

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

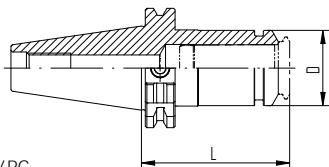
*Balancing rings H: Ready to accept balancing rings

**USA only

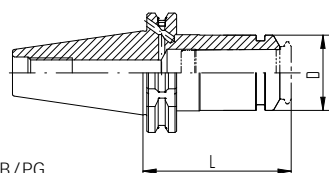
Type	Part no.	Dimensions						Accessory
		D [mm]	D1 [mm]	D2 [mm]	L [inch]	L1 [inch]	L2 [mm]	FWR*
CAT 50								
CAT 50/PG 10 x 4" H	4350.71051	16	–	–	4"	–	–	405
CAT 50/PG 10 x 8" XL	8853.71031	16	42	28	8"	4"	31	–
CAT 50/PG 10 x 10" XL	8853.71081	16	42	28	10"	4"	31	–
CAT 50/PG 10 x 12" XL	8853.71131	16	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

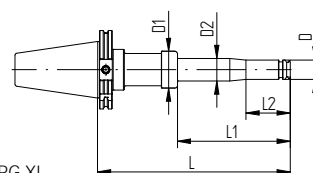
**USA only



CAT / PG



CAT-B / PG



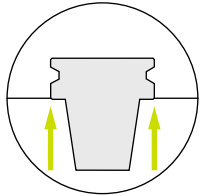
CAT / PG XL

REGO-FIX CAT+ dual contact toolholders

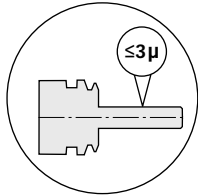
Certified The BIG PLUS SYSTEM – licensed by BIG Daishowa – is manufactured at REGO-FIX in Switzerland under license according to BIG PLUS specifications.



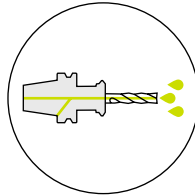
Key advantages



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



Total system runout TIR ≤ 3 μm 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

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