 - 20	50	50	23,0	62,0	18	470E (ER32)	203
25	1 - 16	58	42	25,0	57,0	18	430E (ER25)	250
25	2 - 20	58	50	25,0	62,0	18	470E (ER32)	251
30	1 - 16	68	42	28,0	57,0	22	430E (ER25)	300
30	2 - 20	68	50	28,0	75,0	22	470E (ER32)	301
40	1 - 16	83	42	32,5	63,0	22	430E (ER25)	400
40	2 - 20	83	50	32,5	75,0	22	470E (ER32)	401
40	3 - 26	83	63	32,5	75,0	22	472E (ER40)	402
50	2 - 20	94	50	35,0	75,0	30	470E (ER32)	500
50	3 - 26	94	63	35,0	63,0	30	472E (ER40)	501

i Collets can be found on → **Page 208–213.**

Morse taper adapters

▲ For taper shanks with ejector tang

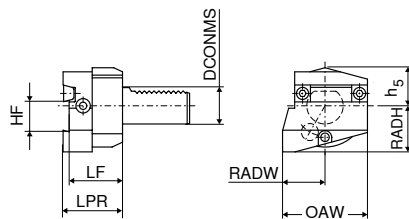
F1



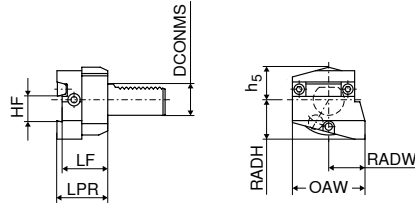
DCONMS _{h6}	d ₁	BD	DF	h ₁	LPR	LPCON	Article no. 82 277 ...
mm		mm	mm	mm	mm	mm	
20	MK1		50	23,0	23		200
20	MK2		50	23,0	87		201
30	MK1		68	28,0	27		300
30	MK2		68	28,0	27		301
30	MK3	58	68	28,0	55	40	302
40	MK2	55	83	32,5	36	22	401
40	MK3	58	83	32,5	36	22	402
40	MK4	68	83	32,5	80	22	403
50	MK2	55	98	35,0	36	30	500
50	MK3	58	98	35,0	36	30	501
50	MK4	68	98	35,0	50	30	502

Parting blade holders, height adjustable

- ▲ Vertical adjustment ± 1 mm
- ▲ Suitable for internal cooling through the parting blade
- ▲ Axially parallel, adjustable external coolant supply



left



right



DCONMS _{h6}	OAW	RADW	HF	h ₅	RADH	LF	LPR
mm	mm	mm	mm	mm	mm	mm	mm
25	53	28,0	26	25,0	30	35	40
30	70	35,0	26	28,0	38	44	49
30	70	35,0	32	30,5	38	44	49
40	73	42,5	26	32,0	48	44	49
40	85	42,5	32	32,0	48	44	49

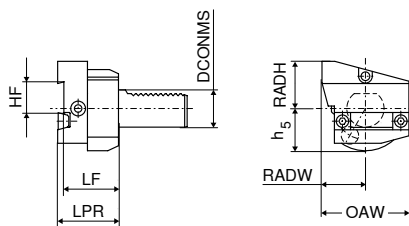
Left-hand

Right-hand

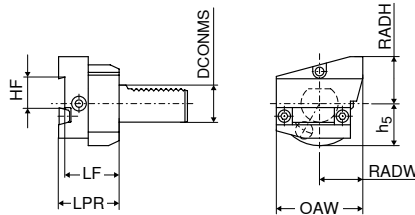
Article no. 82 237 ...	Article no. 82 236 ...
300	250
302	300
040	302
400	040
	400

Parting blade holders, height adjustable, overhead

- ▲ Vertical adjustment ± 1 mm
- ▲ Suitable for internal cooling through the parting blade
- ▲ Axially parallel, adjustable external coolant supply



left



right



DCONMS _{h6}	OAW	RADW	HF	h ₅	RADH	LF	LPR
mm	mm	mm	mm	mm	mm	mm	mm
30	70	35,0	26	34,0	38	44	49
30	70	35,0	32	30,5	38	44	49
40	73	42,5	26	32,0	48	44	49
40	85	42,5	32	32,0	48	44	49

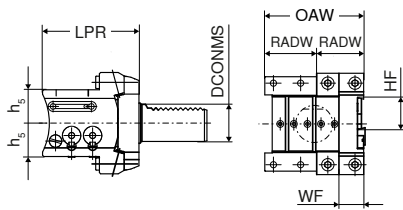
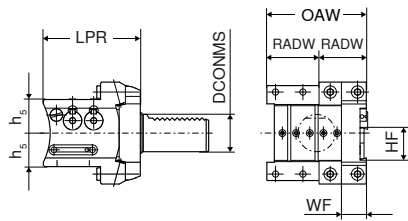
Left-hand

Right-hand

Article no. 82 243 ...	Article no. 82 242 ...
300	300
302	302
040	040
400	400

Parting blade holders, height adjustable

- ▲ Vertical adjustment ± 1 mm
- ▲ Suitable for internal cooling through the parting blade
- ▲ Axially parallel, adjustable external coolant supply



DCONMS _{h6}	OAW	RADW	HF	h ₅	WF	LPR
mm	mm	mm	mm	mm	mm	mm
30	80	40	26	27	20	78
40	80	40	26	27	20	88
40	80	40	32	32	20	88

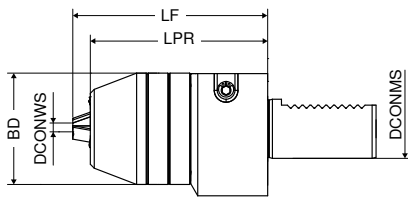
Universal		Universal-overhead	
Article no.		Article no.	
82 238 ...		82 244 ...	
300		300	
400		400	
402		402	

Short drill chuck NC2010

- ▲ Coolant supply via 3 adjustable ball-shaped spray nozzles in the housing
- ▲ Independent of direction of rotation

Scope of supply:

Basic body including chuck key SW 4

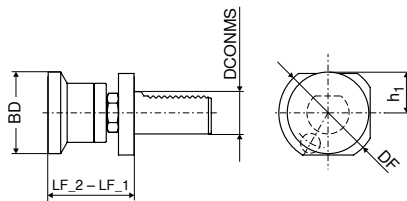


DCONMS _{h6}	DCONWS	BD	LPR	LF	Article no. 84 297 ...
mm	mm	mm	mm	mm	
20	0,5 - 10	48,5	40	50	210 ¹⁾
30	0,5 - 13	56,5	90	99	313
30	2,5 - 16	56,5	90	99	316
40	0,5 - 13	56,5	90	99	413
40	2,5 - 16	56,5	90	99	416

1) Without Through Coolant

Material stops

- ▲ Revolving, length adjustable

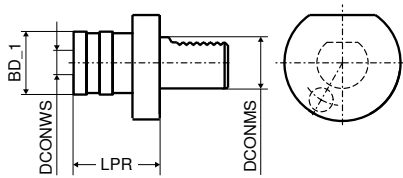


DCONMS _{h6}	BD	DF	h ₁	LF_2	LF_1	Article no. 83 292 ...
mm	mm	mm	mm	mm	mm	
20	26	50	23,0	50	70	200 ¹⁾
20	32	50	23,0	50	70	201 ¹⁾
20	42	50	23,0	50	70	202 ¹⁾
30	32	68	28,0	62	95	300
30	42	68	28,0	62	95	301
30	58	68	28,0	62	95	302
40	32	83	32,5	62	95	400
40	42	83	32,5	62	95	401
40	58	83	32,5	62	95	402

1) Without VDI location

Quick-change tap chucks GSF

▲ LZD = Length compensation under tension and compression



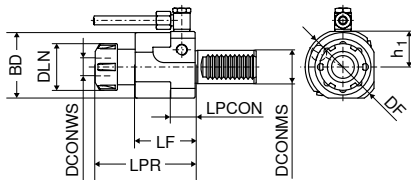
DCONMS _{h6}	cutting range	SZID	DCONWS	BD_1	LPR	LZD±	Article no. 83 307 ...
mm			mm	mm	mm	mm	
20	M3 - M12	01	19	38	55	9	112
25	M3 - M12	01	19	38	55	9	212
30	M3 - M12	01	19	38	55	9	312
40	M3 - M12	01	19	38	55	9	412
20	M6 - M20	02	31	55	77	15	120
25	M6 - M20	02	31	55	77	15	220
30	M6 - M20	02	31	55	77	15	320
40	M6 - M20	02	31	55	77	15	420

i Quick change adapters can be found on → **Page 219–223.**

Tap holders with length compensation GML

▲ LZD = Length compensation under tension and compression

▲ For ER collets with internal square ISO 15488-A (DIN 6499-A)

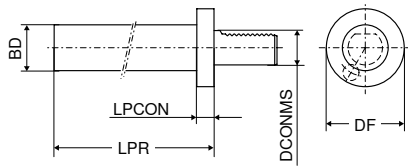


DCONMS	DCONWS	DLN	BD	DF	h ₁	LPR	LF	LPCON	LZD	for collet	Article no. 83 290 ...
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
20	0,5 - 10	28	45	50	23,0	65	40	18	6,0 / 1,5	4031E (ER16)	213
30	1 - 16	42	62	68	28,0	90	54	42	8,0 / 2,0	4282E (ER25)	316
40	1 - 16	42	62	83	32,5	85	49	42	8,0 / 2,0	4282E (ER25)	416

i ER collets can be found on → **Pages 208–213.**

Test arbors

▲ Radial run-out ≤ 0.02 mm



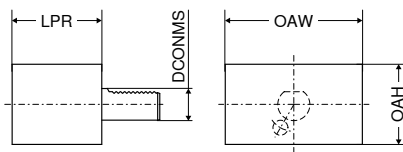
DCONMS	BD _{h5}	DF	LPR	LPCON
mm	mm	mm	mm	mm
16	30	40	120	15
20	40	50	150	15
30	40	68	200	15
40	40	83	200	15
50	40	98	200	15

Article no.
83 324 ...

016
020
030
040
050

Tool holders, rough machined, rectangular

▲ Manufactured from C45



A1



DCONMS _{h6}	LPR	OAW	OAH
mm	mm	mm	mm
16	44	78	44
20	65	100	60
25	75	100	60
30	85	130	76
40	100	151	96
50	125	160	120

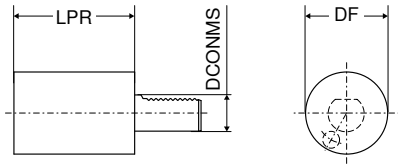
Article no.
82 327 ...

160
200
250
300
400
500

Tool holders, rough machined, round

▲ Manufactured from C45

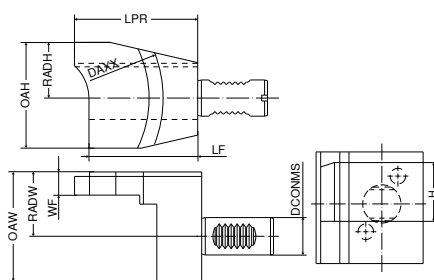
A2



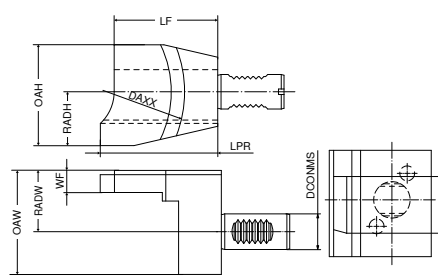
DCONMS _{h6}	LPR	DF	Article no. 82 330 ...
mm	mm	mm	
16	60	40	160
20	70	50	200
25	80	58	250
25	200	58	253
30	100	68	300
30	240	68	303
40	120	83	400
40	320	83	403
50	135	98	500
50	400	98	502

Parting blade holder

▲ Doubles = reciprocally interlocked VDI shank



double - overhead



double



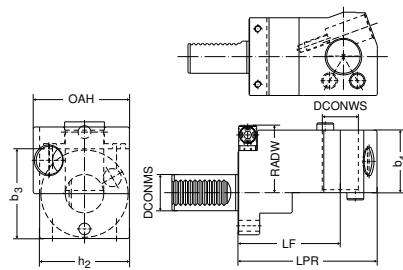
DCONMS	OAH	RADH	OAW	RADW	WF	LPR	LF	DAXX	H	double-overhead Article no. 65 170 ...	double Article no. 65 170 ...
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
20	94	47	95	60	15,5	85,5	75	176	26	040 ¹⁾	039 ¹⁾
25	73	39	72	43	15,5	85,0	75	176	26	042 ¹⁾	041 ¹⁾
25	73	39	72	43	15,5	85,0	75	176	32	044 ¹⁾	043 ¹⁾
30	100	50	95	60	15,5	85,5	75	176	26	046 ¹⁾	045 ¹⁾
30	100	50	95	60	15,5	85,5	75	176	32	048 ¹⁾	047 ¹⁾
40	100	50	95	60	15,5	85,5	75	176	26	050 ¹⁾	049 ¹⁾
40	100	50	95	60	15,5	85,5	75	176	32	052 ¹⁾	051 ¹⁾

1) Not ex-stock

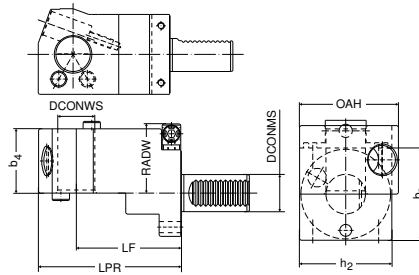
i With star turrets, there is the danger of a collision for failure to comply to the machine-default nominal maximum height (LPR).

90° VDI to VDI adapter, double sided

▲ For rotating toolholder



left



right



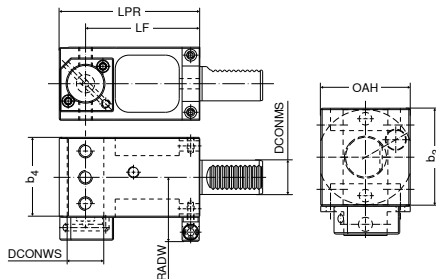
DCONMS	DCONWS	OAH	h ₂	b ₃	b ₄	RADW	LF	LPR	Left-hand		Right-hand	
									Article no. 65 170 ...		Article no. 65 170 ...	
mm	mm	mm	mm	mm	mm	mm	mm	mm				
25	20	60	54	60	44	48,0	75	100	012 ¹⁾		011 ¹⁾	
25	25	63	54	60	44	48,0	75	100	014		013 ¹⁾	
30	30	75	70	70	52	56,0	85	115	004		006 ¹⁾	
30	30	75	70	70	52	56,0	100	130	003 ¹⁾		005	
40	40	93	85	85	60	67,5	100	138	008		007	
40	40	93	85	85	60	67,5	120	158	009		010 ¹⁾	
50	50	109	90	100	72	73,5	120	165	002 ¹⁾		001 ¹⁾	

1) Not ex-stock

i With star turrets, there is the danger of a collision for failure to comply to the machine-default nominal maximum height (LPR).

Boring bar holder with through coolant

- ▲ Delivered as left hand tool
- ▲ Can be re-assembled as right hand tool
- ▲ External coolant supply available



left



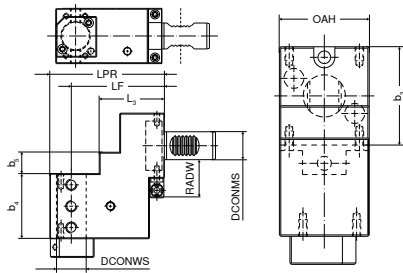
DCONMS	DCONWS	OAH	b ₃	b ₄	RADW	LF	LPR	right / left	
								Article no. 65 170 ...	
mm	mm	mm	mm	mm	mm	mm	mm		
25	25	54	60	60	48,0	75	97,5	065	
30	32	64	70	70	56,0	85	108,0	062	
30	32	64	70	70	56,0	100	123,0	063	
40	40	76	85	85	67,5	100	132,0	067	
40	40	76	85	85	67,5	120	152,0	068	
50	50	85	100	100	73,5	120	160,0	066 ¹⁾	

1) Not ex-stock

i With star turrets, there is the danger of a collision for failure to comply to the machine-default nominal maximum height (LPR).

Boring bar holder, with offset, with through coolant

- ▲ Doubles = reciprocally interlocked VDI shank
- ▲ External coolant supply available



double

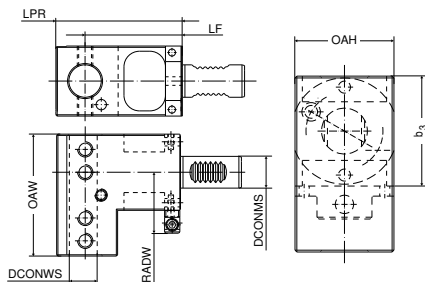
DCONMS	DCONWS	OAH	b ₃	b ₄	RADW	b ₅	LF	LPR	L ₃	Article no. 65 170 ...
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
25	25	54	60	60	48,0	20	75	97,5	48	069
30	32	64	70	70	56,0	30	100	123,0	70	070 ¹⁾
40	40	85	85	85	67,5	40	100	132,0	63	071 ¹⁾

1) Not ex-stock

i With star turrets, there is the danger of a collision for failure to comply to the machine-default nominal maximum height (LPR).

Double boring bar holder with through coolant

- ▲ Doubles = reciprocally interlocked VDI shank
- ▲ For use of two boring bars for main and sub-spindle machining
- ▲ External coolant supply available



double

DCONMS	DCONWS	OAH	b ₃	OAW	RADW	LF	LPR	Article no. 65 170 ...
mm	mm	mm	mm	mm	mm	mm	mm	
25	25	54	60	96	48,0	75	97,5	080 ¹⁾
30	32	64	70	120	56,0	85	108,0	082 ¹⁾
30	32	64	70	120	56,0	100	123,0	083 ¹⁾
40	40	76	85	120	67,5	120	152,0	084

1) Not ex-stock

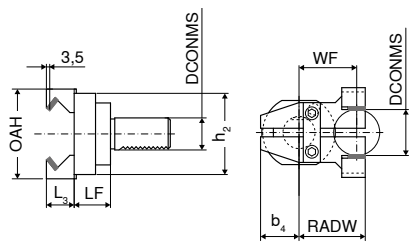
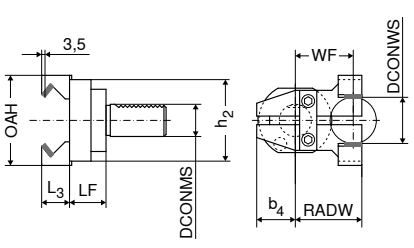
i With star turrets, there is the danger of a collision for failure to comply to the machine-default nominal maximum height (LPR).

Bar pullers for disc turrets, radial

- ▲ Two adjustable, spring-mounted, replaceable grippers are fitted to the main body. Each of these is equipped with a carbide insert. The grippers are set to a slightly smaller diameter than the bar and then pressed onto the bar in an axial direction (x axis) by the tool turret.
- ▲ GA = Gripper set

Scope of supply:

Bar puller incl. GA 1 for VDI 16, and GA 3 from VDI 20

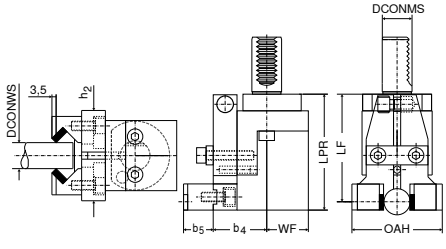
											
											
left										Left-hand	Right-hand
DCONMS _{h6}	DCONWS	RADW	WF	b ₄	OAH	h ₂	LF	L ₃	suitable for GA	Article no. 80 309 ...	Article no. 80 306 ...
mm	mm	mm	mm	mm	mm	mm	mm	mm			
16	2 - 22	35,0	28,5	26,5	73	55	27,8	24,5	1		160
20	2 - 42	60,5	54,0	36,0	86	76	33,7	26,0	3		200
30	2 - 65	60,5	54,0	36,0	102	76	33,7	26,0	3 - 4		300
30	2 - 65	47,5	41,0	49,0	102	76	33,7	26,0	3 - 4	300	
40	2 - 65	60,5	54,0	41,5	122	76	33,7	26,0	3 - 4	400	400

Bar pullers for star turrets

- ▲ Two adjustable, spring-mounted, replaceable grippers are fitted to the main body. Each of these is equipped with a carbide insert. The grippers are set to a slightly smaller diameter than the bar and then pressed onto the bar in an axial direction (x axis) by the tool turret.
- ▲ 90° angle head
- ▲ GA = Gripper set

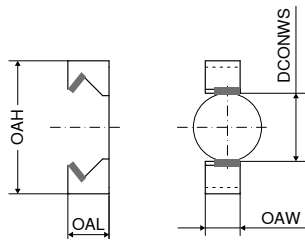
Scope of supply:

Bar puller with GA 3

											
left										Left-hand	
DCONMS _{h6}	DCONWS	LPR	LF	OAH	h ₂	b ₄	b ₅	WF	suitable for GA	Article no. 80 310 ...	
mm	mm	mm	mm	mm	mm	mm	mm	mm			
30	2 - 65	97	90,5	86	76	46,7	26	34,0	3 - 4		300
40	2 - 65	97	90,5	102	76	59,7	26	41,5	3 - 4		400

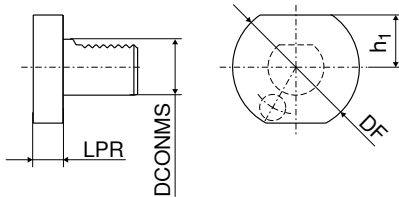
Gripper accessories

- ▲ For bar pullers 80 306 ... / 80 309 ... / 80 310 ...
▲ Price per pair

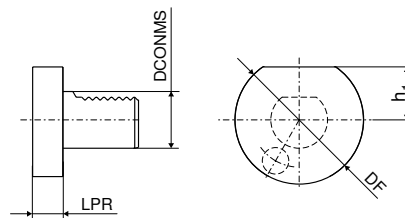


GA	DCONWS	OAL	OAW	OAH	Article no. 80 312 ...
	mm	mm	mm	mm	
1	2 - 22	24,5	13	58	022
3	2 - 42	26,0	22	86	042
4	42 - 65	29,5	22	102	065

Protection plugs



Steel



Plastic

Z2

Z2

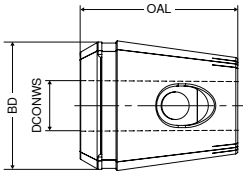


				Steel	Plastic
DCONMS _{h8}	DF		LPR	Article no. 82 317 ...	Article no. 83 318 ...
mm	mm	h ₁ mm	mm		
16	40	18,0	16	160	160
20	50	23,0	16	200	200
25	58	25,0	16	250	
30	68	28,0	16	300	300
40	83	32,5	20	400	400
50	98	35,0	20	500	500

ER wedge collet with pull out protection, for precision collet chuck

- ▲ Similar to DIN ISO 15488-B
- ▲ Slotted
- ▲ Double taper collet

Centro-P WD	ER 5 µm
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BD = 32,7
OAL = 40
ER 32

DCONWS

Article no.
83 629 ...

mm	
12	120
14	140
16	160
18	180



Conical spring

Spare parts DCONWS

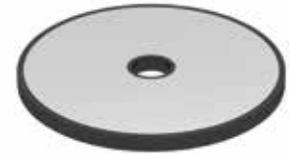
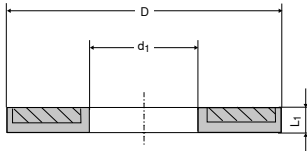
Article no.
83 950 ...

12 - 18	CP 32	455
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Sealing rings for precision collet chucks

- ▲ For sealing when using tools with internal cooling
- ▲ Sealing range: nominal diameter -0,1 mm / +0,4 mm
- ▲ Can be applied up to 80 bar

Centro-P



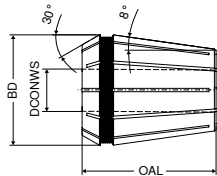
	D = 12,6 L ₁ = 2 426E (ER16)	D = 15,8 L ₁ = 2 428E (ER20)	D = 20,2 L ₁ = 2 430E (ER25)	D = 26,2 L ₁ = 2 444E / OZ (ER32)	D = 34,2 L ₁ = 2 472E (ER40)
	Article no. 83 690 ...	Article no. 83 694 ...	Article no. 83 691 ...	Article no. 83 692 ...	Article no. 83 693 ...
d ₁ mm					
1,0	010				
1,5	015				
2,0	020	020	020	020	
2,5	025	025	025	025	
3,0	030	030	030	030	030
3,5	035	035	035	035	035
4,0	040	040	040	040	040
4,5	045	045	045	045	045
5,0	050	050	050	050	050
5,5	055	055	055	055	055
6,0	060	060	060	060	060
6,5	065	065	065	065	065
7,0	070	070	070	070	070
7,5	075	075	075	075	075
8,0	080	080	080	080	080
8,5	085	085	085	085	085
9,0	090	090	090	090	090
9,5	095	095	095	095	095
10,0	100	100	100	100	100
10,5		105	105	105	105
11,0		110	110	110	110
11,5		115	115	115	115
12,0		120	120	120	120
12,5		125	125	125	125
13,0		130	130	130	130
13,5			135	135	135
14,0			140	140	140
14,5			145	145	145
15,0			150	150	150
15,5			155	155	155
16,0			160	160	160
16,5				165	165
17,0				170	170
17,5				175	175
18,0				180	180
18,5				185	185
19,0				190	190
19,5				195	195
20,0				200	200
20,5					205
21,0					210
21,5					215
22,0					220
22,5					225
23,0					230
23,5					235
24,0					240
24,5					245
25,0					250
25,5					255
26,0					260

Precision ER collet for precision collet chuck

- ▲ DIN ISO 15488-B (old DIN 6499-B)
- ▲ 12 times slotted
- ▲ Double taper collet
- ▲ Coloured ring as identification of precision collet
- ▲ ER08: 5 µm runout and repeatability

Centro-P
Coated

ER-B
2 µm



	BD = 8,5 OAL = 13,6 4004 E / ER08	BD = 11,5 OAL = 18 4008 E / ER11	BD = 17 OAL = 27,5 426 E / ER16	BD = 26 OAL = 34 430 E / ER25	BD = 33 OAL = 40 470 E / ER32	BD = 41 OAL = 46 472 E / ER40
DCONWS	Article no. 84 577 ...	Article no. 84 585 ...	Article no. 84 596 ...	Article no. 84 597 ...	Article no. 84 598 ...	Article no. 84 599 ...
mm						
1,0	010	010	010			
1,1			011			
1,2			012			
1,4			014			
1,5	015	015	015			
1,6			016			
1,8			018			
2,0	020	020	020	020	020	
2,2			022			
2,4			024			
2,5	025	025	025	025		
2,6			026			
2,8			028			
3,0	030	030	030 ¹⁾	030	030	030
3,2			032			
3,4			034			
3,5	035	035	035	035		
3,6			036			
3,8			038			
4,0	040	040	040 ¹⁾	040	040 ¹⁾	040
4,5	045	045	045	045		
5,0	050	050	050 ¹⁾	050	050	050
5,5		055	055	055		
5,6			056			
6,0		060	060 ¹⁾	060 ¹⁾	060 ¹⁾	060
6,3			063			
6,5		065	065	065		
7,0		070	070 ¹⁾	070	070	070
7,1			071			
7,5			075	075		
8,0			080 ¹⁾	080 ¹⁾	080 ¹⁾	080
8,5			085	085		
9,0			090	090	090	090
9,5			095	095		
10,0			100 ¹⁾	100 ¹⁾	100 ¹⁾	100
10,5				105		
11,0				110	110	110
11,5				115		
12,0				120 ¹⁾	120 ¹⁾	120
12,5				125		
13,0				130	130	130
13,5				135		
14,0				140 ¹⁾	140 ¹⁾	140
14,5				145		
15,0				150	150	150
15,5				155		
16,0				160 ¹⁾	160 ¹⁾	160
17,0					170	170
18,0					180	180
19,0					190	190
20,0					200 ¹⁾	200
21,0						210
22,0						220
23,0						230
24,0						240
25,0						250
26,0						260
Set in wooden box			999	999	999	

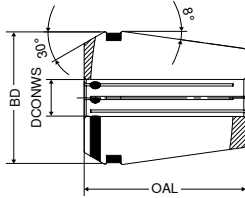
1) Included in the set

i Clamping range covered: H10 corresponding to shank Ø DCONWS

ER precision collet, sealed, for precision collet chuck

- ▲ Similar to DIN ISO 15488-A
- ▲ 8 slotted
- ▲ Coloured ring as identification of precision collet
- ▲ $p_{max} = 120$ bar

Centro-P Coated	ER-A 2 μ m
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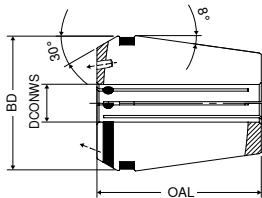


	BD = 11,3 OAL = 18 425 E / ER11	BD = 16,7 OAL = 27,5 425 E / ER16	BD = 25,7 OAL = 34 429 E / ER25	BD = 32,7 OAL = 40 469 E / ER32	BD = 40,7 OAL = 46 471 E / ER40
DCONWS	Article no. 84 536 ...	Article no. 84 537 ...	Article no. 84 538 ...	Article no. 84 539 ...	Article no. 84 540 ...
mm					
3	030	030	030	030	
4	040	040	040	040	
5	050	050	050	050	
6	060	060	060	060	060
7		070	070	070	
8		080	080	080	080
9		090	090	090	
10		100	100	100	100
11			110	110	
12			120	120	120
13			130	130	
14			140	140	140
15			150	150	
16			160	160	160
17				170	
18				180	180
19				190	
20				200	200
22					220
25					250

ER precision collet, sealed with coolant channels, for precision collet chuck

- ▲ Similar to DIN ISO 15488-A
- ▲ 8 slotted
- ▲ Coloured ring as identification of precision collet

Centro-P Coated	ER-A 2 µm
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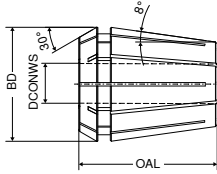


DCONWS				
	BD = 16,7 OAL = 27,5 425 E / ER16	BD = 25,7 OAL = 34 429 E / ER25	BD = 32,7 OAL = 40 469 E / ER32	BD = 40,7 OAL = 46 471 E / ER40
mm	Article no. 84 548 ...	Article no. 84 549 ...	Article no. 84 550 ...	Article no. 84 551 ...
4	040	040	040	
6	060	060	060	
8	080	080	080	
10		100	100	100
12		120	120	120
14		140	140	
16			160	160
18			180	
20			200	200
25				250

ER precision collet

- ▲ DIN ISO 15488-B (old DIN 6499-B)
- ▲ 12 times slotted
- ▲ Double taper collet

Coated
ER-B
5 µm



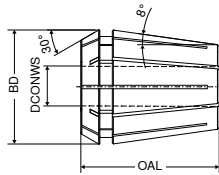
DCONWS						
	BD = 11,5 OAL = 18 4008 E / ER11	BD = 17 OAL = 27,5 426 E / ER16	BD = 21 OAL = 31,5 428 E / ER20	BD = 26 OAL = 34 430 E / ER25	BD = 33 OAL = 40 470 E / ER32	BD = 41 OAL = 46 472 E / ER40
	Article no. 84 576 ...	Article no. 84 578 ...	Article no. 84 579 ...	Article no. 84 580 ...	Article no. 84 581 ...	Article no. 84 582 ...
mm						
1,0	010	010	010 ¹⁾	010 ¹⁾		
1,5	015	015 ¹⁾	015 ¹⁾	015 ¹⁾		
2,0	020	020	020	020	020 ¹⁾	
2,5	025	025 ¹⁾	025 ¹⁾	025	025 ¹⁾	
3,0	030	030	030	030	030	030 ¹⁾
3,5	035					
4,0	040	040	040	040	040	040
4,5	045					
5,0	050	050	050	050	050	050
5,5	055					
6,0	060	060	060	060	060	060
6,5	065					
7,0	070	070	070	070	070	070
8,0		080	080	080	080	080
9,0		090	090	090	090	090
10,0		100	100	100	100	100
11,0			110	110	110	110
12,0			120	120	120	120
13,0			130	130	130	130
14,0				140	140	140
15,0				150	150	150
16,0				160	160	160
17,0					170	170
18,0					180	180
19,0					190	190
20,0					200	200
21,0						210
22,0						220
23,0						230
24,0						240
25,0						250
26,0						260
Set in wooden box	999	999	999	999	999	999

1) Not included in the set

i Clamping range covered: up to Ø 2 mm = 0.5 mm, from Ø 2.5 mm = 1 mm

ER collet

- ▲ DIN ISO 15488-B (old DIN 6499-B)
- ▲ 12 times slotted
- ▲ Double taper clamping

ER-B
10 µm

DCONWS	BD = 8,5 OAL = 13,6 4004 E / ER08		BD = 17 OAL = 27,5 426 E / ER16		BD = 26 OAL = 34 430 E / ER25		BD = 33 OAL = 40 470 E / ER32	
	Article no. 84 574 ...		Article no. 83 665 ...		Article no. 83 667 ...		Article no. 83 668 ...	
mm								
1,0	010 ¹⁾		010					
1,0								
1,5	015 ¹⁾							
2,0			020		020			
2,0	020 ¹⁾							
2,5	025 ¹⁾							
3,0	030 ¹⁾							
3,0			030		030		030	
3,5	035 ¹⁾							
4,0	040 ¹⁾							
4,0			040		040		040	
4,5	045 ¹⁾							
5,0	050 ¹⁾							
5,0			050		050		050	
6,0			060		060		060	
7,0			070		070		070	
8,0			080		080		080	
9,0			090		090		090	
10,0			100		100		100	
11,0					110		110	
12,0					120		120	
13,0					130		130	
14,0					140		140	
15,0					150		150	
16,0					160		160	
17,0							170	
18,0							180	
19,0							190	
20,0							200	
Set in wooden box	999 ¹⁾							

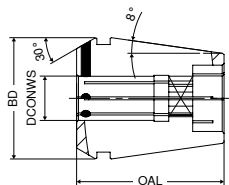
1) Type Coated - coated collet

i Clamping range covered: up to Ø 2 mm = 0.5 mm, from Ø 3 mm = 1 mm

ER precision tap collet

- ▲ Similar to DIN ISO 15488-A
- ▲ 8 slotted
- ▲ For Centro-P and standard collet chucks
- ▲ $p_{\max} = 120$ bar

Coated
ER-A
10 μm



DCONWS

mm
2,8
3,5
4,0
4,5
6,0
7,0
8,0
9,0
10,0
11,0
12,0
14,0
16,0
18,0
20,0

BD = 16,7
OAL = 27,5
4031 E / ER16

BD = 25,7
OAL = 34
4282 E / ER25

BD = 32,7
OAL = 40
4537 E / ER32

Article no.
84 531 ...

Article no.
84 533 ...

Article no.
84 534 ...

028
035
040
045
060
070
080
090

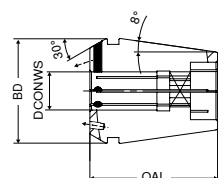
035
040
045
060
070
080
090
100
110
120
140
160

040
045
060
070
080
090
100
110
120
140
160
180
200

ER precision collet, sealed with coolant channels

- ▲ Similar to DIN ISO 15488-A
- ▲ 8 slotted
- ▲ For Centro-P and standard collet chucks

Coated
ER-A
10 μm



DCONWS

mm
3,5
4,5
6,0
7,0
8,0
9,0
10,0
11,0
12,0
14,0
16,0
18,0
20,0

BD = 16,7
OAL = 27,5
4537 E / ER16

BD = 25,7
OAL = 34
4537 E / ER25

BD = 32,7
OAL = 40
4537 E / ER32

Article no.
84 567 ...

Article no.
84 568 ...

Article no.
84 569 ...

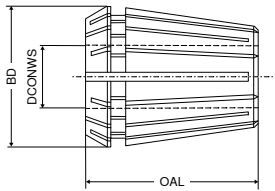
035
045
060
070
080

045
060
070
080
090
100
110
120
140

045
060
070
080
090
100
110
120
140
160
180
200

ER precision collet

- ▲ DIN ISO 15488-B (old DIN 6499-B)
- ▲ Double taper collet
- ▲ 16 times slotted

ER-B
20 µm

DCONWS mm	BD = 17 OAL = 27,5 426 E / ER16		BD = 21 OAL = 31,5 428 E / ER20		BD = 26 OAL = 34 430 E / ER25		BD = 33 OAL = 40 470 E / ER32		BD = 41 OAL = 46 472 E / ER40	
	Article no. 82 673 ...		Article no. 82 674 ...		Article no. 82 675 ...		Article no. 82 676 ...		Article no. 82 677 ...	
1	01000		01000 ¹⁾							
2	02000		02000 ¹⁾		02000 ¹⁾					
3	03000		03000		03000		03000		03000	
4	04000		04000		04000		04000		04000	
5	05000		05000		05000		05000		05000	
6	06000		06000		06000		06000		06000	
7	07000		07000		07000		07000		07000	
8	08000		08000		08000		08000		08000	
9	09000		09000		09000		09000		09000	
10	10000		10000		10000		10000		10000	
11			11000		11000		11000		11000	
12			12000		12000		12000		12000	
13			13000		13000		13000		13000	
14					14000		14000		14000	
15					15000		15000		15000	
16					16000		16000		16000	
17							17000		17000	
18							18000		18000	
19							19000		19000	
20							20000		20000	
21									21000	
22									22000	
23									23000	
24									24000	
25									25000	
26									26000	
Set in wooden box	99900		99900		99900		99900		99900	

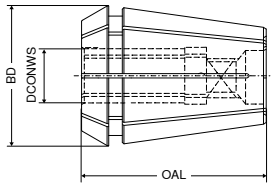
1) Not included in the set

i Clamping range covered: up to Ø 3 mm = 0.5 mm, from Ø 4 mm = 1 mm

ER collet with internal square

- ▲ DIN ISO 15488-A (old DIN 6499-A)
- ▲ 8 times slotted
- ▲ Double taper collets for holding taps on synchronised spindle machines, without compensating lengths

ER-A
15 µm



DCONWS

mm	Article no. 82 650 ...	Article no. 82 651 ...	Article no. 82 652 ...
4,5	04500	04500	
5,5	05500	05500	
6,0	06000	06000	
7,0	07000	07000	07000
8,0	08000	08000	08000
9,0	09000	09000	09000
10,0	10000	10000	10000
11,0	11000	11000	11000
12,0	12000	12000	12000
14,0		14000	14000
16,0		16000	16000
18,0			18000
20,0			20000

BD = 25,7 OAL = 34 430 E / ER25	BD = 32,7 OAL = 40 470 E / ER32	BD = 40,7 OAL = 46 472 E / ER40
---------------------------------------	---------------------------------------	---------------------------------------

Wooden boxes for collets

- ▲ For collets form A+B

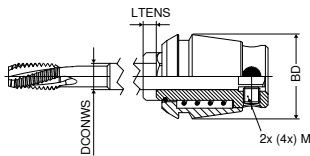


Size	Piece	Article no. 83 689 ...
4004 E / ER08	9	008
4008 E / ER11	13	011
426 E / ER16	10	116
428 E / ER20	11	020
430 E / ER25	14	025
470 E / ER32	18	032
472 E / ER40	24	040

Tapping Collet Form ET (ER) with length compensation

- ▲ DIN ISO 15488 (old DIN 6499)
- ▲ With pull out length compensation (LTENS)
- ▲ The spring force is adapted to the thread size
- ▲ Anti-rotation by 2 and/or 4 clamping screws on the shank square drive

ER
10 µm



DCONWS	BD = 17 LTENS = 7 426 E / ER16		BD = 21 LTENS = 7 428 E / ER20		BD = 26 LTENS = 8 430 E / ER25		BD = 33 LTENS = 10 470 E / ER32		BD = 41 LTENS = 13 472 E / ER40	
	Article no. 80 661 ...		Article no. 80 662 ...		Article no. 80 663 ...		Article no. 80 664 ...		Article no. 80 665 ...	
	mm									
2,2	022		022							
2,5	025		025		025					
2,8	028		028		028					
3,0	030		030		030					
3,5	035		035		035					
4,0	040		040		040					
4,5	045		045		045		045			
5,0							050			
5,5	055		055		055		055			
6,0	060		060		060		060		060	
7,0			070		070		070		070	
8,0					080		080		080	
9,0					090		090		090	
10,0					100		100		100	
11,0							110		110	
12,0							120		120	
14,0									140	
16,0									160	

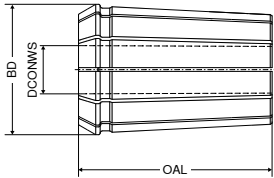


When using CNC machines apply canned cycles with a feed rate or pitch of only 95 % with small threads and up to 99 % with large threads. In this way when reversing the rotation of the spindle an optimum length compensation in both directions is guaranteed.

OZ Precision collet for precision collet chuck

- ▲ DIN ISO 10897-B (old DIN 6388-B)
- ▲ $\varnothing = 10\text{ mm}$ 10 slots, $\varnothing > 10\text{ mm}$ 12 slots
- ▲ Double angle collets

OZ-B 3 μm	Centro-P
--	-----------------



BD = 35,05
OAL = 52
462 E / OZ

DCONWS

Article no.
83 660 ...

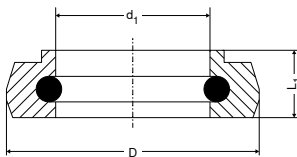
mm	
3	030
4	040
6	060
8	080
10	100
12	120
14	140
16	160
18	180
20	200
25	250

i Clamping range covered: H10 corresponding to shank $\varnothing$ DCONWS

Sealing ring for OZ Collet Chuck 462E

- ▲ For use for sealing tools with through coolant
- ▲ Seal diameter: Nominal diameter - 0.5 mm
- ▲ Use up to 150 bar

OZ-B 5 μm
--



D = 31
L₁ = 4
462E

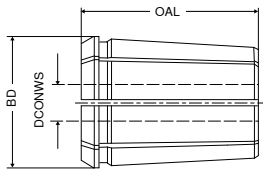
Article no.
83 675 ...

d ₁ mm	
4	040
5	050
6	060
8	080
10	100
12	120
14	140
16	160
18	180
20	200
22	220
25	250

OZ-collets

▲ DIN ISO 10897-B (old DIN 6388-B)

▲ Ø = 10 mm 10 slots, Ø > 10 mm 12 slots

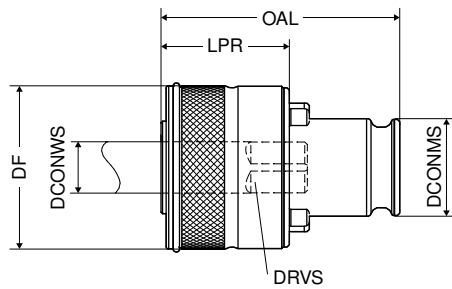


	OZ-B 6 µm	OZ-B 6 µm	OZ-B 10 µm	OZ-B 20 µm	OZ-B 20 µm	OZ-B 20 µm
	BD = 25,5 OAL = 40 415 E / OZ	BD = 35,05 OAL = 52 462 E / OZ	BD = 43,7 OAL = 60 467 E / OZ	BD = 25,5 OAL = 40 415 E / OZ	BD = 35,05 OAL = 52 462 E / OZ	BD = 43,7 OAL = 60 467 E / OZ
DCONWS	Article no. 83 651 ...	Article no. 83 652 ...	Article no. 83 653 ...	Article no. 82 653 ...	Article no. 82 654 ...	Article no. 82 655 ...
mm						
2,0				02000	02000	
2,5				02500	02500	
3,0	030			03000	03000	
3,5				03500	03500	
4,0	040	040		04000	04000	04000
4,5				04500	04500	04500
5,0	050	050		05000	05000	05000
5,5				05500	05500	05500
6,0	060	060		06000	06000	06000
6,5				06500	06500	06500
7,0				07000	07000	07000
7,5				07500	07500	07500
8,0	080	080		08000	08000	08000
8,5				08500	08500	08500
9,0				09000	09000	09000
9,5				09500	09500	09500
10,0	100	100	100	10000	10000	10000
10,5				10500	10500	10500
11,0				11000	11000	11000
11,5				11500	11500	11500
12,0	120	120	120	12000	12000	12000
12,5				12500	12500	12500
13,0				13000	13000	13000
13,5				13500	13500	13500
14,0		140	140	14000	14000	14000
14,5				14500	14500	14500
15,0				15000	15000	15000
15,5				15500	15500	15500
16,0	160	160	160	16000	16000	16000
16,5					16500	16500
17,0					17000	17000
17,5					17500	17500
18,0		180	180		18000	18000
18,5					18500	18500
19,0					19000	19000
19,5					19500	19500
20,0		200	200		20000	20000
20,5					20500	20500
21,0					21000	21000
21,5					21500	21500
22,0					22000	22000
22,5					22500	22500
23,0					23000	23000
23,5					23500	23500
24,0					24000	24000
24,5					24500	24500
25,0		250	250		25000	25000
25,5						25500
26,0						26000
26,5						26500
27,0						27000
27,5						27500
28,0						28000
28,5						28500
29,0						29000
29,5						29500
30,0			300			30000
30,5						30500
31,0						31000
31,5						31500
32,0			320			32000

i The collet has a clamping range of 0.5 mm (+0.1 / -0.4 mm)

Quick change tap adapter with overload clutch

- ▲ Adapter with adjustable overload clutch
- ▲ For use with taps

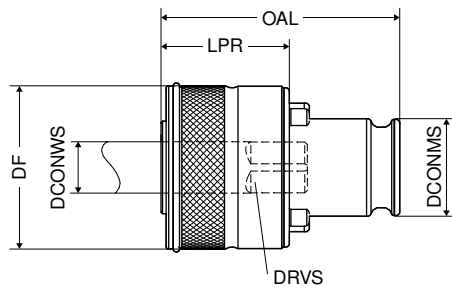


A

SZID	DCONWS	DRVS	DIN 371	DIN 374 / 376	DF	DCONMS	OAL	LPR	Article no. 83 612 ...
	mm	mm			mm	mm	mm	mm	
01	2,8	2,1	M2		33	19	46,5	25	100
01	2,8	2,1	M2,5		33	19	46,5	25	101
01	3,5	2,7	M3		33	19	46,5	25	102
01	4,0	3,0	M3,5		33	19	46,5	25	103
01	4,5	3,4	M4		33	19	46,5	25	104
01	6,0	4,9	M4,5		33	19	46,5	25	105
01	6,0	4,9	M5		33	19	46,5	25	106
01	4,5	3,4		M6	33	19	46,5	25	107
01	6,0	4,9	M6		33	19	46,5	25	108
01	5,5	4,3		M7	33	19	46,5	25	109
01	7,0	5,5	M7		33	19	46,5	25	110
01	6,0	4,9		M8	33	19	46,5	25	111
01	8,0	6,2	M8		33	19	46,5	25	112
01	9,0	7,0	M9		33	19	46,5	25	113
01	7,0	5,5		M10	33	19	46,5	25	114
01	10,0	8,0	M10		33	19	46,5	25	115
01	8,0	6,2		M11	33	19	46,5	25	116
01	9,0	7,0		M12	33	19	46,5	25	117
02	6,0	4,9	M4,5 - M6		50	31	69,0	34	200
02	6,0	4,9	M7 (DIN 352)		50	31	69,0	34	201
02	7,0	5,5	M7		50	31	69,0	34	202
02	6,0	4,9		M8	50	31	69,0	34	203
02	8,0	6,2	M8		50	31	69,0	34	204
02	9,0	7,0	M9		50	31	69,0	34	205
02	7,0	5,5		M10	50	31	69,0	34	206
02	10,0	8,0	M10		50	31	69,0	34	207
02	8,0	6,2		M11	50	31	69,0	34	208
02	9,0	7,0		M12	50	31	69,0	34	209
02	11,0	9,0		M14	50	31	69,0	34	210
02	12,0	9,0		M16	50	31	69,0	34	211
02	14,0	11,0		M18	50	31	69,0	34	212
02	16,0	12,0		M20	50	31	69,0	34	213

Quick change tap adapter with overload clutch, with through coolant

- ▲ Adapter with adjustable overload clutch
- ▲ For use with taps

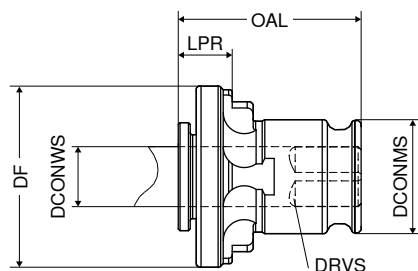


AD

SZID	DCONWS	DRVS	DIN 371	DIN 374 / 376	DF	DCONMS	OAL	LPR	Article no. 83 616 ...
	mm	mm			mm	mm	mm	mm	
01	3,5	2,7	M3	M4,5 - M5	33	19	46,5	25	100
01	4,5	3,4	M4	M6	33	19	46,5	25	102
01	5,5	4,3		M7	33	19	46,5	25	104
01	6,0	4,9	M4,5 - M6	M8	33	19	46,5	25	106
01	7,0	5,5	M7	M10	33	19	46,5	25	108
01	8,0	6,2	M8	M11	33	19	46,5	25	110
01	9,0	7,0	M9	M12	33	19	46,5	25	112
01	10,0	8,0	M10		33	19	46,5	25	114
01	11,0	9,0		M14	33	19	46,5	25	116
02	6,0	4,9	M4,5 - M6	M8	50	31	69,0	34	200
02	7,0	5,5	M7	M10	50	31	69,0	34	202
02	8,0	6,2	M8	M11	50	31	69,0	34	204
02	9,0	7,0	M9	M12	50	31	69,0	34	206
02	10,0	8,0	M10		50	31	69,0	34	208
02	11,0	9,0		M14	50	31	69,0	34	210
02	12,0	9,0	M12	M16	50	31	69,0	34	212
02	14,0	11,0		M18	50	31	69,0	34	214
02	16,0	12,0		M20	50	31	69,0	34	216

Quick change tap adapter

- ▲ Normal version without overload clutch
- ▲ For mounting taps
- ▲ For right-hand and left-hand threads

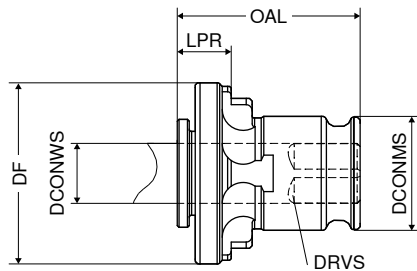


A

SZID	DCONWS	DRVS	DIN 371	DIN 374 / 376	DF	DCONMS	OAL	LPR	Article no. 83 610 ...
	mm	mm			mm	mm	mm	mm	
01	3,5	2,7	M3		30	19	28,5	7	100
01	4,5	3,4	M4		30	19	28,5	7	101
01	4,0	3,0	M3,5		30	19	28,5	7	102
01	2,8	2,1	M2 - M2,6		30	19	28,5	7	103
01	5,5	4,3		M7	30	19	28,5	7	104
01	6,0	4,9	M4,5 - M6	M8	30	19	28,5	7	105
01	7,0	5,5	M7	M10	30	19	28,5	7	106
01	8,0	6,2	M8	M11	30	19	28,5	7	107
01	9,0	7,0	M9	M12	30	19	28,5	7	108
01	10,0	8,0	M10		30	19	28,5	7	109
01	11,0	9,0		M14	30	19	28,5	7	110
02	6,0	4,9	M4,5 - M6		46	31	46,0	11	200
02	7,0	5,5	M7		46	31	46,0	11	201
02	8,0	6,2	M8		46	31	46,0	11	202
02	9,0	7,0	M9		46	31	46,0	11	203
02	10,0	8,0	M10		46	31	46,0	11	204
02	11,0	9,0		M14	46	31	46,0	11	205
02	12,0	9,0		M16	46	31	46,0	11	206
02	14,0	11,0		M18	46	31	46,0	11	207
02	16,0	12,0		M20	46	31	46,0	11	208
02	18,0	14,5		M22 - M24	46	31	46,0	11	209

Quick change tap adapter, with through coolant

- ▲ Normal version without overload clutch
- ▲ For mounting taps
- ▲ For right-hand and left-hand threads

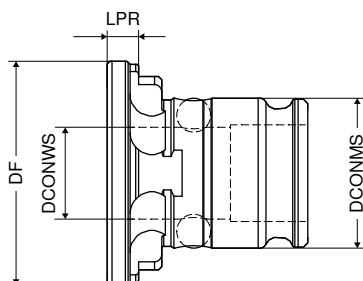


AD

SZID	DCONWS	DRVS	DIN 371	DIN 374 / 376	DF	DCONMS	OAL	LPR	Article no. 83 614 ...
	mm	mm			mm	mm	mm	mm	
01	3,5	2,7		M4,5 - M5	30	19	28,5	7	100
01	4,5	3,4	M4	M6	30	19	28,5	7	102
01	5,5	4,3		M7	30	19	28,5	7	104
01	6,0	4,9	M4,5 - M6	M8	30	19	28,5	7	106
01	7,0	5,5		M7	30	19	28,5	7	108
01	8,0	6,2	M8	M11	30	19	28,5	7	110
01	9,0	7,0	M9	M12	30	19	28,5	7	112
01	10,0	8,0	M10		30	19	28,5	7	114
02	6,0	4,9	M4,5 - M6	M8	46	31	46,0	11	200
02	7,0	5,5	M7	M10	46	31	46,0	11	202
02	8,0	6,2	M8	M11	46	31	46,0	11	204
02	9,0	7,0	M9	M12	46	31	46,0	11	206
02	10,0	8,0	M10		46	31	46,0	11	208
02	11,0	9,0		M14	46	31	46,0	11	210
02	12,0	9,0	M12	M16	46	31	46,0	11	212
02	14,0	11,0		M18	46	31	46,0	11	214
02	16,0	12,0		M20	46	31	46,0	11	216

Reducing adapter for quick change adapters

- ▲ Reducing adapter for reducing size 02 to 01. In this way the clamping ranges can be extended to smaller sizes.

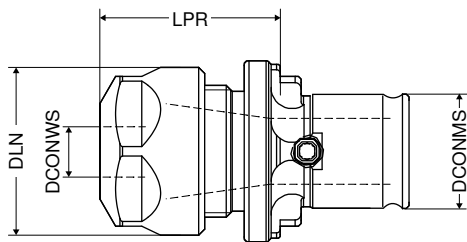


AD

SZID	DF	DCONMS	DCONWS	LPR	Article no. 83 624 ...
	mm	mm	mm	mm	
02	46	31	19	8,5	200

Quick change tap adapters

▲ Adapters for collets ER 16 / ER 25

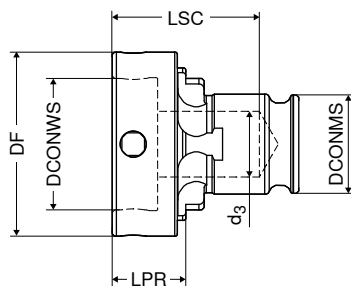


AD

SZID	DCONWS	DLN	DCONMS	LPR	for collet	Article no. 83 618 ...
	mm	mm	mm	mm		
01	1 - 10	28	19	29,5	ER 16	010
02	2 - 16	42	31	38,5	ER 25	016

Quick change adapter for dies

▲ For mounting dies according to DIN 223



A

SZID	for size	cutting range	DF	DCONMS	DCONWS	LPR	d ₃	LSC	Article no. 83 622 ...
			mm	mm	mm	mm	mm	mm	
01	16 x 5	M1 - M4	25	19	16	9	12,5	23	116
01	20 x 5	M3 - M4	30	19	20	9	12,5	23	120
01	20 x 7	M4,5 - M6	30	19	20	11	12,5	25	121
01	25 x 9	M7 - M9	35	19	25	14	12,5	28	125
01	30 x 11	M10 - M11	40	19	30	16	12,5	30	130
01	38 x 10	M12x1 - M15x1,5	48	19	38	15	14,2	29	138
01	38 x 14	M12 - M14	48	19	38	19	14,2	33	139
02	20 x 5	M3 - M4	30	31	20	22	15,0	57	220
02	20 x 7	M4,5 - M6	30	31	20	22	15,0	57	221
02	25 x 9	M7 - M9	35	31	25	22	15,0	57	225
02	30 x 11	M10 - M11	40	31	30	22	22,0	57	230
02	38 x 10	M12x1 - M15x1,5	48	31	38	22	22,0	57	238
02	38 x 14	M12 - M14	48	31	38	25	22,0	60	239
02	45 x 14	M16x1 - M20x2	57	31	45	29	22,0	64	245
02	45 x 14	M16 - M20	57	31	45	29	22,0	64	246

Driven Tools

CERATIZIT offers an extensive range of driven tool holders to suit the turrets and machines of the leading manufacturers. There are virtually no limits to the types available. Below is a small selection of our holder portfolio.

Examples from our driven tooling range



Axial drilling and milling head



Radial drilling and milling head



Double radial drilling and milling head



Rear offset radial drilling and milling head



Double axial drilling and milling head



Offset axial drilling and milling head



Swivel head



Modular milling

Summary of machine turret manufacturers and interfaces for which CERATIZIT can supply driven tools

- | | | | |
|--------------|-----------|--------------------------|-----------------|
| ▲ Sauter | ▲ DIN1809 | ▲ Baruffaldi Toem | ▲ BMT (bolt on) |
| ▲ Baruffaldi | ▲ DIN5480 | ▲ Bevel gear milling | |
| ▲ Diplomatic | ▲ DIN5482 | ▲ Spline / tooth milling | |

Technical Advice

Are you interested in our driven tools ? If so please contact your technical sales engineer who will be glad to assist you. Alternatively, you can contact our office based internal technical sales engineers who can be reached on our freephone number.

Enquiry Form

Should you have questions about driven tools you can find a detailed questionnaire on our website in the download area. Carefully complete the form and send it via e-mail or printed fax.

Modular quick-change system for driven tools

You want to optimize your setup time? CERATIZIT offers you several options!
With each axial and radial driven tool you are prepared through the exchange of different modules for different machining demands.

Varia VX

The new quick change system for heavy duty machining

The face & taper contact interface ensures maximum concentricity.
The torque is transmitted via a form-fitting polygon, which can transmit up to 200 Nm.

Clamping and releasing takes place via a segmented gear wheel equipped with 3 multifunctional cams. When tightened with a radially mounted clamping screw, the 3-point clamping pulls the tool evenly into its operating position. When releasing the tool force is applied mechanically via a sliding cam and the tool is released for removal from the adapter.



The advantages at a glance

- ▲ Cutting tools are preset off the machine
- ▲ Quick change thanks to only one clamping point
- ▲ No risk of injury when changing tools
- ▲ Transverse force-free clamping of the tools
- ▲ Safe torque transmission
- ▲ No loose parts



System Preci-Flex® – The stable solution for long tool life and high surface quality

The internal cone of the driven tool is suitable for any commercial type ER collets. Through taper & face contact ≤ 0.01 mm system concentricity and ≤ 0.005 mm repeatability is achieved and four plane-side clamp screws achieve maximum system stability and rigidity.



The program includes base holders for the collet sizes ER20, ER25, ER32, ER40 and ER50 and collet holders with male or female nut, adapters Weldon, Whistle Notch, shrink, boring bars, Shell mill arbors, hydraulic chucks, Test arbors and blanks.
Also available for static VDI holders and rotating SK and HSK holders.

Solidfix® – The quick way to change (≤ 20 seconds), a module

Solidfix® Modules can be mounted with one hand. Simply insert the module, so that twisting the security bayonet retains the module. Tighten with an allen-key through 180 ° rotation.

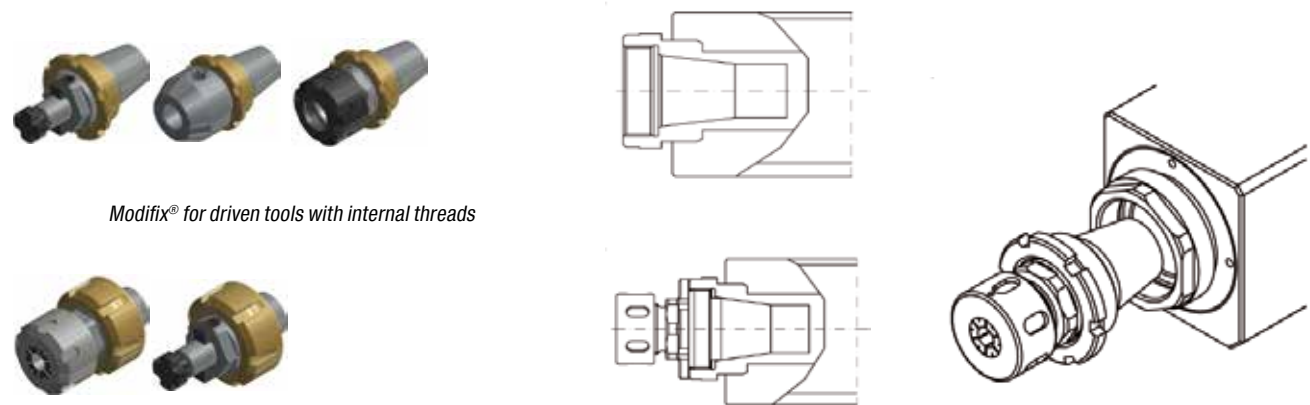
Through centering taper and large square face a concentricity of ≤ 0.005 mm is obtained at 30 mm distance from the end face.



The program includes basic holders in accordance with the collet sizes ER11M, ER16M, ER20, ER25, ER32 and ER40 and collet holders with male or female nut, Weldon, Whistle Notch, shrink, boring adapters, Shell mill arbors, hydraulic chucks, control pins, blanks and plugs. Also available for static VDI holders and rotating SK and HSK holders.

Modifix® – The universal solution for driven standard collet chucks

Modifix® adapters are available for both collet chucks with internal and external locknut. You use your existing collet holder driven units and only require the relevant Modifix® adapter. It offers high flexibility and low investment.



Modifix® for driven tools with internal threads

Modifix® for driven tools with external threads

The program includes adapters for the collet sizes ER20, ER25, ER32 and ER40. Collet holders, Weldon tool holders and Shell mill arbors are available.

Quick-Change



The tool holder range comprises both innovative and technologically proven solutions for all common CNC turning centres. We offer solutions that are perfectly tailored to the make of machine, regardless of whether the machine has a BMT, VDI or other connection type.

Every Quick-Change system has a standardised interface to DIN/ISO requirements and is available for HSK-T 40/63/100 and PSC 40/50/63 sizes. The tool change itself is carried out quickly and easily, minimising idle times and thus boosting productivity.



Tool holder single and straight



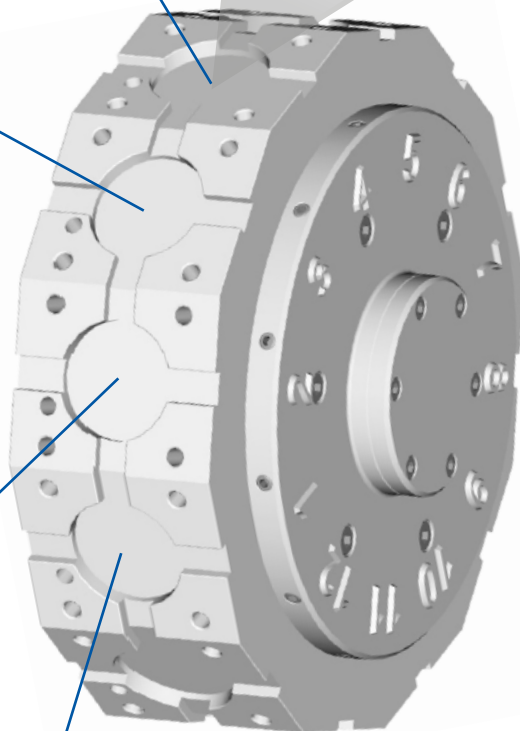
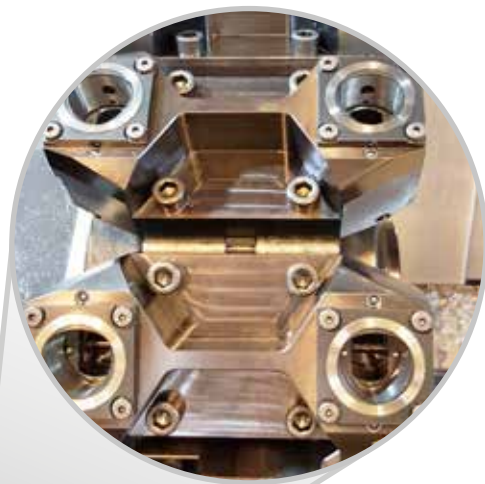
Tool holder double and straight



Single angle tool holder



Double angle tool holder



Turret BMT/VDI/...

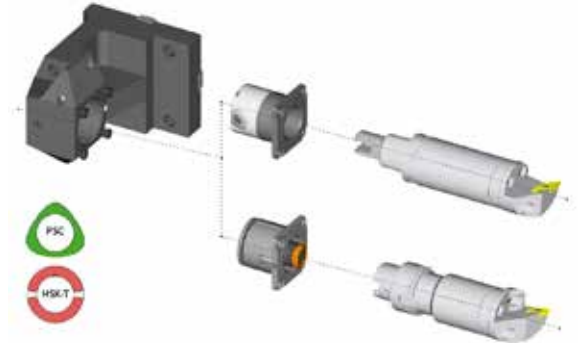
HSK/PSC clamping units



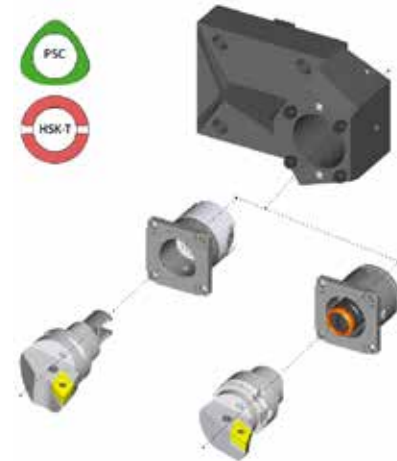
The tool holders are fitted with either an HSK or PSC clamping unit.



Clamping units are available in sizes HSK 40/63/100 and PSC 40/50/63.

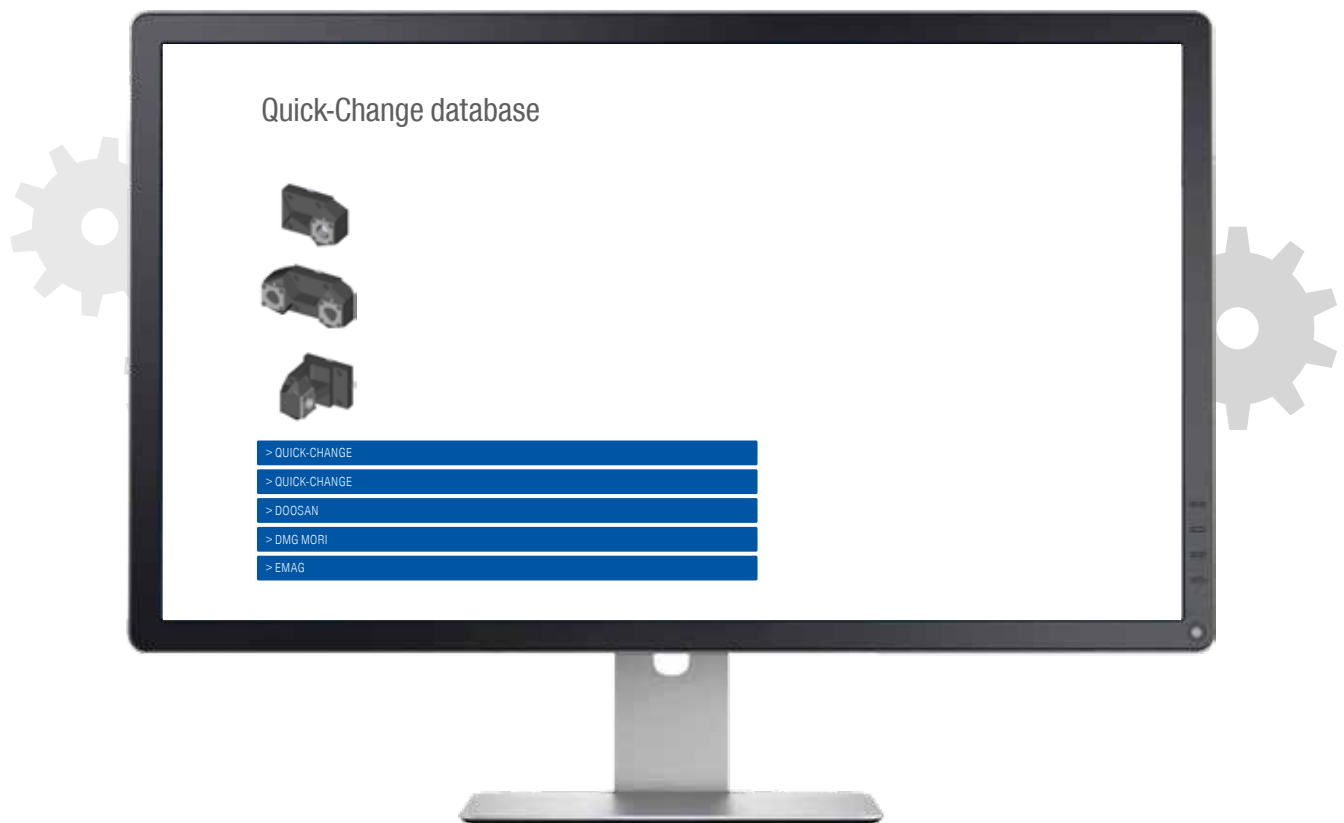


The toolholders permit the flexibility to be adapted to the customer's requirements.



Online database

Our Quick-Change tool holders are individually adapted to turning machines to ensure the greatest-possible levels of flexibility and efficiency. Using the online database, systems of previously specified machine types can be evaluated in order to obtain an initial overview.



Information on enquiry process

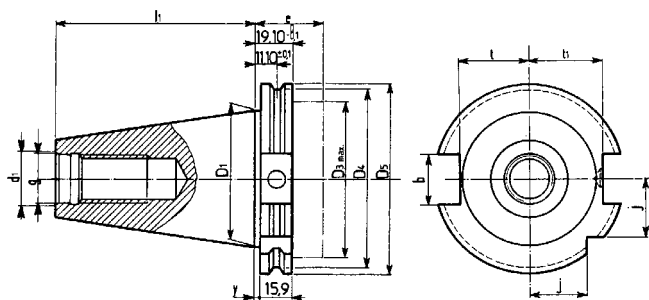
To make the enquiry process as easy as possible, please use our enquiry form to enter the most important machine data and information on the machining process. Please fill in this form carefully and send it to us via email or fax.

→ [cutting.tools/en/download](https://cuttingtools.ceratizit.com/en/download)

If you have any questions regarding the ordering process or the form itself, your Technical Sales Engineer will be happy to help.

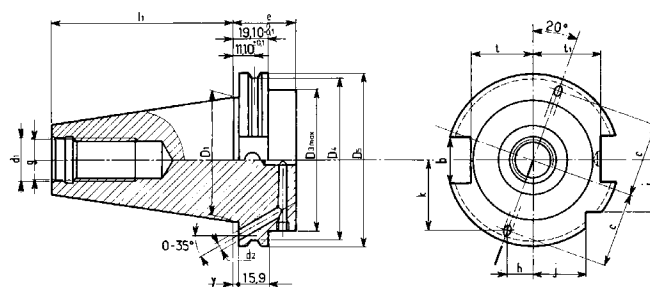
Technical data for steep taper tools

DIN 69871 Form A

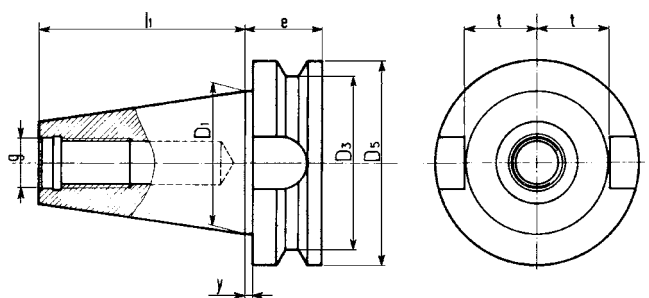


	D ₁ mm	D _{3 max} mm	D ₄ mm	D ₅ mm	i ₀ ^{+0,2} mm	g	d ₁ ^{H7} mm	e mm	y ^{±0,1} mm	t mm	t ₁ mm	j mm	d ₂ mm	h mm	k mm	c mm	b mm
SK 30	31,75	45	44,30	50	47,8	M 12	13	35	3,2	16,4	19	15					16,1
SK 40	44,45	50	56,25	63,55	68,4	M 16	17	35	3,2	22,8	25	18,5	4	9,2	25,4	27	16,1
SK 50	69,85	80	91,25	97,5	101,75	M 24	25	35	3,2	35,5	37,7	30	6	14,4	39,5	42	25,7

DIN 69871 Form B



MAS-BT



i Maximum recommended rpm for steep taper toolholders:

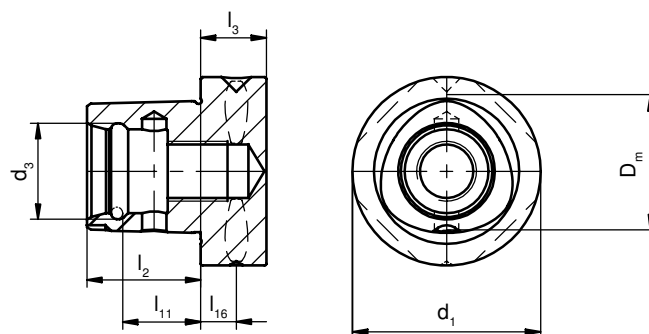
SK / BT 30 to 20,000 1/min.

SK / BT 40 to 20,000 1/min.

SK / BT 50 to 16,000 1/min.

	D ₁ mm	D ₃ mm	D ₅ mm	l ₁ mm	g	e mm	t mm	y mm	b mm
BT 30	31,75	38	46	48,4	M 12	22	16,3	2	16,1
BT 40	44,45	53	63	65,4	M 16	27	22,5	2	16,1
BT 50	69,85	85	100	101,8	M 24	38	35,3	3,2	25,7

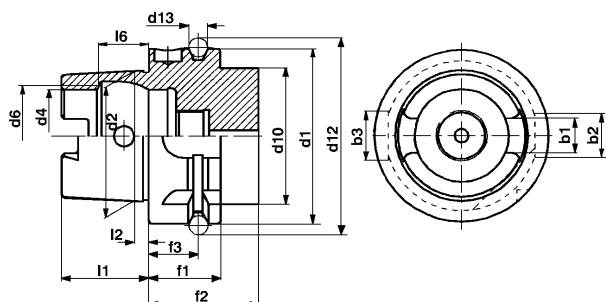
Technical Data for Polygon shank adapters



Shank size	d ₁ mm	d ₃ ^{±0,05} mm	l ₂ ^{±0,1} mm	l ₃ mm	l ₁₁ ^{±0,1} mm	l ₁₆ mm	D _m mm
32	32	16,5	19	15	13,5	9	22
40	40	20	24	20	17,5	12	28
50	50	24	30	20	22	12	35
63	63	32	38	22	26	12	44
80	80	38	48	30	34	12	55

Technical Data for HSK Adapters

HSK DIN 69893 A+C



i Maximum rpm recommended for HSK adapters:

HSK-A 32 to 50.000 $\frac{1}{\text{min.}}$
 HSK-A 40 to 42.000 $\frac{1}{\text{min.}}$
 HSK-A 50 to 30.000 $\frac{1}{\text{min.}}$
 HSK-A 63 to 25.000 $\frac{1}{\text{min.}}$
 HSK-A 100 to 16.000 $\frac{1}{\text{min.}}$

	b ₁ mm	b ₂ mm	b ₃ mm	d ₁ mm	d ₂ mm	d ₄ mm	d ₆ mm	d ₁₀ mm	d ₁₂ mm	d ₁₃ mm	f ₁ mm	f ₂ mm	f ₃ mm	l ₁ mm	l ₂ mm	l ₆ mm
HSK 32	7,05	7	9	32	24	17	19	26	37	4	20	35	16	16	3,2	8,92
HSK 40	8,05	9	11	40	30	21	23	34	45	4	20	35	16	20	4	11,42
HSK 50	10,54	12	14	50	38	26	29	42	59,3	7	26	42	18	25	5	14,13
HSK 63	12,54	16	18	63	48	34	37	53	72,3	7	26	42	18	32	6,3	18,13
HSK 100	20,02	20	22	100	75	53	58	88	109,75	7	29	45	20	50	10	28,56

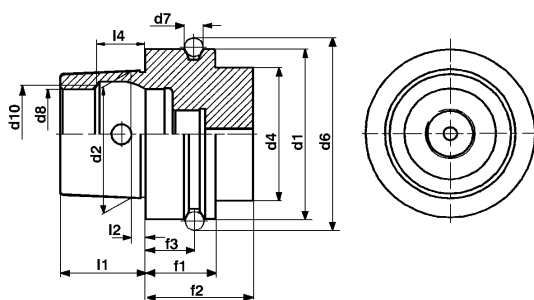
DIN 69893 Form A

- ▲ Applied for machining centres, milling and special machines with automatic tool change
- ▲ **Central axial coolant supply via the coolant pipe**
- ▲ Torque transmission via 2 driving grooves at the taper end
- ▲ 2 grooves on the flange for the tool magazine, positioning notch, bore for data storage medium
DIN 69873 in the flange

DIN 69893 Form C

- ▲ Applied for machine spindles without automatic tool change as well as tool extensions and reducers
- ▲ **Central axial coolant supply via the coolant pipe**
- ▲ Torque transmission via 2 driving grooves at the taper end

HSK DIN 69893 E



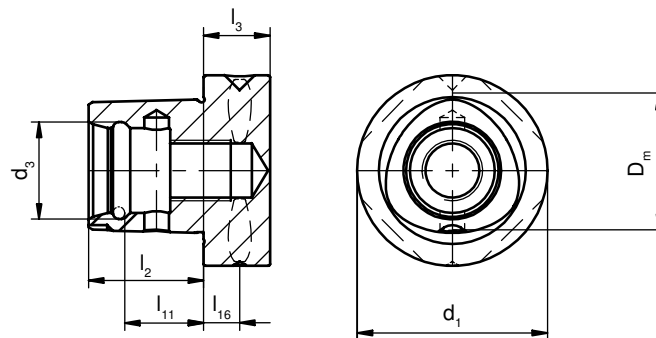
	d ₁ mm	d ₂ mm	d ₄ mm	d ₆ mm	d ₇ mm	d ₈ mm	d ₁₀ mm	f ₁ mm	f ₂ mm	f ₃ mm	l ₁ mm	l ₂ mm	l ₄ mm
HSK 40	40	30	34	45	4	21	23	20	35	16	20	4	11,42
HSK 50	50	38	42	59,3	7	26	29	26	42	18	25	5	14,13
HSK 63	63	48	53	72,3	7	34	37	26	42	18	32	6,3	18,13

DIN 69893 Form E

- ▲ Applied for high rpm (HSC) for high speed spindles with automatic tool change
- ▲ Rotation symmetrical, without driving grooves
- ▲ Torque transmission through friction
- ▲ **Possibility of central coolant supply via coolant pipe**

Technical Information for Polygon Shank Adapters

To dimensions of ISO 26623-1



Shank size	d_1	d_3 $\pm 0,05$	l_2 $\pm 0,1$	l_3	l_{11} $\pm 0,1$	l_{16}	D_m
32	32	16,5	19	15	13,5	9	22
40	40	20	24	20	17,5	12	28
50	50	24	30	20	22	12	35
63	63	32	38	22	26	12	44
80	80	38	48	30	34	12	55

Advantages of the PSC interface

The repeatability of the PSC shank is ± 2 microns



The tapered polygon in conjunction with the tight tolerance provides backlash-free centering also acts as pull back. The PSC cone has very high rigidity and bending strength. The main advantages of this interface are the transmittable torque stability, the resistance against radial forces acting on the tool and the exact center height. This means high feed rates can be achieved on large material cross sections. The PSC interface is ideally suited for all machining operations such as drilling, turning and milling.

High Pressure Chuck – Ideal for the MonsterMill Solid Carbide Milling Cutters

HPC milling with optimum damping

High pressure clamping with optimum damping properties was the aim in the development of the high-pressure chuck. Here, all applications over a continuous operation test were covered over thousands of machining operations. In addition, extensive continuous pressure and positive pressure tests, and vibration measurements were carried out directly on the machine spindle.

The main technical characteristics of the high-pressure Milling Chuck are

- ▲ High damping properties
- ▲ Spindle-friendly
- ▲ Maximum stability and strength
- ▲ High holding force and torque transmission
- ▲ 3 µm radial run-out
- ▲ Balanced to G2,5 at $n_{\max}$ 25.000 1/min.
- ▲ Short tool change time
- ▲ No additional peripherals required
- ▲ MMS suitable
- ▲ Maintenance free

Clamping of shanks with flats possible with or without reduction sleeve

HSS shank DIN1835 and
Solid Carbide shank DIN6535



Clamping Force Comparison with Different Systems

This comparison shows the higher retention forces of the Milling Chuck. Especially with larger diameters high holding force is important when HPC machining so that the tool is not pulled out of the holder. Milling Chuck now offers this process reliability.

Shank diameter in mm	16	18	20	25	32
Holder Type	Maximum transmissible torque with shank tolerance h6 in Nm				
Shrink fit adapter	200	290	450	530	700
Standard hydraulic chucks	160	200	330	400	650
High Pressure Milling Chuck	280 - 380	360 - 450	550 - 650	650 - 750	800 - 890

i Minimum clamping depth the same as for hydraulic chucks



The main applications for Milling Chuck

- ▲ HPC Milling
- ▲ HSC Milling
- ▲ Hard Machining
- ▲ Drilling
- ▲ Reaming

Key Benefits

- ▲ Increased Process Security
- ▲ Longer Tool Life
- ▲ Improved Surface Quality
- ▲ Extended spindle life

Transmittable torques and static clamping torques

Static clamping moments of the CentroP collet chuck with different torque values measured at the tightening nut

Clamping diameter (d1 h6)	2	3	3,5	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	mm
ER 16 torque moment 30 Nm	2	3,5	5																						Nm
ER 16 torque moment 50 Nm				12	20	30	45	60	72	80															Nm
ER 25 torque moment 40 Nm				10	20	40																			Nm
ER 25 torque moment 75 Nm							62	75	85	95															Nm
ER 25 torque moment 90 Nm										122	145	160	175	190	200										Nm
ER 32 torque moment 60 Nm				20	30	40																			Nm
ER 32 torque moment 120 Nm							75	90	110	120	135	150	160	180	190										Nm
ER 32 torque moment 140 Nm																220	240	260	280	300					Nm
ER 40 torque moment 70 Nm				60	75	90	100																		Nm
ER 40 torque moment 110 Nm							110	125	140	150															Nm
ER 40 torque moment 150 Nm										200	220	240	260	300	350										Nm
ER 40 torque moment 200 Nm																			420	440	460	480	515	530	Nm
OZ 462 E torque moment 200 Nm				10	35	55	75	95	120	140	160	185	205	230	250	270	295	315	340						Nm

Permissible transmitted torque (Md) for Hydraulic Chucks

For direct clamping

Clamping diameter (d1 h6)	6	8	10	12	14	16	18	20	25	32	mm
Md with shank at minimum size	20	30	47	80	100	160	200	330	400	650	Nm
Md with shank at maximum size	30	45	85	140	160	230	270	400	470	730	Nm

For clamping with reduction Ø 32 mm

Clamping diameter (d1 h6)	6	8	10	12	14	16	18	20	25	mm
Md with shank at minimum size	30	45	60	120	120	180	220	250	330	Nm
Md with shank at maximum size	45	65	110	170	170	230	300	320	440	Nm

For clamping with reduction Ø 20 mm

Clamping diameter (d1 h6)	3	4	5	6	8	10	12	14	16	mm
Md with shank at minimum size	6	9	16	30	55	90	120	135	190	Nm
Md with shank at maximum size	10	12	22	40	75	120	150	170	260	Nm

For clamping with reduction Ø 12 mm

Clamping diameter (d1 h6)	3	4	5	6	8	mm
Md with shank at minimum size	3	4	7	12	18	Nm
Md with shank at maximum size	4	8	12	20	26	Nm

Minimum shank clamping depths for hydraulic chucks

Shank diameter	6	8	10	12	14	16	18	20	25	32	mm
Minimum clamping depth	27	27	31	36	36	39	39	41	47	51	mm

Permissible transmitted torque (Md) for high pressure chuck

Minimum shank clamping depths for high pressure chuck

Shank diameter	16	18	20	25	32	mm
Minimum clamping depth	39	39	41	47	51	mm

For direct clamping

Clamping diameter (d1 h6)	16	18	20	25	32	mm
Md with shank at minimum size	280	360	550	650	800	Nm
Md with shank at maximum size	380	450	650	750	890	Nm



Minimum permissible shank torques and clamping depths for shrink fit holders

Shank diameter	3	4	5	6	8	10	12	14	16	18	20	25	32	mm
Minimum clamping depth	12	16	20	26	26	31	37	37	40	40	42	48	52	mm
Permissible torque moment	4	11	17	24	45	82	145	190	200	290	450	530	700	Nm