

# SHRINK FIT CHUCKS

**WTE**  
MAPAL GROUP

**YG**

**CUTWEL**  
••PRO••

**PERFORMANCE**  
★★★★★



## FEATURES

- Different geometries to suit all applications.
- Hardness 52 ±2HRC
- Shrink temperature 100-420°C (Max 500°C)
- Coolant pressure maximum 80 bar
- Length adjustment screw
- Gauge lengths up to 200mm

## BENEFITS

- Ultra-long service life without distortion due to high quality hot work steel
- Suitable for HSS and carbide shanks
- Balanced to 25,000RPM G2.5 (up to 40,000RPM by request)
- Low power requirements for induction shrinking.

## High Performance Shrink Fit Chucks from WTE & YG-1

WTE shrink chucks are 100% made in Germany and are used by the world's leading Automotive, Aerospace and Mould & Die manufacturers. They have one of the biggest shrink chuck ranges in the world.

The YG-1 shrink chuck range offers exceptional value on the most popular tapers of BT, DIN69871 and HSK-A whilst maintaining exceptional quality and performance.

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## GEOMETRIES

### STANDARD 4.5°



The standard 4.5° profile is suitable for most milling & drilling requirements offering excellent clamping strength & rigidity with a much slimmer nose profile than side lock arbors or collet chucks.

### ULTRA SLIM 3°



Ultra Slim 3° nose profile for machining in narrow cavities or moulds. With as little as 3mm wall thickness, 3° shrink chucks can access places that are impossible with most other chucks.

### COOLANT DUCTS



Standard geometry with resealable coolant ducts in the nose of the holder. Ideal for stainless steel, aluminium or HRSA milling. See the range at [www.cutwel.co.uk](http://www.cutwel.co.uk)

### VOLUME SHRINK



Ultra-heavy duty shrink chuck with excellent dampening properties. Ideal for heavy machining. Available in HSK100 & SK50. See the range at [www.cutwel.co.uk](http://www.cutwel.co.uk)

## GAUGE LENGTHS

Lengths	BT			SK		HSK-A		HSK-E				HSK40F		PSC	DBT DSK
	30	40	50	40	50	63	100	32	40	50	63	40	63		
Standard (60-100mm)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Long (120mm)	-	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	-	✓	-	-
Extended (160mm)	-	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	-	✓	-	-
Extra Long (200mm)	-	✓	-	✓	-	✓	✓	-	-	-	-	-	-	-	-

Where the required gauge length is not available, a wide range of shrink extensions are available on page 1059

## TRANSFERABLE TORQUE WITH DIRECT CLAMPING

Clamping Diameter	3	4	5	6	8	10	12	14	16	18	20	25	32
Minimum clamping depth	12	16	20	26	26	31	37	37	40	40	42	48	52
Torque Nm*	4	11	17	24	45	82	145	190	200	290	450	530	700

\*Torque figures stated apply to WTE shrink chucks used with induction heated shrinking, used on the correct power setting. Overheating can cause distortion to the holder and a loss of clamping torque. In high temperature milling (e.g. titanium, inconel), clamping forces can be reduced due to heat transfer from the tool to the holder.

## APPLICATION GUIDE

Geometry	MILLING					HOLE MAKING			PROPERTIES		
	HPC	Rough	General	HSC	Finish	Drilling	Reaming	Tapping	Max. RPM	Run Out at 3 x D	Damping Qualities
STANDARD 4.5°	✓✓	✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✗			✗
SLIM 3°	✗	✗	✓✓	✓✓	✓✓	✓✓✓	✓✓✓	✗	25000 G2.5	0.003mm	✗
VOLUME SHRINK	✓✓	✓✓	✓✓✓	✓✓✓	✓✓	✓✓	✓✓	✗			✓✓

✓✓✓ = 1st Choice    ✓✓ = Highly Suitable    ✓ = Only suitable in some applications    ✗ = Not Recommended

**SHRINK FIT CHUCKS BT MAS, 4.5°**

Ultra-High Quality Shrink Fit Chucks From WTE (Made in Germany)



**SHRINK FIT CHUCK BT MAS**

- ▶ For carbide and HSS shanks
- ▶ Standard profile
- ▶ <160mm length
- ▶ Made in Germany
- ▶ AD/B though coolant (BT30 AD only)



P990



**BALANCED 25,000RPM • G2.5 - UP TO 40,000RPM BY REQUEST**

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
BT30	3	10	85	22.306.30.03.Z ▼	
	4	15		22.306.30.04.Z ▼	
	5	15		22.306.30.05.Z ▼	
	6	21		22.306.30.06.Z ▼	
	8	21		22.306.30.08.Z ▼	
	10	24		22.306.30.10.Z ▼	
	12	24		22.306.30.12.Z ▼	
	14	27		22.306.30.14.Z ▼	
	16	27		22.306.30.16.Z ▼	
	18	33		22.306.30.18.Z ▼	
20	33	22.306.30.20.Z ▼			
BT40	3	10	90	22.306.40.03.Z ▲	
			120	22.306.40.03.Z/120 ▲	
			160	22.306.40.03.Z/160 ▼	
	4	15	90	22.306.40.04.Z ▲	
			120	22.306.40.04.Z/120 ▼	
			160	22.306.40.04.Z/160 ▼	
	5	15	90	22.306.40.05.Z ▲	
			120	22.306.40.05.Z/120 ▲	
			160	22.306.40.05.Z/160 ▼	
	6	21	90	22.306.40.06.Z ▲	
			120	22.306.40.06.Z/120 ▲	
			160	22.306.40.06.Z/160 ▲	
	7	21	90	22.306.40.07.Z ▼	
			120	22.306.40.07.Z/120 ▼	
	8	21	90	22.306.40.08.Z ▲	
			120	22.306.40.08.Z/120 ▲	
			160	22.306.40.08.Z/160 ▲	
	9	21	90	22.306.40.09.Z ▼	
			120	22.306.40.09.Z/120 ▼	
	10	24	90	22.306.40.10.Z ▲	
			120	22.306.40.10.Z/120 ▲	
			160	22.306.40.10.Z/160 ▲	
	11	24	90	22.306.40.11.Z ▼	
			120	22.306.40.11.Z/120 ▼	
			160	22.306.40.11.Z/160 ▼	
	12	24	90	22.306.40.12.Z ▲	
			120	22.306.40.12.Z/120 ▲	
			160	22.306.40.12.Z/160 ▼	
	13	24	90	22.306.40.13.Z ▼	
			120	22.306.40.13.Z/120 ▼	
			160	22.306.40.13.Z/160 ▼	
	14	27	90	22.306.40.14.Z ▼	
120			22.306.40.14.Z/120 ▼		
160			22.306.40.14.Z/160 ▼		
15	27	90	22.306.40.15.Z ▼		
		120	22.306.40.15.Z/120 ▼		
16	27	90	22.306.40.16.Z ▲		
		120	22.306.40.16.Z/120 ▲		
		160	22.306.40.16.Z/160 ▲		
18	33	90	22.306.40.18.Z ▼		
		120	22.306.40.18.Z/120 ▼		
		160	22.306.40.18.Z/160 ▼		
20	33	90	22.306.40.20.Z ▲		
		120	22.306.40.20.Z/120 ▲		
		160	22.306.40.20.Z/160 ▼		
25	44	100	22.306.40.25.Z ▲		
		120	22.306.40.25.Z/120 ▲		
		160	22.306.40.25.Z/160 ▼		
32	44	100	22.306.40.32.Z ▲		
		120	22.306.40.32.Z/120 ▲		
		160	22.306.40.32.Z/160 ▼		

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
BT50	3	10	100	22.306.50.03.Z ▼	
			120	22.306.50.03.Z/120 ▼	
			160	22.306.50.03.Z/160 ▼	
	4	15	100	22.306.50.04.Z ▼	
			120	22.306.50.04.Z/120 ▼	
			160	22.306.50.04.Z/160 ▼	
	5	15	100	22.306.50.05.Z ▼	
			120	22.306.50.05.Z/120 ▼	
			160	22.306.50.05.Z/160 ▼	
	6	21	100	22.306.50.06.Z ▼	
			120	22.306.50.06.Z/120 ▼	
			160	22.306.50.06.Z/160 ▼	
	8	21	100	22.306.50.08.Z ▲	
			120	22.306.50.08.Z/120 ▼	
			160	22.306.50.08.Z/160 ▼	
	10	24	100	22.306.50.10.Z ▲	
			120	22.306.50.10.Z/120 ▲	
			160	22.306.50.10.Z/160 ▲	
12	24	100	22.306.50.12.Z ▲		
		120	22.306.50.12.Z/120 ▲		
		160	22.306.50.12.Z/160 ▲		
14	27	100	22.306.50.14.Z ▼		
		120	22.306.50.14.Z/120 ▼		
		160	22.306.50.14.Z/160 ▼		
16	27	100	22.306.50.16.Z ▲		
		120	22.306.50.16.Z/120 ▲		
		160	22.306.50.16.Z/160 ▲		
18	33	100	22.306.50.18.Z ▼		
		120	22.306.50.18.Z/120 ▼		
		160	22.306.50.18.Z/160 ▼		
20	33	100	22.306.50.20.Z ▲		
		120	22.306.50.20.Z/120 ▲		
		160	22.306.50.20.Z/160 ▲		
25	44	110	22.306.50.25.Z ▲		
		120	22.306.50.25.Z/120 ▲		
		160	22.306.50.25.Z/160 ▲		

**INDUCTION SHRINK MACHINES**  
FROM ENTRY LEVEL TO PROFESSIONAL

**Contact us today for a quotation**  
Demonstrations available on request

▲ UK stock - Generally x-stock for next day delivery ▼ European stock - Generally 2-3 days delivery (please check for lead times)

## SHRINK FIT CHUCKS BT MAS, 4.5° & 3°

Ultra-High Quality Shrink Fit Chucks From YG-1 (Made in South Korea) and WTE (Made in Germany)



### SHRINK FIT CHUCK BT MAS, 4.5°

- ▶ For carbide and HSS shanks
- ▶ Standard profile
- ▶ Made in South Korea
- ▶ AD/B though coolant
- ▶ <160mm length



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### ULTRA SLIM PROFILE 3°

- ▶ For carbide and HSS shanks
- ▶ Ultra slim 3° taper
- ▶ Made in Germany
- ▶ AD/B though coolant
- ▶ <200mm length



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BALANCED 25,000RPM • G2.5 - WTE CHUCKS UP TO 40,000RPM BY REQUEST

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE		
BT30	3	11	60	BT30AD/B-SFH3-60	▲		
	4	11		BT30AD/B-SFH4-60	▲		
	5	11		BT30AD/B-SFH5-60	▲		
	6	21		BT30AD/B-SFH6-60	▲		
	8	21		BT30AD/B-SFH8-60	▲		
	BT40	10	24	90	BT30AD/B-SFH10-80	▲	
		12	24		BT30AD/B-SFH12-80	▲	
		14	27		BT30AD/B-SFH14-80	▲	
		16	27		BT30AD/B-SFH16-80	▲	
		18	33		BT30AD/B-SFH18-80	▲	
20		33	BT30AD/B-SFH20-90		▲		
BT40		3	11		90	BT40AD/B-SFH3-90	▲
		4				BT40AD/B-SFH4-90	▲
		5				BT40AD/B-SFH5-90	▲
		6	21		90	BT40AD/B-SFH6-90	▲
	160			BT40AD/B-SFH6-160	▲		
	90			BT40AD/B-SFH8-90	▲		
	8	21	90	BT40AD/B-SFH8-90	▲		
			160	BT40AD/B-SFH8-160	▲		
			90	BT40AD/B-SFH10-90	▲		
	10	24	90	BT40AD/B-SFH10-90	▲		
			160	BT40AD/B-SFH10-160	▲		
			90	BT40AD/B-SFH12-90	▲		
	12	24	90	BT40AD/B-SFH12-90	▲		
			160	BT40AD/B-SFH12-160	▲		
			90	BT40AD/B-SFH14-90	▲		
14	27	90	BT40AD/B-SFH14-90	▲			
		160	BT40AD/B-SFH14-160	▲			
		90	BT40AD/B-SFH16-90	▲			
16	27	90	BT40AD/B-SFH16-90	▲			
		160	BT40AD/B-SFH16-160	▲			
		90	BT40AD/B-SFH18-90	▲			
18	33	90	BT40AD/B-SFH18-90	▲			
		160	BT40AD/B-SFH18-160	▲			
		90	BT40AD/B-SFH20-90	▲			
20	33	90	BT40AD/B-SFH20-90	▲			
		160	BT40AD/B-SFH20-160	▲			
		100	BT40AD/B-SFH25-100	▲			
25	44	100	BT40AD/B-SFH25-100	▲			
		160	BT40AD/B-SFH25-160	▲			
		BT50	3	11	100	BT50AD/B-SFH3-100	▲
4	BT50AD/B-SFH4-100		▲				
5	BT50AD/B-SFH5-100		▲				
6	21		100	BT50AD/B-SFH6-100	▲		
			160	BT50AD/B-SFH6-160	▲		
			100	BT50AD/B-SFH8-100	▲		
8	21		100	BT50AD/B-SFH8-100	▲		
			160	BT50AD/B-SFH8-160	▲		
			100	BT50AD/B-SFH10-100	▲		
10	24		100	BT50AD/B-SFH10-100	▲		
			160	BT50AD/B-SFH10-160	▲		
			100	BT50AD/B-SFH12-100	▲		
12	24		100	BT50AD/B-SFH12-100	▲		
			160	BT50AD/B-SFH12-160	▲		
			100	BT50AD/B-SFH14-100	▲		
14	27	100	BT50AD/B-SFH14-100	▲			
		160	BT50AD/B-SFH14-160	▲			
		100	BT50AD/B-SFH16-100	▲			
16	27	100	BT50AD/B-SFH16-100	▲			
		160	BT50AD/B-SFH16-160	▲			
		100	BT50AD/B-SFH18-100	▲			
18	33	100	BT50AD/B-SFH18-100	▲			
		160	BT50AD/B-SFH18-160	▲			
		100	BT50AD/B-SFH20-100	▲			
20	33	100	BT50AD/B-SFH20-100	▲			
		160	BT50AD/B-SFH20-160	▲			
		100	BT50AD/B-SFH25-100	▲			
25	44	100	BT50AD/B-SFH25-100	▲			
		160	BT50AD/B-SFH25-160	▲			

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
BT30	3	9	90	22.304.40.03.Z	▲
			120	22.304.40.03.Z/120	▲
			160	22.304.40.03.Z/160	▲
			200	22.304.40.03.Z/200	▼
			90	22.304.40.04.Z	▼
	4	10	120	22.304.40.04.Z/120	▲
			160	22.304.40.04.Z/160	▲
			200	22.304.40.04.Z/200	▼
			90	22.304.40.05.Z	▼
			120	22.304.40.05.Z/120	▲
5	11	160	22.304.40.05.Z/160	▲	
		200	22.304.40.05.Z/200	▼	
		90	22.304.40.06.Z	▲	
		120	22.304.40.06.Z/120	▲	
		160	22.304.40.06.Z/160	▲	
6	12	200	22.304.40.06.Z/200	▼	
		90	22.304.40.08.Z	▲	
		120	22.304.40.08.Z/120	▲	
		160	22.304.40.08.Z/160	▲	
		200	22.304.40.08.Z/200	▼	
8	14	90	22.304.40.10.Z	▲	
		120	22.304.40.10.Z/120	▲	
		160	22.304.40.10.Z/160	▲	
		200	22.304.40.10.Z/200	▼	
		90	22.304.40.12.Z	▲	
10	16	120	22.304.40.12.Z/120	▲	
		160	22.304.40.12.Z/160	▲	
		200	22.304.40.12.Z/200	▼	
		90	22.304.40.14.Z	▲	
		120	22.304.40.14.Z/120	▼	
12	18	160	22.304.40.14.Z/160	▼	
		200	22.304.40.14.Z/200	▼	
		90	22.304.40.16.Z	▲	
		120	22.304.40.16.Z/120	▲	
		160	22.304.40.16.Z/160	▲	
14	20	200	22.304.40.16.Z/200	▼	
		90	22.304.40.18.Z	▼	
		120	22.304.40.18.Z/120	▲	
		160	22.304.40.18.Z/160	▼	
		200	22.304.40.18.Z/200	▼	
16	22	90	22.304.40.20.Z	▲	
		120	22.304.40.20.Z/120	▲	
		160	22.304.40.20.Z/160	▼	
		200	22.304.40.20.Z/200	▼	
		90	22.304.40.22.Z	▲	
18	24	120	22.304.40.22.Z/120	▲	
		160	22.304.40.22.Z/160	▼	
		200	22.304.40.22.Z/200	▼	
		90	22.304.40.26.Z	▲	
		120	22.304.40.26.Z/120	▲	
20	26	160	22.304.40.26.Z/160	▼	
		200	22.304.40.26.Z/200	▼	

▲ UK stock - Generally x-stock for next day delivery ▼ European stock - Generally 2-3 days delivery (please check for lead times)



**SHRINK FIT CHUCKS DIN 69871, 4.5°**

Ultra-High Quality Shrink Fit Chucks From WTE (Made in Germany)



- ▶ For carbide and HSS shanks
- ▶ Standard profile
- ▶ Made in Germany
- ▶ AD/B though coolant



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BALANCED 25,000RPM • G2.5 - UP TO 40,000RPM BY REQUEST

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
SK40	3	10	80	15.306.40.03.Z ▲	
			120	15.306.40.03.Z/120 ▼	
			160	15.306.40.03.Z/160 ▼	
			200	15.306.40.03.Z/200 ▼	
	4	15	80	15.306.40.04.Z ▲	
			120	15.306.40.04.Z/120 ▲	
			160	15.306.40.04.Z/160 ▼	
			200	15.306.40.04.Z/200 ▼	
	5	15	80	15.306.40.05.Z ▲	
			120	15.306.40.05.Z/120 ▼	
			160	15.306.40.05.Z/160 ▼	
			200	15.306.40.05.Z/200 ▼	
	6	21	80	15.306.40.06.Z ▲	
			120	15.306.40.06.Z/120 ▲	
			160	15.306.40.06.Z/160 ▲	
			200	15.306.40.06.Z/200 ▼	
	7	21	80	15.306.40.07.Z ▼	
	8	21	80	15.306.40.08.Z ▲	
			120	15.306.40.08.Z/120 ▲	
			160	15.306.40.08.Z/160 ▲	
			200	15.306.40.08.Z/200 ▼	
	9	21	80	15.306.40.09.Z ▼	
	10	24	80	15.306.40.10.Z ▲	
			120	15.306.40.10.Z/120 ▲	
			160	15.306.40.10.Z/160 ▲	
			200	15.306.40.10.Z/200 ▼	
	11	24	80	15.306.40.11.Z ▼	
	12	24	80	15.306.40.12.Z ▲	
			120	15.306.40.12.Z/120 ▲	
			160	15.306.40.12.Z/160 ▲	
			200	15.306.40.12.Z/200 ▼	
	13	24	80	15.306.40.13.Z ▼	
	14	27	80	15.306.40.14.Z ▼	
			120	15.306.40.14.Z/120 ▲	
			160	15.306.40.14.Z/160 ▼	
			200	15.306.40.14.Z/200 ▼	
	15	27	80	15.306.40.15.Z ▼	
	16	27	80	15.306.40.16.Z ▲	
			120	15.306.40.16.Z/120 ▲	
			160	15.306.40.16.Z/160 ▲	
			200	15.306.40.16.Z/200 ▼	
	18	33	80	15.306.40.18.Z ▼	
			120	15.306.40.18.Z/120 ▼	
160			15.306.40.18.Z/160 ▼		
200			15.306.40.18.Z/200 ▼		
20	33	80	15.306.40.20.Z ▲		
		120	15.306.40.20.Z/120 ▲		
		160	15.306.40.20.Z/160 ▲		
		200	15.306.40.20.Z/200 ▼		
25	44	100	15.306.40.25.Z ▲		
		120	15.306.40.25.Z/120 ▲		
		160	15.306.40.25.Z/160 ▼		
		200	15.306.40.25.Z/200 ▼		
32	44	100	15.306.40.32.Z ▼		
		120	15.306.40.32.Z/120 ▼		
		160	15.306.40.32.Z/160 ▼		
		200	15.306.40.32.Z/200 ▼		

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
SK50	3	10	80	15.306.50.03.Z ▼	
			120	15.306.50.03.Z/120 ▼	
			160	15.306.50.03.Z/160 ▼	
	4	15	80	15.306.50.04.Z ▼	
			120	15.306.50.04.Z/120 ▼	
			160	15.306.50.04.Z/160 ▼	
	5	15	80	15.306.50.05.Z ▼	
			120	15.306.50.05.Z/120 ▼	
			160	15.306.50.05.Z/160 ▼	
	6	21	80	15.306.50.06.Z ▼	
			120	15.306.50.06.Z/120 ▼	
			160	15.306.50.06.Z/160 ▼	
	8	21	80	15.306.50.08.Z ▼	
			120	15.306.50.08.Z/120 ▼	
			160	15.306.50.08.Z/160 ▼	
	10	24	80	15.306.50.10.Z ▼	
			120	15.306.50.10.Z/120 ▼	
			160	15.306.50.10.Z/160 ▼	
	12	24	80	15.306.50.12.Z ▼	
			120	15.306.50.12.Z/120 ▼	
			160	15.306.50.12.Z/160 ▼	
	14	27	80	15.306.50.14.Z ▼	
			120	15.306.50.14.Z/120 ▼	
			160	15.306.50.14.Z/160 ▼	
	16	27	80	15.306.50.16.Z ▼	
			120	15.306.50.16.Z/120 ▼	
			160	15.306.50.16.Z/160 ▼	
	18	33	80	15.306.50.18.Z ▼	
			120	15.306.50.18.Z/120 ▼	
			160	15.306.50.18.Z/160 ▼	
	20	33	80	15.306.50.20.Z ▼	
			120	15.306.50.20.Z/120 ▼	
			160	15.306.50.20.Z/160 ▼	
	25	44	100	15.306.50.25.Z ▼	
			120	15.306.50.25.Z/120 ▼	
			160	15.306.50.25.Z/160 ▼	
	32	44	100	15.306.50.32.Z ▼	
			120	15.306.50.32.Z/120 ▼	
			160	15.306.50.32.Z/160 ▼	

**INDUCTION SHRINK MACHINES**  
FROM ENTRY LEVEL TO PROFESSIONAL



Contact us today for a quotation  
Demonstrations available on request

▲ UK stock - Generally x-stock for next day delivery ▼ European stock - Generally 2-3 days delivery (please check for lead times)

## SHRINK FIT CHUCKS DIN 69871, 4.5° & 3°

Ultra-High Quality Shrink Fit Chucks From YG-1 (Made in South Korea) and WTE (Made in Germany)



### 4.5°

- ▶ For carbide and HSS shanks
- ▶ Standard profile
- ▶ Made in South Korea
- ▶ AD/B though coolant



P990



### ULTRA SLIM PROFILE 3°

- ▶ For carbide and HSS shanks
- ▶ Ultra slim 3° taper
- ▶ Made in Germany
- ▶ AD/B though coolant



P990



BALANCED 25,000RPM • G2.5 - WTE CHUCKS UP TO 40,000RPM BY REQUEST

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
SK40	3	11	80	SK40AD/B-SFH3-80 ▲	
	4		80	SK40AD/B-SFH4-80 ▲	
	5		80	SK40AD/B-SFH5-80 ▲	
	6	21	80	SK40AD/B-SFH6-80 ▲	
			160	SK40AD/B-SFH6-160 ▲	
	8	21	80	SK40AD/B-SFH8-80 ▲	
			160	SK40AD/B-SFH8-160 ▲	
	10	24	80	SK40AD/B-SFH10-80 ▲	
			160	SK40AD/B-SFH10-160 ▲	
	12	24	80	SK40AD/B-SFH12-80 ▲	
			160	SK40AD/B-SFH12-160 ▲	
	14	27	80	SK40AD/B-SFH14-80 ▲	
			160	SK40AD/B-SFH14-160 ▲	
	16	27	80	SK40AD/B-SFH16-80 ▲	
160			SK40AD/B-SFH16-160 ▲		
18	33	80	SK40AD/B-SFH18-80 ▲		
		160	SK40AD/B-SFH18-160 ▲		
20	33	80	SK40AD/B-SFH20-80 ▲		
		160	SK40AD/B-SFH20-160 ▲		
25	44	90	SK40AD/B-SFH25-90 ▲		
		160	SK40AD/B-SFH25-160 ▲		
SK50	3	11	100	SK50AD/B-SFH3-80 ▲	
			100	SK50AD/B-SFH4-80 ▲	
			100	SK50AD/B-SFH5-80 ▲	
	6	21	80	SK50AD/B-SFH6-80 ▲	
			160	SK50AD/B-SFH6-160 ▲	
	8	21	80	SK50AD/B-SFH8-80 ▲	
			160	SK50AD/B-SFH8-160 ▲	
	10	24	80	SK50AD/B-SFH10-80 ▲	
			160	SK50AD/B-SFH10-160 ▲	
	12	24	80	SK50AD/B-SFH12-80 ▲	
			160	SK50AD/B-SFH12-160 ▲	
	14	27	80	SK50AD/B-SFH14-80 ▲	
			160	SK50AD/B-SFH14-160 ▲	
	16	27	80	SK50AD/B-SFH16-80 ▲	
			160	SK50AD/B-SFH16-160 ▲	
	18	33	80	SK50AD/B-SFH18-80 ▲	
			160	SK50AD/B-SFH18-160 ▲	
	20	33	80	SK50AD/B-SFH20-80 ▲	
160			SK50AD/B-SFH20-160 ▲		
25	44	90	SK50AD/B-SFH25-90 ▲		
		160	SK50AD/B-SFH25-160 ▲		

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
SK40	3	9	80	15.304.40.03.Z ▼	
			120	15.304.40.03.Z/120 ▼	
			160	15.304.40.03.Z/160 ▼	
			200	15.304.40.03.Z/200 ▼	
	4	10	80	15.304.40.04.Z ▼	
			120	15.304.40.04.Z/120 ▲	
			160	15.304.40.04.Z/160 ▲	
			200	15.304.40.04.Z/200 ▼	
	5	11	80	15.304.40.05.Z ▼	
			120	15.304.40.05.Z/120 ▼	
			160	15.304.40.05.Z/160 ▼	
			200	15.304.40.05.Z/200 ▼	
	6	12	80	15.304.40.06.Z ▲	
			120	15.304.40.06.Z/120 ▲	
			160	15.304.40.06.Z/160 ▲	
			200	15.304.40.06.Z/200 ▼	
	8	14	80	15.304.40.08.Z ▲	
			120	15.304.40.08.Z/120 ▲	
			160	15.304.40.08.Z/160 ▲	
			200	15.304.40.08.Z/200 ▲	
	10	16	80	15.304.40.10.Z ▲	
			120	15.304.40.10.Z/120 ▲	
			160	15.304.40.10.Z/160 ▲	
			200	15.304.40.10.Z/200 ▼	
12	18	80	15.304.40.12.Z ▲		
		120	15.304.40.12.Z/120 ▲		
		160	15.304.40.12.Z/160 ▲		
		200	15.304.40.12.Z/200 ▼		
14	20	80	15.304.40.14.Z ▼		
		120	15.304.40.14.Z/120 ▼		
		160	15.304.40.14.Z/160 ▼		
		200	15.304.40.14.Z/200 ▼		
16	22	80	15.304.40.16.Z ▲		
		120	15.304.40.16.Z/120 ▲		
		160	15.304.40.16.Z/160 ▼		
		200	15.304.40.16.Z/200 ▼		
18	24	80	15.304.40.18.Z ▼		
		120	15.304.40.18.Z/120 ▼		
		160	15.304.40.18.Z/160 ▼		
		200	15.304.40.18.Z/200 ▼		
20	26	80	15.304.40.20.Z ▼		
		120	15.304.40.20.Z/120 ▼		
		160	15.304.40.20.Z/160 ▼		
		200	15.304.40.20.Z/200 ▼		

▲ UK stock - Generally x-stock for next day delivery ▼ European stock - Generally 2-3 days delivery (please check for lead times)



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## SHRINK FIT CHUCKS HSK-A, 4.5°

Ultra-High Quality Shrink Fit Chucks From WTE (Made in Germany)

- ▶ For carbide and HSS shanks
- ▶ Standard profile
- ▶ Made in Germany
- ▶ AD though coolant



BALANCED 25,000RPM • G2.5 - UP TO 40,000RPM BY REQUEST

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE	Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
HSK63 A	3	10	80	16.306.63.03.Z ▲		HSK100 A	6	21	85	16.306.100.06.Z ▼	
			120	16.306.63.03.Z/120 ▲					120	16.306.100.06.Z/120 ▼	
			160	16.306.63.03.Z/160 ▼					160	16.306.100.06.Z/160 ▼	
			200	16.306.63.03.Z/200 ▼					200	16.306.100.06.Z/200 ▼	
	4	15	80	16.306.63.04.Z ▲			85	16.306.100.08.Z ▼			
			120	16.306.63.04.Z/120 ▲			120	16.306.100.08.Z/120 ▼			
			160	16.306.63.04.Z/160 ▼			160	16.306.100.08.Z/160 ▼			
			200	16.306.63.04.Z/200 ▼			200	16.306.100.08.Z/200 ▼			
	5	15	80	16.306.63.05.Z ▲			10	24	90	16.306.100.10.Z ▼	
			120	16.306.63.05.Z/120 ▲					120	16.306.100.10.Z/120 ▼	
			160	16.306.63.05.Z/160 ▼					160	16.306.100.10.Z/160 ▼	
			200	16.306.63.05.Z/200 ▼					200	16.306.100.10.Z/200 ▼	
	6	21	80	16.306.63.06.Z ▲		12	24	95	16.306.100.12.Z ▼		
			120	16.306.63.06.Z/120 ▲				120	16.306.100.12.Z/120 ▼		
			160	16.306.63.06.Z/160 ▼				160	16.306.100.12.Z/160 ▼		
			200	16.306.63.06.Z/200 ▼				200	16.306.100.12.Z/200 ▼		
	7	21	80	16.306.63.07.Z ▼		14	27	95	16.306.100.14.Z ▼		
			80	16.306.63.08.Z ▲				120	16.306.100.14.Z/120 ▼		
			120	16.306.63.08.Z/120 ▲				160	16.306.100.14.Z/160 ▼		
			160	16.306.63.08.Z/160 ▲				200	16.306.100.14.Z/200 ▼		
	8	21	160	16.306.63.08.Z/160 ▲		16	27	100	16.306.100.16.Z ▼		
			200	16.306.63.08.Z/200 ▼				120	16.306.100.16.Z/120 ▼		
			80	16.306.63.09.Z ▼				160	16.306.100.16.Z/160 ▼		
			120	16.306.63.10.Z ▲				200	16.306.100.16.Z/200 ▼		
	9	21	80	16.306.63.09.Z ▼		18	33	100	16.306.100.18.Z ▼		
			120	16.306.63.10.Z/120 ▲				120	16.306.100.18.Z/120 ▼		
			160	16.306.63.10.Z/160 ▼				160	16.306.100.18.Z/160 ▼		
			200	16.306.63.10.Z/200 ▼				200	16.306.100.18.Z/200 ▼		
	10	24	85	16.306.63.11.Z ▼		20	33	105	16.306.100.20.Z ▼		
			90	16.306.63.12.Z ▲				120	16.306.100.20.Z/120 ▼		
			120	16.306.63.12.Z/120 ▲				160	16.306.100.20.Z/160 ▼		
			160	16.306.63.12.Z/160 ▼				200	16.306.100.20.Z/200 ▼		
11	24	85	16.306.63.11.Z ▼		25	44	115	16.306.100.25.Z ▼			
		90	16.306.63.12.Z ▲				120	16.306.100.25.Z/120 ▼			
		120	16.306.63.12.Z/120 ▲				160	16.306.100.25.Z/160 ▼			
		160	16.306.63.12.Z/160 ▼				200	16.306.100.25.Z/200 ▼			
12	24	90	16.306.63.13.Z ▼		32	44	120	16.306.100.32.Z ▼			
		90	16.306.63.14.Z ▼				160	16.306.100.32.Z/160 ▼			
		120	16.306.63.14.Z/120 ▲				200	16.306.100.32.Z/200 ▼			
		160	16.306.63.14.Z/160 ▼								
13	24	90	16.306.63.13.Z ▼								
		120	16.306.63.14.Z/120 ▲								
		160	16.306.63.14.Z/160 ▼								
		200	16.306.63.14.Z/200 ▼								
14	27	90	16.306.63.14.Z ▼								
		120	16.306.63.14.Z/120 ▲								
		160	16.306.63.14.Z/160 ▼								
		200	16.306.63.14.Z/200 ▼								
15	27	90	16.306.63.15.Z ▼								
		95	16.306.63.16.Z ▲								
		120	16.306.63.16.Z/120 ▲								
		160	16.306.63.16.Z/160 ▼								
16	27	160	16.306.63.16.Z/160 ▼								
		200	16.306.63.16.Z/200 ▼								
		95	16.306.63.18.Z ▼								
		120	16.306.63.18.Z/120 ▼								
18	33	120	16.306.63.18.Z/120 ▼								
		160	16.306.63.18.Z/160 ▼								
		200	16.306.63.18.Z/200 ▼								
		100	16.306.63.20.Z ▲								
20	33	120	16.306.63.20.Z/120 ▲								
		160	16.306.63.20.Z/160 ▼								
		200	16.306.63.20.Z/200 ▼								
		115	16.306.63.25.Z ▲								
25	44	120	16.306.63.25.Z/120 ▼								
		160	16.306.63.25.Z/160 ▼								
		200	16.306.63.25.Z/200 ▼								
		120	16.306.63.32.Z ▲								
32	44	160	16.306.63.32.Z/160 ▼								
		200	16.306.63.32.Z/200 ▼								

**INDUCTION SHRINK MACHINES**  
FROM ENTRY LEVEL TO PROFESSIONAL

**Contact us today for a quotation**  
Demonstrations available on request

▲ UK stock - Generally x-stock for next day delivery ▼ European stock - Generally 2-3 days delivery (please check for lead times)



## SHRINK FIT CHUCKS HSK-A, 4.5° & 3°

Ultra-High Quality Shrink Fit Chucks From YG-1 (Made in South Korea) and WTE (Made in Germany)

### 4.5°

- ▶ For carbide and HSS shanks
- ▶ Standard profile
- ▶ Made in South Korea
- ▶ AD though coolant



### ULTRA SLIM PROFILE 3°

- ▶ For carbide and HSS shanks
- ▶ Ultra slim 3° taper
- ▶ Made in Germany
- ▶ AD though coolant



BALANCED 25,000RPM • G2.5 - WTE CHUCKS UP TO 40,000RPM BY REQUEST

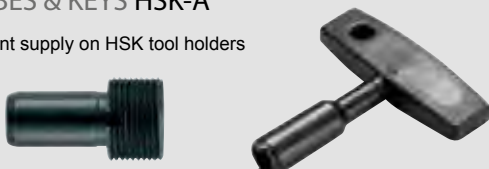
Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
HSK63 A	3	11	80	HSK63A-SFH3-80 ▲	
	4		80	HSK63A-SFH4-80 ▲	
	5		80	HSK63A-SFH5-80 ▲	
	6	21	80	HSK63A-SFH6-80 ▲	
			160	HSK63A-SFH6-160 ▲	
	8	21	80	HSK63A-SFH8-80 ▲	
			160	HSK63A-SFH8-160 ▲	
	10	24	85	HSK63A-SFH10-85 ▲	
			160	HSK63A-SFH10-160 ▲	
	12	24	90	HSK63A-SFH12-90 ▲	
			160	HSK63A-SFH12-160 ▲	
	14	27	90	HSK63A-SFH14-90 ▲	
			160	HSK63A-SFH14-160 ▲	
	16	27	95	HSK63A-SFH16-95 ▲	
			160	HSK63A-SFH16-160 ▲	
	18	33	95	HSK63A-SFH18-95 ▲	
160			HSK63A-SFH18-160 ▲		
20	33	100	HSK63A-SFH20-100 ▲		
		160	HSK63A-SFH20-160 ▲		
25	44	115	HSK63A-SFH25-115 ▲		
		160	HSK63A-SFH25-160 ▲		
HSK100 A	3	11	85	HSK100A-SFH3-85 ▲	
			85	HSK100A-SFH4-85 ▲	
			85	HSK100A-SFH5-85 ▲	
	6	21	85	HSK100A-SFH6-85 ▲	
			160	HSK100A-SFH6-160 ▲	
	8	21	85	HSK100A-SFH8-85 ▲	
			160	HSK100A-SFH8-160 ▲	
	10	24	90	HSK100A-SFH10-90 ▲	
			160	HSK100A-SFH10-160 ▲	
	12	24	95	HSK100A-SFH12-95 ▲	
			160	HSK100A-SFH12-160 ▲	
	14	27	95	HSK100A-SFH14-95 ▲	
			160	HSK100A-SFH14-160 ▲	
	16	27	100	HSK100A-SFH16-100 ▲	
			160	HSK100A-SFH16-160 ▲	
	18	33	100	HSK100A-SFH18-100 ▲	
160			HSK100A-SFH18-160 ▲		
20	33	100	HSK100A-SFH20-100 ▲		
		160	HSK100A-SFH20-160 ▲		
25	44	115	HSK100A-SFH25-115 ▲		
		160	HSK100A-SFH25-160 ▲		

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
HSK63 A	3	9	80	16.304.63.03.Z ▼	
			120	16.304.63.03.Z/120 ▼	
			160	16.304.63.03.Z/160 ▼	
	4	10	80	16.304.63.04.Z ▼	
			120	16.304.63.04.Z/120 ▲	
			160	16.304.63.04.Z/160 ▲	
	5	11	80	16.304.63.05.Z ▼	
			120	16.304.63.05.Z/120 ▼	
			160	16.304.63.05.Z/160 ▼	
	6	12	80	16.304.63.06.Z ▲	
			120	16.304.63.06.Z/120 ▲	
			160	16.304.63.06.Z/160 ▲	
	8	14	80	16.304.63.08.Z ▲	
			120	16.304.63.08.Z/120 ▲	
			160	16.304.63.08.Z/160 ▲	
	10	16	80	16.304.63.10.Z ▲	
120			16.304.63.10.Z/120 ▲		
160			16.304.63.10.Z/160 ▲		
12	18	85	16.304.63.10.Z/200 ▼		
		90	16.304.63.10.Z/200 ▼		
		120	16.304.63.10.Z/200 ▼		
14	20	90	16.304.63.12.Z ▲		
		120	16.304.63.12.Z/120 ▲		
		160	16.304.63.12.Z/160 ▲		
16	22	160	16.304.63.12.Z/200 ▼		
		90	16.304.63.14.Z ▼		
		120	16.304.63.14.Z/120 ▼		
18	24	160	16.304.63.14.Z/160 ▼		
		200	16.304.63.14.Z/200 ▼		
		95	16.304.63.16.Z ▲		
20	26	120	16.304.63.16.Z/120 ▲		
		160	16.304.63.16.Z/160 ▲		
		200	16.304.63.16.Z/200 ▼		
20	26	95	16.304.63.18.Z ▼		
		120	16.304.63.18.Z/120 ▼		
		160	16.304.63.18.Z/160 ▼		
20	26	200	16.304.63.18.Z/200 ▼		
		100	16.304.63.20.Z ▼		
		120	16.304.63.20.Z/120 ▼		
20	26	160	16.304.63.20.Z/160 ▼		
		200	16.304.63.20.Z/200 ▼		

▲ UK stock - Generally x-stock for next day delivery ▼ European stock - Generally 2-3 days delivery (please check for lead times)

### COOLANT TUBES & KEYS HSK-A

- ▶ For through coolant supply on HSK tool holders (sold separately)



	HSK50-A	HSK63-A	HSK100-A
COOLANT TUBE	950APR01	963APR01	910APR01
COOLANT TUBE KEY	950CHVAR	963CHVAR	910CHVAR





## SHRINK FIT CHUCKS HSK-E, 4.5°

Ultra-High Quality Shrink Fit Chucks From WTE (Made in Germany)

- ▶ For carbide and HSS shanks
- ▶ Standard profile
- ▶ Made in Germany
- ▶ AD though coolant



BALANCED 25,000RPM • G2.5 - UP TO 40,000RPM BY REQUEST

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE	Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
HSK32 E	3	10	60	18.306.32.03.Z	▼	HSK50 E	14	27	90	18.306.50.14.Z	▼
	4	10	60	18.306.32.04.Z	▼				120	18.306.50.14.Z/120	▼
	5	10	60	18.306.32.05.Z	▼				160	18.306.50.14.Z/160	▼
	6	21	70	18.306.32.06.Z	▼		16	27	95	18.306.50.16.Z	▼
	8	21	70	18.306.32.08.Z	▼				120	18.306.50.16.Z/120	▼
	10	24	75	18.306.32.10.Z	▼				160	18.306.50.16.Z/160	▼
HSK40 E	3	10	60	18.306.40.03.Z	▼	18	33	95	18.306.50.18.Z	▼	
			120	18.306.40.03.Z/120	▼			120	18.306.50.18.Z/120	▼	
			160	18.306.40.03.Z/160	▼			160	18.306.50.18.Z/160	▼	
	4	10	60	18.306.40.04.Z	▼	20	33	100	18.306.50.20.Z	▼	
			15	120	18.306.40.04.Z/120			▼	120	18.306.50.20.Z/120	▼
			15	160	18.306.40.04.Z/160			▼	160	18.306.50.20.Z/160	▼
	5	10	60	18.306.40.05.Z	▼	3	10	80	18.306.63.03.Z	▼	
			15	120	18.306.40.05.Z/120			▼	120	18.306.63.03.Z/120	▼
			15	160	18.306.40.05.Z/160			▼	160	18.306.63.03.Z/160	▼
	6	21	80	18.306.40.06.Z	▼	4	15	80	18.306.63.04.Z	▼	
			120	18.306.40.06.Z/120	▼			120	18.306.63.04.Z/120	▼	
			160	18.306.40.06.Z/160	▼			160	18.306.63.04.Z/160	▼	
	8	21	80	18.306.40.08.Z	▼	5	15	80	18.306.63.05.Z	▼	
			120	18.306.40.08.Z/120	▼			120	18.306.63.05.Z/120	▼	
			160	18.306.40.08.Z/160	▼			160	18.306.63.05.Z/160	▼	
		10	24	80	18.306.40.10.Z	▼	6	21	80	18.306.63.06.Z	▼
				120	18.306.40.10.Z/120	▼			120	18.306.63.06.Z/120	▼
				160	18.306.40.10.Z/160	▼			160	18.306.63.06.Z/160	▼
	12	24	90	18.306.40.12.Z	▼	8	21	80	18.306.63.08.Z	▼	
			120	18.306.40.12.Z/120	▼			120	18.306.63.08.Z/120	▼	
			160	18.306.40.12.Z/160	▼			160	18.306.63.08.Z/160	▼	
	14	27	90	18.306.40.14.Z	▼	10	24	85	18.306.63.10.Z	▼	
			120	18.306.40.14.Z/120	▼			120	18.306.63.10.Z/120	▼	
			160	18.306.40.14.Z/160	▼			160	18.306.63.10.Z/160	▼	
16	27	90	18.306.40.16.Z	▼	12	24	90	18.306.63.12.Z	▼		
		120	18.306.40.16.Z/120	▼			120	18.306.63.12.Z/120	▼		
		160	18.306.40.16.Z/160	▼			160	18.306.63.12.Z/160	▼		
	3	10	80	18.306.50.03.Z	▼	14	27	90	18.306.63.14.Z	▼	
			120	18.306.50.03.Z/120	▼			120	18.306.63.14.Z/120	▼	
			160	18.306.50.03.Z/160	▼			160	18.306.63.14.Z/160	▼	
4	15	80	18.306.50.04.Z	▼	16	27	95	18.306.63.16.Z	▼		
		120	18.306.50.04.Z/120	▼			120	18.306.63.16.Z/120	▼		
		160	18.306.50.04.Z/160	▼			160	18.306.63.16.Z/160	▼		
5	15	80	18.306.50.05.Z	▼	18	33	95	18.306.63.18.Z	▼		
		120	18.306.50.05.Z/120	▼			120	18.306.63.18.Z/120	▼		
		160	18.306.50.05.Z/160	▼			160	18.306.63.18.Z/160	▼		
6	21	80	18.306.50.06.Z	▼	20	33	100	18.306.63.20.Z	▼		
		120	18.306.50.06.Z/120	▼			120	18.306.63.20.Z/120	▼		
		160	18.306.50.06.Z/160	▼			160	18.306.63.20.Z/160	▼		
8	21	80	18.306.50.08.Z	▼	25	44	115	18.306.63.25.Z	▼		
		120	18.306.50.08.Z/120	▼			120	18.306.63.25.Z/120	▼		
		160	18.306.50.08.Z/160	▼			160	18.306.63.25.Z/160	▼		
10	24	85	18.306.50.10.Z	▼	32	44	120	18.306.63.32.Z	▼		
		120	18.306.50.10.Z/120	▼			120	18.306.63.32.Z/120	▼		
		160	18.306.50.10.Z/160	▼			160	18.306.63.32.Z/160	▼		
12	24	90	18.306.50.12.Z	▼							
		120	18.306.50.12.Z/120	▼							
		160	18.306.50.12.Z/160	▼							

### COOLANT TUBES & KEYS HSK-E

- ▶ For through coolant supply on HSK tool holders (sold separately)

	HSK40-E	HSK50-E	HSK63-E
COOLANT TUBE	950APR02	950APR01	963APR01
COOLANT TUBE KEY	816-204022	950CHVAR	963CHVAR

▲ UK stock - Generally x-stock for next day delivery ▼ European stock - Generally 2-3 days delivery (please check for lead times)



## SHRINK FIT CHUCKS HSK-F, 4.5° & 3°

Ultra-High Quality Shrink Fit Chucks From WTE (Made in Germany)

### 4.5°

- ▶ For carbide and HSS shanks
- ▶ Standard profile
- ▶ Made in South Korea
- ▶ AD though coolant



### ULTRA SLIM PROFILE 3°

- ▶ For carbide and HSS shanks
- ▶ Ultra slim 3° taper
- ▶ Made in Germany
- ▶ AD though coolant



BALANCED 25,000RPM • G2.5 - WTE CHUCKS UP TO 40,000RPM BY REQUEST

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
HSK40 F	3	10	60	17.306.40.03 ▼	
	4	10	60	17.306.40.04 ▼	
	5	10	60	17.306.40.05 ▼	
	6	21	80	17.306.40.06 ▼	
	8	21	80	17.306.40.08 ▼	
	10	24	80	17.306.40.10 ▼	
HSK63 F	3	10	80	17.306.63.03 ▼	
			120	17.306.63.03/120 ▼	
			160	17.306.63.03/160 ▼	
	4	15	80	17.306.63.04 ▼	
			120	17.306.63.04/120 ▲	
			160	17.306.63.04/160 ▼	
	5	15	80	17.306.63.05 ▼	
			120	17.306.63.05/120 ▼	
			160	17.306.63.05/160 ▼	
	6	21	80	17.306.63.06 ▼	
			120	17.306.63.06/120 ▼	
			160	17.306.63.06/160 ▼	
	8	21	80	17.306.63.08 ▼	
			120	17.306.63.08/120 ▼	
			160	17.306.63.08/160 ▼	
	10	24	85	17.306.63.10 ▼	
			120	17.306.63.10/120 ▼	
			160	17.306.63.10/160 ▼	
	12	24	90	17.306.63.12 ▼	
			120	17.306.63.12/120 ▼	
			160	17.306.63.12/160 ▼	
	14	27	90	17.306.63.14 ▼	
			120	17.306.63.14/120 ▼	
			160	17.306.63.14/160 ▼	
16	27	95	17.306.63.16 ▼		
		120	17.306.63.16/120 ▼		
		160	17.306.63.16/160 ▼		
18	33	95	17.306.63.18 ▼		
		120	17.306.63.18/120 ▼		
		160	17.306.63.18/160 ▼		
20	33	100	17.306.63.20 ▼		
		120	17.306.63.20/120 ▼		
		160	17.306.63.20/160 ▼		
25	44	115	17.306.63.25 ▼		
		120	17.306.63.25/120 ▼		
		160	17.306.63.25/160 ▼		
32	44	120	17.306.63.32 ▼		

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
HSK63 F	3	9	80	17.304.63.03 ▼	
			120	17.304.63.03/120 ▼	
			160	17.304.63.03/160 ▼	
	4	10	80	17.304.63.04 ▼	
			120	17.304.63.04/120 ▼	
			160	17.304.63.04/160 ▼	
	5	11	80	17.304.63.05 ▼	
			120	17.304.63.05/120 ▼	
			160	17.304.63.05/160 ▼	
	6	12	80	17.304.63.06 ▼	
			120	17.304.63.06/120 ▼	
			160	17.304.63.06/160 ▼	
8	14	80	17.304.63.08 ▼		
		120	17.304.63.08/120 ▼		
		160	17.304.63.08/160 ▼		
10	16	85	17.304.63.10 ▼		
		120	17.304.63.10/120 ▼		
		160	17.304.63.10/160 ▼		
12	18	90	17.304.63.12 ▼		
		120	17.304.63.12/120 ▼		
		160	17.304.63.12/160 ▼		
14	20	90	17.304.63.14 ▼		
		120	17.304.63.14/120 ▼		
		160	17.304.63.14/160 ▼		
16	22	95	17.304.63.16 ▼		
		120	17.304.63.16/120 ▼		
		160	17.304.63.16/160 ▼		
18	24	95	17.304.63.18 ▼		
		120	17.304.63.18/120 ▼		
		160	17.304.63.18/160 ▼		
20	27	100	17.304.63.20 ▼		
		120	17.304.63.20/120 ▼		
		160	17.304.63.20/160 ▼		

### COOLANT TUBES & KEYS HSK-F

- ▶ For through coolant supply on HSK tool holders (sold separately)

	HSK50-F	HSK63-F
COOLANT TUBE	950APR02	950APR01
COOLANT TUBE KEY	816-204022	950CHVAR

▲ UK stock - Generally x-stock for next day delivery ▼ European stock - Generally 2-3 days delivery (please check for lead times)

### INDUCTION SHRINK MACHINES FROM ENTRY LEVEL TO PROFESSIONAL



Contact us today for a quotation  
Demonstrations available on request





**SHRINK FIT CHUCKS POLYGON TAPER & DOUBLE CONTACT, 4.5°**

Ultra-High Quality Shrink Fit Chucks From Cutwel

**POLYGON TAPER PSC, 4.5°**

- ▶ For carbide and HSS shanks
- ▶ Standard profile
- ▶ Compatible with Capto spindles
- ▶ AD though coolant



**DOUBLE CONTACT DBT & DSK, 4.5°**

- ▶ For carbide and HSS shanks
- ▶ Standard profile
- ▶ AD/B though coolant

**DOUBLE CONTACT**



BALANCED 25,000RPM • G2.5

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
PSC63	3	10	80	C63H80K03-HTT	▼
	4			C63H80K04-HTT	▼
	5			C63H80K05-HTT	▼
	6	21	80	C63H80K06-HTT	▼
				100	C63H100K06-HTT
	8	21	80	C63H80K08-HTT	▼
			100	C63H100K08-HTT	▼
	10	24	80	C63H80K10-HTT	▼
			100	C63H100K10-HTT	▼
	12	24	80	C63H80K12-HTT	▼
			100	C63H100K12-HTT	▼
	14	27	85	C63H85K14-HTT	▼
			100	C63H100K14-HTT	▼
	16	27	85	C63H85K16-HTT	▼
			100	C63H100K16-HTT	▼
	18	33	85	C63H85K18-HTT	▼
			100	C63H100K18-HTT	▼
	20	33	85	C63H85K20-HTT	▼
			100	C63H100K20-HTT	▼
	25	44	90	C63H90K25-HTT	▼
95			C63H95K32-HTT	▼	

BALANCED 25,000RPM • G2.5

Taper	Shank Dia.	Nose Dia.	Gauge Length	ORDER CODE	PRICE
DBT40 (BT MAS)	6	21	90	DBT40H90K06-HTT	▼
	8	21	90	DBT40H90K08-HTT	▼
	10	24	90	DBT40H90K10-HTT	▼
	12	24	90	DBT40H90K12-HTT	▼
	16	27	90	DBT40H90K16-HTT	▼
	20	33	100	DBT40H100K20-HTT	▼
	25	44	100	DBT40H100K25-HTT	▼
	32	44	100	DBT40H100K32-HTT	▼
DSK40 (DIN 69871)	6	21	90	DSK40H90K06-HTT	▼
	8	21	90	DSK40H90K08-HTT	▼
	10	24	90	DSK40H90K10-HTT	▼
	12	24	90	DSK40H90K12-HTT	▼
	16	27	90	DSK40H90K16-HTT	▼
	20	33	100	DSK40H100K20-HTT	▼
	25	44	100	DSK40H100K25-HTT	▼
	32	44	100	DSK40H100K32-HTT	▼

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**INDUCTION SHRINK MACHINES**  
FROM ENTRY LEVEL TO PROFESSIONAL

Contact us today for a quotation  
Demonstrations available on request

**SHRINK EXTENSIONS & LENGTH PRESETTERS**



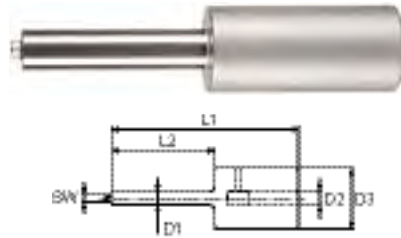
**SHRINK FIT CHUCK EXTENSIONS 4.5°**

- ▶ For carbide and HSS shanks
- ▶ Slim nose profile
- ▶ Available in 120mm or 160mm lengths
- ▶ Made in South Korea



**SHRINK FIT CHUCK LENGTH PRESETTER\***

- ▶ For easy length presetting of the tools before the shrink process
- ▶ When used correctly shrinkage accuracies of ± 0.02 mm can be achieved



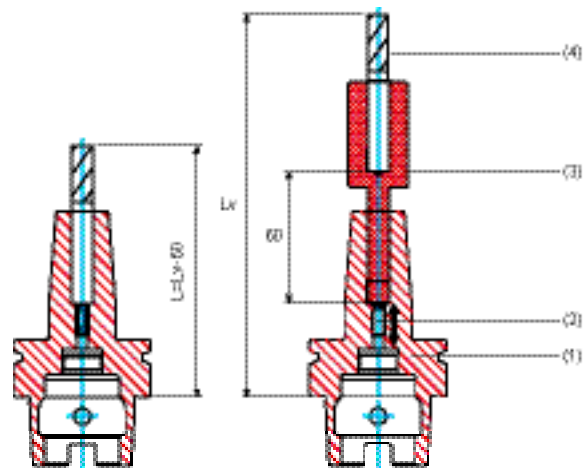
D1	D2	D3	L1	L2	ORDER CODE	PRICE
12	3	8	19	120	ST12-SFH3-120	▲
				160	ST12-SFH3-160	▲
	4	8	22	120	ST12-SFH4-120	▲
				160	ST12-SFH4-160	▲
	5	10	28	120	ST12-SFH5-120	▲
				160	ST12-SFH5-160	▲
6	10	36	120	ST12-SFH6-120	▲	
			160	ST12-SFH6-160	▲	
16	3	10	19	120	ST16-SFH3-120	▲
				160	ST16-SFH3-160	▲
	4	10	22	120	ST16-SFH4-120	▲
				160	ST16-SFH4-160	▲
	5	10	28	120	ST16-SFH5-120	▲
				160	ST16-SFH5-160	▲
6	10	36	120	ST16-SFH6-120	▲	
			160	ST16-SFH6-160	▲	
20	3	10	19	120	ST20-SFH3-120	▲
				160	ST20-SFH3-160	▲
	4	10	22	120	ST20-SFH4-120	▲
				160	ST20-SFH4-160	▲
	5	10	28	120	ST20-SFH5-120	▲
				160	ST20-SFH5-160	▲
6	10	36	120	ST20-SFH6-120	▲	
			160	ST20-SFH6-160	▲	
25	3	10	19	120	ST25-SFH3-160	▲
				160	ST25-SFH3-160	▲
	4	10	22	120	ST25-SFH4-160	▲
				160	ST25-SFH4-160	▲
	5	15	28	120	ST25-SFH5-160	▲
				160	ST25-SFH5-160	▲
6	20	36	120	ST25-SFH6-160	▲	
			160	ST25-SFH6-160	▲	
32	6	20	36	120	ST32-SFH6-160	▲
				160	ST32-SFH6-160	▲
	8	20	36	120	ST32-SFH8-160	▲
				160	ST32-SFH8-160	▲
	10	24	42	120	ST32-SFH10-160	▲
				160	ST32-SFH10-160	▲
12	24	47	120	ST32-SFH12-160	▲	
			160	ST32-SFH12-160	▲	
14	27	47	120	ST32-SFH14-160	▲	
			160	ST32-SFH14-160	▲	
16	27	50	120	ST32-SFH16-160	▲	
			160	ST32-SFH16-160	▲	
18	27	50	120	ST32-SFH18-160	▲	
			160	ST32-SFH18-160	▲	
20	27	52	120	ST32-SFH20-160	▲	
			160	ST32-SFH20-160	▲	

D1	D2	D3	L1	L2	sw	For	ORDER CODE	PRICE
6	25	60	96	53	2.5	WTE	98.602.001	▼
8					3	WTE	98.602.002	▼
10					3	WTE	98.602.003	▼
12					5	WTE	98.602.007	▼
14					5	WTE	98.602.008	▼
16					5	WTE	98.602.009	▼
18	28	60	110	53	5	WTE	98.602.010	▼
20					5	WTE	98.602.011	▼
20					8	WTE	98.602.013	▼
25	32	70	128	63	5	WTE HSK 63	98.602.020	▼
25					8	WTE HSK 63	98.602.021	▼

\*The stop screw must have a hexagon socket on two sides for length presetting.

**HOW TO USE**

1. Prior to the shrinking process, assemble tool (4), WTE length pre-adjuster (3) and WTE shrink chuck (1) with WTE stop screw (2).
2. Set length to the final dimension for the tool by turning the length pre-adjuster (this adjuster sets the stop screw to the required dimension). The required length (L) after shrinking is given by the pre-adjusted length (Lv) from L = Lv – 60 mm.
3. Remove length pre-adjuster and shrink tool. The tool must sit on the stop screw.



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