

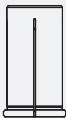
Experience Multi Line

HSK holders				SK holders				BT holders				CAPTO holders	
HSK/ WD	HSK/ KFD	HSK/ KBF	HSK/ MK	SK/ WD	SK/ KFD	SK/ KBF	SK/ MK	BT/ WD	BT/ KFD	BT/ KBF	BT/ MK	C/WD	C/MA
													
page 208	page 211	page 213	page 214	page 216	page 218	page 219	page 220	page 221	page 223	page 224	page 225	page 226	page 230

Reduction sleeves for hydro chucks

HS

HS-CF
with coolant flush



page 233

page 233

HSK holders

HSK/
WD



page 208

HSK/
KFD



page 211

HSK/
KBF



page 213

HSK/
MK



page 214

SK holders

SK/
WD



page 216

SK/
KFD



page 218

SK/
KBF



page 219

SK/
MK



page 220

BT holders

BT/
WD



page 221

BT/
KFD



page 223

BT/
KBF



page 224

BT/
MK



page 225

CAPTO holders

C/WD

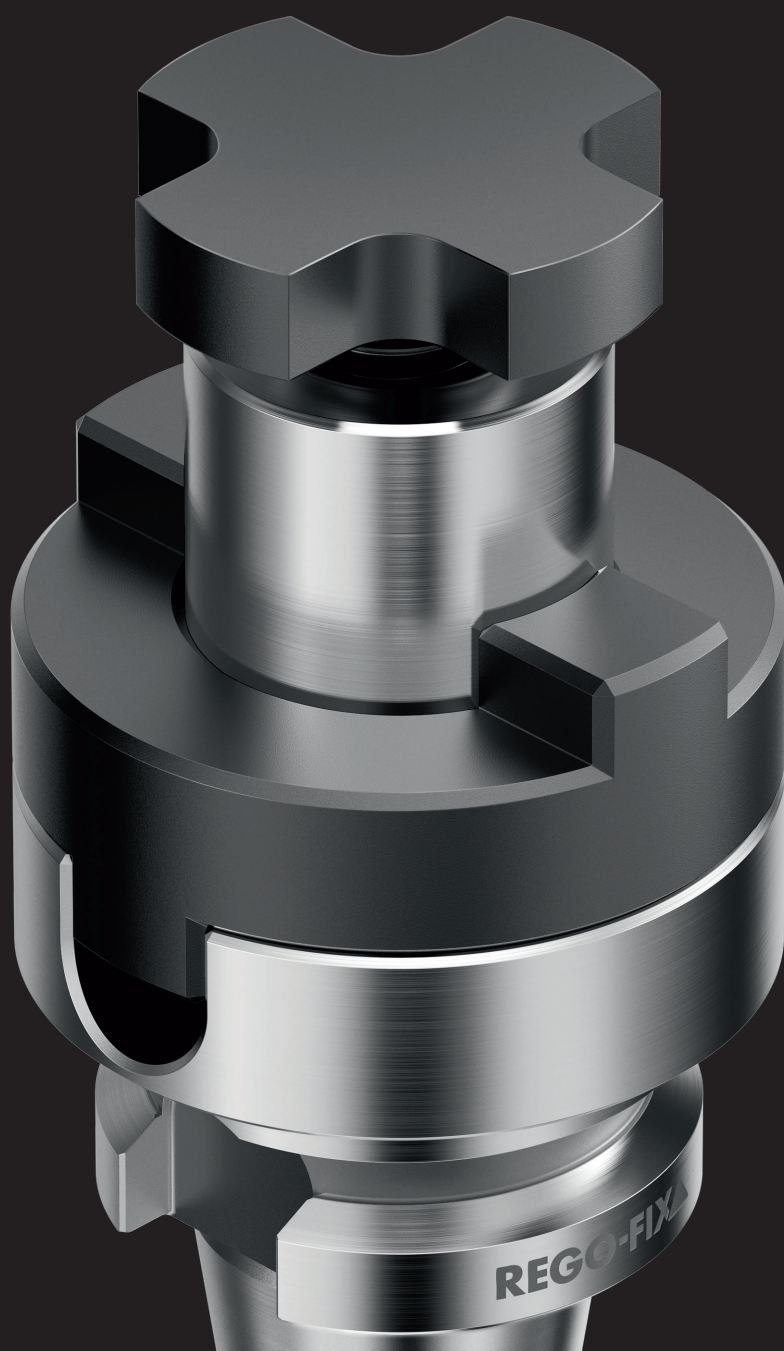


page 226

C/MA



page 230



Toolholders and adapters



	WD	MA	KFD	KBF	MK
HSK	•	–	•	•	•
SK	•	–	•	•	•
BT	•	–	•	•	•
CAPTO	•	•	–	–	–
Balancing	Balanced by design	Balanced by design	Balanced by design	Balanced by design	Balanced by design
Diameter range	6–40	16–40	16–50	1–13	Mk1–Mk4

Weldon end mill holders HSK/WD

Designed for rotating applications, all our HSK holders are suited for high-speed applications where a consistent performance is key.

DIN 69893/ISO 12164

Features of end mill holders (Weldon)

Runout TIR $\leq 3 \mu\text{m}$

Measured from inner bore to outer taper.

Side locking screw

For highest transferable torque.

ID chip hole (only HSK form A)

In accordance with DIN 69873 for 10 mm diameter.
Available on request.

Expert advice

For all HSK-A and HSK-E form holders a range of coolant tubes (KSR) is available.

For KSR part numbers please refer to page 265.



Weldon end mill holders HSK-A/WD

HSK/WD

DIN 69893

ISO 12164

Type	Part no.	Dimensions [mm]			Drawing
		d	D	L	
HSK-A 32					
HSK-A 32/WD 6 x 055*	2532.30620	6	25	55	1
HSK-A 32/WD 8 x 055*	2532.30820	8	28	55	1
HSK-A 32/WD 10 x 063*	2532.31030	10	35	63	1
HSK-A 32/WD 12 x 065*	2532.31230	12	42	65	1
HSK-A 40					
HSK-A 40/WD 6 x 060	2540.30630	6	25	60	1
HSK-A 40/WD 8 x 060	2540.30830	8	28	60	1
HSK-A 40/WD 10 x 060	2540.31030	10	35	60	1
HSK-A 40/WD 12 x 070	2540.31240	12	42	70	1
HSK-A 40/WD 14 x 075	2540.31440	14	44	75	1
HSK-A 40/WD 16 x 075	2540.31640	16	48	75	1
HSK-A 50					
HSK-A 50/WD 12 x 080	2550.31250	12	42	80	1
HSK-A 50/WD 14 x 080	2550.31450	14	44	80	1
HSK-A 50/WD 18 x 080	2550.31850	18	50	80	1
HSK-A 63					
HSK-A 63/WD 6 x 065	2563.30630	6	25	65	1
HSK-A 63/WD 8 x 065	2563.30830	8	28	65	1
HSK-A 63/WD 10 x 065	2563.31030	10	35	65	1
HSK-A 63/WD 12 x 080	2563.31250	12	42	80	1
HSK-A 63/WD 14 x 080	2563.31450	14	44	80	1
HSK-A 63/WD 16 x 080	2563.31650	16	48	80	1
HSK-A 63/WD 18 x 080	2563.31850	18	50	80	1
HSK-A 63/WD 20 x 080	2563.32050	20	52	80	1
HSK-A 63/WD 25 x 110	2563.32560	25	65	110	2
HSK-A 63/WD 32 x 110	2563.33260	32	72	110	2

*HSK taper without side hole

Weldon end mill holders

HSK-A/WD and HSK-E/WD

HSK/WD

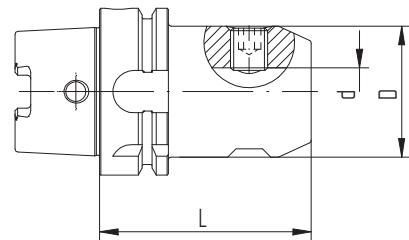
DIN 69893

ISO 12164

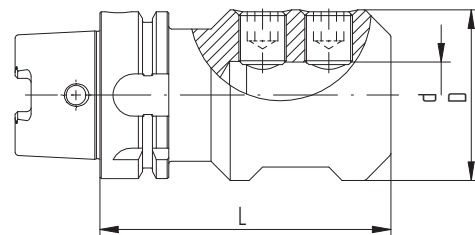
Type	Part no.	Dimensions [mm]			Drawing
		d	D	L	
HSK-A 100					
HSK-A 100/WD 6 x 080	2500.30650	6	25	80	1
HSK-A 100/WD 8 x 080	2500.30850	8	28	80	1
HSK-A 100/WD 10 x 080	2500.31050	10	35	80	1
HSK-A 100/WD 12 x 080	2500.31250	12	42	80	1
HSK-A 100/WD 14 x 080	2500.31450	14	44	80	1
HSK-A 100/WD 16 x 100	2500.31660	16	48	100	1
HSK-A 100/WD 18 x 100	2500.31860	18	50	100	1
HSK-A 100/WD 20 x 100	2500.32060	20	52	100	1
HSK-A 100/WD 25 x 100	2500.32560	25	65	100	2
HSK-A 100/WD 32 x 100	2500.33260	32	72	100	2
HSK-A 100/WD 40 x 110	2500.34060	40	80	110	2
HSK-E 40					
HSK-E 40/WD 10 x 060	2540.31034	10	35	60	1
HSK-E 40/WD 12 x 070	2540.31244	12	42	70	1
HSK-E 40/WD 16 x 070	2540.31644	16	48	70	1

Included in delivery: End mill holder and lock screw

HSK-A: Hole for data carrier DIN STD 69873 in the flange available on request



Drawing 1 HSK-A/WD



Drawing 2 HSK-A/WD

Universal shell/face mill holders

HSK-A/KFD and HSK-E/KFD

HSK/KFD

DIN 69893

ISO 12164

Type	Part no.	Dimensions [mm]			Drawing	Accessories
		D	D1	L		Wrench
HSK-A 32						
HSK-A 32 /KFD 16 x 045	2532.41620	16	32	45	1	FDS 16
HSK-A 32 /KFD 22 x 050	2532.42230	22	40	50	1	FDS 22
HSK-A 40						
HSK-A 40 /KFD 16 x 030	2540.41600	16	32	30	1	FDS 16
HSK-A 40 /KFD 22 x 050	2540.42230	22	40	50	1	FDS 22
HSK-A 50						
HSK-A 50 /KFD 16 x 050	2550.41630	16	32	50	1	FDS 16
HSK-A 50 /KFD 22 x 050	2550.42230	22	40	50	1	FDS 22
HSK-A 50 /KFD 32 x 065	2550.43240	32	58	65	2	FDS 32
HSK-A 63						
HSK-A 63 /KFD 16 x 060	2563.41640	16	32	60	1	FDS 16
HSK-A 63 /KFD 22 x 060	2563.42240	22	40	60	1	FDS 22
HSK-A 63 /KFD 27 x 060	2563.42740	27	48	60	1	FDS 27
HSK-A 63 /KFD 32 x 060	2563.43240	32	58	60	1	FDS 32
HSK-A 63 /KFD 40 x 070	2563.44050	40	70	70	2	FDS 40
HSK-A 100						
HSK-A 100 /KFD 16 x 060	2500.41640	16	32	60	1	FDS 16
HSK-A 100 /KFD 22 x 060	2500.42240	22	40	60	1	FDS 22
HSK-A 100 /KFD 27 x 060	2500.42740	27	48	60	1	FDS 27
HSK-A 100 /KFD 32 x 060	2500.43240	32	58	60	1	FDS 32
HSK-A 100 /KFD 40 x 070	2500.44050	40	70	70	1	FDS 40
HSK-A 100 /KFD 50 x 080	2500.45060	50	90	80	2	FDS 50
HSK-E 40						
HSK-E 40 /KFD 16 x 045	2540.41624	16	32	45	–	FDS 16

Included in delivery: Universal shell/face mill holder, lock screw, feather key and drive ring

For details on our FDS wrenches, please refer to page 259

HSK-A: Hole for data carrier DIN STD 69873 in the flange available on request

Universal shell/face mill holders
HSK-A/KFD and HSK-E/KFD

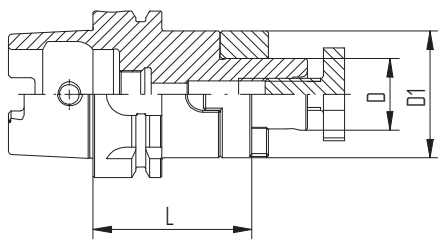
HSK/KFD

DIN 69893

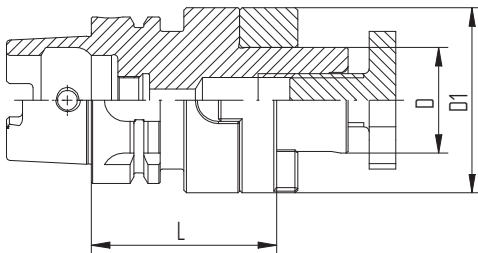
ISO 12164



HSK-A/KFD



Drawing 1 HSK-A/KFD



Drawing 2 HSK-A/KFD

Drill chucks HSK-A/KBF

HSK-A/KBF

DIN 69893

ISO 12164

Type	Part no.	d	Dimensions [mm]	
			D	L
HSK-A 63 / KBF				
HSK-A 63 / KBF 1 – 13 mm	2563.50100	1–13	50	104

Included in delivery: Drill chuck and Allen key™

HSK-A: Hole for data carrier DIN STD 69873 in the flange available on request

Drill chucks HSK-A/ KBF

Features and benefits

Clamping range

1–13 mm

Runout TIR

0.03 mm

Maximum tightening torque

20 Nm

Clamping force (at 20 Nm tightening torque)

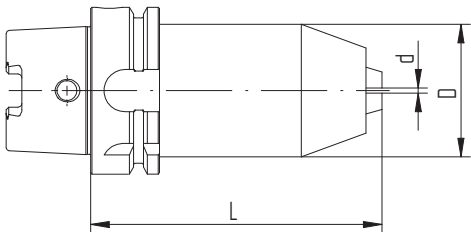
80 Nm

Maximum rpm

35,000 min⁻¹



HSK-A/ KBF



HSK-A/ KBF

Morse taper holders HSK-A/ MK

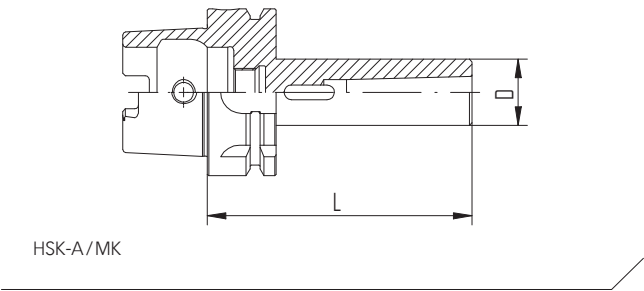
HSK-A/MK

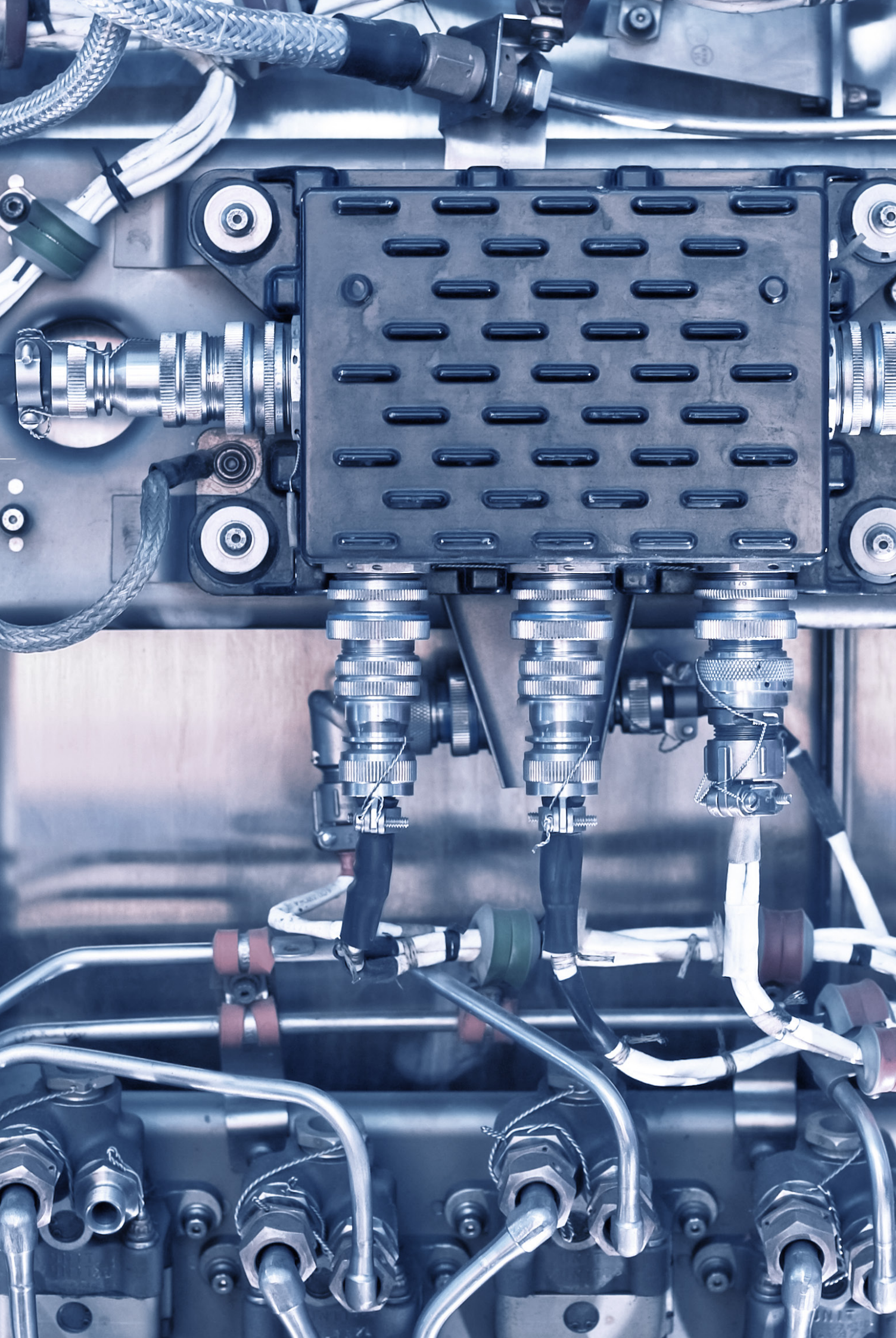
DIN 69893

ISO 12164

Type	Part no.	Dimensions [mm]	
		D	L
HSK-A 63/MK			
HSK-A 63/MK 1 x 100	2563.80140	25	100
HSK-A 63/MK 2 x 120	2563.80250	32	120
HSK-A 63/MK 3 x 140	2563.80360	40	140
HSK-A 63/MK 4 x 160	2563.80470	48	160

HSK-A: Hole for data carrier DIN STD 69873 in the flange available on request





Weldon end mill holders SK/WD

Universally suitable for different machining applications.

DIN 69871 / DIN ISO 7388-1

Features of end mill holders (Weldon)

Runout TIR $\leq 3 \mu\text{m}$

Measured from inner bore to outer taper.

Taper accuracy AT3

Better spindle-to-holder fit and accuracy.

Side locking screw

For highest transferable torque.

Coolant supply

All toolholders with form A+AD can be used for cooling. Form A+AD delivers the coolant supply through the taper.

ID chip hole

In accordance with DIN 69873 for 10 mm diameter.



Weldon end mill holders SK/WD

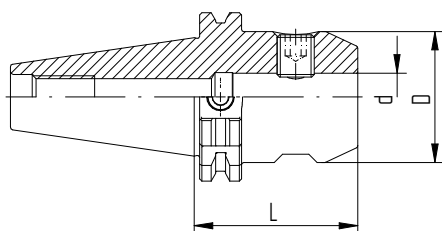
SK/WD

DIN 69871

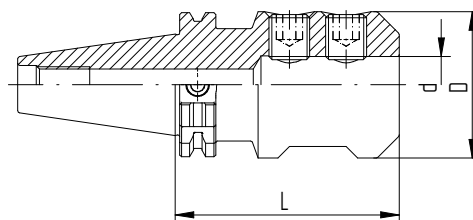
DIN ISO 7388-1

Type	Part no.	Dimensions [mm]			Form A+AD	Drawing
		D	d	L		
SK 40						
SK 40/WD 6 x 050	2240.30620	25	6	50	•	1
SK 40/WD 8 x 050	2240.30820	28	8	50	•	1
SK 40/WD 10 x 050	2240.31020	35	10	50	•	1
SK 40/WD 12 x 050	2240.31220	42	12	50	•	1
SK 40/WD 14 x 050	2240.31420	44	14	50	•	1
SK 40/WD 16 x 063	2240.31630	48	16	63	•	1
SK 40/WD 18 x 063	2240.31830	50	18	63	•	1
SK 40/WD 20 x 063	2240.32030	52	20	63	•	1
SK 40/WD 25 x 100	2240.32560	65	25	100	•	2
SK 40/WD 32 x 100	2240.33260	72	32	100	•	2
SK 50						
SK 50/WD 6 x 063	2250.30630	25	6	63	•	1
SK 50/WD 8 x 063	2250.30830	28	8	63	•	1
SK 50/WD 10 x 063	2250.31030	35	10	63	•	1
SK 50/WD 12 x 063	2250.31230	42	12	63	•	1
SK 50/WD 14 x 063	2250.31430	44	14	63	•	1
SK 50/WD 16 x 063	2250.31630	48	16	63	•	1
SK 50/WD 18 x 063	2250.31830	50	18	63	•	1
SK 50/WD 20 x 063	2250.32030	52	20	63	•	1
SK 50/WD 25 x 080	2250.32550	65	25	80	•	2
SK 50/WD 32 x 100	2250.33260	72	32	100	•	2
SK 50/WD 40 x 100	2250.34060	80	40	100	•	2

Included in delivery: End mill holder and lock screw



Drawing 1 SK/WD



Drawing 2 SK/WD

Universal shell/face mill holders SK/KFD

SK/KFD

DIN 69871

DIN ISO 7388-1

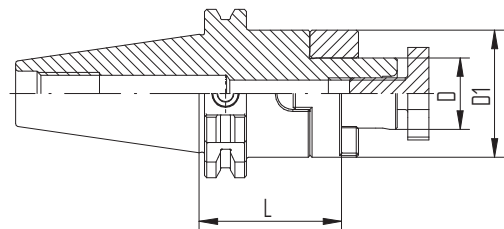
Type	Part no.	Dimensions [mm]					Drawing	Accessory
		D	D1	L	Form A+AD	Wrench		
SK 40								
SK 40/KFD 16 x 055	2240.41630	16	32	55	•	1	FDS 16	
SK 40/KFD 22 x 055	2240.42230	22	40	55	•	1	FDS 22	
SK 40/KFD 27 x 055	2240.42730	27	48	55	•	1	FDS 27	
SK 40/KFD 32 x 060	2240.43240	32	58	60	•	2	FDS 32	
SK 40/KFD 40 x 060	2240.44040	40	70	60	•	2	FDS 40	
SK 50								
SK 50/KFD 16 x 055	2250.41630	16	32	55	•	1	FDS 16	
SK 50/KFD 22 x 055	2250.42230	22	40	55	•	1	FDS 22	
SK 50/KFD 27 x 055	2250.42730	27	48	55	•	1	FDS 27	
SK 50/KFD 32 x 055	2250.43230	32	58	55	•	1	FDS 32	
SK 50/KFD 40 x 055	2250.44030	40	70	55	•	1	FDS 40	
SK 50/KFD 50 x 070	2250.45050	50	90	70	•	2	FDS 50	

Included in delivery: Universal shell/face mill holder, lock screw, feather key and drive ring

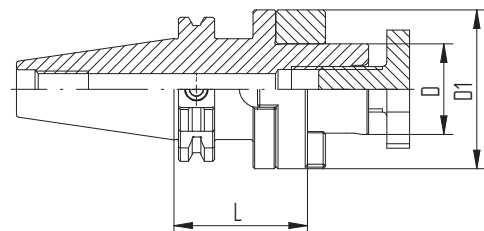
For details on our FDS wrenches, please refer to page 259



SK/KFD



Drawing 1 SK/KFD



Drawing 2 SK/KFD

Drill chucks SK / KBF

SK / KBF

DIN 69871

DIN ISO 7388-1

Type	Part no.	Dimensions [mm]			Form A	Form A+AD
		D	d	L		
SK 30						
SK 30/KBF 1 – 13 mm	2230.50100	50	1–13	111	•	–
SK 40						
SK 40/KBF 1 – 13 mm	2240.50103	50	1–13	90	–	•
SK 50						
SK 50/KBF 1 – 13 mm	2250.50103	50	1–13	106	–	•

Included in delivery: Drill chuck and Allen key™

Drill chucks SK / KBF

Features and benefits

Clamping range

1–13 mm

Runout TIR

0.03 mm

Maximum tightening torque

20 Nm

Clamping force (at 20 Nm tightening torque)

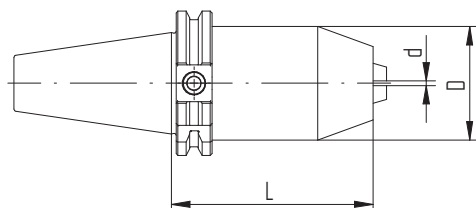
80 Nm

Maximum rpm

35,000 min⁻¹



SK / KBF



SK / KBF

Morse taper holders SK / MK

SK / MK

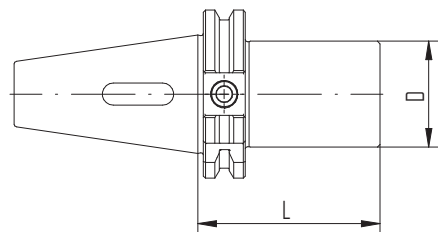
DIN 69871

DIN ISO 7388-1

Type	Part no.	Dimensions [mm]	
		D	L
SK 40			
SK 40/MK 1 x 050	2240.80110	25	50
SK 40/MK 2 x 050	2240.80210	32	50
SK 40/MK 3 x 070	2240.80320	40	70
SK 40/MK 4 x 095	2240.80430	48	95



SK / MK



SK / MK

Weldon end mill holders BT /WD

Universally suitable different machining applications, the BT interface toolholders cater to different machining needs.

MAS 403 / JIS B 6339 / DIN ISO 7388-2

Features of end mill holders (Weldon)

Runout TIR $\leq 3 \mu\text{m}$

Measured from inner bore to outer taper.

Taper accuracy AT3

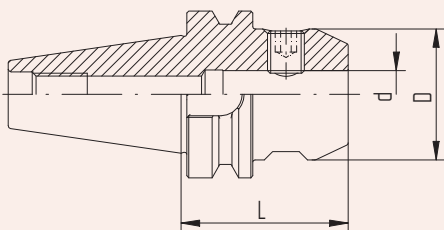
Better spindle-to-holder fit and accuracy.

Side locking screw

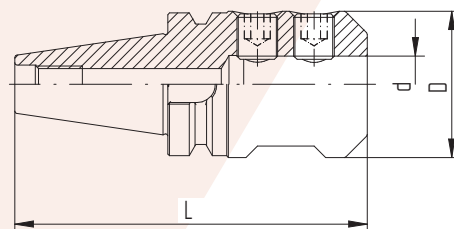
For highest transferable torque.

Coolant supply

All toolholders with form A+AD can be used for cooling. Form A+AD delivers the coolant supply through the taper.



Drawing 1 BT /WD



Drawing 2 BT /WD

Weldon end mill holders BT/WD

BT/WD

MAS 403

JIS B 6339

DIN ISO 7388-2

Type	Part no.	Dimensions [mm]			Form A+AD	Drawing
		D	d	L		
BT 30						
BT 30/WD 6 x 050	2130.30620	25	6	50	•	1
BT 30/WD 8 x 050	2130.30820	28	8	50	•	1
BT 30/WD 10 x 050	2130.31020	35	10	50	•	1
BT 30/WD 12 x 050	2130.31220	42	12	50	•	1
BT 30/WD 14 x 050	2130.31420	44	14	50	•	1
BT 30/WD 16 x 063	2130.31630	48	16	63	•	1
BT 30/WD 18 x 063	2130.31830	50	18	63	•	1
BT 30/WD 20 x 063	2130.32030	52	20	63	•	1
BT 40						
BT 40/WD 6 x 050	2140.30620	25	6	50	•	1
BT 40/WD 8 x 050	2140.30820	28	8	50	•	1
BT 40/WD 10 x 063	2140.31030	35	10	63	•	1
BT 40/WD 12 x 063	2140.31230	42	12	63	•	1
BT 40/WD 14 x 063	2140.31430	44	14	63	•	1
BT 40/WD 16 x 063	2140.31630	48	16	63	•	1
BT 40/WD 18 x 063	2140.31830	50	18	63	•	1
BT 40/WD 20 x 063	2140.32030	52	20	63	•	1
BT 40/WD 25 x 090	2140.32550	65	25	90	•	2
BT 40/WD 32 x 100	2140.33260	72	32	100	•	2
BT 50						
BT 50/WD 6 x 063	2150.30630	25	6	63	•	1
BT 50/WD 8 x 063	2150.30830	28	8	63	•	1
BT 50/WD 10 x 063	2150.31030	35	10	63	•	1
BT 50/WD 12 x 080	2150.31250	42	12	80	•	1
BT 50/WD 14 x 080	2150.31450	44	14	80	•	1
BT 50/WD 16 x 080	2150.31650	48	16	80	•	1
BT 50/WD 18 x 080	2150.31850	50	18	80	•	1
BT 50/WD 20 x 080	2150.32050	52	20	80	•	1
BT 50/WD 25 x 100	2150.32560	65	25	100	•	2
BT 50/WD 32 x 105	2150.33260	72	32	105	•	2
BT 50/WD 40 x 110	2150.34060	80	40	110	•	2

Included in delivery: End mill holder and lock screw

Universal shell/face mill holders BT/KFD

BT/KFD

MAS 403

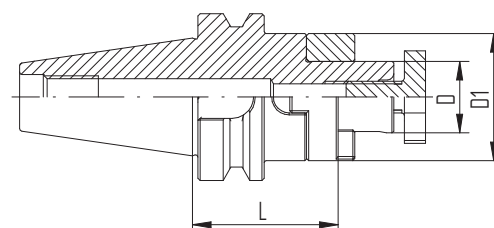
JIS B 6339

DIN ISO 7388-2

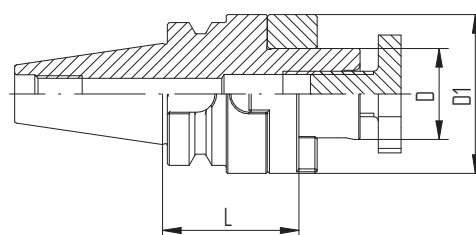
Type	Part no.	Dimensions [mm]				Form A+AD	Drawing	Accessory
		D	D1	L	Wrench			
BT 30								
BT 30/KFD 16 x 045	2130.41620	16	32	45	•	1	FDS 16	
BT 30/KFD 22 x 047	2130.42220	22	40	47	•	1	FDS 22	
BT 30/KFD 27 x 049	2130.42720	27	48	49	•	2	FDS 27	
BT 30/KFD 32 x 053	2130.43230	32	58	53	•	2	FDS 32	
BT 40								
BT 40/KFD 16 x 055	2140.41630	16	32	55	•	1	FDS 16	
BT 40/KFD 22 x 055	2140.42230	22	40	55	•	1	FDS 22	
BT 40/KFD 27 x 055	2140.42730	27	48	55	•	1	FDS 27	
BT 40/KFD 32 x 060	2140.43240	32	58	60	•	1	FDS 32	
BT 40/KFD 40 x 060	2140.44040	40	70	60	•	2	FDS 40	
BT 50								
BT 50/KFD 16 x 070	2150.41630	16	32	70	•	1	FDS 16	
BT 50/KFD 22 x 070	2150.42230	22	40	70	•	1	FDS 22	
BT 50/KFD 27 x 070	2150.42750	27	48	70	•	1	FDS 27	
BT 50/KFD 32 x 070	2150.43250	32	58	70	•	1	FDS 32	
BT 50/KFD 40 x 070	2150.44050	40	70	70	•	1	FDS 40	
BT 50/KFD 50 x 070	2150.45050	50	90	70	•	1	FDS 50	

For details on our FDS wrenches, please refer to page 259

Included in delivery: Universal shell/face mill holder, lock screw, feather key and drive ring



Drawing 1 BT/KFD



Drawing 2 BT/KFD

Drill chucks BT /KBF

BT /KBF

MAS 403

JIS B 6339

DIN ISO 7388-2

Type	Part no.	d	Dimensions [mm]		Form A	Form A+AD
			D	L		
BT 30						
BT 30/KBF 1 – 13 mm	2130.50100	1–13	50	95	•	–
BT 40						
BT 40/KBF 1 – 13 mm	2140.50103	1– 13	50	98	–	•
BT 50						
BT 50/KBF 1 – 13 mm	2150.50103	1– 13	50	100	–	•

Included in delivery: Drill chuck and Allen key™

Drill chucks BT /KBF

Features and benefits

Clamping range

1–13 mm

Runout TIR

0.03 mm

Maximum tightening torque

20 Nm

Clamping force (at 20 Nm tightening torque)

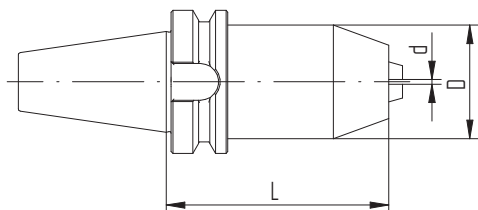
80 Nm

Maximum rpm

35,000 min⁻¹



BT /KBF



BT /KBF

Morse taper holders BT / MK

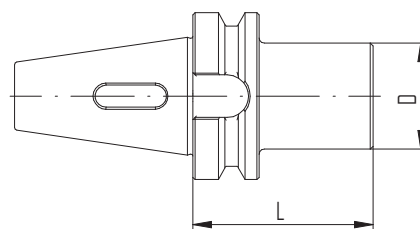
BT / MK

MAS 403

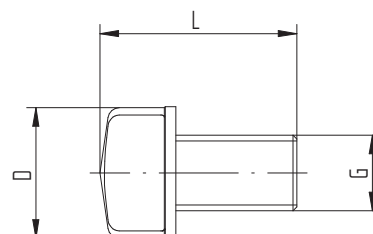
JIS B 6339

DIN ISO 7388-2

Type	Part no.	Dimensions [mm]	
		D	L
BT 40			
BT 40/MK 1 x 050	2140.80110	25	50
BT 40/MK 2 x 050	2140.80210	32	50
BT 40/MK 3 x 070	2140.80320	40	70
BT 40/MK 4 x 095	2140.80430	48	95



Type	Part no.	G	Dimensions [mm]	
			D	L
Tangs ATL				
ATL 6/MK 1	7221.01000	M 6	8,5	21,5
ATL 10/MK 2	7221.02000	M 10	13,5	30,5
ATL 12/MK 3	7221.03000	M 12	18,5	35
ATL 16/MK 4	7221.04000	M 16	24,5	41
ATL 20/MK 5	7221.05000	M 20	35	52



REGO-FIX CAPTO licensed by Sandvik Coromant

End mill holders REGO-FIX C/WD

These self-centering and balanced holders enable a high torque transmission and show a high bending strength.

ISO 12164

Features of end mill holders (Weldon)

Runout TIR $\leq 3 \mu\text{m}$

Measured from inner bore to outer taper.

Side locking screw

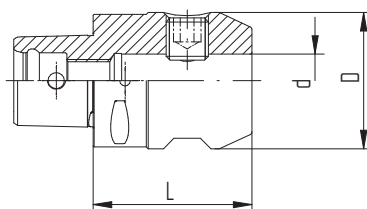
For highest transferable torque.

Certified REGO-FIX CAPTO – licensed by Sandvik Coromant – is manufactured at REGO-FIX Switzerland under license according to CAPTO specifications.

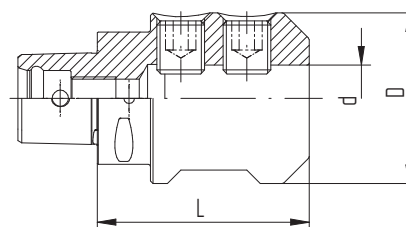


End mill holders REGO-FIX C/WD

Type	Part no.	Dimensions [mm]			Drawing
		D1	d	L	
C3					
C3/WD 6 x 045	2803.30610	25	6	45	1
C3/WD 8 x 045	2803.30810	28	8	45	1
C3/WD 10 x 050	2803.31020	35	10	50	1
C3/WD 12 x 055	2803.31220	42	12	55	1
C4					
C4/WD 6 x 050	2804.30620	25	6	50	1
C4/WD 8 x 050	2804.30820	28	8	50	1
C4/WD 10 x 050	2804.31020	35	10	50	1
C4/WD 12 x 055	2804.31220	42	12	55	1
C4/WD 14 x 055	2804.31420	44	14	55	1
C4/WD 16 x 055	2804.31620	48	16	55	1
C5					
C5/WD 6 x 050	2805.30620	25	6	50	1
C5/WD 8 x 050	2805.30820	28	8	50	1
C5/WD 10 x 055	2805.31020	35	10	55	1
C5/WD 12 x 060	2805.31230	42	12	60	1
C5/WD 14 x 060	2805.31430	44	14	60	1
C5/WD 16 x 060	2805.31630	48	16	60	1
C5/WD 18 x 060	2805.31830	50	18	60	1
C5/WD 20 x 060	2805.32030	52	20	60	1
C5/WD 25 x 080	2805.32550	65	25	80	2



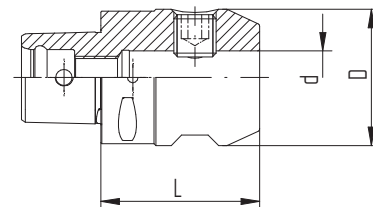
Drawing 1 C/WD



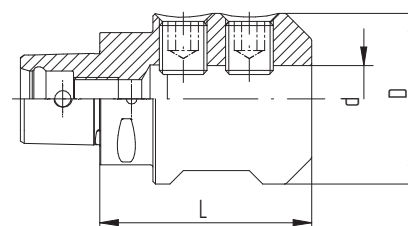
Drawing 2 C/WD

End mill holders REGO-FIX C/WD

Type	Part no.	Dimensions [mm]			Drawing
		D1	d	L	
C6					
C6/WD 6 x 055	2806.30620	25	6	55	1
C6/WD 8 x 055	2806.30820	28	8	55	1
C6/WD 10 x 060	2806.31030	35	10	60	1
C6/WD 12 x 060	2806.31230	42	12	60	1
C6/WD 14 x 060	2806.31430	44	14	60	1
C6/WD 16 x 065	2806.31630	48	16	65	1
C6/WD 18 x 065	2806.31830	50	18	65	1
C6/WD 20 x 065	2806.32030	52	20	65	1
C6/WD 25 x 080	2806.32550	65	25	80	2
C6/WD 32 x 090	2806.33250	72	32	90	2
C6/WD 40 x 100	2806.34060	80	40	100	2
C8					
C8/WD 6 x 070	2808.30640	25	6	70	1
C8/WD 8 x 070	2808.30840	28	8	70	1
C8/WD 10 x 070	2808.31040	35	10	70	1
C8/WD 12 x 070	2808.31240	42	12	70	1
C8/WD 14 x 070	2808.31440	44	14	70	1
C8/WD 16 x 070	2808.31640	48	16	70	1
C8/WD 18 x 070	2808.31840	50	18	70	1
C8/WD 20 x 070	2808.32040	52	20	70	1
C8/WD 25 x 080	2808.32550	65	25	80	2
C8/WD 32 x 080	2808.33250	72	32	80	2
C8/WD 40 x 110	2808.34060	80	40	110	2



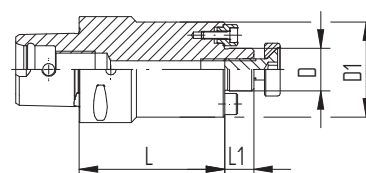
Drawing 1 C/WD



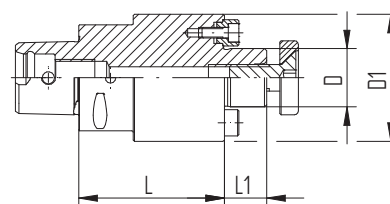
Drawing 2 C/WD

Shell mill arbors REGO-FIX C/MA

Type	Part no.	Dimensions [mm]				Drawing
		D	D1	L	L1	
C3						
C3/MA 16 x 030	2803.01610	16	36	30	11	2
C4						
C4/MA 16 x 032	2804.01610	16	36	32	11	1
C4/MA 16 x 055	2804.01620	16	36	55	11	1
C4/MA 22 x 025	2804.02210	22	48	25	16	2
C4/MA 22 x 055	2804.02220	22	48	55	16	2
C5						
C5/MA 16 x 035	2805.01610	16	36	35	11	1
C5/MA 16 x 070	2805.01640	16	36	70	11	1
C5/MA 22 x 025	2805.02210	22	50	25	16	1
C5/MA 22 x 070	2805.02240	22	48	70	16	1
C5/MA 27 x 025	2805.02710	27	56	25	18	2
C5/MA 32 x 040	2805.03210	32	65	40	20	2



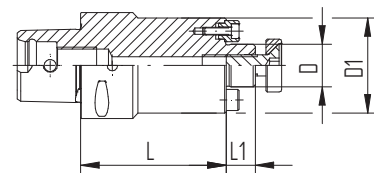
Drawing 1 C/MA



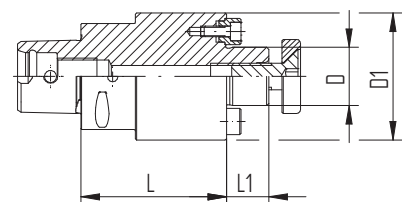
Drawing 2 C/MA

Shell mill arbors REGO-FIX C/MA

Type	Part no.	Dimensions [mm]				Drawing
		D	D1	L	L1	
C6						
C6/MA 16 x 040	2806.01610	16	36	40	11	1
C6/MA 22 x 025	2806.02210	22	55	25	16	1
C6/MA 27 x 025	2806.02710	27	63	25	18	1
C6/MA 32 x 025	2806.03210	32	65	25	20	2
C6/MA 40 x 040	2806.04010	40	80	40	23	2
C8						
C8/MA 16 x 050	2808.01620	16	36	50	11	1
C8/MA 22 x 030	2808.02210	22	55	30	16	1
C8/MA 27 x 030	2808.02710	27	65	30	18	1
C8/MA 32 x 030	2808.03210	32	80	30	20	1
C8/MA 40 x 030	2808.04010	40	80	30	23	1



Drawing 1 C/MA



Drawing 2 C/MA



**Reduction sleeves
for hydro chucks**

HS



page 233

HS-CF
with coolant flush



page 233



Reduction sleeves for hydro chucks

Reduction sleeves are designed to fit hydro chucks of different manufacturers. They are specially suited for high-precision clamping of cylindrical tool shanks.

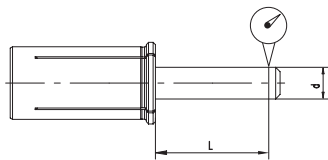
Reduction sleeves for hydro chucks Our reduction sleeves are designed to fit hydro chucks of different manufacturers. They are specially suited for high-precision clamping of cylindrical tool shanks per DIN 6335 form HA, HB and HE, as well as tool shanks per DIN 1835 form B, C, D and E.

The special design of REGO-FIX reduction sleeves allows an efficient use of coolant through cutting tools. This self-sealing system works with the most common hydraulic expansion chucks.

Correct assembly Improper assembly can damage the concentricity of the reduction sleeve.

- // Insert tools the full length of the reduction sleeve
- // Only clamp h6 tool shanks
- // Do not clamp reduction sleeve without a tool, as this could result in a damaged reduction sleeve

Concentricity (TIR) of REGO-FIX HS type reduction sleeves



Clamping diameter d [mm]			max. TIR [mm]
> d	≤ d	L	
3.0	6.0	16	0.003
6.0	10.0	25	0.003
10.0	18.0	40	0.003
18.0	26.0	50	0.003



Swiss quality standard

Our products marked Swiss made are manufactured at our headquarters in Tenniken, Switzerland.

Reductions sleeves for hydro chucks HS

Features and benefits

Accurate precision

Runout TIR < 3 μm

High flexibility

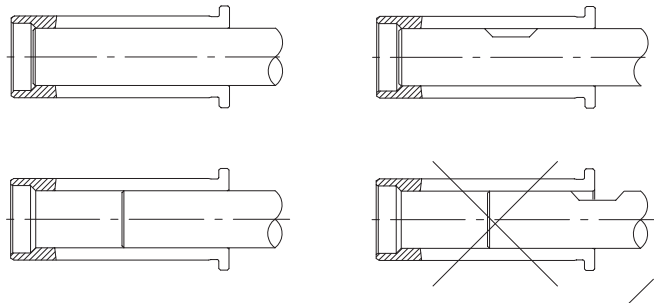
Clamp different tool shank diameters in hydro chucks: 12, 20, 25 and 32 mm.

Standard version HS suited for internal cooling

Metal-to-metal seal for cutting tools with internal coolant channels.

HS-CF suited for peripheral cooling

The coolant flush reductions sleeves HS-CF can be used for peripheral cooling due to their coolant channels.



Comparison of transferable torque at Ø 20 mm



Direct clamping

Shank Ø 20 mm in
toolholder Ø 20 mm

Reduction sleeve 32/20

Shank Ø 20 mm in
toolholder Ø 32 mm

Reduction sleeves HS and HS-CF [metric]

HS

Ø bore	Part no.							
[mm]	HS 12-MB	HS 12	HS 12-CF	HS 20	HS 20-CF	HS 25	HS 32	HS 32-CF
1.0	1912.01009	–	–	–	–	–	–	–
1.5	1912.01509	–	–	–	–	–	–	–
2.0	1912.02009	–	–	–	–	–	–	–
2.5	1912.02509	–	–	–	–	–	–	–
3.0	–	1912.03000	1912.03002	1920.03000	1920.03002	1925.03000	1932.03000	–
4.0	–	1912.04000	1912.04002	1920.04000	1920.04002	1925.04000	1932.04000	–
5.0	–	1912.05000	1912.05002	1920.05000	1920.05002	1925.05000	1932.05000	–
6.0	–	1912.06000	1912.06002	1920.06000	1920.06002	1925.06000	1932.06000	1932.06002
7.0	–	1912.07000	–	1920.07000	–	1925.07000	1932.07000	–
8.0	–	1912.08000	1912.08002	1920.08000	1920.08002	1925.08000	1932.08000	1932.08002
9.0	–	1912.09000	–	1920.09000	–	1925.09000	1932.09000	–
10.0	–	1912.10000	–	1920.10000	1920.10002	1925.10000	1932.10000	1932.10002
11.0	–	–	–	1920.11000	–	–	1932.11000	–
12.0	–	–	–	1920.12000	1920.12002	1925.12000	1932.12000	1932.12002
13.0	–	–	–	1920.13000	–	–	1932.13000	–
14.0	–	–	–	1920.14000	1920.14002	1925.14000	1932.14000	1932.14002
15.0	–	–	–	1920.15000	–	–	1932.15000	–
16.0	–	–	–	1920.16000	1920.16002	1925.16000	1932.16000	1932.16002
17.0	–	–	–	–	–	–	1932.17000	–
18.0	–	–	–	1920.18000	–	1925.18000	1932.18000	1932.18002
19.0	–	–	–	–	–	–	1932.19000	–
20.0	–	–	–	–	–	1925.20000	1932.20000	1932.20002
21.0	–	–	–	–	–	–	–	–
22.0	–	–	–	–	–	–	1932.22000	–
23.0	–	–	–	–	–	–	–	–
24.0	–	–	–	–	–	–	–	–
25.0	–	–	–	–	–	–	1932.25000	1932.25002

For further technical information, please refer to page 301 and 303



Reduction sleeves HS [inch]

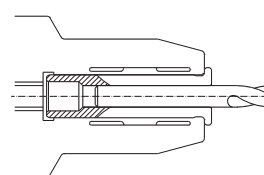
HS

Ø bore		Part no.			
[decimal "]	[inch]	HS 12	HS 20	HS 25	HS 32
0.125	1/8"	1912.03181	1920.03181	1925.03181	–
0.1875	3/16"	1912.04761	1920.04761	1925.04761	1932.04761
0.25	1/4"	1912.06351	1920.06351	1925.06351	1932.06351
0.3125	5/16"	1912.07941	1920.07941	1925.07941	1932.07941
0.375	3/8"	1912.09521	1920.09521	1925.09521	1932.09521
0.4375	7/16"	–	1920.11111	1925.11111	1932.11111
0.5	1/2"	–	1920.12701	1925.12701	1932.12701
0.5625	9/16"	–	1920.14291	1925.14291	1932.14291
0.625	5/8"	–	1920.15881	1925.15881	1932.15881
0.6875	11/16"	–	–	1925.17461	1932.17461
0.75	3/4"	–	–	1925.19051	1932.19051
0.8125	13/16"	–	–	1925.20631	1932.20631
0.875	7/8"	–	–	–	1932.22221
0.9375	15/16"	–	–	–	1932.23811
1.0	1"	–	–	–	1932.25401

For further technical information, please refer to page 301

Expert advice

The outer diameter of the reduction sleeves corresponds to each type, e.g. HS 12 equals diameter 12 mm.



HS section drawing

Ø bore		Part no.			
[decimal "]	[inch]	HS 1/2"	HS 3/4"	HS 1"	HS 1 1/4"
0.125	1/8"	1913.03182	1919.03182	1926.03182	–
0.1875	3/16"	1913.04762	1919.04762	1926.04762	1931.04762
0.25	1/4"	1913.06352	1919.06352	1926.06352	1931.06352
0.3125	5/16"	1913.07942	1919.07942	1926.07942	1931.07942
0.375	3/8"	1913.09522	1919.09522	1926.09522	1931.09522
0.4375	7/16"	–	1919.11112	1926.11112	1931.11112
0.5	1/2"	–	1919.12702	1926.12702	1931.12702
0.5625	9/16"	–	1919.14292	1926.14292	1931.14292
0.625	5/8"	–	1919.15882	1926.15882	1931.15882
0.6875	11/16"	–	–	1926.17462	1931.17462
0.75	3/4"	–	–	1926.19052	1931.19052
0.8125	13/16"	–	–	–	–
0.875	7/8"	–	–	–	–
0.9375	15/16"	–	–	–	–
1.0	1"	–	–	–	1931.25402

For further technical information, please refer to page 301

Expert advice

Our chip cover is ideally suited for the removal of chips. The cover can simply be clicked-in at the head of our reduction sleeves.

For part numbers and more information, please refer to page 236

Expert advice

The coolant flush reductions sleeves HS-CF can be used for peripheral cooling due to their coolant channels.

Easy removing of the reduction sleeve from hydro chucks thanks to the extractor EHS.

For part numbers and more information, please refer to page 236.

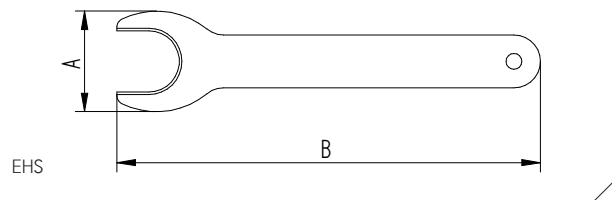
Extractors for reduction sleeves EHS

Chip covers for reduction sleeves CC

EHS

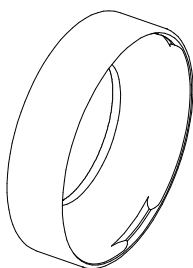
CC-HS

Type	Part no.	A [mm]	B [mm]
Extractors for reduction sleeves EHS			
EHS 12 – 1/2"	7321.12000	24	100
EHS 20 – 3/4"	7321.20000	38	160
EHS 25 – 1"	7321.25000	51	180
EHS 32 – 1 1/4"	7321.32000	63	200



Type	Part no.	Fits	Reduction sleeve Ø	
			[mm]	[inch]
Chip covers for reduction sleeves CC-HS 12				
CC-HS 12 – 1/2" / Ø 4.0 mm	7331.04200	HS 12, HS 1/2"	3–4	1/8"
CC-HS 12 – 1/2" / Ø 6.0 mm	7331.06600	HS 12, HS 1/2"	5–6	3/16"–1/4"
CC-HS 12 – 1/2" / Ø 10.0 mm	7331.10200	HS 12, HS 1/2"	7–10	5/16"–3/8"

Chip covers for reduction sleeves CC-HS 20				
CC-HS 20 – 3/4" / Ø 4.0 mm	7333.04200	HS 20, HS 3/4"	3–4	1/8"
CC-HS 20 – 3/4" / Ø 6.0 mm	7333.06600	HS 20, HS 3/4"	5–6	1/16"–1/4"
CC-HS 20 – 3/4" / Ø 10.0 mm	7333.10200	HS 20, HS 3/4"	7–10	5/16"–3/8"
CC-HS 20 – 3/4" / Ø 14.0 mm	7333.14200	HS 20, HS 3/4"	11–14	7/16"–1/2"
CC-HS 20 – 3/4" / Ø 16.0 mm	7333.16200	HS 20, HS 3/4"	15–16	9/16"–5/8"
CC-HS 20 – 3/4" / Ø 18.0 mm	7333.18200	HS 20, HS 3/4"	18	–



CC-HS



Accessories

powRgrip® accessories	238
Balancing rings	241
Sealing disks	244
Coolant flush disks	252
Wrenches	255
Torque wrenches	258
Toolholding fixtures	260
Mobile workbench for PGU 9500	261
TORCO-BLOCK	262
Taper cleaner	264
Coolant tubes KSR	265
Trays for collets	266

The colored dots show the system affiliation.
Various products can be used with multiple systems.

- powRgrip® System
- ER System
- micRun® System
- Multi Line System



powRgrip® taper cleaner TKCP

Cleaning paper set CPS

TKCP

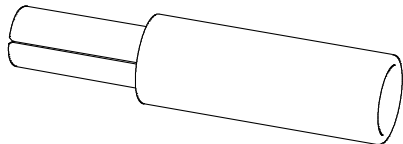
CPS

Type	Part no.	Use for
Taper cleaner TKCP		
TKCP 6	7657.06000	PG 6
TKCP 10	7657.10000	PG 10
TKCP 15	7657.15000	PG 15
TKCP 25	7657.25000	PG 25
TKCP 32	7657.32000	PG 32

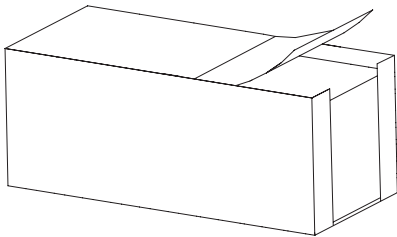
Includes taper cleaner and cleaning paper set

Type	Part no.
Cleaning paper set CPS	
CPS 6	7658.06000
CPS 10	7658.10000
CPS 15	7658.15000
CPS 25	7658.25000
CPS 32	7658.32000

Each CPS contains 250 sheets. For single use only



TKCP

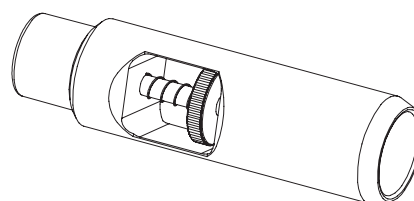
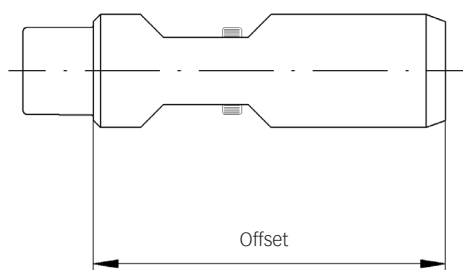


CPS



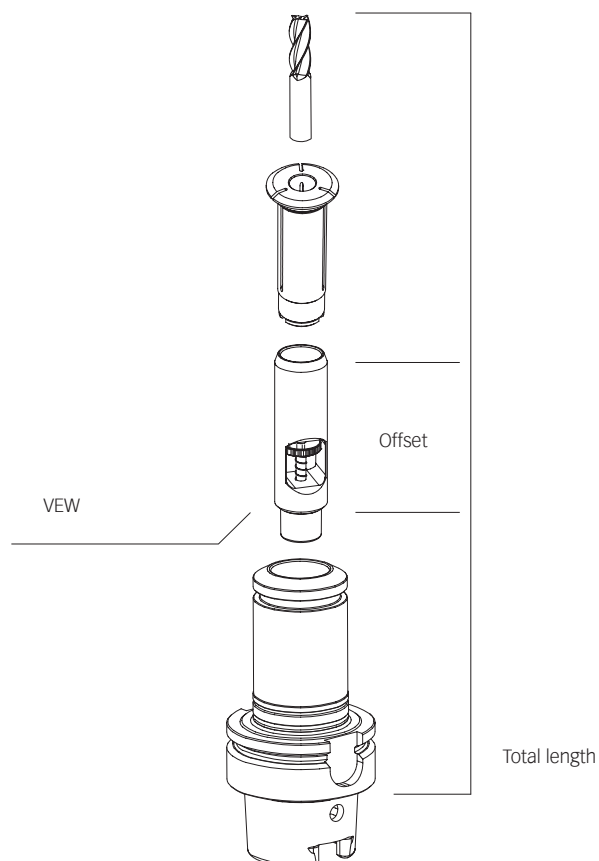
Type	Part no.	Offset
Length-presetting tool VEW		[mm]
VEW 6	7619.06000	80
VEW 10	7619.10000	100
VEW 15	7619.15000	100
VEW 25	7619.25000	100
VEW 32	7619.32000	100

Precise tool adjusting The powRgrip® presetting tool accommodates the powRgrip® collet and is inserted into the toolholder. The presetting tool has an adjustment wheel for precise tool adjustments.



VEW

Length-presetting tool VEW



How it works

- // Insert the length-presetting tool VEW into the powRgrip® toolholder
- // Insert the powRgrip® collet into the length-presetting tool
- // Insert the cutting tool into the powRgrip® collet
- // Adjust the tool length by turning the adjustment wheel
- // Measure the total length of the cutting tool and subtract the length of the VEW (80 mm / 100 mm) from the total length
- // Remove the length-presetting tool VEW
- // Clamp collet and cutting tool into the powRgrip® toolholder with the powRgrip® clamping unit

Hi-Q® balancing rings FWR Torque screwdriver TSD

FWR

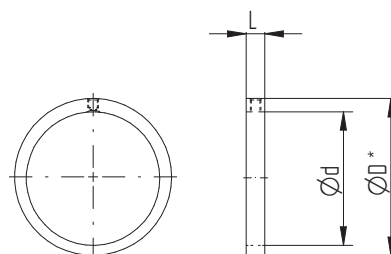
TSD

Type	Part no.	Dimensions [mm]			Balancing capacity [gmm]		max. rpm	System
		D	d	L	FWR SET	single FWR		
Hi-Q® balancing rings FWR								
SET FWR 225	7490.22500	30.5	22.5	6	16	8	80 000	
SET FWR 285	7490.28500	36.5	28.5	6	32	16	70 000	
SET FWR 325	7490.32500	40.5	32.5	6	44	22	60 000	
SET FWR 405	7490.40500	48.5	40.5	6	52	26	50 000	
SET FWR 505	7490.50500	60.5	50.5	7	130	65	42 000	

Included in set: two Hi-Q® balancing rings per set



Balancing rings SET FWR



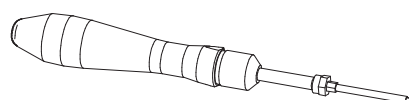
Single balancing ring

*Rotational diameter

Type Part no.

TSD TORX 8 for balancing rings

TSD 0.9 Nm 7159.09000



TSD

Expert advice

The torque screwdriver is a special TORX style wrench that is preset to the recommended torque rating of 0.9 Nm for tightening the REGO-FIX Hi-Q® balancing rings.



Effective solution for internal cooling

Our sealing disks allow you to use your regular collet for internal cooling, saving the need for new collets.

Key advantages

Swiss quality product

Sealing range

0.5 mm

ER 11 has no sealing range and can only be used nominally. Assembling with mounting tool MWZ.

High pressure

For applications up to 150 bar / 2100 PSI.

Protection

Protects against all kind of dirt and chips entering the slots of the collet.

Matched tooling system for best fit

Our long-lasting machining experience results in a well-engineered system. All components are fitted together to one system to maximize your machining potential.

Coolant resistant

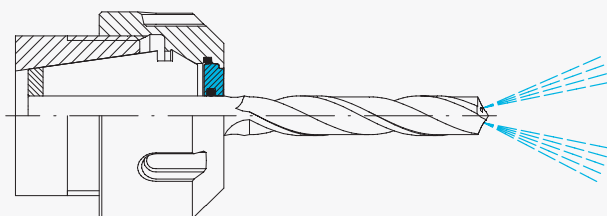
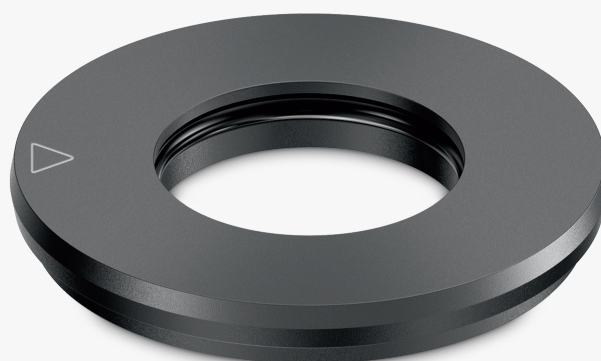
O-ring for aggressive coolant (VITON®-quality).

Interchangeable

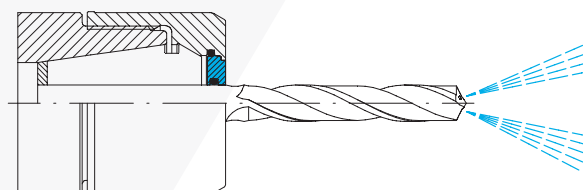
Quick change of sealing disks according to required tool shank diameter.

Coolant through

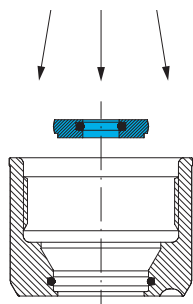
For better cooling and lubrication. Extends tool life and supports chip removal.



DS/ER



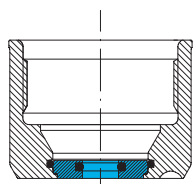
DS/MR



Assembling

Assembling Insert the small diameter of the disk into the center of the coolant nut. Apply an even pressure until the disk is properly seated into the nut.

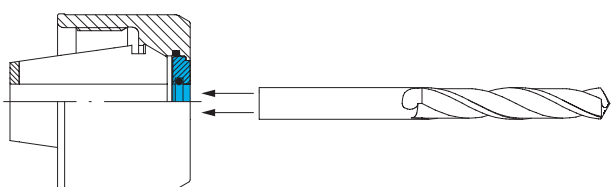
Removing To remove the disk, simply press on the outside of the disk evenly until it snaps out.



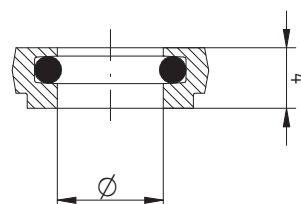
Inserted DS

Expert advice

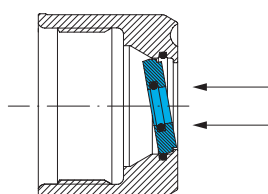
Insert tool with the shank side first. O-ring might be damaged if cutting tool is inserted from the back with the cutting edge side.



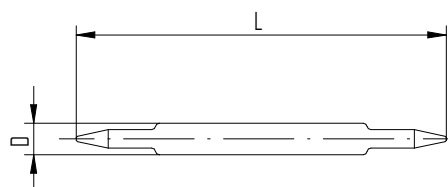
Insert tool



DS / ER



Disk removal



MWZ 11

Type	Part no.	D [mm]	L [mm]
MWZ 11 mounting tool for sealing disks			
MWZ 11	3911.88888	12	140



Sealing disks for ER/MR

DS/ER

DS/MR

Type	Part no.	Tool diameter			Incl. in set	System
		Ø [inch]	[mm]	[decimal inch]		
DS/ER 11						
Ø 3.0 mm	3911.00300	–	3.0	–	–	●
Ø 1/8"	3911.00318	1/8"	–	–	–	●
Ø 4.0 mm	3911.00400	5/32"	4.0	–	–	●
Ø 3/16"	3911.00476	3/16"	–	–	–	●
Ø 5.0 mm	3911.00500	–	5.0	–	–	●
Ø 6.0 mm	3911.00600	–	6.0	–	–	●
Ø 1/4"	3911.00635	1/4"	–	–	–	●
BLANK DS/ER 11	3911.09999	–	–	–	–	●

ER 11 has no sealing range and can only be used nominally. Assembling with mounting tool MWZ.

DS/ER 16						
DS/ER 16 SET (14 pcs.)	3916.00000	–	3.0–10.0	0.1378–0.3937	–	••
Ø 3.0 mm	3916.00300	3/32"	3.0–2.5	0.1181–0.0984	–	••
Ø 3.5 mm	3916.00350	1/8"	3.5–3.0	0.1378–0.1181	•	••
Ø 4.0 mm	3916.00400	5/32"	4.0–3.5	0.1575–0.1378	•	••
Ø 4.5 mm	3916.00450	–	4.5–4.0	0.1772–0.1575	•	••
Ø 5.0 mm	3916.00500	3/16"	5.0–4.5	0.1969–0.1772	•	••
Ø 5.5 mm	3916.00550	7/32"	5.5–5.0	0.2165–0.1969	•	••
Ø 6.0 mm	3916.00600	–	6.0–5.5	0.2362–0.2165	•	••
Ø 6.5 mm	3916.00650	1/4"	6.5–6.0	0.2559–0.2362	•	••
Ø 7.0 mm	3916.00700	–	7.0–6.5	0.2756–0.2559	•	••
Ø 7.5 mm	3916.00750	9/32"	7.5–7.0	0.2953–0.2756	•	••
Ø 8.0 mm	3916.00800	5/16"	8.0–7.5	0.315–0.2953	•	••
Ø 8.5 mm	3916.00850	–	8.5–8.0	0.3346–0.315	•	••
Ø 9.0 mm	3916.00900	11/32"	9.0–8.5	0.3543–0.3346	•	••
Ø 9.5 mm	3916.00950	3/8"	9.5–9.0	0.374–0.3543	•	••
Ø 10.0 mm	3916.01000	–	10.0–9.5	0.3937–0.374	•	••
BLANK DS/ER 16	3916.09999	–	–	–	–	••

Included in the DS/ER sets are all marked disks within that ER size and the matching disk try DSR

DS/ER 20						
SET DS/ER 20 (20 pcs.)	3920.00000	–	3.0–13.0	0.1378–0.5118	–	•
Ø 3.0 mm	3920.00300	3/32"	3.0–2.5	0.1181–0.0984	–	•
Ø 3.5 mm	3920.00350	1/8"	3.5–3.0	0.1378–0.1181	•	•
Ø 4.0 mm	3920.00400	5/32"	4.0–3.5	0.1575–0.1378	•	•
Ø 4.5 mm	3920.00450	–	4.5–4.0	0.2165–0.1969	•	•
Ø 5.0 mm	3920.00500	3/16"	5.0–4.5	0.1969–0.1772	•	•
Ø 5.5 mm	3920.00550	7/32"	5.5–5.0	0.1772–0.1575	•	•
Ø 6.0 mm	3920.00600	–	6.0–5.5	0.2362–0.2165	•	•
Ø 6.5 mm	3920.00650	1/4"	6.5–6.0	0.2559–0.2362	•	•
Ø 7.0 mm	3920.00700	–	7.0–6.5	0.2756–0.2559	•	•
Ø 7.5 mm	3920.00750	9/32"	7.5–7.0	0.2953–0.2756	•	•
Ø 8.0 mm	3920.00800	5/16"	8.0–7.5	0.315–0.2953	•	•
Ø 8.5 mm	3920.00850	–	8.5–8.0	0.3346–0.315	•	•

Sealing disks for ER/MR

DS/ER

DS/MR

Type	Part no.	Tool diameter			Incl. in set	System
		Ø [inch]	[mm]	[decimal inch]		
Ø 9.0 mm	3920.00900	11/32"	9.0–8.5	0.3543–0.3346	•	•
Ø 9.5 mm	3920.00950	3/8"	9.5–9.0	0.374–0.3543	•	•
Ø 10.0 mm	3920.01000	–	10.0–9.5	0.3937–0.374	•	•
Ø 10.5 mm	3920.01050	13/32"	10.5–10.0	0.4134–0.3937	•	•
Ø 11.0 mm	3920.01100	–	11.0–10.5	0.433–0.4134	•	•
Ø 11.5 mm	3920.01150	7/16"	11.5–11.0	0.4528–0.4331	•	•
Ø 12.0 mm	3920.01200	15/32"	12.0–11.5	0.4724–0.4528	•	•
Ø 12.5 mm	3920.01250	–	12.5–12.0	0.4921–0.4724	•	•
Ø 13.0 mm	3920.01300	1/2"	13.0–12.5	0.5118–0.4921	•	•
BLANK DS/ER 20	3920.09999	–	–	–	–	•

Included in the DS/ER sets are all marked disks within that ER size and the matching disk try DSR

DS/ER 25

SET DS/ER 25 (26 pcs.)	3925.00000	–	3.0–16.0	0.1181–0.6299	–	••
Ø 3.0 mm	3925.00300	3/32"	3.0–2.5	0.1181–0.0984	–	••
Ø 3.5 mm	3925.00350	1/8"	3.5–3.0	0.1378–0.1181	•	••
Ø 4.0 mm	3925.00400	5/32"	4.0–3.5	0.1575–0.1378	•	••
Ø 4.5 mm	3925.00450	–	4.5–4.0	0.1772–0.1575	•	••
Ø 5.0 mm	3925.00500	3/16"	5.0–4.5	0.1969–0.1772	•	••
Ø 5.5 mm	3925.00550	7/32"	5.5–5.0	0.2165–0.1969	•	••
Ø 6.0 mm	3925.00600	–	6.0–5.5	0.2362–0.2165	•	••
Ø 6.5 mm	3925.00650	1/4"	6.5–6.0	0.2559–0.2362	•	••
Ø 7.0 mm	3925.00700	–	7.0–6.5	0.2756–0.2559	•	••
Ø 7.5 mm	3925.00750	9/32"	7.5–7.0	0.2953–0.2756	•	••
Ø 8.0 mm	3925.00800	5/16"	8.0–7.5	0.315–0.2953	•	••
Ø 8.5 mm	3925.00850	–	8.5–8.0	0.3346–0.315	•	••
Ø 9.0 mm	3925.00900	11/32"	9.0–8.5	0.3543–0.3347	•	••
Ø 9.5 mm	3925.00950	3/8"	9.5–9.0	0.374–0.3543	•	••
Ø 10.0 mm	3925.01000	–	10.0–9.5	0.3937–0.374	•	••
Ø 10.5 mm	3925.01050	13/32"	10.5–10.0	0.4134–0.3937	•	••
Ø 11.0 mm	3925.01100	–	11.0–10.5	0.433–0.4134	•	••
Ø 11.5 mm	3925.01150	7/16"	11.5–11.0	0.4528–0.433	•	••
Ø 12.0 mm	3925.01200	15/32"	12.0–11.5	0.4724–0.4528	•	••
Ø 12.5 mm	3925.01250	–	12.5–12.0	0.4921–0.4724	•	••
Ø 13.0 mm	3925.01300	1/2"	13.0–12.5	0.2118–0.4921	•	••
Ø 13.5 mm	3925.01350	17/32"	13.5–13.0	0.5315–0.5118	•	••
Ø 14.0 mm	3925.01400	–	14.0–13.5	0.5512–0.5315	•	••
Ø 14.5 mm	3925.01450	9/16"	14.5–14.0	0.5709–0.5512	•	••
Ø 15.0 mm	3925.01500	–	15.0–14.5	0.5906–0.5709	•	••
Ø 15.5 mm	3925.01550	19/32"	15.5–15.0	0.6102–0.5906	•	••
Ø 16.0 mm	3925.01600	5/8"	16.0–15.5	0.6299–0.6102	•	••
BLANK DS/ER 25	3925.09999	–	–	–	–	••

Included in the DS/ER sets are all marked disks within that ER size and the matching disk try DSR



Sealing disks for ER/MR

DS/ER

DS/MR

Type	Part no.	Tool diameter			Incl. in set	System
		Ø [inch]	[mm]	[decimal inch]		
DS/ER 32						
DS/ER 32 SET (34 pcs.)	3932.00000	–	3.0–20.0	0.1181–0.7874	–	 
Ø 3.0 mm	3932.00300	3/32"	3.0–2.5	0.1181–0.0984	–	 
Ø 3.5 mm	3932.00350	1/8"	3.5–3.0	0.1378–0.1181		 
Ø 4.0 mm	3932.00400	5/32"	4.0–3.5	0.1575–0.1378		 
Ø 4.5 mm	3932.00450	–	4.5–4.0	0.1772–0.1575		 
Ø 5.0 mm	3932.00500	3/16"	5.0–4.5	0.1969–0.1772		 
Ø 5.5 mm	3932.00550	7/32"	5.5–5.0	0.2165–0.1969		 
Ø 6.0 mm	3932.00600	–	6.0–5.5	0.2362–0.2165		 
Ø 6.5 mm	3932.00650	1/4"	6.5–6.0	0.2559–0.2362		 
Ø 7.0 mm	3932.00700	–	7.0–6.5	0.2756–0.2559		 
Ø 7.5 mm	3932.00750	9/32"	7.5–7.0	0.2953–0.2756		 
Ø 8.0 mm	3932.00800	5/16"	8.0–7.5	0.315–0.2953		 
Ø 8.5 mm	3932.00850	–	8.5–8.0	0.3346–0.315		 
Ø 9.0 mm	3932.00900	11/32"	9.0–8.5	0.3543–0.3346		 
Ø 9.5 mm	3932.00950	3/8"	9.5–9.0	0.374–0.3543		 
Ø 10.0 mm	3932.01000	–	10.0–9.5	0.3937–0.374		 
Ø 10.5 mm	3932.01050	13/32"	10.5–10.0	0.4134–0.3937		 
Ø 11.0 mm	3932.01100	–	11.0–10.5	0.4331–0.4134		 
Ø 11.5 mm	3932.01150	7/16"	11.5–11.0	0.4528–0.4331		 
Ø 12.0 mm	3932.01200	15/32"	12.0–11.5	0.4724–0.4528		 
Ø 12.5 mm	3932.01250	–	12.5–12.0	0.4921–0.4724		
Ø 13.0 mm	3932.01300	1/2"	13.0–12.5	0.5118–0.4921		
Ø 13.5 mm	3932.01350	17/32"	13.5–13.0	0.5315–0.5118		
Ø 14.0 mm	3932.01400	–	14.0–13.5	0.5512–0.5315		
Ø 14.5 mm	3932.01450	9/16"	14.5–14.0	0.5709–0.5512		
Ø 15.0 mm	3932.01500	–	15.0–14.5	0.5905–0.5709		
Ø 15.5 mm	3932.01550	19/32"	15.5–15.0	0.6102–0.5906		
Ø 16.0 mm	3932.01600	5/8"	16.0–15.5	0.6299–0.6102		
Ø 16.5 mm	3932.01650	–	16.5–16.0	0.6496–0.6299		
Ø 17.0 mm	3932.01700	21/32"	17.0–16.5	0.6693–0.6496		
Ø 17.5 mm	3932.01750	11/16"	17.5–17.0	0.689–0.6693		
Ø 18.0 mm	3932.01800	–	18.0–17.5	0.7087–0.689		
Ø 18.5 mm	3932.01850	23/32"	18.5–18.0	0.7283–0.7087		
Ø 19.0 mm	3932.01900	3/4"	19.0–18.5	0.748–0.7283		
Ø 19.5 mm	3932.01950	–	19.5–19.0	0.7677–0.748		
Ø 20.0 mm	3932.02000	25/32"	20.0–19.5	0.7874–0.7677		
BLANK DS/ER 32	3932.09999	–	–	–	–	

Included in the DS/ER sets are all marked disks within that ER size and the matching disk try DSR

Sealing disks for ER

DS/ER

Type	Part no.	Tool diameter			Incl. in set	System
		Ø [inch]	[mm]	[decimal inch]		
DS/ER 40						
DS/ER 40 SET (46 pcs.)	3940.00000	–	3.0–26.0	0.1181–1.0236	–	●
Ø 3.0 mm	3940.00300	3/32"	3.0–2.5	0.1181–0.0984	–	●
Ø 3.5 mm	3940.00350	1/8"	3.5–3.0	0.1378–0.1181	●	●
Ø 4.0 mm	3940.00400	5/32"	4.0–3.5	0.1575–0.1378	●	●
Ø 4.5 mm	3940.00450	–	4.5–4.0	0.1772–0.1575	●	
Ø 5.0 mm	3940.00500	3/16"	5.0–4.5	0.1969–0.1772	●	●
Ø 5.5 mm	3940.00550	7/32"	5.5–5.0	0.2165–0.1969	●	●
Ø 6.0 mm	3940.00600	–	6.0–5.5	0.2362–0.2165	●	●
Ø 6.5 mm	3940.00650	1/4"	6.5–6.0	0.2559–0.2362	●	●
Ø 7.0 mm	3940.00700	–	7.0–6.5	0.2756–0.2559	●	●
Ø 7.5 mm	3940.00750	9/32"	7.5–7.0	0.2953–0.2756	●	●
Ø 8.0 mm	3940.00800	5/16"	8.0–7.5	0.315–0.2953	●	●
Ø 8.5 mm	3940.00850	–	8.5–8.0	0.3347–0.315	●	●
Ø 9.0 mm	3940.00900	11/32"	9.0–8.5	0.3543–0.3347	●	●
Ø 9.5 mm	3940.00950	3/8"	9.5–9.0	0.374–0.3543	●	●
Ø 10.0 mm	3940.01000	–	10.0–9.5	0.3937–0.374	●	●
Ø 10.5 mm	3940.01050	13/32"	10.5–10.0	0.4134–0.3937	●	●
Ø 11.0 mm	3940.01100	–	11.0–10.5	0.433–0.4134	●	●
Ø 11.5 mm	3940.01150	7/16"	11.5–11.0	0.4528–0.433	●	●
Ø 12.0 mm	3940.01200	15/32"	12.0–11.5	0.4724–0.4528	●	●
Ø 12.5 mm	3940.01250	–	12.5–12.0	0.4921–0.4724	●	●
Ø 13.0 mm	3940.01300	1/2"	13.0–12.5	0.5118–0.4921	●	●
Ø 13.5 mm	3940.01350	17/32"	13.5–13.0	0.5315–0.5118	●	●
Ø 14.0 mm	3940.01400	–	14.0–13.5	0.5512–0.5315	●	●
Ø 14.5 mm	3940.01450	9/16"	14.5–14.0	0.5709–0.5512	●	●
Ø 15.0 mm	3940.01500	–	15.0–14.5	0.5905–0.5709	●	●
Ø 15.5 mm	3940.01550	19/32"	15.5–15.0	0.6102–0.5905	●	●
Ø 16.0 mm	3940.01600	5/8"	16.0–15.5	0.6299–0.6102	●	●
Ø 16.5 mm	3940.01650	–	16.5–16.0	0.6496–0.6299	●	●
Ø 17.0 mm	3940.01700	21/32"	17.0–16.5	0.6693–0.6496	●	●
Ø 17.5 mm	3940.01750	11/16"	17.5–17.0	0.689–0.6693	●	●
Ø 18.0 mm	3940.01800	–	18.0–17.5	0.7087–0.689	●	●
Ø 18.5 mm	3940.01850	23/32"	18.5–18.0	0.7283–0.7087	●	●
Ø 19.0 mm	3940.01900	3/4"	19.0–18.5	0.748–0.7283	●	●
Ø 19.5 mm	3940.01950	–	19.5–19.0	0.7677–0.748	●	●
Ø 20.0 mm	3940.02000	23/32"	20.0–19.5	0.7874–0.7677	●	●
Ø 20.5 mm	3940.02050	–	20.5–20.0	0.8071–0.7874	●	●
Ø 21.0 mm	3940.02100	13/16"	21.0–20.5	0.8268–0.8071	●	●
Ø 21.5 mm	3940.02150	25/32"	21.5–21.0	0.8465–0.8268	●	



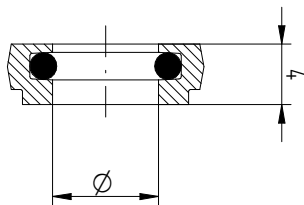
Type	Part no.	Tool diameter			Incl. in set	System
		Ø [inch]	[mm]	[decimal inch]		
Ø 22.0 mm	3940.02200	–	22.0–21.5	0.8661–0.8465	•	•
Ø 22.5 mm	3940.02250	7/8"	22.5–22.0	0.8858–0.8268	•	•
Ø 23.0 mm	3940.02300	29/32"	23.0–22.5	0.9055–0.8858	•	•
Ø 23.5 mm	3940.02350	–	23.5–23.0	0.9252–0.9055	•	•
Ø 24.0 mm	3940.02400	15/16"	24.0–23.5	0.9449–0.9252	•	•
Ø 24.5 mm	3940.02450	–	24.5–24.0	0.9646–0.9449	•	•
Ø 25.0 mm	3940.02500	31/32"	25.0–24.5	0.9843–0.9646	•	•
Ø 25.5 mm	3940.02550	1"	25.5–25.0	1.0039–0.9843	•	•
Ø 26.0 mm	3940.02600	–	26.0–25.5	1.0236–1.0039	•	•
BLANK DS/ER 40	3940.09999	–	–	–	–	•

Included in the DS/ER sets are all marked disks within that ER size and the matching disk try DSR

DS/ER 50

ADP ER 50–DS/ER 40*	3950.40000	–	3.0–26.0	0.1181–1.0236	–	•
Ø 22.0 mm	3950.02200	–	22.0–21.5	0.8661–0.8465	–	•
Ø 25.0 mm	3950.02500	–	25.0–24.5	0.9842–0.9645	–	•
Ø 28.0 mm	3950.02800	–	28.0–27.5	1.1023–1.0827	–	•
Ø 32.0 mm	3950.03200	–	32.0–31.5	1.2598–1.2402	–	•
Ø 36.0 mm	3950.03600	–	36.0–35.5	1.4173–1.3976	–	•

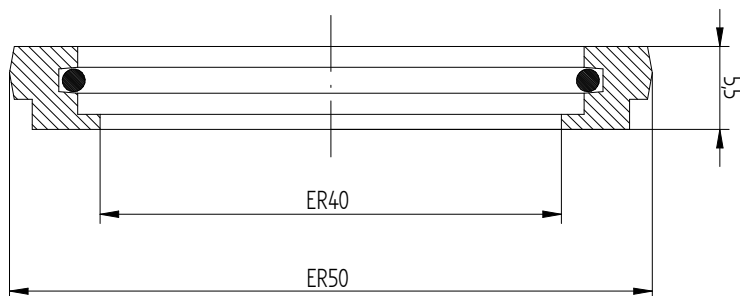
*The ADP ER 50-DS/ER 40 only works in combination with a sealing disk DS/ER 40. DS/ER 40 is not included in delivery



DS/ER

Expert advice

The BLANK DS/ER is used as machining blank for specific sizes or as sealing disk for double-sided driven tools.



ADP ER 50–DS/ER 40

Expert advice

The adapter ADP ER 50–DS/ER 40 allows the use of DS/ER-40 sealing disks in ER-50 clamping nuts.



Our solution for peripheral cooling

The design of our coolant flush disks leads the coolant along the edge of the cutting tool, providing you with an easy way to achieve peripheral cooling.

Key advantages

Swiss quality product

Universal use

For all REGO-FIX collets and coolant nuts with interchangeable disk.

Interchangeable

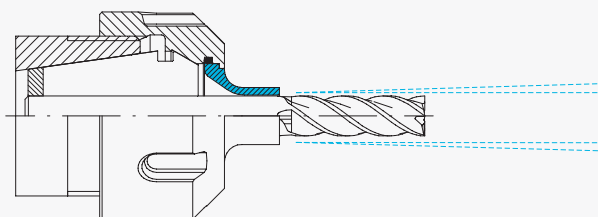
Quick change of coolant flush disks according to required tool shank diameter.

Peripheral cooling

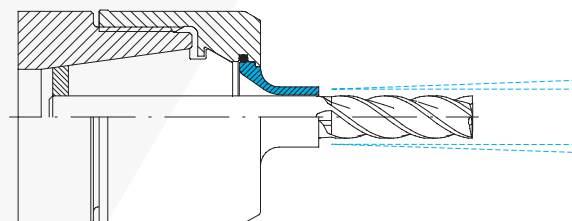
For better cooling and lubrication.
Extends tool life and supports chip removal.

Original REGO-FIX

Our long-lasting machining experience results in a well-engineered system. When buying ER coolant flush disks please pay attention to the REGO-FIX quality seal on the coolant flush disk: The triangle is our seal for outstanding quality made in Switzerland.



KS/ER

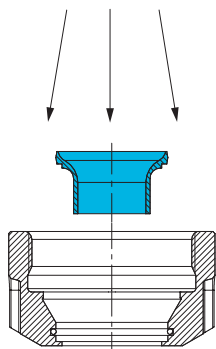


KS/MR

Coolant flush disks for ER/MR

KS/ER

KS/MR

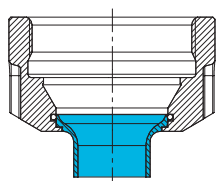


Assembling

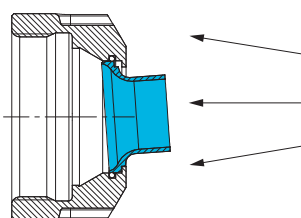
Assembling Insert the small diameter of the disk into the center of the coolant nut. Apply an even pressure until the disk is properly seated into the nut.

The disk must be flush with the outside of the nut and the marking on the disk must be visible inside of the nut.

Removing To remove the disk, simply press on the outside of the disk evenly until it snaps out.



Inserted KS/ER



Removing



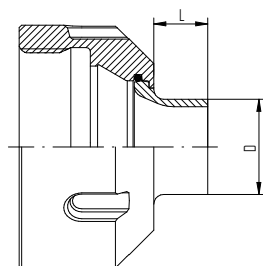
Coolant flush disks for ER/MR

KS/ER

DS/MR

Type	Part no.	Dimensions [mm]		Ø		System
		D	L	[mm]	[inch]	
KS/ER 11 [mm]/[inch]						
Ø 3.0 mm / 1/8"	3911.30318	5.6	5.5	3	1/8"	●
Ø 4.0 mm	3911.20400	6.4	5.5	4	–	●
Ø 5.0 mm / 3/16"	3911.20500	7.5	5.5	5	3/16"	●
Ø 6.0 mm / 1/4"	3911.30635	7.5	5.5	6	1/4"	●
BLANK KS/ER 11 Ø 7.5 x 8	3911.29999	7.5	8	–	–	●
KS/ER 16 [mm]						
Ø 3.0 mm	3916.20300	6.4	11	3	–	●●
Ø 4.0 mm	3916.20400	7.4	11	4	–	●●
Ø 5.0 mm	3916.20500	8.4	11	5	–	●●
Ø 6.0 mm	3916.20600	9.4	11	6	–	●●
Ø 7.0 mm	3916.20700	11	11	7	–	●●
Ø 8.0 mm	3916.20800	11	11	8	–	●●
Ø 9.0 mm	3916.20900	11	2	9	–	●●
Ø 10.0 mm	3916.21000	11	2	10	–	●●
BLANK KS/ER 16 Ø 11 x 12*	3916.29999	11	12	–	–	●●
KS/ER 16 [inch]						
Ø 1/8"	3916.30318	6.6	11	3.175	1/8"	●●
Ø 3/16"	3916.30476	8.2	11	4.763	3/16"	●●
Ø 1/4"	3916.30635	9.7	11	6.35	1/4"	●●
Ø 5/16"	3916.30794	11	11	7.938	5/16"	●●
Ø 3/8"	3916.30953	11	2	9.525	3/8"	●●
KS/ER 20 [mm]						
Ø 3.0 mm	3920.20300	6.4	11	3	–	●
Ø 4.0 mm	3920.20400	7.4	11	4	–	●
Ø 5.0 mm	3920.20500	8.4	11	5	–	●
Ø 6.0 mm	3920.20600	9.4	11	6	–	●
Ø 7.0 mm	3920.20700	10.4	11	7	–	●
Ø 8.0 mm	3920.20800	11.4	11	8	–	●
Ø 9.0 mm	3920.20900	12.4	11	9	–	●
Ø 10.0 mm	3920.21000	14	11	10	–	●
Ø 12.0 mm	3920.21200	14	3	12	–	●
BLANK KS/ER 20 Ø 14 x 12*	3920.29999	14	12	–	–	●

*Work material: 42CrMoS4 (1.7227)



KS/ER

Coolant flush disks for ER/MR

KS/ER

DS/MR

Type	Part no.	Dimensions [mm]		Ø		System
		D	L	[mm]	[inch]	
KS / ER 20 [inch]						
Ø 1/8"	3920.30318	6.6	11	3.175	1/8"	●
Ø 3/16"	3920.30476	8.2	11	4.763	3/16"	●
Ø 1/4"	3920.30635	9.7	11	6.35	1/4"	●
Ø 5/16"	3920.30794	11.3	11	7.983	5/16"	●
Ø 3/8"	3920.30953	14	11	9.525	3/8"	●
Ø 7/16"	3920.31111	14	11	11.113	7/16"	●
Ø 1/2"	3920.31270	14	3	12.7	1/2"	●

KS/ER 25 [mm]						
Ø 3.0 mm	3925.20300	6.4	11	3	–	• •
Ø 4.0 mm	3925.20400	7.4	11	4	–	• •
Ø 5.0 mm	3925.20500	8.4	11	5	–	• •
Ø 6.0 mm	3925.20600	9.4	11	6	–	• •
Ø 7.0 mm	3925.20700	10.4	11	7	–	• •
Ø 8.0 mm	3925.20800	11.4	11	8	–	• •
Ø 9.0 mm	3925.20900	12.4	11	9	–	• •
Ø 10.0 mm	3925.21000	13.4	11	10	–	• •
Ø 12.0 mm	3925.21200	15.4	11	12	–	• •
Ø 14.0 mm	3925.21400	17.4	11	14	–	• •
Ø 16.0 mm	3925.21600	19	11	16	–	• •
BLANK KS/ER 25 Ø 19 x 12*	3925.29999	19	12	–	–	• •

KS/ER 25 [inch]						
Ø 1/8"	3925.30318	6.6	11	3.175	1/8"	• •
Ø 3/16"	3925.30476	8.2	11	4.763	3/16"	• •
Ø 1/4"	3925.30635	9.7	11	6.35	1/4"	• •
Ø 5/16"	3925.30794	11.3	11	7.938	5/16"	• •
Ø 3/8"	3925.30953	12.9	11	9.525	3/8"	• •
Ø 7/16"	3925.31111	14.5	11	11.113	7/16"	• •
Ø 1/2"	3925.31270	16.1	11	12.7	1/2"	• •
Ø 9/16"	3925.31429	17.7	11	14.288	9/16"	• •
Ø 5/8"	3925.31588	19	11	15.875	5/8"	• •

*Work material: 42CrMoS4 (1.7227)



Coolant flush disks for ER/MR

KS/ER

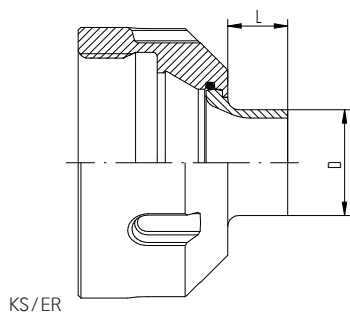
KS/MR

Type	Part no.	Dimensions [mm]		Ø		System
		D	L	[mm]	[inch]	
KS/ER 32 [mm]						
Ø 3.0 mm	3932.20300	6.4	11	3	–	 
Ø 4.0 mm	3932.20400	7.4	11	4	–	 
Ø 5.0 mm	3932.20500	8.4	11	5	–	 
Ø 6.0 mm	3932.20600	9.4	11	6	–	 
Ø 7.0 mm	3932.20700	10.4	11	7	–	 
Ø 8.0 mm	3932.20800	11.4	11	8	–	 
Ø 9.0 mm	3932.20900	12.4	11	9	–	 
Ø 10.0 mm	3932.21000	13.4	11	10	–	 
Ø 12.0 mm	3932.21200	15.4	11	12	–	 
Ø 14.0 mm	3932.21400	17.4	11	14	–	 
Ø 16.0 mm	3932.21600	19.4	11	16	–	 
Ø 18.0 mm	3932.21800	21.4	11	18	–	 
Ø 20.0 mm	3932.22000	24	11	20	–	 
BLANK KS/ER 32 Ø 24 x 12*	3932.29999	24	12	–	–	 

KS/ER 32 [inch]						
Ø 1/8"	3932.30318	6.6	11	3.175	1/8"	••
Ø 3/16"	3932.30476	8.2	11	4.763	3/16"	••
Ø 1/4"	3932.30635	9.7	11	6.35	1/4"	••
Ø 5/16"	3932.30794	11.3	11	7.938	5/16"	••
Ø 3/8"	3932.30953	12.9	11	9.525	3/8"	••
Ø 7/16"	3932.31111	14.5	11	11.113	7/16"	••
Ø 1/2"	3932.31270	16.1	11	12.7	1/2"	••
Ø 9/16"	3932.31429	17.7	11	14.288	9/16"	••
Ø 5/8"	3932.31588	19.3	11	15.875	5/8"	••
Ø 3/4"	3932.31905	24	11	19.05	3/4"	••

*Work material: 42CrMoS4 (1.7227).

KS/ER 40						
ADP ER 40 KS/ER 32	3940.32000	–	–	3-20	1/8" - 3/4"	•



Wrenches

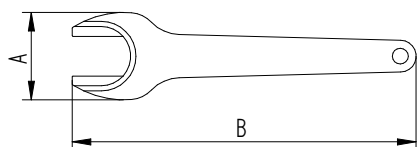
E MS

E AX

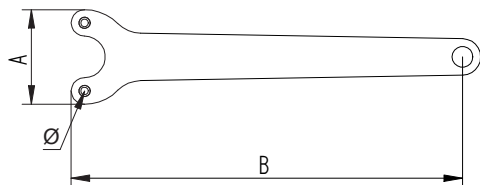
E A

Type	Part no.	A [mm]	B [mm]	Suited wrench for Hi-Q®			System
				ER MS	ERAX	ERAXC	
E MS							
E 8 MS	7114.08000	19	76	•	–	–	•
E 11 MS	7114.11000	22	100	•	–	–	•
E 16 MS	7114.16000	33	130	•	–	–	•
E 20 MS	7114.20000	42	140	•	–	–	•
E AX							
E 11 AX	7117.11000	16	108	–	•	–	•
E 16 AX	7117.16000	22	131	–	•	•	•
E 20 AX	7117.20000	26	148	–	•	•	•
E 25 AX	7117.25000	30	165	–	•	•	•
E 32 AX	7117.32000	37	196	–	•	•	•
E 40 AX	7117.40000	47	220	–	•	•	•
							Ø [mm]
E A							
E 11 A	7115.11000	18.6	96	–	–	–	3
E 16 A	7115.16000	25	108	–	–	–	3
E 20 A	7115.20000	28	123	–	–	–	3
E 25 A	7115.25000	30.5	139	–	–	–	4
E 32 A	7115.32000	42	182	–	–	–	4

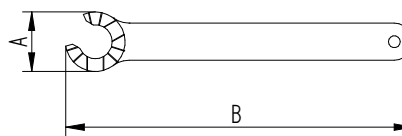
Ø [mm]



E MS



E A



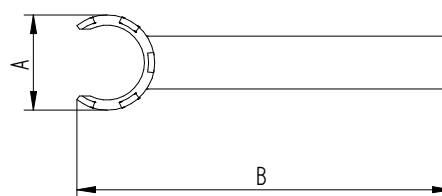
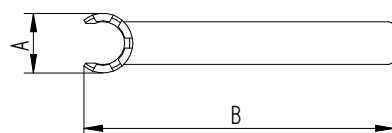
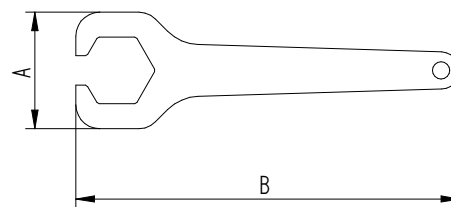
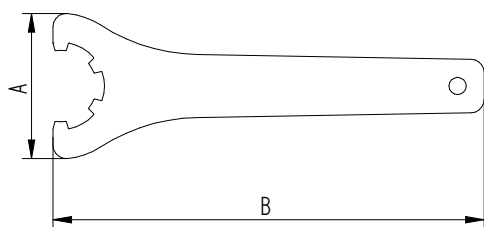
E AX



Wrenches

E
E P
E M
E MX

Suited wrench for Hi-Q®												
Type	Part no.	A [mm]	B [mm]	SW [mm]	ER	ERC	ERB	ERBC	ERMC	ERMX	ERMXC	System
E												
E 16	7111.16000	55	163		—	—	—	—	—	—	—	●
E 20	7111.20000	60	183		—	—	—	—	—	—	—	●
E 25	7111.25000	70	203		●	●	●	●	—	—	—	●
E 32	7111.32000	80	253		●	●	●	●	—	—	—	●
E 40	7111.40000	96	283		●	●	●	●	—	—	—	●
E 50	7111.50000	111	350		●	—	●	—	—	—	—	●
E P												
E 11 P	7112.11010	32	95	19	●	●	—	—	—	—	—	●
E 16 P	7112.16010	44	145	28	●	●	●	●	—	—	—	●
E 20 P	7112.20010	52	170	34	●	●	●	●	—	—	—	●
E M												
E 8 M	7113.08000	12	74		—	—	—	—	—	—	—	●
E 11 M	7113.11000	17	95		—	—	—	—	●	—	—	●
E 16 M	7113.16000	22	117		—	—	—	—	●	—	—	●
E 20 M	7113.20000	29	129		—	—	—	—	●	—	—	●
E 25 M	7113.25000	36	141		—	—	—	—	●	—	—	●
E MX												
E 8 MX	7118.08000	12	74		—	—	—	—	—	●	—	●
E 11 MX	7118.11000	17	95		—	—	—	—	—	●	●	●
E 16 MX	7118.16000	22.5	117		—	—	—	—	—	●	●	●
E 20 MX	7118.20000	29	129		—	—	—	—	—	●	●	●
E 25 MX	7118.25000	36	141		—	—	—	—	—	●	●	●



Wrench heads

A-E

A-E P

A-E M

A-E MX

A-E MS

A-E AX

Type	Part no.	A [mm]	B [mm]	SW [mm]	
A-E					
A-E 16	7151.16000	55	62		•
A-E 20	7151.20000	60	62		•
A-E 25	7151.25000	70	72		•
A-E 32	7151.32000	80	72		•
A-E 40	7151.40000	96	82		•
A-E 50	7151.50000	111	94		•

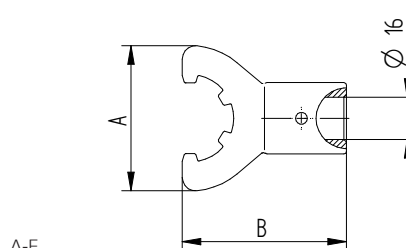
A-E P					
A-E 11 P	7152.11010	32	57	19	•
A-E 16 P	7152.16010	44	70	28	•
A-E 20 P	7152.20010	52	80	34	•

A-E M					
A-E 8 M	7153.08000	12	53		•
A-E 11 M	7153.11000	17	54		•
A-E 16 M	7153.16000	22	56		•
A-E 20 M	7153.20000	29	68		•
A-E 25 M	7153.25000	36	70		•

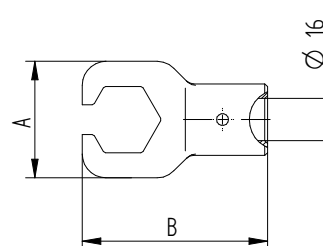
A-E MX					
A-E 8 MX	7158.08000	12	53		•
A-E 11 MX	7158.11000	17	54		•
A-E 16 MX	7158.16000	22	56		•
A-E 20 MX	7158.20000	29	68		•
A-E 25 MX	7158.25000	36	70		•

A-E MS					
A-E 8 MS	7154.08000	19	51		•
A-E 11 MS	7154.11000	22	57		•
A-E 16 MS	7154.16000	33	60		•
A-E 20 MS	7154.20000	42	73		•

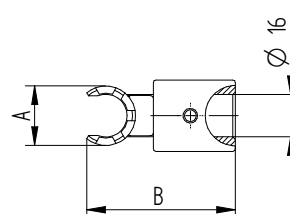
A-E AX					
A-E 11 AX	7157.11000	16	62		•
A-E 16 AX	7157.16000	22	63		•
A-E 20 AX	7157.20000	26	64		•
A-E 25 AX	7157.25000	29	93		•
A-E 32 AX	7157.32000	37	95		•
A-E 40 AX	7157.40000	47	99		•



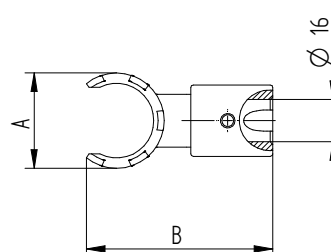
A-E



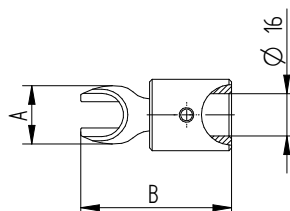
A-E P



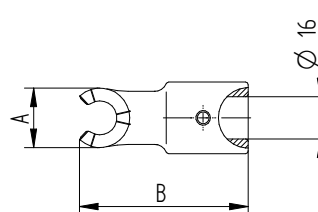
A-E M



A-E MX



A-E MS



A-E AX



Torque wrenches TORCO-FIX

Freewheel wrench heads A-FLS

Grip bar for wrench heads G-A

TORCO-FIX

A-FLS

G-A

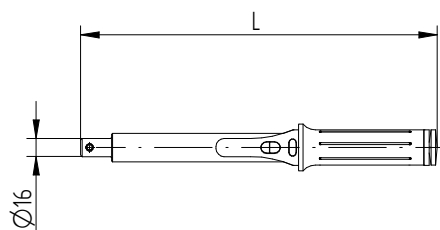
Type	Part no.	L1 [mm]	Range [Nm]	Range [ft-lbs]	System
TORCO-FIX					
TORCO-FIX 0	7150.02025	290	5–25	3.5–18	●●●
TORCO-FIX I	7150.05050	335	10–50	7.5–36.5	●●●
TORCO-FIX II	7150.20200	465	40–200	26.5–147	●●●●
TORCO-FIX III	7150.60300	565	60–300	44.5–221	●●●●

Type	Part no.	D [mm]	D1 [mm]	System
Freewheel wrench heads A-FLS				
A-FLS Ø 16/MR 11	7855.11000	16	34	●
A-FLS Ø 24/MRM 16	7855.16800	24	47	●
A-FLS Ø 28/MR 16/SG 15	7855.16000	28	47	●●
A-FLS Ø 40/MR 25	7855.25000	40	61	●
A-FLS Ø 46/SG 25	7655.25000	46	68	●
A-FLS Ø 50/MR 32	7855.32000	50	77	●
A-FLS Ø 55/SG 32	7655.32000	55	77	●

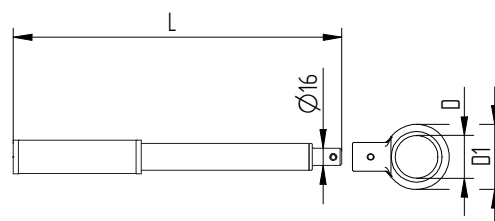
Type	Part no.	L1 [mm]	System
Grip bar for wrench heads G-A			
G-A	7655.99900	308	●●●
G-AS	7655.99500	120	●

Expert advice

Grip bar short G-AS is specially designed to be used with:
A-FLS Ø 16/MR 11
A-FLS Ø 24/MRM 16
A-FLS Ø 28/MR 16



TORCO-FIX



G-A/G-AS with A-FLS

Slip-off proof extension V-E AX for E AX and A-E AX

Slip-off proof extension V-E MX for E MX and A-E MX

Wrenches for universal shell / face mill holders FDS

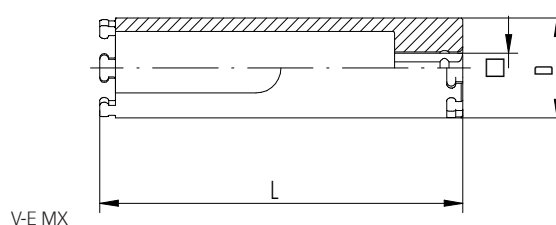
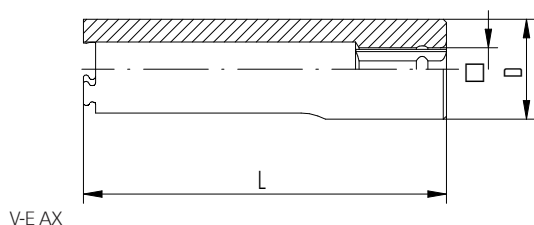
V-E AX

V-E MX

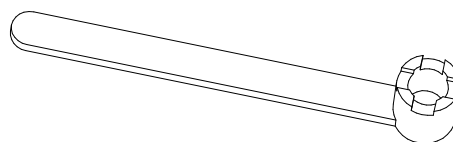
FDS

Type	Part no.	D [mm]	L [mm]	Square ☐		System
				[mm]	[inch]	
V-E AX						
V-E 11 AX	7155.11000	16.5	60	6.35	1/4"	
V-E 16 AX	7155.16000	22.5	80	6.35	1/4"	
V-E 20 AX	7155.20000	26	95	9.525	3/8"	
V-E 25 AX	7155.25000	29.5	105	12.7	1/2"	
V-E 32 AX	7155.32000	37.5	115	12.7	1/2"	

Type	Part no.	D [mm]	L [mm]	Square 		System
				[mm]	[inch]	
V-E MX						
V-E 8 MX	7159.08000	17	60	6.35	1/4"	
V-E 11 MX	7159.11000	17	60	6.35	1/4"	
V-E 16 MX	7159.16000	22.5	80	6.35	1/4"	
V-E 20 MX	7159.20000	29	95	12.7	1/2"	
V-E 25 MX	7159.25000	35	105	19.05	3/4"	



Type	Part no.	System
Wrenches FDS		
FDS 16	7711.16000	•
FDS 22	7711.22000	•
FDS 27	7711.27000	•
FDS 32	7711.32000	•
FDS 40	7711.40000	•
FDS 50	7711.50000	•



Toolholding fixtures

WMH
WA / SK
WA / HSK
WA / C

Type	Part no.	Fits this interface
Tool assembly WMH		
WMH-AC 45°	7813.00000	—
WMH-AC 90°	7813.00100	—

Tool adapter WA / SK		
WA / SK 30	7814.30100	BT / CAT / SK 30
WA / SK 40	7814.40100	BT / CAT / SK 40
WA / SK 50	7814.50100	BT / CAT / SK 50

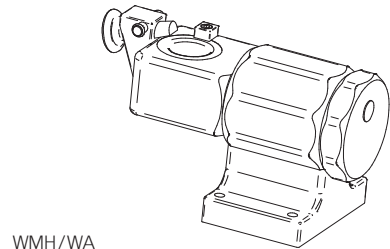
Tool adapter WA / HSK-A / C / E		
WA / HSK-A / C / E 25	7814.25300	HSK-A / C / E 25

Tool adapter WA / HSK-A		
WA / HSK-A 32	7814.32200	HSK-A 32
WA / HSK-A 40	7814.40200	HSK-A 40
WA / HSK-A 50	7814.50200	HSK-A 50
WA / HSK-A 63	7814.63200	HSK-A 63
WA / HSK-A 80	7814.80200	HSK-A 80
WA / HSK-A 100	7814.00200	HSK-A 100

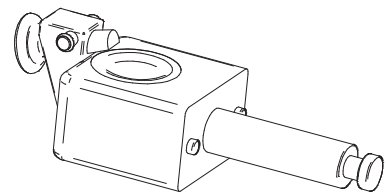
Tool adapter WA / HSK-C / E		
WA / HSK-C / E 32	7814.32500	HSK-C / E 32
WA / HSK-C / E 40	7814.40500	HSK-C / E 40
WA / HSK-C / E 50	7814.50500	HSK-C / E 50
WA / HSK-C / E 63	7814.63500	HSK-C / E 63

Tool adapter WA / HSK-B / D / F		
WA / HSK-B / D / F 63	7814.63400	HSK-B / D / F 63

Tool adapter WA / C		
WA / C3	7814.03700	CAPTO C3
WA / C4	7814.04700	CAPTO C4
WA / C5	7814.05700	CAPTO C5
WA / C6	7814.06700	CAPTO C6
WA / C8	7814.08700	CAPTO C8



WMH/WA



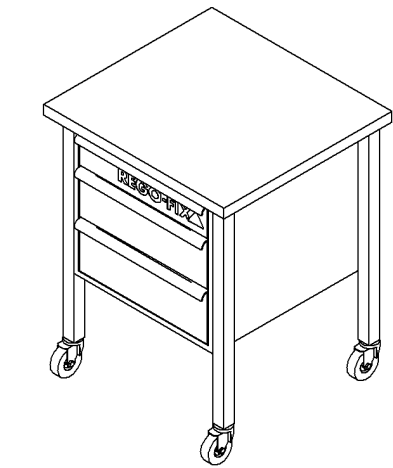
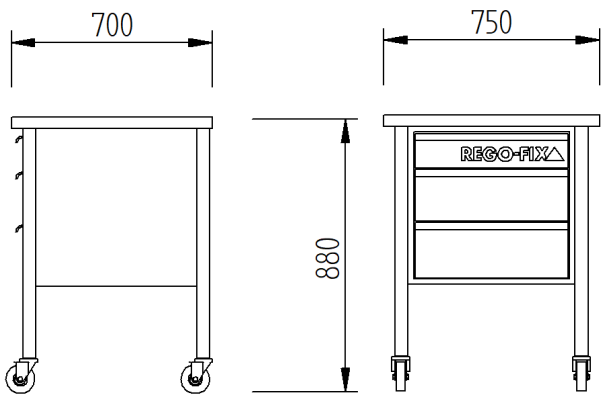
WA

Mobile workbench for PGU 9500

Description Mobile workbench for PGU 9500 with drawer-insert for APG and taper cleaner.

Type	Part no.	Width	Height	Depth
Mobile workbench for PGU 9500				
MWB	7688.00000	750 mm	880 mm	700 mm

Back panel on request



MWB

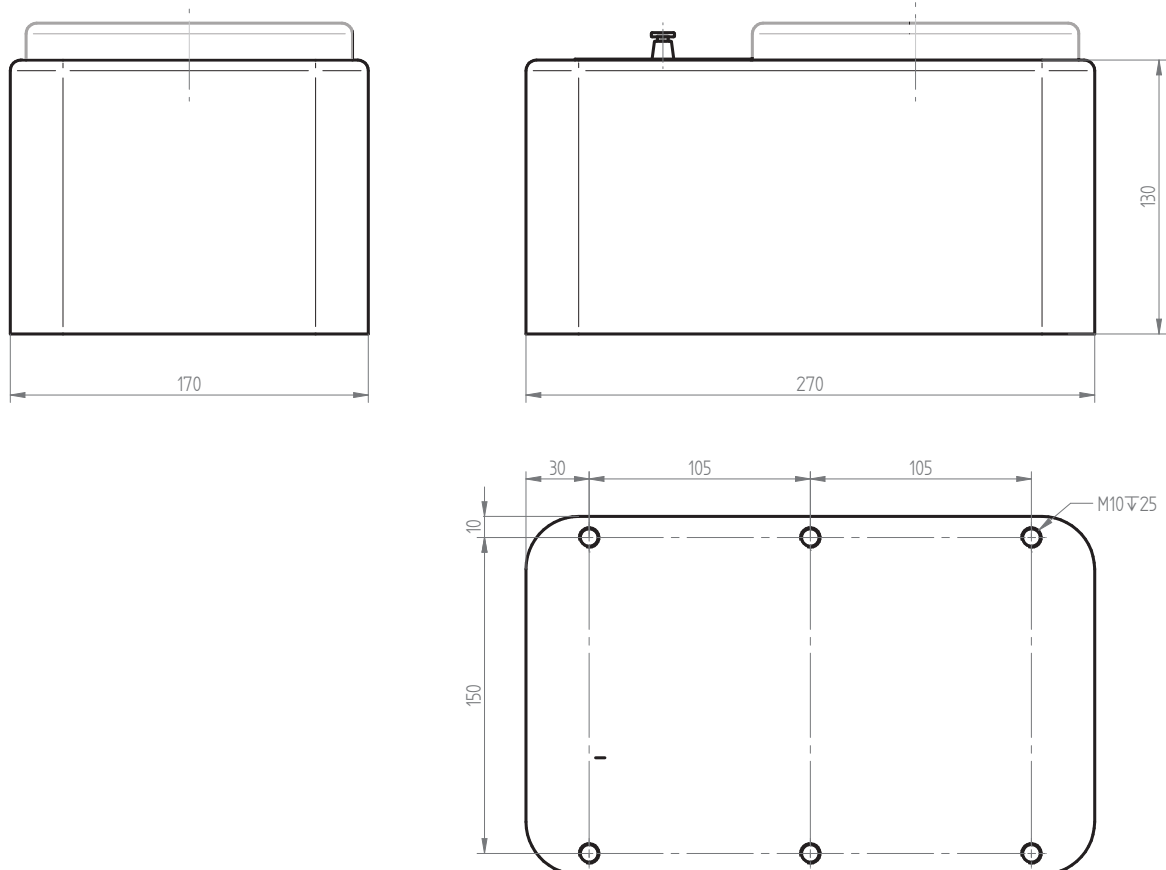


Achieve perfect torque with any wrench

TORCO-BLOCK The only tool assembly device in the market that is comfortable and safe to use with integrated torque measuring. Usability is given for all collet based systems and available for all standard machine interfaces.

TORCO-BLOCK provides

- // Use any wrench and still be able to correctly measure tightening torque
 - // Minimal effort for toolclamping needed
 - // Toolholder will not be overtorqued
 - // Correct tightening torque guaranteed, no bad runout due to overtorquing
 - // Quick-change function for different taper interfaces with only one 4 mm Allen-key within seconds
 - // Safe assembling of cutting tools
 - // Easy and quick toolholder and adapter handling
 - // Required footprint 170 x 270 mm
 - // Correct installation of pull studs with standard wrenches
 - // Full or overhang mounting on a workbench possible
 - // TORCO-BLOCK supplied inclusive 10 indicator rings TB / IR
- Unit needs a stable workbench to be attached to with at least four M10 screws.*



TORCO-BLOCK and components

Type	Part no.
Tool assembly with torque measurement	
TORCO-BLOCK	7815.00000
<i>Included in delivery: TORCO-BLOCK and 10 indicator ring set (no tool adapters)</i>	

Indicator ring set/ 10 rings	
SET TB/IR	7816.99999

Tool adapter for CAT spindle interfaces	
TB/BT 30 & CAT 30	7816.30100
TB/SK 40 & CAT 40	7816.40200
TB/CAT 50	7816.50300

Tool adapter for SK spindle interface	
TB/SK 30	7816.30200
TB/SK 40 & CAT 40	7816.40200
TB/SK 50	7816.50200

Tool adapter for BT spindle interface	
TB/BT 30 & CAT 30	7816.30100
TB/HSK 63 & C6 & BT 40	7816.63500
TB/HSK 100 & BT 50	7816.00500

Type	Part no.
Tool adapter for HSK & REGO-FIX CAPTO	
TB/HSK 25	7816.25500
TB/HSK 32 & C3	7816.32500
TB/HSK 40 & C4	7816.40500
TB/HSK 50 & C5	7816.50500
TB/HSK 63 & C6 & BT 40	7816.63500
TB/HSK 100 & BT 50	7816.00500

REGO-FIX CAPTO – licensed by Sandvik Coromant



Taper cleaner

The REGO-FIX Taper cleaning device is designed to clean toolholder interfaces from oil, emulsion and other impurities with interchangeable brush head canopies mounted on a base motor.

- // Maintain runout accuracy of cutting tool
- // Protect machine spindle
- // Maintain lasting precision of interface



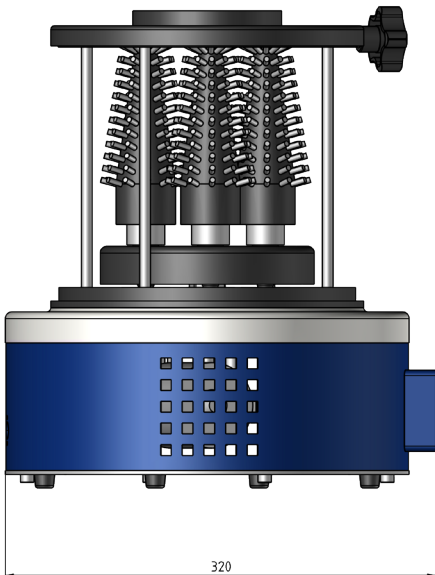
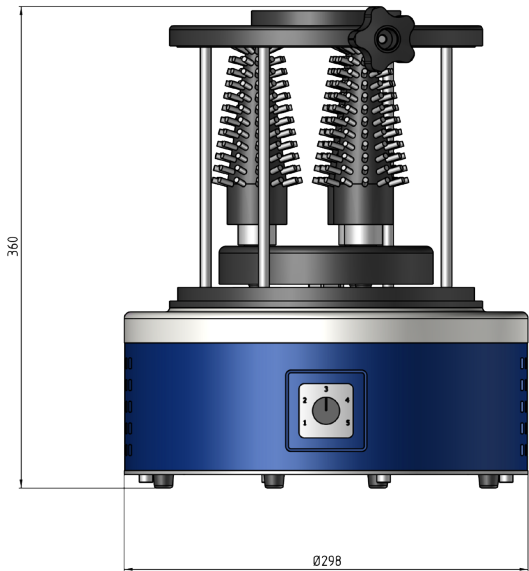
Cleaning Adapter



Base Unit

Type	Part no.
Taper Cleaning Device (Base Unit)	
TCD-BU	7821.00000
Cleaning Adapter (Brush Head)	
TCD / SK 30	7822.30100
TCD / SK 40	7822.40100
TCD / SK 50	7822.50100
TCD / HSK-A/C/E 40	7822.40300
TCD / HSK-A/C/E 63	7822.63300
TCD / HSK-A/C/E 100	7822.00300

Other cleaning adapters available on request



Coolant tubes KSR

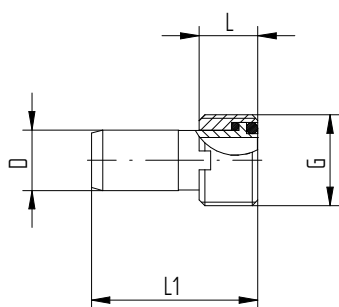
KSR

SKR

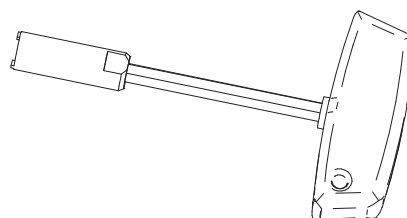
Wrenches for coolant tubes SKR

Type	Part no.	Dimensions [mm]			G	System
		D	L	L1		
Coolant tubes KSR						
KSR 25	7211.25000	5	4.5	17	M 8 x 1	
KSR 32	7211.32000	6	5.5	25.7	M 10 x 1	
KSR 40	7211.40000	8	7.5	29.2	M 12 x 1	
KSR 50	7211.50000	10	9.5	32.7	M 16 x 1	
KSR 63	7211.63000	12	11.5	36.2	M 18 x 1	
KSR 80	7211.80000	14	13.5	39.7	M 20 x 1.5	
KSR 100	7211.00000	16	15.5	43.6	M 24 x 1.5	
KSR 125	7211.12500	16	15.5	43.6	M 24 x 1.5	

Type	Part no.	System
Wrenches SKR		
SKR 25	7212.25000	● ● ● ●
SKR 32	7212.32000	● ● ● ●
SKR 40	7212.40000	● ● ● ●
SKR 50	7212.50000	● ● ● ●
SKR 63	7212.63000	● ● ● ●
SKR 80	7212.80000	● ● ● ●
SKR 100	7212.00000	● ● ● ●
SKR 125	7212.12500	● ● ● ●



KSR



SKR

Trays for ER collet sets ZWT

Trays for ER collet sets ZZT [inch]

Trays for sealing disk sets DSR

Trays for PG collets CTPG

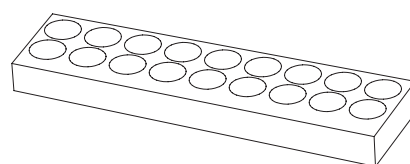
ZWT

ZZT

DSR

CTPG

Type	Part no.	fits ... items	System
Trays for ER collet sets ZWT			
ZWT 8	7121.08000	9	●
ZWT 11	7121.11000	13	● ●
ZWT 16	7121.16000	10	● ●
ZWT 20	7121.20000	12	●
ZWT 25	7121.25000	15	● ●
ZWT 32	7121.32000	18	● ●
ZWT 40	7121.40000	23	●
ZWT 50	7121.50000	12	●

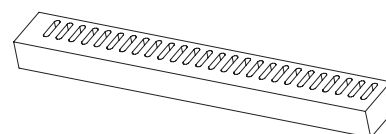


ZWT / ZZT

Trays for ER collet sets ZZT*			
ZZT 8	7121.08300	9	●
ZZT 11	7121.11300	13	● ●
ZZT 16	7121.16300	10	● ●
ZZT 20	7121.20300	12	●
ZZT 25	7121.25300	15	● ●
ZZT 32	7121.32300	18	● ●
ZZT 40	7121.40300	23	●

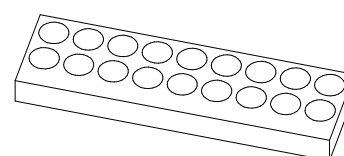
*USA only

Trays for sealing disk sets DSR			
DSR 16	7122.16000	14	● ●
DSR 20	7122.20000	20	●
DSR 25	7122.25000	26	● ●
DSR 32	7122.32000	34	● ●
DSR 40	7122.40000	46	●



DSR

Trays for PG collets CTPG			
CTPG 6	7698.06000	20	●
CTPG 10	7698.10000	14	●
CTPG 15	7698.15000	15	●
CTPG 25	7698.25000	16	●
CTPG 32	7698.32000	12	●



CTPG