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 ≤ 3 µm @ 3 x D

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

Toolholder runout TIR ≤ 1 µm

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 ≤ 10 µm
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.

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

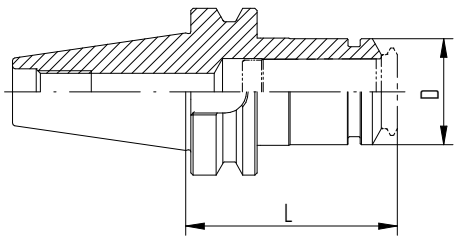
Balancing specifications	
BT 30	balanced to 30,000 rpm
BT 40	G 2.5 @ 25,000 rpm
BT 50	G 2.5 @ 25,000 rpm

BT toolholders

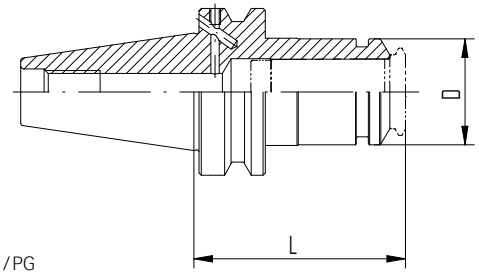
BT
MAS 403
JIS B 6339
DIN ISO 7388-2

Type	Part no.	Dimensions [mm] D	D1	D2	L	L1	L2	Accessory 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

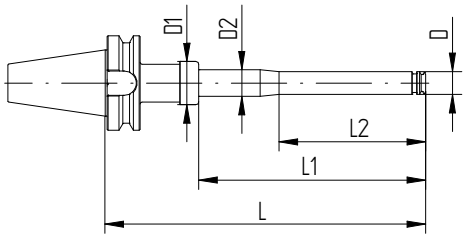
**Balancing rings H: Ready to accept balancing rings*



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

		Dimensions [mm]						Accessory
Type	Part no.	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	–	–	–

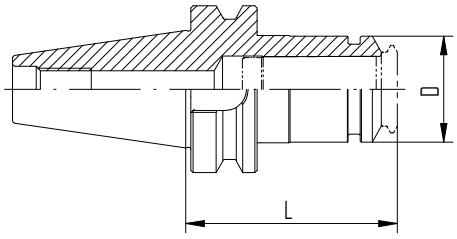
**Balancing rings H: Ready to accept balancing rings*

BT toolholders

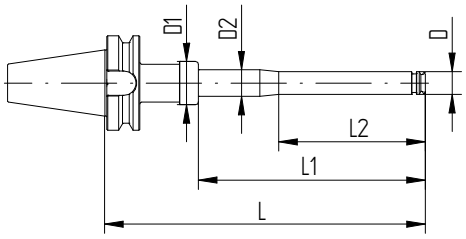
BT
MAS 403
JIS B 6339
DIN ISO 7388-2

Type	Part no.	Dimensions [mm] D	D1	D2	L	L1	L2	Accessory 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] D	D1	L	L1	Accessory 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

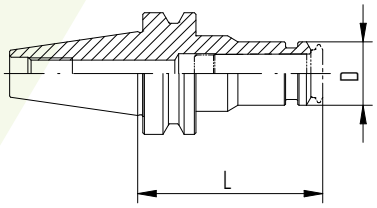
PG standard collets for tools with an internal coolant supply (metalic sealed).
Coolant flush collets PG-CF for peripheral cooling.

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



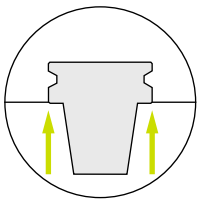
BT-OM / PG


10245
10245
10245

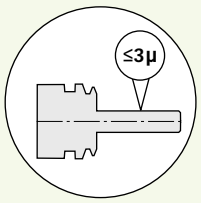
REGO-PLUS double contact

REGO-FIX BT+ dual contact toolholders

Key advantages



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



Total system runout TIR ≤ 3 µm at 3 x 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 ≤ 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 colletholders 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.

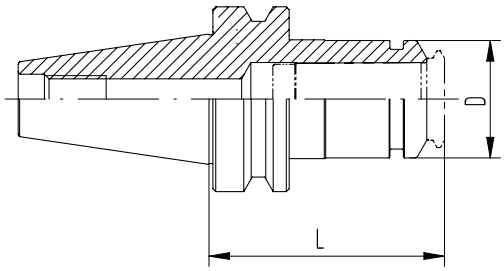
Accessories are not included in delivery. Form B available on request

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

REGO-FIX BT+ dual contact toolholders licensed by BIG Daishowa

Type	Part no.	Dimensions [mm] D	D1	Accessory 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)