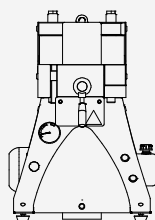


Experience the extensive powRgrip® offering

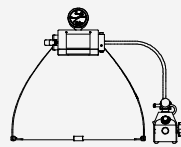
Clamping units

PGU 9500

PGC 2506



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Standard

HSK/
PG

SK/
PG

BT/
PG

CAT/
PG

CAPTO/
PG

ISO 20/
PG

Cylindrical collet holders

CYL/
PG

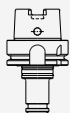
Pullout protection secuRgrip®

PG-SG

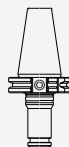
Collet holders for tapping

HSK-A
SSY

CYL SSY
CYL GSF



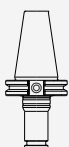
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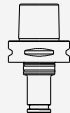
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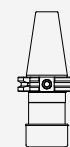
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Micro machining

PG-MB



page 50

Standard

PG



page 51

Cooling

PG-CF



page 54

Long shanks

PG-L



page 57

Short shanks

PG-S



page 58

Turning collets

PG-T



page 60

Pullout protection secuRgrip®

PG-SG



page 61

Collets for tapping

PG-TAP



page 62

Precision 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

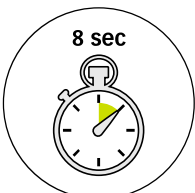
The clamping unit PGU 9500 has been awarded the Red Dot design award for industrial design, highlighting the good usability and outstanding design of the machine.



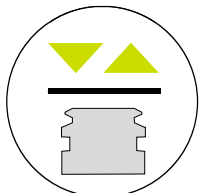
reddot award
honourable mention industrial design



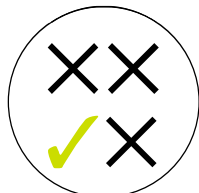
Key advantages



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

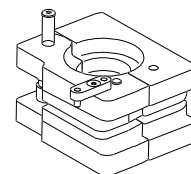
Clamping inserts APG not included

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

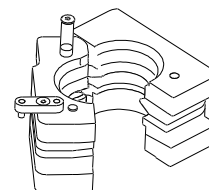
*APG 906 is only suited for PGU 9006 and 9500. All other APG's can be used for PGU 9000/9006/9500



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

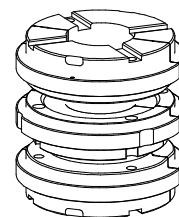
Includes clamping unit, hand pump and stand. APC not included

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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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/
PG



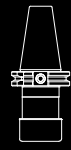
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CYL/
PG



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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

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	–	–	

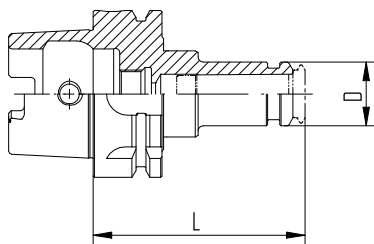
HSK-A 80

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

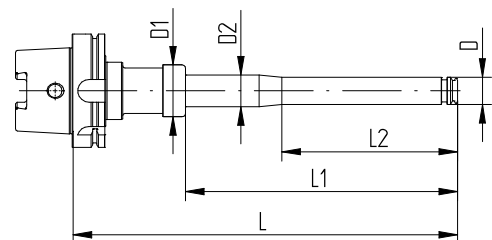
*Balancing rings H: Ready to accept balancing rings

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

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

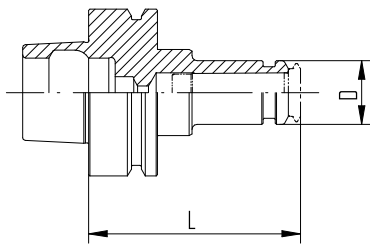
DIN 69893

ISO 12164

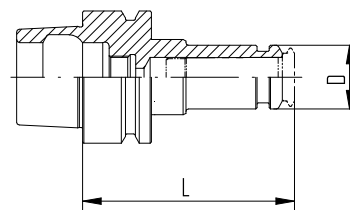
Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR*
HSK-F 63								
HSK-F 63/PG 10 x 080 H	4563.71045	16	-	-	80	-	-	325
HSK-F 63/PG 10 x 120 H	4563.71065	16	-	-	120	-	-	325
HSK-F 63/PG 10 x 160 H	4563.71085	16	-	-	160	-	-	325
HSK-F 63/PG 15 x 080 H	4563.71545	24	-	-	80	-	-	325
HSK-F 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	–	–	–

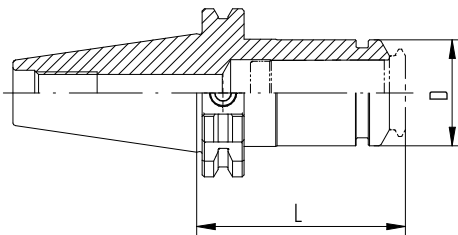
*Balancing rings H: Ready to accept balancing rings

SK-B toolholders

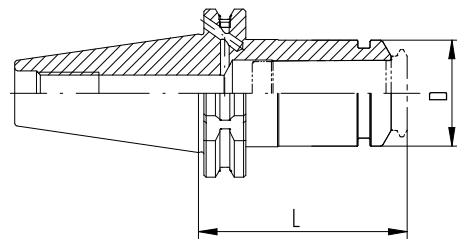
SK-B
DIN 69871
DIN ISO 7388-1

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	-	-	-

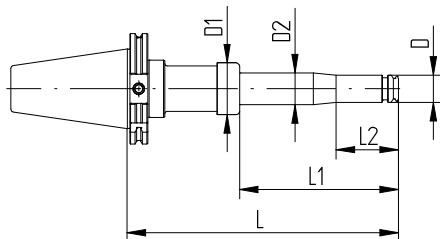
*Balancing rings H: Ready to accept balancing rings



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

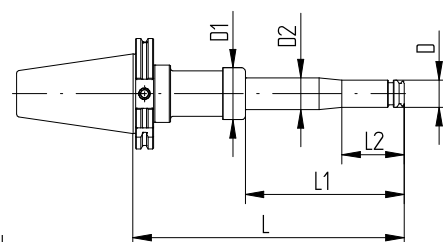
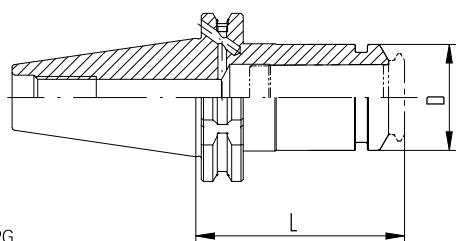
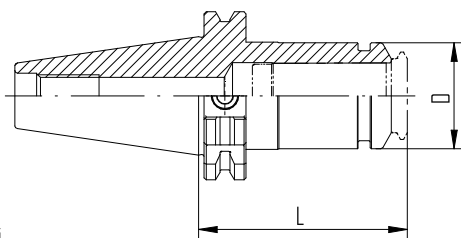
DIN 69871

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	–	–

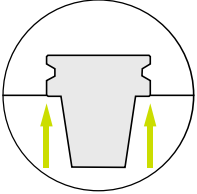
SK-B 50								
SK-B 50/PG 25 x 081	2250.72543	40	–	–	81	–	–	–
SK-B 50/PG 25 x 100 H	4250.72553	40	–	–	100	–	–	505
SK-B 50/PG 25 x 160 H	4250.72583	40	–	–	160	–	–	505/405
SK-B 50/PG 25 x 200 H	4250.72593	40	–	–	200	–	–	505/405
SK-B 50/PG 32 x 080	2250.73243	50	–	–	80	–	–	–

*Balancing rings H: Ready to accept balancing rings

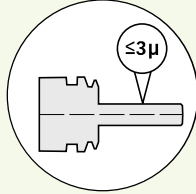


REGO-FIX SK+ toolholders

Key advantages



Higher colletter 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 $\leq 0.0001''$ (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/ ≤ 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 colletterholders 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

SK+ toolholder

SK+

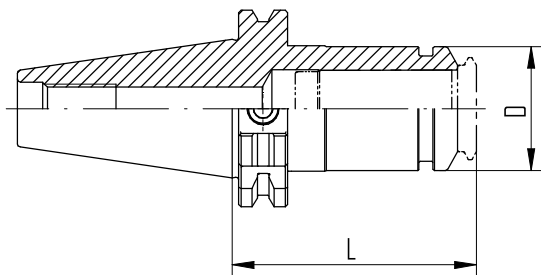
DIN 69871

DIN ISO 7388-1

powRgrip®

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



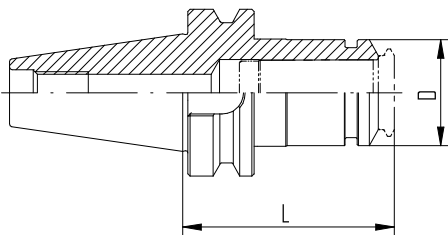
Accessories are not included in delivery. Other XL sizes available on request

BT toolholders

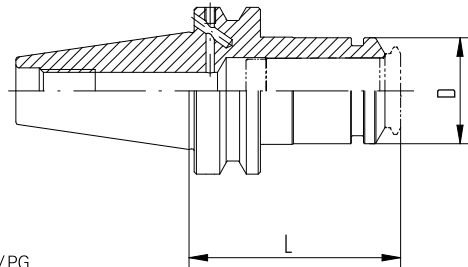
BT
MAS 403
JIS B 6339
DIN ISO 7388-2

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

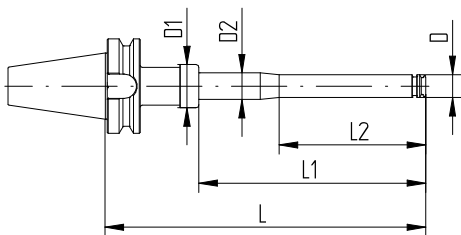
*Balancing rings H: Ready to accept balancing rings



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	–	–	–

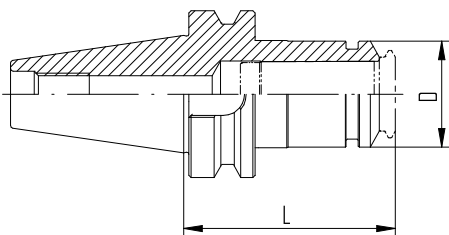
*Balancing rings H: Ready to accept balancing rings

BT toolholders

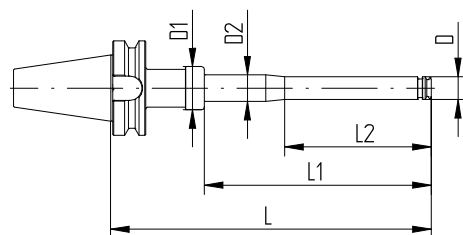
BT
MAS 403
JIS B 6339
DIN ISO 7388-2

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

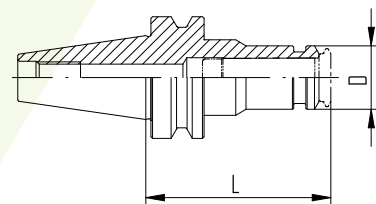
PG standard collets for tools with an internal coolant supply (metallic sealed).
Coolant flush collets PG-CF for peripheral cooling.

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



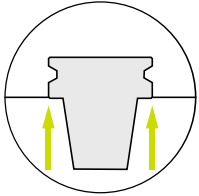
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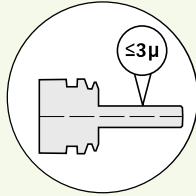
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REGO-FIX BT+ dual contact toolholders

Key advantages



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



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

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 $\le 0.0001''$ (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 coletholders 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



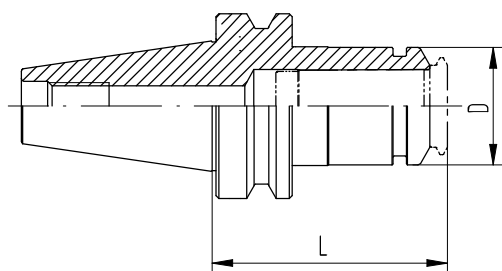
Accessories are not included in delivery. Form B available on request

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

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

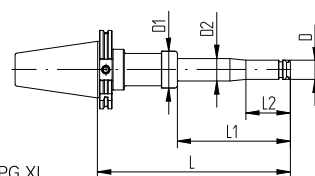
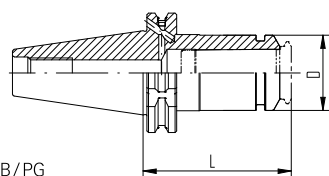
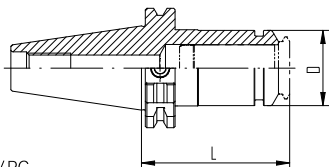
*Balancing rings H: Ready to accept balancing rings

**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" H	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

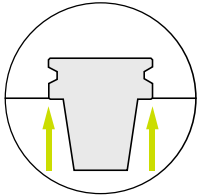


REGO-FIX CAT+ dual contact toolholders

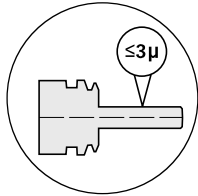
Certified The BIG PLUS SYSTEM – licensed by BIG Daishowa – is manufactured at REGO-FIX in Switzerland under license according to BIG PLUS specifications.

REGO-PLUS
double contact

Key advantages



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



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

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

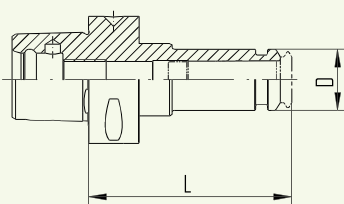
Our holders offer excellent vibration dampening to sustain a high surface finish and can prevent cutting force alterations.

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

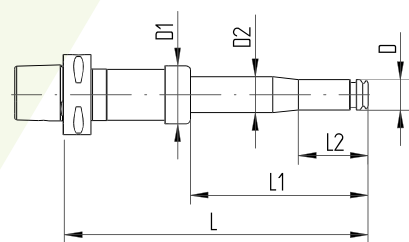
Balancing specifications

C3	balanced to 60,000 rpm
C4	balanced to 45,000 rpm
C5	balanced to 36,000 rpm
C6	G 2.5 @ 25,000 rpm
C8	G 2.5 @ 25,000 rpm

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

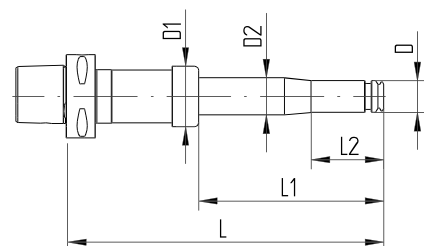
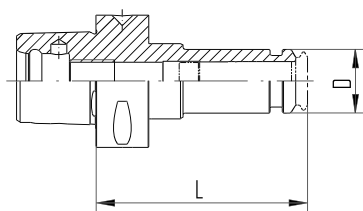
Type	Part no.	Dimensions [mm]						Accessory
		D	D1	D2	L	L1	L2	FWR *
C6/PG 15 x 071	2806.71530	24	–	–	71	–	–	–
C6/PG 15 x 080 H	4806.71540	24	–	–	80	–	–	325
C6/PG 15 x 120 H	4806.71560	24	–	–	120	–	–	325
C6/PG 15 x 160 H	4806.71580	24	–	–	160	–	–	325
C6/PG 15 x 225 XL	8886.73050	24	46	28	225	140	55	–
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



ISO 20 toolholder



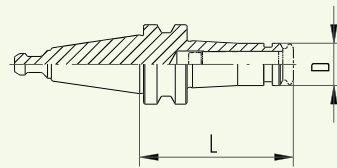
Applications The REGO-FIX ISO 20 toolholders are designed to work with the HAAS Office Mill. To utilize the full potential of your machine, use the REGO-FIX brand of holders and collets to see the difference quality can achieve in your machining operations.

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

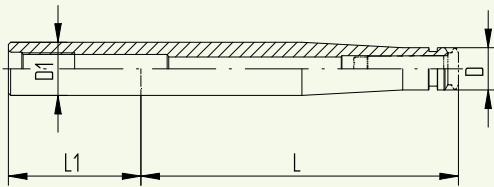
Achieve high clamping force and high transferable torque.

Minimal outside dimensions

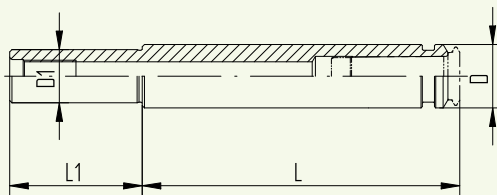
Slim design provides more machining flexibility.

Extra length possible

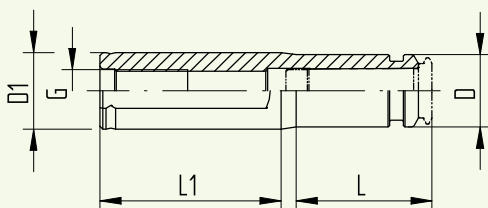
CYL 10/PG and CYL 20/PG can be used as extensions.



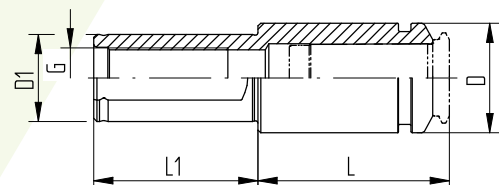
Drawing 1



Drawing 2



Drawing 3



Drawing 4

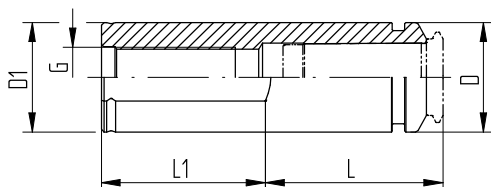
CYL toolholders

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	
<i>*USA only</i>								
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

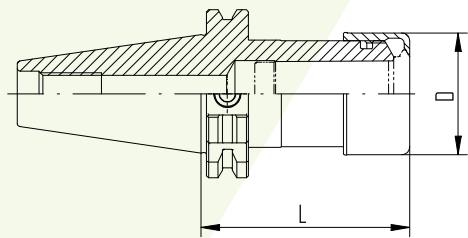
Form and force-fitting clamping system Tools and collets are 100% secured against tool pull-out, making secuRgrip® your safety net for successful machining. In high performance cutting (HPC), the tool can pull out of the clamping system during the milling operation and damage the workpiece. We developed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

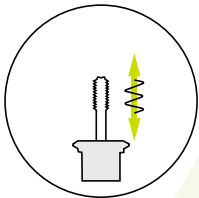
*Balancing rings H: Ready to accept balancing rings

**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)

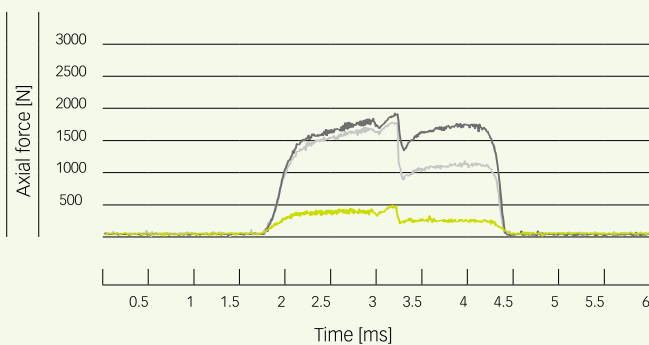


Applications

- // 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

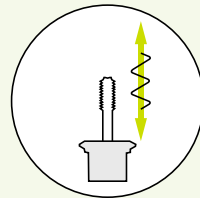
Occurring axial forces with thread forms M10 in St37, Speed 500 rpm.
Source: In-house testing



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

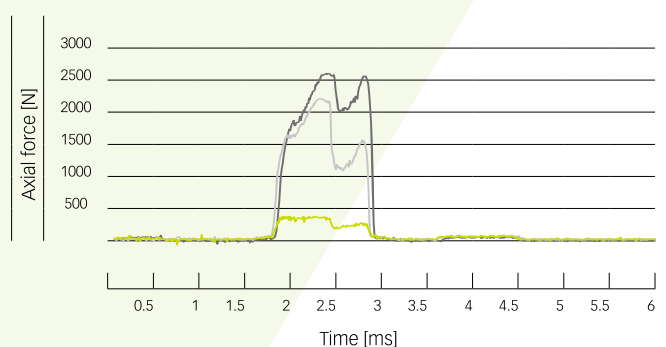


Applications

- // 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

