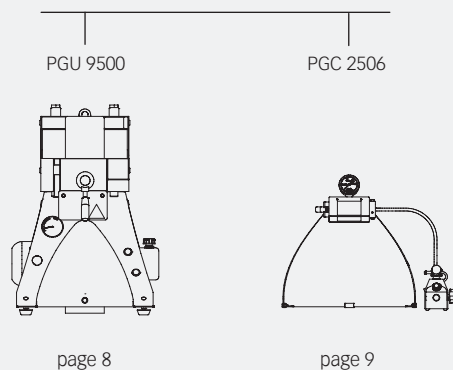


Experience the extensive powRgrip® offering

Clamping units



page 8

page 9

Standard

HSK/
PG



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SK/
PG



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BT/
PG



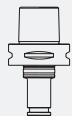
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CAT/
PG



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CAPTO/
PG



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ISO 20/
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Cylindrical colletholders

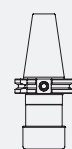
CYL/
PG



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Pullout protection secuRgrip®

PG-SG



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Colletholders for tapping

HSK-A
SSY



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CYL SSY
CYL GSF



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Micro machining

PG-MB



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Standard

PG



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Cooling

PG-CF



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Long shanks

PG-L



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Short shanks

PG-S



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Turning collets

PG-T



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Pullout protection secuRgrip®

PG-SG



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Collets for tapping

PG-TAP



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Concentricity and optimum vibration dampening saves time and money

Ambitious toolholding Thanks to the unique clamping method of PGU, the clamped tools can be used in production quickly and safely. The advanced technology not only increases the work safety for the user, but also reflects our ecological thinking, which manifests itself – among other things – through low energy consumption during the clamping process. The clamping unit clamps the powRgrip® collet into the toolholder with a force of up to 90 kN.

The pressure fit provided between the collet and toolholder creates a radial force, which is concentrated on the tool shank via the slotted collet and holds the tool safely and with a high degree of concentricity.

The powRgrip® System consists of

- // High-precision powRgrip® collet
- // powRgrip® toolholder
- // powRgrip® clamping unit (automatic or manual)

How the powRgrip® System works

- // Insert the cutting tool into the powRgrip® collet
- // Insert the powRgrip® collet into the powRgrip® toolholder
- // Clamp collet and cutting tool into the powRgrip® toolholder with a powRgrip® clamping unit PGU (automatic) or PGC (manual)



Cutting tool



powRgrip® collet



powRgrip® toolholder



Automatic clamping unit PGU



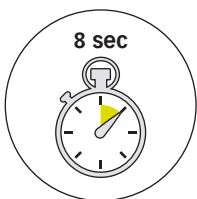
Manual clamping unit PGC

Toolholding made fast, safe and easy

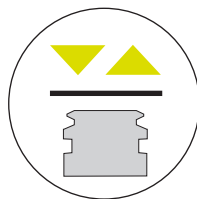
The clamping unit PGU 9500 has been awarded the Red Dot design award for industrial design, highlighting the good usability and outstanding design of the machine.



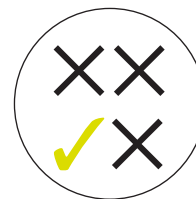
Key advantages



Clamp the tool safely and securely by pushing just one button. The clamping will take 8 seconds, without the use of heat.



Clamp tools with maximum clamping force and best runout in the powRgrip® collet and toolholder.



Smart System – no setting of parameters required. Clamping pressure is controlled by the insertion of the respective clamping insert (APG). There are five clamping inserts (APG) available for the clamping of different collet sizes.

Automatic clamping unit PGU 9500

Clamping inserts APG's for PGU 9500

PGU 9500

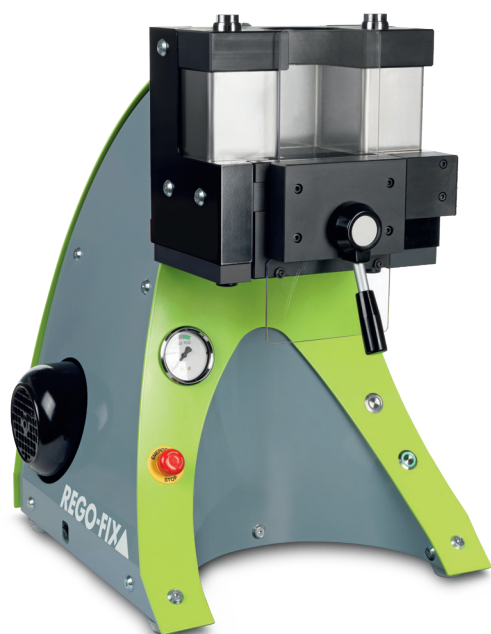
APG

Type	Part no.	Dimensions W x D x H [mm]	Weight [kg]	V / Hz
PGU 9500				
PGU 9500 E	7610.95000	555 x 454 x 648	87	Europe 230V / 50Hz
PGU 9500 A	7610.95100	555 x 454 x 648	91	USA 115V / 60Hz
PGU 9500 J	7610.95200	555 x 454 x 648	91	Japan 100V / 50-60Hz

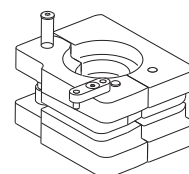
Clamping inserts APG not included

Type	Part no.	Dimensions W x D x H [mm]	Weight [kg]	Use for
Clamping inserts APG (incl. TKCP and CPS)				
APG 906*	7611.06900	100 x 95 x 80	3	PG 6
APG 910	7611.10900	100 x 95 x 80	3	PG 10
APG 915	7611.15900	100 x 95 x 80	3	PG 15
APG 925	7611.25900	100 x 95 x 80	3	PG 25
APG 932	7611.32900	100 x 95 x 80	3	PG 32

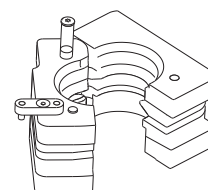
*APG 906 is only suited for PGU 9006 and 9500. All other APG's can be used for PGU 9000/9006/9500



PGU 9500



APG (closed)



APG (opened)

Manual clamping unit PGC 2506

Clamping inserts APC's for PGC 2506

PGC

APC

Type	Part no.	Dimensions W x D x H [mm]	Weight [kg]
PGC			
SET PGC 2506	7621.25069	578 x 420 x 43	18.2

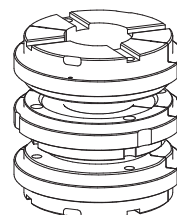
Includes clamping unit, hand pump and stand. APC not included

Type	Part no.	Dimensions Ø [mm]	Weight [kg]	Use for
Clamping inserts APC (incl. TKCP and CPS)				
APC 6	7622.06000	30 x 60	0.8	PG 6
APC 10	7622.10000	30 x 60	0.8	PG 10
APC 15	7622.15000	30 x 60	0.8	PG 15
APC 25	7622.25000	30 x 60	0.8	PG 25

**APC 6 is only suited for SET PGC 2506. All other APC's can be used for SET PGC 2506 and 2510*



PGC 2506



APC

Standard

Cylindrical colletholders

Pullout protection secuRgrip®

Colletholders for tapping

HSK/
PG



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PG-SG



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HSK-A
SSY



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CYL SSY
CYL GSF



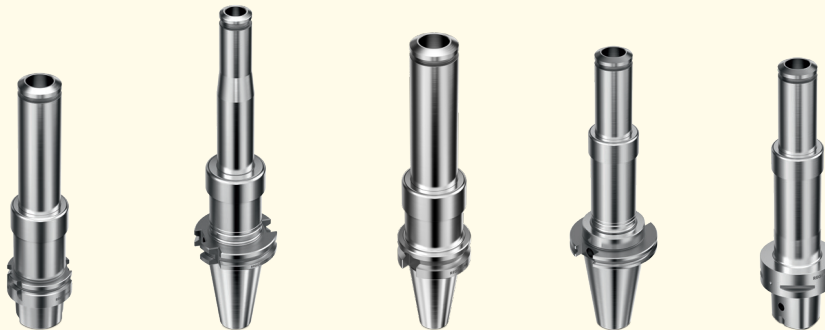
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powRgrip® toolholders in Swiss quality



	HSK/PG	SK/PG	BT/PG	CAT/PG	CAPTO/PG
Norm	DIN 69893	DIN 69871	MAS 403 JIS B 6339	ASME B5.50	–
ISO	ISO 12164	ISO 7388-1	ISO 7388-2	–	ISO 26623
Balancing	G 2.5 @ 25,000 rpm or ≤1 gmm	G 2.5 @ 25,000 rpm or ≤1 gmm	G 2.5 @ 25,000 rpm or ≤1 gmm	G 2.5 @ 25,000 rpm or ≤1 gmm	G 2.5 @ 25,000 rpm or ≤1 gmm
Chip hole	HSK-A	•	–	–	–
Runout TIR	≤0.003 mm	≤0.003 mm	≤0.003 mm	≤0.003 mm	≤0.003 mm
Taper accuracy	DIN ISO	AT3	AT3	AT3	ISO 26623
Form A + AD	–	•	•	•	–
Form AD + B	–	optional	optional	optional	–
secuRgrip®	optional	optional	optional	optional	optional
REGO-PLUS available	–	•	•	•	–



	HSK-A/PG XL	SK/PG XL	BT/PG XL	CAT/PG XL	CAPTO/PG XL
Norm	DIN 69893	DIN 69871	MAS 403 JIS B 6339	ASME B5.50	–
ISO	ISO 12164	ISO 7388-1	ISO 7388-2	–	ISO 26623
Balancing	G 2.5 @ 5,000 rpm	G 2.5 @ 5,000 rpm	G 2.5 @ 5,000 rpm	G 2.5 @ 5,000 rpm	G 2.5 @ 5,000 rpm
Chip hole	HSK-A	•	–	–	–
Runout TIR	≤0.01 mm	≤0.01 mm	≤0.01 mm	≤0.01 mm	≤0.01 mm
Taper accuracy	DIN ISO	AT3	AT3	AT3	ISO 26623
MFD*	•	•	•	•	•
Form A + AD	–	•	•	•	–
Form AD + B	–	optional	optional	optional	–
secuRgrip®	optional	optional	optional	optional	optional

*micro friction dampening technology

HSK toolholders

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

DIN 69893/ISO 12164

Features and benefits

Total system runout TIR $\leq 3 \mu\text{m}$ @ 3xD

Our holistic system consists of a powRgrip® toolholder and collet. All components together ensure best runout and accuracy.

Toolholder runout TIR $\leq 1 \mu\text{m}$

Measured from collet cavity to outer taper.

Surface finish max. Ra 0.25

Achieve high clamping force and high transferable torque.

Hi-Q® balancing system

REGO-FIX HSK/PG toolholders are balanced to G 2.5 @ 25,000 rpm / <1gmm. Type H toolholders are ready to accept Hi-Q® balancing rings which allow precision-balancing of the system including cutting tool up to 80,000 rpm depending on the balancing rings used.

XL toolholders

Total system runout TIR $\leq 10 \mu\text{m}$
100% balanced to G 2.5 @ 5,000 rpm.

Vibration dampening

Our holders offer excellent vibration dampening to sustain a high surface finish and can prevent cutting force alterations.

Matched tooling system for best fit

For highest precision and best results the entire machining system counts. Therefore our components are carefully matched for optimum fit and accuracy. This guarantees the best runout and balance.

ID chip hole (only HSK form A)

In accordance with DIN 69873 for 10 mm diameter. Other HSK-forms available on request.

Accessories are not included in delivery. Other XL sizes available on request

Balancing specifications

HSK 20	balanced to 90,000 rpm
HSK 25	balanced to 90,000 rpm
HSK 32	balanced to 60,000 rpm
HSK 40	balanced to 45,000 rpm
HSK 50	balanced to 36,000 rpm
HSK 63	G 2.5 @ 25,000 rpm
HSK 80	G 2.5 @ 25,000 rpm
HSK 100	G 2.5 @ 25,000 rpm
HSK 125	G 2.5 @ 25,000 rpm



Expert advice

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

For KSR part numbers please refer to page 265.

HSK-A toolholders

HSK-A

DIN 69893

ISO 12164

powRgrip®

Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR *
HSK-A 32								
HSK-A 32/PG 10 x 060	2532.71020	16	–	–	60	–	–	–
HSK-A 32/PG 15 x 075	2532.71530	24	–	–	75	–	–	–
HSK-A 40								
HSK-A 40/PG 6 x 048	2540.70610	10	–	–	48	–	–	–
HSK-A 40/PG 6 x 080 H	4540.70640	10	–	–	80	–	–	225
HSK-A 40/PG 10 x 062	2540.71020	16	–	–	62	–	–	–
HSK-A 40/PG 10 x 080 H	4540.71040	16	–	–	80	–	–	225
HSK-A 40/PG 10 x 120 H	4540.71060	16	–	–	120	–	–	225
HSK-A 40/PG 15 x 074	2540.71530	24	–	–	74	–	–	–
HSK-A 40/PG 15 x 080 H	4540.71540	24	–	–	80	–	–	285
HSK-A 40/PG 25 x 090	2540.72540	40	–	–	90	–	–	–
HSK-A 40/PG 25 x 100 H	4540.72550	40	–	–	100	–	–	405
HSK-A 50								
HSK-A 50/PG 10 x 080 H	4550.71040	16	–	–	80	–	–	285
HSK-A 50/PG 10 x 120 H	4550.71060	16	–	–	120	–	–	285
HSK-A 50/PG 15 x 080 H	4550.71540	24	–	–	80	–	–	285
HSK-A 50/PG 25 x 100 H	4550.72550	40	–	–	100	–	–	405
HSK-A 63								
HSK-A 63/PG 6 x 080 H	4563.70640	10	–	–	80	–	–	225
HSK-A 63/PG 10 x 080 H	4563.71040	16	–	–	80	–	–	325
HSK-A 63/PG 10 x 120 H	4563.71060	16	–	–	120	–	–	325
HSK-A 63/PG 10 x 160 H	4563.71080	16	–	–	160	–	–	325
HSK-A 63/PG 10 x 200 H	4563.71090	16	–	–	200	–	–	325
HSK-A 63/PG 10 x 240 XL	8865.71070	16	46	28	240	140	31	–
HSK-A 63/PG 10 x 260 XL	8865.71090	16	46	28	260	140	31	–
HSK-A 63/PG 10 x 300 XL	8865.71130	16	46	28	300	140	31	–
HSK-A 63/PG 10 x 340 XL	8865.71170	16	46	28	340	240	31	–
HSK-A 63/PG 10 x 360 XL	8865.71190	16	46	28	360	240	31	–
HSK-A 63/PG 10 x 400 XL	8865.71230	16	46	28	400	240	31	–
HSK-A 63/PG 15 x 080 H	4563.71540	24	–	–	80	–	–	325
HSK-A 63/PG 15 x 120 H	4563.71560	24	–	–	120	–	–	325
HSK-A 63/PG 15 x 160 H	4563.71580	24	–	–	160	–	–	325/285
HSK-A 63/PG 15 x 240 XL	8865.73070	24	46	28	240	140	55	–

*Balancing rings H: Ready to accept balancing rings

Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR*
HSK-A 63/PG 15 x 260 XL	8865.73090	24	46	28	260	140	55	—
HSK-A 63/PG 15 x 300 XL	8865.73130	24	46	28	300	140	55	—
HSK-A 63/PG 15 x 340 XL	8865.73170	24	46	28	340	240	55	—
HSK-A 63/PG 15 x 360 XL	8865.73190	24	46	28	360	240	55	—
HSK-A 63/PG 15 x 400 XL	8865.73230	24	46	28	400	240	55	—
HSK-A 63/PG 25 x 085 H NL**	4563.72540	40	—	—	85	—	—	405
HSK-A 63/PG 25 x 100 H	4563.72550	40	—	—	100	—	—	405
HSK-A 63/PG 25 x 120 H	4563.72560	40	—	—	120	—	—	405
HSK-A 63/PG 25 x 160 H	4563.72580	40	—	—	160	—	—	405 / 405
HSK-A 63/PG 25 x 200 H	4563.72590	40	—	—	200	—	—	405 / 405
HSK-A 63/PG 25 x 240 XL	8865.76070	40	55	—	240	140	—	—
HSK-A 63/PG 25 x 260 XL	8865.76090	40	55	—	260	140	—	—
HSK-A 63/PG 25 x 340 XL	8865.76170	40	55	—	340	240	—	—
HSK-A 63/PG 25 x 360 XL	8865.76190	40	55	—	360	240	—	—
HSK-A 63/PG 32 x 100	2563.73250	50	—	—	100	—	—	—
HSK-A 63/PG 32 x 120 H	4563.73260	50	—	—	120	—	—	505
HSK-A 63/PG 32 x 240 XL	8865.78070	50	58	—	240	140	—	—
HSK-A 63/PG 32 x 260 XL	8865.78090	50	58	—	260	140	—	—
HSK-A 63/PG 32 x 340 XL	8865.78170	50	58	—	340	240	—	—
HSK-A 63/PG 32 x 360 XL	8865.76190	50	58	—	360	240	—	—

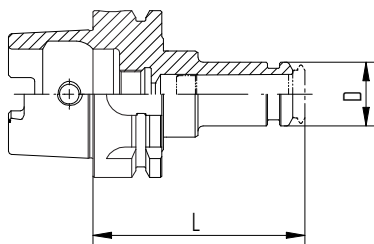
HSK-A 80

HSK-A 80/PG 15 x 085 H	4580.71540	24	—	—	85	—	—	325
HSK-A 80/PG 25 x 100 H	4580.72550	40	—	—	100	—	—	505
HSK-A 80/PG 32 x 105 H	4580.73250	50	—	—	105	—	—	505

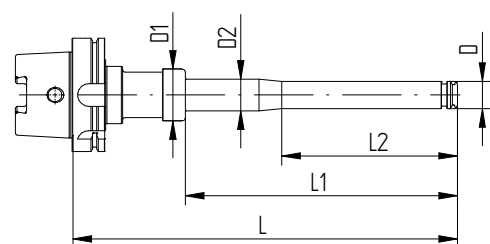
*Balancing rings H: Ready to accept balancing rings

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

**Collets PG-L, PG-MQL and PG-CRYO cannot be used



HSK-A/PG



HSK-A/PG XL

HSK-A toolholders

HSK-A

DIN 69893

ISO 12164

powRgrip®

Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR*
HSK-A 100								
HSK-A 100/PG 10 x 085 H	4500.71040	16	–	–	85	–	–	405
HSK-A 100/PG 10 x 160 H	4500.71080	16	–	–	160	–	–	405
HSK-A 100/PG 10 x 240 XL	8885.71070	16	46	28	240	140	31	–
HSK-A 100/PG 10 x 300 XL	8885.71130	16	46	28	300	140	31	–
HSK-A 100/PG 10 x 340 XL	8885.71170	16	46	28	340	240	31	–
HSK-A 100/PG 10 x 400 XL	8885.71230	16	46	28	400	240	31	–
HSK-A 100/PG 15 x 085 H	4500.71540	24	–	–	85	–	–	405
HSK-A 100/PG 15 x 120 H	4500.71560	24	–	–	120	–	–	405
HSK-A 100/PG 15 x 160 H	4500.71580	24	–	–	160	–	–	405/285
HSK-A 100/PG 15 x 240 XL	8885.73070	24	46	28	240	140	55	–
HSK-A 100/PG 15 x 300 XL	8885.73110	24	46	28	300	140	55	–
HSK-A 100/PG 15 x 340 XL	8885.73170	24	46	28	340	240	55	–
HSK-A 100/PG 15 x 400 XL	8885.73230	24	46	28	400	240	55	–
HSK-A 100/PG 25 x 100 H	4500.72550	40	–	–	100	–	–	505
HSK-A 100/PG 25 x 120 H	4500.72560	40	–	–	120	–	–	505
HSK-A 100/PG 25 x 160 H	4500.72580	40	–	–	160	–	–	505/405
HSK-A 100/PG 25 x 200 H	4500.72590	40	–	–	200	–	–	505/405
HSK-A 100/PG 25 x 246 XL	8885.76070	40	55	–	246	140	–	–
HSK-A 100/PG 25 x 260 XL	8885.76090	40	55	–	260	140	–	–
HSK-A 100/PG 25 x 300 XL	8885.76130	40	55	–	300	140	–	–
HSK-A 100/PG 25 x 346 XL	8885.76170	40	55	–	346	240	–	–
HSK-A 100/PG 25 x 360 XL	8885.76190	40	55	–	360	240	–	–
HSK-A 100/PG 25 x 400 XL	8885.76230	40	55	–	400	240	–	–
HSK-A 100/PG 25 x 440 XL	8885.76270	40	55	–	440	240	–	–
HSK-A 100/PG 32 x 106 H	4500.73250	50	–	–	106	–	–	505
HSK-A 100/PG 32 x 120 H	4500.73260	50	–	–	120	–	–	505
HSK-A 100/PG 32 x 160 H	4500.73280	50	–	–	160	–	–	505
HSK-A 100/PG 32 x 200 H	4500.73290	50	–	–	200	–	–	505/505
HSK-A 100/PG 32 x 246 XL	8885.78070	50	58	–	246	140	–	–
HSK-A 100/PG 32 x 260 XL	8885.78090	50	58	–	260	140	–	–
HSK-A 100/PG 32 x 300 XL	8885.78130	50	58	–	300	140	–	–
HSK-A 100/PG 32 x 340 XL	8885.78170	50	58	–	340	140	–	–
HSK-A 100/PG 32 x 360 XL	8885.78190	50	58	–	360	240	–	–
HSK-A 100/PG 32 x 400 XL	8885.78230	50	58	–	400	240	–	–
HSK-A 100/PG 32 x 440 XL	8885.78270	50	58	–	440	240	–	–
HSK-A 125								
HSK-A 125/PG 15 x 245 XL	8895.73070	24	52	28	245	140	55	–
HSK-A 125/PG 15 x 345 XL	8895.73170	24	52	28	345	240	55	–
HSK-A 125/PG 25 x 252 XL	8895.76080	40	52	–	252	140	–	–
HSK-A 125/PG 25 x 352 XL	8895.76180	40	52	–	352	240	–	–
HSK-A 125/PG 32 x 252 XL	8895.78080	50	58	–	252	140	–	–
HSK-A 125/PG 32 x 352 XL	8895.78180	50	58	–	352	240	–	–

*Balancing rings H: Ready to accept balancing rings

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

Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR*
HSK-E 20								
HSK-E 20/PG 6 x 043	2520.70614	10	–	–	43	–	–	–
HSK-E 25								
HSK-E 25/PG 6 x 043	2525.70614	10	–	–	43	–	–	–
HSK-E 25/PG 10 x 055	2525.71014	16	–	–	55	–	–	–
HSK-E 32								
HSK-E 32/PG 6 x 048	2532.70614	10	–	–	48	–	–	–
HSK-E 32/PG 6 x 080	2532.70644	10	–	–	80	–	–	–
HSK-E 32/PG 10 x 060	2532.71024	16	–	–	60	–	–	–
HSK-E 32/PG 10 x 080	2532.71044	16	–	–	80	–	–	–
HSK-E 32/PG 10 x 080 H	4532.71044	16	–	–	80	–	–	225
HSK-E 32/PG 15 x 075	2532.71534	24	–	–	75	–	–	–
HSK-E 40								
HSK-E 40/PG 6 x 048	2540.70614	10	–	–	48	–	–	–
HSK-E 40/PG 6 x 080 H	4540.70644	10	–	–	80	–	–	225
HSK-E 40 NCT/PG 10 x 052**	2540.71018	16	–	–	52	–	–	–
HSK-E 40/PG 10 x 062	2540.71024	16	–	–	62	–	–	–
HSK-E 40/PG 10 x 080 H	4540.71044	16	–	–	80	–	–	225
HSK-E 40/PG 10 x 120 H	4540.71064	16	–	–	120	–	–	225
HSK-E 40/PG 10 x 160 H	4540.71084	16	–	–	160	–	–	285
HSK-E 40 NCT/PG 15 x 064**	2540.71528	24	–	–	64	–	–	–
HSK-E 40/PG 15 x 074	2540.71534	24	–	–	74	–	–	–
HSK-E 40/PG 15 x 080 H	4540.71544	24	–	–	80	–	–	285
HSK-E 40/PG 15 x 120 H	4540.71564	24	–	–	120	–	–	285
HSK-E 40/PG 25 x 090	2540.72544	40	–	–	90	–	–	–
HSK-E 40/PG 25 x 100 H	4540.72554	40	–	–	100	–	–	405
HSK-E 50								
HSK-E 50/PG 6 x 080 H	4550.70644	10	–	–	80	–	–	225
HSK-E 50/PG 10 x 067	2550.71024	16	–	–	67	–	–	–
HSK-E 50/PG 10 x 080 H	4550.71044	16	–	–	80	–	–	285
HSK-E 50/PG 10 x 120 H	4550.71064	16	–	–	120	–	–	285
HSK-E 50/PG 10 x 160 H	4550.71084	16	–	–	160	–	–	285
HSK-E 50/PG 15 x 080 H	4550.71544	24	–	–	80	–	–	285
HSK-E 50/PG 15 x 120 H	4550.71564	24	–	–	120	–	–	285
HSK-E 50/PG 25 x 100 H	4550.72554	40	–	–	100	–	–	405
HSK-E 63								
HSK-E 63/PG 15 x 080 H	4563.71544	24	–	–	80	–	–	325
HSK-E 63/PG 25 x 100 H	4563.72554	40	–	–	100	–	–	405

*Balancing rings H: Ready to accept balancing rings

**Without thread for coolant tube

HSK-F toolholders

HSK-F

DIN 69893

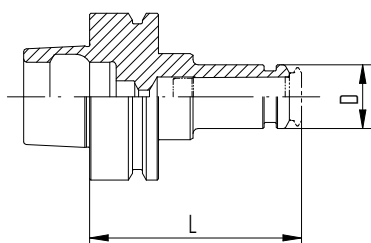
ISO 12164

powRgrip®

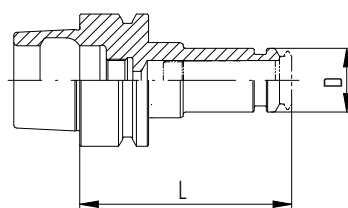
Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR*
HSK-F 63								
HSK-F 63/PG 10 x 080 H	4563.71045	16	–	–	80	–	–	325
HSK-F 63/PG 10 x 120 H	4563.71065	16	–	–	120	–	–	325
HSK-F 63/PG 10 x 160 H	4563.71085	16	–	–	160	–	–	325
HSK-F 63/PG 15 x 080 H	4563.71545	24	–	–	80	–	–	325
HSK-F 63/PG 15 x 120 H	4563.71565	24	–	–	120	–	–	325
HSK-F 63/PG 15 x 160 H	4563.71585	24	–	–	160	–	–	325/285
HSK-F 63/PG 25 x 100 H	4563.72555	40	–	–	100	–	–	405
HSK-F 63/PG 25 x 160 H	4563.72585	40	–	–	160	–	–	405
HSK-F 63/PG 32 x 100	2563.73255	50	–	–	100	–	–	–
HSK-FP 80**								
HSK-FP 80/PG 25 x 090 H	8020.13200	40	–	–	90	–	–	405
HSK-FP 80/PG 32 x 100 H	8020.13100	50	–	–	100	–	–	505

*Balancing rings H: Ready to accept balancing rings

**USA only



HSK-F/PG



HSK-E/PG

SK steep taper toolholders

Universally suitable for different machining applications.

DIN 69871 / DIN ISO 7388-1

Features and benefits

Total system runout TIR $\leq 3 \mu\text{m}$ @ 3xD

Our holistic system consists of a powRgrip® toolholder and collet. All components together ensure best runout and accuracy.

Toolholder runout TIR $\leq 1 \mu\text{m}$

Measured from collet cavity to outer taper.

Taper accuracy AT3

Better spindle-to-holder fit and accuracy.

Surface finish max. Ra 0.25

Achieve high clamping force and high transferable torque.

Balancing

100% balanced to G 2.5 @ 25,000 rpm / < 1gmm.

XL toolholders

Total system runout TIR $\leq 10 \mu\text{m}$
100% balanced to G 2.5 @ 5,000 rpm.

Hi-Q® balancing system

Ready to accept Hi-Q® balancing rings which allow for the offset of the imbalance introduced by the cutting tool up to 80,000 rpm depending on the balancing rings used. All toolholders with the additional type information "H" in the part number are designed for balancing rings.

Vibration dampening

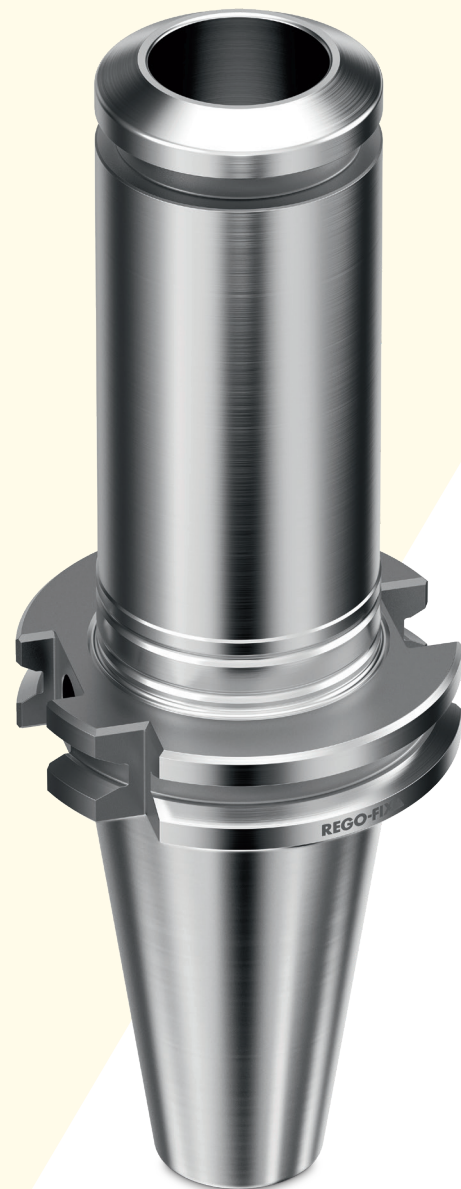
Our holders offer excellent vibration dampening to sustain a high surface finish and can help prevent chatter.

ID chip hole

In accordance with DIN 69873 for 10 mm diameter.

Balancing specifications

SK 30	balanced to 30,000 rpm
SK 40	G 2.5 @ 25,000 rpm
SK 50	G 2.5 @ 25,000 rpm



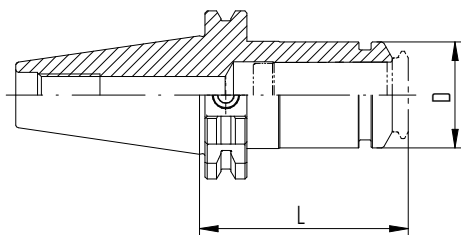
Accessories are not included in delivery. Other XL sizes available on request

Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR*
SK 30								
SK 30/PG 6 x 080 H	4230.70640	10	–	–	80	–	–	225
SK 30/PG 10 x 060	2230.71020	16	–	–	60	–	–	–
SK 30/PG 10 x 073 H	4230.71030	16	–	–	73	–	–	285
SK 30/PG 15 x 060	2230.71520	24	–	–	60	–	–	–
SK 30/PG 15 x 080 H	4230.71540	24	–	–	80	–	–	285
SK 30/PG 15 x 120 H	4230.71560	24	–	–	120	–	–	285
SK 30/PG 25 x 080	2230.72540	40	–	–	80	–	–	–
SK 30/PG 25 x 160 H	4230.72580	40	–	–	160	–	–	405
SK 40								
SK 40/PG 10 x 080 H	4240.71040	16	–	–	80	–	–	285
SK 40/PG 10 x 120 H	4240.71060	16	–	–	120	–	–	285
SK 40/PG 10 x 160 H	4240.71080	16	–	–	160	–	–	325
SK 40/PG 10 x 220 XL	8842.71050	16	46	28	220	140	31	–
SK 40/PG 10 x 260 XL	8842.71090	16	46	28	260	140	31	–
SK 40/PG 10 x 300 XL	8842.71130	16	46	28	300	140	31	–
SK 40/PG 10 x 320 XL	8842.71150	16	46	28	320	240	31	–
SK 40/PG 10 x 360 XL	8842.71190	16	46	28	360	240	31	–
SK 40/PG 10 x 400 XL	8842.71230	16	46	28	400	240	31	–
SK 40/PG 15 x 072	2240.71530	24	–	–	72	–	–	–
SK 40/PG 15 x 080 H	4240.71540	24	–	–	80	–	–	285
SK 40/PG 15 x 120 H	4240.71560	24	–	–	120	–	–	325
SK 40/PG 15 x 160 H	4240.71580	24	–	–	160	–	–	325 / 285
SK 40/PG 15 x 220 XL	8842.73050	24	46	28	220	140	55	–
SK 40/PG 15 x 260 XL	8842.73090	24	46	28	260	140	55	–
SK 40/PG 15 x 300 XL	8842.73130	24	46	28	300	140	55	–
SK 40/PG 15 x 320 XL	8842.73150	24	46	28	320	240	55	–
SK 40/PG 15 x 360 XL	8842.73190	24	46	28	360	240	55	–
SK 40/PG 15 x 400 XL	8842.73230	24	46	28	400	240	55	–
SK 40/PG 25 x 072	2240.72530	40	–	–	72	–	–	–
SK 40/PG 25 x 080 H	4240.72540	40	–	–	80	–	–	405
SK 40/PG 25 x 120 H	4240.72560	40	–	–	120	–	–	405
SK 40/PG 25 x 160 H	4240.72580	40	–	–	160	–	–	405 / 405
SK 40/PG 25 x 220 XL	8842.76050	40	55	–	220	140	–	–
SK 40/PG 25 x 320 XL	8842.76150	40	55	–	320	240	–	–
SK 40/PG 32 x 080	2240.73240	50	–	–	80	–	–	–

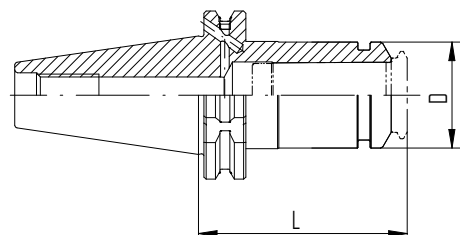
*Balancing rings H: Ready to accept balancing rings

Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR*
SK-B 40								
SK-B 40/PG 10 x 080 H	4240.71043	16	–	–	80	–	–	285
SK-B 40/PG 10 x 120 H	4240.71063	16	–	–	120	–	–	285
SK-B 40/PG 10 x 160 H	4240.71083	16	–	–	160	–	–	325
SK-B 40/PG 15 x 072	2240.71533	24	–	–	72	–	–	–
SK-B 40/PG 15 x 080 H	4240.71543	24	–	–	80	–	–	285
SK-B 40/PG 15 x 120 H	4240.71563	24	–	–	120	–	–	325
SK-B 40/PG 15 x 160 H	4240.71583	24	–	–	160	–	–	325 / 285
SK-B 40/PG 25 x 072	2240.72533	40	–	–	72	–	–	–
SK-B 40/PG 25 x 080 H	4240.72543	40	–	–	80	–	–	405
SK-B 40/PG 25 x 120 H	4240.72563	40	–	–	120	–	–	405
SK-B 40/PG 25 x 160 H	4240.72583	40	–	–	160	–	–	405 / 405
SK-B 40/PG 32 x 080	2240.73243	50	–	–	80	–	–	–

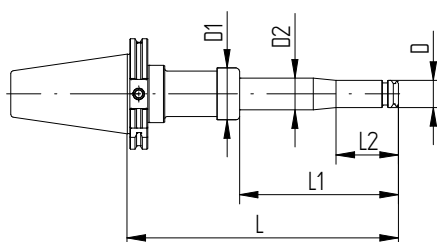
*Balancing rings H: Ready to accept balancing rings



SK/PG (Form A+AD)



SK-B/PG (Form AD+B)



SK/PG XL

SK toolholders

SK-B toolholders

SK

DIN 69871

DIN ISO 7388-1

SK-B

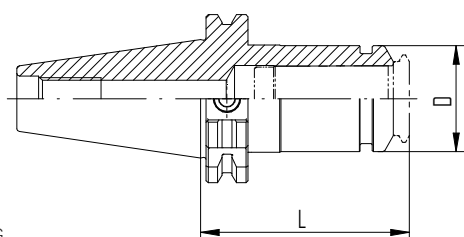
DIN 69871

DIN ISO 7388-1

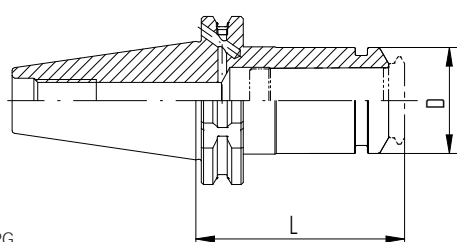
Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR*
SK 50								
SK 50/PG 10 x 240 XL	8852.71070	16	46	28	240	140	31	–
SK 50/PG 10 x 300 XL	8852.71130	16	46	28	300	140	31	–
SK 50/PG 10 x 340 XL	8852.71170	16	46	28	340	240	31	–
SK 50/PG 10 x 400 XL	8852.71230	16	46	28	400	240	31	–
SK 50/PG 15 x 120 H	4250.71560	24	32	–	120	42	–	325
SK 50/PG 15 x 240 XL	8852.73070	24	46	28	240	140	55	–
SK 50/PG 15 x 300 XL	8852.73130	24	46	28	300	140	55	–
SK 50/PG 15 x 340 XL	8852.73170	24	46	28	340	240	55	–
SK 50/PG 15 x 400 XL	8852.73230	24	46	28	400	240	55	–
SK 50/PG 25 x 081	2250.72540	40	–	–	81	–	–	–
SK 50/PG 25 x 100 H	4250.72550	40	–	–	100	–	–	505
SK 50/PG 25 x 160 H	4250.72580	40	–	–	160	–	–	505 / 405
SK 50/PG 25 x 200 H	4250.72590	40	–	–	200	–	–	505 / 405
SK 50/PG 25 x 300 XL	8832.78130	40	55	–	134	–	–	–
SK 50/PG 25 x 320 XL	8852.76150	40	55	–	320	240	–	–
SK 50/PG 25 x 400 XL	8852.76230	40	55	–	234	–	–	–
SK 50/PG 32 x 080	2250.73240	50	–	–	80	–	–	–
SK 50/PG 32 x 160 H	4250.73280	50	–	–	160	–	–	505
SK 50/PG 32 x 220 XL	8852.78050	50	58	–	220	140	–	–
SK 50/PG 32 x 300 XL	8852.78130	50	58	–	300	140	–	–
SK 50/PG 32 x 320 XL	8852.78150	50	58	–	320	240	–	–
SK 50/PG 32 x 400 XL	8852.78230	50	58	–	400	240	–	–

SK-B 50								
SK-B 50/PG 25 x 081	2250.72543	40	–	–	81	–	–	–
SK-B 50/PG 25 x 100 H	4250.72553	40	–	–	100	–	–	505
SK-B 50/PG 25 x 160 H	4250.72583	40	–	–	160	–	–	505 / 405
SK-B 50/PG 25 x 200 H	4250.72593	40	–	–	200	–	–	505 / 405
SK-B 50/PG 32 x 080	2250.73243	50	–	–	80	–	–	–

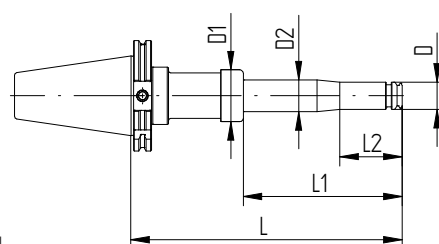
*Balancing rings H: Ready to accept balancing rings



SK/PG



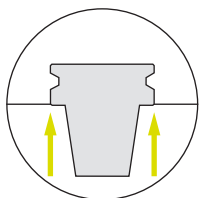
SK-B/PG



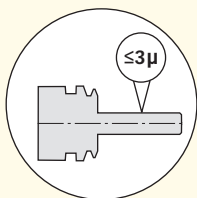
SK/PG XL

REGO-FIX SK+ toolholders

Key advantages



Higher collotholder stiffness due to taper (AT1) and face contact.



Improved machining accuracy and better surface finish.

Certified The BIG PLUS SYSTEM – licensed by BIG Daishowa – is manufactured at REGO-FIX in Switzerland under license according to BIG PLUS specifications.

DIN 69871 / DIN ISO 7388-1

Features and benefits

Total system runout TIR ≤ 0.0001" (3 μm)

Our holistic system consists of a powRgrip® toolholder and collet. All components together ensure best runout and accuracy.

Surface finish max. Ra 0.25

Achieve high clamping force and high transferable torque.

Balancing

100% balanced to G 2.5 @ 25,000 rpm/≤1 gmm.

Hi-Q® balancing system

Ready to accept Hi-Q® balancing rings which allow for the offset of the imbalance introduced by the cutting tool up to 80,000 rpm depending on the balancing rings used. All collotholders with the additional type information "H" in the article name are designed for balancing rings.

Vibration dampening

Our holders offer excellent vibration dampening to sustain a high surface finish and can help prevent chatter.

ID chip hole

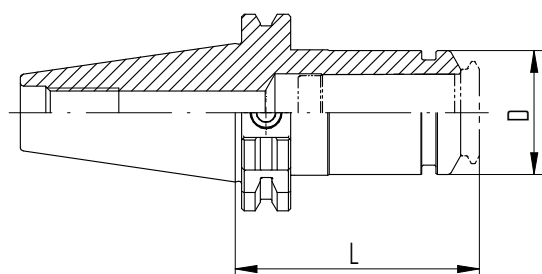
In accordance DIN 69873 with diameter 10 mm.

Accessories are not included in delivery. Form B available on request



Type	Part. no.	Dimensions [mm]		Accessory
		D	L	FWR*
SK+ 40				
SK+ 40 / PG 10 x 080 H	4240.71046	16	80	285
SK+ 40 / PG 15 x 080 H	4240.71546	24	80	285
SK+ 40 / PG 25 x 080 H	4240.72546	40	80	405
SK+ 40 / PG 32 x 080	2240.73246	50	80	–

*Balancing rings H: Ready to accept balancing rings



SK+ / PG (A+AD)

BT steep taper toolholders

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

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

Features and benefits

Total system runout TIR $\leq 3 \mu\text{m}$ @ 3xD

Our holistic system consists of a powRgrip® toolholder and collet. All components together ensure best runout and accuracy.

Toolholder runout TIR $\leq 1 \mu\text{m}$

Measured from collet cavity to outer taper.

Taper accuracy AT3

Better spindle-to-holder fit and accuracy.

Surface finish max. Ra 0.25

Achieve high clamping force and high transferable torque.

Balancing

100 % balanced to G 2.5 @ 25.000 rpm / < 1gmm.

XL toolholders

Total system runout TIR $\leq 10 \mu\text{m}$
100 % balanced to G 2.5 @ 5,000 rpm.

Hi-Q® balancing system

Ready to accept Hi-Q® balancing rings which allow for the offset of the imbalance introduced by the cutting tool up to 80,000 rpm depending on the balancing rings used. All toolholders with the additional type information "H" in the part number are designed for balancing rings.

Vibration dampening

Our holders offer excellent vibration dampening to sustain a high surface finish and can help prevent chatter.

Balancing specifications

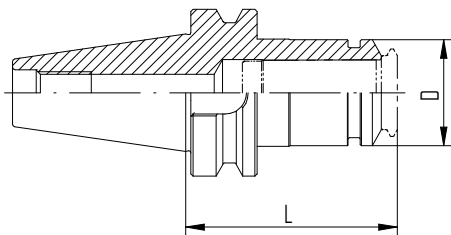
BT 30	balanced to 30,000 rpm
BT 40	G 2.5 @ 25,000 rpm
BT 50	G 2.5 @ 25,000 rpm



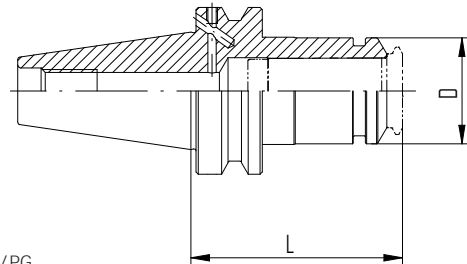
Accessories are not included in delivery. Other XL sizes available on request

Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR*
BT 30								
BT 30/PG 6 x 050	2130.70610	10	—	—	50	—	—	—
BT 30/PG 6 x 080 H	4130.70640	10	—	—	80	—	—	225
BT 30/PG 6 x 100 H	4130.70650	10	—	—	100	—	—	225
BT 30/PG 10 x 062	2130.71020	16	—	—	62	—	—	—
BT 30/PG 10 x 080 H	4130.71040	16	—	—	80	—	—	285
BT 30/PG 10 x 120 H	4130.71060	16	—	—	120	—	—	285
BT 30/PG 10 x 160 H	4130.71080	16	—	—	160	—	—	285
BT 30/PG 15 x 065	2130.71520	24	—	—	65	—	—	—
BT 30/PG 15 x 070 H	4130.71530	24	—	—	70	—	—	285
BT 30/PG 15 x 120 H	4130.71560	24	—	—	120	—	—	285
BT 30/PG 25 x 075	2130.72530	40	—	—	75	—	—	—
BT 30/PG 25 x 080 H	4130.72540	40	—	—	80	—	—	405
BT 30/PG 25 x 120 H	4130.72560	40	—	—	120	—	—	405
BT 30/PG 25 x 160 H	4130.72580	40	—	—	160	—	—	405/405

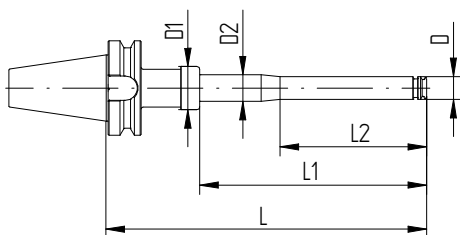
*Balancing rings H: Ready to accept balancing rings



BT/PG



BT-B/PG



BT/PG XL

BT toolholders

BT-B toolholders

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

Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR*
BT 40								
BT 40/PG 10 x 080 H	4140.71040	16	–	–	80	–	–	285
BT 40/PG 10 x 120 H	4140.71060	16	–	–	120	–	–	325
BT 40/PG 10 x 160 H	4140.71080	16	–	–	160	–	–	325
BT 40/PG 10 x 220 XL	8841.71050	16	46	28	220	140	31	–
BT 40/PG 10 x 260 XL	8841.71090	16	46	28	260	140	31	–
BT 40/PG 10 x 300 XL	8841.71130	16	46	28	300	140	31	–
BT 40/PG 10 x 320 XL	8841.71150	16	46	28	320	240	31	–
BT 40/PG 10 x 360 XL	8841.71190	16	46	28	360	240	31	–
BT 40/PG 10 x 400 XL	8841.71230	16	46	28	400	240	31	–
BT 40/PG 15 x 075	2140.71530	24	–	–	75	–	–	–
BT 40/PG 15 x 080 H	4140.71540	24	–	–	80	–	–	285
BT 40/PG 15 x 120 H	4140.71560	24	–	–	120	–	–	325
BT 40/PG 15 x 160 H	4140.71580	24	–	–	160	–	–	325 / 285
BT 40/PG 15 x 220 XL	8841.73050	24	46	28	220	140	55	–
BT 40/PG 15 x 260 XL	8841.73090	24	46	28	260	140	55	–
BT 40/PG 15 x 300 XL	8841.73130	24	46	28	300	140	55	–
BT 40/PG 15 x 320 XL	8841.73150	24	46	28	320	240	55	–
BT 40/PG 15 x 360 XL	8841.73190	24	46	28	360	240	55	–
BT 40/PG 15 x 400 XL	8841.73230	24	46	28	400	240	55	–
BT 40/PG 25 x 080 H	4140.72540	40	–	–	80	–	–	405
BT 40/PG 25 x 120 H	4140.72560	40	–	–	120	–	–	405
BT 40/PG 25 x 160 H	4140.72580	40	–	–	160	–	–	405 / 405
BT 40/PG 25 x 226 XL	8841.76050	40	55	–	226	140	–	–
BT 40/PG 25 x 326 XL	8841.76150	40	55	–	326	240	–	–
BT 40/PG 32 x 086	2140.73240	50	–	–	86	–	–	–
BT-B 40								
BT-B 40/PG 10 x 080 H	4140.71043	16	–	–	80	–	–	285
BT-B 40/PG 10 x 120 H	4140.71063	16	–	–	120	–	–	325
BT-B 40/PG 10 x 160 H	4140.71083	16	–	–	160	–	–	325
BT-B 40/PG 15 x 075	2140.71533	24	–	–	75	–	–	–
BT-B 40/PG 15 x 080 H	4140.71543	24	–	–	80	–	–	285
BT-B 40/PG 15 x 120 H	4140.71563	24	–	–	120	–	–	325
BT-B 40/PG 15 x 160 H	4140.71583	24	–	–	160	–	–	325 / 285
BT-B 40/PG 25 x 080 H	4140.72543	40	–	–	80	–	–	405
BT-B 40/PG 25 x 120 H	4140.72563	40	–	–	120	–	–	405
BT-B 40/PG 25 x 160 H	4140.72583	40	–	–	160	–	–	405 / 405
BT-B 40/PG 32 x 086	2140.73243	50	–	–	86	–	–	–

*Balancing rings H: Ready to accept balancing rings

BT toolholders

BT

MAS 403

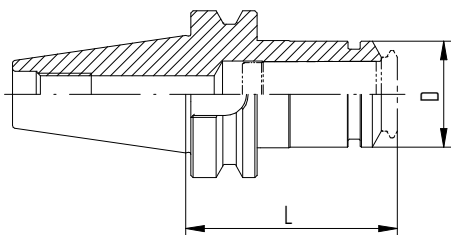
JIS B 6339

DIN ISO 7388-2

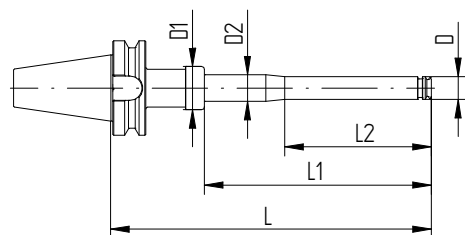
powRgrip®

Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR*
BT 50								
BT 50/PG 10 x 120 H	4150.71060	16	–	–	120	–	–	405
BT 50/PG 10 x 160 H	4150.71080	16	–	–	160	–	–	405
BT 50/PG 10 x 240 XL	8851.71070	16	46	28	240	140	31	–
BT 50/PG 10 x 260 XL	8851.71090	16	46	28	260	140	31	–
BT 50/PG 10 x 300 XL	8851.71130	16	46	28	300	140	31	–
BT 50/PG 10 x 340 XL	8851.71170	16	46	28	340	240	31	–
BT 50/PG 10 x 360 XL	8851.71190	16	46	28	360	240	31	–
BT 50/PG 10 x 400 XL	8851.71230	16	46	28	400	240	31	–
BT 50/PG 15 x 120 H	4150.71560	24	–	–	120	–	–	325
BT 50/PG 15 x 160 H	4150.71580	24	–	–	160	–	–	325
BT 50/PG 15 x 240 XL	8851.73070	24	46	28	240	140	55	–
BT 50/PG 15 x 260 XL	8851.73090	24	46	28	260	140	55	–
BT 50/PG 15 x 300 XL	8851.73130	24	46	28	300	140	55	–
BT 50/PG 15 x 340 XL	8851.73170	24	46	28	340	240	55	–
BT 50/PG 15 x 360 XL	8851.73190	24	46	28	360	240	55	–
BT 50/PG 15 x 400 XL	8851.73230	24	46	28	400	240	55	–
BT 50/PG 25 x 100	2150.72550	40	–	–	100	–	–	–
BT 50/PG 25 x 120 H	4150.72560	40	–	–	120	–	–	505
BT 50/PG 25 x 160 H	4150.72580	40	–	–	160	–	–	505 / 405
BT 50/PG 25 x 200 H	4150.72590	40	–	–	200	–	–	505 / 405
BT 50/PG 25 x 240 XL	8851.76070	40	55	–	240	140	–	–
BT 50/PG 25 x 340 XL	8851.76170	40	55	–	340	240	–	–
BT 50/PG 32 x 100	2150.73250	50	–	–	100	–	–	–
BT 50/PG 32 x 240 XL	8851.78070	50	58	–	240	140	–	–
BT 50/PG 32 x 340 XL	8851.78170	50	58	–	340	140	–	–

*Balancing rings H: Ready to accept balancing rings



BT/PG



BT/PG XL

BT-OM toolholders

Type	Part no.	Dimensions [mm]				Accessory
		D	D1	L	L1	FWR*
BT-OM						
BT-OM 30/PG 10 x 062	2130.71028	16	–	62	–	–
BT-OM 30/PG 15 x 070 H	4130.71538	24	–	70	–	285
BT-OM 30/PG 25 x 080 H	4130.72548	40	–	80	–	405

*Balancing rings H: Ready to accept balancing rings

Information

BT-OM / PG toolholders without drive slots

Applications

This special toolholder without drive slots is designed for use on HAAS and HURCO CNC-machining centers, for High Speed Cutting (HSC) and High Performance Cutting (HPC). Use up to the max. power limit of the processing machine.

The anti-vibration characteristics of the BT-OM / PG toolholder reduce the wear of spindle and tool.

Balancing

REGO-FIX BT-OM / PG toolholders are balanced to G 2.5 @ 30,000 rpm / <1gmm. Type H toolholders are compatible with Hi-Q® balancing rings which allow precision balancing of the entire system including cutting tool up to 80,000 rpm depending on the balancing rings used.

Cooling options

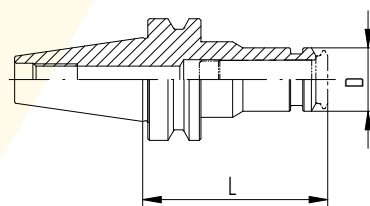
PG standard collets for tools with an internal coolant supply (metallic sealed).
Coolant flush collets PG-CF for peripheral cooling.

Matched tooling system for best fit

For highest precision and best results the entire machining system counts. Therefore REGO-FIX components are carefully matched for optimum fit and accuracy. This guarantees the best runout and balance.

For the influence of runout on tool life, please refer to page 269.

Accessories are not included in delivery

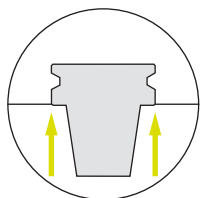


BT-OM/PG

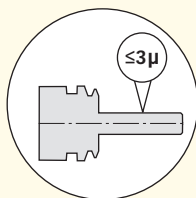


REGO-FIX BT+ dual contact toolholders

Key advantages



Higher toolholder stiffness due to taper (AT1) and face contact.



Total system runout TIR $\leq 3 \mu\text{m}$ at 3x D.

Certified The BIG PLUS SYSTEM – licensed by BIG Daishowa – is manufactured at REGO-FIX in Switzerland under license according to BIG PLUS specifications.

Features and benefits

Total system runout TIR $\leq 0.0001''$ (3 μm)

Our holistic system consists of a powRgrip® toolholder and collet. All components together ensure best runout and accuracy.

Surface finish max. Ra 0.25

Achieve high clamping force and high transferable torque.

Balancing

100 % balanced to G 2.5 @ 25,000 rpm / $\leq 1 \text{ gmm}$.

Hi-Q® balancing system

Ready to accept Hi-Q® balancing rings which allow for the offset of the imbalance introduced by the cutting tool up to 80,000 rpm depending on the balancing rings used. All collets with the additional type information "H" in the article name are designed for balancing rings.

Vibration dampening

Our holders offer excellent vibration dampening to sustain a high surface finish and can help prevent chatter.

Balancing specifications

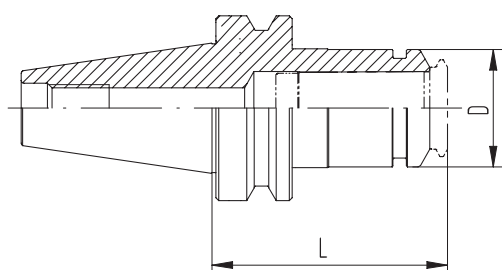
BT+ 30	balanced to 30,000 rpm
BT+ 40	G 2.5 @ 25,000 rpm
BT+ 50	G 2.5 @ 25,000 rpm



Accessories are not included in delivery. Form B available on request

Type	Part no.	Dimensions [mm]		Accessory
		D	D1	FWR*
BT+ 30				
BT+ 30/PG 10 x 080 H	4130.71046	16	80	285
BT+ 30/PG 15 x 070 H	4130.71536	24	70	285
BT+ 30/PG 25 x 080 H	4130.72546	40	80	405
BT+ 30/PG 25 x 160 H	4130.72586	40	160	405 / 405
BT+ 40				
BT+ 40/PG 10 x 080 H	4140.71046	16	80	285
BT+ 40/PG 10 x 120 H	4140.71066	16	120	325
BT+ 40/PG 15 x 080 H	4140.71546	24	80	285
BT+ 40/PG 15 x 120 H	4140.71566	24	120	325
BT+ 40/PG 25 x 080 H	4140.72546	40	80	405
BT+ 40/PG 25 x 120 H	4140.72566	40	120	405
BT+ 40/PG 25 x 160 H	4140.72586	40	160	405 / 405
BT+ 50				
BT+ 50/PG 25 x 120 H	4150.72566	40	120	505
BT+ 50/PG 25 x 160 H	4150.72586	40	160	505 / 405

*Balancing rings H: Ready to accept balancing rings



BT+ / PG (A+AD)

CAT steep taper toolholders

Universally suitable for different machining applications.

ASME B5.50

Features and benefits

Total system runout TIR $\leq 0.0001"$ (3 μm)

Our holistic system consists of a powRgrip® toolholder and collet. All components together ensure best runout and accuracy.

Toolholder runout TIR $\leq 1 \mu\text{m}$

Measured from collet cavity to outer taper.

Taper accuracy AT3

Better spindle-to-holder fit and accuracy.

Surface finish max. Ra 0.25

Achieve high clamping force and high transferable torque.

Balancing

100% balanced to G 2.5 @ 25,000 rpm.

Balancing in XL toolholders

100% balanced to G 2.5 @ 5,000 rpm.

Hi-Q® balancing system

Ready to accept Hi-Q® balancing rings which allow for the offset of the imbalance introduced by the cutting tool up to 80,000 rpm depending on the balancing rings used. All toolholders with the additional type information "H" in the part number are designed for balancing rings.

Vibration dampening

Our holders offer excellent vibration dampening to sustain a high surface finish and can help prevent chatter.

ID chip hole

In accordance with DIN 69873 for 10 mm diameter.



Accessories are not included in delivery. Other XL sizes available on request

CAT toolholders

CAT
CAT-B

ASME B5.50

powRgrip®

Type	Part no.	Dimensions						Accessory
		D [mm]	D1 [mm]	D2 [mm]	L [inch]	L1 [inch]	L2 [mm]	FWR*
CAT 40								
CAT 40/PG 6 x 3" H**	4340.70631	10	–	–	3"	–	–	285
CAT 40/PG 10 x 3.5" H	4340.71001	16	–	–	3.5"	–	–	285
CAT 40/PG 10 x 5" H	4340.71061	16	–	–	5"	–	–	285
CAT 40/PG 10 x 6" H	4340.71071	16	–	–	6"	–	–	285
CAT 40/PG 10 x 8" XL	8843.71031	16	42	28	8"	4"	31	–
CAT 40/PG 10 x 10" XL	8843.71081	16	42	28	10"	4"	31	–
CAT 40/PG 10 x 12" XL	8843.71131	16	42	28	12"	8"	31	–
CAT 40/PG 10 x 14" XL	8843.71181	16	42	28	14"	8"	31	–
CAT 40/PG 15 x 3.15" H	4340.71541	24	–	–	3.15"	–	–	285
CAT 40/PG 15 x 4" H	4340.71551	24	–	–	4"	–	–	285
CAT 40/PG 15 x 6" H	4340.71571	24	–	–	6"	–	–	325/285
CAT 40/PG 15 x 8" XL	8843.73031	24	42	28	8"	4"	55	–
CAT 40/PG 15 x 10" XL	8843.73081	24	42	28	10"	4"	55	–
CAT 40/PG 15 x 12" XL	8843.73131	24	42	28	12"	8"	55	–
CAT 40/PG 15 x 14" XL	8843.73181	24	42	28	14"	8"	55	–
CAT 40/PG 25 x 2.8"	2340.72531	40	–	–	2.8"	–	–	–
CAT 40/PG 25 x 3.15" H	4340.72541	40	–	–	3.15"	–	–	405
CAT 40/PG 25 x 4" H	4340.72551	40	–	–	4"	–	–	405
CAT 40/PG 25 x 6" H	4340.72571	40	–	–	6"	–	–	405/405
CAT 40/PG 25 x 8" H	4340.72591	40	52	–	8"	–	–	405/405
CAT 40/PG 25 x 10" XL	8843.76081	40	52	–	10"	4"	–	–
CAT 40/PG 25 x 14" XL	8843.76181	40	52	–	14"	8"	–	–
CAT 40/PG 32 x 3.5"	2340.73201	50	–	–	3.5"	–	–	–
CAT 40/PG 32 x 4.3" H	4340.73251	50	–	–	4.3"	–	–	505
CAT 40/PG 32 x 6" H	4340.73271	50	–	–	6"	–	–	505/505
CAT-B 40								
CAT-B 40/PG 10 x 3.5" H	4340.71004	16	–	–	3.5"	–	–	285
CAT-B 40/PG 10 x 6" H	4340.71074	16	–	–	6"	–	–	285
CAT-B 40/PG 15 x 3.15" H	4340.71544	24	–	–	3.15"	–	–	285
CAT-B 40/PG 15 x 4" H	4340.71554	24	–	–	4"	–	–	285
CAT-B 40/PG 15 x 6" H	4340.71574	24	–	–	6"	–	–	325/285
CAT-B 40/PG 25 x 2.8"***	2340.72534	40	–	–	2.8"	–	–	–
CAT-B 40/PG 25 x 3.15" H	4340.72544	40	–	–	3.15"	–	–	405
CAT-B 40/PG 25 x 4" H	4340.72554	40	–	–	4"	–	–	405
CAT-B 40/PG 25 x 6" H	4340.72574	40	–	–	6"	–	–	405/405
CAT-B 40/PG 32 x 4.3" H	4340.73254	50	–	–	4.3"	–	–	505
CAT-B 40/PG 32 x 6" H	4340.73274	50	–	–	6"	–	–	505/505

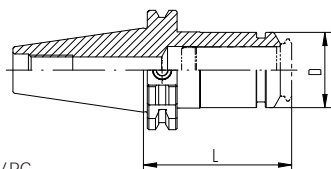
*Balancing rings H: Ready to accept balancing rings

**USA only

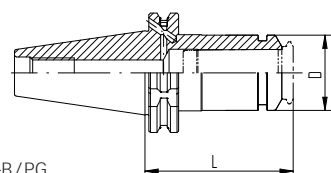
Type	Part no.	Dimensions						Accessory
		D [mm]	D1 [mm]	D2 [mm]	L [inch]	L1 [inch]	L2 [mm]	FWR*
CAT 50								
CAT 50/PG 10 x 4" H	4350.71051	16	–	–	4"	–	–	405
CAT 50/PG 10 x 8" XL	8853.71031	16	42	28	8"	4"	31	–
CAT 50/PG 10 x 10" XL	8853.71081	16	42	28	10"	4"	31	–
CAT 50/PG 10 x 12" XL	8853.71131	16	42	28	12"	8"	31	–
CAT 50/PG 10 x 14" XL	8853.71181	16	42	28	14"	8"	31	–
CAT 50/PG 15 x 4" H	4350.71551	24	–	–	4"	–	–	405
CAT 50/PG 15 x 8" XL	8853.73031	24	42	28	8"	4"	55	–
CAT 50/PG 15 x 10" XL	8853.73081	24	42	28	10"	4"	55	–
CAT 50/PG 15 x 12" XL	8853.73131	24	42	28	12"	8"	55	–
CAT 50/PG 15 x 14" XL	8853.73181	24	42	28	14"	8"	55	–
CAT 50/PG 25 x 4" H	4350.72551	40	–	–	4"	–	–	505
CAT 50/PG 25 x 6" H	4350.72571	40	–	–	6"	–	–	505 / 405
CAT 50/PG 25 x 8.3" XL**	8853.76041	40	52	–	8.3"	4"	–	–
CAT 50/PG 25 x 10" XL	8853.76081	40	52	–	10"	4"	–	–
CAT 50/PG 25 x 14" XL	8853.76181	40	52	–	14"	8"	–	–
CAT 50/PG 32 x 3.1"	2350.73231	50	–	–	3.1"	–	–	–
CAT 50/PG 32 x 4.3" H	4350.73251	50	–	–	4.3"	–	–	505
CAT 50/PG 32 x 6" H	4350.73271	50	–	–	6"	–	–	505 / 505
CAT 50/PG 32 x 9.81" XL	8853.78071	50	58	–	9.81"	–	–	–
CAT 50/PG 32 x 11.51" XL	8853.78121	50	58	–	11.51"	–	–	–
CAT 50/PG 32 x 13.75" XL	8853.78171	50	58	–	13.75"	–	–	–
CAT 50/PG 32 x 15.45" XL	8853.78221	50	58	–	15.45"	–	–	–
CAT-B 50								
CAT-B 50/PG 25 x 4" H	4350.72554	40	–	–	4"	–	–	505
CAT-B 50/PG 25 x 6" H	4350.72574	40	–	–	6"	–	–	505 / 405
CAT-B 50/PG 32 x 4.3" H	4350.73254	50	–	–	4.3"	–	–	505
CAT-B 50/PG 32 x 6" H	4350.73274	50	–	–	6"	–	–	505 / 505

*Balancing rings H: Ready to accept balancing rings

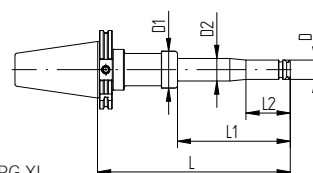
**USA only



CAT / PG



CAT-B / PG



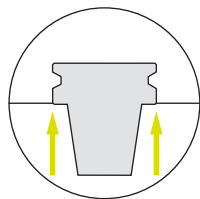
CAT / PG XL

REGO-FIX CAT+ dual contact toolholders

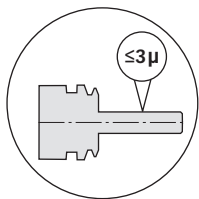
Certified The BIG PLUS SYSTEM – licensed by BIG Daishowa – is manufactured at REGO-FIX in Switzerland under license according to BIG PLUS specifications.



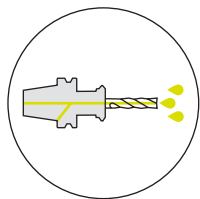
Key advantages



Higher toolholder stiffness due to taper (AT1) and face contact.



Total system runout TIR $\leq 3\mu\text{m}$ at 3xD.



Form AD+B as standard configuration.

Type	Part no.	Dimensions						Accessory
		D [mm]	D1 [mm]	D2 [mm]	L [inch]	L1 [inch]	L2 [mm]	FWR*
CAT+ 40**								
CAT+ 40/PG 10 x 3.5" H	4340.71006	16	–	–	3.5"	–	–	285
CAT+ 40/PG 10 x 6" H	4340.71076	16	–	–	6"	–	–	285
CAT+ 40/PG 15 x 3.15" H	4340.71546	24	–	–	3.15"	–	–	285
CAT+ 40/PG 15 x 6" H	4340.71576	24	–	–	6"	–	–	325/285
CAT+ 40/PG 25 x 3.15" H	4340.72546	40	–	–	3.15"	–	–	405
CAT+ 40/PG 25 x 6" H	4340.72576	40	–	–	6"	–	–	405/405
CAT+ 40/PG 32 x 3.5"	2340.73206	50	–	–	3.5"	–	–	–
CAT+ 40/PG 32 x 6" H	4340.73276	50	–	–	6"	–	–	505/405
CAT+ 50**								
CAT+ 50/PG 10 x 4" H	4350.71056	16	–	–	4"	–	–	405
CAT+ 50/PG 15 x 4" H	4350.71556	24	–	–	4"	–	–	405
CAT+ 50/PG 15 x 6" H	4350.71576	24	–	–	6"	–	–	405
CAT+ 50/PG 25 x 4" H	4350.72556	40	–	–	4"	–	–	505
CAT+ 50/PG 25 x 6" H	4350.72576	40	–	–	6"	–	–	505/405
CAT+ 50/PG 32 x 4.3" H	4350.73256	50	–	–	4.3"	–	–	505
CAT+ 50/PG 32 x 6" H	4350.73276	50	–	–	6"	–	–	505/505

*Balancing rings H: Ready to accept balancing rings

**USA only

REGO-FIX CAPTO toolholders

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

ISO 12164

Features and benefits

Total system runout TIR $\leq 3 \mu\text{m}$ @ 3xD

Our holistic system consists of a powRgrip® toolholder and collet. All components together ensure best runout and accuracy.

Toolholder runout TIR $\leq 1 \mu\text{m}$

Measured from collet cavity to outer taper.

Surface finish max. Ra 0.25

Achieve high clamping force and high transferable torque.

Balancing

100% balanced to G 2.5 @ 25,000 rpm / < 1gmm.

XL toolholders

Total system runout TIR $\leq 10 \mu\text{m}$

100% balanced to G 2.5 @ 5,000 rpm.

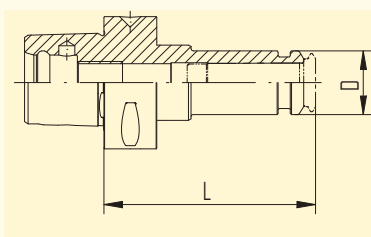
Hi-Q® balancing system

Ready to accept Hi-Q® balancing rings which allow for the offset of the imbalance introduced by the cutting tool up to 80,000 rpm depending on the balancing rings used. All toolholders with the additional type information "H" in the part number are designed for balancing rings.

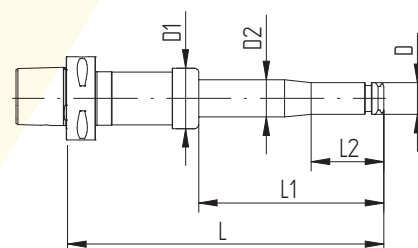
Vibration dampening

Our holders offer excellent vibration dampening to sustain a high surface finish and can prevent cutting force alterations.

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



C / PG



C / PG XL

Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR *
C3								
C3/PG 6 x 045	2803.70610	10	–	–	45	–	–	–
C3/PG 10 x 055	2803.71010	16	–	–	55	–	–	–
C3/PG 15 x 067	2803.71520	24	–	–	67	–	–	–
C4								
C4/PG 6 x 048	2804.70610	10	–	–	48	–	–	–
C4/PG 10 x 060	2804.71020	16	–	–	60	–	–	–
C4/PG 10 x 080 H	4804.71040	16	–	–	80	–	–	225
C4/PG 15 x 062	2804.71520	24	–	–	62	–	–	–
C4/PG 15 x 080 H	4804.71540	24	–	–	80	–	–	285
C5								
C5/PG 6 x 080 H	4805.70640	10	–	–	80	–	–	225
C5/PG 10 x 060	2805.71020	16	–	–	60	–	–	–
C5/PG 10 x 080 H	4805.71040	16	–	–	80	–	–	285
C5/PG 10 x 120 H	4805.71060	16	–	–	120	–	–	285
C5/PG 15 x 065	2805.71520	24	–	–	65	–	–	–
C5/PG 15 x 080 H	4805.71540	24	–	–	80	–	–	285
C5/PG 15 x 120 H	4805.71560	24	–	–	120	–	–	325
C5/PG 25 x 80	2805.72540	40	–	–	80	–	–	–
C5/PG 25 x 100 H	4805.72550	40	–	–	100	–	–	405
C6								
C6/PG 10 x 070	2806.71030	16	–	–	70	–	–	–
C6/PG 10 x 080 H	4806.71040	16	–	–	80	–	–	325
C6/PG 10 x 120 H	4806.71060	16	–	–	120	–	–	325
C6/PG 10 x 160 H	4806.71080	16	–	–	160	–	–	325
C6/PG 10 x 225 XL	8886.71050	16	46	28	225	140	31	–
C6/PG 10 x 240 XL	8886.71070	16	46	28	240	140	31	–
C6/PG 10 x 260 XL	8886.71090	16	46	28	260	140	31	–
C6/PG 10 x 300 XL	8886.71130	16	46	28	300	140	31	–
C6/PG 10 x 325 XL	8886.71150	16	46	28	325	240	31	–
C6/PG 10 x 340 XL	8886.71170	16	46	28	340	240	31	–
C6/PG 10 x 360 XL	8886.71190	16	46	28	360	240	31	–
C6/PG 10 x 400 XL	8886.71230	16	46	28	400	240	31	–

*Balancing rings H: Ready to accept balancing rings

All REGO-FIX CAPTO holders are also available with an ID chip hole on request

Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR *
C6/PG 15 x 071	2806.71530	24	–	–	71	–	–	–
C6/PG 15 x 080 H	4806.71540	24	–	–	80	–	–	325
C6/PG 15 x 120 H	4806.71560	24	–	–	120	–	–	325
C6/PG 15 x 160 H	4806.71580	24	–	–	160	–	–	325
C6/PG 15 x 225 XL	8886.73050	24	46	28	225	140	55	–
C6/PG 15 x 240 XL	8886.73070	24	46	28	240	140	55	–
C6/PG 15 x 260 XL	8886.73090	24	46	28	260	140	55	–
C6/PG 15 x 300 XL	8886.73130	24	46	28	300	140	55	–
C6/PG 15 x 325 XL	8886.73150	24	46	28	325	240	55	–
C6/PG 15 x 340 XL	8886.73170	24	46	28	340	240	55	–
C6/PG 15 x 360 XL	8886.73190	24	46	28	360	240	55	–
C6/PG 15 x 400 XL	8886.73230	24	46	28	400	240	55	–
C6/PG 25 x 085	2806.72540	40	–	–	85	–	–	–
C6/PG 25 x 100 H	4806.72550	40	–	–	100	–	–	405
C6/PG 25 x 120 H	4806.72560	40	–	–	120	–	–	405
C6/PG 25 x 160 H	4806.72580	40	–	–	160	–	–	405
C6/PG 25 x 230 XL	8886.76060	40	55	–	230	140	–	–
C6/PG 25 x 330 XL	8886.76160	40	55	–	330	240	–	–
C6/PG 32 x 090	2806.73240	50	–	–	90	–	–	–
C6/PG 32 x 230 XL	8886.78060	50	55	–	230	140	–	–
C6/PG 32 x 330 XL	8886.78160	50	55	–	330	240	–	–

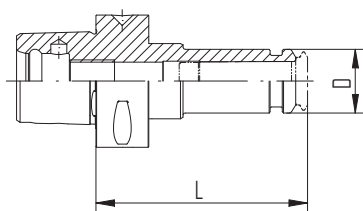
C8

C8/PG 10 x 232 XL	8888.71060	16	46	28	232	0.25 Pt	31	–
C8/PG 10 x 332 XL	8888.71160	16	46	28	332	240	31	–
C8/PG 15 x 232 XL	8888.73060	24	46	28	232	140	55	–
C8/PG 15 x 332 XL	8888.73160	24	46	28	332	240	55	–
C8/PG 25 x 092	2808.72540	40	–	–	92	–	–	–
C8/PG 25 x 230 XL	8888.76060	40	55	–	230	140	–	–
C8/PG 25 x 330 XL	8888.76160	40	55	–	330	240	–	–
C8/PG 32 x 090	2808.73240	50	–	–	90	–	–	–
C8/PG 32 x 230 XL	8888.78060	50	55	–	230	140	–	–
C8/PG 32 x 330 XL	8888.78160	50	55	–	330	240	–	–

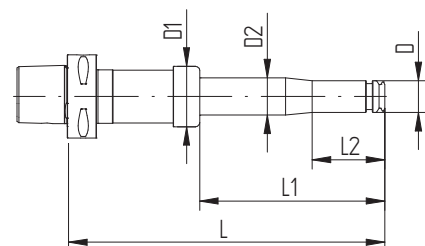
*Balancing rings H: Ready to accept balancing rings

All REGO-FIX CAPTO holders are also available with an ID chip hole on request

C/PG



C/PG XL



ISO 20 toolholder



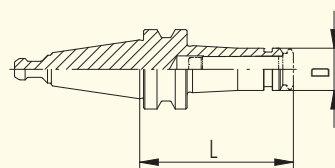
Applications The REGO-FIX ISO 20 toolholders are designed to work with the HAAS Office Mill. To utilize the full potential of your machine, use the REGO-FIX brand of holders and collets to see the difference quality can achieve in your machining operations.

Balancing

// 100% balanced to 50,000 rpm.

Matched tooling system for best fit For highest precision and best results the whole system counts. Therefore REGO-FIX components are carefully matched for optimum fit and accuracy. This guarantees the best runout and balance.

More information about the influence of TIR on tool life see page 269.



ISO/PG

Type	Part no.	Dimensions [mm]	
		D	L
ISO			
ISO 20/PG 6 x 075 HAAS*	8020.24207	10	75
ISO 20/PG 10 x 058 HAAS	2420.71015	16	58

*USA only

Cylindrical shank toolholders CYL

CYL

Features and benefits

Total system runout TIR $\leq 3 \mu\text{m}$ @ 3xD

Our holistic system consists of a powRgrip® toolholder and collet. All components together ensure best runout and accuracy.

Toolholder runout TIR $\leq 1 \mu\text{m}$

Measured from collet cavity to outer shank.

Surface finish max. Ra 0.25

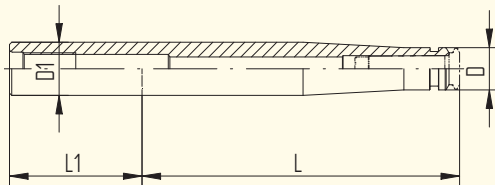
Achieve high clamping force and high transferable torque.

Minimal outside dimensions

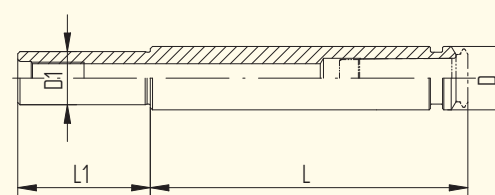
Slim design provides more machining flexibility.

Extra length possible

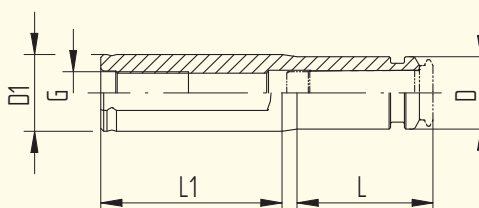
CYL 10/PG and CYL 20/PG can be used as extensions.



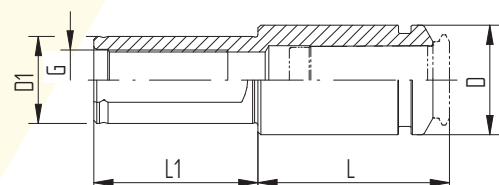
Drawing 1



Drawing 2



Drawing 3



Drawing 4



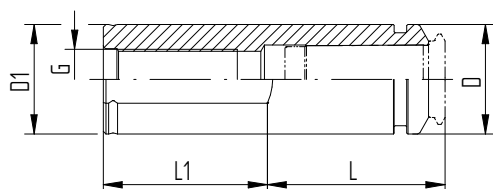
CYL toolholders

CYL

CYL-T

CYL-T toolholders (for turning applications)

Type	Part no.	Dimensions [mm]				G	Drawing
		D	L	L1	D1 h6		
CYL 10							
CYL 10/PG 6 x 120	2610.70620	10	120	30	10	M 5	1
CYL 10/PG 10 x 120	2610.71020	16	120	40	10	M 5	2
CYL 20							
CYL 20/PG 10 x 120	2620.71020	16	120	50	20	M 12 x 1	1
CYL 20/PG 10 x 160	2620.71040	16	160	50	20	M 12 x 1	1
CYL 20/PG 10 x 200	2620.71060	16	200	50	20	M 12 x 1	1
CYL 20/PG 15 x 120	2620.71520	24	120	50	20	M 12 x 1	1
CYL 25							
CYL 25/PG 15 x 160	2625.71540	24	160	56	25	M 12 x 1	1
CYL 25/PG 25 x 80*	8020.25080	40	80	56	25	M 12 x 1	4
CYL 25/PG 25 x 100*	8020.25100	40	100	56	25	M 12 x 1	4
CYL 25/PG 25 x 120*	8020.25120	40	120	56	25	M 12 x 1	4
*USA only							
CYL-T 25							
CYL-T 25/PG 15 x 045	2625.71522	24	45	60	25	M 14 x 1	3
CYL-T 1"							
CYL-T 1"/PG 15 x 045	2625.71523	24	45	60	25.4	M 14 x 1	3
CYL-T 1 1/4"							
CYL-T 1 1/4"/PG 15 x 045	2631.71523	24	45	60	31.75	M 14 x 1	3
CYL-T 1 1/4"/PG 25 x 070	2631.72543	40	70	60	31.75	M 22 x 1.5	4
CYL-T 32							
CYL-T 32/PG 15 x 045	2632.71522	24	45	60	32	M 14 x 1	4
CYL-T 32/PG 25 x 070	2632.72542	40	70	60	32	M 22 x 1.5	4
CYL-T 1 1/2"							
CYL-T 1 1/2"/PG 15 x 050	2638.71523	24	50	60	38.1	M 14 x 1	3
CYL-T 1 1/2"/PG 25 x 065	2638.72543	40	65	60	38.1	M 22 x 1.5	4
CYL-T 40							
CYL-T 40/PG 15 x 050	2640.71522	24	50	60	40	M 14 x 1	3
CYL-T 40/PG 25 x 065	2640.72542	40	65	60	40	M 22 x 1.5	5



Drawing 5

Form-fit for 100% pullout protection

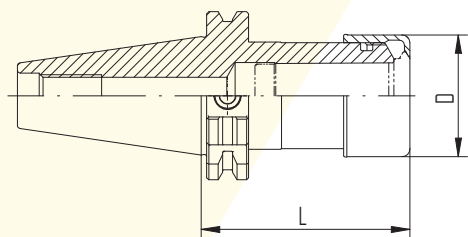
Form and force-fitting clamping system Tools and collets are 100% secured against tool pull-out, making secuRgrip® your safety net for successful machining. In high performance cutting (HPC), the tool can pull out of the clamping system during the milling operation and damage the workpiece. We developed the secuRgrip® locking system for operators who want to avoid any pull-out.

Process security Optimize your machining productivity by securing your processes.

Our secuRgrip® solution fits all standard tools with endmill flat according to DIN 6535-HB (metric). This means that no special tool shank form is required.

secuRgrip® system elements

- // secuRgrip® threaded insert
For all shanks with Weldon surface
- // secuRgrip® toolholder with thread
- // secuRgrip® PG 15-SG, PG 25-SG or PG 32-SG collet
For all secuRgrip® collet part numbers, please refer to page 61.
- // secuRgrip® safety nut



PG-SG

Expert advice

Freewheel wrench head, grip bar or torque wrench are required to safely fasten the nut.

For all secuRgrip® accessories part numbers, please refer to page 258.

Type	Part no.	Dimensions [mm]		Accessory
		D	L	FWR*
SK / PG-SG				
SK 40/PG 25-SG x 080 H	5240.72540	46	80	405
SK 40/PG 25-SG x 120 H	5240.72560	46	120	405
SK 40/PG 25-SG x 160 H	5240.72580	46	160	405 / 405
SK 40/PG 32-SG x 080	5240.73240	55	80	
SK 50/PG 32-SG x 080	5250.73240	55	80	–
BT / PG-SG				
BT 40/PG 25-SG x 080 H	5140.72540	46	80	405
BT 40/PG 25-SG x 120 H	5140.72560	46	120	405
BT 40/PG 32-SG x 086	5140.73240	55	86	–
BT 50/PG 25-SG x 100	5150.72550	46	100	–
BT 50/PG 25-SG x 120 H	5150.72560	46	120	505
BT 50/PG 32-SG x 100	5150.73250	55	100	–
BT+ / PG-SG				
BT+ 50/PG 25-SG x 120 H	5150.72566	46	120	505
HSK / PG-SG				
HSK-A 63/PG 25-SG x 100 H	5563.72550	46	100	405
HSK-A 63/PG 25-SG x 120 H	5563.72560	46	120	405
HSK-A 63/PG 25-SG x 160 H	5563.72580	46	160	405 / 405
HSK-A 63/PG 25-SG x 200 H	5563.72590	46	200	405 / 405
HSK-A 63/PG 32-SG x 100	5563.73250	55	100	–
HSK-A 63/PG 32-SG x 120 H	5563.73260	55	120	505
HSK-A 80/PG 32-SG x 105 H	5580.73250	55	105	505
HSK-A 100/PG 25-SG x 100 H	5500.72550	46	100	505
HSK-A 100/PG 25-SG x 160 H	5500.72580	46	160	505 / 405
HSK-A 100/PG 25-SG x 200 H	5500.72590	46	200	505 / 405
HSK-A 100/PG 32-SG x 106 H	5500.73250	55	106	505
HSK-A 100/PG 32-SG x 160 H	5500.73280	55	160	505
HSK-A 100/PG 32-SG x 200 H	5500.73290	55	200	505 / 505
C / PG-SG				
C6/PG 25-SG x 100	5806.72550	46	100	–
C6/PG 32-SG x 090	5806.73240	55	90	–
C8/PG 25-SG x 092	5808.72540	46	92	–
C8/PG 32-SG x 090	5808.73240	55	90	

*Balancing rings H: Ready to accept balancing rings

Included in delivery: secuRgrip® toolholder with secuRgrip® safety nut

Additional lengths and interfaces available on request

Type	Part no.	Dimensions [mm]		Accessory
		D	L	FWR*
CAT/PG-SG**				
CAT 40/PG 25-SG x 2.8"	5340.72531	46	2.8"	–
CAT 40/PG 25-SG x 3.15" H	5340.72541	46	3.15"	405
CAT 40/PG 25-SG x 4" H	5340.72551	46	4"	405
CAT 40/PG 25-SG x 6" H	5340.72571	46	6"	405/405
CAT 40/PG 32-SG x 3.5"	5340.73201	55	3.5"	–
CAT 40/PG 32-SG x 4.3" H	5340.73251	55	4.3"	505
CAT 40/PG 32-SG x 6" H	5340.73271	55	6"	505/505
CAT 50/PG 25-SG x 4" H	5350.72551	46	4"	405
CAT 50/PG 25-SG x 6" H	5350.72571	46	6"	405/405
CAT 50/PG 32-SG x 3.1" H	5350.73231	55	3.1"	505
CAT 50/PG 32-SG x 4.3" H	5350.73251	55	4.3"	505
CAT 50/PG 32-SG x 6" H	5350.73271	55	6"	505/505
CAT-B/PG-SG**				
CAT-B 40/PG 25-SG x 3.15" H	5340.72544	46	3.15"	405
CAT-B 40/PG 25-SG x 4" H	5340.72554	46	4"	405
CAT-B 40/PG 25-SG x 6" H	5340.72574	46	6"	405/405
CAT-B 40/PG 32-SG x 4.3" H	5340.73254	55	4.3"	505
CAT-B 40/PG 32-SG x 6" H	5340.73274	55	6"	505/505
CAT-B 50/PG 25-SG x 4" H	5350.72554	46	4"	405
CAT-B 50/PG 25-SG x 6" H	5350.72574	46	6"	405/405
CAT-B 50/PG 32-SG x 4.3" H	5350.73254	55	4.3"	505
CAT-B 50/PG 32-SG x 6" H	5350.73274	55	6"	505/505
CAT+/PG-SG**				
CAT+ 40/PG 25-SG x 3.15" H	5340.72546	46	3.15"	405
CAT+ 40/PG 25-SG x 6" H	5340.72576	46	6"	405/405
CAT+ 40/PG 32-SG x 3.5"	5340.73206	55	3.5"	–
CAT+ 40/PG 32-SG x 6" H	5340.73276	55	6"	505/505
CAT+ 50/PG 25-SG x 4" H	5350.72556	46	4"	405
CAT+ 50/PG 25-SG x 6" H	5350.72576	46	6"	405/405
CAT+ 50/PG 32-SG x 4.3" H	5350.73256	55	4.3"	505
CAT+ 50/PG 32-SG x 6" H	5350.73276	55	6"	505/505

*Balancing rings H: Ready to accept balancing rings

**USA only

Included in delivery: secuRgrip® toolholder with secuRgrip® safety nut

Additional lengths and interfaces available on request

Heavy Duty secuRgrip® Toolholders

PG-HD-SG

powRgrip®

PG HD-SG Holders Heavy Duty secuRgrip® toolholders are up to two times more rigid than standard holders. They include secuRgrip® safety nut for 100% protection against tool pullout.

Features

- // Includes secuRgrip® design to prevent pullout
- // Most designs retain the use of balance rings
- // Fits existing powRgrip® clamping units

Key Advantages

- // Up to 2 times more rigid than standard holders
- // Increases feed rates to maximize tooling efficiency
- // Better surface finish with less deflection



Type	Part no.	Dimensions [mm]		Accessory
		D	L	FWR*
HSK-A/PG HD-SG				
HSK-A 63/PG 25 HD-SG x 100 H	5563.82550	46	100	405
HSK-A 100/PG 25 HD-SG x 100 H	5500.82550	46	100	405
HSK-A 100/PG 32 HD-SG x 106 H	5500.83250	55	106	505
HSK-A 125/PG 25 HD-SG x 105 H	5502.82550	46	105	405
HSK-A 125/PG 32 HD-SG x 112 H	5502.83250	55	112	505
HSK-FP 80				
HSK-FP 80/PG 25 HD-SG x 085 H K	8070.80250	40	85	405
HSK-FP 80/PG 32 HD-SG x 095 H	8070.80320	50	95	505
CAT/PG HD-SG**				
CAT 50/PG 25 HD-SG x 6" H	5350.82571	46	6"	405
CAT 50/PG 32 HD-SG x 4.3" H	5350.83251	55	4.3"	505
CAT 50/PG 32 HD-SG x 6" H	5350.83271	55	6"	505

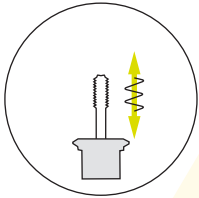
*Balancing rings H: Ready to accept balancing rings

**USA only

PG thread-cutting solutions

CYL SSY/HSK-A SSY Softsynchro® tapping holder

- // With **minimum length compensation**
- // Eliminates small synchronization errors of machines (Rigid Tapping)

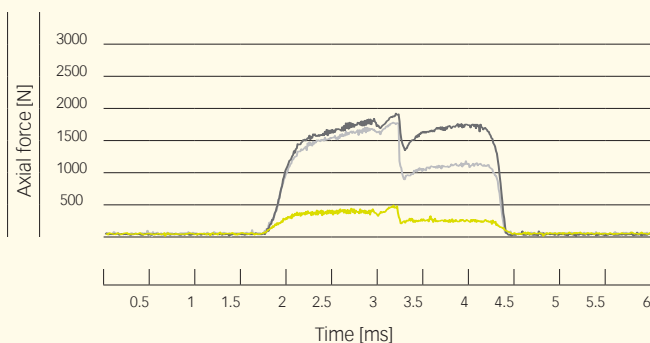


Applications

- // Machines for direct thread cutting
- // For all tapping tools with h9 shanks
- // The turning movement of the spindles can be offset with the feed axis and thus synchronized
- // Synchronization errors are created by the dynamics of the spindle and linear drives. The tapping holder is equipped with the minimum length compensation and compensates the synchronization errors
- // Depending on the application, the service life for the customer can be increased by up to 150%
- // Guides coolant with up to 50 bar / 725 PSI of pressure to the tap, without compromising length compensation

Comparative axial force testing

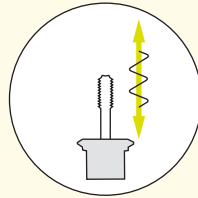
Occurring axial forces with thread forms M10 in St37, Speed 500 rpm.
Source: In-house testing



Summary The axial forces increase with increasing speed. With a rigid toolholder, the forces occurring when forming threads are considerably higher than with the Softsynchro® tapping holder. This allows for the optimum use of the synchronous spindle with the best possible service life and thread surface quality.

CYL GSF tapping holder

- // With **length compensation**
- // Used on machines in which the feed movement is not synchronized with the thread pitch during processing

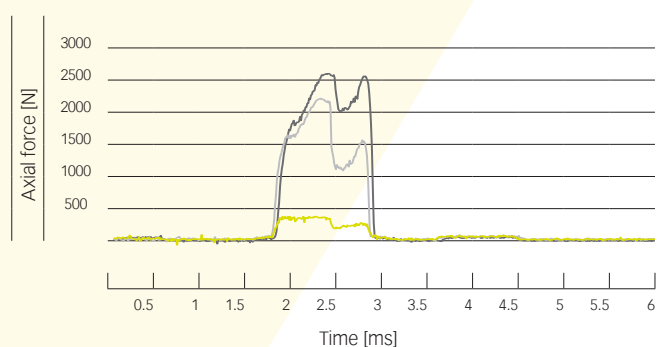


Applications

- // For machines without a tapping option
- // Ensures the compensation of differences between the thread pitch and spindle feed
- // Features a pressure-point mechanism
- // Safe tap cutting
- // Uniform, reproducible thread depths
- // Guides coolant with up to 50 bar / 725 PSI of pressure to the tap, without compromising length compensation
- // Universal use thanks to its compact design and low gauge length

Comparative axial force testing

Occurring axial forces with thread forms M10 in St37, Speed 2.000 rpm.
Source: In-house testing



- REGO-FIX Softsynchro® tapping holders
- Competitor synchronous toolholder
- Rigid synchronous toolholder

PG tapping holders

HSK-A SSY

69893-A

ISO 12164

CYL SSY

DIN 1835 B+E

CYL GSF

DIN 1835 B+E

Type	Part no.	Dimensions [mm]		Compression	Tension
		D	L	[mm]	[mm]
HSK-A SSY					
HSK-A 63 SSY / PG 15	2563.61507	24	114.5	0.5	0.5
HSK-A 63 SSY / PG 25	2563.62507	40	131	0.5	0.5

For tapping collets, please refer to page 62

Type	Part no.	Dimensions [mm]				Compression	Tension
		D	D1	L	L1	[mm]	[mm]
CYL SSY							
CYL 25 SSY / PG 15	2625.61507	24	25	92	57	0.5	0.5
CYL 25 SSY / PG 25	2625.62507	40	25	109.5	57	0.5	0.5

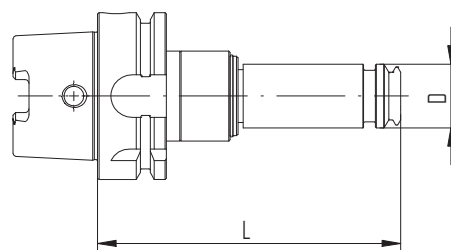
For tapping collets, please refer to page 62

Type	Part no.	Dimensions [mm]				Compression	Tension
		D	D1	L	L1	[mm]	[mm]
CYL GSF							
CYL 25 GSF / PG 15	2625.61508	24	25	99.5	57	5	7.5
CYL 25 GSF / PG 25	2625.62508	40	25	134	57	7	10

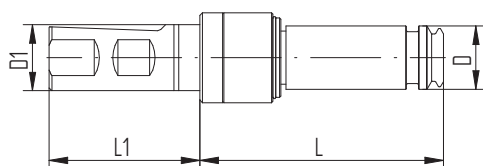
For tapping collets, please refer to page 62



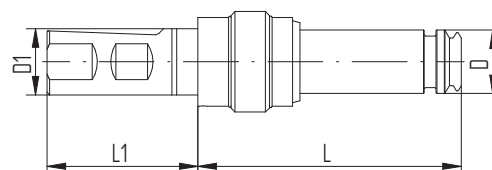
HSK-A SSY / CYL SSY / CYL GSF



HSK-A 63 SSY / PG



CYL 25 SSY / PG

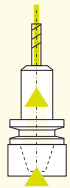


CYL 25 GSF / PG

Micro machining	Standard	Cooling	Long shanks	Short shanks	Turning collets	Pullout protection secuRgrip®	Collets for tapping
PG-MB	PG	PG-CF	PG-L	PG-S	PG-T	PG-SG	PG-TAP
							
page 50	page 51	page 54	page 57	page 58	page 60	page 61	page 62



powRgrip® collets in Swiss quality

									
	MB	Std.	CF	L	S	T	SG	TAP	MQL*
	micro-bore	standard	coolant flush	long	short	turning applications	secuRgrip®	tapping collet	minimum quantity lubrication
Main machining use	micro-machining	general machining	peripheral cooling	longer than DIN 6535	shorter than DIN 6535	turning	heavy machining	rigid tapping	milling
PG size	6–10	6–32	6–32	15–32	10–32	15–25	15–32	15–25	15–32
Shaft diameter range	0.2–1.5	2–25.4	2–25.4	4–25.4	3–25.4	5–20	10–25.4	3.5–16	5–25.4
Shaft tolerance	h6	h6	h6	h6	h6	h6	h6	h9	h6
For tools with internal coolant supply	–	•	–	•	•	•	•	•	•
Metallic sealed	–	•	–	•	•	•	•	•	•
Internal square	–	–	–	–	–	–	–	•	–
secuRgrip® thread to prevent tool pullout	–	–	–	–	–	–	•	–	–
Technical illustration of cooling	–								
Warranty	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years
	20,000 Cycles	20,000 Cycles	20,000 Cycles	20,000 Cycles	20,000 Cycles	20,000 Cycles	20,000 Cycles	20,000 Cycles	20,000 Cycles
Additional features	Length can be pre-adjusted with VEW	Length can be pre-adjusted with VEW	Length can be pre-adjusted with VEW	Without stop screw	Length can be pre-adjusted with VEW	With adjustable sidescrew	For all tools with endmill flat as per DIN 535-HB	Length can be pre-adjusted with VEW	for MQL

*MQL and CRYO-compatible collets available on request

Type	Part no.	[mm]	[decimal inch]	[inch]
PG 6-MB [mm]				
Ø 0.2 mm	1706.00209	0.2	0.0079	—
Ø 0.3 mm	1706.00309	0.3	0.0118	—
Ø 0.4 mm	1706.00409	0.4	0.0157	—
Ø 0.5 mm	1706.00509	0.5	0.0197	—
Ø 0.6 mm	1706.00609	0.6	0.0236	—
Ø 0.7 mm	1706.00709	0.7	0.0276	—
Ø 0.8 mm	1706.00809	0.8	0.0315	—
Ø 0.9 mm	1706.00909	0.9	0.0354	—
Ø 1.0 mm	1706.01009	1.0	0.0394	—
Ø 1.5 mm	1706.01509	1.5	0.0591	—
PG 6-MB [inch]				
Ø 1/16"	1706.01599	1.5875	0.0625	1/16"
PG 10-MB [mm]				
Ø 0.2 mm	1710.00209	0.2	0.0079	—
Ø 0.3 mm	1710.00309	0.3	0.0118	—
Ø 0.4 mm	1710.00409	0.4	0.0157	—
Ø 0.5 mm	1710.00509	0.5	0.0197	—
Ø 0.6 mm	1710.00609	0.6	0.0236	—
Ø 0.7 mm	1710.00709	0.7	0.0276	—
Ø 0.8 mm	1710.00809	0.8	0.0315	—
Ø 0.9 mm	1710.00909	0.9	0.0354	—
Ø 1.0 mm	1710.01009	1.0	0.0394	—
Ø 1.5 mm	1710.01509	1.5	0.0591	—
PG 10-MB [inch]				
Ø 1/16"	1710.01589	1.5875	0.0625	1/16"



PG standard collets

PG Std.

powRgrip®

		Ø		
Type	Part no.	[mm]	[decimal inch]	[inch]
PG 6 [mm]				
Ø 2.0 mm	1706.02000	2.0	0.0787	–
Ø 2.5 mm	1706.02500	2.5	0.0984	–
Ø 3.0 mm	1706.03000	3.0	0.1181	–
Ø 4.0 mm	1706.04000	4.0	0.1574	–

PG 6 [inch]				
Ø 1/8"	1706.03181	3.175	0.125	1/8"

PG 10 [mm]				
Ø 2.0 mm	1710.02000	2.0	0.0787	–
Ø 2.5 mm	1710.02500	2.5	0.0984	–
Ø 3.0 mm	1710.03000	3.0	0.1181	–
Ø 3.5 mm	1710.03500	3.5	0.1378	–
Ø 4.0 mm	1710.04000	4.0	0.1575	–
Ø 4.5 mm	1710.04500	4.5	0.1772	–
Ø 5.0 mm	1710.05000	5.0	0.1969	–
Ø 5.5 mm	1710.05500	5.5	0.2165	–
Ø 6.0 mm	1710.06000	6.0	0.2362	–

PG 10 [inch]				
Ø 1/8"	1710.03181	3.175	0.125	1/8"
Ø 3/16"	1710.04761	4.763	0.1875	3/16"
Ø 1/4"	1710.06351	6.35	0.25	1/4"

PG 15 [mm]				
Ø 3.0 mm	1715.03000	3.0	0.1181	–
Ø 3.5 mm	1715.03500	3.5	0.1378	–
Ø 4.0 mm	1715.04000	4.0	0.1575	–
Ø 4.5 mm	1715.04500	4.5	0.1772	–
Ø 5.0 mm	1715.05000	5.0	0.1969	–
Ø 5.5 mm	1715.05500	5.5	0.2165	–
Ø 6.0 mm	1715.06000	6.0	0.2362	–
Ø 7.0 mm	1715.07000	7.0	0.2756	–
Ø 8.0 mm	1715.08000	8.0	0.315	–
Ø 9.0 mm	1715.09000	9.0	0.3543	–
Ø 10.0 mm	1715.10000	10.0	0.3937	–

PG 15-TW [mm]				
PG 15-TW Ø 12.00	1715.12006	12.0	0.4724	–

TW: Thin-wall collets are guaranteed 1 year or 2000 clamping cycles

Type	Part no.	[mm]	[decimal inch]	Ø [inch]
PG 15 [inch]				
Ø 1/8"	1715.03181	3.175	0.125	1/8"
Ø 3/16"	1715.04761	4.763	0.1875	3/16"
Ø 1/4"	1715.06351	6.35	0.25	1/4"
Ø 5/16"	1715.07941	7.938	0.3125	5/16"
Ø 3/8"	1715.09521	9.525	0.375	3/8"

PG 15-TW [inch]				
PG 15-TW Ø 1/2"	1715.12706	12.7	0.5	1/2"

TW: Thin-wall collets are guaranteed 1 year or 500 clamping cycles

PG 25 [mm]				
Ø 3.0 mm	1725.03000	3.0	0.1181	–
Ø 3.5 mm	1725.03500	3.5	0.1378	–
Ø 4.0 mm	1725.04000	4.0	0.1575	–
Ø 4.5 mm	1725.04500	4.5	0.1772	–
Ø 5.0 mm	1725.05000	5.0	0.1969	–
Ø 5.5 mm	1725.05500	5.5	0.2165	–
Ø 6.0 mm	1725.06000	6.0	0.2362	–
Ø 7.0 mm	1725.07000	7.0	0.2756	–
Ø 8.0 mm	1725.08000	8.0	0.315	–
Ø 9.0 mm	1725.09000	9.0	0.3543	–
Ø 10.0 mm	1725.10000	10.0	0.3937	–
Ø 11.0 mm	1725.11000	11.0	0.4331	–
Ø 12.0 mm	1725.12000	12.0	0.4724	–
Ø 13.0 mm	1725.13000	13.0	0.5118	–
Ø 14.0 mm	1725.14000	14.0	0.5512	–
Ø 15.0 mm	1725.15000	15.0	0.5906	–
Ø 16.0 mm	1725.16000	16.0	0.63	–
Ø 18.0 mm	1725.18000	18.0	0.7087	–
Ø 20.0 mm	1725.20000	20.0	0.7874	–

PG 25 [inch]				
Ø 1/8"	1725.03181	3.175	0.125	1/8"
Ø 3/16"	1725.04761	4.763	0.1875	3/16"
Ø 1/4"	1725.06351	6.35	0.25	1/4"
Ø 5/16"	1725.07941	7.938	0.3125	5/16"
Ø 3/8"	1725.09521	9.525	0.375	3/8"
Ø 7/16"	1725.11111	11.113	0.4375	7/16"
Ø 1/2"	1725.12701	12.7	0.5	1/2"
Ø 9/16"	1725.14291	14.288	0.5625	9/16"
Ø 5/8"	1725.15881	15.875	0.625	5/8"
Ø 3/4"	1725.19051	19.05	0.75	3/4"

Type	Part no.	Ø		
		[mm]	[decimal inch]	[inch]
PG 32 [mm]				
Ø 6.0 mm	1732.06000	6.0	0.2362	–
Ø 7.0 mm	1732.07000	7.0	0.2756	–
Ø 8.0 mm	1732.08000	8.0	0.315	–
Ø 9.0 mm	1732.09000	9.0	0.3543	–
Ø 10.0 mm	1732.10000	10.0	0.3937	–
Ø 11.0 mm	1732.11000	11.0	0.4331	–
Ø 12.0 mm	1732.12000	12.0	0.4724	–
Ø 14.0 mm	1732.14000	14.0	0.5512	–
Ø 16.0 mm	1732.16000	16.0	0.63	–
Ø 18.0 mm	1732.18000	18.0	0.7087	–
Ø 20.0 mm	1732.20000	20.0	0.7874	–
Ø 22.0 mm	1732.22000	22.0	0.8661	–
Ø 25.0 mm	1732.25000	25.0	0.9843	–

PG 32 [inch]				
Ø 1/4"	1732.06351	6.35	0.25	1/4"
Ø 5/16"	1732.07941	7.938	0.3125	5/16"
Ø 3/8"	1732.09521	9.525	0.375	3/8"
Ø 7/16"	1732.11111	11.113	0.4375	7/16"
Ø 1/2"	1732.12701	12.7	0.5	1/2"
Ø 9/16"	1732.14291	14.288	0.5625	9/16"
Ø 5/8"	1732.15881	15.875	0.625	5/8"
Ø 3/4"	1732.19051	19.05	0.75	3/4"
Ø 7/8"	1732.22231	22.225	0.875	7/8"
Ø 1"	1732.25401	25.4	1.0	1"



Type	Part no.	[mm]	[decimal inch]	[inch]
PG 6-CF [mm]				
Ø 2.0 mm	1706.02002	2.0	0.0787	–
Ø 3.0 mm	1706.03002	3.0	0.1181	–
PG 6-CF [inch]				
Ø 1/8"	1706.03183	3.175	0.125	1/8"
PG 10-CF [mm]				
Ø 2.0 mm	1710.02002	2.0	0.0787	–
Ø 2.5 mm	1710.02502	2.5	0.0984	–
Ø 3.0 mm	1710.03002	3.0	0.1181	–
Ø 4.0 mm	1710.04002	4.0	0.1575	–
Ø 5.0 mm	1710.05002	5.0	0.1969	–
Ø 6.0 mm	1710.06002	6.0	0.2362	–
PG 10-CF [inch]				
Ø 1/8"	1710.03183	3.175	0.125	1/8"
Ø 3/16"	1710.04763	4.763	0.1875	3/16"
Ø 1/4"	1710.06353	6.35	0.25	1/4"
PG 15-CF [mm]				
Ø 3.0 mm	1715.03002	3.0	0.1181	–
Ø 4.0 mm	1715.04002	4.0	0.1575	–
Ø 5.0 mm	1715.05002	5.0	0.1969	–
Ø 6.0 mm	1715.06002	6.0	0.2362	–
Ø 7.0 mm	1715.07002	7.0	0.2756	–
Ø 8.0 mm	1715.08002	8.0	0.315	–
Ø 9.0 mm	1715.09002	9.0	0.3543	–
Ø 10.0 mm	1715.10002	10.0	0.3937	–
PG 15-CF [inch]				
Ø 1/8"	1715.03183	3.175	0.125	1/8"
Ø 3/16"	1715.04763	4.763	0.1875	3/16"
Ø 1/4"	1715.06353	6.35	0.25	1/4"
Ø 5/16"	1715.07943	7.938	0.3125	5/16"
Ø 3/8"	1715.09523	9.525	0.375	3/8"

Type	Part no.	Ø		
		[mm]	[decimal inch]	[inch]
PG 25-CF [inch]				
Ø 3.0 mm	1725.03002	3.0	0.1181	–
Ø 4.0 mm	1725.04002	4.0	0.1575	–
Ø 5.0 mm	1725.05002	5.0	0.1969	–
Ø 6.0 mm	1725.06002	6.0	0.2362	–
Ø 7.0 mm	1725.07002	7.0	0.2756	–
Ø 8.0 mm	1725.08002	8.0	0.315	–
Ø 9.0 mm	1725.09002	9.0	0.3543	–
Ø 10.0 mm	1725.10002	10.0	0.3937	–
Ø 11.0 mm	1725.11002	11.0	0.4331	–
Ø 12.0 mm	1725.12002	12.0	0.4724	–
Ø 13.0 mm	1725.13002	13.0	0.5118	–
Ø 14.0 mm	1725.14002	14.0	0.5512	–
Ø 15.0 mm	1725.15002	15.0	0.5906	–
Ø 16.0 mm	1725.16002	16.0	0.63	–
Ø 18.0 mm	1725.18002	18.0	0.7087	–
Ø 20.0 mm	1725.20002	20.0	0.7874	–
PG 25-CF [inch]				
Ø 1/8"	1725.03183	3.175	0.125	1/8"
Ø 3/16"	1725.04763	4.763	0.1875	3/16"
Ø 1/4"	1725.06353	6.35	0.25	1/4"
Ø 5/16"	1725.07943	7.938	0.3125	5/16"
Ø 3/8"	1725.09523	9.525	0.375	3/8"
Ø 7/16"	1725.11113	11.113	0.4375	7/16"
Ø 1/2"	1725.12703	12.7	0.5	1/2"
Ø 9/16"	1725.14293	14.288	0.5625	9/16"
Ø 5/8"	1725.15883	15.875	0.625	5/8"
Ø 3/4"	1725.19053	19.05	0.75	3/4"



Type	Part no.	[mm]	[decimal inch]	[inch]
PG 32-CF [mm]				
Ø 6.0 mm	1732.06002	6.0	0.2362	—
Ø 7.0 mm	1732.07002	7.0	0.2756	—
Ø 8.0 mm	1732.08002	8.0	0.315	—
Ø 9.0 mm	1732.09002	9.0	0.3543	—
Ø 10.0 mm	1732.10002	10.0	0.3937	—
Ø 11.0 mm	1732.11002	11.0	0.4331	—
Ø 12.0 mm	1732.12002	12.0	0.4724	—
Ø 14.0 mm	1732.14002	14.0	0.5512	—
Ø 16.0 mm	1732.16002	16.0	0.63	—
Ø 18.0 mm	1732.18002	18.0	0.7087	—
Ø 20.0 mm	1732.20002	20.0	0.7874	—
Ø 22.0 mm	1732.22002	22.0	0.8661	—
Ø 25.0 mm	1732.25002	25.0	0.9843	—
PG 32-CF [inch]				
Ø 1/4"	1732.06353	6.35	0.25	1/4"
Ø 5/16"	1732.07943	7.938	0.3125	5/16"
Ø 3/8"	1732.09523	9.525	0.375	3/8"
Ø 7/16"	1732.11113	11.113	0.4375	7/16"
Ø 1/2"	1732.12703	12.7	0.5	1/2"
Ø 9/16"	1732.14293	14.288	0.5625	9/16"
Ø 5/8"	1732.15883	15.875	0.625	5/8"
Ø 3/4"	1732.19053	19.05	0.75	3/4"
Ø 7/8"	1732.22233	22.225	0.875	7/8"
Ø 1"	1732.25403	25.4	1.0	1"



Long shank collets PG-L

PG-L

powRgrip®

Type	Part no.	Ø		
		[mm]	[decimal inch]	[inch]
PG 15-L [mm]				
Ø 4.0 mm	1715.04001	4.0	0.1575	–
Ø 5.0 mm	1715.05001	5.0	0.1969	–
Ø 6.0 mm	1715.06001	6.0	0.2362	–
Ø 8.0 mm	1715.08001	8.0	0.315	–
Ø 10.0 mm	1715.10001	10.0	0.3937	–

PG 15-L [inch]				
Ø 1/4"	1715.06350	6.35	0.25	1/4"
Ø 5/16"	1715.07940	7.94	0.3126	5/16"
Ø 3/8"	1715.09520	9.52	0.3748	3/8"

PG 25-L [mm]				
Ø 6.0 mm	1725.06001	6.0	0.2362	–
Ø 8.0 mm	1725.08001	8.0	0.315	–
Ø 10.0 mm	1725.10001	10.0	0.3937	–
Ø 12.0 mm	1725.12001	12.0	0.4724	–
Ø 14.0 mm	1725.14001	14.0	0.5512	–
Ø 16.0 mm	1725.16001	16.0	0.6299	–
Ø 20.0 mm	1725.20001	20.0	0.7874	–

PG 25-L [inch]				
Ø 1/4"	1725.06350	6.35	0.25	1/4"
Ø 5/16"	1725.07940	7.94	0.3126	5/16"
Ø 3/8"	1725.09520	9.52	0.3748	3/8"
Ø 1/2"	1725.12700	12.7	0.5	1/2"
Ø 5/8"	1725.15880	15.88	0.6252	5/8"
Ø 3/4"	1725.19050	19.05	0.75	3/4"

PG 32-L [mm]				
Ø 12.0 mm	1732.12001	12.0	0.4724	–
Ø 16.0 mm	1732.16001	16.0	0.6299	–
Ø 20.0 mm	1732.20001	20.0	0.7874	–
Ø 25.0 mm	1732.25001	25.0	0.9843	–

PG 32-L [inch]				
Ø 1/2"	1732.12700	12.7	0.5	1/2"
Ø 3/4"	1732.19050	19.05	0.75	3/4"
Ø 1"	1732.25400	25.4	1.0	1"



Type	Part no.	[mm]	[decimal inch]	[inch]
PG 6-S [mm]				
Ø 3.0 mm	1706.03008	3.0	0.1181	–
PG 6-S [Inch]				
Ø 1/8"	1706.03188	3.175	0.125	1/8"
PG 10-S [mm]				
Ø 3.0 mm	1710.03008	3.0	0.1181	–
Ø 4.0 mm	1710.04008	4.0	0.1575	–
Ø 6.0 mm	1710.06008	6.0	0.2362	–
PG 10-S [Inch]				
Ø 1/8"	1710.03188	3.175	0.125	1/8"
Ø 3/16"	1710.04768	4.763	0.1875	3/16"
Ø 1/4"	1710.06358	6.35	0.25	1/4"
PG 15-S [mm]				
Ø 4.0 mm	1715.04008	4.0	0.1575	–
Ø 5.0 mm	1715.05008	5.0	0.1969	–
Ø 6.0 mm	1715.06008	6.0	0.2362	–
Ø 8.0 mm	1715.08008	8.0	0.315	–
Ø 10.0 mm	1715.10008	10.0	0.3937	–
PG 15-S [Inch]				
Ø 1/8"	1715.03188	3.175	0.125	1/8"
Ø 3/16"	1715.04768	4.763	0.1875	3/16"
Ø 1/4"	1715.06358	6.35	0.25	1/4"
Ø 5/16"	1715.07948	7.94	0.3126	5/16"
Ø 3/8"	1715.09528	9.52	0.3748	3/8"
PG 25-S [mm]				
Ø 4.0 mm	1725.04008	4.0	0.1575	–
Ø 6.0 mm	1725.06008	6.0	0.2362	–
Ø 8.0 mm	1725.08008	8.0	0.315	–
Ø 10.0 mm	1725.10008	10.0	0.3937	–
Ø 12.0 mm	1725.12008	12.0	0.4724	–
Ø 14.0 mm	1725.14008	14.0	0.5512	–
Ø 16.0 mm	1725.16008	16.0	0.6299	–
Ø 20.0 mm	1725.20008	20.0	0.7874	–

Type	Part no.	Ø		
		[mm]	[decimal inch]	[inch]
PG 25-S [Inch]				
Ø 1/8"	1725.03188	3.175	0.125	1/8"
Ø 3/16"	1725.04768	4.763	0.1875	3/16"
Ø 1/4"	1725.06358	6.358	0.2503	1/4"
Ø 5/16"	1725.07948	7.94	0.3126	5/16"
Ø 3/8"	1725.09528	9.52	0.3748	3/8"
Ø 1/2"	1725.12708	12.7	0.5	1/2"
Ø 5/8"	1725.15888	15.88	0.6252	5/8"
Ø 3/4"	1725.19058	19.05	0.75	3/4"

PG 32-S [mm]				
Ø 12.0 mm	1732.12008	12.0	0.4724	–
Ø 16.0 mm	1732.16008	16.0	0.6299	–
Ø 20.0 mm	1732.20008	20.0	0.7874	–
Ø 25.0 mm	1732.25008	25.0	0.9843	–

PG 32-S [Inch]				
Ø 1/2"	1732.12708	12.7	0.5	1/2"
Ø 3/4"	1732.19058	19.05	0.75	3/4"
Ø 1"	1732.25408	25.4	1.0	1"



				Ø	Accessory
Type	Part no.	[mm]	[decimal inch]	[inch]	Wrench
PG 15-T [mm]					
Ø 5.0 mm	1715.05007	5.0	0.1969	–	TORX T 6
Ø 6.0 mm	1715.06007	6.0	0.2362	–	TORX T 6
Ø 8.0 mm	1715.08007	8.0	0.315	–	TORX T 6
Ø 10.0 mm	1715.10007	10.0	0.3937	–	TORX T 6

PG 15-T [Inch]					
Ø 1/4"	1715.06357	6.35	0.25	1/4"	TORX T 6
Ø 3/8"	1715.09537	9.525	0.375	3/8"	TORX T 6

PG 25-T [mm]					
Ø 5.0 mm	1725.05007	5.0	0.1969	–	TORX T 8
Ø 6.0 mm	1725.06007	6.0	0.2362	–	TORX T 8
Ø 8.0 mm	1725.08007	8.0	0.315	–	TORX T 8
Ø 10.0 mm	1725.10007	10.0	0.3937	–	TORX T 8
Ø 12.0 mm	1725.12007	12.0	0.4724	–	TORX T 8
Ø 16.0 mm	1725.16007	16.0	0.6299	–	TORX T 8
Ø 20.0 mm	1725.20007	20.0	0.7874	–	TORX T 8

PG 25-T [Inch]					
Ø 1/4"	1725.06357	6.35	0.25	1/4"	TORX T 8
Ø 3/8"	1725.09537	9.525	0.375	3/8"	TORX T 8
Ø 1/2"	1725.12707	12.7	0.5	1/2"	TORX T 8
Ø 3/4"	1725.19057	19.05	0.75	3/4"	TORX T 8

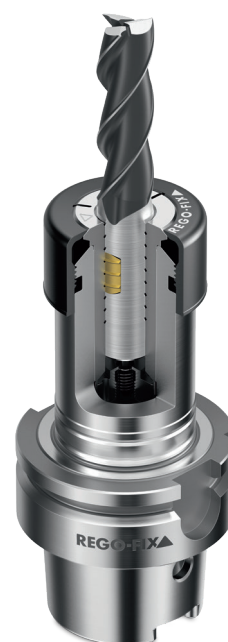


Type	Part no.	Use for
Wrenches for PG-T		
TORX T 6	7693.06000	PG 15-T
TORX T 8	7693.08000	PG 25-T

Expert advice

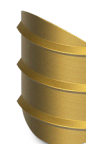
The torque screwdriver is a special TORX style wrench that is preset to the recommended torque rating of 0.9 Nm for tightening the REGO-FIX PG-T collets.

Type	Part no.	[mm]	[decimal inch]	[inch]
PG 15-SG [mm]				
Ø 10.0 mm	1715.10004	10.0	0.3937	–
PG 25-SG [mm]				
Ø 10.0 mm	1725.10004	10.0	0.3937	–
Ø 12.0 mm	1725.12004	12.0	0.4724	–
Ø 14.0 mm	1725.14004	14.0	0.5512	–
Ø 16.0 mm	1725.16004	16.0	0.63	–
Ø 18.0 mm	1725.18004	18.0	0.7087	–
Ø 20.0 mm	1725.20004	20.0	0.7874	–
PG 25-SG [Inch]				
Ø 1/2"	1725.12704	12.7	0.5	1/2"
Ø 5/8"	1725.15884	15.875	0.625	5/8"
Ø 3/4"	1725.19054	19.05	0.75	3/4"
PG 32-SG [mm]				
Ø 10.0 mm	1732.10004	10.0	0.3937	–
Ø 12.0 mm	1732.12004	12.0	0.4724	–
Ø 14.0 mm	1732.14004	14.0	0.5512	–
Ø 16.0 mm	1732.16004	16.0	0.63	–
Ø 18.0 mm	1732.18004	18.0	0.7087	–
Ø 20.0 mm	1732.20004	20.0	0.7874	–
Ø 25.0 mm	1732.25004	25.0	0.9843	–
PG 32-SG [Inch]				
Ø 1/2"	1732.12704	12.7	0.5	1/2"
Ø 5/8"	1732.15884	15.875	0.625	5/8"
Ø 3/4"	1732.19054	19.05	0.75	3/4"
Ø 1"	1732.25404	25.4	1.0	1"
Threaded insert SGI [mm]		Threaded insert SGI [inch]		
Ø 10.0 mm	7694.10000	Ø 1/2"	7694.12700	
Ø 12.0 mm	7694.12000	Ø 5/8"	7694.15880	
Ø 14.0 mm	7694.14000	Ø 3/4"	7694.19050	
Ø 16.0 mm	7694.16000	Ø 1"	7694.25400	
Ø 18.0 mm	7694.18000			
Ø 20.0 mm	7694.20000			
Ø 25.0 mm	7694.25000			



[Learn more](#)

For more information about secuRgrip® see page 277.



Threaded insert SGI

Tapping collet PG-TAP

PG-TAP

DIN 371

DIN 376

ANSI

Type	Part no.	Ø [mm]	Square [mm]	DIN norm
PG 15-TAP				
Ø 3.5 x 2.7 mm	1715.03505	3.5	2.7	371/376
Ø 4.5 x 3.4 mm	1715.04505	4.5	3.4	371/376
Ø 6.0 x 4.9 mm	1715.06005	6.0	4.9	371/376
Ø 7.0 x 5.5 mm	1715.07005	7.0	5.5	371/376
Ø 8.0 x 6.2 mm	1715.08005	8.0	6.2	371/376
Ø 9.0 x 7.0 mm	1715.09005	9.0	7.0	371/376
Ø 10.0 x 8.0 mm	1715.10005	10.0	8.0	371

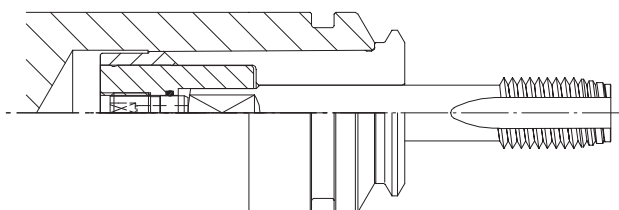
PG 25-TAP				
Ø 6.0 x 4.9 mm	1725.06005	6.0	4.9	371/376
Ø 8.0 x 6.2 mm	1725.08005	8.0	6.2	371/376
Ø 9.0 x 7.0 mm	1725.09005	9.0	7.0	371/376
Ø 10.0 x 8.0 mm	1725.10005	10.0	8.0	371
Ø 11.0 x 9.0 mm	1725.11005	11.0	9.0	371/376
Ø 12.0 x 9.0 mm	1725.12005	12.0	9.0	371/376
Ø 14.0 x 11.0 mm	1725.14005	14.0	11.0	371/376
Ø 16.0 x 12.0 mm	1725.16005	16.0	12.0	371/376

Type	Part no.	Ø [inch]	Square [inch]	Norm
PG 15-TAP [inch]				
Ø 0.141/□ 0.110"	1725.03585	0.141	0.110	ANSI
Ø 0.168/□ 0.131"	1725.04275	0.168	0.131	ANSI
Ø 0.194/□ 0.152"	1725.04935	0.194	0.152	ANSI
Ø 0.220/□ 0.165"	1725.05595	0.220	0.165	ANSI
Ø 0.255/□ 0.191"	1725.06485	0.255	0.191	ANSI

PG 25-TAP [inch]				
Ø 0.318/□ 0.238"	1725.08085	0.318	0.238	ANSI
Ø 0.367/□ 0.275"	1725.09325	0.367	0.275	ANSI
Ø 0.381/□ 0.286"	1725.09685	0.381	0.286	ANSI

Expert advice

For imperial thread sizes and corresponding squares [□] see page 336.



PG-TAP



PG-TAP





Accessories

powRgrip® accessories	238
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Sealing disks	244
Coolant flush disks	252
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Mobile workbench for PGU 9500	261
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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

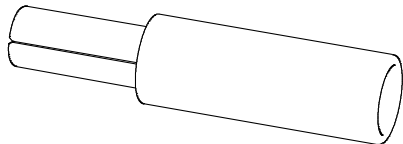
Cleaning paper set CPS

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

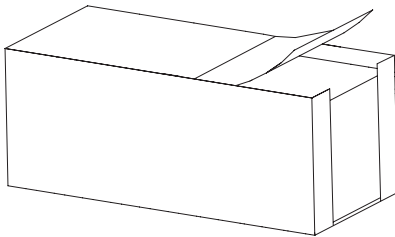
Includes taper cleaner and cleaning paper set

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

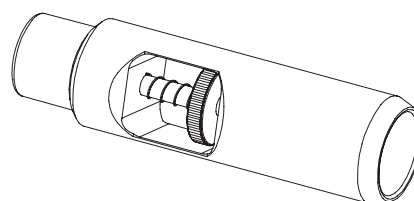
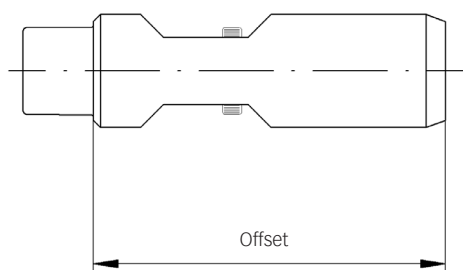


CPS



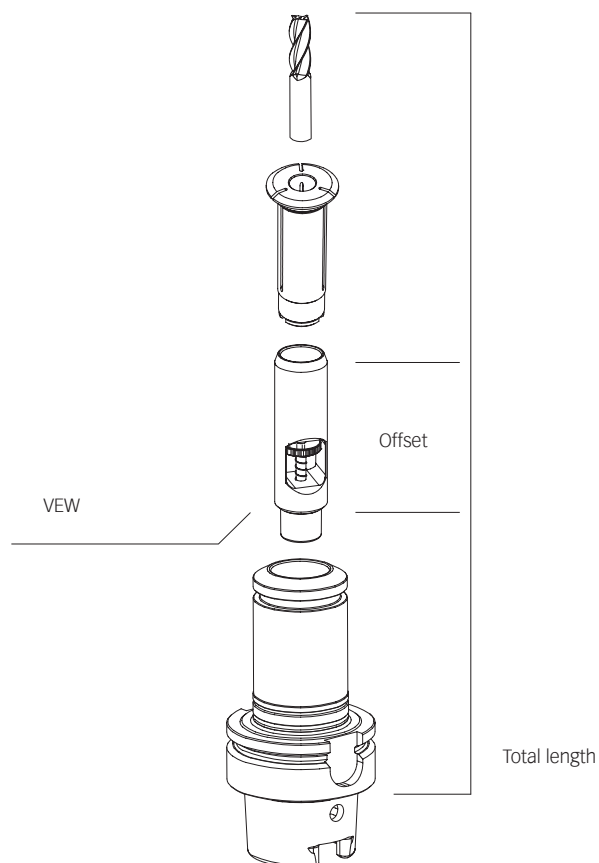
Type	Part no.	Offset
Length-presetting tool VEW		[mm]
VEW 6	7619.06000	80
VEW 10	7619.10000	100
VEW 15	7619.15000	100
VEW 25	7619.25000	100
VEW 32	7619.32000	100

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

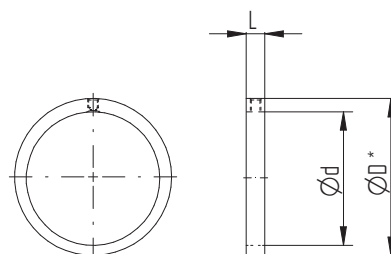
TSD

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



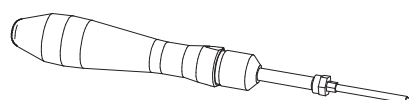
Single balancing ring

*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

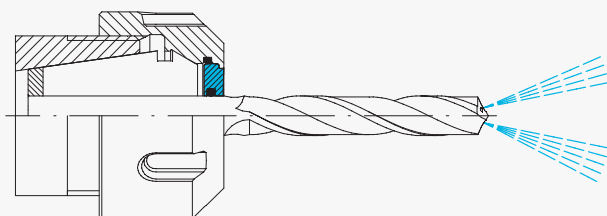
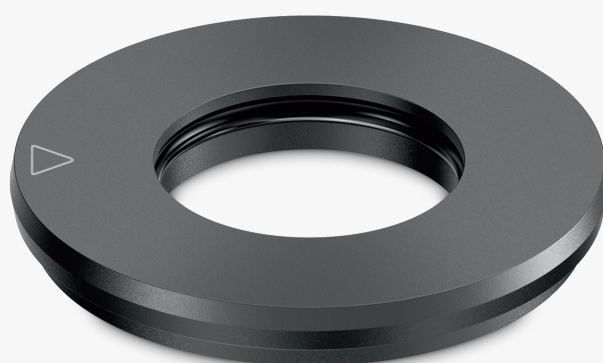
O-ring for aggressive coolant (VITON®-quality).

Interchangeable

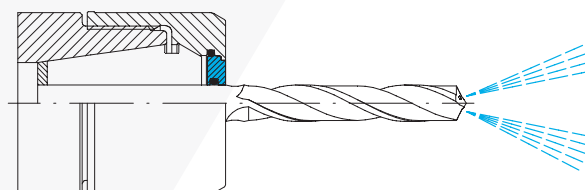
Quick change of sealing disks according to required tool shank diameter.

Coolant through

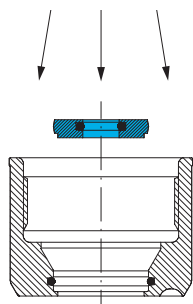
For better cooling and lubrication. Extends tool life and supports chip removal.



DS/ER

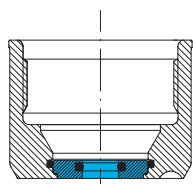


DS/MR



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.

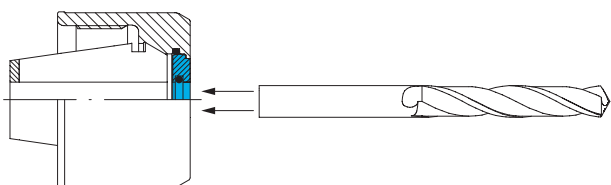


Inserted DS

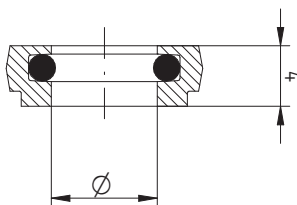
Removing To remove the disk, simply press on the outside of the disk evenly until it snaps out.

Expert advice

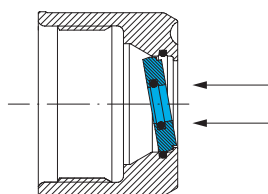
Insert tool with the shank side first. O-ring might be damaged if cutting tool is inserted from the back with the cutting edge side.



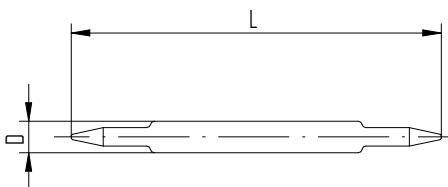
Insert tool



DS / ER



Disk removal



MWZ 11

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



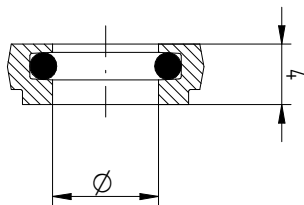
Type	Part no.	Tool diameter			Incl. in set	System
		Ø [inch]	[mm]	[decimal inch]		
Ø 22.0 mm	3940.02200	–	22.0–21.5	0.8661–0.8465	•	•
Ø 22.5 mm	3940.02250	7/8"	22.5–22.0	0.8858–0.8268	•	•
Ø 23.0 mm	3940.02300	29/32"	23.0–22.5	0.9055–0.8858	•	•
Ø 23.5 mm	3940.02350	–	23.5–23.0	0.9252–0.9055	•	•
Ø 24.0 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	–	•

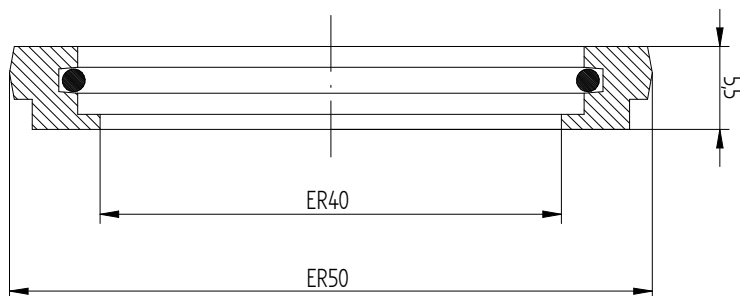
*The ADP ER 50–DS/ER 40 only works in combination with a sealing disk DS/ER 40. DS/ER 40 is not included in delivery



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

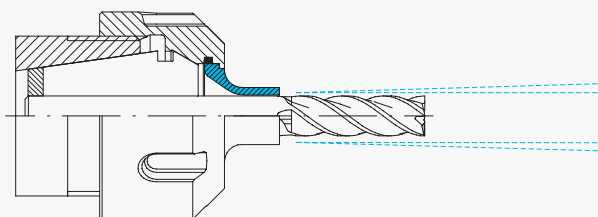
Quick change of coolant flush disks according to required tool shank diameter.

Peripheral cooling

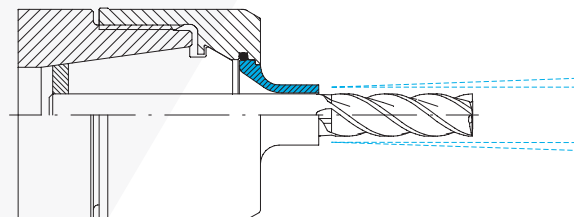
For better cooling and lubrication.
Extends tool life and supports chip removal.

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

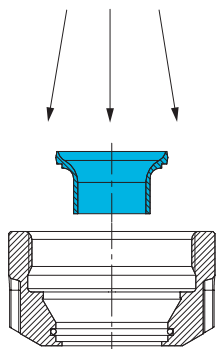


KS/MR

Coolant flush disks for ER/MR

KS/ER

KS/MR

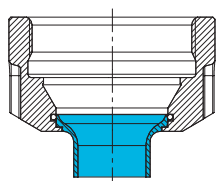


Assembling

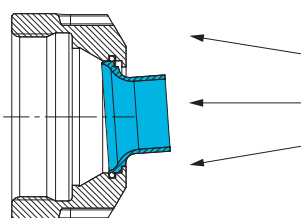
Assembling Insert the small diameter of the disk into the center of the coolant nut. Apply an even pressure until the disk is properly seated into the nut.

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



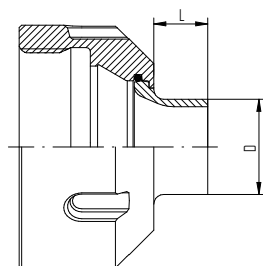
Coolant flush disks for ER/MR

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

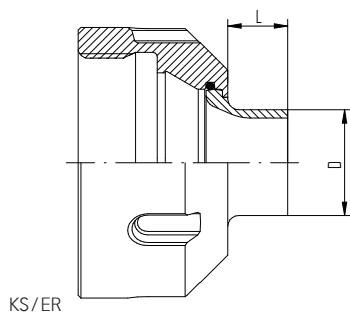
KS/MR

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

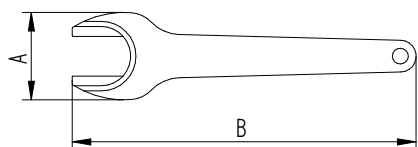
E MS

E AX

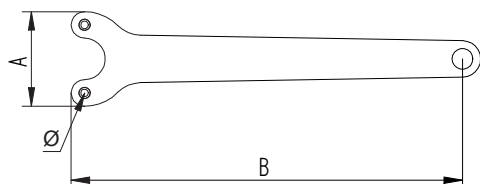
E A

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

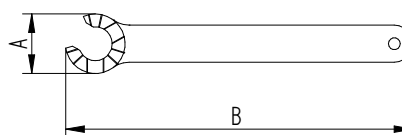
Ø [mm]



E MS



E A



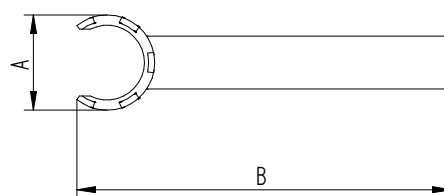
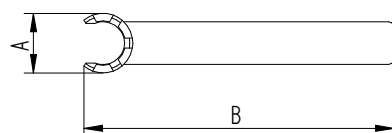
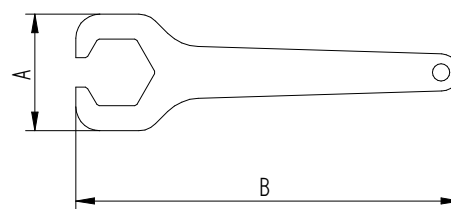
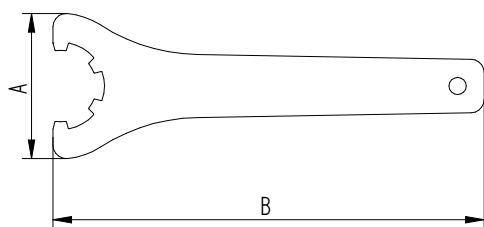
E AX



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		•

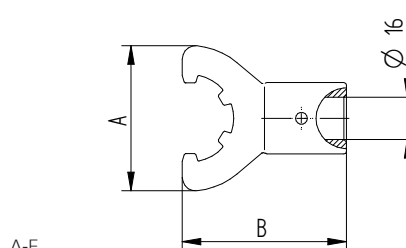
A-E P					
A-E 11 P	7152.11010	32	57	19	•
A-E 16 P	7152.16010	44	70	28	•
A-E 20 P	7152.20010	52	80	34	•

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		•

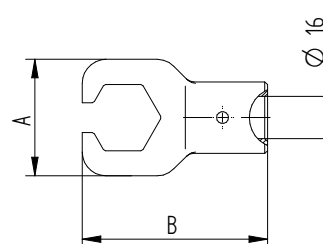
A-E MX					
A-E 8 MX	7158.08000	12	53		•
A-E 11 MX	7158.11000	17	54		•
A-E 16 MX	7158.16000	22	56		•
A-E 20 MX	7158.20000	29	68		•
A-E 25 MX	7158.25000	36	70		•

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		•

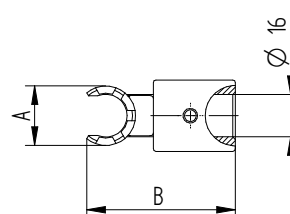
A-E AX					
A-E 11 AX	7157.11000	16	62		•
A-E 16 AX	7157.16000	22	63		•
A-E 20 AX	7157.20000	26	64		•
A-E 25 AX	7157.25000	29	93		•
A-E 32 AX	7157.32000	37	95		•
A-E 40 AX	7157.40000	47	99		•



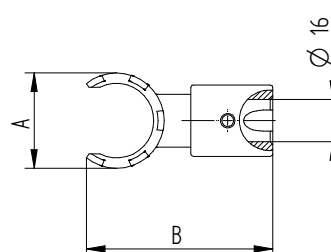
A-E



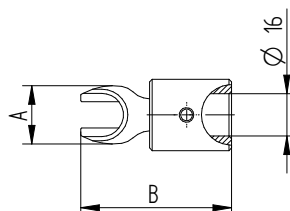
A-E P



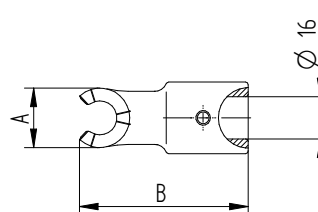
A-E M



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

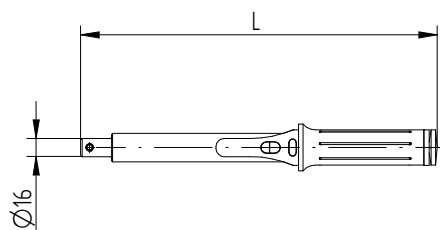
Type	Part no.	L1 [mm]	Range [Nm]	Range [ft-lbs]	System
TORCO-FIX					
TORCO-FIX 0	7150.02025	290	5–25	3.5–18	●●●
TORCO-FIX I	7150.05050	335	10–50	7.5–36.5	●●●
TORCO-FIX II	7150.20200	465	40–200	26.5–147	●●●●
TORCO-FIX III	7150.60300	565	60–300	44.5–221	●●●●

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	●

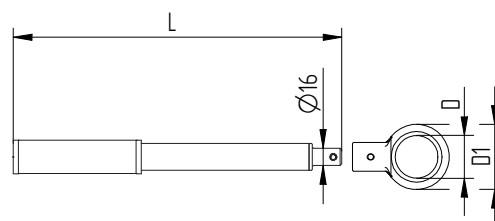
Type	Part no.	L1 [mm]	System
Grip bar for wrench heads G-A			
G-A	7655.99900	308	●●●●
G-AS	7655.99500	120	●

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

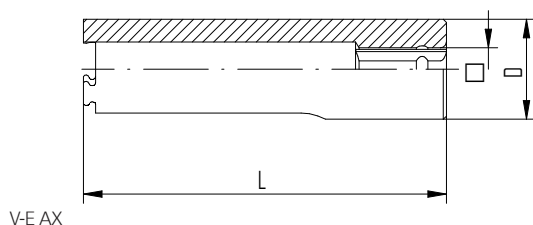
V-E AX

V-E MX

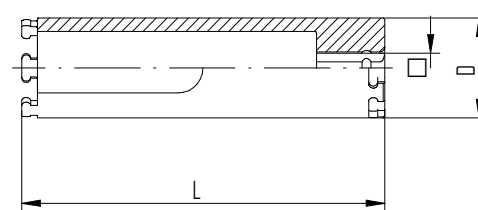
FDS

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"	

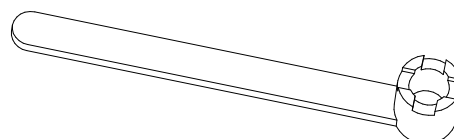


V-E AX



V-E MX

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	•



FDS

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

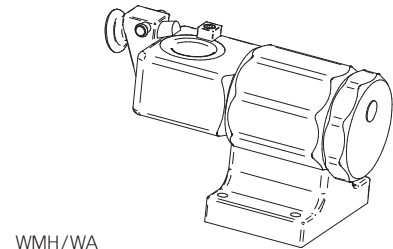
Tool adapter WA / HSK-A / C / E		
WA / HSK-A / C / E 25	7814.25300	HSK-A / C / E 25

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

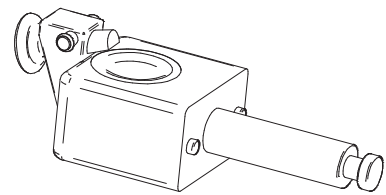
Tool adapter WA / HSK-C / E		
WA / HSK-C / E 32	7814.32500	HSK-C / E 32
WA / HSK-C / E 40	7814.40500	HSK-C / E 40
WA / HSK-C / E 50	7814.50500	HSK-C / E 50
WA / HSK-C / E 63	7814.63500	HSK-C / E 63

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



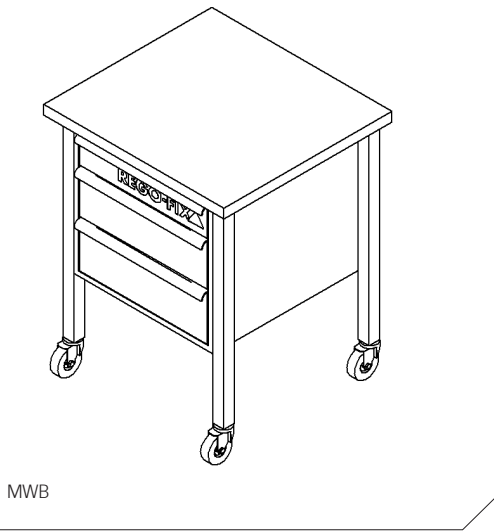
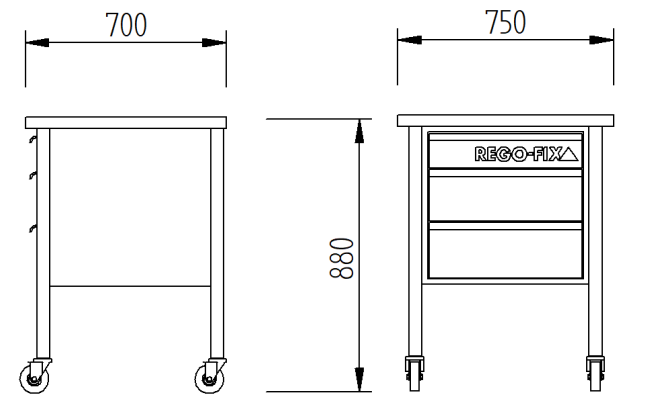
WA

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

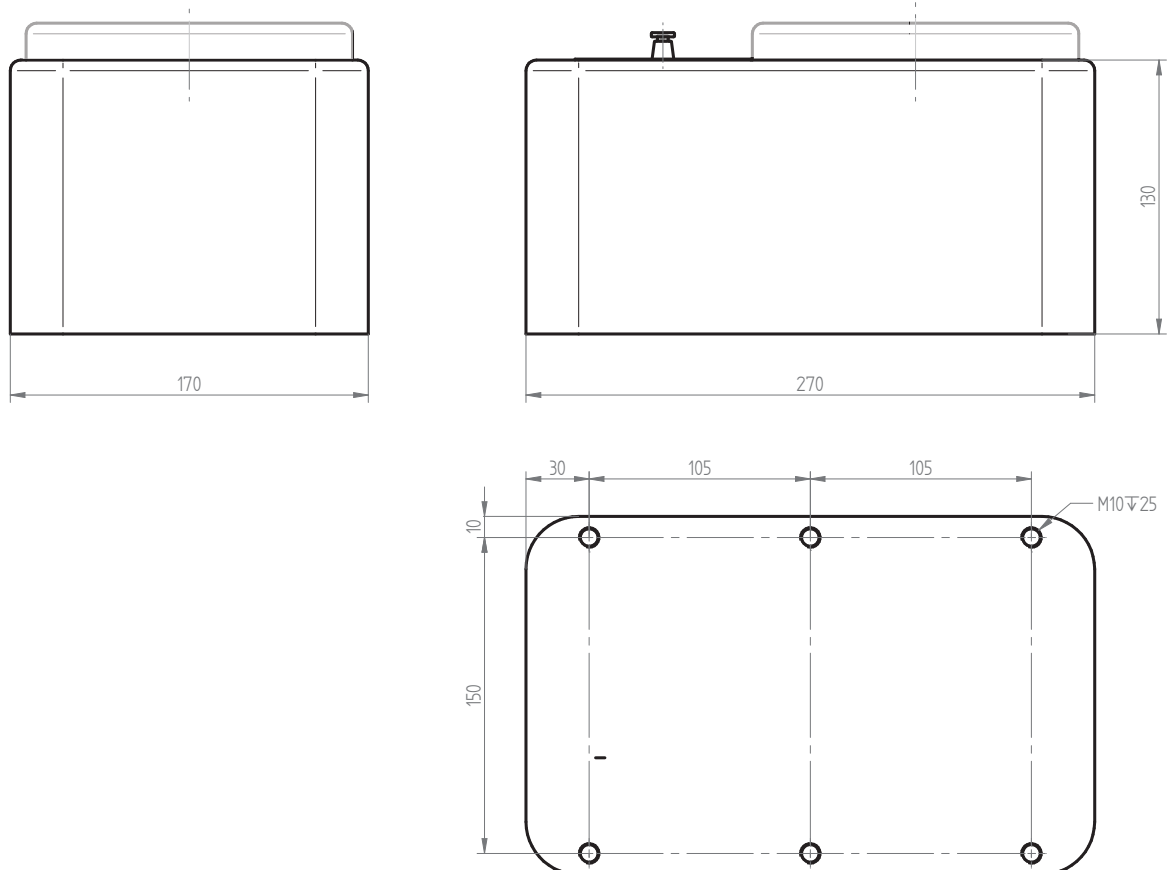


Achieve perfect torque with any wrench

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



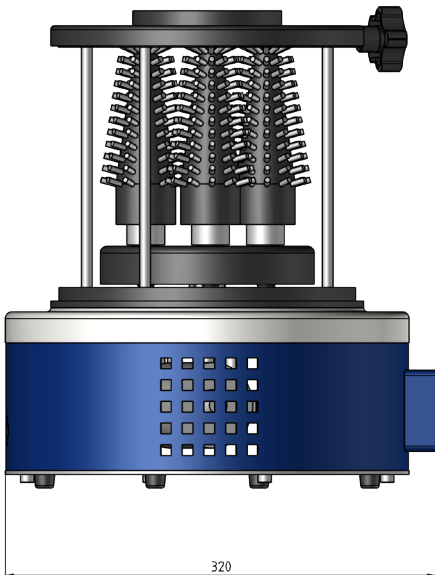
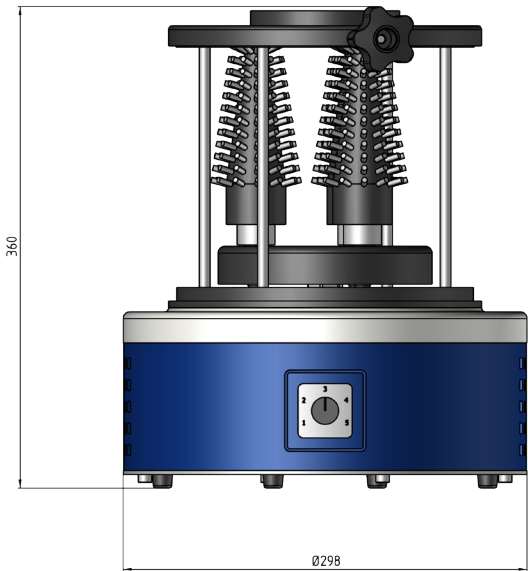
Cleaning Adapter



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

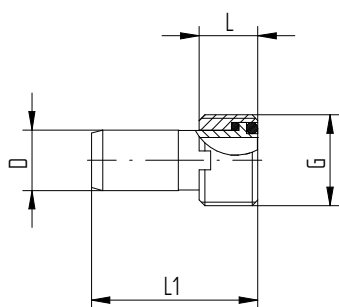
KSR

SKR

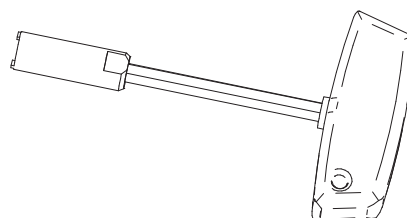
Wrenches for coolant tubes SKR

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

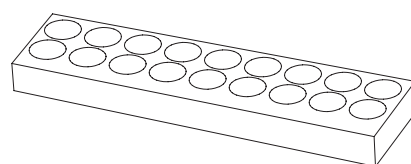
ZWT

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	●

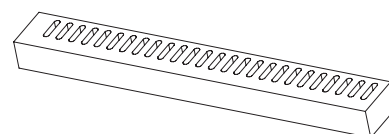


ZWT / ZZT

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	●

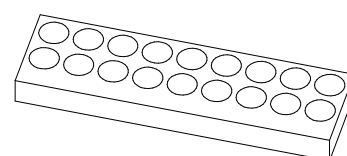
*USA only

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