



TOOLING
YOUR
WORLD.



PREMIUM BALANCE
G2.5 at 30,000rpm

CERTIFICATE INCLUDED
CAT/BT 30, 40, HSK63A

PREMIUM BALANCE
G2.5 at 25,000rpm

CERTIFICATE INCLUDED
CAT50, HSK100A

Shrink Fit Holders

CAT40 & CAT50, BT30 & BT40, HSK63A & HSK100A

Simple and fast. The total time elapsed to remove one cutting tool and insert another is **less than 10 seconds.**

Tool is **gripped 360° along the entire length of the bore.** This results maximum clamping force, greater rigidity, and an exceptional concentricity (0.0001"/0.003mm). You can run your machine at faster speeds and feeds with no danger of the tool slipping or bending.

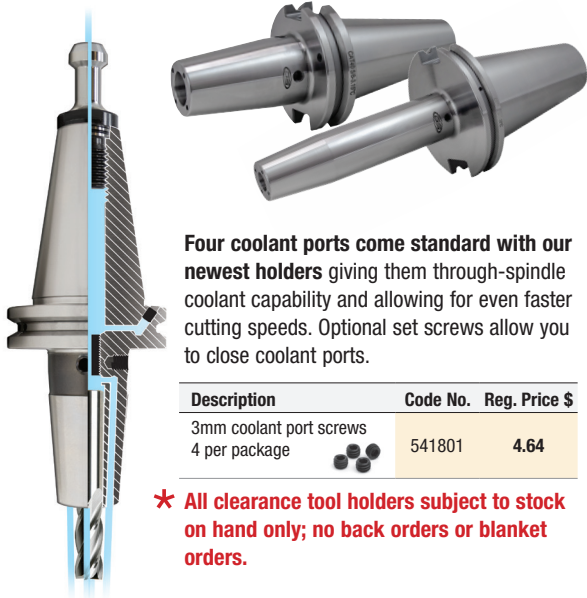


Short projections are possible because no mechanical clamping devices are used. No moving parts and low centrifugal forces due to low holder mass allow for a **long holder life with tighter tolerances.**

Chip load is distributed evenly along the cutting edge of the tool which results in longer tool life.

Balanced & Certified – An individualized balance certificate of inspection is included with each holder.

With & Without Coolant Ports



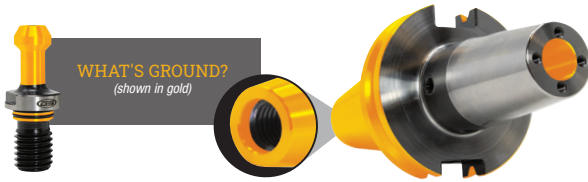
Four coolant ports come standard with our newest holders giving them through-spindle coolant capability and allowing for even faster cutting speeds. Optional set screws allow you to close coolant ports.

Description	Code No.	Reg. Price \$
3mm coolant port screws 4 per package	541801	4.64

★ All clearance tool holders subject to stock on hand only; no back orders or blanket orders.

Taper	Hole Diameter (D1)	Gage Length (A)	WITH COOLANT PORTS		WITHOUT COOLANT PORTS*	
			Code No.	Sowa List Price \$	Code No.	CLEARANCE Price \$
CAT40	1/8"	3.15"	541838*	310.55	531838	SOLD OUT
	3/16"	3.15"	541840*	310.55	531840	135.00
	1/4"	3.15"	541842	310.55	531842	SOLD OUT
	1/4"	6.30"	541844	379.56	531844	198.75
	5/16"	3.15"	541846	310.55	531846	135.00
	5/16"	6.30"	541848	358.85	531848	198.75
	3/8"	3.15"	541850	310.55	531850	SOLD OUT
	3/8"	6.30"	541852	379.56	531852	SOLD OUT
	1/2"	3.15"	541854	310.55	531854	SOLD OUT
	1/2"	6.30"	541856	379.56	531856	198.75
	5/8"	3.15"	541858	310.55	531858	135.00
	3/4"	3.15"	541862	324.35	531862	135.00
	3/4"	6.30"	541864	407.16	531864	SOLD OUT
	1"	3.94"	541866	345.05	531866	SOLD OUT
	1"	6.30"	541868	407.16	531868	SOLD OUT
	CAT50	1-1/4"	3.94"	541870	345.05	531870
1-1/4"		6.30"	541872	407.16	531872	198.75
1/4"		3.15"	541932	311.93	531932	SOLD OUT
1/4"		6.30"	541934	517.58	531934	247.50
5/16"		3.15"	541936	311.93	531936	202.50
3/8"		3.15"	541940	407.16	531940	202.50
3/8"		6.30"	541942	517.58	531942	SOLD OUT
1/2"		3.15"	541944	407.16	531944	SOLD OUT
1/2"		6.30"	541946	517.58	531946	SOLD OUT
5/8"		3.15"	541948	407.16	531948	202.50
5/8"		6.30"	541950	517.58	531950	SOLD OUT
3/4"		3.15"	541952	407.16	531952	202.50
3/4"		6.30"	541954	517.58	531954	SOLD OUT
1"		3.94"	541956	407.16	531956	SOLD OUT
1"		6.30"	541958	517.58	531958	247.50
CAT40		1-1/4"	3.94"	541960	407.16	531960
	1-1/4"	6.30"	541962	545.18	531962	247.50
	4mm	80mm	541802*	365.75	531802	SOLD OUT
	6mm	80mm	541806	365.75	531806	SOLD OUT
	6mm	160mm	541808	420.96	531808	SOLD OUT
	8mm	80mm	541810	365.75	531810	SOLD OUT
	8mm	160mm	541812	420.96	531812	SOLD OUT
	10mm	80mm	541814	365.75	531814	135.00
	10mm	160mm	541816	420.96	531816	SOLD OUT
	12mm	80mm	541818	365.75	531818	SOLD OUT
	12mm	160mm	541820	420.96	531820	SOLD OUT
	16mm	80mm	541822	365.75	531822	SOLD OUT
	16mm	160mm	541824	420.96	531824	SOLD OUT
	20mm	80mm	541826	327.11	531826	135.00
	25mm	100mm	541830	407.16	531830	SOLD OUT
	32mm	100mm	541834	407.16	531834	SOLD OUT
CAT50	6mm	80mm	541900	441.66	531900	SOLD OUT
	6mm	160mm	541902	545.18	531902	SOLD OUT
	8mm	80mm	541904	441.66	531904	202.50
	8mm	160mm	541906	545.18	531906	SOLD OUT
	10mm	80mm	541908	441.66	531908	SOLD OUT
	10mm	160mm	541910	545.18	531910	SOLD OUT
	12mm	80mm	541912	441.66	531912	SOLD OUT
	12mm	160mm	541914	545.18	531914	SOLD OUT
	16mm	80mm	541916	441.66	531916	202.50
	16mm	160mm	541918	545.18	531918	SOLD OUT
	20mm	80mm	541920	456.85	531920	SOLD OUT
	25mm	100mm	541924	441.66	531924	202.50
32mm	100mm	541928	483.07	531928	SOLD OUT	

*No coolant ports or threaded balance holes on holders under 6mm I.D.



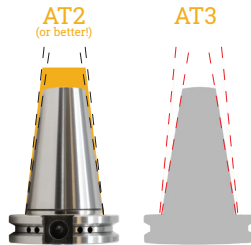
WHAT'S GROUND?
(shown in gold)

Only the strongest material is used

GS Tooling Shrink Fit Holders are made from **H13 Tool Steel**. This is a chromium-molybdenum steel with an exceptional combination of high toughness and resistance to thermal fatigue cracking (heat checking) as a result of cyclic heating and cooling cycles. It has better wear resistance than common alloy steels, and with proper use the life of our Shrink Fit Holders will exceed that of standard Shrink Fit Holders.

All components are ground to perfection

For an extra level of precision, we start with rebalanced holders and components. We then invest the time to grind all surfaces that will be in contact with the machine to a fine finish, giving our holder a **runout accuracy of 0.0001"** and our **taper and collet cavities an accuracy of AT2 or better** (Compare this with the runout accuracy of 0.0002" and taper accuracy AT3 of other brands). This offers a tighter connectivity and grip in all mated areas, increasing tolerances throughout.



★ All clearance tool holders subject to stock on hand only; no back orders or blanket orders.

Don't just shrink fit, ShrinkSMART

Modular shrink fit technology designed to be feature-rich, fast and flexible with an unrivaled entry price point. Easy enough for anyone to use, ShrinkSMART does all the work. It ensures the holder does not overheat, giving you optimized tool performance.



Explore all ShrinkSMART Solutions in our mini-catalogue.

Taper	Hole Diameter D1	Gage Length (A)	WITH COOLANT PORTS		WITHOUT COOLANT PORTS*		
			Code No.	Sowa List Price \$	Code No.	CLEARANCE Price \$	
BT30	1/8"	3.15"	542414*	324.35	532414	SOLD OUT	
	3/16"	3.15"	542416*	324.35	532416	SOLD OUT	
	1/4"	3.15"	542418	324.35	532418	127.50	
	3/8"	3.15"	542422	324.35	532422	SOLD OUT	
	1/2"	3.15"	542424	324.35	532424	127.50	
BT40	3/16"	3.54"	542466*	345.05	532466	SOLD OUT	
	1/4"	3.54"	542468	345.05	532468	SOLD OUT	
	1/4"	6.30"	542470	393.36	532470	180.00	
	3/8"	3.54"	542476	345.05	532476	131.25	
	1/2"	3.54"	542480	345.05	532480	131.25	
	1/2"	6.30"	542482	393.36	532482	180.00	
	3/4"	3.54"	542488	345.05	532488	SOLD OUT	
	3/4"	6.30"	542490	393.36	532490	180.00	
BT30	1"	3.94"	542492	345.05	532492	SOLD OUT	
	1-1/4"	3.94"	542496	365.75	532496	131.25	
BT40	4mm	80mm	542402*	310.55	532402	SOLD OUT	
	6mm	90mm	542432	310.55	532432	131.25	
BT40	8mm	90mm	542436	310.55	532436	131.25	
	1/8"	3.15"	546338*	379.56	536338	SOLD OUT	
HSK63A	3/16"	3.15"	546340*	379.56	536340	SOLD OUT	
	1/4"	3.15"	546342	379.56	536342	SOLD OUT	
	1/4"	6.30"	546344	483.07	536344	SOLD OUT	
	5/16"	3.15"	546346	379.56	536346	146.25	
	3/8"	3.35"	546350	379.56	536350	SOLD OUT	
	3/8"	6.30"	546352	483.07	536352	SOLD OUT	
	1/2"	3.54"	546354	379.56	536354	SOLD OUT	
	1/2"	6.30"	546356	483.07	536356	SOLD OUT	
	5/8"	3.74"	546358	379.56	536358	146.25	
	5/8"	6.30"	546360	483.07	536360	206.25	
	3/4"	3.94"	546362	379.56	536362	146.25	
	3/4"	6.30"	546364	483.07	536364	SOLD OUT	
	1"	4.53"	546366	379.56	536366	146.25	
	1"	6.30"	546368	483.07	536368	206.25	
	1-1/4"	4.72"	546370	407.16	536370	206.25	
	1-1/4"	6.30"	546372	483.07	536372	206.25	
	HSK100A	1/4"	3.35"	546432	586.59	536432	SOLD OUT
		5/16"	3.35"	546436	586.59	536436	SOLD OUT
		3/8"	3.54"	546440	586.59	536440	SOLD OUT
		3/8"	6.30"	546442	621.09	536442	243.75
		1/2"	3.74"	546444	586.59	536444	SOLD OUT
		1/2"	6.30"	546446	621.09	536446	SOLD OUT
		5/8"	3.94"	546448	586.59	536448	SOLD OUT
		5/8"	6.30"	546450	621.09	536450	243.75
3/4"		4.13"	546452	586.59	536452	210.00	
3/4"		6.30"	546454	621.09	536454	243.75	
1"		4.53"	546456	586.59	536456	SOLD OUT	
1"		6.30"	546458	621.09	536458	243.75	
HSK63A	1-1/4"	4.72"	546460	586.59	536460	SOLD OUT	
	1-1/4"	6.30"	546462	621.09	536462	243.75	
	3mm	80mm	546300*	407.16	536300	SOLD OUT	
	4mm	80mm	546302*	407.16	536302	SOLD OUT	
	5mm	80mm	546304*	407.16	536304	SOLD OUT	
	6mm	80mm	546306	407.16	536306	SOLD OUT	
	6mm	160mm	546308	503.77	536308	SOLD OUT	
	8mm	80mm	546310	407.16	536310	SOLD OUT	
	10mm	85mm	546314	407.16	536314	146.25	
	12mm	90mm	546318	407.16	536318	SOLD OUT	
	16mm	95mm	546322	407.16	536322	SOLD OUT	
	20mm	100mm	546326	407.16	536326	SOLD OUT	
25mm	115mm	546330	407.16	536330	SOLD OUT		
32mm	120mm	546334	407.16	536334	SOLD OUT		

*No coolant ports or threaded balance holes on holders under 6mm I.D.



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WORLD.

Sowa Tool & Machine Co. Ltd.

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