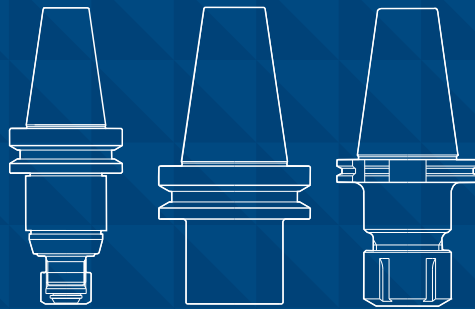


YU24  
AMERICA  
2024



CUTTING TOOLS



TOOLING SYSTEM

 YG-1 CO., LTD.

# ROTARY TOOL HOLDERS

## **HYDRAULIC CHUCK**

STANDARD, POWER E-HYDRO, SHORT & RIGID  
RADIAL TOOL LENGTH PRE-SETTING, MOULD

## **SHRINK FIT HOLDER**

STANDARD, COOLANT CHANNEL TYPE,  
INTERMEDIATE, REINFORCED, EXTENSION

## **END MILL HOLDER & SIDE LOCK ARBOR**

STUB, STANDARD, EXTENDED, COOLANT CHANNEL TYPE  
SIDE LOCK ARBOR

## **ER COLLET CHUCK**

STUB, STANDARD, SHORT, EXTENDED, EXTRA EXTENDED,  
TENSION (For TAPPING), NC (For CNC Lathe)  
ER COLLET

## **SK SLIM CHUCK**

STANDARD, STRAIGHT, SK COLLET

## **TG COLLET CHUCK**

STANDARD

## **POWER MILLING CHUCK**

STANDARD, HIGH SPEED MILLING CHUCK  
MILLING CHUCK COLLET

## **MORSE TAPER ADAPTOR**

## **TAPPING CHUCK**

QUICK CHANGE TYPE, SYNCHRO TAPPING CHUCK-ER TYPE  
QUICK CHANGE TAP ADAPTER

## **ONE STEP TAPPING CHUCK**

TAP ADAPTER

## **SHELL MILL ARBOR**

STANDARD, COOLANT CHANNEL TYPE,  
FLANGE MOUNTING TYPE

## **NC DRILL CHUCK**

KEYLESS TYPE, HEX KEY TYPE

## **JACOBS TAPER ARBOR**

## **STUB ARBOR**

## **SLITTING SAW ARBOR**

## **PULL STUD & TOOL CLAMP**




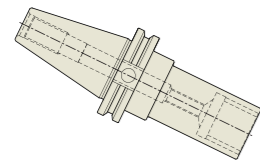

PULL STUD  
TOOL CLAMP  
COOLANT TUBE

# SELECTION GUIDE

PRODUCTS	DESCRIPTION	PAGE
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	CCT40, CCT50	D13
	BT30, BT40, BT50	D16
	CBT30, CBT40	D22
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CCT40, CCT50 SIDE LOCK ARBOR		D105
BT40, BT50		D106
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	<b>ER COLLET CHUCK</b>	<b>D119</b>
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	BT40, BT50	D122
	HSK63A, HSK100A	D125
	SHORT, STRAIGHT-K	D126
	NC-ER	D127
	ER COLLET	D128
	NUT, WRENCH, STOP SCREW	D137
	<b>SK SLIM CHUCK</b>	<b>D139</b>
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	CCT40, CCT50	D141
	CBT30, CBT40	D142
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# SELECTION GUIDE

PRODUCTS	DESCRIPTION	PAGE	
	<b>TG COLLET CHUCK</b>	<b>D149</b>	
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	BT40, BT50	D151	
	NUT, WRENCH, STOP SCREW	D152	
	<b>POWER MILLING CHUCK</b>	<b>D153</b>	
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	BT40, BT50	D156	
	CBT40 HIGH SPEED	D157	
	HSK63A, HSK100A HIGH SPEED	D157	
	POWER MILLING CHUCK COLLET	D158	
	<b>MORSE TAPER ADAPTER</b>	<b>D159</b>	
	CAT40, CAT50	D160	
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		<b>TAPPING CHUCK</b>	<b>D161</b>
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SYNCHRO TAPPING ER CHUCK		CAT40, CAT50	D164
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	<b>ONE STEP TAPPING CHUCK</b>	<b>D169</b>	
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	BT40, BT50	D170	
	HSK63A, HSK100A	D171	
	STRAIGHT-KW	D171	
	TAP ADAPTER	D172	
		<b>SHELL MILL ARBOR</b>	<b>D175</b>
CAT40, CAT50		D176	
CCT40, CCT50		D179	
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HSK63A, HSK100A		D185	
FLANGE MOUNTING TYPE		CAT50, BT50, HSK100A	D187
COLLAR BOLT, DRIVE KEY, KEY BOLT		D188	

PRODUCTS	DESCRIPTION	PAGE
	<b>NC DRILL CHUCK</b>	<b>D191</b>
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	HSK63A, HSK100A	D194
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	CAT40, CAT50	D200
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	<b>SLITTING SAW ARBOR</b>	<b>D203</b>
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	<b>PULL STUD &amp; TOOL CLAMP</b>	<b>D205</b>
	PULL STUD	D206
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	<b>TECHNICAL INFORMATION</b>	<b>D208</b>

## YG-1 ROTARY TOOLING

# HYDRAULIC CHUCK

STANDARD, POWER E-HYDRO, SHORT & RIGID, RADIAL TOOL LENGTH PRE-SETTING, MOULD, ULTRA SHORT

### HYDRAULIC CHUCK

CAT : ASME B5.50-2009

CCT : CAT DUAL CONTACT

BT : JIS B6339/MAS 403-BT/ISO7388-2

CBT : BT DUAL CONTACT

HSK : DIN69893/ISO12164-1

TEST PIECE

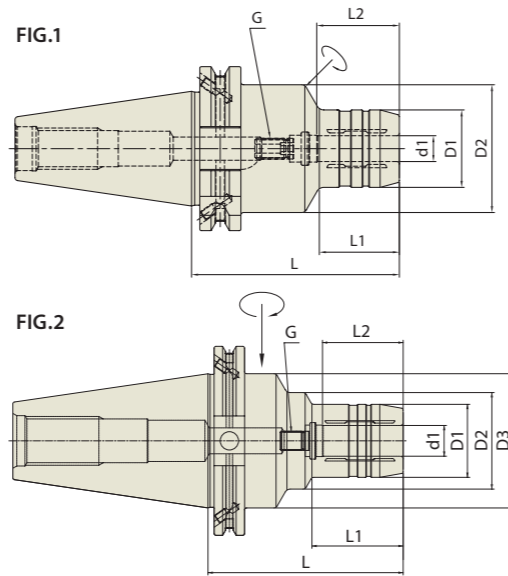
REDUCTION SLEEVE : OPEN TYPE/CLOSED TYPE





CAT

HYDRAULIC CHUCK



Collet(reduction sleeves)  
Refer to page D31-D38



ASME B5.50-2009-CAT (Inch)

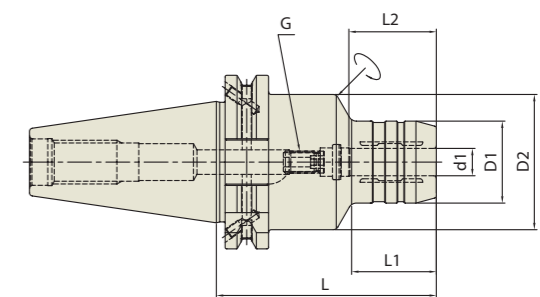
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L1	L2	G	FIG
<a href="#">WK020</a>	40	CAT40 AD/B - HC 1/4 - 4.00	.250	1.024	1.750	-	4.000	1.280	1.063	M5x0.8mm	1
<a href="#">WK022</a>		CAT40 AD/B - HC 3/8 - 4.00	.375	1.181	1.750	-	4.000	1.634	1.260	M6x1.0mm	1
<a href="#">WK024</a>		CAT40 AD/B - HC 1/2 - 4.00	.500	1.260	1.750	-	4.000	1.634	1.457	M10x1.0mm	1
<a href="#">WK026</a>		CAT40 AD/B - HC 5/8 - 4.00	.625	1.496	1.750	-	4.000	1.949	1.654	M10x1.0mm	1
<a href="#">WK028</a>		CAT40 AD/B - HC 3/4 - 4.00	.750	1.654	1.750	-	4.000	1.949	1.654	M10x1.0mm	1
<a href="#">WK030</a>		CAT40 AD/B - HC 1 - 4.00	1.000	2.165	2.480	-	4.000	2.618	1.890	M16x1.0mm	1
<a href="#">WK032</a>		CAT40 AD/B - HC 1 1/4 - 4.00	1.250	2.480	3.150	-	4.000	1.378	2.165	M16x1.0mm	1
<a href="#">WL020</a>		50	CAT50 AD/B - HC 1/4 - 4.00	.250	1.024	1.978	2.752	4.000	1.280	1.063	M5x0.8mm
<a href="#">WL022</a>	CAT50 AD/B - HC 3/8 - 4.00		.375	1.181	1.978	2.752	4.000	1.417	1.260	M6x1.0mm	2
<a href="#">WL024</a>	CAT50 AD/B - HC 1/2 - 4.00		.500	1.260	1.978	2.752	4.000	1.634	1.457	M10x1.0mm	2
<a href="#">WL026</a>	CAT50 AD/B - HC 5/8 - 4.00		.625	1.496	1.978	2.752	4.000	1.870	1.654	M10x1.0mm	2
<a href="#">WL028</a>	CAT50 AD/B - HC 3/4 - 4.00		.750	1.654	1.978	2.752	4.000	1.949	1.654	M10x1.0mm	2
<a href="#">WL030</a>	CAT50 AD/B - HC 1 - 4.00		1.000	2.244	2.480	2.752	4.000	1.949	1.890	M16x1.0mm	2
<a href="#">WL032</a>	CAT50 AD/B - HC 1 1/4 - 4.00		1.250	2.520	-	2.752	4.000	2.559	2.165	M16x1.0mm	2



CAT

HYDRAULIC CHUCK



Collet(reduction sleeves)  
Refer to page D31-D38



ASME B5.50-2009-CAT (Inch)

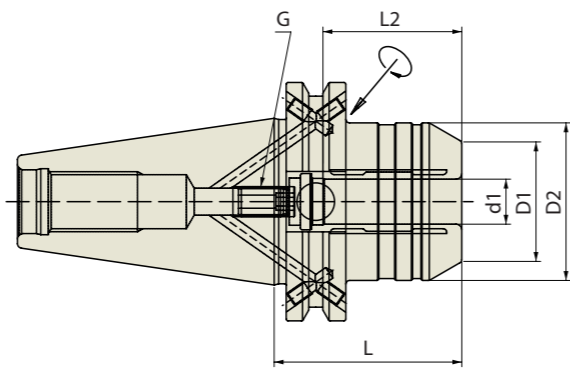
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G	
<a href="#">WK060</a>	40	CAT40 AD/B - HC 6 - 80.5	6	26	49.5	80.5	29.5	27	M5x0.8	
<a href="#">WK062</a>		CAT40 AD/B - HC 6 - 110	6	26	49.5	110	29.5	27	M5x0.8	
<a href="#">WK064</a>		CAT40 AD/B - HC 8 - 80.5	8	28	49.5	80.5	30	27	M6x1.0	
<a href="#">WK066</a>		CAT40 AD/B - HC 8 - 110	8	28	49.5	110	30	27	M6x1.0	
<a href="#">WK068</a>		CAT40 AD/B - HC 10 - 80.5	10	30	49.5	80.5	31	32	M8x1.0	
<a href="#">WK070</a>		CAT40 AD/B - HC 10 - 110	10	30	49.5	110	31	32	M8x1.0	
<a href="#">WK072</a>		CAT40 AD/B - HC 12 - 80.5	12	32	49.5	80.5	31.5	37	M10x1.0	
<a href="#">WK074</a>		CAT40 AD/B - HC 12 - 110	12	32	49.5	110	31.5	37	M10x1.0	
<a href="#">WK076</a>		CAT40 AD/B - HC 16 - 80.5	16	38	49.5	80.5	33	42	M12x1.0	
<a href="#">WK078</a>		CAT40 AD/B - HC 16 - 110	16	38	49.5	110	33	42	M12x1.0	
<a href="#">WK080</a>		CAT40 AD/B - HC 20 - 80.5	20	42	49.5	80.5	34	42	M16x1.0	
<a href="#">WK082</a>		CAT40 AD/B - HC 20 - 110	20	42	49.5	110	34	42	M16x1.0	
<a href="#">WK084</a>		CAT40 AD/B - HC 25 - 80.5	25	55	66	80.5	22	48	M16x1.0	
<a href="#">WK086</a>		CAT40 AD/B - HC 32 - 80.5	32	63	80	80.5	25.5	55	M16x1.0	
<a href="#">WL060</a>		50	CAT50 AD/B - HC 6 - 80.5	6	26	49.5	80.5	30	27	M5x0.8
<a href="#">WL062</a>			CAT50 AD/B - HC 8 - 80.5	8	28	49.5	80.5	30	27	M6x1.0
<a href="#">WL064</a>	CAT50 AD/B - HC 10 - 80.5		10	30	49.5	80.5	32	32	M8x1.0	
<a href="#">WL066</a>	CAT50 AD/B - HC 12 - 80.5		12	32	49.5	80.5	35	37	M10x1.0	
<a href="#">WL068</a>	CAT50 AD/B - HC 16 - 80.5		16	38	49.5	80.5	40	42	M12x1.0	
<a href="#">WL070</a>	CAT50 AD/B - HC 20 - 80.5		20	42	49.5	80.5	40	42	M16x1.0	

**YIG HYDRAULIC CHUCK**

**CAT**

**HYDRAULIC CHUCK (Power E Hydro)**



**ASME B5.50-2009-CAT (Inch)**

Collet(reduction sleeves) Refer to page D31-D38

ASME B5.50 - CAT AT3 2.5G 25,000 RPM (at 3D) ≤0.00012" AD/B

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">WK022PE</a>	40	CAT40 AD/B - HC 3/4P - 2.539	.750	1.545	1.938	2.539	1.889	M8x1.0mm
<a href="#">WK023PE</a>		CAT40 AD/B - HC 3/4P - 4.000	.750	1.545	1.938	4.000	1.889	M8x1.0mm
<a href="#">WK024PE</a>		CAT40AD/B-HC1.0P-3.543	1.00	1.889	2.067	3.543	2.244	M8x1.0mm
<a href="#">WL028PE</a>	50	CAT50 AD/B - HC 1 1/4P - 3.188	1.25	2.303	2.834	3.188	2.244	M8x1.0mm
<a href="#">WL030PE</a>		CAT50 AD/B - HC 1 1/4P - 6.000	1.25	2.303	2.834	6.000	2.244	M8x1.0mm

Unit : mm

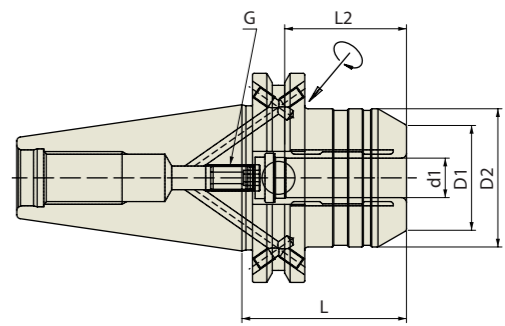
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">WK102PE</a>	40	CAT40 AD/B - HC 20P - 64.5	20	39.25	49.25	64.5	48	M8x1.0
<a href="#">WK103PE</a>		CAT40 AD/B - HC 20P - 101.6	20	39.25	49.25	101.6	48	M8x1.0
<a href="#">WL104PE</a>	50	CAT50 AD/B - HC 32P - 81	32	58.5	72	81	57	M8x1.0
<a href="#">WL106PE</a>		CAT50 AD/B - HC 32P - 152.4	32	58.5	72	152.4	57	M8x1.0

\* High Clamping Torque Power version (Please refer to page 1420, Technical Information)  
 \* Applicable for milling(roughing and finishing)

**YIG HYDRAULIC CHUCK**

**CAT**

**HYDRAULIC CHUCK (Short & Rigid)**



**ASME B5.50-2009-CAT (Inch/Metric)**

Collet(reduction sleeves) Refer to page D31-D38

ASME B5.50 - CAT AT3 2.5G 25,000 RPM (at 3D) ≤0.00012" AD/B

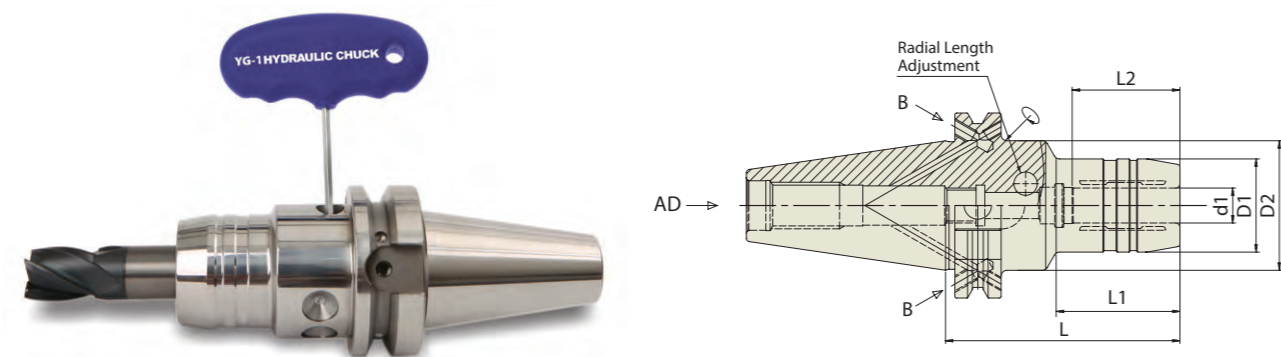
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">WK020SNR</a>	40	CAT40 AD/B - HC 1/2S - 2.52	.500	1.260	1.654	2.520	1.457	M8x1.0mm
<a href="#">WK021SNR</a>		CAT40 AD/B - HC 5/8S - 2.52	.625	1.362	1.752	2.520	1.654	M10x1.0mm
<a href="#">WK022SNR</a>		CAT40 AD/B - HC 3/4S - 2.52	.750	1.469	1.949	2.520	1.654	M10x1.0mm
<a href="#">WK024SNR</a>		CAT40 AD/B - HC 1S - 3.50	1.000	2.244	2.598	3.500	1.890	M16x1.0mm
<a href="#">WL020SNR</a>	50	CAT50 AD/B - HC 1/2S - 3.19	.500	1.819	2.752	3.189	1.457	M8x1.0mm
<a href="#">WL022SNR</a>		CAT50 AD/B - HC 5/8S - 3.19	.625	1.819	2.752	3.189	1.654	M8x1.0mm
<a href="#">WL024SNR</a>		CAT50 AD/B - HC 3/4S - 3.19	.750	2.185	2.752	3.189	1.654	M10x1.0mm
<a href="#">WL026SNR</a>		CAT50 AD/B - HC 1.00S - 3.19	1.000	2.185	2.752	3.189	1.890	M16x1.0mm
<a href="#">WL028SNR</a>		CAT50 AD/B - HC 1.25S - 3.19	1.250	2.185	2.752	3.189	2.165	M16x1.0mm

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">WK100SNR</a>	40	CAT40 AD/B - HC 12S - 50	12	32	42	50	37	M8x1.0
<a href="#">WK102SNR</a>		CAT40 AD/B - HC 20S - 64.5	20	37	49.5	64.5	42	M16x1.0
<a href="#">WL100SNR</a>	50	CAT50 AD/B - HC 12S - 50	12	32	42	50	37	M8x1.0
<a href="#">WL102SNR</a>		CAT50 AD/B - HC 20S - 64.5	20	37	49.5	64.5	42	M16x1.0
<a href="#">WL104SNR</a>		CAT50 AD/B - HC 32S - 81	32	55	72	81	55	M16x1.0

**HYDRAULIC CHUCK (RADIAL TOOL LENGTH PRE-SETTING TYPE)**

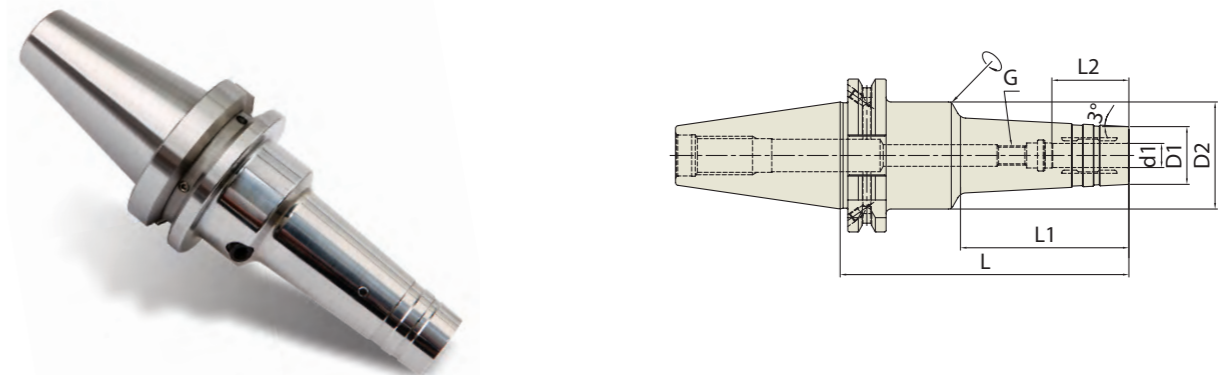


**ASME B5.50-2009-CAT (Metric)**



EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
<a href="#">WK100HCR</a>	40	CAT40 AD/B - HCR 12 - 80.5	12	32	49.5	80.5	31.5	37	M5x0.8mm
<a href="#">WK102HCR</a>		CAT40 AD/B - HCR 20 - 80.5	20	42	49.5	80.5	34	42	M6x1.0mm
<a href="#">WK104HCR</a>		CAT40 AD/B - HCR 32 - 110	32	64	80	110	50	55	M8x1.0mm
<a href="#">WL100HCR</a>	50	CAT50 AD/B - HCR 12 - 80.5	12	32	49.5	80.5	31.5	37	M5x0.8mm
<a href="#">WL102HCR</a>		CAT50 AD/B - HCR 20 - 80.5	20	42	49.5	80.5	34	42	M6x1.0mm
<a href="#">WL104HCR</a>		CAT50 AD/B - HCR 32 - 100	32	60	60	100	-	55	M8x1.0mm

**HYDRAULIC CHUCK (For MOULD)**



**ASME B5.50-2009-CAT(Inch)**



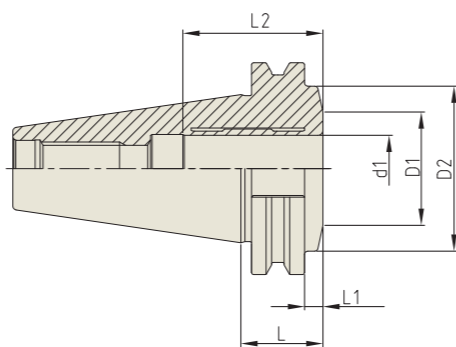
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
<a href="#">WK020HMC</a>	40	CAT40 AD/B - HMC 1/4 - 4.72	.250	.787	1.949	4.724	2.756	1.063	M5x0.8mm
<a href="#">WK022HMC</a>		CAT40 AD/B - HMC 1/4 - 5.91	.250	.787	1.949	5.906	3.937	1.063	M5x0.8mm
<a href="#">WK024HMC</a>		CAT40 AD/B - HMC 5/16 - 4.72	.313	.866	1.949	4.724	2.756	1.063	M6x1.0mm
<a href="#">WK026HMC</a>		CAT40 AD/B - HMC 5/16 - 5.91	.313	.866	1.949	5.906	3.937	1.063	M6x1.0mm
<a href="#">WK028HMC</a>		CAT40 AD/B - HMC 3/8 - 4.72	.375	.945	1.949	4.724	2.756	1.260	M8x1.0mm
<a href="#">WK030HMC</a>		CAT40 AD/B - HMC 3/8 - 5.91	.375	.945	1.949	5.906	3.937	1.260	M8x1.0mm
<a href="#">WK032HMC</a>		CAT40 AD/B - HMC 1/2 - 4.72	.500	1.024	1.949	4.724	2.756	1.457	M10x1.0mm
<a href="#">WK034HMC</a>		CAT40 AD/B - HMC 1/2 - 5.91	.500	1.024	1.949	5.906	3.937	1.457	M10x1.0mm
<a href="#">WK036HMC</a>		CAT40 AD/B - HMC 5/8 - 4.72	.625	1.260	1.949	4.724	2.756	1.654	M12x1.0mm
<a href="#">WK038HMC</a>		CAT40 AD/B - HMC 5/8 - 5.91	.625	1.260	1.949	5.906	3.937	1.654	M12x1.0mm
<a href="#">WK040HMC</a>		CAT40 AD/B - HMC 3/4 - 4.72	.750	1.339	1.949	4.724	2.756	1.654	M16x1.0mm
<a href="#">WK042HMC</a>		CAT40 AD/B - HMC 3/4 - 5.91	.750	1.339	1.949	5.906	3.937	1.654	M16x1.0mm
<a href="#">WL020HMC</a>		CAT50 AD/B - HMC 1/4 - 5.91	.250	.787	1.752	5.906	3.937	1.063	M5x0.8mm
<a href="#">WL022HMC</a>		CAT50 AD/B - HMC 5/16 - 5.91	.313	.866	1.752	5.906	3.937	1.063	M6x1.0mm
<a href="#">WL024HMC</a>	CAT50 AD/B - HMC 3/8 - 5.91	.375	.945	1.752	5.906	3.937	1.260	M8x1.0mm	
<a href="#">WL026HMC</a>	CAT50 AD/B - HMC 1/2 - 5.91	.500	1.024	1.752	5.906	3.937	1.457	M10x1.0mm	
<a href="#">WL028HMC</a>	CAT50 AD/B - HMC 5/8 - 5.91	.625	1.260	1.752	5.906	3.937	1.654	M12x1.0mm	
<a href="#">WL030HMC</a>	CAT50 AD/B - HMC 3/4 - 5.91	.750	1.339	1.752	5.906	3.937	1.654	M16x1.0mm	

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
<a href="#">WK100HMC</a>	40	CAT40 AD/B - HMC 6 - 120	6	20	49.5	120	70	27	M5X0.8
<a href="#">WK102HMC</a>		CAT40 AD/B - HMC 6 - 150	6	20	49.5	150	100	27	M5X0.8
<a href="#">WK104HMC</a>		CAT40 AD/B - HMC 8 - 120	8	22	49.5	120	70	27	M6X1.0
<a href="#">WK106HMC</a>		CAT40 AD/B - HMC 8 - 150	8	22	49.5	150	100	27	M6X1.0
<a href="#">WK108HMC</a>		CAT40 AD/B - HMC 10 - 120	10	24	49.5	120	70	32	M8X1.0
<a href="#">WK110HMC</a>		CAT40 AD/B - HMC 10 - 150	10	24	49.5	150	100	32	M8X1.0
<a href="#">WK112HMC</a>		CAT40 AD/B - HMC 12 - 120	12	25	49.5	120	70	37	M10X1.0
<a href="#">WK114HMC</a>		CAT40 AD/B - HMC 12 - 150	12	25	49.5	150	100	37	M10X1.0
<a href="#">WK116HMC</a>		CAT40 AD/B - HMC 16 - 120	16	32	49.5	120	70	42	M12X1.0
<a href="#">WK118HMC</a>		CAT40 AD/B - HMC 16 - 150	16	32	49.5	150	100	42	M12X1.0
<a href="#">WK120HMC</a>		CAT40 AD/B - HMC 20 - 120	20	34	49.5	120	70	42	M16X1.0
<a href="#">WK122HMC</a>		CAT40 AD/B - HMC 20 - 150	20	34	49.5	150	100	42	M16X1.0
<a href="#">WL100HMC</a>		CAT50 AD/B - HMC 6 - 150	6	20	44.5	150	100	27	M5X0.8
<a href="#">WL102HMC</a>		CAT50 AD/B - HMC 8 - 150	8	22	44.5	150	100	27	M6X1.0
<a href="#">WL104HMC</a>	CAT50 AD/B - HMC 10 - 150	10	24	44.5	150	100	32	M8X1.0	
<a href="#">WL106HMC</a>	CAT50 AD/B - HMC 12 - 150	12	25	44.5	150	100	37	M10X1.0	
<a href="#">WL108HMC</a>	CAT50 AD/B - HMC 16 - 150	16	32	44.5	150	100	42	M12X1.0	
<a href="#">WL110HMC</a>	CAT50 AD/B - HMC 20 - 150	20	34	44.5	150	100	42	M16X1.0	

**YG HYDRAULIC CHUCK**

**CAT**

**HYDRAULIC CHUCK (ULTRA SHORT)**



**JIS B6339/MAS 403-BT (Inch/Metric)**

Collet(reduction sleeves) Refer to page D31-D38

ASME B5.50 - CAT 2.5G 25,000 RPM (at 3D) ≤0.00012" AD

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
<a href="#">WK101US</a>	40	CAT40 - HC 0.75 - 0.969	0.750	1.339	1.949	0.969	0.219	1.654	0.81
<a href="#">WL101US</a>	50	CAT50 - HC 1.25 - 1.217	1.250	1.929	2.776	1.217	0.467	2.165	2.63

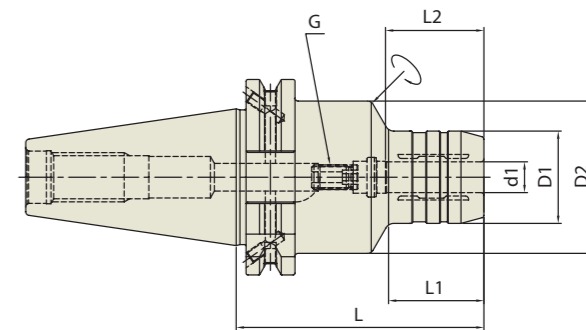
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
<a href="#">WK102US</a>	40	CAT40 - HC 20 - 24.6	20	34	49.5	24.6	5.5	42	0.81
<a href="#">WL102US</a>	50	CAT50 - HC 32 - 30.9	32	49	70.5	30.9	11.85	55	2.63

**YG HYDRAULIC CHUCK**

**CCT**

**DUAL CONTACT HYDRAULIC CHUCK**



**CCT (CAT DUAL CONTACT) (Inch)**

Collet(reduction sleeves) Refer to page D31-D38

CCT AT3 2.5G 25,000 RPM (at 3D) ≤0.00012" AD/B

Unit : inch

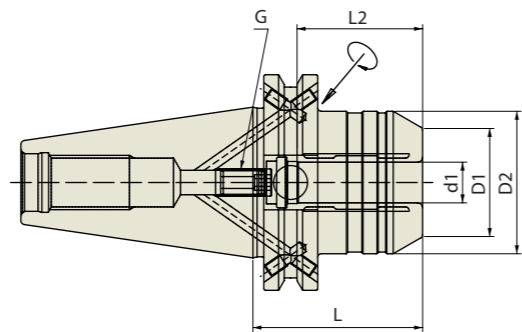
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G	
<a href="#">WB020</a>	40	CCT40 AD/B - HC 1/4 - 3.54	.250	1.024	1.752	3.543	1.280	1.063	M5x0.8mm	
<a href="#">WB022</a>		CCT40 AD/B - HC 5/16 - 3.54	.313	1.102	1.752	3.543	1.280	1.063	M6x1.0mm	
<a href="#">WB024</a>		CCT40 AD/B - HC 3/8 - 3.54	.375	1.181	1.752	3.543	1.634	1.260	M8x1.0mm	
<a href="#">WB026</a>		CCT40 AD/B - HC 1/2 - 3.54	.500	1.260	1.752	3.543	1.634	1.457	M10x1.0mm	
<a href="#">WB028</a>		CCT40 AD/B - HC 5/8 - 3.54	.625	1.496	1.752	3.543	1.949	1.654	M10x1.0mm	
<a href="#">WB030</a>		CCT40 AD/B - HC 3/4 - 3.54	.750	1.654	1.752	3.543	1.949	1.654	M10x1.0mm	
<a href="#">WB032</a>		CCT40AD/B-HC1"-3.94	1.000	2.165	2.480	3.937	2.559	1.890	M16x1.0mm	
<a href="#">WB034</a>		CCT40 AD/B - HC 1 1/4 - 4.13	1.250	2.480	3.150	4.134	1.378	2.165	M16x1.0mm	
<a href="#">WC020</a>		50	CCT50 AD/B - HC 1/4 - 3.54	.250	1.024	1.969	3.543	1.181	1.063	M5x0.8mm
<a href="#">WC022</a>			CCT50 AD/B - HC 5/16 - 3.54	.313	1.102	1.969	3.543	1.181	1.063	M6x1.0mm
<a href="#">WC024</a>	CCT50 AD/B - HC 3/8 - 3.54		.375	1.181	1.969	3.543	1.260	1.260	M8x1.0mm	
<a href="#">WC026</a>	CCT50 AD/B - HC 1/2 - 3.54		.500	1.260	1.969	3.543	1.378	1.457	M10x1.0mm	
<a href="#">WC028</a>	CCT50 AD/B - HC 5/8 - 3.54		.625	1.496	1.969	3.543	1.575	1.654	M10x1.0mm	
<a href="#">WC030</a>	CCT50 AD/B - HC3/4 - 3.54		.750	1.654	1.969	3.543	1.575	1.654	M10x1.0mm	
<a href="#">WC032</a>	CCT50 AD/B - HC1" - 4.13		1.000	2.244	2.480	4.134	2.047	1.890	M16x1.0mm	
<a href="#">WC034</a>	CCT50 AD/B - HC1 1/4-4.53		1.250	2.480	2.953	4.528	2.441	2.165	M16x1.0mm	





CCT

DUAL CONTACT HYDRAULIC CHUCK (Power E Hydro)



CCT (CAT DUAL CONTACT) (Inch/Metric)

Collet(reduction sleeves) Refer to page D31-D38



Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">WB030PE</a>	40	CCT40 AD/B - HC 3/4P - 2.539	0.75	1.545	1.939	2.539	1.889	M8x1.0mm
<a href="#">WB031PE</a>		CCT40 AD/B - HC 3/4P - 4.000	0.75	1.545	1.939	4.000	1.889	M8x1.0mm
<a href="#">WB032PE</a>		CCT40 AD/B - HC 1.0P - 4.000	1.00	1.889	2.067	3.543	2.244	M8x1.0mm

Unit : mm

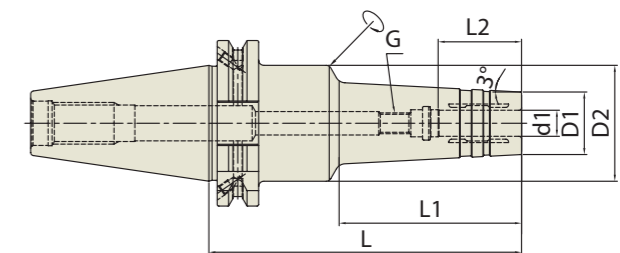
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">WB130PE</a>	40	CCT40 AD/B - HC 20P - 64.5	20	39.25	49.25	64.5	48	M8x1.0
<a href="#">WB131PE</a>		CCT40 AD/B - HC 20P - 101.6	20	39.25	49.25	101.6	48	M8x1.0

\* High Clamping Torque Power version  
 (Please refer to page D172, Technical Information)  
 \* Applicable for milling(roughing and finishing)



CCT

DUAL CONTACT HYDRAULIC CHUCK (For MOULD)



CCT (CAT DUAL CONTACT) (Inch/Metric)

Collet(reduction sleeves) Refer to page D31-D38



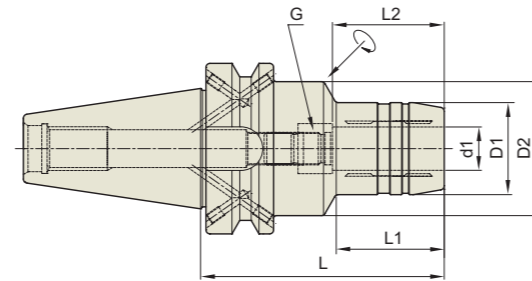
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G	
<a href="#">WB020HMC</a>	40	CCT40 AD/B - HMC 1/4 - 4.72	.250	.787	1.949	4.724	2.756	1.063	M5X0.8mm	
<a href="#">WB022HMC</a>		CCT40 AD/B - HMC 1/4 - 5.91	.250	.787	1.949	5.906	3.937	1.063	M5X0.8mm	
<a href="#">WB024HMC</a>		CCT40 AD/B - HMC 5/16 - 4.72	.313	.866	1.949	4.724	2.756	1.063	M6X1.0mm	
<a href="#">WB026HMC</a>		CCT40 AD/B - HMC 5/16 - 5.91	.313	.866	1.949	5.906	3.937	1.063	M6X1.0mm	
<a href="#">WB028HMC</a>		CCT40 AD/B - HMC 3/8 - 4.72	.375	.945	1.949	4.724	2.756	1.260	M8X1.0mm	
<a href="#">WB030HMC</a>		CCT40 AD/B - HMC 3/8 - 5.91	.375	.945	1.949	5.906	3.937	1.260	M8X1.0mm	
<a href="#">WB032HMC</a>		CCT40 AD/B - HMC 1/2 - 4.72	.500	1.024	1.949	4.724	2.756	1.457	M10X1.0mm	
<a href="#">WB034HMC</a>		CCT40 AD/B - HMC 1/2 - 5.91	.500	1.024	1.949	5.906	3.937	1.457	M10X1.0mm	
<a href="#">WB036HMC</a>		CCT40 AD/B - HMC 5/8 - 4.72	.625	1.260	1.949	4.724	2.756	1.654	M12X1.0mm	
<a href="#">WB038HMC</a>		CCT40 AD/B - HMC 5/8 - 5.91	.625	1.260	1.949	5.906	3.937	1.654	M12X1.0mm	
<a href="#">WB040HMC</a>		CCT40 AD/B - HMC 3/4 - 4.72	.750	1.339	1.949	4.724	2.756	1.654	M16X1.0mm	
<a href="#">WB042HMC</a>		CCT40 AD/B - HMC 3/4 - 5.91	.750	1.339	1.949	5.906	3.937	1.654	M16X1.0mm	
<a href="#">WC020HMC</a>		50	CCT50 AD/B - HMC 1/4 - 5.91	.250	.787	1.752	5.906	3.937	1.063	M5X0.8mm
<a href="#">WC022HMC</a>			CCT50 AD/B - HMC 5/16 - 5.91	.313	.866	1.752	5.906	3.937	1.063	M6X1.0mm
<a href="#">WC024HMC</a>			CCT50 AD/B - HMC 3/8 - 5.91	.375	.945	1.752	5.906	3.937	1.260	M8X1.0mm
<a href="#">WC026HMC</a>			CCT50 AD/B - HMC 1/2 - 5.91	.500	1.024	1.752	5.906	3.937	1.457	M10X1.0mm
<a href="#">WC028HMC</a>	CCT50 AD/B - HMC 5/8 - 5.91		.625	1.260	1.752	5.906	3.937	1.654	M12X1.0mm	
<a href="#">WC030HMC</a>	CCT50 AD/B - HMC 3/4 - 5.91		.750	1.339	1.752	5.906	3.937	1.654	M16X1.0mm	

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G	
<a href="#">WB100HMC</a>	40	CCT40 AD/B - HMC 6 - 120	6	20	49.5	120	70	27	M5X0.8	
<a href="#">WB102HMC</a>		CCT40 AD/B - HMC 6 - 150	6	20	49.5	150	100	27	M5X0.8	
<a href="#">WB104HMC</a>		CCT40 AD/B - HMC 8 - 120	8	22	49.5	120	70	27	M6X1.0	
<a href="#">WB106HMC</a>		CCT40 AD/B - HMC 8 - 150	8	22	49.5	150	100	27	M6X1.0	
<a href="#">WB108HMC</a>		CCT40 AD/B - HMC 10 - 120	10	24	49.5	120	70	32	M8X1.0	
<a href="#">WB110HMC</a>		CCT40 AD/B - HMC 10 - 150	10	24	49.5	150	100	32	M8X1.0	
<a href="#">WB112HMC</a>		CCT40 AD/B - HMC 12 - 120	12	25	49.5	120	70	37	M10X1.0	
<a href="#">WB114HMC</a>		CCT40 AD/B - HMC 12 - 150	12	25	49.5	150	100	37	M10X1.0	
<a href="#">WB116HMC</a>		CCT40 AD/B - HMC 16 - 120	16	32	49.5	120	70	42	M12X1.0	
<a href="#">WB118HMC</a>		CCT40 AD/B - HMC 16 - 150	16	32	49.5	150	100	42	M12X1.0	
<a href="#">WB120HMC</a>		CCT40 AD/B - HMC 20 - 120	20	34	49.5	120	70	42	M16X1.0	
<a href="#">WB122HMC</a>		CCT40 AD/B - HMC 20 - 150	20	34	49.5	150	100	42	M16X1.0	
<a href="#">WC100HMC</a>		50	CCT50 AD/B - HMC 6 - 150	6	20	44.5	150	100	27	M5X0.8
<a href="#">WC102HMC</a>			CCT50 AD/B - HMC 8 - 150	8	22	44.5	150	100	27	M6X1.0
<a href="#">WC104HMC</a>			CCT50 AD/B - HMC 10 - 150	10	24	44.5	150	100	32	M8X1.0
<a href="#">WC106HMC</a>			CCT50 AD/B - HMC 12 - 150	12	25	44.5	150	100	37	M10X1.0
<a href="#">WC108HMC</a>	CCT50 AD/B - HMC 16 - 150		16	32	44.5	150	100	42	M12X1.0	
<a href="#">WC110HMC</a>	CCT50 AD/B - HMC 20 - 150		20	34	44.5	150	100	42	M16X1.0	

HYDRAULIC CHUCK



Collet(reduction sleeves)  
Refer to page D31-D38

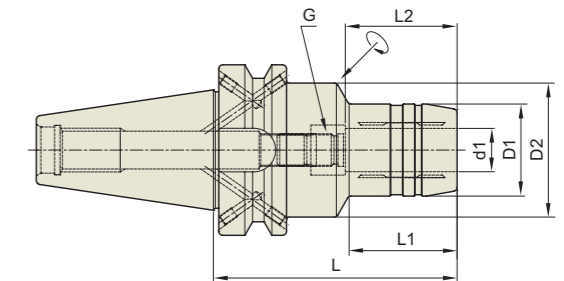


JIS B6339/MAS 403-BT (Inch)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
<a href="#">WG020</a>	30	BT30 - HC 1/4 - 2.75	.250	1.024	1.752	2.750	1.161	1.063	M5x0.8mm
<a href="#">WG022</a>		BT30 - HC 5/16 - 2.75	.313	1.102	1.752	2.750	1.181	1.063	M6x1.0mm
<a href="#">WG024</a>		BT30 - HC 3/8 - 2.95	.375	1.181	1.752	2.953	1.220	1.260	M8x1.0mm
<a href="#">WG026</a>		BT30 - HC 1/2 - 3.35	.500	1.260	1.772	3.346	1.575	1.457	M10x1.0mm
<a href="#">WG028</a>		BT30 - HC 5/8 - 3.54	.625	1.496	1.772	3.543	1.811	1.654	M10x1.0mm
<a href="#">WG030</a>		BT30 - HC 3/4 - 3.54	.750	1.654	1.772	3.543	1.890	1.654	M6x1.0mm
<a href="#">WH020</a>	40	BT40 AD/B - HC 1/4 - 3.54	.250	1.024	1.752	3.543	1.181	1.063	M5x0.8mm
<a href="#">WH022</a>		BT40 AD/B - HC 5/16 - 3.54	.313	1.102	1.752	3.543	1.280	1.063	M6x1.0mm
<a href="#">WH024</a>		BT40 AD/B - HC 3/8 - 3.54	.375	1.181	1.752	3.543	1.260	1.260	M8x1.0mm
<a href="#">WH026</a>		BT40 AD/B - HC 1/2 - 3.54	.500	1.260	1.752	3.543	1.378	1.457	M10x1.0mm
<a href="#">WH028</a>		BT40 AD/B - HC 5/8 - 3.54	.625	1.496	1.870	3.543	1.575	1.654	M12x1.0mm
<a href="#">WH030</a>		BT40 AD/B - HC 3/4 - 3.54	.750	1.654	1.870	3.543	1.575	1.654	M16x1.0mm
<a href="#">WH032</a>		BT40 AD/B - HC 1" - 3.94	1.000	1.969	2.362	3.937	1.772	1.890	M16x1.0mm
<a href="#">WH034</a>		BT40 AD/B - HC 1 1/4 - 4.13	1.250	2.362	-	4.134	-	2.165	M16x1.0mm

HYDRAULIC CHUCK



Collet(reduction sleeves)  
Refer to page D31-D38

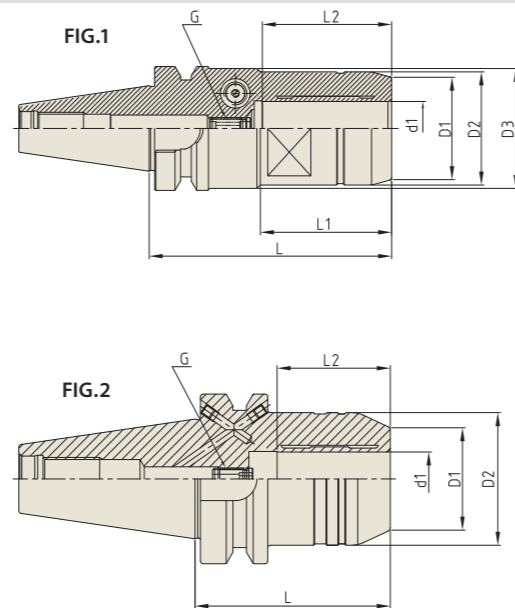


JIS B6339/MAS 403-BT (Metric)

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G	
<a href="#">WG100</a>	30	BT30 - HC 6 - 70	6	26	44.5	70	29.5	27	M5x0.8	
<a href="#">WG102</a>		BT30 - HC 8 - 70	8	28	44.5	70	30	27	M6x1.0	
<a href="#">WG104</a>		BT30 - HC 10 - 75	10	30	44.5	75	31	32	M8x1.0	
<a href="#">WG106</a>		BT30 - HC 12 - 85	12	32	45	85	45	37	M10x1.0	
<a href="#">WG108</a>		BT30 - HC 14 - 85	14	34	45	85	45	37	M10x1.0	
<a href="#">WG110</a>		BT30 - HC 16 - 90	16	38	45	90	50	42	M10x1.0	
<a href="#">WG112</a>		BT30 - HC 18 - 90	18	40	45	90	50	42	M10x1.0	
<a href="#">WG114</a>		BT30 - HC 20 - 90	20	42	45	90	50	42	M6x1.0	
<a href="#">WH100</a>		40	BT40 AD/B - HC 6 - 90	6	26	44.5	90	43	27	M5x0.8
<a href="#">WH102</a>			BT40 AD/B - HC 8 - 90	8	28	44.5	90	44.5	27	M6x1.0
<a href="#">WH104</a>			BT40 AD/B - HC 10 - 90	10	30	44.5	90	44.5	32	M8x1.0
<a href="#">WH106</a>			BT40 AD/B - HC 12 - 90	12	32	44.5	90	44.5	37	M10x1.0
<a href="#">WH108</a>			BT40 AD/B - HC 14 - 90	14	34	44.5	90	44.5	37	M10x1.0
<a href="#">WH110</a>			BT40 AD/B - HC 16 - 90	16	38	44.5	90	47.5	42	M12x1.0
<a href="#">WH112</a>	BT40 AD/B - HC 18 - 90		18	40	44.5	90	47.5	42	M12x1.0	
<a href="#">WH114</a>	BT40 AD/B - HC 20 - 90		20	42	44.5	90	47.5	42	M16x1.0	
<a href="#">WH116</a>	BT40 AD/B - HC 25 - 100	25	50	60	100	47.5	48	M16x1.0		
<a href="#">WH118</a>	BT40 AD/B - HC 32 - 105	32	60	-	105	-	55	M16x1.0		

**HYDRAULIC CHUCK (Power E Hydro)**



**JIS B6339/MAS 403-BT (Inch/Metric)**

Collet(reduction sleeves) Refer to page D31-D38



Unit : inch

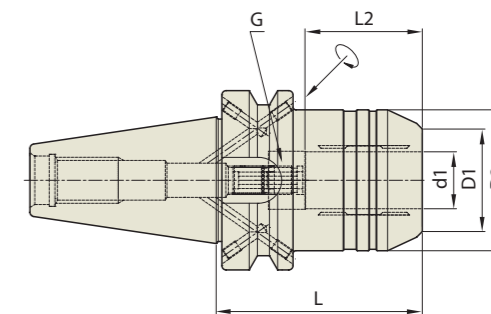
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
<a href="#">WG002PE</a>	30	BT30 - HC 3/4P - 3.543	.750	1.496	1.653	1.751	3.543	1.889	M8x1.0mm	1
<a href="#">WH002PE</a>	40	BT40 AD/B - HC3/4P - 2.854	.750	1.545	1.938	-	2.854	1.889	M8x1.0mm	2
<a href="#">WF003PE</a>		BT40 AD/B - HC1.0P - 3.937	1	1.889	2.067	-	3.937	2.244	M8x1.0mm	2
<a href="#">WI003PE</a>	50	BT50 AD/B - HC 1 1/4P - 3.543	1.25	2.303	2.834	-	3.543	2.244	M8x1.0mm	2

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
<a href="#">WG100PE</a>	30	BT30 - HC 12P - 69	12	32	42	44.5	69	41	M8x1.0	1
<a href="#">WG102PE</a>		BT30 - HC 20P - 90	20	38	42	44.5	90	48	M8x1.0	1
<a href="#">WH100PE</a>	40	BT40 AD/B - HC 12P - 58	12	32	42	-	58	41	M8x1.0	2
<a href="#">WH102PE</a>		BT40 AD/B - HC 20P - 72.5	20	39.25	49.25	-	72.5	48	M8x1.0	2
<a href="#">W1100PE</a>	50	BT50 AD/B - HC 20P - 83.5	20	39.25	49.25	-	83.5	48	M8x1.0	2
<a href="#">W1102PE</a>		BT50 AD/B - HC 32P - 90	32	58.5	72	-	90	57	M8x1.0	2

- \* High Clamping Torque Power version (Please refer to page D172, Technical Information)
- \* Applicable for milling(roughing and finishing)

**HYDRAULIC CHUCK (Short & Rigid)**



**JIS B6339/MAS 403-BT (Metric)**

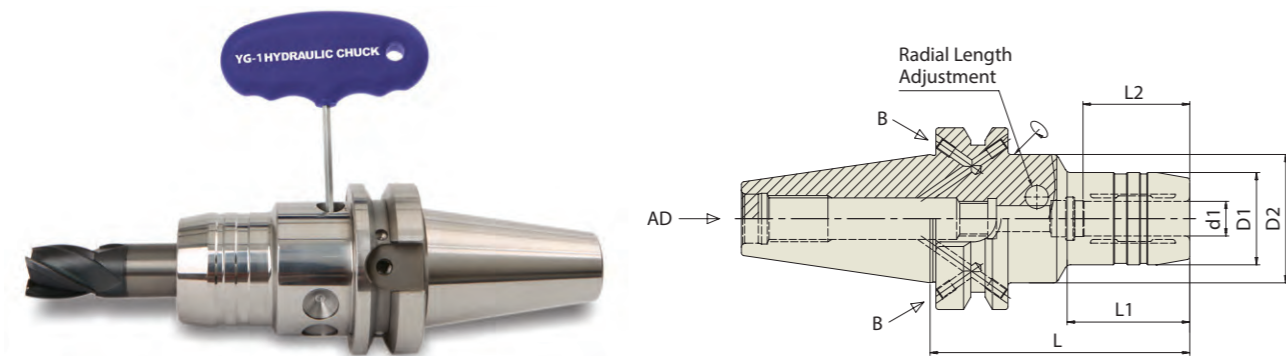
Collet(reduction sleeves) Refer to page D31-D38



Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">WG100SNR</a>	30	BT30 - HC 20S - 85	20	41	44	85	42	M6x1.0
<a href="#">WH100SNR</a>	40	BT40 AD/B - HC 12S - 58	12	32	42	58	37	M8x1.0
<a href="#">WH102SNR</a>		BT40 AD/B - HC 20S - 72.5	20	38	49.25	72.5	42	M8x1.0

**HYDRAULIC CHUCK (RADIAL TOOL LENGTH PRE-SETTING TYPE)**



**JIS B6339/MAS 403-BT (Metric)**

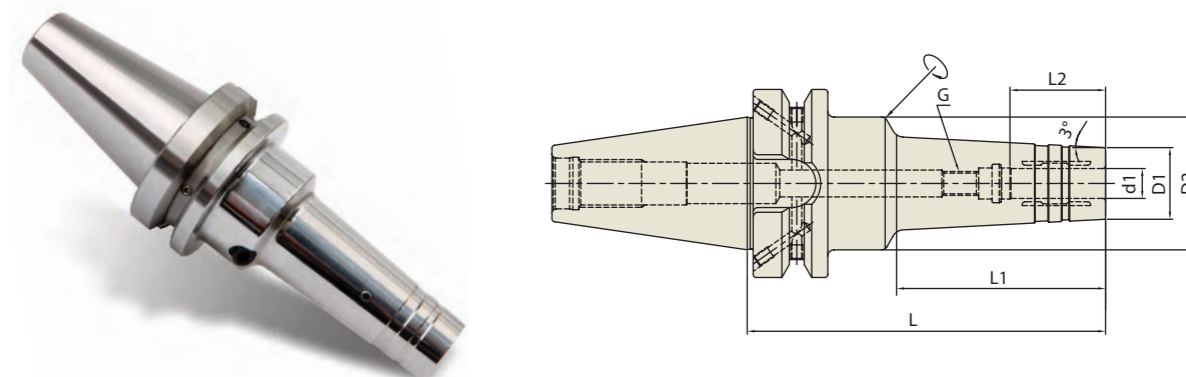
Collet(reduction sleeves)  
Refer to page D31-D38



Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2
<a href="#">WG100HCR</a>	30	BT30 - HCR 12 - 85	12	32	44.5	85	40	37
<a href="#">WG102HCR</a>		BT30 - HCR 20 - 85	20	44	-	85	-	42
<a href="#">WH100HCR</a>	40	BT40 AD/B - HCR 12 - 90	12	32	44.5	90	42.5	37
<a href="#">WH102HCR</a>		BT40 AD/B - HCR 20 - 90	20	42	44.5	90	47.5	42
<a href="#">WH104HCR</a>		BT40 AD/B - HCR 32 - 105	32	60	-	105	-	55

**HYDRAULIC CHUCK (For MOULD)**



**JIS B6339/MAS 403-BT (Metric)**

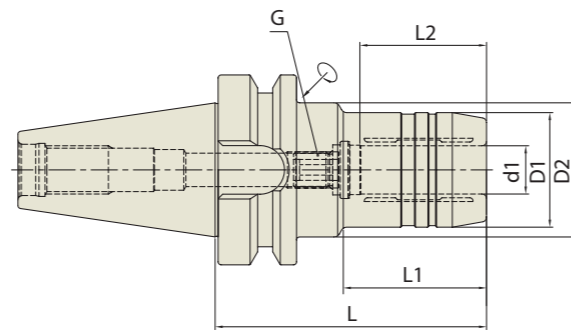
Collet(reduction sleeves)  
Refer to page D31-D38



Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
<a href="#">WH100HMC</a>	40	BT40 AD/B - HMC 6 - 120	6	20	44.5	120	70	27	M5×0.8
<a href="#">WH102HMC</a>		BT40 AD/B - HMC 6 - 150	6	20	44.5	150	100	27	M5×0.8
<a href="#">WH104HMC</a>		BT40 AD/B - HMC 8 - 120	8	22	44.5	120	70	27	M6×1.0
<a href="#">WH106HMC</a>		BT40 AD/B - HMC 8 - 150	8	22	44.5	150	100	27	M6×1.0
<a href="#">WH108HMC</a>		BT40 AD/B - HMC 10 - 120	10	24	44.5	120	70	32	M8×1.0
<a href="#">WH110HMC</a>		BT40 AD/B - HMC 10 - 150	10	24	44.5	150	100	32	M8×1.0
<a href="#">WH112HMC</a>		BT40 AD/B - HMC 12 - 120	12	25	44.5	120	70	37	M10×1.0
<a href="#">WH114HMC</a>		BT40 AD/B - HMC 12 - 150	12	25	44.5	150	100	37	M10×1.0
<a href="#">WH116HMC</a>		BT40 AD/B - HMC 16 - 120	16	32	44.5	120	70	42	M12×1.0
<a href="#">WH118HMC</a>		BT40 AD/B - HMC 16 - 150	16	32	44.5	150	100	42	M12×1.0
<a href="#">WH120HMC</a>		BT40 AD/B - HMC 20 - 120	20	36	43.75	120	-	42	M16×1.0
<a href="#">WH122HMC</a>		BT40 AD/B - HMC 20 - 150	20	36	46.9	150	-	42	M16×1.0

**DUAL CONTACT HYDRAULIC CHUCK**



**CBT (BT DUAL CONTACT) (Inch/Metric)**

Collet(reduction sleeves) Refer to page D31-D38



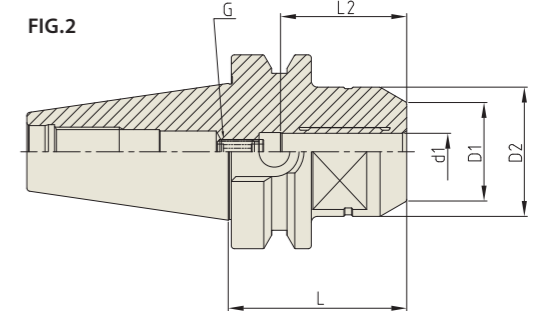
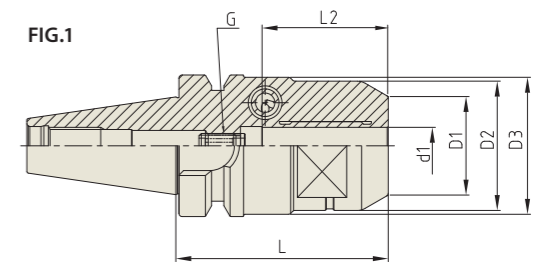
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
<a href="#">WD020</a>	30	CBT 30 - HC 1/4 - 2.76	.250	1.024	1.752	2.756	1.161	1.063	M5x0.8mm
<a href="#">WD022</a>		CBT 30 - HC 5/16 - 2.76	.313	1.102	1.752	2.756	1.181	1.063	M6x1.0mm
<a href="#">WD024</a>		CBT 30 - HC 3/8 - 2.95	.375	1.181	1.752	2.953	1.220	1.260	M8x1.0mm
<a href="#">WD026</a>		CBT 30 - HC 1/2 - 3.35	.500	1.260	1.772	3.346	1.575	1.457	M10x1.0mm
<a href="#">WD028</a>		CBT 30 - HC 5/8 - 3.54	.625	1.496	1.772	3.543	1.811	1.654	M10x1.0mm
<a href="#">WD030</a>		CBT 30 - HC 3/4 - 3.54	.750	1.654	1.772	3.543	1.890	1.654	M16x1.0mm
<a href="#">WE020</a>	40	CBT 40 - HC 1/4 - 3.54	.250	1.024	1.752	3.543	1.181	1.063	M5x0.8mm
<a href="#">WE022</a>		CBT 40 - HC 5/16 - 3.54	.313	1.102	1.752	3.543	1.280	1.063	M6x1.0mm
<a href="#">WE024</a>		CBT 40 - HC 3/8 - 3.54	.375	1.181	1.752	3.543	1.260	1.260	M8x1.0mm
<a href="#">WE026</a>		CBT 40 - HC 1/2 - 3.54	.500	1.260	1.752	3.543	1.378	1.457	M10x1.0mm
<a href="#">WE028</a>		CBT 40 - HC 5/8 - 3.54	.625	1.496	1.870	3.543	1.575	1.654	M12x1.0mm
<a href="#">WE030</a>		CBT 40 - HC 3/4 - 3.54	.750	1.654	1.870	3.543	1.575	1.654	M16x1.0mm
<a href="#">WE032</a>		CBT 40 - HC 1 - 3.94	1.000	1.969	2.362	3.937	1.772	1.890	M16x1.0mm
<a href="#">WE034</a>		CBT 40 - HC 1 1/4 - 4.13	1.250	2.362	-	4.134	-	2.165	M16x1.0mm

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G	
<a href="#">WD100</a>	30	CBT 30 - HC 6 - 70	6	26	44.5	70	29.5	27	M5x0.8	
<a href="#">WD102</a>		CBT 30 - HC 8 - 70	8	28	44.5	70	30	27	M6x1.0	
<a href="#">WD104</a>		CBT 30 - HC 10 - 75	10	30	44.5	75	31	32	M8x1.0	
<a href="#">WD106</a>		CBT 30 - HC 12 - 85	12	32	45	85	45	37	M10x1.0	
<a href="#">WD108</a>		CBT 30 - HC 14 - 85	14	34	45	85	45	37	M10x1.0	
<a href="#">WD110</a>		CBT 30 - HC 16 - 90	16	38	45	90	50	42	M10x1.0	
<a href="#">WD112</a>		CBT 30 - HC 18 - 90	18	40	45	90	50	42	M10x1.0	
<a href="#">WD114</a>		CBT 30 - HC 20 - 90	20	42	45	90	50	42	M6x1.0	
<a href="#">WE100</a>		40	CBT 40 - HC 6 - 90	6	26	44.5	90	43	27	M5x0.8
<a href="#">WE102</a>			CBT 40 - HC 8 - 90	8	28	44.5	90	44.5	27	M6x1.0
<a href="#">WE104</a>			CBT 40 - HC 10 - 90	10	30	44.5	90	44.5	32	M8x1.0
<a href="#">WE106</a>			CBT 40 - HC 12 - 90	12	32	44.5	90	44.5	37	M10x1.0
<a href="#">WE108</a>	CBT 40 - HC 14 - 90		14	34	44.5	90	44.5	37	M10x1.0	
<a href="#">WE110</a>	CBT 40 - HC 16 - 90		16	38	44.5	90	47.5	42	M12x1.0	
<a href="#">WE112</a>	CBT 40 - HC 18 - 90		18	40	44.5	90	47.5	42	M12x1.0	
<a href="#">WE114</a>	CBT 40 - HC 20 - 90		20	42	44.5	90	47.5	42	M16x1.0	
<a href="#">WE116</a>	CBT 40 - HC 25 - 100		25	50	60	100	47.5	48	M16x1.0	
<a href="#">WE118</a>	CBT 40 - HC 32 - 105		32	60	-	105	-	55	M16x1.0	

**DUAL CONTACT HYDRAULIC CHUCK (Power E Hydro)**



**CBT (BT DUAL CONTACT) (Inch/Metric)**

Collet(reduction sleeves) Refer to page D31-D38



Unit : inch

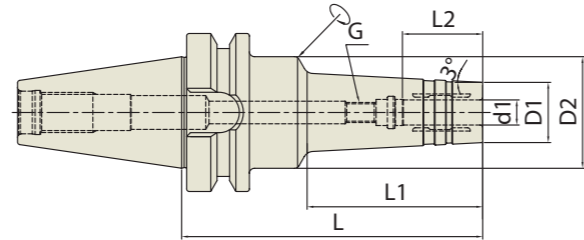
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
<a href="#">WD030PE</a>	30	CBT 30 - HC 3/4P - 3.543	.75	1.496	1.653	1.751	3.543	1.889	M8x1.0mm	1
<a href="#">WE030PE</a>	40	CBT 40 - HC 3/4P - 2.854	.75	1.545	1.938	-	2.854	1.889	M8x1.0mm	2
<a href="#">WE031PE</a>		CBT 40 - HC 1.0P - 3.937	1	1.889	2.067	-	3.937	2.244	M8x1.0mm	2

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
<a href="#">WD112PE</a>	30	CBT 30 - HC 12P - 69	12	32	42	44.5	69	41	M8x1.0	1
<a href="#">WD120PE</a>		CBT 30 - HC 20P - 90	20	38	42	44.5	90	48	M8x1.0	1
<a href="#">WE112PE</a>	40	CBT 40 - HC 12P - 58	12	32	42	-	58	41	M8x1.0	2
<a href="#">WE120PE</a>		CBT 40 - HC 20P - 72.5	20	39.25	49.25	-	72.5	48	M8x1.0	2

\* High Clamping Torque Power version (Please refer to page D172, Technical Information)  
 \* Applicable for milling(roughing and finishing)

**DUAL CONTACT HYDRAULIC CHUCK (For MOULD)**



**CBT (BT DUAL CONTACT)  
(Inch/Metric)**



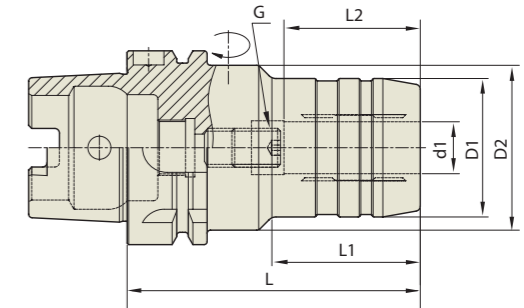
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
<a href="#">WE020HMC</a>	40	CBT 40 - HMC 1/4 - 4.72	.250	.787	1.752	4.724	2.756	1.063	M5x0.8mm
<a href="#">WE022HMC</a>		CBT 40 - HMC 1/4 - 5.91	.250	.787	1.752	5.906	3.937	1.063	M5x0.8mm
<a href="#">WE024HMC</a>		CBT 40 - HMC 5/16 - 4.72	.313	.866	1.752	4.724	2.756	1.063	M6x1.0mm
<a href="#">WE026HMC</a>		CBT 40 - HMC 5/16 - 5.91	.313	.866	1.752	5.906	3.937	1.063	M6x1.0mm
<a href="#">WE028HMC</a>		CBT 40 - HMC 3/8 - 4.72	.375	.945	1.752	4.724	2.756	1.260	M8x1.0mm
<a href="#">WE030HMC</a>		CBT 40 - HMC 3/8 - 5.91	.375	.945	1.752	5.906	3.937	1.260	M8x1.0mm
<a href="#">WE032HMC</a>		CBT 40 - HMC 1/2 - 4.72	.500	1.024	1.752	4.724	2.756	1.457	M10x1.0mm
<a href="#">WE034HMC</a>		CBT 40 - HMC 1/2 - 5.91	.500	1.024	1.752	5.906	3.937	1.457	M10x1.0mm
<a href="#">WE036HMC</a>		CBT 40 - HMC 5/8 - 4.72	.625	1.260	1.752	4.724	2.756	1.654	M12x1.0mm
<a href="#">WE038HMC</a>		CBT 40 - HMC 5/8 - 5.91	.625	1.260	1.752	5.906	3.937	1.654	M12x1.0mm
<a href="#">WE040HMC</a>		CBT 40 - HMC 3/4 - 4.72	.750	1.339	1.722	4.724	-	1.654	M16x1.0mm
<a href="#">WE042HMC</a>		CBT 40 - HMC 3/4 - 5.91	.750	1.339	1.846	5.906	-	1.654	M16x1.0mm

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
<a href="#">WE100HMC</a>	40	CBT 40 - HMC 6 - 120	6	20	44.5	120	70	27	M5x0.8
<a href="#">WE102HMC</a>		CBT 40 - HMC 6 - 150	6	20	44.5	150	100	27	M5x0.8
<a href="#">WE104HMC</a>		CBT 40 - HMC 8 - 120	8	22	44.5	120	70	27	M6x1.0
<a href="#">WE106HMC</a>		CBT 40 - HMC 8 - 150	8	22	44.5	150	100	27	M6x1.0
<a href="#">WE108HMC</a>		CBT 40 - HMC 10 - 120	10	24	44.5	120	70	32	M8x1.0
<a href="#">WE110HMC</a>		CBT 40 - HMC 10 - 150	10	24	44.5	150	100	32	M8x1.0
<a href="#">WE112HMC</a>		CBT 40 - HMC 12 - 120	12	25	44.5	120	70	37	M10x1.0
<a href="#">WE114HMC</a>		CBT 40 - HMC 12 - 150	12	25	44.5	150	100	37	M10x1.0
<a href="#">WE116HMC</a>		CBT 40 - HMC 16 - 120	16	32	44.5	120	70	42	M12x1.0
<a href="#">WE118HMC</a>		CBT 40 - HMC 16 - 150	16	32	44.5	150	100	42	M12x1.0
<a href="#">WE120HMC</a>		CBT 40 - HMC 20 - 120	20	34	43.8	120	-	42	M16x1.0
<a href="#">WE122HMC</a>		CBT 40 - HMC 20 - 150	20	34	46.9	150	-	42	M16x1.0

**DUAL CONTACT HYDRAULIC CHUCK**



**DIN 69893/ISO 12164-1  
HSK FORM A (Inch)**



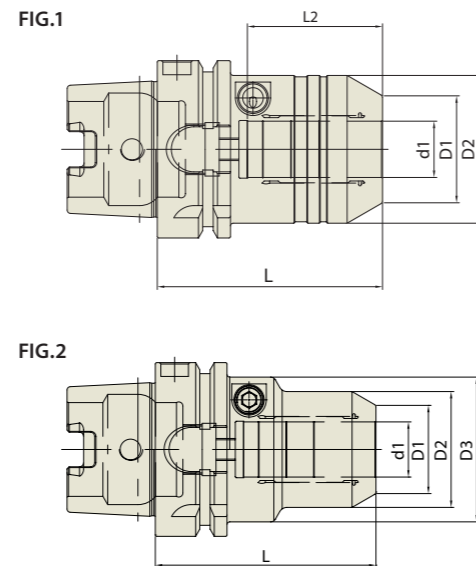
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
<a href="#">WQ020</a>	63A	HSK 63A - HC 1/4 - 2.76	.250	1.024	1.969	2.756	.945	1.063	M5x0.8mm
<a href="#">WQ022</a>		HSK 63A - HC 3/8 - 3.15	.375	1.181	1.969	3.150	1.378	1.260	M8x1.0mm
<a href="#">WQ024</a>		HSK 63A - HC 1/2 - 3.35	.500	1.260	1.969	3.346	1.575	1.457	M10x1.0mm
<a href="#">WQ026</a>		HSK 63A - HC 3/4 - 3.54	.750	1.654	1.969	3.543	1.890	1.654	M16x1.0mm
<a href="#">WQ028</a>		HSK 63A - HC 1" - 4.72	1.000	2.244	2.480	4.724	2.323	1.890	M16x1.0mm
<a href="#">WQ030</a>		HSK 63A - HC 1 1/4 - 4.92	1.250	2.520	2.953	4.921	2.480	2.165	M16x1.0mm
<a href="#">WR020</a>	100A	HSK 100A - HC 1/4 - 2.95	.250	1.024	1.969	2.953	1.024	1.063	M5x0.8mm
<a href="#">WR022</a>		HSK 100A - HC 3/8 - 2.95	.375	1.181	1.969	3.543	1.654	1.260	M8x1.0mm
<a href="#">WR024</a>		HSK 100A - HC 1/2 - 3.74	.500	1.260	1.969	3.740	1.850	1.457	M10x1.0mm
<a href="#">WR026</a>		HSK 100A - HC 3/4 - 4.13	.750	1.654	1.969	4.134	2.323	1.654	M16x1.0mm
<a href="#">WR028</a>		HSK 100A - HC 1" - 4.33	1.000	2.244	2.480	4.331	2.441	1.890	M16x1.0mm
<a href="#">WR032</a>		HSK 100A - HC 1 1/4 - 4.33	1.250	2.520	2.953	4.331	2.441	2.165	M16x1.0mm

**YIG HYDRAULIC CHUCK**

**HSK**

**HYDRAULIC CHUCK (Power E Hydro)**



**DIN 69893/ISO 12164-1 HSK FORM A (Inch/Metric)**

Collet(reduction sleeves) Refer to page D31-D38



Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
<a href="#">WQ002PE</a>	63A	HSK 63A - HC 3/4P - 3.149	.75	1.496	2.066	-	3.149	1.889	M8x1.0mm	1
<a href="#">WQ003PE</a>		HSK 63A - HC 3/4P - 5.118	.75	1.496	2.066	-	5.118	1.889	M8x1.0mm	1
<a href="#">WQ005PE</a>		HSK 63A - HC 1.00P - 3.74	1.00	1.89	2.067	-	3.740	2.244	M8x1.0mm	1
<a href="#">WR002PE</a>	100A	HSK 100A - HC1 1/4P - 3.937	1.25	2.303	2.834	-	3.937	2.244	M8x1.0mm	1

Unit : mm

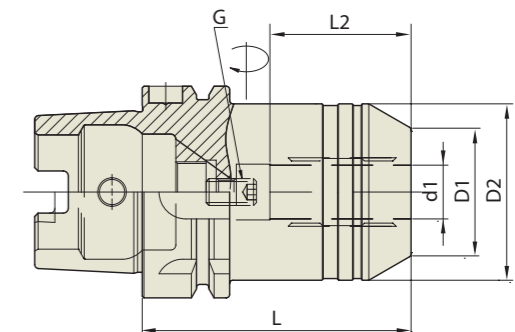
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
<a href="#">WQ100PE</a>	63A	HSK 63A - HC 12P - 80	12	32	42	52.5	80	41	M8x1.0	2
<a href="#">WQ102PE</a>		HSK 63A - HC 20P - 80	20	38	52.5	-	80	48	M8x1.0	1
<a href="#">WR100PE</a>	100A	HSK 100A - HC 20P - 90	20	38	52.5	-	90	48	M8x1.0	1
<a href="#">WR102PE</a>		HSK 100A - HC 32P - 100	32	58.5	72	-	100	57	M8x1.0	1

\* High Clamping Torque Power version (Please refer to page D172, Technical Information)  
 \* Applicable for milling(roughing and finishing)

**YIG HYDRAULIC CHUCK**

**HSK**

**DUAL CONTACT HYDRAULIC CHUCK (SHORT & RIGID)**



**DIN 69893/ISO 12164-1 HSK FORM A (Metric)**

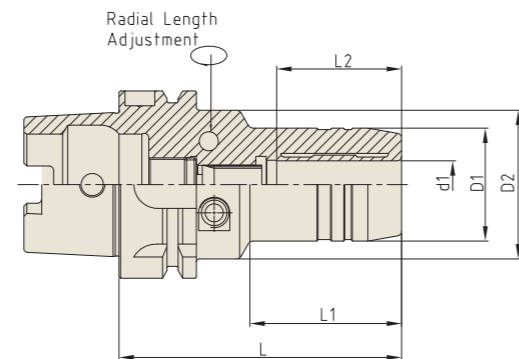
Collet(reduction sleeves) Refer to page D31-D38



Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">WQ100SNR</a>	63A	HSK 63A - HC 12S - 80	12	32	42	80	37	M8x1.0
<a href="#">WQ102SNR</a>		HSK 63A - HC 20S - 80	20	38	52.5	80	42	M8x1.0
<a href="#">WR100SNR</a>	100A	HSK 100A - HC 12S - 85	12	32	42	85	35	M8x1.0
<a href="#">WR102SNR</a>		HSK 100A - HC 20S - 90	20	38	52.5	90	42	M8x1.0

**DUAL CONTACT HYDRAULIC CHUCK (RADIAL TOOL LENGTH PRE-SETTING TYPE)**



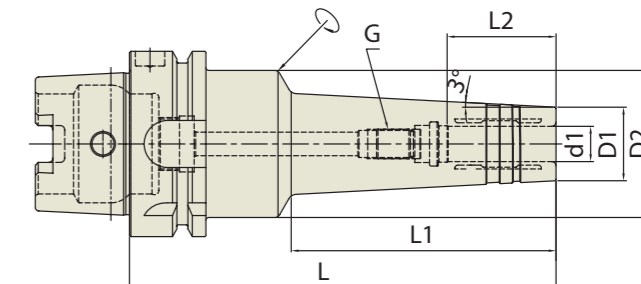
DIN 69893/ISO 12164-1  
HSK FORM A (Metric)

Collet(reduction sleeves)  
Refer to page D31-D38



EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	
Unit : mm									
<a href="#">WO100HCR</a>	63A	HSK 63A - HCR6 - 80	6	26	50	80	33	27	
<a href="#">WO102HCR</a>		HSK 63A - HCR8 - 80	8	28	50	80	33	27	
<a href="#">WO104HCR</a>		HSK 63A - HCR10 - 85	10	30	50	85	38	32	
<a href="#">WO106HCR</a>		HSK 63A - HCR12 - 90	12	32	50	90	40	37	
<a href="#">WO108HCR</a>		HSK 63A - HCR14 - 90	14	34	50	90	46	37	
<a href="#">WO110HCR</a>		HSK 63A - HCR 16 - 95	16	38	50	95	51	42	
<a href="#">WO112HCR</a>		HSK 63A - HCR 18 - 95	18	40	50	95	52	42	
<a href="#">WO114HCR</a>		HSK 63A - HCR 20 - 100	20	42	50	100	51	42	
<a href="#">WO116HCR</a>		HSK 63A - HCR 25 - 120	25	57	63	120	54.5	48	
<a href="#">WO118HCR</a>		HSK 63A - HCR 32 - 125	32	64	75	125	57.5	55	
<a href="#">WR100HCR</a>	100A	HSK 100A - HCR6 - 85	6	26	63	85	33	27	
<a href="#">WR102HCR</a>		HSK 100A - HCR8 - 85	8	28	63	85	33	27	
<a href="#">WR104HCR</a>		HSK 100A - HCR10 - 90	10	30	63	90	36	32	
<a href="#">WR106HCR</a>		HSK 100A - HCR12 - 95	12	32	63	95	40	37	
<a href="#">WR108HCR</a>		HSK 100A - HCR14 - 95	14	34	63	95	41	37	
<a href="#">WR110HCR</a>		HSK 100A - HCR16 - 100	16	38	63	100	46	42	
<a href="#">WR112HCR</a>		HSK 100A - HCR18 - 100	18	40	63	100	46	42	
<a href="#">WR114HCR</a>		HSK 100A - HCR 20 - 105	20	42	75	105	51	42	
<a href="#">WR116HCR</a>		HSK 100A - HCR 25 - 115	25	57	75	115	55.5	48	
<a href="#">WR118HCR</a>		HSK 100A - HCR 32 - 120	32	64	75	120	63.5	55	

**DUAL CONTACT HYDRAULIC CHUCK (For MOULD)**



DIN 69893/ISO 12164-1  
HSK FORM A (Inch/Metric)

Collet(reduction sleeves)  
Refer to page D31-D38

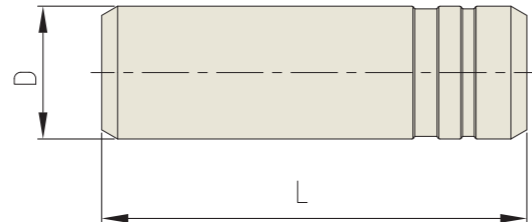


EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
Unit : inch									
<a href="#">WQ020HMC</a>	63A	HSK 63A - HMC 1/4 - 5.71	.250	.787	1.969	5.709	3.543	1.063	M5x0.8mm
<a href="#">WQ022HMC</a>		HSK 63A - HMC 5/16 - 5.71	.313	.866	1.969	5.709	3.543	1.063	M6x1.0mm
<a href="#">WQ024HMC</a>		HSK 63A - HMC 3/8 - 5.71	.375	.945	1.969	5.709	3.543	1.260	M8x1.0mm
<a href="#">WQ026HMC</a>		HSK 63A - HMC 1/2 - 5.71	.500	1.024	1.969	5.709	3.543	1.457	M10x1.0mm
<a href="#">WQ028HMC</a>		HSK 63A - HMC 5/8 - 5.71	.625	1.260	1.969	5.709	3.543	1.654	M12x1.0mm
<a href="#">WQ030HMC</a>		HSK 63A - HMC 3/4 - 5.71	.750	1.339	1.969	5.709	3.543	1.654	M16x1.0mm
<a href="#">WR100HMC</a>	100A	HSK 100A - HMC 1/4 - 5.71	.250	.787	1.969	5.709	3.543	1.063	M5x0.8mm
<a href="#">WR102HMC</a>		HSK 100A - HMC 5/16 - 5.71	.313	.866	1.969	5.709	3.543	1.063	M6x1.0mm
<a href="#">WR104HMC</a>		HSK 100A - HMC 3/8 - 5.71	.375	.945	1.969	5.709	3.543	1.260	M8x1.0mm
<a href="#">WR106HMC</a>		HSK 100A - HMC 1/2 - 5.71	.500	1.024	1.969	5.709	3.543	1.457	M10x1.0mm
<a href="#">WR108HMC</a>		HSK 100A - HMC 5/8 - 5.71	.625	1.260	1.969	5.709	3.543	1.654	M12x1.0mm
<a href="#">WR110HMC</a>		HSK 100A - HMC 3/4 - 5.71	.750	1.339	1.969	5.709	3.543	1.654	M16x1.0mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
Unit : mm									
<a href="#">WO100HMC</a>	63A	HSK 63A - HMC 6 - 145	6	20	50	145	90	27	M5x0.8
<a href="#">WO102HMC</a>		HSK 63A - HMC 8 - 145	8	22	50	145	90	27	M6x1.0
<a href="#">WO104HMC</a>		HSK 63A - HMC 10 - 145	10	24	50	145	90	32	M8x1.0
<a href="#">WO106HMC</a>		HSK 63A - HMC 12 - 145	12	25	50	145	90	37	M10x1.0
<a href="#">WO108HMC</a>		HSK 63A - HMC 16 - 145	16	32	50	145	90	42	M12x1.0
<a href="#">WO110HMC</a>		HSK 63A - HMC 20 - 145	20	34	50	145	90	42	M16x1.0
<a href="#">WR200HMC</a>	100A	HSK 100A - HMC 6 - 150	6	20	50	150	90	27	M5x0.8
<a href="#">WR202HMC</a>		HSK 100A - HMC 8 - 150	8	22	50	150	90	27	M6x1.0
<a href="#">WR204HMC</a>		HSK 100A - HMC10 - 150	10	24	50	150	90	32	M8x1.0
<a href="#">WR206HMC</a>		HSK 100A - HMC12 - 150	12	25	50	150	90	37	M10x1.0
<a href="#">WR208HMC</a>		HSK 100A - HMC16 - 150	16	32	50	150	90	42	M12x1.0
<a href="#">WR210HMC</a>		HSK 100A - HMC20 - 150	20	34	50	150	90	42	M16x1.0



TEST PIECE



HYDRAULIC CHUCK TEST PIECE (SLIM)

DESCRIPTIONS	EDP No.	Unit : inch	
		D	L
TP 1/4	ZZ151	1/4	2.756
TP 5/16	ZZ152	5/16	2.756
TP 3/8	ZZ153	3/8	3.149
TP 1/2	ZZ154	1/2	3.149
TP 5/8	ZZ155	5/8	3.543
TP 3/4	ZZ156	3/4	3.937
TP 1	ZZ157	1	3.937
TP 1 1/4	ZZ158	1 1/4	3.937

HYDRAULIC CHUCK TEST PIECE (POWER E-HYDRO)

DESCRIPTIONS	EDP No.	Unit : inch	
		D	L
TP 1/2P	ZZ175	1/2	3.149
TP 3/4P	ZZ172	3/4	3.937
TP 1"P	ZZ173	1"	3.937
TP 1 1/4P	ZZ174	1 1/4	3.937

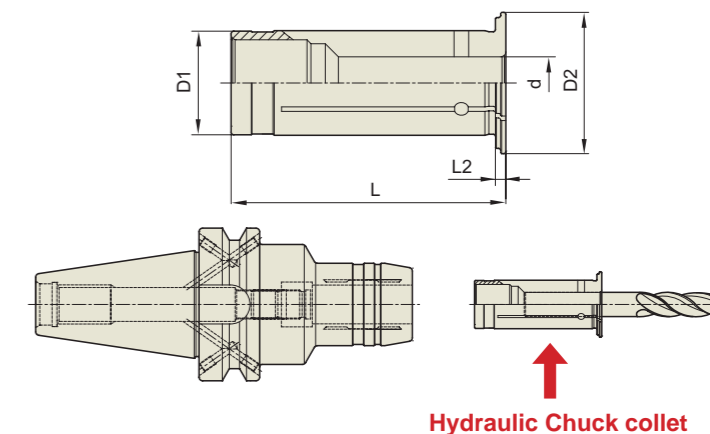
HYDRAULIC CHUCK TEST PIECE (SLIM)

DESCRIPTIONS	EDP No.	Unit : mm	
		D	L
TP 6	ZZ159	6	70
TP 8	ZZ160	8	70
TP 10	ZZ161	10	80
TP 12	ZZ162	12	80
TP 14	ZZ163	14	80
TP 16	ZZ164	16	90
TP 18	ZZ165	18	90
TP 20	ZZ166	20	100
TP 25	ZZ167	25	100
TP 32	ZZ168	32	100

HYDRAULIC CHUCK TEST PIECE (POWER E-HYDRO)

DESCRIPTIONS	EDP No.	Unit : mm	
		D	L
TP 12P	ZZ169	12	80
TP 20P	ZZ170	20	100
TP 32P	ZZ171	32	100

HYDRAULIC CHUCK COLLET (REDUCTION SLEEVE : OPEN TYPE)



METRIC / INCH

EDP No.	TYPE	Unit : inch					
		d	D1	D2	L	L2	
<a href="#">412108</a>	HK12	1/8"	.125	.472	.748	1.850	.079
<a href="#">412316</a>		3/16"	.188	.472	.748	1.850	.079
<a href="#">412104</a>		1/4"	.250	.472	.748	1.850	.079
<a href="#">412516</a>		5/16"	.313	.472	.748	1.850	.079
<a href="#">420108</a>	HK20	1/8"	.125	.787	1.063	2.067	.079
<a href="#">420316</a>		3/16"	.188	.787	1.063	2.067	.079
<a href="#">420104</a>		1/4"	.250	.787	1.063	2.067	.079
<a href="#">420516</a>		5/16"	.313	.787	1.063	2.067	.079
<a href="#">420308</a>		3/8"	.375	.787	1.063	2.067	.079
<a href="#">420102</a>		1/2"	.500	.787	1.063	2.067	.079
<a href="#">420508</a>		5/8"	.625	.787	1.063	2.067	.079
<a href="#">432108</a>		HK32	1/8"	.125	1.260	1.535	2.500
<a href="#">432316</a>	3/16"		.188	1.260	1.535	2.500	.118
<a href="#">432104</a>	1/4"		.250	1.260	1.535	2.500	.118
<a href="#">432516</a>	5/16"		.313	1.260	1.535	2.500	.118
<a href="#">432308</a>	3/8"		.375	1.260	1.535	2.500	.118
<a href="#">432102</a>	1/2"		.500	1.260	1.535	2.500	.118
<a href="#">432508</a>	5/8"		.625	1.260	1.535	2.500	.118
<a href="#">432304</a>	3/4"		.750	1.260	1.535	2.500	.118
<a href="#">432100</a>	1		1.000	1.260	1.535	2.500	.118

\* Other special sizes of Hydraulic Chuck collets can be supplied on request.

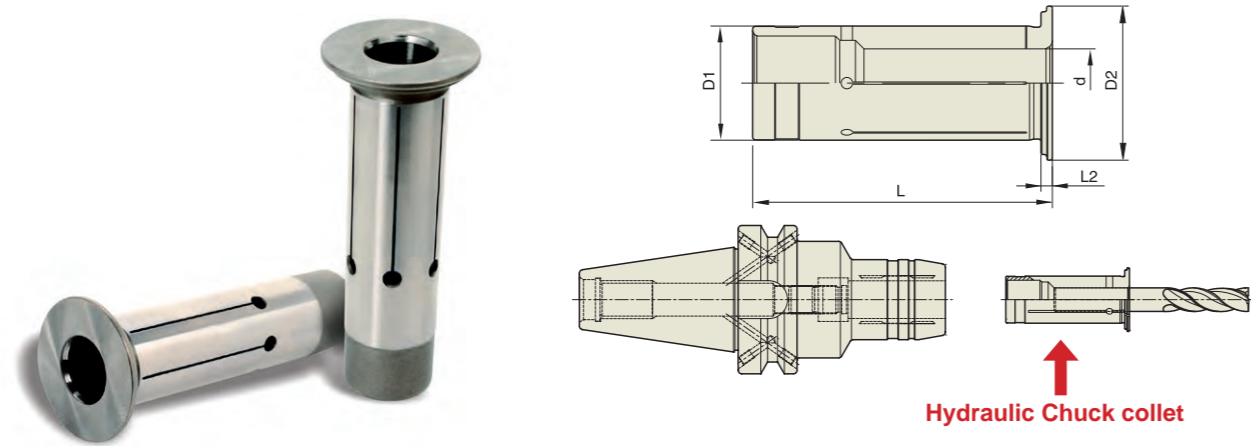
Feature

Hydraulic Chuck collet(reduction sleeve) is cut into trisection by high precision cutting to guarantee precise I.D and strong clamping power.(The most economical Solution)

Chucking Method

Please assemble cutting tool with collet first, and then insert collet into Hydraulic Chuck.

**HYDRAULIC CHUCK COLLET (REDUCTION SLEEVE : CLOSED TYPE)**



**METRIC / INCH**

Unit : inch

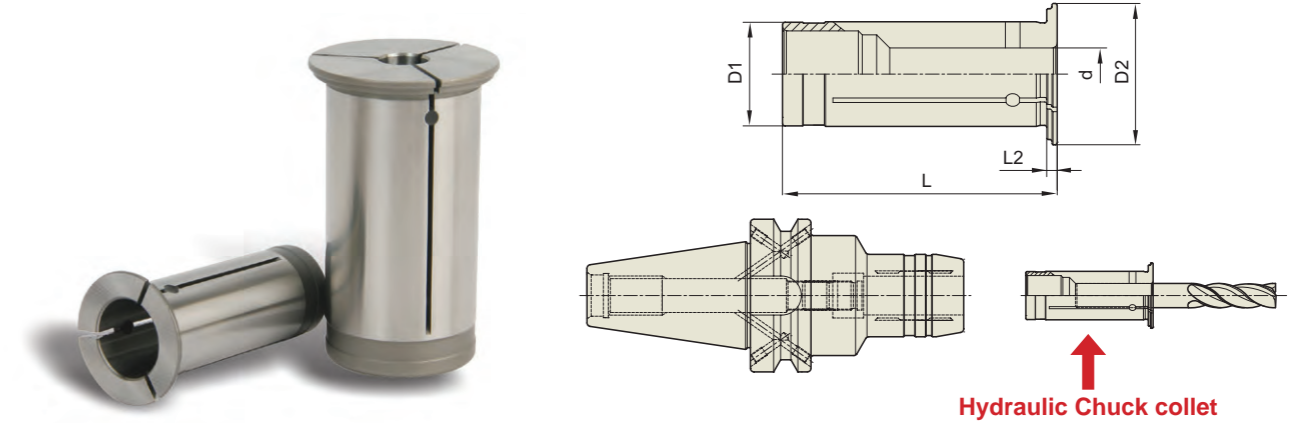
EDP No.	TYPE	d	D1	D2	L	L2	
<a href="#">512108</a>	HS12	1/8"	.125	.472	.748	1.850	.079
<a href="#">512316</a>		3/16"	.188	.472	.748	1.850	.079
<a href="#">512104</a>		1/4"	.250	.472	.748	1.850	.079
<a href="#">512516</a>		5/16"	.313	.472	.748	1.850	.079
<a href="#">520108</a>		1/8"	.125	.787	1.063	2.067	.079
<a href="#">520316</a>	HS20	3/16"	.188	.787	1.063	2.067	.079
<a href="#">520104</a>		1/4"	.250	.787	1.063	2.067	.079
<a href="#">520516</a>		5/16"	.313	.787	1.063	2.067	.079
<a href="#">520308</a>		3/8"	.375	.787	1.063	2.067	.079
<a href="#">520102</a>		1/2"	.500	.787	1.063	2.067	.079
<a href="#">520508</a>	HS32	5/8"	.625	.787	1.063	2.067	.079
<a href="#">532108</a>		1/8"	.125	1.260	1.535	2.500	.118
<a href="#">532316</a>		3/16"	.188	1.260	1.535	2.500	.118
<a href="#">532104</a>		1/4"	.250	1.260	1.535	2.500	.118
<a href="#">532516</a>		5/16"	.313	1.260	1.535	2.500	.118
<a href="#">532308</a>	HS32	3/8"	.375	1.260	1.535	2.500	.118
<a href="#">532102</a>		1/2"	.500	1.260	1.535	2.500	.118
<a href="#">532508</a>		5/8"	.625	1.260	1.535	2.500	.118
<a href="#">532304</a>		3/4"	.750	1.260	1.535	2.500	.118
<a href="#">532100</a>	1	1.000	1.260	1.535	2.500	.118	

\* Other special sizes of Hydraulic Chuck collets can be supplied on request.

**Feature** The wall of Hydraulic Chuck collet(reduction sleeve) is cut by high precision wire-cutting to guarantee precise I.D and strong clamping power.

**Chucking Method** Please assemble cutting tool with collet first, and then insert collet into Hydraulic Chuck.

**HYDRAULIC CHUCK COLLET (REDUCTION SLEEVE : CLOSED TYPE)**



**INCH / INCH**

Unit : inch

EDP No.	TYPE	d	D1	D2	L	L2	
<a href="#">612108</a>	HK1/2"	1/8"	.125	.500	.748	1.850	.079
<a href="#">612316</a>		3/16"	.188	.500	.748	1.850	.079
<a href="#">612104</a>		1/4"	.250	.500	.748	1.850	.079
<a href="#">612516</a>		5/16"	.313	.500	.748	1.850	.079
<a href="#">625108</a>		1/8"	.125	.750	1.063	2.067	.079
<a href="#">625316</a>	HK3/4"	3/16"	.188	.750	1.063	2.067	.079
<a href="#">625104</a>		1/4"	.250	.750	1.063	2.067	.079
<a href="#">625516</a>		5/16"	.313	.750	1.063	2.067	.079
<a href="#">625308</a>		3/8"	.375	.750	1.063	2.067	.079
<a href="#">625102</a>		1/2"	.500	.750	1.063	2.067	.079
<a href="#">625508</a>	HK1"	5/8"	.625	.750	1.063	2.067	.079
<a href="#">626316</a>		3/16"	.188	1.000	1.142	2.224	.079
<a href="#">626104</a>		1/4"	.250	1.000	1.142	2.224	.079
<a href="#">626516</a>		5/16"	.313	1.000	1.142	2.224	.079
<a href="#">626308</a>		3/8"	.375	1.000	1.142	2.224	.079
<a href="#">626716</a>	HK1"	7/16"	.438	1.000	1.142	2.224	.079
<a href="#">626102</a>		1/2"	.500	1.000	1.142	2.224	.079
<a href="#">626508</a>		5/8"	.625	1.000	1.142	2.224	.079
<a href="#">626304</a>		3/4"	.750	1.000	1.142	2.224	.079
<a href="#">632108</a>	HK1 1/4"	1/8"	.125	1.250	1.535	2.500	.118
<a href="#">632316</a>		3/16"	.188	1.250	1.535	2.500	.118
<a href="#">632104</a>		1/4"	.250	1.250	1.535	2.500	.118
<a href="#">632516</a>		5/16"	.313	1.250	1.535	2.500	.118
<a href="#">632308</a>		3/8"	.375	1.250	1.535	2.500	.118
<a href="#">632102</a>		1/2"	.500	1.250	1.535	2.500	.118
<a href="#">632508</a>		5/8"	.625	1.250	1.535	2.500	.118
<a href="#">632304</a>		3/4"	.750	1.250	1.535	2.500	.118
<a href="#">632100</a>		1	1.000	1.250	1.535	2.500	.118

\* Other special sizes of Hydraulic Chuck collets can be supplied on request.

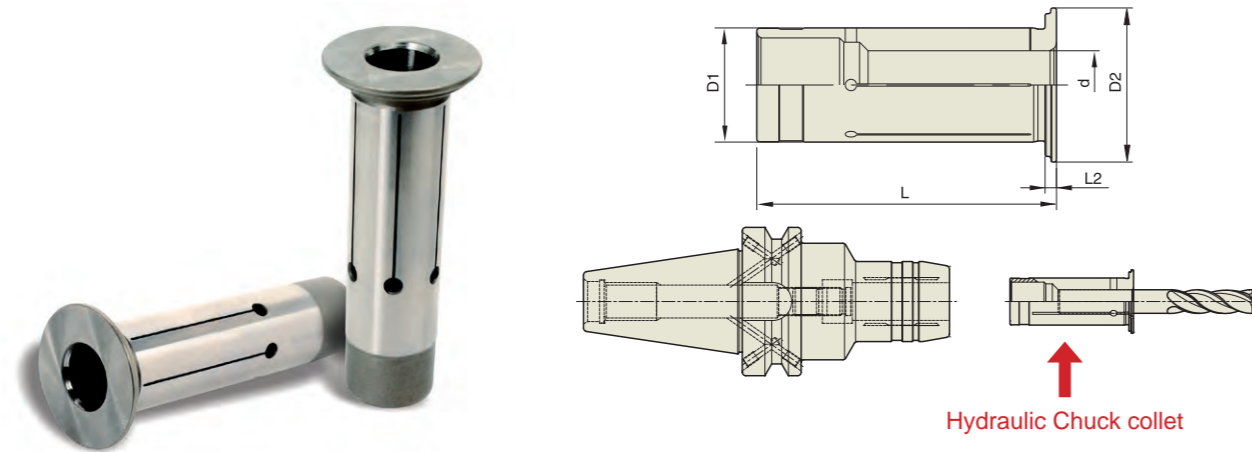
**Feature** Hydraulic Chuck collet(reduction sleeve) is cut into trisection by high precision cutting to guarantee precise I.D and strong clamping power.

**Chucking Method** Please assemble cutting tool with collet first, and then insert collet into Hydraulic Chuck.

**YIG HYDRAULIC CHUCK**

**HS**

**HYDRAULIC CHUCK COLLET (REDUCTION SLEEVE : CLOSED TYPE)**



**INCH / INCH**

Unit : inch

EDP No.	TYPE	d	D1	D2	L	L2	
<a href="#">712108</a>	HS1/2"	1/8"	.125	.500	.748	1.850	.079
<a href="#">712316</a>		3/16"	.188	.500	.748	1.850	.079
<a href="#">712104</a>		1/4"	.250	.500	.748	1.850	.079
<a href="#">712516</a>		5/16"	.313	.500	.748	1.850	.079
<a href="#">725108</a>		1/8"	.125	.750	1.063	2.067	.079
<a href="#">725316</a>	HS3/4"	3/16"	.188	.750	1.063	2.067	.079
<a href="#">725104</a>		1/4"	.250	.750	1.063	2.067	.079
<a href="#">725516</a>		5/16"	.313	.750	1.063	2.067	.079
<a href="#">725308</a>		3/8"	.375	.750	1.063	2.067	.079
<a href="#">725102</a>		1/2"	.500	.750	1.063	2.067	.079
<a href="#">725508</a>	HS1"	5/8"	.625	.750	1.063	2.067	.079
<a href="#">726316</a>		3/16	.188	1.000	1.142	2.224	.079
<a href="#">726104</a>		1/4	.250	1.000	1.142	2.224	.079
<a href="#">726516</a>		5/16	.313	1.000	1.142	2.224	.079
<a href="#">726308</a>		3/8	.375	1.000	1.142	2.224	.079
<a href="#">726716</a>	HS11/4"	7/16	.438	1.000	1.142	2.224	.079
<a href="#">726102</a>		1/2	.500	1.000	1.142	2.224	.079
<a href="#">726508</a>		5/8	.625	1.000	1.142	2.224	.079
<a href="#">726304</a>		3/4	.750	1.000	1.142	2.224	.079
<a href="#">732108</a>		HS11/4"	1/8"	.125	1.250	1.535	2.500
<a href="#">732316</a>	3/16"		.188	1.250	1.535	2.500	.118
<a href="#">732104</a>	1/4"		.250	1.250	1.535	2.500	.118
<a href="#">732516</a>	5/16"		.313	1.250	1.535	2.500	.118
<a href="#">732308</a>	3/8"		.375	1.250	1.535	2.500	.118
<a href="#">732102</a>	1/2"		.500	1.250	1.535	2.500	.118
<a href="#">732508</a>	5/8"		.625	1.250	1.535	2.500	.118
<a href="#">732304</a>	3/4"		.750	1.250	1.535	2.500	.118
<a href="#">732100</a>	1		1.000	1.250	1.535	2.500	.118

\* Other special sizes of Hydraulic Chuck collets can be supplied on request.

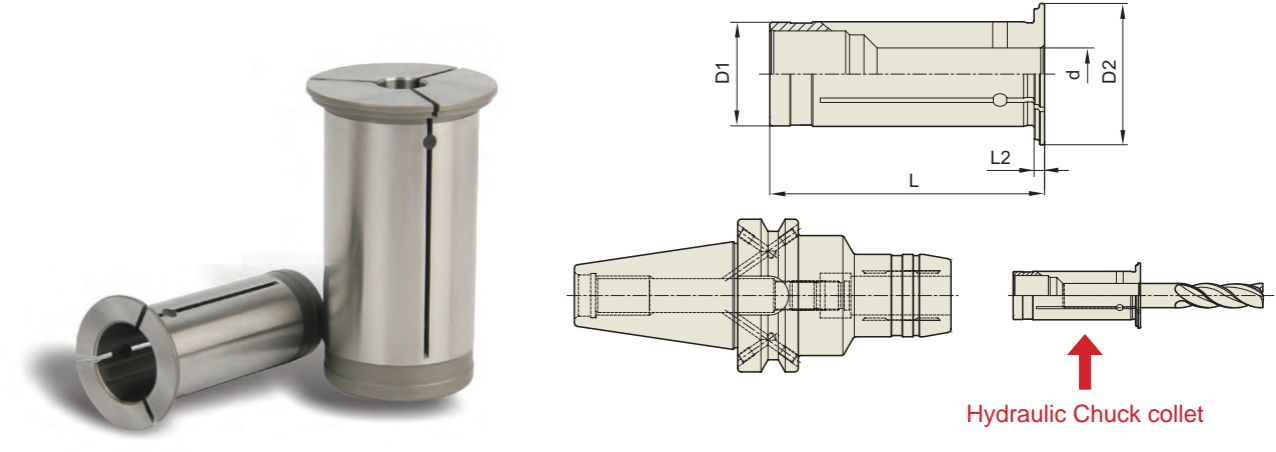
**Feature** The wall of Hydraulic Chuck collet(reduction sleeve) is cut by high precision wire-cutting to guarantee precise I.D and strong clamping power.

**Chucking Method** Please assemble cutting tool with collet first, and then insert collet into Hydraulic Chuck.

**YIG HYDRAULIC CHUCK**

**HK**

**HYDRAULIC CHUCK COLLET (REDUCTION SLEEVE : CLOSED TYPE)**



**METRIC / METRIC**

Unit : mm

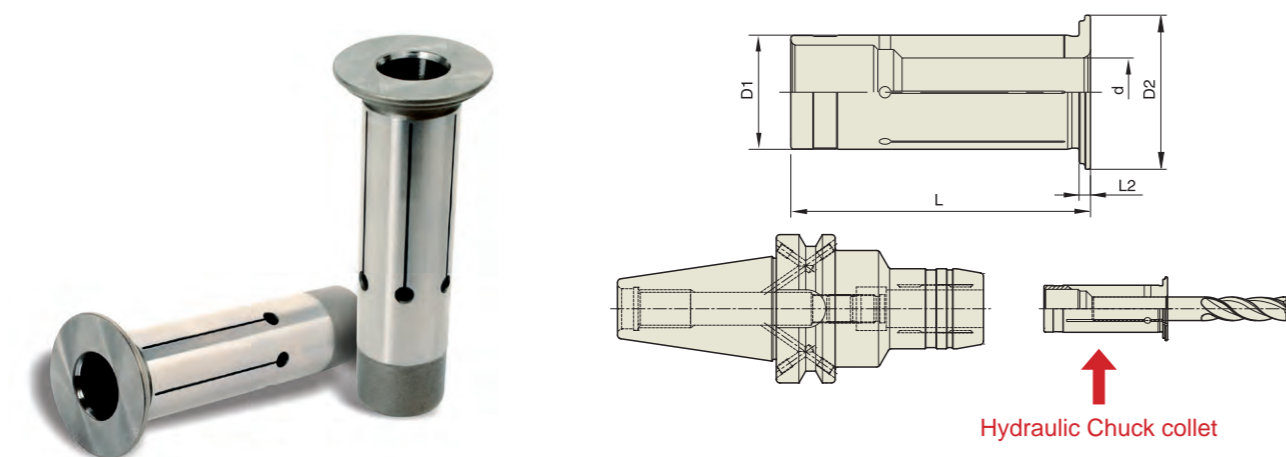
EDP No.	TYPE	d	D1	D2	L	L2	
<a href="#">812030</a>	HK12	3	3	12	19	47	2
<a href="#">812040</a>		4	4	12	19	47	2
<a href="#">812050</a>		5	5	12	19	47	2
<a href="#">812060</a>		6	6	12	19	47	2
<a href="#">812070</a>		7	7	12	19	47	2
<a href="#">812008</a>		8	8	12	19	47	2
<a href="#">820030</a>		HK20	3	3	20	27	52.5
<a href="#">820040</a>	4		4	20	27	52.5	2
<a href="#">820050</a>	5		5	20	27	52.5	2
<a href="#">820060</a>	6		6	20	27	52.5	2
<a href="#">820070</a>	7		7	20	27	52.5	2
<a href="#">820080</a>	8		8	20	27	52.5	2
<a href="#">820090</a>	9		9	20	27	52.5	2
<a href="#">820100</a>	10		10	20	27	52.5	2
<a href="#">820110</a>	11		11	20	27	52.5	2
<a href="#">820120</a>	12		12	20	27	52.5	2
<a href="#">820130</a>	13		13	20	27	52.5	2
<a href="#">820140</a>	14		14	20	27	52.5	2
<a href="#">820150</a>	15		15	20	27	52.5	2
<a href="#">820160</a>	16		16	20	27	52.5	2
<a href="#">832060</a>	HK32		6	6	32	39	63.5
<a href="#">832080</a>		8	8	32	39	63.5	3
<a href="#">832100</a>		10	10	32	39	63.5	3
<a href="#">832120</a>		12	12	32	39	63.5	3
<a href="#">832140</a>		14	14	32	39	63.5	3
<a href="#">832160</a>		16	16	32	39	63.5	3
<a href="#">832180</a>		18	18	32	39	63.5	3
<a href="#">832200</a>		20	20	32	39	63.5	3
<a href="#">832250</a>		25	25	32	39	63.5	3

\* Other special sizes of Hydraulic Chuck collets can be supplied on request.

**Feature** Hydraulic Chuck collet(reduction sleeve) is cut into trisection by high precision cutting to guarantee precise I.D and strong clamping power.

**Chucking Method** Please assemble cutting tool with collet first, and then insert collet into Hydraulic Chuck.

**HYDRAULIC CHUCK COLLET (REDUCTION SLEEVE : CLOSED TYPE)**



**METRIC / METRIC**

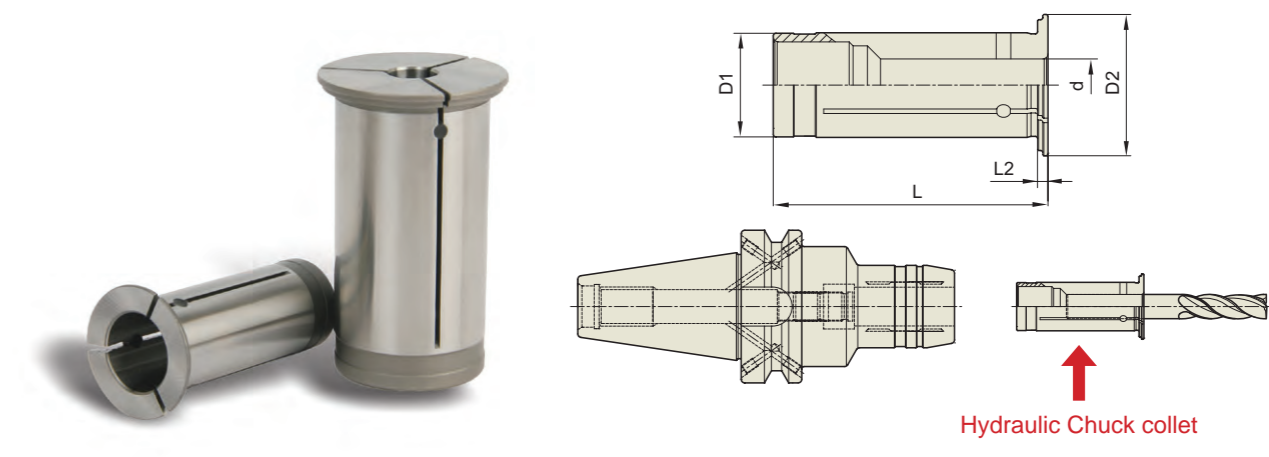
Unit : mm

EDP No.	TYPE	d	D1	D2	L	L2	
<a href="#">912030</a>	HS12	3	12	19	47	2	
<a href="#">912040</a>		4	12	19	47	2	
<a href="#">912050</a>		5	12	19	47	2	
<a href="#">912060</a>		6	12	19	47	2	
<a href="#">912070</a>		7	12	19	47	2	
<a href="#">912080</a>		8	12	19	47	2	
<a href="#">920030</a>		HS20	3	20	27	52.5	2
<a href="#">920040</a>			4	20	27	52.5	2
<a href="#">920050</a>	5		20	27	52.5	2	
<a href="#">920060</a>	6		20	27	52.5	2	
<a href="#">920070</a>	7		20	27	52.5	2	
<a href="#">920080</a>	8		20	27	52.5	2	
<a href="#">920090</a>	9		20	27	52.5	2	
<a href="#">920100</a>	10		20	27	52.5	2	
<a href="#">920110</a>	11		20	27	52.5	2	
<a href="#">920120</a>	12		20	27	52.5	2	
<a href="#">920130</a>	13		20	27	52.5	2	
<a href="#">920140</a>	14		20	27	52.5	2	
<a href="#">920150</a>	15	20	27	52.5	2		
<a href="#">920160</a>	16	20	27	52.5	2		
<a href="#">932060</a>	HS32	6	32	39	63.5	3	
<a href="#">932080</a>		8	32	39	63.5	3	
<a href="#">932100</a>		10	32	39	63.5	3	
<a href="#">932120</a>		12	32	39	63.5	3	
<a href="#">932140</a>		14	32	39	63.5	3	
<a href="#">932160</a>		16	32	39	63.5	3	
<a href="#">932180</a>		18	32	39	63.5	3	
<a href="#">932200</a>		20	32	39	63.5	3	
<a href="#">932250</a>	25	32	39	63.5	3		

\* Other special sizes of Hydraulic Chuck collets can be supplied on request.

- Feature** The wall of Hydraulic Chuck collet(reduction sleeve) is cut by high precision wire-cutting to guarantee precise I.D and strong clamping power.
- Chucking Method** Please assemble cutting tool with collet first, and then insert collet into Hydraulic Chuck.

**HYDRAULIC CHUCK COLLET (REDUCTION SLEEVE : OPEN TYPE)**



**INCH / METRIC**

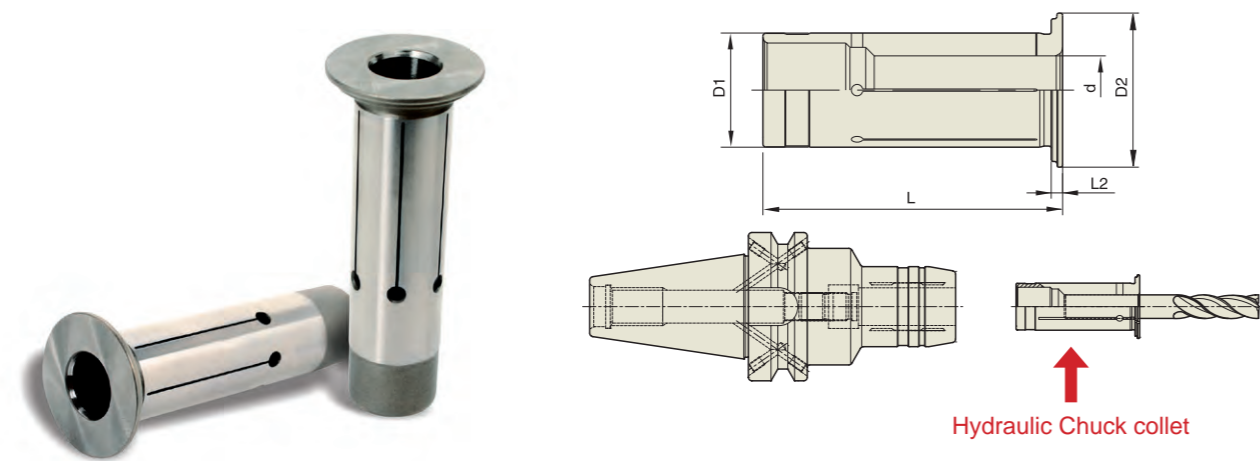
Unit : inch

EDP No.	TYPE	d	D1	D2	L	L2	
<a href="#">101203</a>	HK1/2"	3	.500	.748	1.850	.079	
<a href="#">101204</a>		4	.500	.748	1.850	.079	
<a href="#">101205</a>		5	.500	.748	1.850	.079	
<a href="#">101206</a>		6	.500	.748	1.850	.079	
<a href="#">101208</a>		8	.500	.748	1.850	.079	
<a href="#">102503</a>		HK3/4"	3	.750	1.063	2.067	.079
<a href="#">102504</a>			4	.750	1.063	2.067	.079
<a href="#">102505</a>			5	.750	1.063	2.067	.079
<a href="#">102506</a>	6		.750	1.063	2.067	.079	
<a href="#">102508</a>	8		.750	1.063	2.067	.079	
<a href="#">102510</a>	10		.750	1.063	2.067	.079	
<a href="#">102512</a>	12		.750	1.063	2.067	.079	
<a href="#">102514</a>	14		.750	1.063	2.067	.079	
<a href="#">102606</a>	HK1"	6	1.000	1.142	2.224	.079	
<a href="#">102608</a>		8	1.000	1.142	2.224	.079	
<a href="#">102610</a>		10	1.000	1.142	2.224	.079	
<a href="#">102612</a>		12	1.000	1.142	2.224	.079	
<a href="#">102614</a>		14	1.000	1.142	2.224	.079	
<a href="#">102616</a>		16	1.000	1.142	2.224	.079	
<a href="#">102618</a>		18	1.000	1.142	2.224	.079	
<a href="#">102620</a>		20	1.000	1.142	2.224	.079	
<a href="#">103208</a>	HK11/4"	8	1.250	1.535	2.500	.118	
<a href="#">103210</a>		10	1.250	1.535	2.500	.118	
<a href="#">103212</a>		12	1.250	1.535	2.500	.118	
<a href="#">103214</a>		14	1.250	1.535	2.500	.118	
<a href="#">103216</a>		16	1.250	1.535	2.500	.118	
<a href="#">103218</a>		18	1.250	1.535	2.500	.118	
<a href="#">103220</a>		20	1.250	1.535	2.500	.118	
<a href="#">103225</a>		25	1.250	1.535	2.500	.118	

\* Other special sizes of Hydraulic Chuck collets can be supplied on request.

- Feature** Hydraulic Chuck collet(reduction sleeve) is cut into trisection by high precision cutting to guarantee precise I.D and strong clamping power. (The most economical Solution)
- Chucking Method** Please assemble cutting tool with collet first, and then insert collet into Hydraulic Chuck.

**HYDRAULIC CHUCK COLLET (REDUCTION SLEEVE : CLOSED TYPE)**



**INCH / METRIC**

Unit : inch

EDP No.	TYPE	d	D1	D2	L	L2		
<a href="#">111203</a>	HS1/2"	3	3mm	.500	.748	1.850	.079	
<a href="#">111204</a>		4	4mm	.500	.748	1.850	.079	
<a href="#">111205</a>		5	5mm	.500	.748	1.850	.079	
<a href="#">111206</a>		6	6mm	.500	.748	1.850	.079	
<a href="#">111208</a>		8	8mm	.500	.748	1.850	.079	
<a href="#">112503</a>		HS3/4"	3	3mm	.750	1.063	2.067	.079
<a href="#">112504</a>	4		4mm	.750	1.063	2.067	.079	
<a href="#">112505</a>	5		5mm	.750	1.063	2.067	.079	
<a href="#">112506</a>	6		6mm	.750	1.063	2.067	.079	
<a href="#">112508</a>	8		8mm	.750	1.063	2.067	.079	
<a href="#">112510</a>	10		10mm	.750	1.063	2.067	.079	
<a href="#">112512</a>	12		12mm	.750	1.063	2.067	.079	
<a href="#">112514</a>	14		14mm	.750	1.063	2.067	.079	
<a href="#">112606</a>	HS1"		6	6mm	1.000	1.142	2.224	.079
<a href="#">112608</a>			8	8mm	1.000	1.142	2.224	.079
<a href="#">112610</a>		10	10mm	1.000	1.142	2.224	.079	
<a href="#">112612</a>		12	12mm	1.000	1.142	2.224	.079	
<a href="#">112614</a>		14	14mm	1.000	1.142	2.224	.079	
<a href="#">112616</a>		16	16mm	1.000	1.142	2.224	.079	
<a href="#">112618</a>		18	18mm	1.000	1.142	2.224	.079	
<a href="#">112620</a>		20	20mm	1.000	1.142	2.224	.079	
<a href="#">113208</a>	HS11/4"	8	8mm	1.250	1.535	2.500	.118	
<a href="#">113210</a>		10	10mm	1.250	1.535	2.500	.118	
<a href="#">113212</a>		12	12mm	1.250	1.535	2.500	.118	
<a href="#">113214</a>		14	14mm	1.250	1.535	2.500	.118	
<a href="#">113216</a>		16	16mm	1.250	1.535	2.500	.118	
<a href="#">113218</a>		18	18mm	1.250	1.535	2.500	.118	
<a href="#">113220</a>		20	20mm	1.250	1.535	2.500	.118	
<a href="#">113225</a>		25	25mm	1.250	1.535	2.500	.118	

\* Other special sizes of Hydraulic Chuck collets can be supplied on request.

**Feature** The wall of Hydraulic Chuck collet(reduction sleeve) is cut by high precision wire-cutting to guarantee precise I.D and strong clamping power.

**Chucking Method** Please assemble cutting tool with collet first, and then insert collet into Hydraulic Chuck.

**YG-1 ROTARY TOOLING**

**SHRINK FIT HOLDER**

STANDARD, COOLANT CHANNEL (RESEALABLE),  
INTERMEDIATE, REINFORCED, EXTENSION

**SHRINK FIT HOLDER**

CAT : ASME B5.50-2009

CCT : CAT DUAL CONTACT

BT : JIS B6339/MAS 403-BT/ISO7388-2

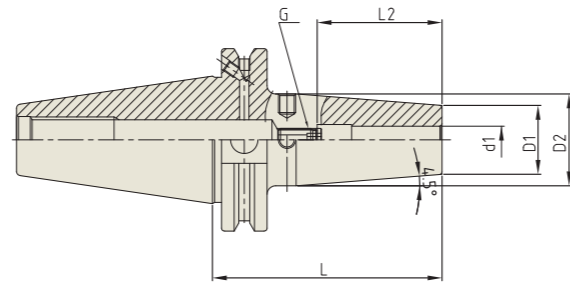
CBT : BT DUAL CONTACT

HSK : DIN69893/ISO12164-1

STRAIGHT



**SHRINK FIT HOLDER**

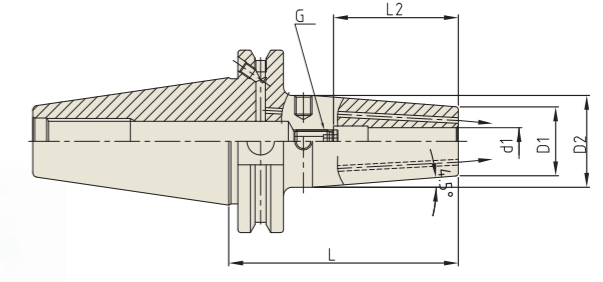


**ASME B5.50-2009-CAT (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">VK020</a>	40	CAT40 AD/B - SFH 1/8 - 3.15	.125	.394	.748	3.150	.354	-
<a href="#">VK028</a>		CAT40 AD/B - SFH 1/8 - 5.12	.125	.394	.748	5.120	.354	-
<a href="#">VK022</a>		CAT40 AD/B - SFH 3/16 - 3.15	.188	.394	.748	3.150	.472	-
<a href="#">VK029</a>		CAT40 AD/B - SFH 3/16 - 5.12	.188	.394	.748	5.120	.472	-
<a href="#">VK024</a>		CAT40 AD/B - SFH 1/4 - 3.15	.250	.827	1.063	3.150	1.417	M5x.8mm
<a href="#">VK026</a>		CAT40 AD/B - SFH 1/4 - 6.30	.250	.827	1.063	6.300	1.417	M5x.8mm
<a href="#">VK028</a>		CAT40 AD/B - SFH 3/8 - 3.15	.375	.945	1.260	3.150	1.713	M8x1.0mm
<a href="#">VK030</a>		CAT40 AD/B - SFH 3/8 - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm
<a href="#">VK032</a>		CAT40 AD/B - SFH 1/2 - 3.15	.500	.945	1.260	3.150	1.890	M10x1.0mm
<a href="#">VK034</a>		CAT40 AD/B - SFH 1/2 - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
<a href="#">VK036</a>		CAT40 AD/B - SFH 5/8 - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
<a href="#">VK038</a>		CAT40 AD/B - SFH 5/8 - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
<a href="#">VK040</a>		CAT40 AD/B - SFH 3/4 - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
<a href="#">VK042</a>		CAT40 AD/B - SFH 3/4 - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
<a href="#">VK044</a>		CAT40 AD/B - SFH 1.0 - 3.94	1.000	1.732	2.087	3.937	2.362	M16x1.0mm
<a href="#">VK046</a>		CAT40 AD/B - SFH 1.0 - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
<a href="#">VK048</a>		CAT40 AD/B - SFH 1 1/4 - 3.94	1.250	1.732	2.087	3.937	2.362	M16x1.0mm
<a href="#">VK050</a>		CAT40 AD/B - SFH 1 1/4 - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm

**SHRINK FIT HOLDER (Coolant Channel Type)**



**ASME B5.50-2009-CAT (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">VK020J</a>	40	CAT40 AD/B - SFH 1/8C - 3.15	.125	.472	.827	3.150	.394	-
<a href="#">VK022J</a>		CAT40 AD/B - SFH 3/16C - 3.15	.188	.472	.827	3.150	.472	-
<a href="#">VK024J</a>		CAT40 AD/B - SFH 1/4C - 3.15	.250	.472	.827	3.150	.591	M5x0.8mm
<a href="#">VK028J</a>		CAT40 AD/B - SFH 3/8C - 3.15	.375	.945	1.260	3.150	1.713	M8x1.0mm
<a href="#">VK030J</a>		CAT40 AD/B - SFH 3/8C - 6.30	.375	.945	1.260	6.300	1.673	M8x1.0mm
<a href="#">VK032J</a>		CAT40 AD/B - SFH 1/2C - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm
<a href="#">VK034J</a>		CAT40 AD/B - SFH 1/2C - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
<a href="#">VK036J</a>		CAT40 AD/B - SFH 5/8C - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
<a href="#">VK038J</a>		CAT40 AD/B - SFH 5/8C - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
<a href="#">VK040J</a>		CAT40 AD/B - SFH 3/4C - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
<a href="#">VK042J</a>		CAT40 AD/B - SFH 3/4C - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
<a href="#">VK044J</a>		CAT40 AD/B - SFH 1.0C - 3.94	1.000	1.732	2.087	3.940	2.362	M16x1.0mm
<a href="#">VK046J</a>		CAT40 AD/B - SFH 1.0C - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
<a href="#">VK048J</a>		CAT40 AD/B - SFH 1 1/4C - 3.94	1.250	1.732	2.087	3.940	2.362	M16x1.0mm
<a href="#">VK050J</a>		CAT40 AD/B - SFH 1 1/4C - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Adapter

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

Stub Arbor

Slitting Saw Arbor

Pull Stud & Tool Clamp

TECHNICAL INFORMATION

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Adapter

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

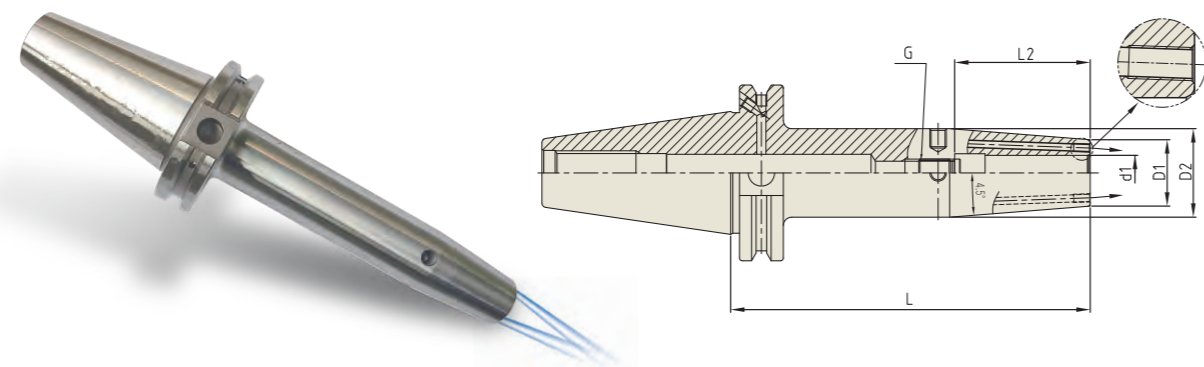
Stub Arbor

Slitting Saw Arbor

Pull Stud & Tool Clamp

TECHNICAL INFORMATION

**SHRINK FIT HOLDER (Coolant Channel Resealable)**



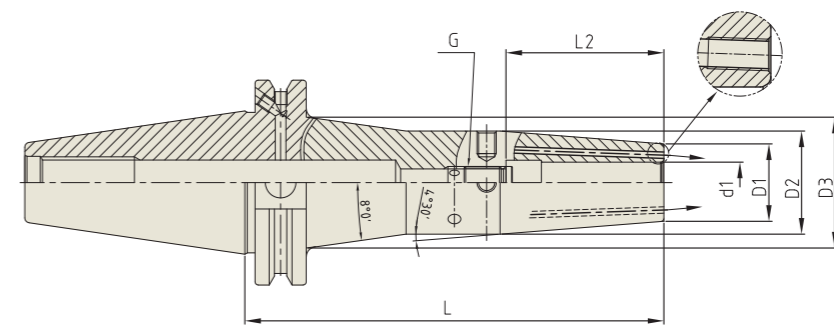
**ASME B5.50-2009-CAT (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">VK221JR</a>	40	CAT40 AD/B - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x.8mm
<a href="#">VK222JR</a>		CAT40 AD/B - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm
<a href="#">VK219JR</a>		CAT40 AD/B - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm
<a href="#">VK223JR</a>		CAT40 AD/B - SFH 7/16CR - 5.12	.438	.945	1.260	5.120	1.929	M10x1.0mm
<a href="#">VK220JR</a>		CAT40 AD/B - SFH 1/2CR - 5.12	.500	.945	1.260	5.120	1.929	M10x1.0mm
<a href="#">VK224JR</a>		CAT40 AD/B - SFH 5/8CR - 5.12	.625	1.063	1.339	5.120	2.047	M12x1.0mm
<a href="#">VK225JR</a>		CAT40 AD/B - SFH 3/4CR - 5.12	.750	1.299	1.654	5.120	2.126	M16x1.0mm
<a href="#">VK226JR</a>		CAT40 AD/B - SFH 1.0CR - 5.12	1.000	1.732	2.087	5.120	2.362	M16x1.0mm

\* Resealable type (Thread for plugging screw & screws)

**SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**



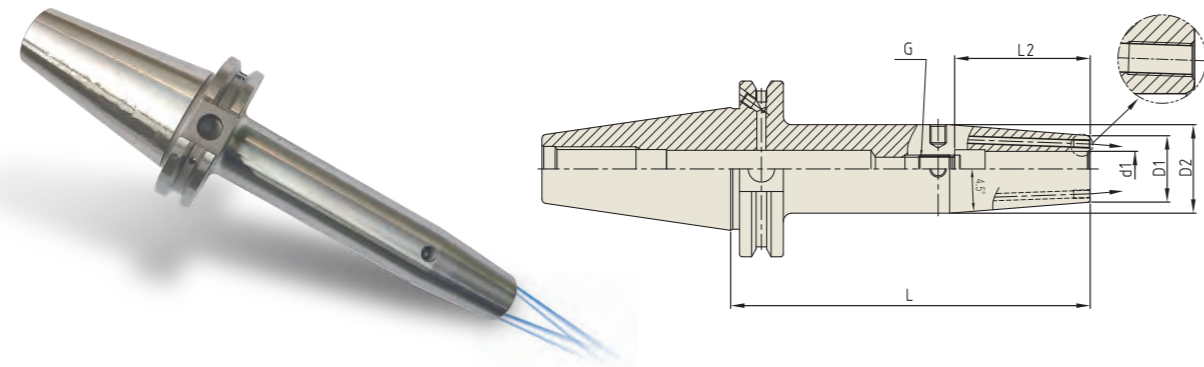
**ASME B5.50-2009-CAT (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G
<a href="#">VK221JTW</a>	40	CAT40 AD/B - SFH 1/4C TW - 5.12	.250	.827	1.063	1.406	5.120	1.417	M5x0.8mm
<a href="#">VK026JTW</a>		CAT40 AD/B - SFH 1/4C TW - 6.30	.250	.827	1.063	1.661	6.300	1.417	M5x0.8mm
<a href="#">VK222JTW</a>		CAT40 AD/B - SFH 5/16C TW - 5.12	.313	.827	1.063	1.406	5.120	1.417	M6x1.0mm
<a href="#">VK060JTW</a>		CAT40 AD/B - SFH 5/16C TW - 6.30	.313	.827	1.063	1.661	6.300	1.417	M6x1.0mm
<a href="#">VK219JTW</a>		CAT40 AD/B - SFH 3/8C TW - 5.12	.375	.945	1.260	1.602	5.120	1.673	M8x1.0mm
<a href="#">VK030JTW</a>		CAT40 AD/B - SFH 3/8C TW - 6.30	.375	.945	1.260	1.750	6.300	1.673	M8x1.0mm
<a href="#">VK223JTW</a>		CAT40 AD/B - SFH 7/16C TW - 5.12	.375	.945	1.260	1.602	5.120	1.929	M10x1.0mm
<a href="#">VK062JTW</a>		CAT40 AD/B - SFH 7/16C TW - 6.30	.438	.945	1.260	1.732	6.300	1.929	M10x1.0mm
<a href="#">VK220JTW</a>		CAT40 AD/B - SFH 1/2C TW - 5.12	.500	.945	1.260	1.602	5.120	1.929	M10x1.0mm
<a href="#">VK034JTW</a>		CAT40 AD/B - SFH 1/2C TW - 6.30	.500	.945	1.260	1.732	6.300	1.929	M10x1.0mm
<a href="#">VK224JTW</a>		CAT40 AD/B - SFH 5/8C TW - 5.12	.625	1.063	1.339	1.681	6.300	2.047	M12x1.0mm
<a href="#">VK038JTW</a>		CAT40 AD/B - SFH 5/8C TW - 6.30	.625	1.063	1.339	1.732	6.300	2.047	M12x1.0mm

\* Resealable type (Thread for plugging screw & screws)

**SHRINK FIT HOLDER (Coolant Channel Resealable)**



**ASME B5.50-2009-CAT (Metric)**

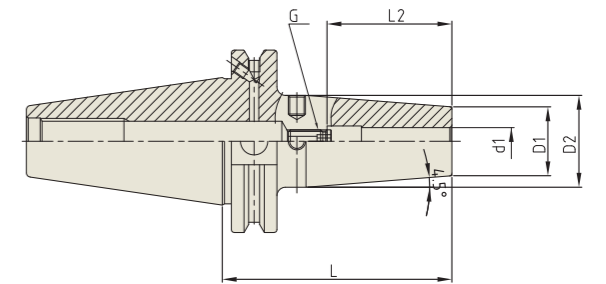
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VK123J	40	CAT40 AD/B - SFH 3C - 80 *1	3	12	17	80	10	-
VK124J		CAT40 AD/B - SFH 4C - 80 *1	4	12	17	80	12	-
VK125J		CAT40 AD/B - SFH 5C - 80 *1	5	12	17	80	15	-
VK110JR		CAT40 AD/B - SFH 6CR - 80	6	21	27	80	36	M5x0.8
VK101JR		CAT40 AD/B - SFH 6CR - 130	6	21	27	130	36	M5x0.8
VK111JR		CAT40 AD/B - SFH 6CR - 160	6	21	27	160	36	M5x0.8
VK112JR		CAT40 AD/B - SFH 8CR - 80	8	21	27	80	36	M6x1.0
VK102JR		CAT40 AD/B - SFH 8CR - 130	8	21	27	130	36	M6x1.0
VK113JR		CAT40 AD/B - SFH 8CR - 160	8	21	27	160	36	M6x1.0
VK114JR		CAT40 AD/B - SFH 10CR - 80	10	24	32	80	42.5	M8x1.0
VK103JR		CAT40 AD/B - SFH 10CR - 130	10	24	32	130	42.5	M8x1.0
VK115JR		CAT40 AD/B - SFH 10CR - 160	10	24	32	160	42.5	M8x1.0
VK116JR		CAT40 AD/B - SFH 12CR - 80	12	24	32	80	48	M10x1.0
VK104JR		CAT40 AD/B - SFH 12CR - 130	12	24	32	130	48	M10x1.0
VK117JR		CAT40 AD/B - SFH 12CR - 160	12	24	32	160	48	M10x1.0
VK118JR		CAT40 AD/B - SFH 14CR - 80	14	24	32	80	48	M10x1.0
VK105JR		CAT40 AD/B - SFH 14CR - 130	14	24	32	130	48	M10x1.0
VK119JR		CAT40 AD/B - SFH 14CR - 160	14	24	32	160	48	M10x1.0
VK120JR		CAT40 AD/B - SFH 16CR - 80	16	27	34	80	51	M12x1.0
VK106JR		CAT40 AD/B - SFH 16CR - 130	16	27	34	130	51	M12x1.0
VK121JR		CAT40 AD/B - SFH 16CR - 160	16	27	34	160	51	M12x1.0
VK122JR		CAT40 AD/B - SFH 18CR - 80	18	33	42	80	51	M12x1.0
VK107JR		CAT40 AD/B - SFH 18CR - 130	18	33	42	130	51	M12x1.0
VK123JR		CAT40 AD/B - SFH 18CR - 160	18	33	42	160	51	M12x1.0
VK124JR		CAT40 AD/B - SFH 20CR - 80	20	33	42	80	53	M16x1.0
VK108JR	CAT40 AD/B - SFH 20CR - 130	20	33	42	130	53	M16x1.0	
VK125JR	CAT40 AD/B - SFH 20CR - 160	20	33	42	160	53	M16x1.0	
VK126JR	CAT40 AD/B - SFH 25CR - 100	25	44	53	100	59	M16x1.0	
VK109JR	CAT40 AD/B - SFH 25CR - 130	25	44	53	130	59	M16x1.0	
VK127JR	CAT40 AD/B - SFH 25CR - 160	25	44	53	160	59	M16x1.0	

\* Resealable type (Thread for plugging screw & screws)

\*1 Resealable type is not available.

**SHRINK FIT HOLDER**



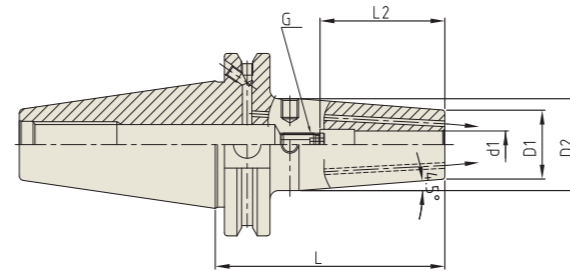
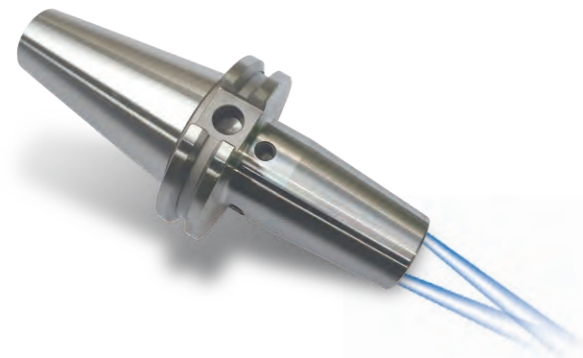
**ASME B5.50-2009-CAT (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VL020	50	CAT50 AD/B - SFH 1/8 - 3.15	.125	.394	.748	3.150	.354	-
VL225		CAT50 AD/B - SFH 1/8 - 5.12	.125	.394	.748	5.120	.354	-
VL022		CAT50 AD/B - SFH 3/16 - 3.15	.188	.394	.748	3.150	.472	-
VL226		CAT50 AD/B - SFH 3/16 - 5.12	.188	.394	.748	5.120	.472	-
VL024		CAT50 AD/B - SFH 1/4 - 3.15	.250	.827	1.063	3.150	1.417	M5x.8mm
VL026		CAT50 AD/B - SFH 1/4 - 6.30	.250	.827	1.063	6.300	1.417	M5x.8mm
VL028		CAT50 AD/B - SFH 3/8 - 3.15	.375	.945	1.260	3.150	1.634	M8x1.0mm
VL030		CAT50 AD/B - SFH 3/8 - 6.30	.375	.945	1.260	6.300	1.634	M8x1.0mm
VL032		CAT50 AD/B - SFH 1/2 - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm
VL034		CAT50 AD/B - SFH 1/2 - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
VL036		CAT50 AD/B - SFH 5/8 - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
VL038		CAT50 AD/B - SFH 5/8 - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
VL040		CAT50 AD/B - SFH 3/4 - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
VL042		CAT50 AD/B - SFH 3/4 - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
VL044		CAT50 AD/B - SFH 1.0 - 3.94	1.000	1.732	2.087	3.937	2.323	M16x1.0mm
VL046		CAT50 AD/B - SFH 1.0 - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
VL048		CAT50 AD/B - SFH 1 1/4 - 3.94	1.250	1.732	2.087	3.937	2.362	M16x1.0mm
VL050		CAT50 AD/B - SFH 1 1/4 - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm



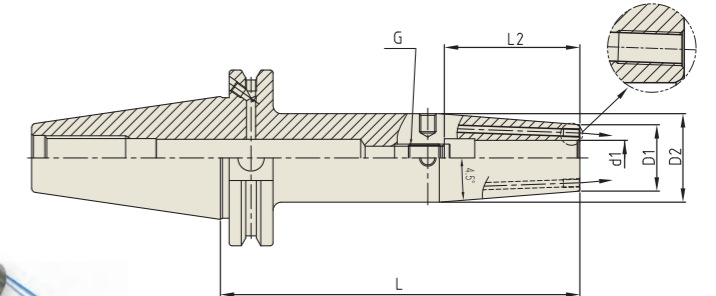
**SHRINK FIT HOLDER (Coolant Channel)**



**ASME B5.50-2009-CAT (Inch)**

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VL024J	50	CAT50 AD/B - SFH 1/4C - 3.15	.250	.472	.827	3.150	.591	M5x0.8mm
VL025J		CAT50 AD/B - SFH 1/4C - 5.12	.250	.472	.827	5.120	.591	M5x0.8mm
VL064J		CAT50 AD/B - SFH 1/4C - 6.30	.250	.472	.827	6.300	.591	M5x0.8mm
VL028J		CAT50 AD/B - SFH 3/8C - 3.15	.375	.945	1.260	3.150	1.634	M8x1.0mm
VL030J		CAT50 AD/B - SFH 3/8C - 6.30	.375	.945	1.260	6.300	1.673	M8x1.0mm
VL032J		CAT50 AD/B - SFH 1/2C - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm
VL201J		CAT50 AD/B - SFH 1/2C - 5.12	.500	.945	1.260	5.120	1.929	M10x1.0mm
VL034J		CAT50 AD/B - SFH 1/2C - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
VL036J		CAT50 AD/B - SFH 5/8C - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
VL038J		CAT50 AD/B - SFH 5/8C - 6.3	.625	1.063	1.339	6.300	2.047	M12x1.0mm
VL040J		CAT50 AD/B - SFH 3/4C - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
VL202J		CAT50 AD/B - SFH 3/4C - 5.12	.750	1.299	1.654	5.120	2.126	M16x1.0mm
VL042J		CAT50 AD/B - SFH 3/4C - 6.3	.750	1.299	1.654	6.300	2.126	M16x1.0mm
VL044J		CAT50 AD/B - SFH 1.0C - 3.94	1.000	1.732	2.087	3.940	2.362	M16x1.0mm
VL046J		CAT50 AD/B - SFH 1.0C - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
VL048J		CAT50 AD/B - SFH 1 1/4C - 3.94	1.250	1.732	2.087	3.940	2.362	M16x1.0mm
VL050J		CAT50 AD/B - SFH 1 1/4C - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm

**SHRINK FIT HOLDER (Coolant Channel Resealable)**

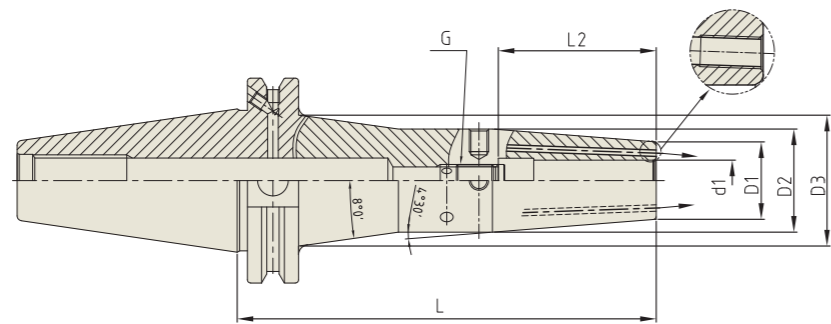


**ASME B5.50-2009-CAT (Inch)**

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VL025JR	50	CAT50 AD/B - SFH 1/4CR - 5.12	0.250	0.827	1.063	5.120	1.417	M5x0.8mm
VL203JR		CAT50 AD/B - SFH 5/16CR - 5.12	0.313	0.827	1.063	5.120	1.417	M6x1.0mm
VL026JR		CAT50 AD/B - SFH 3/8CR - 5.12	0.375	0.945	1.260	5.120	1.713	M8x1.0mm
VL204JR		CAT50 AD/B - SFH 7/16CR - 5.12	0.438	0.945	1.260	5.120	1.929	M10x1.0mm
VL201JR		CAT50 AD/B - SFH 1/2CR - 5.12	0.500	0.945	1.260	5.120	1.929	M10x1.0mm
VL205JR		CAT50 AD/B - SFH 5/8CR - 5.12	0.625	1.063	1.339	5.120	2.047	M12x1.0mm
VL202JR		CAT50 AD/B - SFH 3/4CR - 5.12	0.750	1.299	1.654	5.120	2.126	M16x1.0mm
VL206JR		CAT50 AD/B - SFH 1.0CR - 5.12	1.000	1.732	2.087	5.120	2.362	M16x1.0mm
VL207JR		CAT50 AD/B - SFH 1 1/4CR - 5.12	1.250	1.732	2.087	5.120	2.362	M16x1.0mm

\* Resealable type (Thread for plugging screw & screws)

**SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**



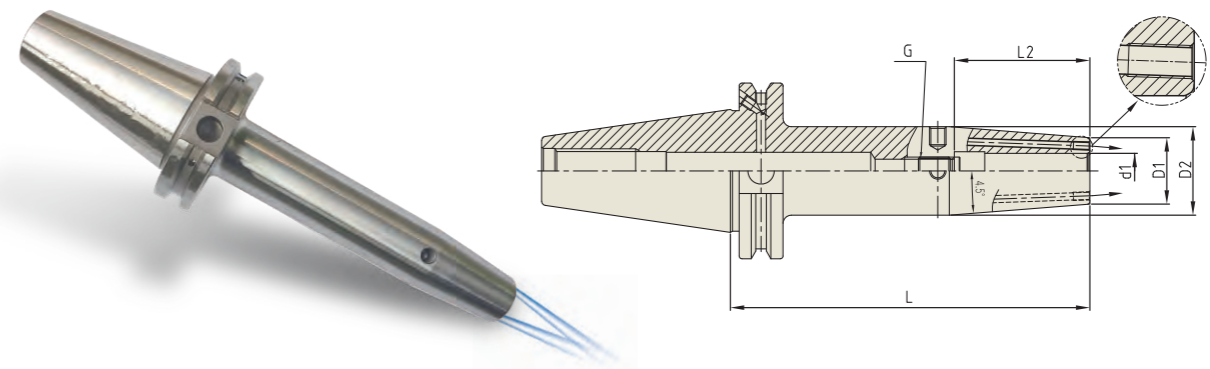
**ASME B5.50-2009-CAT (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G
VL025JTW	50	CAT50 AD/B - SFH 1/4C TW - 5.12	.250	.827	1.063	1.406	5.120	1.417	M5x.8mm
VL026JTW		CAT50 AD/B - SFH 1/4C TW - 6.30	.250	.827	1.063	1.732	6.300	1.417	M5x.8mm
VL203JTW		CAT50 AD/B - SFH 5/16C TW - 5.12	.313	.827	1.063	1.406	5.120	1.417	M6x1.0mm
VL060JTW		CAT50 AD/B - SFH 5/16C TW - 6.30	.313	.827	1.063	1.732	6.300	1.417	M6x1.0mm
VL227JTW		CAT50 AD/B - SFH 3/8C TW - 5.12	.375	.945	1.260	1.602	5.120	1.673	M8x1.0mm
VL030JTW		CAT50 AD/B - SFH 3/8C TW - 6.30	.375	.945	1.260	1.933	6.300	1.673	M8x1.0mm
VL204JTW		CAT50 AD/B - SFH 7/16C TW - 5.12	.438	.945	1.260	1.602	5.120	1.929	M10x1.0mm
VL062JTW		CAT50 AD/B - SFH 7/16C TW - 6.30	.438	.945	1.260	1.933	6.300	1.929	M10x1.0mm
VL201JTW		CAT50 AD/B - SFH 1/2C TW - 5.12	.500	.945	1.260	1.602	5.120	1.929	M10x1.0mm
VL034JTW		CAT50 AD/B - SFH 1/2C TW - 6.30	.500	.945	1.260	1.933	6.300	1.929	M10x1.0mm
VL205JTW		CAT50 AD/B - SFH 5/8C TW - 5.12	.625	1.063	1.339	1.681	5.120	2.047	M12x1.0mm
VL038JTW		CAT50 AD/B - SFH 5/8C TW - 6.30	.625	1.063	1.339	2.013	6.300	2.047	M12x1.0mm
VL202JTW		CAT50 AD/B - SFH 3/4C TW - 5.12	.750	1.299	1.654	1.996	5.120	2.126	M16x1.0mm
VL042JTW		CAT50 AD/B - SFH 3/4C TW - 6.30	.750	1.299	1.654	2.328	6.300	2.126	M16x1.0mm

\* Resealable type (Thread for plugging screw & screws)

**SHRINK FIT HOLDER (Coolant Channel Resealable)**



**ASME B5.50-2009-CAT (Metric)**

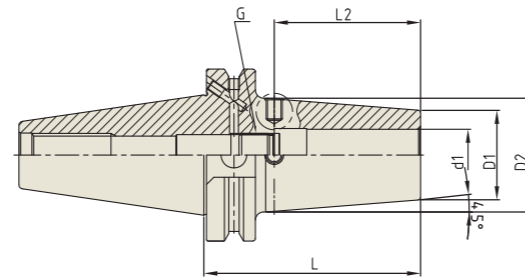
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VL128J	50	CAT50 AD/B - SFH 3C - 80 *1	3	12	17	80	10	-
VL129J		CAT50 AD/B - SFH 4C - 80 *1	4	12	17	80	12	-
VL130J		CAT50 AD/B - SFH 5C - 80 *1	5	12	17	80	15	-
VL111JR		CAT50 AD/B - SFH 6CR - 80	6	21	27	80	36	M5x0.8
VL101JR		CAT50 AD/B - SFH 6CR - 130	6	21	27	130	36	M5x0.8
VL112JR		CAT50 AD/B - SFH 6CR - 160	6	21	27	160	36	M5x0.8
VL113JR		CAT50 AD/B - SFH 8CR - 80	8	21	27	80	36	M6x1.0
VL102JR		CAT50 AD/B - SFH 8CR - 130	8	21	27	130	36	M6x1.0
VL114JR		CAT50 AD/B - SFH 8CR - 160	8	21	27	160	36	M6x1.0
VL115JR		CAT50 AD/B - SFH 10CR - 80	10	24	32	80	42.5	M8x1.0
VL103JR		CAT50 AD/B - SFH 10CR - 130	10	24	32	130	42.5	M8x1.0
VL116JR		CAT50 AD/B - SFH 10CR - 160	10	24	32	160	42.5	M8x1.0
VL117JR		CAT50 AD/B - SFH 12CR - 80	12	24	32	80	48	M10x1.0
VL104JR		CAT50 AD/B - SFH 12CR - 130	12	24	32	130	48	M10x1.0
VL118JR		CAT50 AD/B - SFH 12CR - 160	12	24	32	160	48	M10x1.0
VL119JR		CAT50 AD/B - SFH 14CR - 80	14	24	32	80	48	M10x1.0
VL105JR		CAT50 AD/B - SFH 14CR - 130	14	24	32	130	48	M10x1.0
VL120JR		CAT50 AD/B - SFH 14CR - 160	14	24	32	160	48	M10x1.0
VL121JR		CAT50 AD/B - SFH 16CR - 80	16	27	34	80	51	M12x1.0
VL106JR		CAT50 AD/B - SFH 16CR - 130	16	27	34	130	51	M12x1.0
VL122JR		CAT50 AD/B - SFH 16CR - 160	16	27	34	160	51	M12x1.0
VL123JR		CAT50 AD/B - SFH 18CR - 80	18	33	42	80	51	M12x1.0
VL107JR		CAT50 AD/B - SFH 18CR - 130	18	33	42	130	51	M12x1.0
VL124JR		CAT50 AD/B - SFH 18CR - 160	18	33	42	160	51	M12x1.0
VL125JR		CAT50 AD/B - SFH 20CR - 80	20	33	42	80	53	M16x1.0
VL108JR		CAT50 AD/B - SFH 20CR - 130	20	33	42	130	53	M16x1.0
VL126JR		CAT50 AD/B - SFH 20CR - 160	20	33	42	160	53	M16x1.0
VL127JR		CAT50 AD/B - SFH 25CR - 100	25	44	53	100	59	M16x1.0
VL109JR		CAT50 AD/B - SFH 25CR - 130	25	44	53	130	59	M16x1.0
VL128JR		CAT50 AD/B - SFH 25CR - 160	25	44	53	160	59	M16x1.0
VL129JR		CAT50 AD/B - SFH 32CR - 100	32	44	53	100	63	M16x1.0
VL110JR		CAT50 AD/B - SFH 32CR - 130	32	44	53	130	63	M16x1.0
VL130JR	CAT50 AD/B - SFH 32CR - 160	32	44	53	160	63	M16x1.0	

\* Resealable type (Thread for plugging screw & screws)

\*1 Resealable type is not available.

DUAL CONTACT SHRINK FIT HOLDER

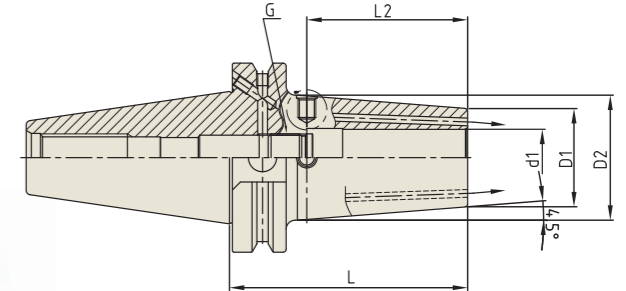


CCT (CAT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">VB020</a>	40	CCT40 AD/B - SFH 1/8 - 3.15	.125	.394	.748	3.150	0.354	-
<a href="#">VB201</a>		CCT40 AD/B - SFH 1/8 - 5.12	.125	.394	.748	5.120	0.354	-
<a href="#">VB022</a>		CCT40 AD/B - SFH 3/16 - 3.15	.188	.394	.748	3.150	0.472	-
<a href="#">VB202</a>		CCT40 AD/B - SFH 3/16 - 5.12	.188	.394	.748	5.120	0.472	-
<a href="#">VB024</a>		CCT40 AD/B - SFH 1/4 - 3.15	.250	.827	1.063	3.150	1.417	M5x0.8mm
<a href="#">VB026</a>		CCT40 AD/B - SFH 1/4 - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm
<a href="#">VB028</a>		CCT40 AD/B - SFH 3/8 - 3.15	.375	.945	1.260	3.150	1.713	M8x1.0mm
<a href="#">VB030</a>		CCT40 AD/B - SFH 3/8 - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm
<a href="#">VB032</a>		CCT40 AD/B - SFH 1/2 - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm
<a href="#">VB034</a>		CCT40 AD/B - SFH 1/2 - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
<a href="#">VB036</a>		CCT40 AD/B - SFH 5/8 - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
<a href="#">VB038</a>		CCT40 AD/B - SFH 5/8 - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
<a href="#">VB040</a>		CCT40 AD/B - SFH 3/4 - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
<a href="#">VB042</a>		CCT40 AD/B - SFH 3/4 - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
<a href="#">VB044</a>		CCT40 AD/B - SFH 1.0 - 3.94	1.000	1.732	2.087	3.937	2.362	M16x1.0mm
<a href="#">VB046</a>		CCT40 AD/B - SFH 1.0 - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
<a href="#">VB048</a>		CCT40 AD/B - SFH 1 1/4 - 3.94	1.250	1.732	2.087	3.937	2.362	M16x1.0mm
<a href="#">VB050</a>		CCT40 AD/B - SFH 1 1/4 - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Type)

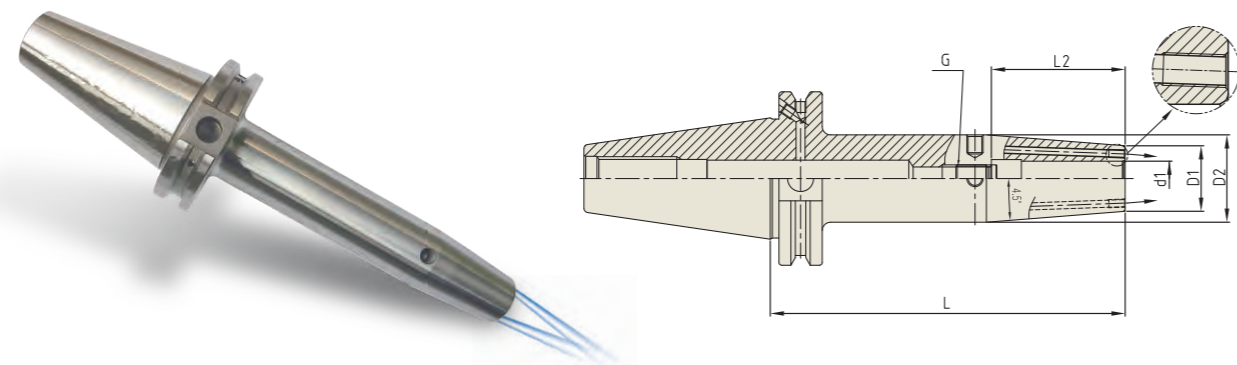


CCT (CAT DUAL CONTACT) (Inch)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">VB020J</a>	40	CCT40 AD/B - SFH 1/8C - 3.15	.125	.472	.827	3.150	0.394	-
<a href="#">VB022J</a>		CCT40 AD/B - SFH 3/16C - 3.15	.188	.472	.827	3.150	0.472	-
<a href="#">VB024J</a>		CCT40 AD/B - SFH 1/4C - 3.15	.250	.827	1.063	3.150	1.417	M5x0.8mm
<a href="#">VB026J</a>		CCT40 AD/B - SFH 1/4C - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm
<a href="#">VB028J</a>		CCT40 AD/B - SFH 3/8C - 3.15	.375	.945	1.260	3.150	1.713	M8x1.0mm
<a href="#">VB030J</a>		CCT40 AD/B - SFH 3/8C - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm
<a href="#">VB032J</a>		CCT40 AD/B - SFH 1/2C - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm
<a href="#">VB034J</a>		CCT40 AD/B - SFH 1/2C - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
<a href="#">VB036J</a>		CCT40 AD/B - SFH 5/8C - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
<a href="#">VB038J</a>		CCT40 AD/B - SFH 5/8C - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
<a href="#">VB040J</a>		CCT40 AD/B - SFH 3/4C - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
<a href="#">VB042J</a>		CCT40 AD/B - SFH 3/4C - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
<a href="#">VB044J</a>		CCT40 AD/B - SFH 1.0C - 3.94	1.000	1.732	2.087	3.940	2.362	M16x1.0mm
<a href="#">VB046J</a>		CCT40 AD/B - SFH 1.0C - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
<a href="#">VB048J</a>		CCT40 AD/B - SFH 1 1/4C - 3.94	1.250	1.732	2.087	3.940	2.362	M16x1.0mm
<a href="#">VB050J</a>		CCT40 AD/B - SFH 1 1/4C - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**

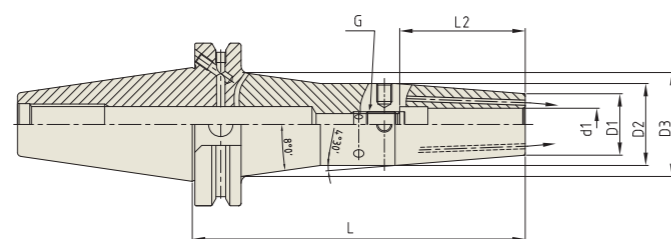


**CCT (CAT DUAL CONTACT) - (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">VB203JR</a>	40	CCT40 AD/B - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x0.8mm
<a href="#">VB204JR</a>		CCT40 AD/B - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm
<a href="#">VB205JR</a>		CCT40 AD/B - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm
<a href="#">VB206JR</a>		CCT40 AD/B - SFH 7/16CR - 5.12	.438	.945	1.260	5.120	1.929	M10x1.0mm
<a href="#">VB207JR</a>		CCT40 AD/B - SFH 1/2CR - 5.12	.500	.945	1.260	5.120	1.929	M10x1.0mm
<a href="#">VB208JR</a>		CCT40 AD/B - SFH 5/8CR - 5.12	.625	1.063	1.339	5.120	2.047	M12x1.0mm
<a href="#">VB209JR</a>		CCT40 AD/B - SFH 3/4CR - 5.12	.750	1.299	1.654	5.120	2.126	M16x1.0mm
<a href="#">VB210JR</a>		CCT40 AD/B - SFH 1CR - 5.12	1.000	1.732	2.087	5.120	2.362	M16x1.0mm

\* Resealable type (Thread for plugging screw & screws)



**CCT (CAT DUAL CONTACT) Coolant Channel & Thick Wall (Inch)**

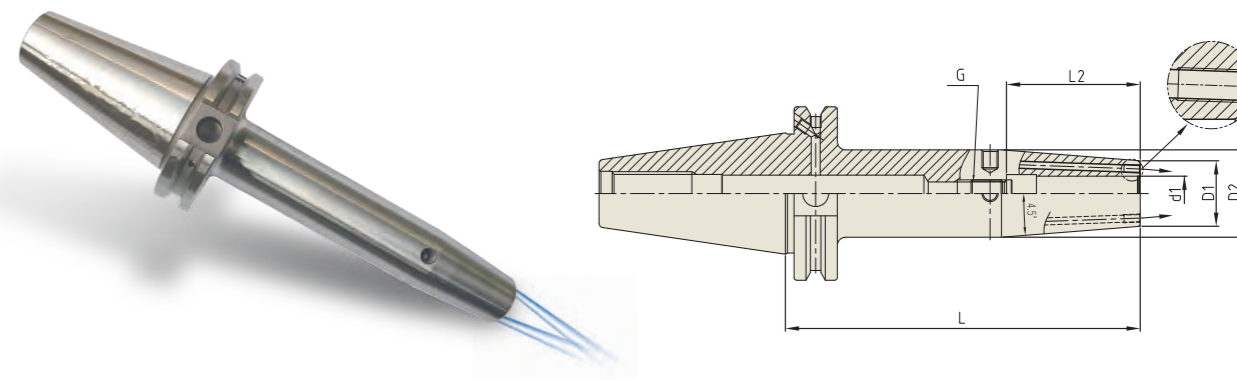


Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G
<a href="#">VB101JR</a>	40	CCT40 AD/B - SFH 1/4C TW - 6.30	.250	.827	1.063	1.661	6.300	1.417	M5x0.8mm
<a href="#">VB102JR</a>		CCT40 AD/B - SFH 5/16C TW - 6.30	.313	.827	1.063	1.661	6.300	1.417	M6x1.0mm
<a href="#">VB103JR</a>		CCT40 AD/B - SFH 3/8C TW - 6.30	.375	.945	1.260	1.750	6.300	1.673	M8x1.0mm
<a href="#">VB104JR</a>		CCT40 AD/B - SFH 7/16C TW - 6.30	.438	.945	1.260	1.732	6.300	1.929	M10x1.0mm
<a href="#">VB105JR</a>		CCT40 AD/B - SFH 1/2C TW - 6.30	.500	.945	1.260	1.732	6.300	1.929	M10x1.0mm
<a href="#">VB106JR</a>		CCT40 AD/B - SFH 5/8C TW - 6.30	.625	1.063	1.339	1.732	6.300	2.047	M12x1.0mm

\* Resealable type available. (Thread for plugging screw & screws)

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**



**CCT (CAT DUAL CONTACT) - (Metric)**

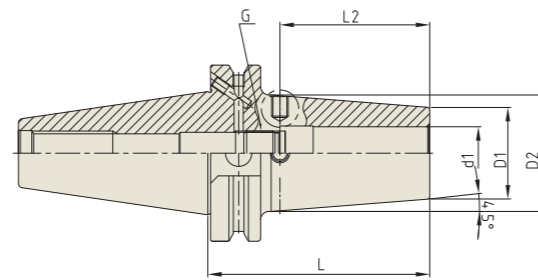
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">VB101J</a>	40	CCT40 AD/B - SFH 3C - 80 *1	3	12	17	80	10	-
<a href="#">VB102J</a>		CCT40 AD/B - SFH 4C - 80 *1	4	12	17	80	12	-
<a href="#">VB103J</a>		CCT40 AD/B - SFH 5C - 80 *1	5	12	17	80	15	-
<a href="#">VB110JR</a>		CCT40 AD/B - SFH 6CR - 80	6	21	27	80	36	M5x0.8
<a href="#">VB101JR</a>		CCT40 AD/B - SFH 6CR - 130	6	21	27	130	36	M5x0.8
<a href="#">VB111JR</a>		CCT40 AD/B - SFH 6CR - 160	6	21	27	160	36	M5x0.8
<a href="#">VB112JR</a>		CCT40 AD/B - SFH 8CR - 80	8	21	27	80	36	M6x1.0
<a href="#">VB102JR</a>		CCT40 AD/B - SFH 8CR - 130	8	21	27	130	36	M6x1.0
<a href="#">VB113JR</a>		CCT40 AD/B - SFH 8CR - 160	8	21	27	160	36	M6x1.0
<a href="#">VB114JR</a>		CCT40 AD/B - SFH 10CR - 80	10	24	32	80	42.5	M8x1.0
<a href="#">VB103JR</a>		CCT40 AD/B - SFH 10CR - 130	10	24	32	130	42.5	M8x1.0
<a href="#">VB115JR</a>		CCT40 AD/B - SFH 10CR - 160	10	24	32	160	42.5	M8x1.0
<a href="#">VB116JR</a>		CCT40 AD/B - SFH 12CR - 80	12	24	32	80	48	M10x1.0
<a href="#">VB104JR</a>		CCT40 AD/B - SFH 12CR - 130	12	24	32	130	48	M10x1.0
<a href="#">VB117JR</a>		CCT40 AD/B - SFH 12CR - 160	12	24	32	160	48	M10x1.0
<a href="#">VB118JR</a>		CCT40 AD/B - SFH 14CR - 80	14	24	32	80	48	M10x1.0
<a href="#">VB105JR</a>		CCT40 AD/B - SFH 14CR - 130	14	24	32	130	48	M10x1.0
<a href="#">VB119JR</a>		CCT40 AD/B - SFH 14CR - 160	14	24	32	160	48	M10x1.0
<a href="#">VB120JR</a>		CCT40 AD/B - SFH 16CR - 80	16	27	34	80	51	M12x1.0
<a href="#">VB106JR</a>		CCT40 AD/B - SFH 16CR - 130	16	27	34	130	51	M12x1.0
<a href="#">VB121JR</a>		CCT40 AD/B - SFH 16CR - 160	16	27	34	160	51	M12x1.0
<a href="#">VB122JR</a>		CCT40 AD/B - SFH 18CR - 80	18	33	42	80	51	M12x1.0
<a href="#">VB107JR</a>		CCT40 AD/B - SFH 18CR - 130	18	33	42	130	51	M12x1.0
<a href="#">VB123JR</a>		CCT40 AD/B - SFH 18CR - 160	18	33	42	160	51	M12x1.0
<a href="#">VB124JR</a>		CCT40 AD/B - SFH 20CR - 80	20	33	42	80	53	M16x1.0
<a href="#">VB108JR</a>		CCT40 AD/B - SFH 20CR - 130	20	33	42	130	53	M16x1.0
<a href="#">VB125JR</a>		CCT40 AD/B - SFH 20CR - 160	20	33	42	160	53	M16x1.0
<a href="#">VB126JR</a>		CCT40 AD/B - SFH 25CR - 100	25	44	53	100	59	M16x1.0
<a href="#">VB109JR</a>		CCT40 AD/B - SFH 25CR - 130	25	44	53	130	59	M16x1.0
<a href="#">VB127JR</a>		CCT40 AD/B - SFH 25CR - 160	25	44	53	160	59	M16x1.0

\* Resealable type (Thread for plugging screw & screws)

\*1 Resealable type is not available.

**DUAL CONTACT SHRINK FIT HOLDER**



**CCT (CAT DUAL CONTACT)**

Unit : inch

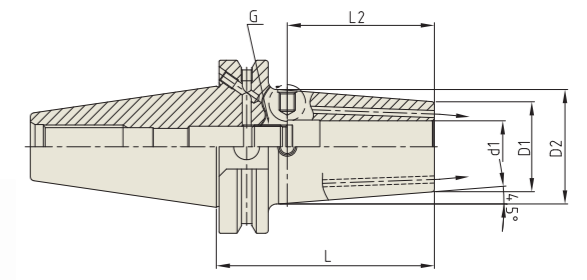
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">VC020</a>	50	CCT50 AD/B - SFH 1/8 - 3.15	.125	.394	.748	3.150	0.354	-
<a href="#">VC022</a>		CCT50 AD/B - SFH 3/16 - 3.15	.188	.394	.748	3.150	0.472	-
<a href="#">VC024</a>		CCT50 AD/B - SFH 1/4 - 3.15	.250	.827	1.063	3.150	1.417	M5x0.8mm
<a href="#">VC026</a>		CCT50 AD/B - SFH 1/4 - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm
<a href="#">VC028</a>		CCT50 AD/B - SFH 3/8 - 3.15	.375	.945	1.260	3.150	1.634	M8x1.0mm
<a href="#">VC030</a>		CCT50 AD/B - SFH 3/8 - 6.30	.375	.945	1.260	6.300	1.634	M8x1.0mm
<a href="#">VC032</a>		CCT50 AD/B - SFH 1/2 - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm
<a href="#">VC034</a>		CCT50 AD/B - SFH 1/2 - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
<a href="#">VC036</a>		CCT50 AD/B - SFH 5/8 - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
<a href="#">VC040</a>		CCT50 AD/B - SFH 5/8 - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
<a href="#">VC042</a>		CCT50 AD/B - SFH 3/4 - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
<a href="#">VC044</a>		CCT50 AD/B - SFH 3/4 - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
<a href="#">VC046</a>		CCT50 AD/B - SFH 1.0 - 3.94	1.000	1.732	2.087	3.937	2.362	M16x1.0mm
<a href="#">VC048</a>		CCT50 AD/B - SFH 1.0 - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
<a href="#">VC050</a>		CCT50 AD/B - SFH 1 1/4 - 3.94	1.250	1.732	2.087	3.937	2.362	M16x1.0mm
<a href="#">VC052</a>		CCT50 AD/B - SFH 1 1/4 - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm

**CCT (CAT DUAL CONTACT) (Metric)**

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">VB105</a>	40	CCT40 AD/B - SFH 3 - 130	3	10	15	130	9	-
<a href="#">VB106</a>		CCT40 AD/B - SFH 4 - 130	4	11	15	130	12	-

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Type)**

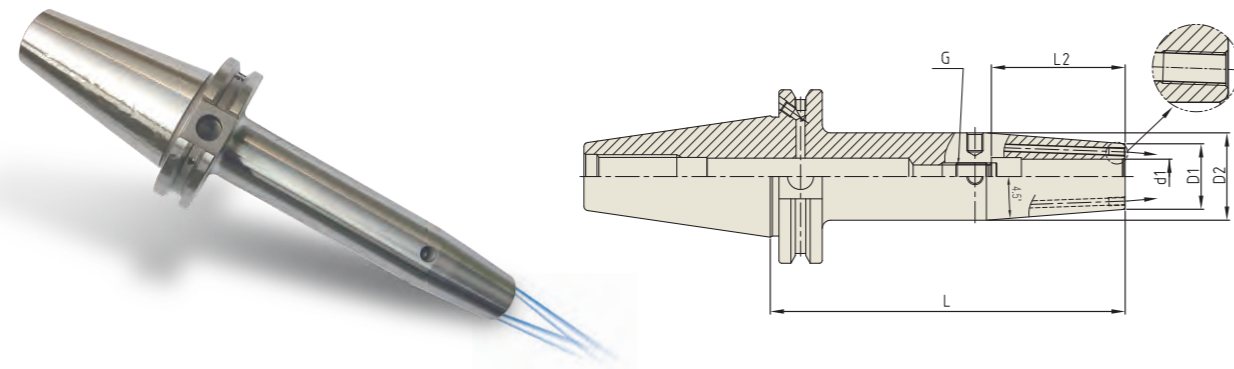


**CCT (CAT DUAL CONTACT) (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
<a href="#">VC024J</a>	40	CCT50 AD/B - SFH 1/4C - 3.15	.250	.827	1.063	3.150	1.417	M5x0.8mm
<a href="#">VC026J</a>		CCT50 AD/B - SFH 1/4C - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm
<a href="#">VC028J</a>		CCT50 AD/B - SFH 3/8C - 3.15	.375	.945	1.260	3.150	1.634	M8x1.0mm
<a href="#">VC030J</a>		CCT50 AD/B - SFH 3/8C - 6.30	.375	.945	1.260	6.300	1.634	M8x1.0mm
<a href="#">VC032J</a>		CCT50 AD/B - SFH 1/2C - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm
<a href="#">VC034J</a>		CCT50 AD/B - SFH 1/2C - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
<a href="#">VC036J</a>		CCT50 AD/B - SFH 5/8C - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
<a href="#">VC040J</a>		CCT50 AD/B - SFH 5/8C - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
<a href="#">VC042J</a>		CCT50 AD/B - SFH 3/4C - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
<a href="#">VC044J</a>		CCT50 AD/B - SFH 3/4C - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
<a href="#">VC046J</a>		CCT50 AD/B - SFH 1.0C - 3.94	1.000	1.732	2.087	3.940	2.362	M16x1.0mm
<a href="#">VC048J</a>		CCT50 AD/B - SFH 1.0C - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
<a href="#">VC050J</a>		CCT50 AD/B - SFH 1 1/4C - 3.94	1.250	1.732	2.087	3.940	2.362	M16x1.0mm
<a href="#">VC052J</a>		CCT50 AD/B - SFH 1 1/4C - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**

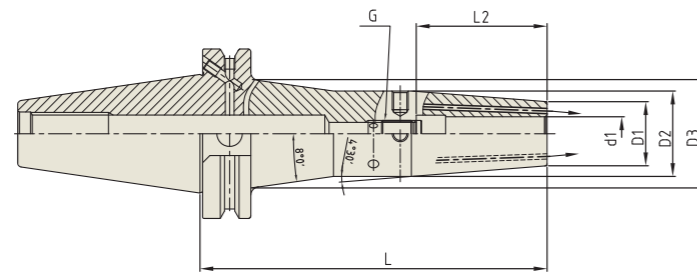


**CCT (CAT DUAL CONTACT) - (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VC102JR	50	CCT50 AD/B - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x0.8mm
VC108JR		CCT50 AD/B - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm
VC103JR		CCT50 AD/B - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm
VC109JR		CCT50 AD/B - SFH 7/16CR - 5.12	.438	.945	1.260	5.120	1.929	M10x1.0mm
VC104JR		CCT50 AD/B - SFH 1/2CR - 5.12	.500	.945	1.260	5.120	1.929	M10x1.0mm
VC105JR		CCT50 AD/B - SFH 5/8CR - 5.12	.625	1.063	1.339	5.120	2.047	M12x1.0mm
VC106JR		CCT50 AD/B - SFH 3/4CR - 5.12	.750	1.299	1.654	5.120	2.126	M16x1.0mm
VC107JR		CCT50 AD/B - SFH 1CR - 5.12	1.000	1.732	2.087	5.120	2.362	M16x1.0mm

\* Resealable type (Thread for plugging screw & screws)



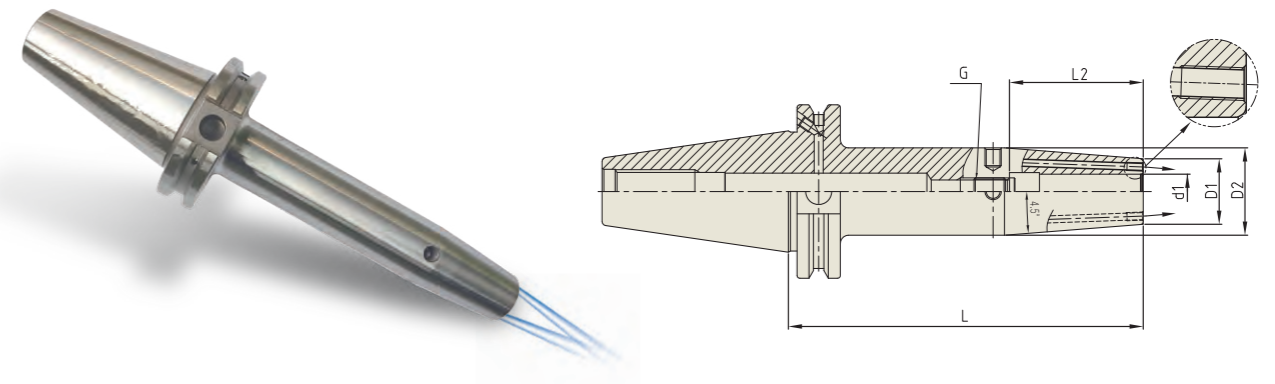
**CCT (CAT DUAL CONTACT) Coolant Channel & Thick Wall (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G
VC026JTW	40	CCT50 AD/B - SFH 1/4C TW - 6.30	.250	.827	1.063	1.732	6.300	1.417	M5x0.8mm
VC120JTW		CCT50 AD/B - SFH 5/16C TW - 6.30	.313	.827	1.063	1.732	6.300	1.417	M6x1.0mm
VC030JTW		CCT50 AD/B - SFH 3/8C TW - 6.30	.375	.945	1.260	1.933	6.300	1.673	M8x1.0mm
VC121JTW		CCT50 AD/B - SFH 7/16C TW - 6.30	.438	.945	1.260	1.933	6.300	1.929	M10x1.0mm
VC034JTW		CCT50 AD/B - SFH 1/2C TW - 6.30	.500	.945	1.260	1.933	6.300	1.929	M10x1.0mm
VC040JTW		CCT50 AD/B - SFH 5/8C TW - 6.30	.625	1.063	1.339	2.000	6.300	2.047	M12x1.0mm
VC044JTW		CCT50 AD/B - SFH 3/4C TW - 6.30	.750	1.299	1.654	2.000	6.300	2.126	M16x1.0mm

\* Resealable type available. (Thread for plugging screw & screws)

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**



**CCT (CAT DUAL CONTACT) - (Metric)**

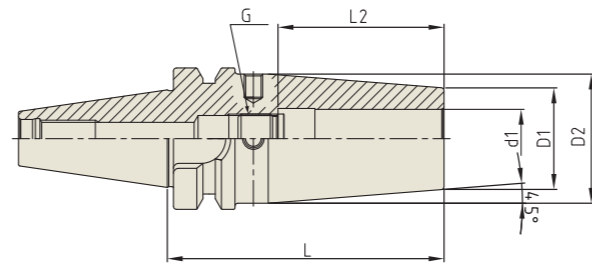
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VC200J	40	CCT50 AD/B - SFH 3C - 80 *1	3	12	17	80	10	-
VC201J		CCT50 AD/B - SFH 4C - 80 *1	4	12	17	80	12	-
VC202J		CCT50 AD/B - SFH 5C - 80 *1	5	12	17	80	15	-
VC209JR		CCT50 AD/B - SFH 6CR - 80	6	21	27	80	36	M5x0.8
VC200JR		CCT50 AD/B - SFH 6CR - 130	6	21	27	130	36	M5x0.8
VC210JR		CCT50 AD/B - SFH 6CR - 160	6	21	27	160	36	M5x0.8
VC211JR		CCT50 AD/B - SFH 8CR - 80	8	21	27	80	36	M6x1.0
VC201JR		CCT50 AD/B - SFH 8CR - 130	8	21	27	130	36	M6x1.0
VC212JR		CCT50 AD/B - SFH 8CR - 160	8	21	27	160	36	M6x1.0
VC213JR		CCT50 AD/B - SFH 10CR - 80	10	24	32	80	42.5	M8x1.0
VC202JR		CCT50 AD/B - SFH 10CR - 130	10	24	32	130	42.5	M8x1.0
VC214JR		CCT50 AD/B - SFH 10CR - 160	10	24	32	160	42.5	M8x1.0
VC215JR		CCT50 AD/B - SFH 12CR - 80	12	24	32	80	48	M10x1.0
VC203JR		CCT50 AD/B - SFH 12CR - 130	12	24	32	130	48	M10x1.0
VC216JR		CCT50 AD/B - SFH 12CR - 160	12	24	32	160	48	M10x1.0
VC217JR		CCT50 AD/B - SFH 14CR - 80	14	27	34	80	48	M10x1.0
VC204JR		CCT50 AD/B - SFH 14CR - 130	14	27	34	130	48	M10x1.0
VC218JR		CCT50 AD/B - SFH 14CR - 160	14	27	34	160	48	M10x1.0
VC219JR		CCT50 AD/B - SFH 16CR - 80	16	27	34	80	51	M12x1.0
VC205JR		CCT50 AD/B - SFH 16CR - 130	16	27	34	130	51	M12x1.0
VC220JR		CCT50 AD/B - SFH 16CR - 160	16	27	34	160	51	M12x1.0
VC221JR		CCT50 AD/B - SFH 18CR - 80	18	33	42	80	51	M12x1.0
VC206JR		CCT50 AD/B - SFH 18CR - 130	18	33	42	130	51	M12x1.0
VC222JR		CCT50 AD/B - SFH 18CR - 160	18	33	42	160	51	M12x1.0
VC223JR		CCT50 AD/B - SFH 20CR - 80	20	33	42	80	53	M16x1.0
VC207JR		CCT50 AD/B - SFH 20CR - 130	20	33	42	130	53	M16x1.0
VC224JR		CCT50 AD/B - SFH 20CR - 160	20	33	42	160	53	M16x1.0
VC225JR		CCT50 AD/B - SFH 25CR - 100	25	44	53	100	59	M16x1.0
VC208JR		CCT50 AD/B - SFH 25CR - 130	25	44	53	130	59	M16x1.0
VC226JR	CCT50 AD/B - SFH 25CR - 160	25	44	53	160	59	M16x1.0	
VC227JR	CCT50 AD/B - SFH 32CR - 100	32	44	53	100	59	M16x1.0	
VC228JR	CCT50 AD/B - SFH 32CR - 130	32	44	53	130	59	M16x1.0	
VC229JR	CCT50 AD/B - SFH 32CR - 160	32	44	53	160	59	M16x1.0	

\* Resealable type (Thread for plugging screw & screws)

\*1 Resealable type is not available.

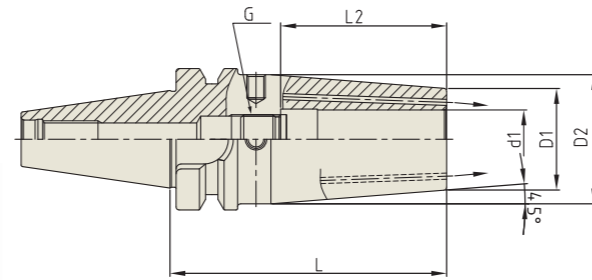
SHRINK FIT HOLDER



JIS B6339/MAS 403-BT (Inch)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
<a href="#">VG020</a>	30	BT30 - SFH 1/8 - 2.36	.125	.394	.629	2.362	0.354	-	-
<a href="#">VG022</a>		BT30 - SFH 3/16 - 2.36	.188	.394	.629	2.362	0.472	-	-
<a href="#">VG024</a>		BT30 - SFH 1/4 - 2.36	.250	.827	1.062	2.362	1.417	M5x0.8mm	-
<a href="#">VG026</a>		BT30 - SFH 3/8 - 2.36	.375	.945	1.180	2.362	1.713	M8x1.0mm	-
<a href="#">VG028</a>		BT30 - SFH 1/2 - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm	-
<a href="#">VG030</a>		BT30 - SFH 5/8 - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm	-
<a href="#">VG032</a>		BT30 - SFH 3/4 - 3.54	.750	1.299	1.654	3.543	2.087	M16x1.0mm	-

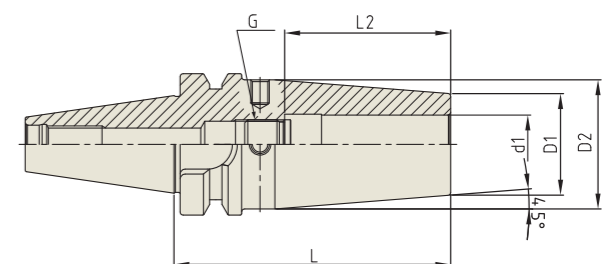


JIS B6339/MAS 403-BT (Inch)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
<a href="#">VG024J</a>	30	BT30 - SFH 1/4C - 2.36	.250	.827	1.063	2.360	1.417	M5x0.8mm	-
<a href="#">VG026J</a>		BT30 - SFH 3/8C - 2.36	.375	.945	1.180	2.360	1.713	M8x1.0mm	-
<a href="#">VG028J</a>		BT30 - SFH 1/2C - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm	-
<a href="#">VG030J</a>		BT30 - SFH 5/8C - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm	-
<a href="#">VG032J</a>		BT30 - SFH 3/4C - 3.54	.750	1.299	1.654	3.540	2.126	M16x1.0mm	-

SHRINK FIT HOLDER



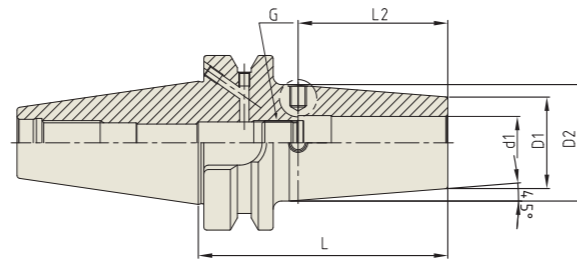
JIS B6339/MAS 403-BT (Inch)

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
<a href="#">P2776703A</a>	30	BT30 - SFH 3 - 60	3	11	15	60	10	-	0.40
<a href="#">P2776702A</a>		BT30 - SFH 4 - 60	4	11	15	60	12	-	0.40
<a href="#">P2776704A</a>		BT30 - SFH 5 - 60	5	11	15	60	15	M5x0.8	0.40
<a href="#">P2776701A</a>		BT30 - SFH 6 - 60	6	21	27	60	36	M5x0.8	0.40
<a href="#">P2776705A</a>		BT30 - SFH 8 - 60	8	21	27	60	36	M6x1.0	0.40
<a href="#">P2776706A</a>		BT30 - SFH 10 - 80	10	24	32	80	42	M8x1.0	0.40
<a href="#">P2776707A</a>		BT30 - SFH 12 - 80	12	24	32	80	47	M10x1.0	0.42
<a href="#">P2776708A</a>		BT30 - SFH 14 - 80	14	27	34	80	47	M10x1.0	0.42
<a href="#">P2776709A</a>		BT30 - SFH 16 - 80	16	27	34	80	50	M12x1.0	0.42
<a href="#">P2776710A</a>		BT30 - SFH 18 - 80	18	33	42	80	50	M12x1.0	0.42
<a href="#">P2776711A</a>		BT30 - SFH 20 - 90	20	33	42	90	52	M16x1.0	0.44

\* Coolant channel is available as option.

SHRINK FIT HOLDER

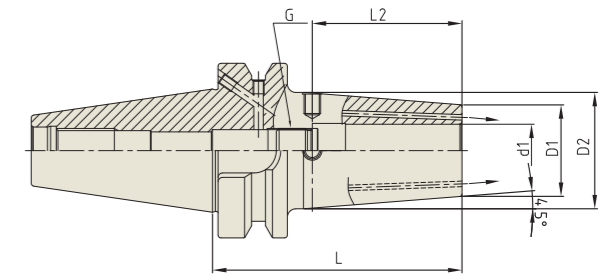


JIS B6339/MAS 403-BT (Inch)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
<a href="#">VH020</a>	40	BT40 AD/B - SFH 1/8 - 3.54	.125	.394	.748	3.543	0.354	-	-
<a href="#">VH022</a>		BT40 AD/B - SFH 3/16 - 3.54	.188	.394	.748	3.543	0.472	-	-
<a href="#">VH024</a>		BT40 AD/B - SFH 1/4 - 3.54	.250	.827	1.063	3.543	1.417	M5x0.8mm	-
<a href="#">VH026</a>		BT40 AD/B - SFH 1/4 - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm	-
<a href="#">VH028</a>		BT40 AD/B - SFH 3/8 - 3.54	.375	.945	1.260	3.543	1.713	M8x1.0mm	-
<a href="#">VH030</a>		BT40 AD/B - SFH 3/8 - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm	-
<a href="#">VH032</a>		BT40 AD/B - SFH 1/2 - 3.54	.500	.945	1.260	3.543	1.929	M10x1.0mm	-
<a href="#">VH034</a>		BT40 AD/B - SFH 1/2 - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm	-
<a href="#">VH036</a>		BT40 AD/B - SFH 5/8 - 3.54	.625	1.063	1.339	3.543	2.047	M12x1.0mm	-
<a href="#">VH038</a>		BT40 AD/B - SFH 5/8 - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm	-
<a href="#">VH040</a>		BT40 AD/B - SFH 3/4 - 3.54	.750	1.299	1.654	3.543	2.126	M16x1.0mm	-
<a href="#">VH042</a>		BT40 AD/B - SFH 3/4 - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm	-
<a href="#">VH044</a>		BT40 AD/B - SFH 1.0 - 3.94	1.000	1.732	2.087	3.937	2.362	M16x1.0mm	-
<a href="#">VH046</a>		BT40 AD/B - SFH 1.0 - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm	-

SHRINK FIT HOLDER (Coolant Channel Type)



JIS B6339/MAS 403-BT (Inch)

Unit : inch

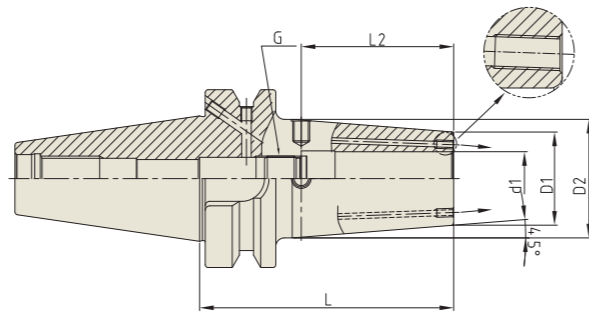
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
<a href="#">VH020J</a>	40	BT40 AD/B - SFH 1/8C - 3.54	.125	.472	.827	3.540	0.394	-	-
<a href="#">VH022J</a>		BT40 AD/B - SFH 3/16C - 3.54	.188	.472	.827	3.540	0.472	-	-
<a href="#">VH024J</a>		BT40 AD/B - SFH 1/4C - 3.54	.250	.827	1.063	3.540	1.417	M5x0.8mm	-
<a href="#">VH026J</a>		BT40 AD/B - SFH 1/4C - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm	-
<a href="#">VH028J</a>		BT40 AD/B - SFH 3/8C - 3.54	.375	.945	1.260	3.540	1.713	M8x1.0mm	-
<a href="#">VH030J</a>		BT40 AD/B - SFH 3/8C - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm	-
<a href="#">VH032J</a>		BT40 AD/B - SFH 1/2C - 3.54	.500	.945	1.260	3.540	1.929	M10x1.0mm	-
<a href="#">VH034J</a>		BT40 AD/B - SFH 1/2C - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm	-
<a href="#">VH036J</a>		BT40 AD/B - SFH 5/8C - 3.54	.625	1.063	1.339	3.540	2.047	M12x1.0mm	-
<a href="#">VH038J</a>		BT40 AD/B - SFH 5/8C - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm	-
<a href="#">VH040J</a>		BT40 AD/B - SFH 3/4C - 3.54	.750	1.299	1.654	3.540	2.126	M16x1.0mm	-
<a href="#">VH042J</a>		BT40 AD/B - SFH 3/4C - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm	-
<a href="#">VH044J</a>		BT40 AD/B - SFH 1.0C - 3.94	1.000	1.732	2.087	3.940	2.362	M16x1.0mm	-
<a href="#">VH046J</a>		BT40 AD/B - SFH 1.0C - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm	-



**YG SHRINK FIT HOLDER**

**BT**

**SHRINK FIT HOLDER (Coolant Channel Resealable)**



**JIS B6339/MAS 403-BT (Inch)**

Unit : inch

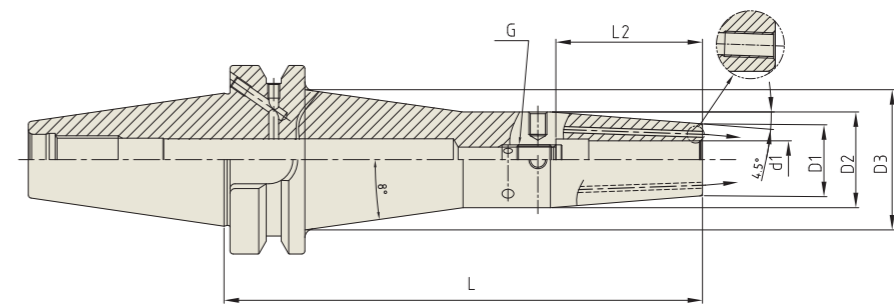
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
VH051JR	40	BT40 AD/B - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x0.8mm	-
VH057JR		BT40 AD/B - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm	-
VH052JR		BT40 AD/B - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm	-
VH058JR		BT40 AD/B - SFH 7/16CR - 5.12	.438	.945	1.260	5.120	1.929	M10x1.0mm	-
VH053JR		BT40 AD/B - SFH 1/2CR - 5.12	.500	.945	1.260	5.120	1.929	M10x1.0mm	-
VH054JR		BT40 AD/B - SFH 5/8CR - 5.12	.625	1.063	1.339	5.120	2.047	M12x1.0mm	-
VH055JR		BT40 AD/B - SFH 3/4CR - 5.12	.750	1.299	1.654	5.120	2.126	M12x1.0mm	-
VH056JR		BT40 AD/B - SFH 1.0CR - 5.12	1.000	1.732	2.087	5.120	2.362	M16x1.0mm	-

\* Resealable type (Thread for plugging screw & screws)

**YG SHRINK FIT HOLDER**

**BT**

**SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**



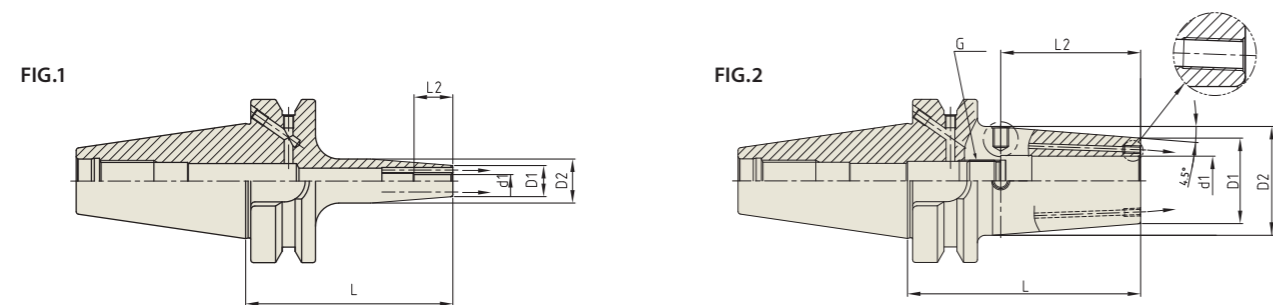
**JIS B6339/MAS 403-BT (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
VH026JTW	40	BT40 AD/B - SFH 1/4C TW - 6.30	.250	.827	1.063	1.654	6.300	1.417	M5x0.8mm	-
VH060JTW		BT40 AD/B - SFH 5/16C TW - 6.30	.313	.827	1.063	1.654	6.300	1.417	M6x1.0mm	-
VH030JTW		BT40 AD/B - SFH 3/8C TW - 6.30	.375	.945	1.260	1.850	6.300	1.713	M8x1.0mm	-
VH061JTW		BT40 AD/B - SFH 7/16C TW - 6.30	.438	.945	1.260	1.850	6.300	1.929	M10x1.0mm	-
VH034JTW		BT40 AD/B - SFH 1/2C TW - 6.30	.500	.945	1.260	1.850	6.300	1.929	M10x1.0mm	-
VH038JTW		BT40 AD/B - SFH 5/8C TW - 6.30	.625	1.063	1.339	1.929	6.300	2.047	M12x1.0mm	-
VH042JTW		BT40 AD/B - SFH 3/4C TW - 6.30	.750	1.299	1.654	2.244	6.300	2.126	M16x1.0mm	-

\* Resealable type available.

**SHRINK FIT HOLDER (Coolant Channel Resealable)**



**JIS B6339/MAS 403-BT (Metric)**



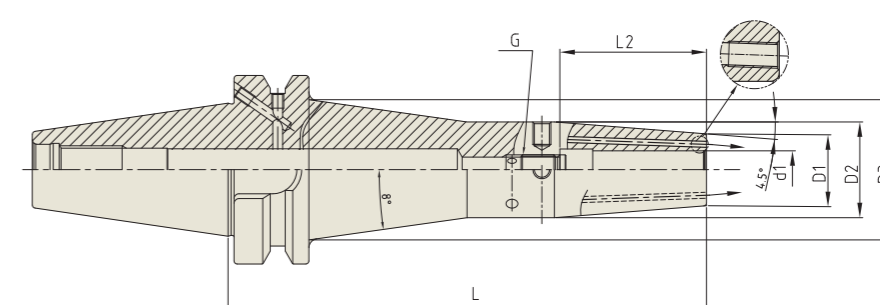
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
P2863000C	40	BT40 AD/B - SFH 3C - 90 *1	3	12	17	90	10	-	1	-
P2863001C		BT40 AD/B - SFH 4C - 90 *1	4	12	17	90	12	-	1	-
P2863002C		BT40 AD/B - SFH 5C - 90 *1	5	12	17	90	15	-	1	-
P2863024CR		BT40 AD/B - SFH 6CR - 90	6	21	27	90	36	M5x0.8	2	1.10
P2863003CR		BT40 AD/B - SFH 6CR - 130	6	21	27	130	36	M5x0.8	2	-
P2863025CR		BT40 AD/B - SFH 6CR - 160	6	21	27	160	36	M5x0.8	2	1.15
P2863026CR		BT40 AD/B - SFH 8CR - 90	8	21	27	90	36	M6x1.0	2	1.11
P2863004CR		BT40 AD/B - SFH 8CR - 130	8	21	27	130	36	M6x1.0	2	-
P2863027CR		BT40 AD/B - SFH 8CR - 160	8	21	27	160	36	M6x1.0	2	1.15
P2863028CR		BT40 AD/B - SFH 10CR - 90	10	24	32	90	41	M8x1.0	2	1.10
P2863005CR		BT40 AD/B - SFH 10CR - 130	10	24	32	130	41	M8x1.0	2	-
P2863029CR		BT40 AD/B - SFH 10CR - 160	10	24	32	160	41	M8x1.0	2	1.15
P2863030CR		BT40 AD/B - SFH 12CR - 90	12	24	32	90	47	M10x1.0	2	1.10
P2863006CR		BT40 AD/B - SFH 12CR - 130	12	24	32	130	47	M10x1.0	2	-
P2863031CR		BT40 AD/B - SFH 12CR - 160	12	24	32	160	47	M10x1.0	2	1.15
P2863032CR		BT40 AD/B - SFH 14CR - 90	14	27	34	90	47	M10x1.0	2	1.20
P2863007CR		BT40 AD/B - SFH 14CR - 130	14	27	34	130	47	M10x1.0	2	-
P2863033CR		BT40 AD/B - SFH 14CR - 160	14	27	34	160	47	M10x1.0	2	1.50
P2863034CR		BT40 AD/B - SFH 16CR - 90	16	27	34	90	50	M12x1.0	2	1.20
P2863008CR		BT40 AD/B - SFH 16CR - 130	16	27	34	130	50	M12x1.0	2	-
P2863035CR		BT40 AD/B - SFH 16CR - 160	16	27	34	160	50	M12x1.0	2	1.50
P2863036CR		BT40 AD/B - SFH 18CR - 90	18	33	42	90	50	M12x1.0	2	1.30
P2863009CR		BT40 AD/B - SFH 18CR - 130	18	33	42	130	50	M12x1.0	2	-
P2863037CR		BT40 AD/B - SFH 18CR - 160	18	33	42	160	50	M12x1.0	2	1.60
P2863038CR		BT40 AD/B - SFH 20CR - 90	20	33	42	90	52	M16x1.0	2	1.40
P2863010CR	BT40 AD/B - SFH 20CR - 130	20	33	42	130	52	M16x1.0	2	-	
P2863039CR	BT40 AD/B - SFH 20CR - 160	20	33	42	160	52	M16x1.0	2	1.70	
P2863040CR	BT40 AD/B - SFH 25CR - 100	25	44	53	100	58	M16x1.0	2	1.70	
P2863011CR	BT40 AD/B - SFH 25CR - 130	25	44	53	130	58	M16x1.0	2	-	
P2863041CR	BT40 AD/B - SFH 25CR - 160	25	44	53	160	58	M16x1.0	2	2.00	

\* Resealable type (Thread for plugging screw & screws)

\*1 Resealable type is not available.

**SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**



**JIS B6339/MAS 403-BT (Metric)**

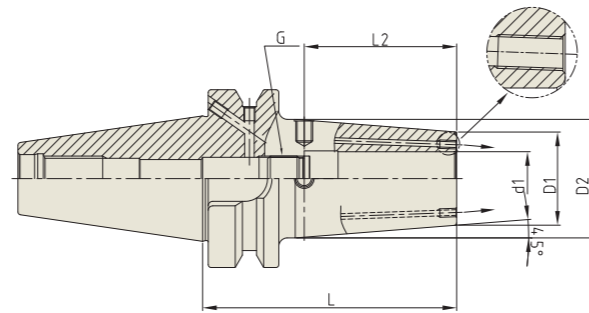


Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
P2801601TW	40	BT40 AD/B - SFH 6CTW - 160	6	21	27	41.9	160	36	M5x0.8	1.64
P2801602TW		BT40 AD/B - SFH 8CTW - 160	8	21	27	41.9	160	36	M6x1.0	1.63
P2801603TW		BT40 AD/B - SFH 10CTW - 160	10	24	32	46.9	160	42	M8x1.0	1.84
P2801604TW		BT40 AD/B - SFH 12CTW - 160	12	24	32	46.9	160	47	M10x1.0	1.83
P2801605TW		BT40 AD/B - SFH 14CTW - 160	14	27	34	48.9	160	47	M10x1.0	1.80
P2801606TW		BT40 AD/B - SFH 16CTW - 160	16	27	34	48.9	160	50	M12x1.0	1.92

\* Resealable type available.

**SHRINK FIT HOLDER (Coolant Channel Resealable)**



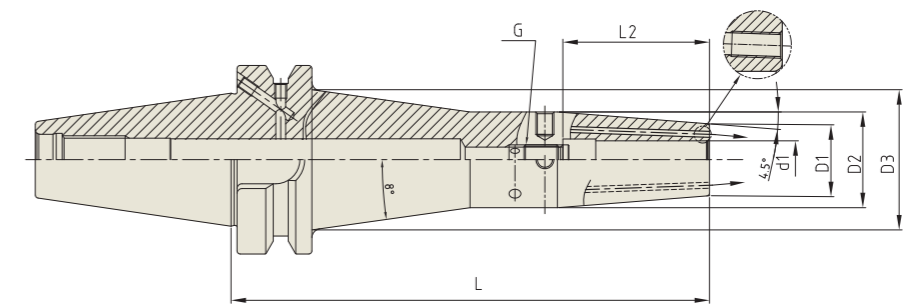
**JIS B6339/MAS 403-BT (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
VI201JR	50	BT50 AD/B - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x0.8mm	-
VI202JR		BT50 AD/B - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm	-
VI203JR		BT50 AD/B - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm	-
VI204JR		BT50 AD/B - SFH 7/16CR - 5.12	.438	.945	1.260	5.120	1.929	M10x1.0mm	-
VI205JR		BT50 AD/B - SFH 1/2CR - 5.12	.500	.945	1.260	5.120	1.929	M10x1.0mm	-
VI206JR		BT50 AD/B - SFH 5/8CR - 5.12	.625	1.063	1.339	5.120	2.047	M12x1.0mm	-
VI207JR		BT50 AD/B - SFH 3/4CR - 5.12	.750	1.299	1.654	5.120	2.126	M12x1.0mm	-
VI208JR		BT50 AD/B - SFH 1.0CR - 5.12	1.000	1.732	2.087	5.120	2.362	M16x1.0mm	-

\* Resealable type (Thread for plugging screw & screws)

**SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**



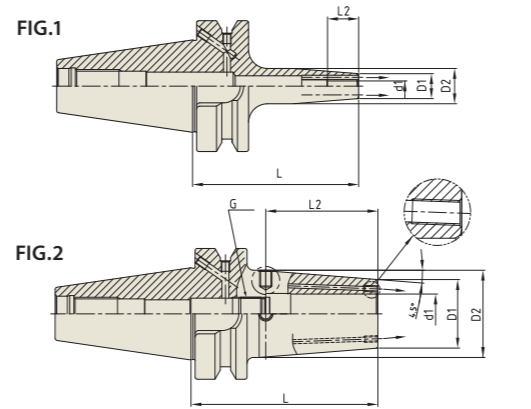
**JIS B6339/MAS 403-BT (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
VI300JTW	50	BT50 AD/B - SFH 1/4C TW - 6.30	.250	.827	1.063	1.531	6.300	1.417	M5x0.8mm	-
VI301JTW		BT50 AD/B - SFH 5/16C TW - 6.30	.313	.827	1.063	1.531	6.300	1.417	M6x1.0mm	-
VI302JTW		BT50 AD/B - SFH 3/8C TW - 6.30	.375	.945	1.260	1.728	6.300	1.713	M8x1.0mm	-
VI303JTW		BT50 AD/B - SFH 7/16C TW - 6.30	.438	.945	1.260	1.728	6.300	1.929	M10x1.0mm	-
VI304JTW		BT50 AD/B - SFH 1/2C TW - 6.30	.500	.945	1.260	1.728	6.300	1.929	M10x1.0mm	-
VI305JTW		BT50 AD/B - SFH 5/8C TW - 6.30	.625	1.063	1.339	1.807	6.300	2.047	M12x1.0mm	-
VI306JTW		BT50 AD/B - SFH 3/4C TW - 6.30	.750	1.299	1.654	2.122	6.300	2.126	M16x1.0mm	-
VI307JTW		BT50 AD/B - SFH 1.0C TW - 6.30	1.000	1.732	2.087	2.557	6.300	2.126	M16x1.0mm	-
VI308JTW		BT50 AD/B - SFH1 1/4C TW - 6.30	1.250	1.732	2.087	2.557	6.300	2.126	M16x1.0mm	-

\* Resealable type available.

**SHRINK FIT HOLDER (Coolant Channel Resealable)**

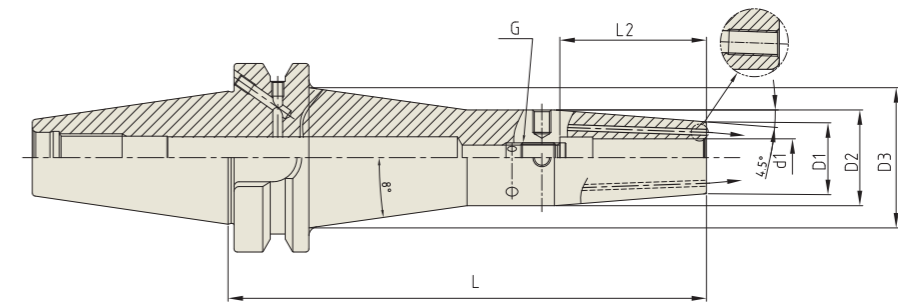


**JIS B6339/MAS 403-BT (Metric)**

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
P2863012C	50	BT50 AD/B - SFH 3C - 100 *1	3	12	17	100	10	-	1	-
P2863013C		BT50 AD/B - SFH 4C - 100 *1	4	12	17	100	12	-	1	-
P2863014C		BT50 AD/B - SFH 5C - 100 *1	5	12	17	100	15	-	1	-
P2863042CR		BT50 AD/B - SFH 6CR - 100	6	21	27	100	36	M5x0.8	2	1.50
P2863015CR		BT50 AD/B - SFH 6CR - 130	6	21	27	130	36	M5x0.8	2	-
P2863043CR		BT50 AD/B - SFH 6CR - 160	6	21	27	160	36	M5x0.8	2	2.00
P2863044CR		BT50 AD/B - SFH 8CR - 100	8	21	27	100	36	M6x1.0	2	1.50
P2863016CR		BT50 AD/B - SFH 8CR - 130	8	21	27	130	36	M6x1.0	2	-
P2863045CR		BT50 AD/B - SFH 8CR - 160	8	21	27	160	36	M6x1.0	2	2.00
P2863046CR		BT50 AD/B - SFH 10CR - 100	10	24	32	100	42	M8x1.0	2	1.10
P2863017CR		BT50 AD/B - SFH 10CR - 130	10	24	32	130	42	M8x1.0	2	-
P2863047CR		BT50 AD/B - SFH 10CR - 160	10	24	32	160	42	M8x1.0	2	1.15
P2863048CR		BT50 AD/B - SFH 12CR - 100	12	24	32	100	47	M10x1.0	2	1.60
P2863018CR		BT50 AD/B - SFH 12CR - 130	12	24	32	130	47	M10x1.0	2	-
P2863049CR		BT50 AD/B - SFH 12CR - 160	12	24	32	160	47	M10x1.0	2	2.10
P2863050CR		BT50 AD/B - SFH 14CR - 100	14	27	34	100	47	M10x1.0	2	1.60
P2863019CR		BT50 AD/B - SFH 14CR - 130	14	27	34	130	47	M10x1.0	2	-
P2863051CR		BT50 AD/B - SFH 14CR - 160	14	27	34	160	47	M10x1.0	2	2.10
P2863052CR		BT50 AD/B - SFH 16CR - 100	16	27	34	100	50	M12x1.0	2	1.60
P2863020CR		BT50 AD/B - SFH 16CR - 130	16	27	34	130	50	M12x1.0	2	-
P2863053CR		BT50 AD/B - SFH 16CR - 160	16	27	34	160	50	M12x1.0	2	2.10
P2863054CR		BT50 AD/B - SFH 18CR - 100	18	33	42	100	50	M12x1.0	2	1.60
P2863021CR		BT50 AD/B - SFH 18CR - 130	18	33	42	130	50	M12x1.0	2	-
P2863055CR		BT50 AD/B - SFH 18CR - 160	18	33	42	160	50	M12x1.0	2	2.00
P2863056CR		BT50 AD/B - SFH 20CR - 100	20	33	42	100	52	M16x1.0	2	1.80
P2863022CR	BT50 AD/B - SFH 20CR - 130	20	33	42	130	52	M16x1.0	2	-	
P2863057CR	BT50 AD/B - SFH 20CR - 160	20	33	42	160	52	M16x1.0	2	2.20	
P2863058CR	BT50 AD/B - SFH 25CR - 100	25	44	53	100	58	M16x1.0	2	2.00	
P2863023CR	BT50 AD/B - SFH 25CR - 130	25	44	53	130	58	M16x1.0	2	-	
P2863059CR	BT50 AD/B - SFH 25CR - 160	25	44	53	160	58	M16x1.0	2	2.40	

\* Resealable type (Thread for plugging screw & screws)  
\*1 Resealable type is not available.

**SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**



**JIS B6339/MAS 403-BT (Metric)**

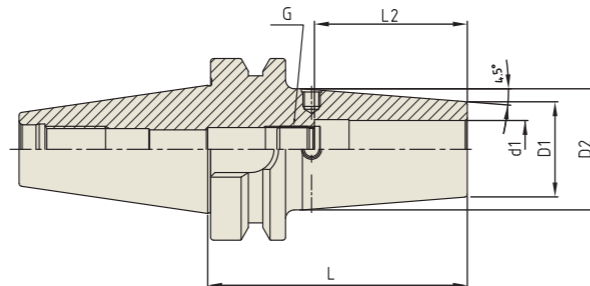
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
P2801607TW	50	BT50 AD/B - SFH 6CTW - 160	6	21	27	38.8	160	36	M5x0.8	4.12
P2801608TW		BT50 AD/B - SFH 8CTW - 160	8	21	27	38.8	160	36	M6x1.0	4.57
P2801609TW		BT50 AD/B - SFH 10CTW - 160	10	24	32	43.8	160	42	M8x1.0	4.76
P2801610TW		BT50 AD/B - SFH 12CTW - 160	12	24	32	43.8	160	47	M10x1.0	4.74
P2801611TW		BT50 AD/B - SFH 14CTW - 160	14	27	34	45.8	160	47	M10x1.0	4.70
P2801612TW		BT50 AD/B - SFH 16CTW - 160	16	27	34	45.8	160	50	M12x1.0	4.69
P2801613TW		BT50 AD/B - SFH 20CTW - 160	20	33	42	53.8	160	52	M16x1.0	5.17

\* Resealable type available.

**YG SHRINK FIT HOLDER**

**CBT**

**DUAL CONTACT SHRINK FIT HOLDER**

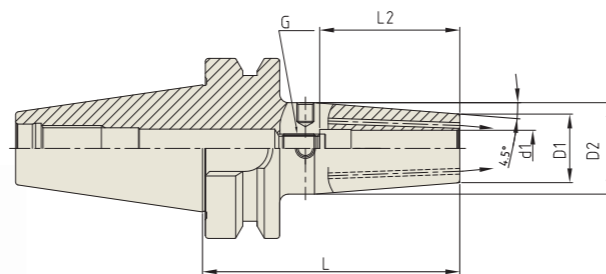
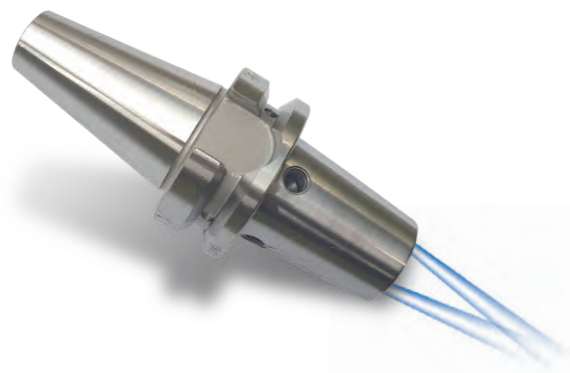


CBT AT3 2.5G 25,000 RPM (at 3D) ≤0.00012" AD

**CBT (BT DUAL CONTACT) (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
<a href="#">VD020</a>	30	CBT30 - SFH 1/8 - 2.36	.125	.394	.629	2.362	.354	-	-
<a href="#">VD022</a>		CBT30 - SFH 3/16 - 2.36	.188	.394	.629	2.362	.472	-	-
<a href="#">VD024</a>		CBT30 - SFH 1/4 - 2.36	.250	.827	1.062	2.362	1.417	M5x0.8mm	-
<a href="#">VD026</a>		CBT30 - SFH 3/8 - 2.36	.375	.945	1.180	2.362	1.673	M8x1.0mm	-
<a href="#">VD028</a>		CBT30 - SFH 1/2 - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm	-
<a href="#">VD030</a>		CBT30 - SFH 5/8 - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm	-
<a href="#">VD032</a>		CBT30 - SFH 3/4 - 3.54	.750	1.299	1.654	3.543	2.126	M16x1.0mm	-



CBT AT3 2.5G 25,000 RPM (at 3D) ≤0.00012" AD+C

**CBT (BT DUAL CONTACT) Coolant Channel Type(Inch)**

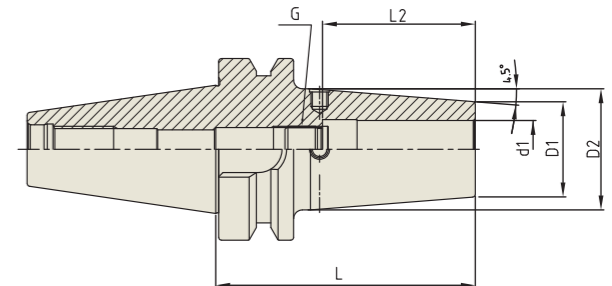
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
<a href="#">VD024J</a>	30	CBT30 - SFH 1/4C - 2.36	.250	.827	1.062	2.360	1.417	M5x0.8mm	-
<a href="#">VD026J</a>		CBT30 - SFH 3/8C - 2.36	.375	.945	1.180	2.360	1.713	M8x1.0mm	-
<a href="#">VD028J</a>		CBT30 - SFH 1/2C - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm	-
<a href="#">VD030J</a>		CBT30 - SFH 5/8C - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm	-
<a href="#">VD032J</a>		CBT30 - SFH 3/4C - 3.54	.750	1.299	1.654	3.540	2.126	M16x1.0mm	-

**YG SHRINK FIT HOLDER**

**CBT**

**DUAL CONTACT SHRINK FIT HOLDER**



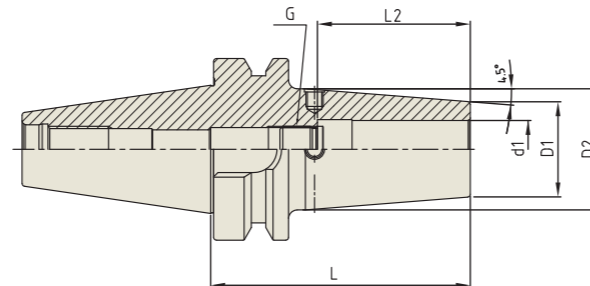
CBT AT3 2.5G 25,000 RPM (at 3D) ≤3µm AD

**CBT (BT DUAL CONTACT) (Metric)**

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
<a href="#">P2771505</a>	30	CBT30 - SFH 3 - 60	3	11	15	60	10	-	0.40
<a href="#">P2771506</a>		CBT30 - SFH 4 - 60	4	11	15	60	12	-	0.40
<a href="#">P2771507</a>		CBT30 - SFH 5 - 60	5	11	15	60	15	M5x0.8	0.40
<a href="#">P2771508</a>		CBT30 - SFH 6 - 60	6	21	27	60	36	M5x0.8	0.40
<a href="#">P2771509</a>		CBT30 - SFH 8 - 60	8	21	27	60	36	M6x1.0	0.40
<a href="#">P2771510</a>		CBT30 - SFH 10 - 80	10	24	32	80	42	M8x1.0	0.40
<a href="#">P2771511</a>		CBT30 - SFH 12 - 80	12	24	32	80	47	M10x1.0	0.42
<a href="#">P2771512</a>		CBT30 - SFH 14 - 80	14	27	34	80	47	M10x1.0	0.42
<a href="#">P2771513</a>		CBT30 - SFH 16 - 80	16	27	34	80	50	M12x1.0	0.42
<a href="#">P2771514</a>		CBT30 - SFH 18 - 80	18	33	42	80	50	M12x1.0	0.42
<a href="#">P2771515</a>		CBT30 - SFH 20 - 90	20	33	42	90	52	M16x1.0	0.44

**DUAL CONTACT SHRINK FIT HOLDER**

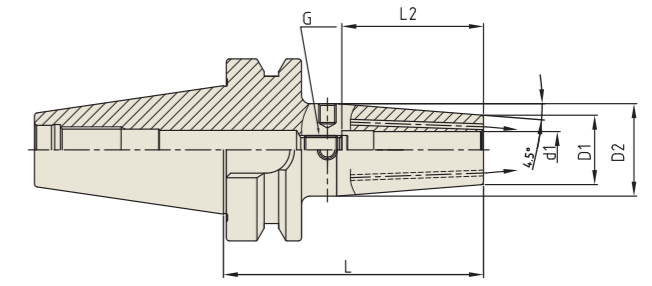
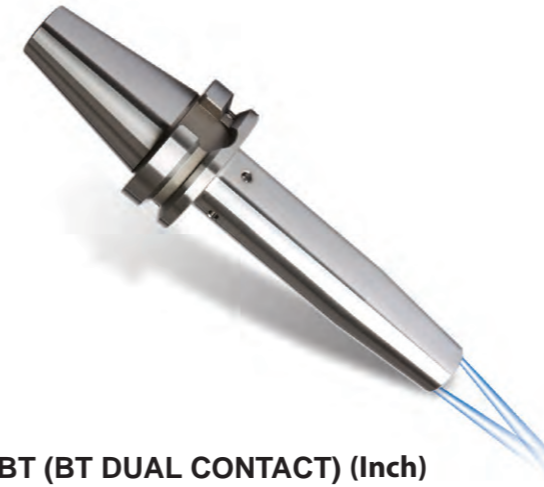


**CBT (BT DUAL CONTACT) (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
<a href="#">VE020</a>	40	CBT40 - SFH 1/8 - 3.54	.125	.394	.748	3.543	.354	-	-
<a href="#">VE022</a>		CBT40 - SFH 3/16 - 3.54	.188	.394	.748	3.543	.472	-	-
<a href="#">VE024</a>		CBT40 - SFH 1/4 - 3.54	.250	.827	1.063	3.543	1.417	M5x0.8mm	-
<a href="#">VE026</a>		CBT40 - SFH 1/4 - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm	-
<a href="#">VE028</a>		CBT40 - SFH 3/8 - 3.54	.375	.945	1.260	3.543	1.713	M8x1.0mm	-
<a href="#">VE030</a>		CBT40 - SFH 3/8 - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm	-
<a href="#">VE032</a>		CBT40 - SFH 1/2 - 3.54	.500	.945	1.260	3.543	1.929	M10x1.0mm	-
<a href="#">VE034</a>		CBT40 - SFH 1/2 - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm	-
<a href="#">VE036</a>		CBT40 - SFH 5/8 - 3.54	.625	1.063	1.339	3.543	2.047	M12x1.0mm	-
<a href="#">VE038</a>		CBT40 - SFH 5/8 - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm	-
<a href="#">VE040</a>		CBT40 - SFH 3/4 - 3.54	.750	1.299	1.654	3.543	2.126	M16x1.0mm	-
<a href="#">VE042</a>		CBT40 - SFH 3/4 - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm	-
<a href="#">VE044</a>		CBT40 - SFH 1.0 - 3.94	1.000	1.732	2.087	3.937	2.362	M16x1.0mm	-
<a href="#">VE046</a>		CBT40 - SFH 1.0 - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm	-

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Type)**



**CBT (BT DUAL CONTACT) (Inch)**

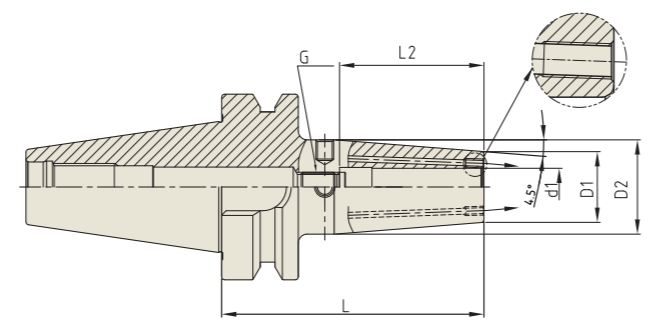
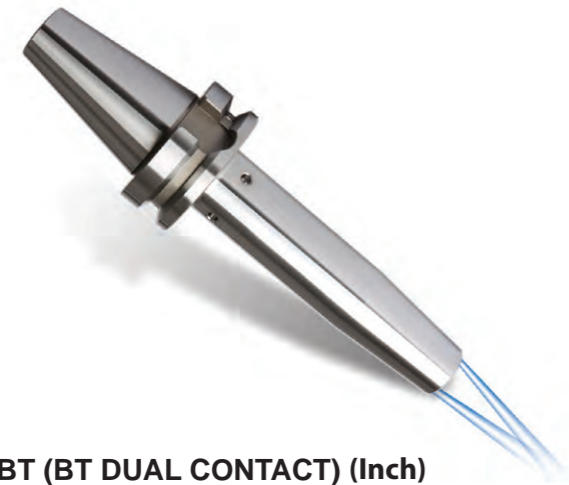
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
<a href="#">VE020J</a>	40	CBT40 - SFH 1/8C - 3.54	.125	.472	.827	3.540	.394	-	-
<a href="#">VE022J</a>		CBT40 - SFH 3/16C - 3.54	.188	.472	.827	3.540	.472	-	-
<a href="#">VE024J</a>		CBT40 - SFH 1/4C - 3.54	.250	.827	1.063	3.540	1.417	M5x0.8mm	-
<a href="#">VE026J</a>		CBT40 - SFH 1/4C - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm	-
<a href="#">VE028J</a>		CBT40 - SFH 3/8C - 3.54	.375	.945	1.260	3.540	1.713	M8x1.0mm	-
<a href="#">VE030J</a>		CBT40 - SFH 3/8C - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm	-
<a href="#">VE032J</a>		CBT40 - SFH 1/2C - 3.54	.500	.945	1.260	3.540	1.929	M10x1.0mm	-
<a href="#">VE034J</a>		CBT40 - SFH 1/2C - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm	-
<a href="#">VE036J</a>		CBT40 - SFH 5/8C - 3.54	.625	1.063	1.339	3.540	2.047	M12x1.0mm	-
<a href="#">VE038J</a>		CBT40 - SFH 5/8C - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm	-
<a href="#">VE040J</a>		CBT40 - SFH 3/4C - 3.54	.750	1.299	1.654	3.540	2.126	M16x1.0mm	-
<a href="#">VE042J</a>		CBT40 - SFH 3/4C - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm	-
<a href="#">VE044J</a>		CBT40 - SFH 1.0C - 3.94	1.000	1.732	2.087	3.940	2.362	M16x1.0mm	-
<a href="#">VE046J</a>		CBT40 - SFH 1.0C - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm	-

**YG SHRINK FIT HOLDER**

**CBT**

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**



CBT AT3 2.5G 25,000 RPM (at 3D) ≤3μm AD+CR

**CBT (BT DUAL CONTACT) (Inch)**

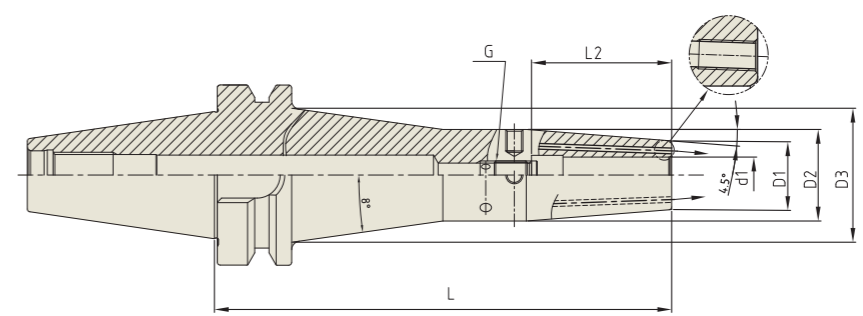
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
VE122JR	40	CBT40 - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x0.8mm	-
VE129JR		CBT40 - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm	-
VE123JR		CBT40 - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm	-
VE130JR		CBT40 - SFH 7/16CR - 5.12	.438	.945	1.260	5.120	1.929	M10x1.0mm	-
VE124JR		CBT40 - SFH 1/2CR - 5.12	.500	.945	1.260	5.120	1.929	M10x1.0mm	-
VE125JR		CBT40 - SFH 5/8CR - 5.12	.625	1.063	1.339	5.120	2.047	M12x1.0mm	-
VE127JR		CBT40 - SFH 3/4CR - 5.12	.750	1.299	1.654	5.120	2.126	M12x1.0mm	-
VE128JR		CBT40 - SFH 1.0CR - 5.12	1.000	1.732	2.087	5.120	2.362	M16x1.0mm	-

**YG SHRINK FIT HOLDER**

**CBT**

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**



CBT AT3 2.5G 25,000 RPM (at 3D) ≤0.00012" AD+C

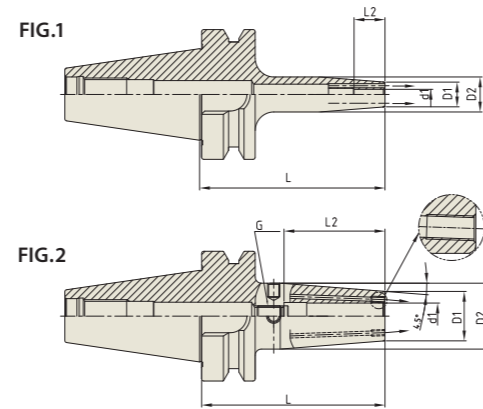
**CBT (BT DUAL CONTACT) (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
VE100JTW	50	CBT40 - SFH 1/4C TW - 6.30	.250	.827	1.063	1.654	6.300	1.417	M5x0.8mm	-
VE101JTW		CBT40 - SFH 5/16C TW - 6.30	.313	.827	1.063	1.654	6.300	1.417	M6x1.0mm	-
VE102JTW		CBT40 - SFH 3/8C TW - 6.30	.375	.945	1.260	1.850	6.300	1.713	M8x1.0mm	-
VE103JTW		CBT40 - SFH 7/16C TW - 6.30	.438	.945	1.260	1.850	6.300	1.929	M10x1.0mm	-
VE104JTW		CBT40 - SFH 1/2C TW - 6.30	.500	.945	1.260	1.850	6.300	1.929	M10x1.0mm	-
VE105JTW		CBT40 - SFH 5/8C TW - 6.30	.625	1.063	1.339	1.929	6.300	2.047	M12x1.0mm	-
VE106JTW		CBT40 - SFH 3/4C TW - 6.30	.750	1.299	1.654	2.244	6.300	2.126	M16x1.0mm	-

\* Resealable type available.

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**



**CBT (BT DUAL CONTACT) (METRIC)**

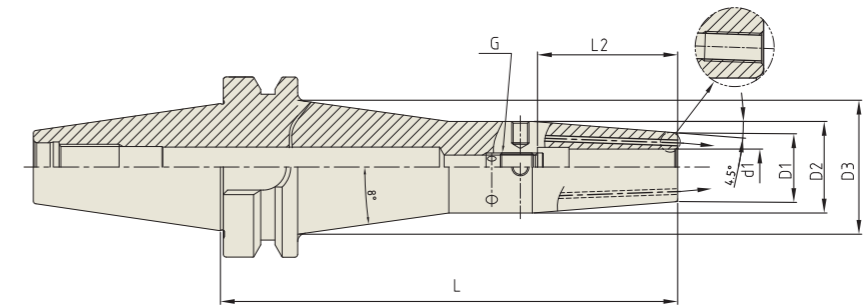
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
P2862160C	40	CBT40 - SFH 3C - 90 *1	3	12	17	90	10	-	1	-
P2862161C		CBT40 - SFH 4C - 90 *1	4	12	17	90	12	-	1	-
P2862162C		CBT40 - SFH 5C - 90 *1	5	12	17	90	15	-	1	-
P2862184CR		CBT40 - SFH 6CR - 90	6	21	27	90	36	M5x0.8	2	1.10
P2862163CR		CBT40 - SFH 6CR - 130	6	21	27	130	36	M5x0.8	2	-
P2862185CR		CBT40 - SFH 6CR - 160	6	21	27	160	36	M5x0.8	2	1.15
P2862186CR		CBT40 - SFH 8CR - 90	8	21	27	90	36	M6x1.0	2	1.11
P2862164CR		CBT40 - SFH 8CR - 130	8	21	27	130	36	M6x1.0	2	-
P2862187CR		CBT40 - SFH 8CR - 160	8	21	27	160	36	M6x1.0	2	1.15
P2862188CR		CBT40 - SFH 10CR - 90	10	24	32	90	41	M8x1.0	2	1.10
P2862165CR		CBT40 - SFH 10CR - 130	10	24	32	130	41	M8x1.0	2	-
P2862189CR		CBT40 - SFH 10CR - 160	10	24	32	160	41	M8x1.0	2	1.15
P2862190CR		CBT40 - SFH 12CR - 90	12	24	32	90	47	M10x1.0	2	1.10
P2862166CR		CBT40 - SFH 12CR - 130	12	24	32	130	47	M10x1.0	2	-
P2862191CR		CBT40 - SFH 12CR - 160	12	24	32	160	47	M10x1.0	2	1.15
P2862192CR		CBT40 - SFH 14CR - 90	14	27	34	90	47	M10x1.0	2	1.20
P2862167CR		CBT40 - SFH 14CR - 130	14	27	34	130	47	M10x1.0	2	-
P2862193CR		CBT40 - SFH 14CR - 160	14	27	34	160	47	M10x1.0	2	1.50
P2862194CR		CBT40 - SFH 16CR - 90	16	27	34	90	50	M12x1.0	2	1.20
P2862168CR		CBT40 - SFH 16CR - 130	16	27	34	130	50	M12x1.0	2	-
P2862195CR		CBT40 - SFH 16CR - 160	16	27	34	160	50	M12x1.0	2	1.50
P2862196CR		CBT40 - SFH 18CR - 90	18	33	42	90	50	M12x1.0	2	1.30
P2862169CR		CBT40 - SFH 18CR - 130	18	33	42	130	50	M12x1.0	2	-
P2862197CR		CBT40 - SFH 18CR - 160	18	33	42	160	50	M12x1.0	2	1.60
P2862198CR		CBT40 - SFH 20CR - 90	20	33	42	90	52	M16x1.0	2	1.40
P2862170CR	CBT40 - SFH 20CR - 130	20	33	42	130	52	M16x1.0	2	-	
P2862199CR	CBT40 - SFH 20CR - 160	20	33	42	160	52	M16x1.0	2	1.70	
P2862200CR	CBT40 - SFH 25CR - 100	25	44	53	100	58	M16x1.0	2	1.70	
P2862171CR	CBT40 - SFH 25CR - 130	25	44	53	130	58	M16x1.0	2	-	
P2862201CR	CBT40 - SFH 25CR - 160	25	44	53	160	58	M16x1.0	2	2.00	

\* Resealable type (Thread for plugging screw & screws)

\*1 Resealable type is not available.

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**



**CBT (BT DUAL CONTACT) (METRIC)**

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
P2863200TW	40	CBT40 - SFH 6C TW - 160	6	21	27	41.9	160	36	M5x0.8	1.64
P2863201TW		CBT40 - SFH 8C TW - 160	8	21	27	41.9	160	36	M6x1.0	1.63
P2863202TW		CBT40 - SFH 10C TW - 160	10	24	32	46.9	160	42	M8x1.0	1.84
P2863203TW		CBT40 - SFH 12C TW - 160	12	24	32	46.9	160	47	M10x1.0	1.83
P2863204TW		CBT40 - SFH 14C TW - 160	14	27	34	48.9	160	47	M10x1.0	1.80
P2863205TW		CBT40 - SFH 16C TW - 160	16	27	34	48.9	160	50	M12x1.0	1.92

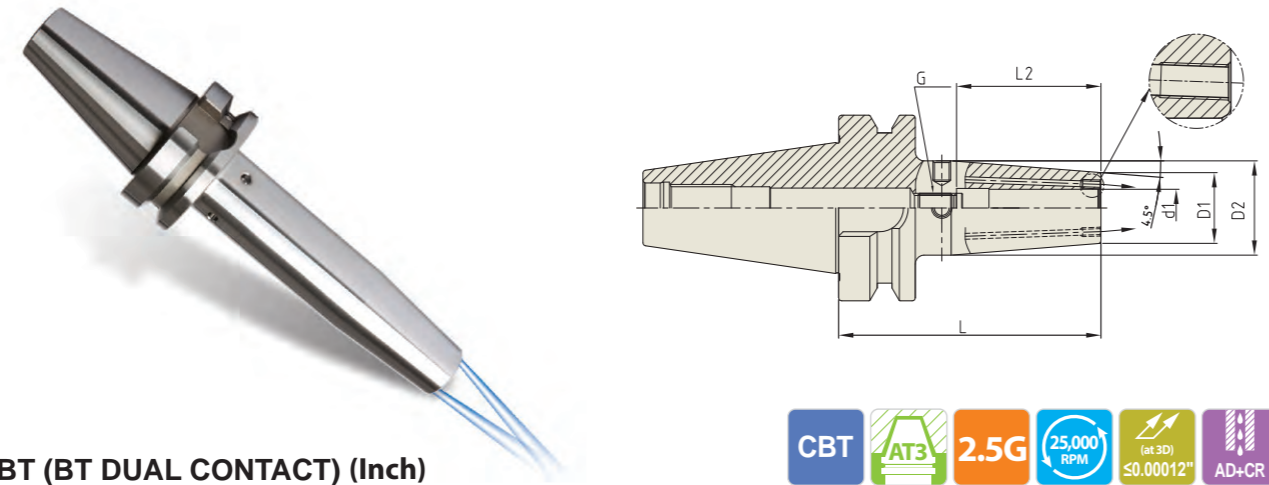
\* Resealable type available.



**YG SHRINK FIT HOLDER**

**CBT**

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**



**CBT (BT DUAL CONTACT) (Inch)**



Unit : inch

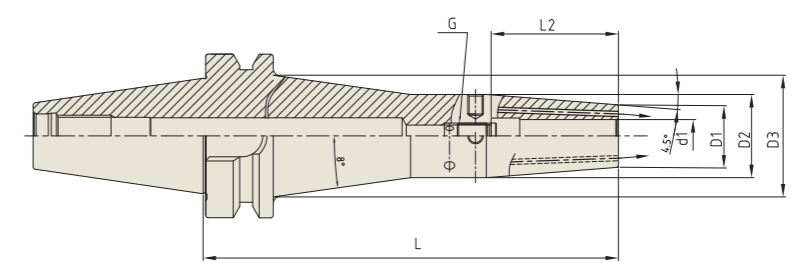
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
VF100JR	50	CBT50 - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x0.8mm	-
VF101JR		CBT50 - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm	-
VF102JR		CBT50 - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm	-
VF103JR		CBT50 - SFH 7/16CR - 5.12	.438	.945	1.260	5.120	1.929	M10x1.0mm	-
VF104JR		CBT50 - SFH 1/2CR - 5.12	.500	.945	1.260	5.120	1.929	M10x1.0mm	-
VF105JR		CBT50 - SFH 5/8CR - 5.12	.625	1.063	1.339	5.120	2.047	M12x1.0mm	-
VF106JR		CBT50 - SFH 3/4CR - 5.12	.750	1.299	1.654	5.120	2.126	M12x1.0mm	-
VF107JR		CBT50 - SFH 1.0CR - 5.12	1.000	1.732	2.087	5.120	2.362	M16x1.0mm	-

\* Resealable type (Thread for plugging screw & screws)

**YG SHRINK FIT HOLDER**

**CBT**

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**



**CBT (BT DUAL CONTACT) (Inch)**



Unit : inch

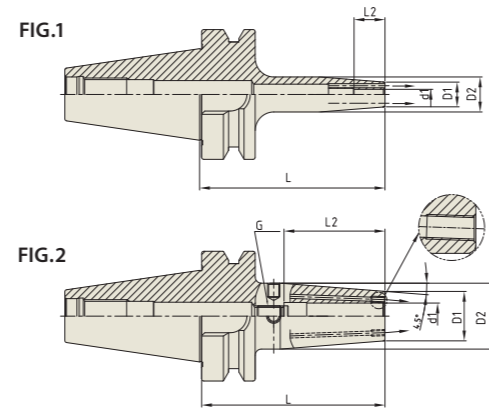
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
VF100JTW	50	CBT50 - SFH 1/4C TW - 6.30	.250	.827	1.063	1.531	6.300	1.417	M5x0.8mm	-
VF101JTW		CBT50 - SFH 5/16C TW - 6.30	.313	.827	1.063	1.531	6.300	1.417	M6x1.0mm	-
VF102JTW		CBT50 - SFH 3/8C TW - 6.30	.375	.945	1.260	1.728	6.300	1.713	M8x1.0mm	-
VF103JTW		CBT50 - SFH 7/16C TW - 6.30	.438	.945	1.260	1.728	6.300	1.929	M10x1.0mm	-
VF104JTW		CBT50 - SFH 1/2C TW - 6.30	.500	.945	1.260	1.728	6.300	1.929	M10x1.0mm	-
VF105JTW		CBT50 - SFH 5/8C TW - 6.30	.625	1.063	1.339	1.807	6.300	2.047	M12x1.0mm	-
VF106JTW		CBT50 - SFH 3/4C TW - 6.30	.750	1.299	1.654	2.122	6.300	2.126	M16x1.0mm	-
VF107JTW		CBT50 - SFH 1.0C TW - 6.30	1.000	1.732	2.087	2.557	6.300	2.126	M16x1.0mm	-
VF108JTW	CBT50 - SFH1 1/4C TW - 6.30	1.250	1.732	2.087	2.557	6.300	2.126	M16x1.0mm	-	

\* Resealable type available.

Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**



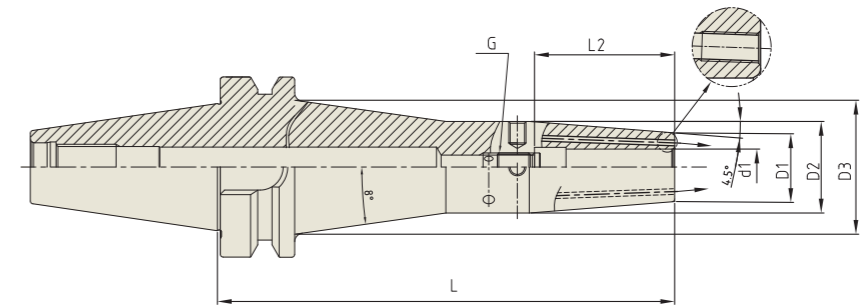
**CBT (BT DUAL CONTACT) (METRIC)**

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT (Kg)
P2862172C	50	CBT50 - SFH 3C - 100 *1	3	12	17	100	10	-	1	-
P2862173C		CBT50 - SFH 4C - 100 *1	4	12	17	100	12	-	1	-
P2862174C		CBT50 - SFH 5C - 100 *1	5	12	17	100	15	-	1	-
P2862202CR		CBT50 - SFH 6CR - 100	6	21	27	100	36	M5x0.8	2	1.50
P2862175CR		CBT50 - SFH 6CR - 130	6	21	27	130	36	M5x0.8	2	-
P2862203CR		CBT50 - SFH 6CR - 160	6	21	27	160	36	M5x0.8	2	2.00
P2862204CR		CBT50 - SFH 8CR - 100	8	21	27	100	36	M6x1.0	2	1.50
P2862176CR		CBT50 - SFH 8CR - 130	8	21	27	130	36	M6x1.0	2	-
P2862205CR		CBT50 - SFH 8CR - 160	8	21	27	160	36	M6x1.0	2	2.00
P2862206CR		CBT50 - SFH 10CR - 100	10	24	32	100	42	M8x1.0	2	1.10
P2862177CR		CBT50 - SFH 10CR - 130	10	24	32	130	42	M8x1.0	2	-
P2862207CR		CBT50 - SFH 10CR - 160	10	24	32	160	42	M8x1.0	2	1.15
P2862208CR		CBT50 - SFH 12CR - 100	12	24	32	100	47	M10x1.0	2	1.60
P2862178CR		CBT50 - SFH 12CR - 130	12	24	32	130	47	M10x1.0	2	-
P2862209CR		CBT50 - SFH 12CR - 160	12	24	32	160	47	M10x1.0	2	2.10
P2862210CR		CBT50 - SFH 14CR - 100	14	27	34	100	47	M10x1.0	2	1.60
P2862179CR		CBT50 - SFH 14CR - 130	14	27	34	130	47	M10x1.0	2	-
P2862211CR		CBT50 - SFH 14CR - 160	14	27	34	160	47	M10x1.0	2	2.10
P2862212CR		CBT50 - SFH 16CR - 100	16	27	34	100	50	M12x1.0	2	1.60
P2862180CR		CBT50 - SFH 16CR - 130	16	27	34	130	50	M12x1.0	2	-
P2862213CR	CBT50 - SFH 16CR - 160	16	27	34	160	50	M12x1.0	2	2.10	
P2862214CR	CBT50 - SFH 18CR - 100	18	33	42	100	50	M12x1.0	2	1.60	
P2862181CR	CBT50 - SFH 18CR - 130	18	33	42	130	50	M12x1.0	2	-	
P2862215CR	CBT50 - SFH 18CR - 160	18	33	42	160	50	M12x1.0	2	2.00	
P2862216CR	CBT50 - SFH 20CR - 100	20	33	42	100	52	M16x1.0	2	1.80	
P2862182CR	CBT50 - SFH 20CR - 130	20	33	42	130	52	M16x1.0	2	-	
P2862217CR	CBT50 - SFH 20CR - 160	20	33	42	160	52	M16x1.0	2	2.20	
P2862218CR	CBT50 - SFH 25CR - 100	25	44	53	100	58	M16x1.0	2	2.00	
P2862183CR	CBT50 - SFH 25CR - 130	25	44	53	130	58	M16x1.0	2	-	
P2862219CR	CBT50 - SFH 25CR - 160	25	44	53	160	58	M16x1.0	2	2.40	

\* Resealable type (Thread for plugging screw & screws)  
\*1 Resealable type is not available.

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**



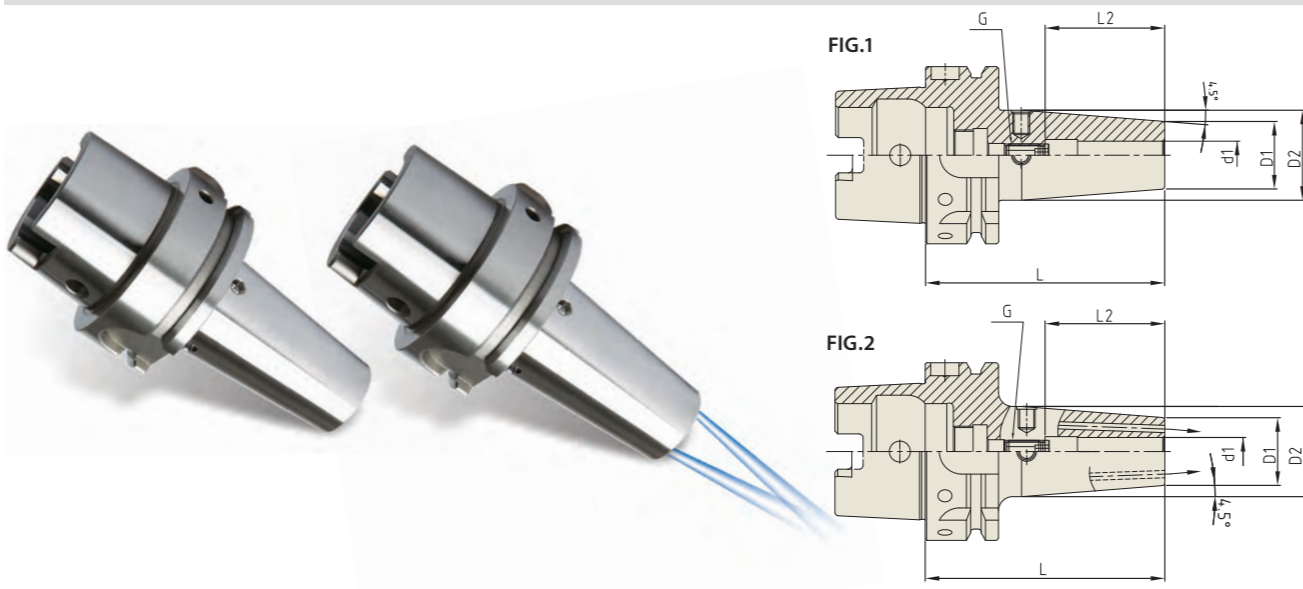
**CBT (BT DUAL CONTACT) (METRIC)**

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
P2863206TW	50	CBT50 - SFH 6C TW - 160	6	21	27	38.8	160	36	M5x0.8	4.12
P2863207TW		CBT50 - SFH 8C TW - 160	8	21	27	38.8	160	36	M6x1.0	4.57
P2863208TW		CBT50 - SFH 10C TW - 160	10	24	32	43.8	160	42	M8x1.0	4.76
P2863209TW		CBT50 - SFH 12C TW - 160	12	24	32	43.8	160	47	M10x1.0	4.74
P2863210TW		CBT50 - SFH 14C TW - 160	14	27	34	45.8	160	47	M10x1.0	4.70
P2863211TW		CBT50 - SFH 16C TW - 160	16	27	34	45.8	160	50	M12x1.0	4.69
P2863212TW		CBT50 - SFH 20C TW - 160	20	33	42	53.8	160	52	M16x1.0	5.17

\* Resealable type available.

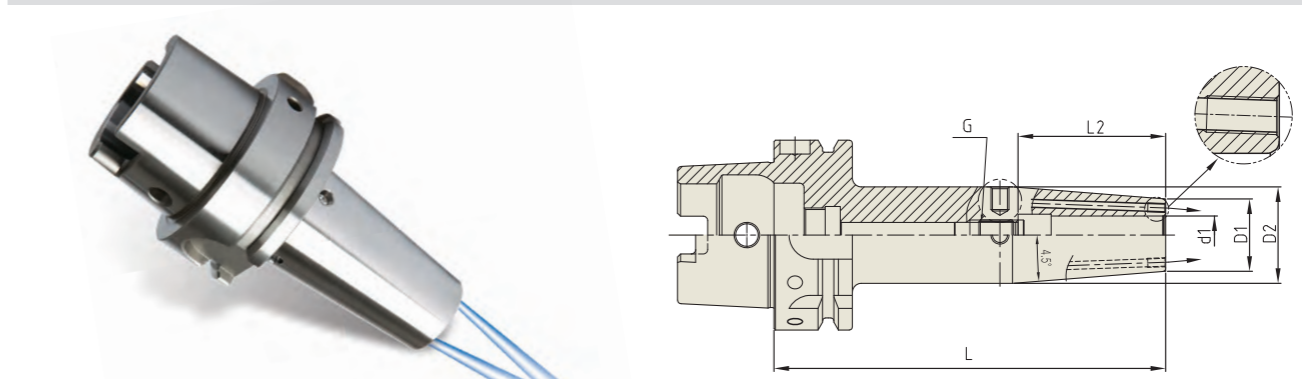
**DUAL CONTACT SHRINK FIT HOLDER**



**DIN 69893/ISO 12164-1-HSK FORM A (Inch)**

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	FIG.
VQ020	63A	HSK63A - SFH 1/8 - 3.15	.125	.394	.728	3.150	.354	-	1
VQ022		HSK63A - SFH 3/16 - 3.15	.188	.394	.728	3.150	.472	-	1
VQ024		HSK63A - SFH 1/4 - 3.15	.250	.827	1.063	3.150	1.417	M5x.8mm	1
VQ026		HSK63A - SFH 1/4 - 6.30	.250	.827	1.063	6.300	1.417	M5x.8mm	1
VQ028		HSK63A - SFH 3/8 - 3.35	.375	.945	1.260	3.346	1.713	M8x1.0mm	1
VQ030		HSK63A - SFH 3/8 - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm	1
VQ032		HSK63A - SFH 1/2 - 3.54	.500	.945	1.260	3.543	1.929	M10x1.0mm	1
VQ034		HSK63A - SFH 1/2 - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm	1
VQ036		HSK63A - SFH 5/8 - 3.74	.625	1.063	1.339	3.740	2.047	M12x1.0mm	1
VQ038		HSK63A - SFH 5/8 - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm	1
VQ040		HSK63A - SFH 3/4 - 3.94	.750	1.299	1.654	3.937	2.126	M16x1.0mm	1
VQ042		HSK63A - SFH 3/4 - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm	1
VQ046		HSK63A - SFH 1.0 - 4.53	1.000	1.732	2.087	4.528	2.362	M16x1.0mm	1
VQ048		HSK63A - SFH 1.0 - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm	1
VQ020J		HSK63A - SFH 1/8C - 3.15	.125	.472	.827	3.150	.354	-	2
VQ022J		HSK63A - SFH 3/16C - 3.15	.188	.472	.827	3.150	.472	-	2
VQ024J		HSK63A - SFH 1/4C - 3.15	.250	.827	1.063	3.150	1.417	M5x.8mm	2
VQ026J		HSK63A - SFH 1/4C - 6.30	.250	.827	1.063	6.300	1.417	M5x.8mm	2
VQ028J		HSK63A - SFH 3/8C - 3.35	.375	.945	1.260	3.350	1.713	M8x1.0mm	2
VQ030J		HSK63A - SFH 3/8C - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm	2
VQ032J		HSK63A - SFH 1/2C - 3.54	.500	.945	1.260	3.540	1.929	M10x1.0mm	2
VQ034J		HSK63A - SFH 1/2C - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm	2
VQ036J		HSK63A - SFH 5/8C - 3.74	.625	1.063	1.339	3.740	2.047	M12x1.0mm	2
VQ038J		HSK63A - SFH 5/8C - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm	2
VQ040J		HSK63A - SFH 3/4C - 3.94	.750	1.299	1.654	3.940	2.126	M16x1.0mm	2
VQ042J		HSK63A - SFH 3/4C - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm	2
VQ046J		HSK63A - SFH 1.0C - 4.53	1.000	1.732	2.087	4.530	2.362	M16x1.0mm	2
VQ048J		HSK63A - SFH 1.0C - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm	2

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**

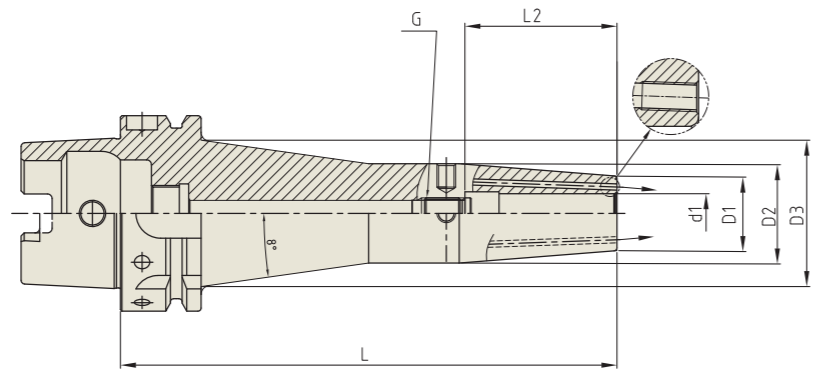


**DIN 69893/ISO 12164-1-HSK FORM A (Inch)**

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VQ301JR	63A	HSK63A - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x0.8mm
VQ302JR		HSK63A - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm
VQ303JR		HSK63A - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm
VQ304JR		HSK63A - SFH 7/16CR - 5.12	.438	.945	1.260	5.120	1.929	M10x1.0mm
VQ305JR		HSK63A - SFH 1/2CR - 5.12	.500	.945	1.260	5.120	1.929	M10x1.0mm
VQ306JR		HSK63A - SFH 5/8CR - 5.12	.625	1.063	1.339	5.120	2.047	M12x1.0mm
VQ307JR		HSK63A - SFH 3/4CR - 5.12	.750	1.299	1.654	5.120	2.126	M16x1.0mm
VQ308JR		HSK63A - SFH 1.0CR - 5.12	1.000	1.732	2.087	5.120	2.362	M16x1.0mm

\* Resealable type (Thread for plugging screw & screws)

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**



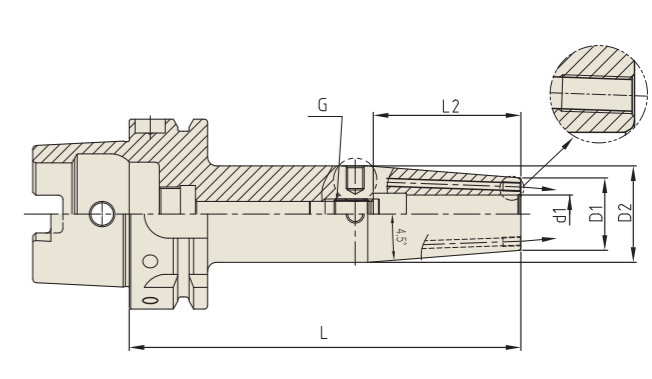
**DIN69893/ISO12164-1 HSK FORM A (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G
<a href="#">VQ026JTW</a>	63A	HSK63A - SFH 1/4CTW - 6.30	.250	.827	1.063	1.661	6.300	1.417	M5x0.8mm
<a href="#">VQ060JTW</a>		HSK63A - SFH 5/16CTW - 6.30	.313	.827	1.063	1.661	6.300	1.417	M6x1.0mm
<a href="#">VQ030JTW</a>		HSK63A - SFH 3/8CTW - 6.30	.375	.945	1.260	1.858	6.300	1.713	M8x1.0mm
<a href="#">VQ062JTW</a>		HSK63A - SFH 7/16CTW - 6.30	.438	.945	1.260	1.858	6.300	1.929	M10x1.0mm
<a href="#">VQ034JTW</a>		HSK63A - SFH 1/2CTW - 6.30	.500	.945	1.260	1.858	6.300	1.929	M10x1.0mm
<a href="#">VQ038JTW</a>		HSK63A - SFH 5/8CTW - 6.30	.625	1.063	1.339	1.937	6.300	2.047	M12x1.0mm

\* Resealable type available. (Thread for plugging screw & screws)

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**



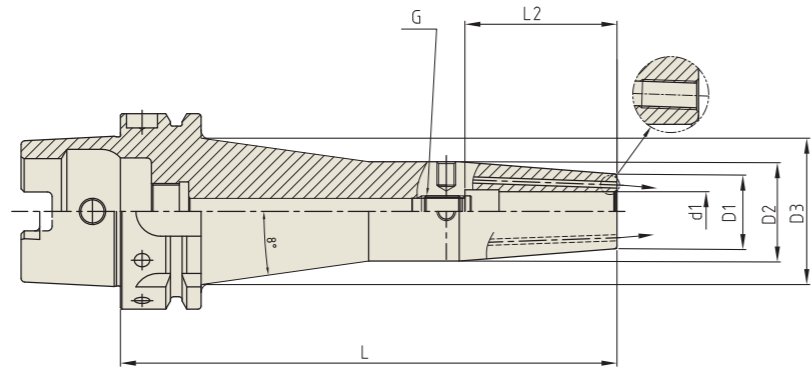
**DIN 69893/ISO 12164-1-HSK FORM A (Metric)**

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT (Kg)
VQ124	63A	HSK63A - SFH 3 - 130 *1	3	10	15	130	10	-	-
VQ125		HSK63A - SFH 4 - 130 *1	4	11	15	130	12	-	-
P2862131C		HSK63A - SFH 3C - 80 *2	3	12	17	80	10	-	-
P2862132C		HSK63A - SFH 4C - 80 *2	4	12	17	80	12	-	-
P2862133C		HSK63A - SFH 5C - 80 *2	5	12	17	80	15	-	-
VQ110JR		HSK63A - SFH 6CR - 80	6	21	27	80	36	M5x0.8	0.83
VQ101JR		HSK63A - SFH 6CR - 130	6	21	27	130	36	M5x0.8	-
VQ111JR		HSK63A - SFH 6CR - 160	6	21	27	160	36	M5x0.8	1.00
VQ112JR		HSK63A - SFH 8CR - 80	8	21	27	80	36	M6x1.0	0.83
VQ102JR		HSK63A - SFH 8CR - 130	8	21	27	130	36	M6x1.0	-
VQ113JR		HSK63A - SFH 8CR - 160	8	21	27	160	36	M6x1.0	1.00
VQ114JR		HSK63A - SFH 10CR - 85	10	24	32	85	42	M8x1.0	0.83
VQ103JR		HSK63A - SFH 10CR - 130	10	24	32	130	42	M8x1.0	-
VQ115JR		HSK63A - SFH 10CR - 160	10	24	32	160	42	M8x1.0	1.00
VQ116JR		HSK63A - SFH 12CR - 90	12	24	32	90	47	M10x1.0	0.83
VQ104JR		HSK63A - SFH 12CR - 130	12	24	32	130	47	M10x1.0	-
VQ117JR		HSK63A - SFH 12CR - 160	12	24	32	160	47	M10x1.0	1.00
VQ118JR		HSK63A - SFH 14CR - 90	14	27	34	90	47	M10x1.0	0.91
VQ105JR		HSK63A - SFH 14CR - 130	14	27	34	130	47	M10x1.0	-
VQ119JR		HSK63A - SFH 14CR - 160	14	27	34	160	47	M10x1.0	1.30
VQ120JR		HSK63A - SFH 16CR - 95	16	27	34	95	50	M12x1.0	0.98
VQ106JR		HSK63A - SFH 16CR - 130	16	27	34	130	50	M12x1.0	-
VQ121JR		HSK63A - SFH 16CR - 160	16	27	34	160	50	M12x1.0	1.40
VQ122JR		HSK63A - SFH 18CR - 95	18	33	42	95	50	M12x1.0	0.98
VQ107JR		HSK63A - SFH 18CR - 130	18	33	42	130	50	M12x1.0	-
VQ123JR		HSK63A - SFH 18CR - 160	18	33	42	160	50	M12x1.0	1.40
VQ124JR		HSK63A - SFH 20CR - 100	20	33	42	100	52	M16x1.0	1.00
VQ108JR		HSK63A - SFH 20CR - 130	20	33	42	130	52	M16x1.0	-
VQ125JR	HSK63A - SFH 20CR - 160	20	33	42	160	52	M16x1.0	1.40	
VQ126JR	HSK63A - SFH 25CR - 115	25	44	53	115	58	M16x1.0	1.40	
VQ109JR	HSK63A - SFH 25CR - 130	25	44	53	130	58	M16x1.0	-	
VQ127JR	HSK63A - SFH 25CR - 160	25	44	53	160	58	M16x1.0	1.80	

\* Resealable type (Thread for plugging screw & screws)  
 \*1 Coolant Through type, without back-up screw & balancing tap  
 \*2 Resealable type is not available, without back-up screw, balancing tap

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**



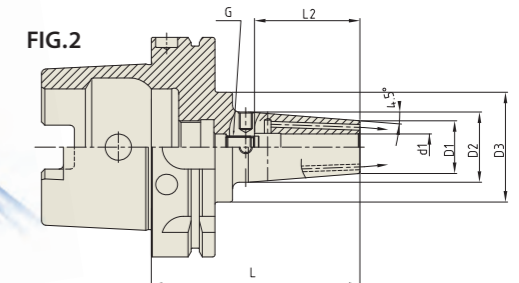
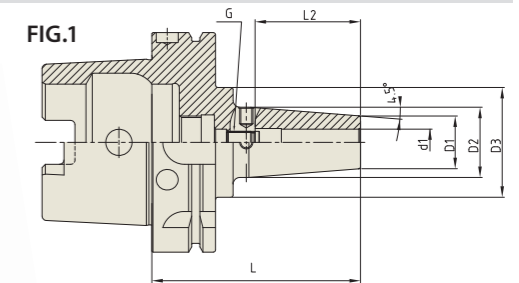
**DIN69893/ISO12164-1 HSK FORM A (Metric)**

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
P2801501TW	63A	HSK63A - SFH 6C TW - 160	6	21	27	42.2	160	36	M5x0.8	1.36
P2801502TW		HSK63A - SFH 8C TW - 160	8	21	27	42.2	160	36	M6x1.0	1.35
P2801503TW		HSK63A - SFH 10C TW - 160	10	24	32	47.2	160	42	M8x1.0	1.56
P2801504TW		HSK63A - SFH 12C TW - 160	12	24	32	47.2	160	47	M10x1.0	1.55
P2801505TW		HSK63A - SFH 14C TW - 160	14	27	34	49.2	160	47	M10x1.0	1.52
P2801506TW		HSK63A - SFH 16C TW - 160	16	27	34	49.2	160	50	M12x1.0	1.64

\* Resealable type available.

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**

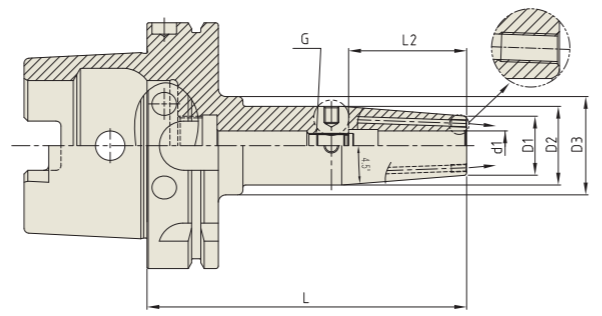


**DIN 69893/ISO 12164-1-HSK FORM A (Inch)**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
<a href="#">VR020</a>	100A	HSK100A - SFH 1/8 - 3.15	.125	.394	.648	1.575	3.150	.354	-	1
<a href="#">VR310</a>		HSK100A - SFH 1/8 - 5.12	.125	.394	.748	1.575	3.150	.354	-	1
<a href="#">VR022</a>		HSK100A - SFH 3/16 - 3.15	.188	.394	.648	1.575	3.150	.472	-	1
<a href="#">VR311</a>		HSK100A - SFH 3/16 - 5.12	.188	.394	.748	1.575	3.150	.472	-	1
<a href="#">VR023</a>		HSK100A - SFH 1/4 - 3.54	.250	.827	1.063	1.575	3.543	1.417	M5x0.8mm	1
<a href="#">VR024</a>		HSK100A - SFH 3/8 - 3.54	.375	.945	1.260	1.575	3.543	1.713	M8x1.0mm	1
<a href="#">VR026</a>		HSK100A - SFH 3/8 - 6.30	.375	.945	1.260	1.575	6.300	1.713	M8x1.0mm	1
<a href="#">VR028</a>		HSK100A - SFH 1/2 - 3.74	.500	.945	1.260	1.575	3.740	1.929	M10x1.0mm	1
<a href="#">VR030</a>		HSK100A - SFH 1/2 - 6.30	.500	.945	1.260	1.575	6.300	1.929	M10x1.0mm	1
<a href="#">VR032</a>		HSK100A - SFH 5/8 - 3.94	.625	1.063	1.339	1.575	3.937	2.047	M12x1.0mm	1
<a href="#">VR034</a>		HSK100A - SFH 5/8 - 6.30	.625	1.063	1.339	1.575	6.300	2.047	M12x1.0mm	1
<a href="#">VR036</a>		HSK100A - SFH 3/4 - 4.13	.750	1.299	1.654	-	4.134	2.126	M16x1.0mm	1
<a href="#">VR038</a>		HSK100A - SFH 3/4 - 6.30	.750	1.299	1.654	-	6.300	2.126	M16x1.0mm	1
<a href="#">VR040</a>		HSK100A - SFH 1.0 - 4.53	1.000	1.732	2.087	-	4.528	2.362	M16x1.0mm	1
<a href="#">VR042</a>		HSK100A - SFH 1.0 - 6.30	1.000	1.732	2.087	-	6.300	2.362	M16x1.0mm	1
<a href="#">VR044</a>		HSK100A - SFH 1 1/4 - 4.72	1.250	1.732	2.087	-	4.724	2.362	M16x1.0mm	1
<a href="#">VR046</a>		HSK100A - SFH 1 1/4 - 6.30	1.250	1.732	2.087	-	6.300	2.362	M16x1.0mm	1
<a href="#">VR023J</a>		HSK100A - SFH 1/4C - 3.54	.250	.827	1.063	1.575	3.540	1.417	M5x0.8mm	2
<a href="#">VR024J</a>		HSK100A - SFH 3/8C - 3.54	.375	.945	1.260	1.575	3.540	1.713	M8x1.0mm	2
<a href="#">VR026J</a>		HSK100A - SFH 3/8C - 6.30	.375	.945	1.260	1.575	6.300	1.713	M8x1.0mm	2
<a href="#">VR028J</a>		HSK100A - SFH 1/2C - 3.74	.500	.945	1.260	1.575	3.740	1.929	M10x1.0mm	2
<a href="#">VR030J</a>		HSK100A - SFH 1/2C - 6.30	.500	.945	1.260	1.575	6.300	1.929	M10x1.0mm	2
<a href="#">VR032J</a>		HSK100A - SFH 5/8C - 3.94	.625	1.063	1.339	1.575	3.940	2.047	M12x1.0mm	2
<a href="#">VR034J</a>		HSK100A - SFH 5/8C - 6.30	.625	1.063	1.339	1.575	6.300	2.047	M12x1.0mm	2
<a href="#">VR036J</a>		HSK100A - SFH 3/4C - 4.13	.750	1.299	1.654	-	4.130	2.126	M16x1.0mm	2
<a href="#">VR038J</a>		HSK100A - SFH 3/4C - 6.30	.750	1.299	1.654	-	6.300	2.126	M16x1.0mm	2
<a href="#">VR040J</a>		HSK100A - SFH 1.0C - 4.53	1.000	1.732	2.087	-	4.530	2.362	M16x1.0mm	2
<a href="#">VR042J</a>		HSK100A - SFH 1.0C - 6.30	1.000	1.732	2.087	-	6.300	2.362	M16x1.0mm	2
<a href="#">VR044J</a>		HSK100A - SFH 1 1/4C - 4.72	1.250	1.732	2.087	-	4.720	2.362	M16x1.0mm	2
<a href="#">VR046J</a>		HSK100A - SFH 1 1/4C - 6.30	1.250	1.732	2.087	-	6.300	2.362	M16x1.0mm	2

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**

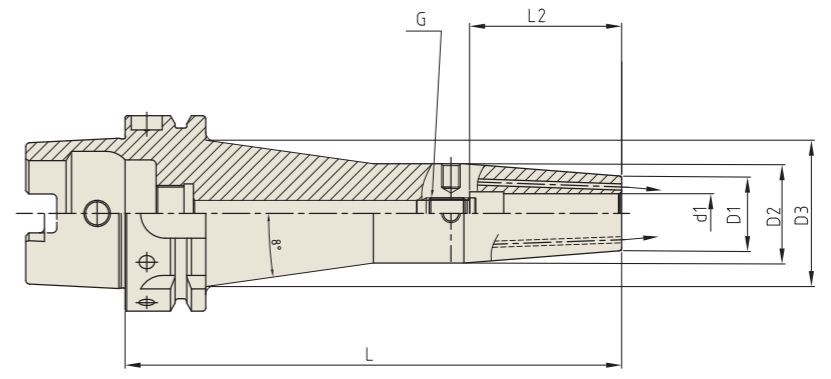


**DIN 69893/ISO 12164-1-HSK FORM A (Inch)**

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
<a href="#">VR301JR</a>	100A	HSK100A - SFH 1/4CR - 5.12	.250	.827	1.063	1.575	5.120	1.417	M5x0.8mm	-
<a href="#">VR302JR</a>		HSK100A - SFH 5/16CR - 5.12	.313	.827	1.063	1.575	5.120	1.417	M6x1.0mm	-
<a href="#">VR303JR</a>		HSK100A - SFH 3/8CR - 5.12	.375	.945	1.260	1.575	5.120	1.713	M8x1.0mm	-
<a href="#">VR304JR</a>		HSK100A - SFH 7/16CR - 5.12	.438	.945	1.260	1.575	5.120	1.929	M10x1.0mm	-
<a href="#">VR305JR</a>		HSK100A - SFH 1/2CR - 5.12	.500	.945	1.260	1.575	5.120	1.929	M10x1.0mm	-
<a href="#">VR306JR</a>		HSK100A - SFH 5/8CR - 5.12	.625	1.063	1.339	1.575	5.120	2.047	M12x1.0mm	-
<a href="#">VR307JR</a>		HSK100A - SFH 3/4CR - 5.12	.750	1.299	1.654	-	5.120	2.126	M16x1.0mm	-
<a href="#">VR308JR</a>		HSK100A - SFH 1.0CR - 5.12	1.000	1.732	2.087	-	5.120	2.362	M16x1.0mm	-
<a href="#">VR309JR</a>		HSK100A - SFH 1 1/4CR - 5.12	1.250	1.732	2.087	-	5.120	2.362	M16x1.0mm	-

\* Resealable type (Thread for plugging screw & screws)

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**

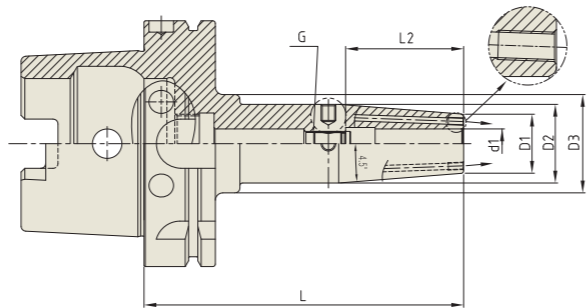


**DIN 69893/ISO 12164-1-HSK FORM A (Inch)**

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
<a href="#">VR060JTW</a>	100A	HSK100A - SFH 1/4CTW - 6.30	.250	.827	1.063	1.626	6.300	1.417	M5x0.8mm	-
<a href="#">VR062JTW</a>		HSK100A - SFH 5/16CTW - 6.30	.313	.827	1.063	1.626	6.300	1.417	M6x1.0mm	-
<a href="#">VR026JTW</a>		HSK100A - SFH 3/8CTW - 6.30	.375	.945	1.260	1.823	6.300	1.713	M8x1.0mm	-
<a href="#">VR064JTW</a>		HSK100A - SFH 7/16C TW - 6.30	.438	.945	1.260	1.823	6.300	1.929	M10x1.0mm	-
<a href="#">VR030JTW</a>		HSK100A - SFH 1/2CTW - 6.30	.500	.945	1.260	1.823	6.300	1.929	M10x1.0mm	-
<a href="#">VR034JTW</a>		HSK100A - SFH 5/8CTW - 6.30	.625	1.063	1.339	1.902	6.300	2.047	M12x1.0mm	-
<a href="#">VR038JTW</a>		HSK100A - SFH 3/4CTW - 6.30	.750	1.299	1.654	2.217	6.300	2.126	M16x1.0mm	-
<a href="#">VR042JTW</a>		HSK100A - SFH 1.0C TW - 6.30	1.000	1.732	2.087	2.638	6.300	2.362	M16x1.0mm	-
<a href="#">VR046JTW</a>		HSK100A - SFH 1 1/4CTW - 6.30	1.250	1.732	2.087	2.638	6.300	2.362	M16x1.0mm	-

\* Resealable type available.

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)**

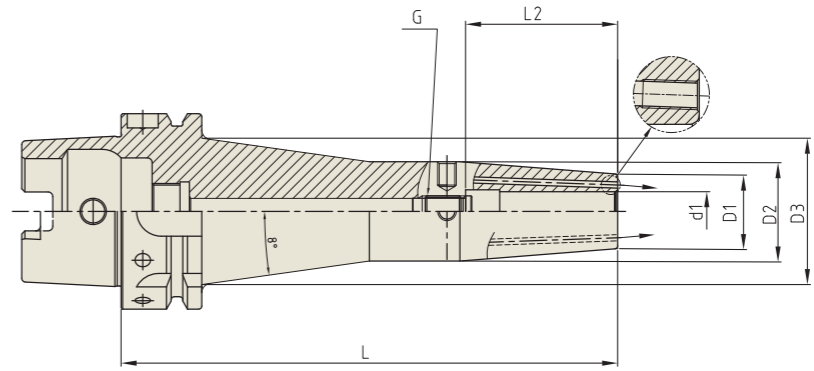


DIN 69893/ISO 12164-1-HSK FORM A (Inch)

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
VR107	100A	HSK100A - SFH 3 - 130 *1	3	10	15	40	130	10	-	-
VR108		HSK100A - SFH 4 - 130 *1	4	11	15	40	130	12	-	-
P2862143C		HSK100A - SFH 3C - 85 *2	3	12	17	40	85	10	-	-
P2862144C		HSK100A - SFH 4C - 85 *2	4	12	17	40	85	12	-	-
P2862145C		HSK100A - SFH 5C - 85 *2	5	12	17	40	85	15	-	-
VR111JR		HSK100A - SFH 6CR - 85	6	21	27	40	85	36	M5x0.8	1.30
VR101JR		HSK100A - SFH 6CR - 130	6	21	27	40	130	36	M5x0.8	-
VR112JR		HSK100A - SFH 6CR - 160	6	21	27	40	160	36	M5x0.8	1.80
VR113JR		HSK100A - SFH 8CR - 85	8	21	27	40	85	36	M6x1.0	1.30
VR102JR		HSK100A - SFH 8CR - 130	8	21	27	40	130	36	M6x1.0	-
VR114JR		HSK100A - SFH 8CR - 160	8	21	27	40	160	36	M6x1.0	1.80
VR115JR		HSK100A - SFH 10CR - 90	10	24	32	40	90	42	M8x1.0	1.30
VR103JR		HSK100A - SFH 10CR - 130	10	24	32	40	130	42	M8x1.0	-
VR116JR		HSK100A - SFH 10CR - 160	10	24	32	40	160	42	M8x1.0	1.80
VR117JR		HSK100A - SFH 12CR - 95	12	24	32	40	95	47	M10x1.0	1.30
VR104JR		HSK100A - SFH 12CR - 130	12	24	32	40	130	47	M10x1.0	-
VR118JR		HSK100A - SFH 12CR - 160	12	24	32	40	160	47	M10x1.0	1.80
VR119JR		HSK100A - SFH 14CR - 95	14	27	34	40	95	47	M10x1.0	1.40
VR105JR		HSK100A - SFH 14CR - 130	14	27	34	40	130	47	M10x1.0	-
VR120JR		HSK100A - SFH 14CR - 160	14	27	34	40	160	47	M10x1.0	1.90
VR121JR		HSK100A - SFH 16CR - 100	16	27	34	40	100	50	M12x1.0	1.40
VR106JR		HSK100A - SFH 16CR - 130	16	27	34	40	130	50	M12x1.0	-
VR122JR		HSK100A - SFH 16CR - 160	16	27	34	40	160	50	M12x1.0	1.90
VR123JR		HSK100A - SFH 18CR - 100	18	33	42	-	100	50	M12x1.0	1.50
VR107JR		HSK100A - SFH 18CR - 130	18	33	42	-	130	50	M12x1.0	-
VR124JR		HSK100A - SFH 18CR - 160	18	33	42	-	160	50	M12x1.0	2.00
VR125JR		HSK100A - SFH 20CR - 100	20	33	42	-	100	52	M16x1.0	1.50
VR108JR		HSK100A - SFH 20CR - 130	20	33	42	-	130	52	M16x1.0	-
VR126JR	HSK100A - SFH 20CR - 160	20	33	42	-	160	52	M16x1.0	2.00	
VR127JR	HSK100A - SFH 25CR - 115	25	44	53	-	115	58	M16x1.0	1.80	
VR109JR	HSK100A - SFH 25CR - 130	25	44	53	-	130	58	M16x1.0	-	
VR128JR	HSK100A - SFH 25CR - 160	25	44	53	-	160	58	M16x1.0	2.30	

\* Resealable type (Thread for plugging screw & screws)  
 \*1 Coolant Through type, without back-up screw & balancing tap  
 \*2 Resealable type is not available, without back-up screw, balancing tap

**DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel & Thick Wall)**

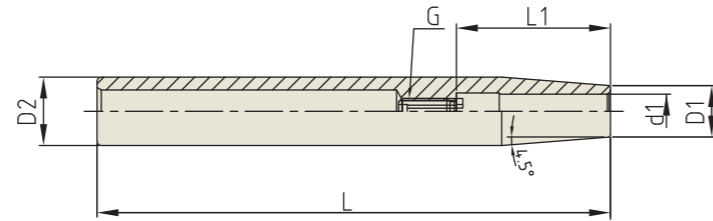


DIN 69893/ISO 12164-1-HSK FORM A (Inch)

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT (Kg)
P2801507TW	100A	HSK100A - SFH 6CTW - 160	6	21	27	41.3	160	36	M5x0.8	2.73
P2801508TW		HSK100A - SFH 8CTW - 160	8	21	27	41.3	160	36	M6x1.0	2.72
P2801509TW		HSK100A - SFH 10CTW - 160	10	24	32	46.3	160	42	M8x1.0	2.92
P2801510TW		HSK100A - SFH 12CTW - 160	12	24	32	46.3	160	47	M10x1.0	2.9
P2801511TW		HSK100A - SFH 14CTW - 160	14	27	34	48.3	160	47	M10x1.0	3.05
P2801512TW		HSK100A - SFH 16CTW - 160	16	27	34	48.3	160	50	M12x1.0	3.03
P2801513TW		HSK100A - SFH 18CTW - 160	18	33	42	56.3	160	50	M12x1.0	3.39
P2801514TW		HSK100A - SFH 20CTW - 160	20	33	42	56.3	160	52	M16x1.0	3.36

\* Resealable type available.

SHRINK FIT EXTENSION

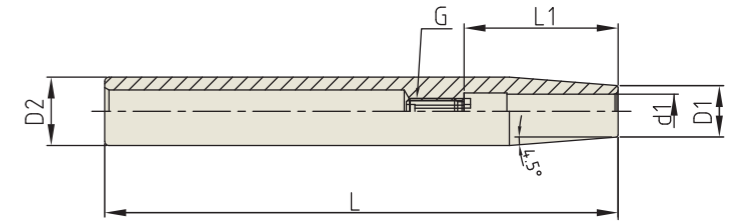


INCH

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	G
<a href="#">VS010</a>	ST1/2	ST 1/2 - SFH 1/8 - 6.30	.125	.394	.500	6.300	.354	-
<a href="#">VS011</a>		ST 1/2 - SFH 3/16 - 6.30	.188	.394	.500	6.300	.472	-
<a href="#">VS012</a>		ST 1/2 - SFH 1/4 - 6.30	.250	.394	.500	6.300	1.417	M5x0.8mm
<a href="#">VS020</a>	ST5/8	ST 5/8 - SFH 1/8 - 6.30	.125	.394	.625	6.300	.354	-
<a href="#">VS021</a>		ST 5/8 - SFH 3/16 - 6.30	.188	.394	.625	6.300	.472	-
<a href="#">VS022</a>		ST 5/8 - SFH 1/4 - 6.30	.250	.394	.625	6.300	1.417	M5x0.8mm
<a href="#">VS023</a>	ST3/4	ST 5/8 - SFH 5/16 - 6.30	.313	.472	.625	6.300	1.417	M6x1.0mm
<a href="#">VS030</a>		ST 3/4 - SFH 1/8 - 6.30	.125	.394	.750	6.300	.354	-
<a href="#">VS031</a>		ST 3/4 - SFH 3/16 - 6.30	.188	.394	.750	6.300	.472	-
<a href="#">VS032</a>	ST3/4	ST 3/4 - SFH 1/4 - 6.30	.250	.551	.750	6.300	1.417	M5x0.8mm
<a href="#">VS033</a>		ST 3/4 - SFH 5/16 - 6.30	.313	.551	.750	6.300	1.417	M6x1.0mm
<a href="#">VS034</a>		ST 3/4 - SFH 3/8 - 6.30	.375	.551	.750	6.300	1.713	M8x1.0mm
<a href="#">VS035</a>	ST1	ST 3/4 - SFH 1/2 - 6.30	.500	.630	.750	6.300	1.929	M10x1.0mm
<a href="#">VS040</a>		ST 1 - SFH 1/8 - 6.30	.125	.394	1.000	6.300	.354	-
<a href="#">VS041</a>		ST 1 - SFH 3/16 - 6.30	.188	.394	1.000	6.300	.472	-
<a href="#">VS042</a>	ST1	ST 1 - SFH 1/4 - 6.30	.250	.551	1.000	6.300	1.417	M5x0.8mm
<a href="#">VS043</a>		ST 1 - SFH 5/16 - 6.30	.313	.551	1.000	6.300	1.417	M6x1.0mm
<a href="#">VS044</a>		ST 1 - SFH 3/8 - 6.30	.375	.787	1.000	6.300	1.713	M8x1.0mm
<a href="#">VS045</a>	ST1-1/4	ST 1 - SFH 1/2 - 6.30	.500	.787	1.000	6.300	1.929	M10x1.0mm
<a href="#">VS046</a>		ST 1 - SFH 5/8 - 6.30	.625	.866	1.000	6.300	2.008	M12x1.0mm
<a href="#">VS050</a>		ST 1 - 1/4 - SFH 1/8 - 6.30	.125	.394	1.250	6.300	.354	-
<a href="#">VS051</a>	ST1-1/4	ST 1 - 1/4 - SFH 3/16 - 6.30	.188	.394	1.250	6.300	.472	-
<a href="#">VS052</a>		ST 1 - 1/4 - SFH 1/4 - 6.30	.250	.551	1.250	6.300	1.417	M5x0.8mm
<a href="#">VS053</a>		ST 1 - 1/4 - SFH 5/16 - 6.30	.313	.551	1.250	6.300	1.417	M6x1.0mm
<a href="#">VS054</a>		ST 1 - 1/4 - SFH 3/8 - 6.30	.375	.945	1.250	6.300	1.713	M8x1.0mm
<a href="#">VS055</a>		ST 1 - 1/4 - SFH 1/2 - 6.30	.500	.945	1.250	6.300	1.929	M10x1.0mm
<a href="#">VS056</a>		ST 1 - 1/4 - SFH 5/8 - 6.30	.625	1.063	1.250	6.300	2.008	M12x1.0mm
<a href="#">VS057</a>		ST 1 - 1/4 - SFH 3/4 - 6.30	.750	1.063	1.250	6.300	2.087	M16x1.0mm

SHRINK FIT EXTENSION



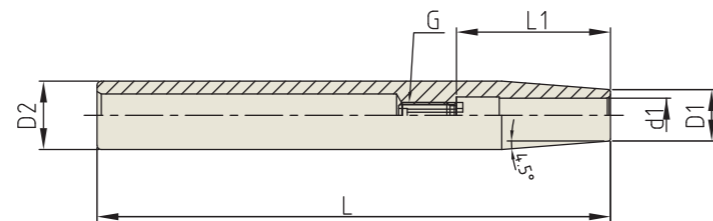
METRIC (STANDARD)

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	G
<a href="#">VS010M</a>	12	ST12 - SFH3 - 120	3	8	12	120	10	-
<a href="#">VS011M</a>		ST12 - SFH4 - 120	4	8	12	120	12	-
<a href="#">VS012M</a>		ST12 - SFH5 - 120	5	10	12	120	15	-
<a href="#">VS013M</a>	16	ST12 - SFH6 - 120	6	10	12	120	36	M5x0.8
<a href="#">VS020M</a>		ST16 - SFH3 - 120	3	10	16	120	10	-
<a href="#">VS021M</a>		ST16 - SFH4 - 120	4	10	16	120	12	-
<a href="#">VS022M</a>	16	ST16 - SFH5 - 120	5	10	16	120	15	-
<a href="#">VS023M</a>		ST16 - SFH6 - 120	6	10	16	120	36	M5x0.8
<a href="#">VS024M</a>		ST16 - SFH8 - 120	8	12	16	120	36	M6x1.0
<a href="#">VS030M</a>	20	ST20 - SFH3 - 120	3	10	20	120	10	-
<a href="#">VS031M</a>		ST20 - SFH4 - 120	4	10	20	120	12	-
<a href="#">VS032M</a>		ST20 - SFH5 - 120	5	10	20	120	15	-
<a href="#">VS033M</a>		ST20 - SFH6 - 120	6	10	20	120	36	M5x0.8
<a href="#">VS034M</a>		ST20 - SFH8 - 120	8	12	20	120	36	M6x1.0
<a href="#">VS035M</a>		ST20 - SFH10 - 120	10	14	20	120	43	M8x1.0
<a href="#">VS036M</a>		ST20 - SFH12 - 120	12	16	20	120	48	M10x1.0



**SHRINK FIT EXTENSION**



**METRIC (EXTENDED)**

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	G
<a href="#">VS110M</a>	12	ST12 - SFH 3 - 160	3	8	12	160	10	-
<a href="#">VS111M</a>		ST12 - SFH 4 - 160	4	8	12	160	12	-
<a href="#">VS112M</a>		ST12 - SFH 5 - 160	5	10	12	160	15	-
<a href="#">VS113M</a>		ST12 - SFH 6 - 160	6	10	12	160	36	M5x0.8
<a href="#">VS210M</a>	16	ST16 - SFH 3 - 160	3	10	16	160	10	-
<a href="#">VS211M</a>		ST16 - SFH 4 - 160	4	10	16	160	12	-
<a href="#">VS212M</a>		ST16 - SFH 5 - 160	5	10	16	160	15	-
<a href="#">VS213M</a>		ST16 - SFH 6 - 160	6	10	16	160	36	M5x0.8
<a href="#">VS214M</a>	20	ST16 - SFH 8 - 160	8	12	16	160	36	M6x1.0
<a href="#">VS310M</a>		ST20 - SFH 3 - 160	3	10	20	160	10	-
<a href="#">VS311M</a>		ST20 - SFH 4 - 160	4	10	20	160	12	-
<a href="#">VS312M</a>		ST20 - SFH 5 - 160	5	10	20	160	15	-
<a href="#">VS313M</a>	25	ST20 - SFH 6 - 160	6	10	20	160	36	M5x0.8
<a href="#">VS314M</a>		ST20 - SFH 8 - 160	8	12	20	160	36	M6x1.0
<a href="#">VS315M</a>		ST20 - SFH 10 - 160	10	14	20	160	43	M8x1.0
<a href="#">VS316M</a>		ST20 - SFH 12 - 160	12	16	20	160	48	M10x1.0
<a href="#">VS410M</a>	32	ST25 - SFH 3 - 160	3	10	25	160	10	-
<a href="#">VS411M</a>		ST25 - SFH 4 - 160	4	10	25	160	12	-
<a href="#">VS412M</a>		ST25 - SFH 5 - 160	5	15	25	160	15	-
<a href="#">VS413M</a>		ST25 - SFH 6 - 160	6	20	25	160	36	M5x0.8
<a href="#">VS414M</a>		ST25 - SFH 8 - 160	8	20	25	160	36	M6x1.0
<a href="#">VS415M</a>		ST25 - SFH 10 - 160	10	20	25	160	43	M8x1.0
<a href="#">VS416M</a>		ST25 - SFH 12 - 160	12	20	25	160	48	M10x1.0
<a href="#">VS417M</a>		ST25 - SFH 14 - 160	14	20	25	160	48	M10x1.0
<a href="#">VS418M</a>	ST25 - SFH 16 - 160	16	22	25	160	51	M12x1.0	
<a href="#">VS510M</a>	32	ST32 - SFH 6 - 160	6	20	32	160	36	M5x0.8
<a href="#">VS511M</a>		ST32 - SFH 8 - 160	8	20	32	160	36	M6x1.0
<a href="#">VS512M</a>		ST32 - SFH 10 - 160	10	24	32	160	43	M8x1.0
<a href="#">VS513M</a>		ST32 - SFH 12 - 160	12	24	32	160	48	M10x1.0
<a href="#">VS514M</a>		ST32 - SFH 14 - 160	14	27	32	160	48	M10x1.0
<a href="#">VS515M</a>		ST32 - SFH 16 - 160	16	27	32	160	51	M12x1.0
<a href="#">VS516M</a>		ST32 - SFH 18 - 160	18	27	32	160	51	M12x1.0
<a href="#">VS517M</a>		ST32 - SFH 20 - 160	20	27	32	160	53	M16x1.0

**YG-1 TOOLING SYSTEM**

**END MILL HOLDER &  
SIDE LOCK ARBOR**

STUB, STANDARD, EXTENDED, COOLANT CHANNEL,  
SIDE LOCK ARBOR



**END MILL HOLDER**

CAT : ASME B5.50-2009

CCT : CAT DUAL CONTACT

BT : JIS B6339/MAS 403-BT/ISO7388-2

CBT : BT DUAL CONTACT

HSK : DIN69893/ISO12164-1

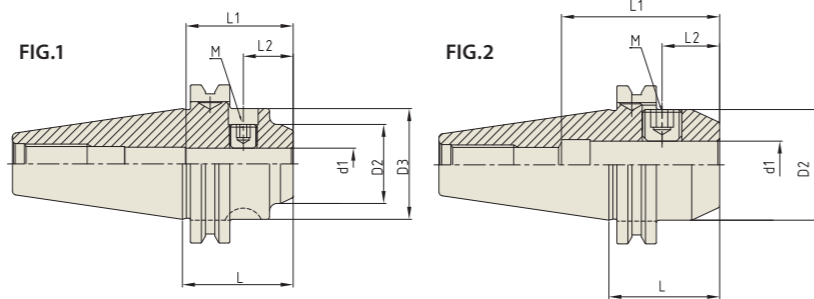
**ACCESSORY & PART**

SIDE LOCK BOLT

# YG END MILL HOLDER & SIDE LOCK ARBOR

CAT

## END MILL HOLDER



ASME B5.50-2009-CAT (Inch)

Set screws for End Mill Holders  
Refer to page D118



■ STUB

Unit : inch

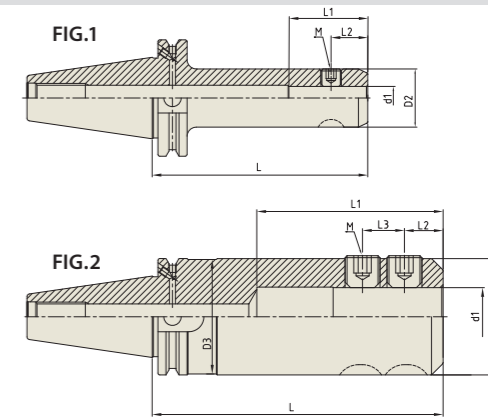
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.
<a href="#">AK206</a>	40	CAT40 - EMH 1/2 - 1.75	.500	1.250	1.750	1.750	1.690	.790	-	UNF 7/16-20 3/8L	1
<a href="#">AK208</a>		CAT40 - EMH 5/8 - 1.75	.630	1.500	1.750	1.750	1.930	.880	-	UNF 1/2-20 1/2L	1
<a href="#">AK210</a>		CAT40 - EMH 3/4 - 1.75	.750	1.750	-	1.750	2.050	.910	-	UNF 5/8-18 1/2L	2
<a href="#">AK214</a>		CAT40 - EMH 1.0 - 1.75	1.00	1.750	-	1.750	2.170	.830	-	UNF 3/4-16 3/8L	2
<a href="#">AK217</a>		CAT40 - EMH 1 1/4 - 2.00	1.25	2.250	-	2.000	2.220	.830	-	UNF 3/4-16 1/2L	2

\* High balanced End Mill Holders on page 1356-1357.

# YG END MILL HOLDER & SIDE LOCK ARBOR

CAT

## END MILL HOLDER



ASME B5.50-2009-CAT (Inch)

Set screws for End Mill Holders  
Refer to page D118



■ STANDARD

Unit : inch

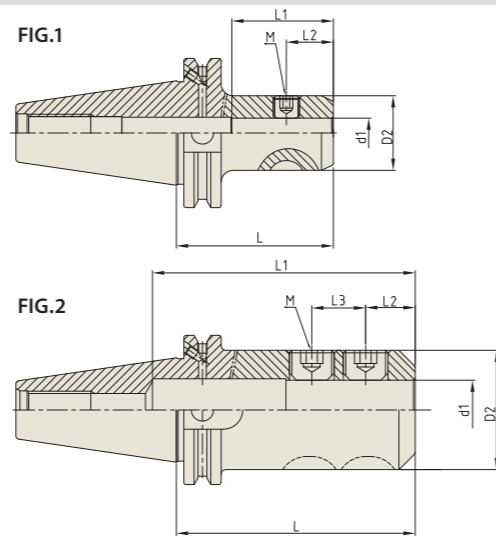
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.
<a href="#">AK000B</a>	40	CAT40 AD/B - EMH 1/8 - 2.50	.130	.690	-	2.500	.591	.295	-	UNC#8-32 1/4L	1
<a href="#">AK001B</a>		CAT40 AD/B - EMH 3/16 - 2.50	.190	.690	-	2.500	.787	.441	-	UNC#10-32 1/4L	1
<a href="#">AK002B</a>		CAT40 AD/B - EMH 1/4 - 2.50	.250	.780	-	2.500	1.299	.598	-	UNF1/4-28 1/4L	1
<a href="#">AK003B</a>		CAT40 AD/B - EMH 5/16 - 2.50	.310	.880	-	2.500	1.358	.630	-	UNF5/16-24 1/4L	1
<a href="#">AK004B</a>		CAT40 AD/B - EMH 3/8 - 2.50	.380	1.000	-	2.500	1.417	.630	-	UNF3/8-24 5/16L	1
<a href="#">AK005B</a>		CAT40 AD/B - EMH 7/16 - 2.50	.440	1.130	-	2.500	1.417	.630	-	UNF3/8-24 25/64L	1
<a href="#">AK006B</a>		CAT40 AD/B - EMH 1/2 - 2.63	.500	1.250	-	2.500	1.693	.787	-	UNF7/16-20 3/8L	1
<a href="#">AK008B</a>		CAT40 AD/B - EMH 5/8 - 3.75	.630	1.500	-	2.500	3.600	.881	-	UNF1/2-20 1/2L	1
<a href="#">AK010B</a>		CAT40 AD/B - EMH 3/4 - 3.75	.750	1.750	-	2.500	3.900	.909	-	UNF5/8-18 1/2L	1
<a href="#">AK012B</a>		CAT40 AD/B - EMH 7/8 - 4.00	.880	1.880	-	3.500	4.200	.650	.811	UNF5/8-18 1/2L	2
<a href="#">AK014B</a>		CAT40 AD/B - EMH 1.0 - 4.00	1.000	2.000	-	3.750	4.400	.831	.902	UNF3/4-16 1/2L	2
<a href="#">AK017B</a>		CAT40 AD/B - EMH 1 1/4 - 4.25	1.250	2.500	2.461	3.750	4.000	.831	.902	UNF3/4-16 11/16L	2
<a href="#">AK021B</a>		CAT40 AD/B - EMH 1 1/2 - 4.63	1.500	2.500	2.461	4.250	3.978	.881	1.063	UNF3/4-16 1/2L	2
<a href="#">AL002B</a>		50	CAT50 AD/B - EMH 1/4 - 2.50	.250	.780	-	2.500	1.299	.598	-	UNF1/4-28 1/4L
<a href="#">AL003B</a>	CA50 AD/B - EMH 5/16 - 2.50		.310	.880	-	2.500	1.358	.630	-	UNF5/16-24 1/4L	1
<a href="#">AL004B</a>	CAT50 AD/B - EMH 3/8 - 2.50		.380	1.000	-	2.500	1.417	.630	-	UNF3/8-24 5/16L	1
<a href="#">AL005B</a>	CAT50 AD/B - EMH 7/16 - 2.63		.440	1.130	-	2.630	1.417	.630	-	UNF3/8-24 25/64L	1
<a href="#">AL006B</a>	CAT50 AD/B - EMH 1/2 - 2.63		.500	1.250	-	2.630	1.693	.787	-	UNF7/16-20 3/8L	1
<a href="#">AL008B</a>	CAT50 AD/B - EMH 5/8 - 3.75		.630	1.500	-	3.750	1.929	.881	-	UNF1/2-20 1/2L	1
<a href="#">AL010B</a>	CAT50 AD/B - EMH 3/4 - 3.75		.750	1.750	-	3.750	2.047	.909	-	UNF5/8-18 1/2L	1
<a href="#">AL012B</a>	CAT50 AD/B - EMH 7/8 - 3.75		.880	1.880	-	3.750	4.200	.650	.811	UNF5/8-18 1/2L	2
<a href="#">AL014B</a>	CAT50 AD/B - EMH 1.0 - 4.00		1.000	2.000	-	4.000	4.400	.831	.902	UNF3/4-16 1/2L	2
<a href="#">AL017B</a>	CAT50 AD/B - EMH 1 1/4 - 4.00		1.250	2.500	-	4.000	4.000	.831	.902	UNF3/4-16 11/16L	2
<a href="#">AL021B</a>	CAT50 AD/B - EMH 1 1/2 - 4.00		1.500	2.500	-	4.000	3.978	.881	1.063	UNF3/4-16 1/2L	2
<a href="#">AL029B</a>	CAT50 AD/B - EMH 2.0 - 5.63		2.000	3.750	-	5.630	5.000	1.299	1.358	UNS1-14 7/8L	2

\* High balanced End Mill Holders are available on request.

# YG END MILL HOLDER & SIDE LOCK ARBOR

CAT

## END MILL HOLDER



ASME B5.50-2009-CAT (Inch)

Set screws for End Mill Holders Refer to page D118



■ EXTENDED

Unit : inch

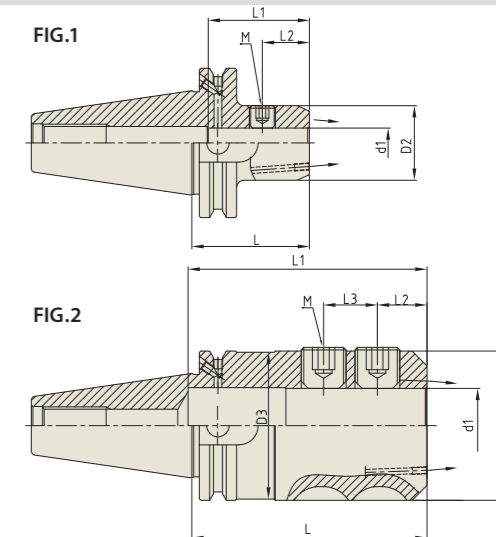
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
<a href="#">AK104B</a>	40	CAT40 AD/B - EMH 3/8 - 4.50	.375	1.000	-	4.500	1.417	.630	-	UNF3/8-24 5/16L	1	
<a href="#">AK106B</a>		CAT40 AD/B - EMH 1/2 - 4.63	.500	1.250	-	4.630	1.693	.787	-	UNF7/16-20 3/8L	1	
<a href="#">AK108B</a>		CAT40 AD/B - EMH 5/8 - 5.75	.625	1.500	-	5.750	3.600	.881	-	UNF1/2-20 1/2L	1	
<a href="#">AK110B</a>		CAT40 AD/B - EMH 3/4 - 5.75	.750	1.750	-	5.750	3.900	.909	-	UNF5/8-18 1/2L	1	
<a href="#">AK112B</a>		CAT40 AD/B - EMH 7/8 - 6.00	.875	1.880	-	6.000	4.200	.650	.811	UNF5/8-18 1/2L	2	
<a href="#">AK114B</a>		CAT40 AD/B - EMH 1.0 - 6.00	1.000	2.000	-	6.000	4.400	.831	.902	UNF3/4-16 1/2L	2	
<a href="#">AK117B</a>		CAT40 AD/B - EMH 1 1/4 - 6.25	1.250	2.500	2.461	6.250	4.000	.831	.902	UNF3/4-16 11/16L	2	
<a href="#">AK121B</a>		CAT40 AD/B - EMH 1 1/2 - 6.63	1.500	2.500	2.461	6.630	3.978	.881	1.063	UNF3/4-16 1/2L	2	
<a href="#">AL104B</a>		50	CAT50 AD/B - EMH 3/8 - 4.50	.375	1.000	-	4.500	1.417	.630	-	UNF3/8-24 5/16L	1
<a href="#">AL106B</a>			CAT50 AD/B - EMH 1/2 - 4.63	.500	1.250	-	4.630	1.693	.787	-	UNF7/16-20 3/8L	1
<a href="#">AL108B</a>	CAT50 AD/B - EMH 5/8 - 5.75		.625	1.500	-	5.750	3.449	.881	-	UNF1/2-20 1/2L	1	
<a href="#">AL110B</a>	CAT50 AD/B - EMH 3/4 - 5.75		.750	1.750	-	5.750	3.203	.909	-	UNF5/8-18 1/2L	1	
<a href="#">AL112B</a>	CAT50 AD/B - EMH 7/8 - 5.75		.875	1.880	-	5.750	4.200	.650	.811	UNF5/8-18 1/2L	2	
<a href="#">AL114B</a>	CAT50 AD/B - EMH 1.0 - 6.00		1.000	2.000	-	6.000	4.400	.831	.902	UNF3/4-16 1/2L	2	
<a href="#">AL117B</a>	CAT50 AD/B - EMH 1 1/4 - 6.00		1.250	2.500	-	6.000	4.000	.831	.902	UNF3/4-16 11/16L	2	
<a href="#">AL121B</a>	CAT50 AD/B - EMH 1 1/2 - 6.00		1.500	2.500	-	6.000	3.978	.881	1.063	UNF3/4-16 1/2L	2	
<a href="#">AL129B</a>	CAT50 AD/B - EMH 2.0 - 7.63		2.000	3.750	-	7.630	5.000	1.299	1.358	UNS1-14 7/8L	2	

\* High balanced End Mill Holders are available on request.

# YG END MILL HOLDER & SIDE LOCK ARBOR

CAT

## END MILL HOLDER (Coolant Channel Type)



ASME B5.50-2009-CAT (Inch)

Set screws for End Mill Holders Refer to page D118



Unit : inch

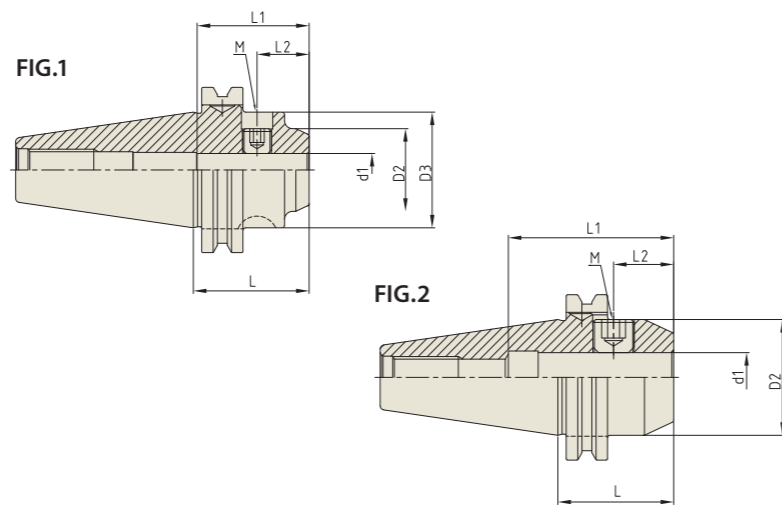
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
<a href="#">AK002C</a>	40	CAT40 AD/B - EMH 1/4C - 1.97	.250	.780	-	1.969	1.299	.598	-	UNF1/4-28 1/4L	1	
<a href="#">AK003C</a>		CAT40 AD/B - EMH 5/16C - 1.97	.313	.880	-	1.969	1.359	.630	-	UNF5/16-24 1/4L	1	
<a href="#">AK004C</a>		CAT40 AD/B - EMH 3/8C - 1.97	.375	1.000	-	1.969	1.417	.630	-	UNF3/8-24 5/16L	1	
<a href="#">AK005C</a>		CAT40 AD/B - EMH 1/2C - 1.97	.500	1.250	-	1.969	1.693	.787	-	UNF7/16-20 3/8L	1	
<a href="#">AK008C</a>		CAT40 AD/B - EMH 5/8C - 2.48	.625	1.500	-	2.480	3.600	.882	-	UNF1/2-20 1/2L	1	
<a href="#">AK010C</a>		CAT40 AD/B - EMH 3/4C - 2.48	.750	1.750	-	2.480	3.900	.909	-	UNF5/8-18 1/2L	1	
<a href="#">AK012C</a>		CAT40 AD/B - EMH 1.0C - 3.94	1.000	2.000	-	3.937	4.400	.831	.902	UNF3/4-16 1/2L	2	
<a href="#">AK017C</a>		CAT40 AD/B - EMH 1 1/4C - 3.94	1.250	2.500	2.461	3.937	4.000	.831	.902	UNF3/4-16 11/16L	2	
<a href="#">AL002C</a>		50	CAT50 AD/B - EMH 1/4C - 2.48	.250	.780	-	2.480	1.299	.591	-	UNF1/4-28 1/4L	1
<a href="#">AL003C</a>			CAT50 AD/B - EMH 5/16C - 2.48	.313	.880	-	2.480	1.358	.630	-	UNF5/16-24 1/4L	1
<a href="#">AL004C</a>	CAT50 AD/B - EMH 3/8C - 2.48		.375	1.000	-	2.480	1.417	.630	-	UNF3/8-24 5/16L	1	
<a href="#">AL005C</a>	CAT50 AD/B - EMH 1/2C - 2.48		.500	1.250	-	2.480	1.693	.787	-	UNF3/8-24 25/64L	1	
<a href="#">AL008C</a>	CAT50 AD/B - EMH 5/8C - 2.48		.625	1.500	-	2.480	1.890	.882	-	UNF1/2-20 1/2L	1	
<a href="#">AL010C</a>	CAT50 AD/B - EMH 3/4C - 2.48		.750	1.750	-	2.480	1.925	.909	-	UNF5/8-18 1/2L	1	
<a href="#">AL012C</a>	CAT50 AD/B - EMH 1.0C - 3.15		1.000	2.000	-	3.150	4.400	.831	.902	UNF3/4-16 1/2L	2	
<a href="#">AL017C</a>	CAT50 AD/B - EMH 1 1/4C - 3.94		1.250	2.500	-	3.937	4.000	.831	.902	UNF3/4-16 11/16L	2	

\* High balanced End Mill Holders are available on request.

Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

**HIGH BALANCED END MILL HOLDER**



**ASME B5.50-2009-CAT (Inch)**

Set screws for End Mill Holders  
Refer to page D118

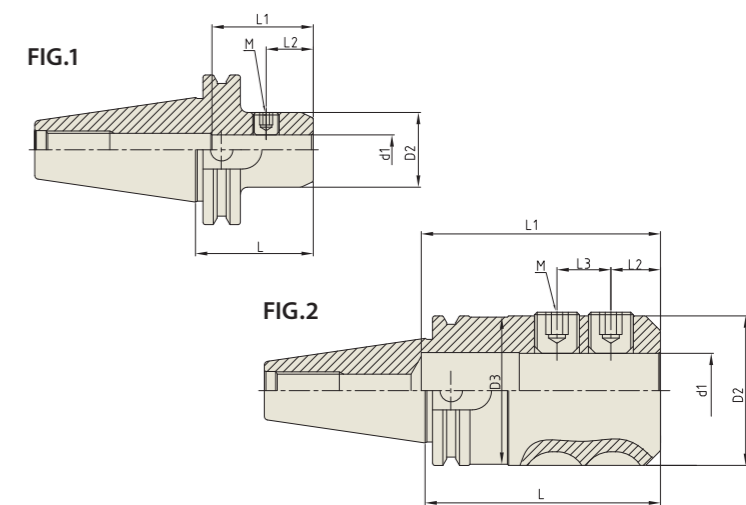


■ **STUB**

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	M	FIG.
<a href="#">AK206B25</a>	40	CAT40 - EMH 1/2 - 1.75	.500	1.250	1.750	1.750	1.693	.787	UNF7/16-20 3/8L	1
<a href="#">AK208B25</a>		CAT40 - EMH 5/8 - 1.75	.625	1.500	1.750	1.750	1.929	.882	UNF1/2-20 1/2L	1
<a href="#">AK210B25</a>		CAT40 - EMH 3/4 - 1.75	.750	1.750	-	1.750	2.047	.909	UNF5/8-18 1/2L	2
<a href="#">AK214B25</a>		CAT40 - EMH 1.0 - 1.75	1.000	1.750	-	1.750	2.165	.831	UNF3/4-16 3/8L	2
<a href="#">AK217B25</a>		CAT40 - EMH 1 1/4 - 2.00	1.250	2.250	-	2.000	2.221	.831	UNF3/4-16 1/2L	2

**HIGH BALANCED END MILL HOLDER**



**ASME B5.50-2009-CAT (Inch)**

Set screws for End Mill Holders  
Refer to page D118



■ **STANDARD**

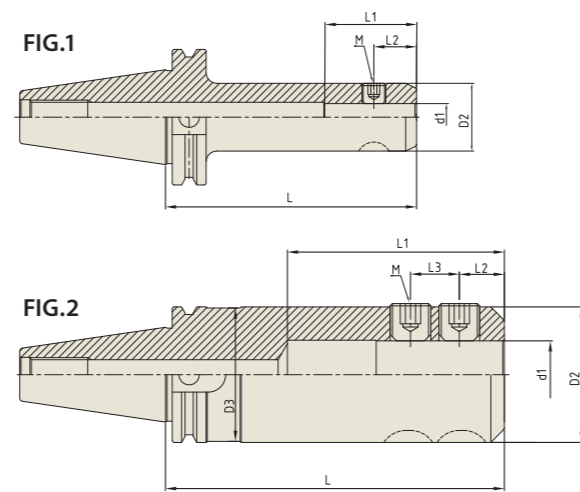
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
<a href="#">AK000B25</a>	40	CAT40 - EMH 1/8 - 2.50	.125	.690	-	2.500	.591	.295	-	UNC#8-32 1/4L	1	
<a href="#">AK001B25</a>		CAT40 - EMH 3/16 - 2.50	.187	.690	-	2.500	.787	.441	-	UNC#10-32 1/4L	1	
<a href="#">AK002B25</a>		CAT40 - EMH 1/4 - 2.50	.250	.780	-	2.500	1.299	.598	-	UNF1/4-28 1/4L	1	
<a href="#">AK003B25</a>		CAT40 - EMH 5/16 - 2.50	.312	.880	-	2.500	1.358	.630	-	UNF5/16-24 1/4L	1	
<a href="#">AK004B25</a>		CAT40 - EMH 3/8 - 2.50	.375	1.000	-	2.500	1.417	.630	-	UNF3/8-24 5/16L	1	
<a href="#">AK005B25</a>		CAT40 - EMH 7/16 - 2.50	.437	1.130	-	2.500	1.417	.630	-	UNF3/8-24 25/64L	1	
<a href="#">AK006B25</a>		CAT40 - EMH 1/2 - 2.63	.500	1.250	-	2.500	1.693	.787	-	UNF7/16-20 3/8L	1	
<a href="#">AK008B25</a>		CAT40 - EMH 5/8 - 3.75	.625	1.500	-	2.500	3.600	.881	-	UNF1/2-20 1/2L	1	
<a href="#">AK010B25</a>		CAT40 - EMH 3/4 - 3.75	.750	1.750	-	2.500	3.900	.909	-	UNF5/8-18 1/2L	1	
<a href="#">AK012B25</a>		CAT40 - EMH 7/8 - 4.00	.875	1.880	-	3.500	4.200	.650	.811	UNF5/8-18 1/2L	2	
<a href="#">AK014B25</a>		CAT40 - EMH 1.0 - 4.00	1.000	2.000	-	3.750	4.400	.831	.902	UNF3/4-16 1/2L	2	
<a href="#">AK017B25</a>		CAT40 - EMH 1 1/4 - 4.25	1.250	2.500	2.461	3.750	4.000	.831	.902	UNF3/4-16 11/16L	2	
<a href="#">AK021B25</a>		CAT40 - EMH 1 1/2 - 4.63	1.500	2.500	2.461	4.250	3.978	.881	1.063	UNF3/4-16 1/2L	2	
<a href="#">AL002B25</a>		50	CAT50 - EMH 1/4 - 2.50	.250	.780	-	2.500	1.299	.598	-	UNF1/4-28 1/4L	1
<a href="#">AL003B25</a>			CAT50 - EMH 5/16 - 2.50	.312	.880	-	2.500	1.358	.630	-	UNF5/16-24 1/4L	1
<a href="#">AL004B25</a>			CAT50 - EMH 3/8 - 2.50	.375	1.000	-	2.500	1.417	.630	-	UNF3/8-24 5/16L	1
<a href="#">AL005B25</a>			CAT50 - EMH 7/16 - 2.63	.437	1.130	-	2.630	1.417	.630	-	UNF3/8-24 25/64L	1
<a href="#">AL006B25</a>	CAT50 - EMH 1/2 - 2.63		.500	1.250	-	2.630	1.693	.787	-	UNF7/16-20 3/8L	1	
<a href="#">AL008B25</a>	CAT50 - EMH 5/8 - 3.75		.625	1.500	-	3.750	3.449	.881	-	UNF1/2-20 1/2L	1	
<a href="#">AL010B25</a>	CAT50 - EMH 3/4 - 3.75		.750	1.750	-	3.750	3.203	.909	-	UNF5/8-18 1/2L	1	
<a href="#">AL012B25</a>	CAT50 - EMH 7/8 - 3.75		.875	1.880	-	3.750	4.200	.650	.811	UNF5/8-18 1/2L	2	
<a href="#">AL014B25</a>	CAT50 - EMH 1.0 - 4.00		1.000	2.000	-	4.000	4.400	.831	.902	UNF3/4-16 1/2L	2	
<a href="#">AL017B25</a>	CAT50 - EMH 1 1/4 - 4.00		1.250	2.500	-	4.000	4.000	.831	.902	UNF3/4-16 11/16L	2	
<a href="#">AL021B25</a>	CAT50 - EMH 1 1/2 - 4.00		1.500	2.500	-	4.000	3.978	.881	1.063	UNF3/4-16 1/2L	2	
<a href="#">AL029B25</a>	CAT50 - EMH 2.0 - 5.63		2.000	3.750	-	5.630	5.000	1.299	1.358	UNS1-14 7/8L	2	

# YG END MILL HOLDER & SIDE LOCK ARBOR

CAT

## HIGH BALANCED END MILL HOLDER



Set screws for End Mill Holders Refer to page D118



### ASME B5.50-2009-CAT (Inch)

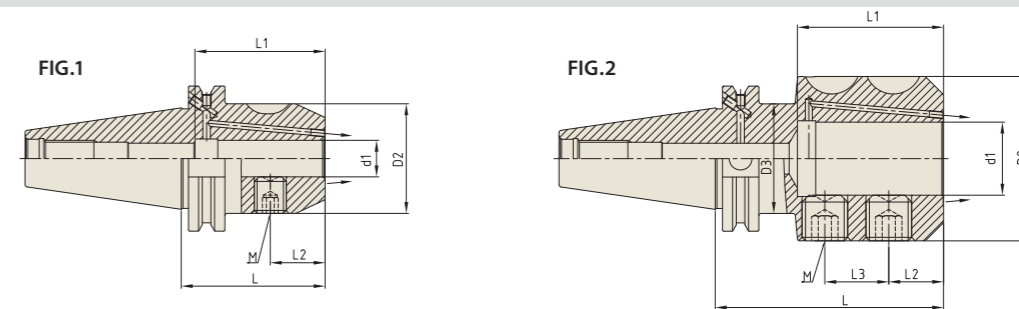
#### EXTENDED

EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	Unit : inch	
AK104B25	40	CAT40 - EMH 3/8 - 4.50	.375	1.000	-	4.500	1.417	.630	-	UNF3/8-24 5/16L	1		
AK106B25		CAT40 - EMH 1/2 - 4.63	.500	1.250	-	4.630	1.693	.787	-	UNF7/16-20 3/8L	1		
AK108B25		CAT40 - EMH 5/8 - 5.75	.625	1.500	-	5.750	3.600	.882	-	UNF1/2-20 1/2L	1		
AK110B25		CAT40 - EMH 3/4 - 5.75	.750	1.750	-	5.750	3.900	.909	-	UNF5/8-18 1/2L	1		
AK112B25		CAT40 - EMH 7/8 - 6.00	.875	1.880	-	6.000	4.200	.650	.811	UNF5/8-18 1/2L	2		
AK114B25		CAT40 - EMH 1.0 - 6.00	1.000	2.000	-	6.000	4.636	.831	.902	UNF3/4-16 1/2L	2		
AK117B25		CAT40 - EMH 1 1/4 - 6.25	1.250	2.500	2.461	6.250	4.000	.831	.902	UNF3/4-16 11/16L	2		
AK121B25		CAT40 - EMH 1 1/2 - 6.63	1.500	2.500	2.461	6.630	3.976	.882	1.063	UNF3/4-16 1/2L	2		
AL104B25		50	CAT50 - EMH 3/8 - 4.50	.375	1.000	-	4.500	1.417	.630	-	UNF3/8-24 5/16L	1	
AL106B25			CAT50 - EMH 1/2 - 4.63	.500	1.250	-	4.630	1.693	.787	-	UNF7/16-20 3/8L	1	
AL108B25	CAT50 - EMH 5/8 - 5.75		.625	1.500	-	5.750	3.449	.881	-	UNF1/2-20 1/2L	1		
AL110B25	CAT50 - EMH 3/4 - 5.75		.750	1.750	-	5.750	3.203	.909	-	UNF5/8-18 1/2L	1		
AL112B25	CAT50 - EMH 7/8 - 5.75		.875	1.880	-	5.750	4.200	.650	.811	UNF5/8-18 1/2L	2		
AL114B25	CAT50 - EMH 1.0 - 6.00		1.000	2.000	-	6.000	4.400	.831	.902	UNF3/4-16 1/2L	2		
AL117B25	CAT50 - EMH 1 1/4 - 6.00		1.250	2.500	-	6.000	4.000	.831	.902	UNF3/4-16 11/16L	2		
AL121B25	CAT50 - EMH 1 1/2 - 6.00		1.500	2.500	-	6.000	3.978	.881	1.063	UNF3/4-16 1/2L	2		
AL129B25	CAT50 - EMH 2.0 - 7.63		2.000	3.750	-	7.630	5.000	1.299	1.358	UNS1-14 7/8L	2		

# YG END MILL HOLDER & SIDE LOCK ARBOR

CAT

## END MILL HOLDER (COOLANT CHANNEL TYPE)



Set screws for End Mill Holders Refer to page D118



### ASME B5.50-2009-CAT (Metric)

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT(Kg)
AK311B15C	40	CAT40 AD/B - EMH 6C - 50	6	25	50	35	18	-	M6	1	0.86
AK312B15C		CAT40 AD/B - EMH 8C - 50	8	28	50	35	18	-	M8	1	0.89
AK313B15C		CAT40 AD/B - EMH 10C - 50	10	35	50	39	20	-	M10	1	0.95
AK314B15C		CAT40 AD/B - EMH 12C - 50	12	42	50	36	22.5	-	M12	1	1.03
AK315B15C		CAT40 AD/B - EMH 14C - 50	14	44	50	48	22.5	-	M12	1	1.26
AK316B15C		CAT40 AD/B - EMH 16C - 63	16	48	63	54	24	-	M14	1	1.28
AK317B15C		CAT40 AD/B - EMH 18C - 63	18	50	63	54	24	-	M14	1	1.35
AK318B15C		CAT40 AD/B - EMH 20C - 63	20	52	63	55	25	-	M16	1	1.28
AK319B15C		CAT40 AD/B - EMH 25C - 100	25	65	100	69	24	25	M18	2	2.28
AK320B15C		CAT40 AD/B - EMH 32C - 100	32	72	100	64	24	28	M20	2	2.50
AL311B15C	50	CAT50 AD/B - EMH 6C - 63	6	25	63	35	18	-	M6	1	2.70
AL312B15C		CAT50 AD/B - EMH 8C - 63	8	28	63	35	18	-	M8	1	2.70
AL313B15C		CAT50 AD/B - EMH 10C - 63	10	35	63	39	20	-	M10	1	2.90
AL314B15C		CAT50 AD/B - EMH 12C - 63	12	42	63	46	22.5	-	M12	1	2.90
AL315B15C		CAT50 AD/B - EMH 14C - 63	14	44	63	46	22.5	-	M12	1	2.90
AL316B15C		CAT50 AD/B - EMH 16C - 63	16	48	63	46	24	-	M14	1	3.00
AL317B15C		CAT50 AD/B - EMH 18C - 63	18	50	63	46	24	-	M14	1	3.00
AL318B15C		CAT50 AD/B - EMH 20C - 63	20	52	63	56	25	-	M16	1	3.05
AL319B15C		CAT50 AD/B - EMH 25C - 80	25	65	80	60	24	25	M18	2	3.73
AL320B15C		CAT50 AD/B - EMH 32C - 100	32	72	100	64	24	28	M20	2	4.53
AL321B15C	CAT50 AD/B - EMH 40C - 120	40	80	120	74	30	32	M20	2	4.77	
AL322B15C	CAT50 AD/B - EMH 50C - 125	50	100	125	84	35	35	M24	2	7.03	

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Adapter

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

Stub Arbor

Slitting Saw Arbor

Pull Stud & Tool Clamp

TECHNICAL INFORMATION

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Adapter

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

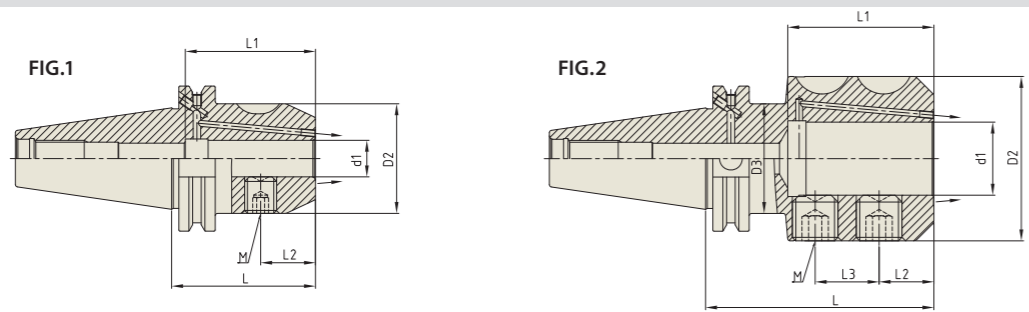
Stub Arbor

Slitting Saw Arbor

Pull Stud & Tool Clamp

TECHNICAL INFORMATION

**HIGH BALANCED END MILL HOLDER (COOLANT CHANNEL TYPE)**

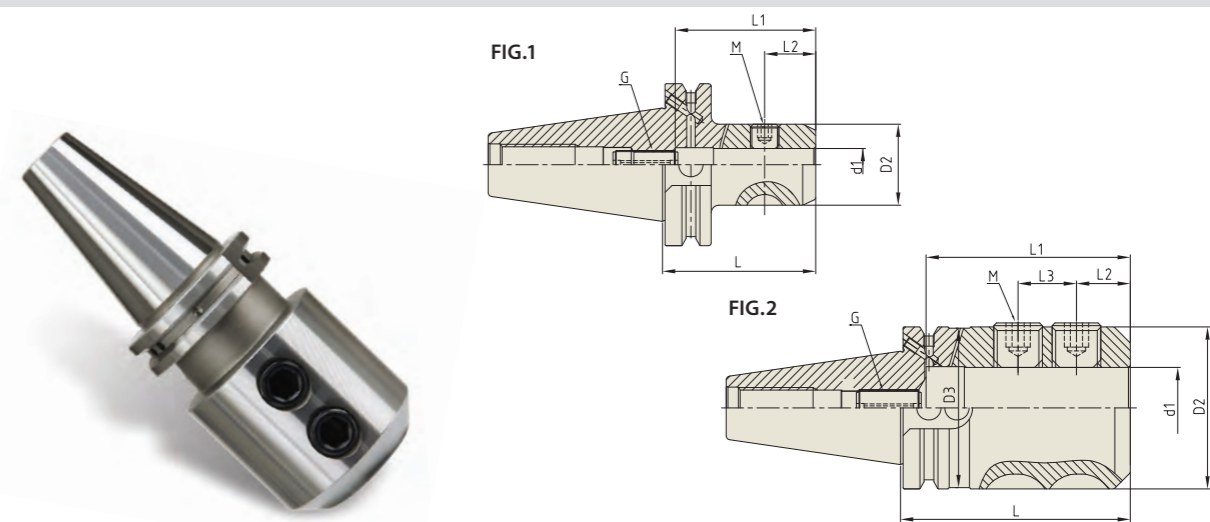


**ASME B5.50-2009-CAT (Metric)** Set screws for End Mill Holders Refer to page D118

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT(Kg)
AK311B25C	40	CAT40 AD/B - EMH 6C - 50	6	25	50	35	18	-	M6	1	0.86
AK312B25C		CAT40 AD/B - EMH 8C - 50	8	28	50	35	18	-	M8	1	0.89
AK313B25C		CAT40 AD/B - EMH 10C - 50	10	35	50	39	20	-	M10	1	0.95
AK314B25C		CAT40 AD/B - EMH 12C - 50	12	42	50	46	22.5	-	M12	1	1.03
AK315B25C		CAT40 AD/B - EMH 14C - 50	14	44	50	48	22.5	-	M12	1	1.26
AK316B25C		CAT40 AD/B - EMH 16C - 63	16	48	63	54	24	-	M14	1	1.28
AK317B25C		CAT40 AD/B - EMH 18C - 63	18	50	63	54	24	-	M14	1	1.35
AK318B25C		CAT40 AD/B - EMH 20C - 63	20	52	63	55	25	-	M16	1	1.28
AK319B25C		CAT40 AD/B - EMH 25C - 100	25	65	100	59	24	25	M18	2	2.28
AK320B25C		CAT40 AD/B - EMH 32C - 100	32	72	100	64	24	28	M20	2	2.50
AL311B25C	50	CAT50 AD/B - EMH 6C - 63	6	25	63	35	18	-	M6	1	2.70
AL312B25C		CAT50 AD/B - EMH 8C - 63	8	28	63	35	18	-	M8	1	2.70
AL313B25C		CAT50 AD/B - EMH 10C - 63	10	35	63	39	20	-	M10	1	2.90
AL314B25C		CAT50 AD/B - EMH 12C - 63	12	42	63	46	22.5	-	M12	1	2.90
AL315B25C		CAT50 AD/B - EMH 14C - 63	14	44	63	46	22.5	-	M12	1	2.90
AL316B25C		CAT50 AD/B - EMH 16C - 63	16	48	63	46	24	-	M14	1	3.00
AL317B25C		CAT50 AD/B - EMH 18C - 63	18	50	63	46	24	-	M14	1	3.00
AL318B25C		CAT50 AD/B - EMH 20C - 63	20	52	63	56	25	-	M16	1	3.05
AL319B25C		CAT50 AD/B - EMH 25C - 80	25	65	80	60	24	25	M18	2	3.73
AL320B25C		CAT50 AD/B - EMH 32C - 100	32	72	100	64	24	28	M20	2	4.53
AL321B25C		CAT50 AD/B - EMH 40C - 120	40	80	120	74	30	32	M20	2	4.77
AL322B25C		CAT50 AD/B - EMH 50C - 125	50	100	125	84	35	35	M24	2	7.03

**DUAL CONTACT SIDE LOCK ARBOR**



**CCT (CAT DUAL CONTACT) (Inch)** Set screws for End Mill Holders Refer to page D118

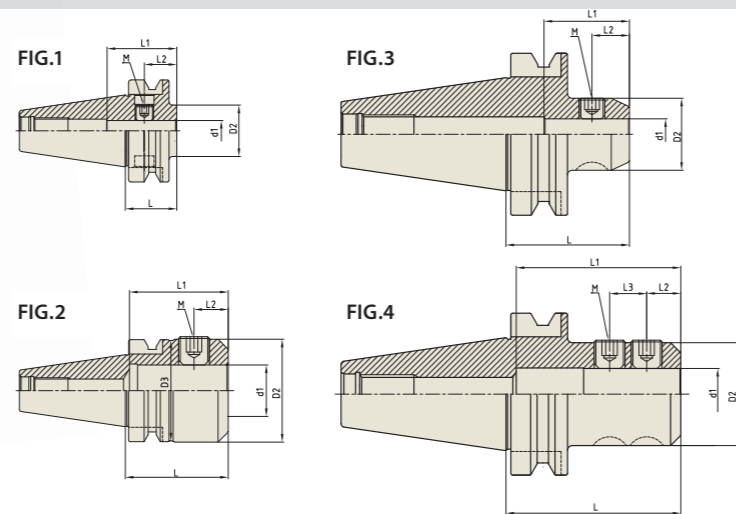
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	G	FIG.	
AB020	40	CCT40 AD/B - SLA 1/4 - 2.36	.250	.780	-	2.362	1.378	.598	-	UNF1/4-28 1/4L	UNF#10-32 3/4L	1	
AB022		CCT40 AD/B - SLA 5/16 - 2.36	.313	.880	-	2.362	1.378	.630	-	UNF5/16-24 1/4L	UNF1/4-28 3/4L	1	
AB024		CCT40 AD/B - SLA 3/8 - 2.36	.375	1.000	-	2.362	1.969	.630	-	UNF3/8-24 5/16L	UNF5/16-24 3/4L	1	
AB026		CCT40 AD/B - SLA 1/2 - 2.36	.500	1.250	-	2.362	2.165	.787	-	UNF7/16-20 3/8L	UNF7/16-16 1.0L	1	
AB028		CCT40 AD/B - SLA 5/8 - 3.54	.625	1.500	-	3.543	2.756	.882	-	UNF1/2-20 1/2L	UN9/16-16 1.0L	1	
AB030		CCT40 AD/B - SLA 3/4 - 3.54	.750	1.750	-	3.543	2.756	.909	-	UNF5/8-18 1/2L	UN9/16-16 1.0L	1	
AB032		CCT40 AD/B - SLA 1.0 - 3.54	1.000	2.000	-	3.543	2.756	.831	.902	UNF3/4-16 1/2L	UN9/16-16 1.0L	2	
AB034		CCT40 AD/B - SLA 1 1/4 - 3.54	1.250	2.500	2.461	3.543	3.150	.831	.902	UNF3/4-16 1/2L	UN9/16-16 1.0L	2	
AC020		50	CCT50 AD/B - SLA 1/4 - 3.54	.250	.780	-	3.543	1.378	.598	-	UNF1/4-28 1/4L	UNF#10-32 3/4L	1
AC022			CCT50 AD/B - SLA 5/16 - 3.54	.313	.880	-	3.543	1.378	.630	-	UNF5/16-24 1/4L	UNF1/4-28 3/4L	1
AC024			CCT50 AD/B - SLA 3/8 - 3.54	.375	1.000	-	3.543	1.969	.630	-	UNF3/8-24 5/16L	UNF5/16-24 3/4L	1
AC026			CCT50 AD/B - SLA 1/2 - 3.54	.500	1.250	-	3.543	2.165	.787	-	UNF7/16-20 3/8L	UNF7/16-16 1.0L	1
AC028			CCT50 AD/B - SLA 5/8 - 4.13	.625	1.500	-	4.134	2.756	.882	-	UNF1/2-20 1/2L	UN9/16-16 1.0L	1
AC030			CCT50 AD/B - SLA 3/4 - 4.13	.750	1.750	-	4.134	2.756	.909	-	UNF5/8-18 1/2L	UN9/16-16 1.0L	1
AC032	CCT50 AD/B - SLA 1.0 - 4.13		1.000	2.000	-	4.134	2.756	.831	.902	UNF3/4-16 1/2L	UN9/16-16 1.0L	2	
AC034	CCT50 AD/B - SLA 1 1/4 - 4.13		1.250	2.500	-	4.134	3.150	.831	.902	UNF3/4-16 1/2L	UN9/16-16 1.0L	2	

# YMG END MILL HOLDER & SIDE LOCK ARBOR

BT

## END MILL HOLDER



### JIS B6339/MAS 403-BT (Inch)

Set screws for End Mill Holders Refer to page D118



STUB												Unit : inch
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AH206	40	BT40 - EMH 1/2 - 1.25	.500	1.250	-	1.250	1.693	.787	-	UNF7/16-20 3/8L	1	
AH208		BT40 - EMH 5/8 - 1.38	.625	1.500	-	1.380	2.400	.866	-	UNF1/2-20 1/2L	1	
AH210		BT40 - EMH 3/4 - 1.44	.750	1.750	-	1.440	2.500	.909	-	UNF5/8-18 1/2L	1	
AH214		BT40 - EMH 1.0 - 2.50	1.000	2.000	-	2.500	2.500	.831	-	UNF3/4-16 1/2L	1	
AH217		BT40 - EMH 1 1/4 - 2.50	1.250	2.500	2.441	2.500	2.500	.831	-	UNF3/4-16 11/16L	2	

STANDARD												Unit : inch
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AI002	50	BT50 - EMH 1/4 - 3.00	.250	.780	-	3.000	1.299	.598	-	UNF1/4-28 1/4L	3	
AI004		BT50 - EMH 3/8 - 3.00	.375	1.000	-	3.000	1.417	.630	-	UNF3/8-24 5/16L	3	
AI006		BT50 - EMH 1/2 - 3.00	.500	1.250	-	3.000	1.693	.787	-	UNF7/16-20 3/8L	3	
AI008		BT50 - EMH 5/8 - 3.00	.625	1.500	-	3.000	1.929	.882	-	UNF1/2-20 1/2L	3	
AI010		BT50 - EMH 3/4 - 3.00	.750	1.750	-	3.000	2.047	.909	-	UNF5/8-18 1/2L	3	
AI012		BT50 - EMH 7/8 - 4.00	.875	1.880	-	4.000	4.200	.650	-	UNF5/8-18 1/2L	4	
AI014		BT50 - EMH 1.0 - 4.25	1.000	2.000	-	4.250	4.636	.831	.902	UNF3/4-16 1/2L	4	
AI017		BT50 - EMH 1 1/4 - 4.25	1.250	2.500	-	4.250	4.000	.831	.902	UNF3/4-16 11/16L	4	
AI021		BT50 - EMH 1 1/2 - 4.25	1.500	2.500	-	4.250	3.976	.882	1.063	UNF3/4-16 1/2L	4	
AI029		BT50 - EMH 2.0 - 5.00	2.000	3.750	-	5.000	5.000	1.299	1.358	UNS1-14 7/8L	4	

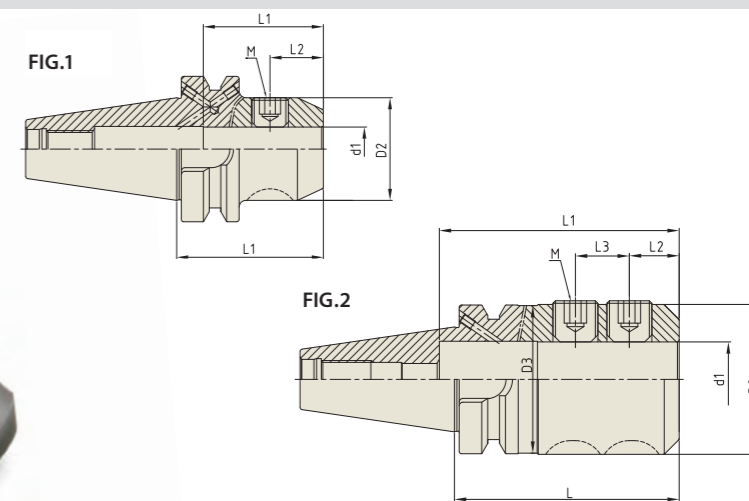
EXTENDED												Unit : inch
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AI104	50	BT50 - EMH 3/8 - 6.00	.375	1.000	-	6.000	1.417	.630	-	UNF3/8-24 5/16L	3	
AI106		BT50 - EMH 1/2 - 6.00	.500	1.250	-	6.000	1.693	.787	-	UNF7/16-20 3/8L	3	
AI108		BT50 - EMH 5/8 - 6.00	.625	1.500	-	6.000	1.929	.882	-	UNF1/2-20 1/2L	3	
AI110		BT50 - EMH 3/4 - 6.00	.750	1.750	-	6.000	2.047	.909	-	UNF5/8-18 1/2L	3	
AI112		BT50 - EMH 7/8 - 6.00	.875	1.880	-	6.000	4.200	.650	-	UNF5/8-18 1/2L	4	
AI114		BT50 - EMH 1.0 - 6.00	1.000	2.000	-	6.000	4.636	.831	.902	UNF3/4-16 1/2L	4	
AI117		BT50 - EMH 1 1/4 - 6.00	1.250	2.500	-	6.000	4.000	.831	.902	UNF3/4-16 11/16L	4	
AI121		BT50 - EMH 1 1/2 - 6.00	1.500	2.500	-	6.000	3.976	.882	1.063	UNF3/4-16 1/2L	4	
AI129		BT50 - EMH 2.0 - 6.00	2.000	3.750	-	6.000	5.000	1.299	1.358	UNS1-14 7/8L	4	

\* High balanced End Mill Holders on page 1356-1357.

# YMG END MILL HOLDER & SIDE LOCK ARBOR

BT

## END MILL HOLDER



### JIS B6339/MAS 403-BT (Inch)

Set screws for End Mill Holders Refer to page D118



STANDARD												Unit : inch
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AH000B	40	BT40 AD/B - EMH 1/8 - 2.50	.125	.690	-	2.500	.591	.295	-	UNC#8-32 1/4L	1	
AH001B		BT40 AD/B - EMH 3/16 - 2.50	.187	.690	-	2.500	.787	.441	-	UNC#10-32 1/4L	1	
AH002B		BT40 AD/B - EMH 1/4 - 2.50	.250	.780	-	2.500	1.299	.598	-	UNF1/4-28 1/4L	1	
AH003B		BT40 AD/B - EMH 5/16 - 2.50	.312	.880	-	2.500	1.358	.630	-	UNF5/16-24 1/4L	1	
AH004B		BT40 AD/B - EMH 3/8 - 2.50	.375	1.000	-	2.500	1.417	.630	-	UNF3/8-24 5/16L	1	
AH005B		BT40 AD/B - EMH 7/16 - 2.50	.437	1.130	-	2.500	1.417	.630	-	UNF3/8-24 25/64L	1	
AH006B		BT40 AD/B - EMH 1/2 - 2.50	.500	1.250	-	2.500	1.693	.787	-	UNF7/16-20 3/8L	1	
AH008B		BT40 AD/B - EMH 5/8 - 2.50	.625	1.500	-	2.500	3.600	.881	-	UNF1/2-20 1/2L	1	
AH010B		BT40 AD/B - EMH 3/4 - 2.50	.750	1.750	-	2.500	3.900	.909	-	UNF5/8-18 1/2L	1	
AH012B		BT40 AD/B - EMH 7/8 - 3.50	.875	1.880	-	3.500	4.200	.650	.811	UNF5/8-18 1/2L	2	
AH014B		BT40 AD/B - EMH 1.0 - 3.75	1.000	2.000	-	3.750	4.400	.831	.902	UNF3/4-16 1/2L	2	
AH017B		BT40 AD/B - EMH 1 1/4 - 3.75	1.250	2.500	2.461	3.750	4.000	.831	.902	UNF3/4-16 11/16L	2	
AH021B		BT40 AD/B - EMH 1 1/2 - 4.25	1.500	2.500	2.461	4.250	3.978	.881	1.063	UNF3/4-16 1/2L	2	

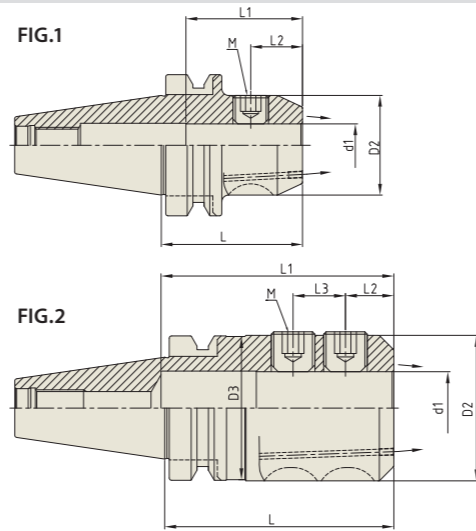
EXTENDED												Unit : inch
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AH104B	40	BT40 AD/B - EMH 3/8 - 4.00	.375	1.000	-	4.000	1.417	.630	-	UNF3/8-24 5/16L	1	
AH106B		BT40 AD/B - EMH 1/2 - 4.00	.500	1.250	-	4.000	1.693	.787	-	UNF7/16-20 3/8L	1	
AH108B		BT40 AD/B - EMH 5/8 - 4.00	.625	1.500	-	4.000	3.600	.881	-	UNF1/2-20 1/2L	1	
AH110B		BT40 AD/B - EMH 3/4 - 4.00	.750	1.750	-	4.000	2.047	.909	-	UNF5/8-18 1/2L	1	
AH114B		BT40 AD/B - EMH 1.0 - 5.00	1.000	2.000	-	5.000	4.400	.831	.902	UNF3/4-16 1/2L	2	
AH117B		BT40 AD/B - EMH 1 1/4 - 5.00	1.250	2.500	2.461	5.000	4.000	.831	.902	UNF3/4-16 11/16L	2	
AH121B		BT40 AD/B - EMH 1 1/2 - 6.00	1.500	2.500	2.461	6.000	3.978	.881	1.063	UNF3/4-16 1/2L	2	

\* High balanced End Mill Holders are available on request.

# YG END MILL HOLDER & SIDE LOCK ARBOR

BT

## END MILL HOLDER (COOLANT CHANNEL TYPE)



JIS B6339/MAS 403-BT (Inch)

Set screws for End Mill Holders Refer to page D118



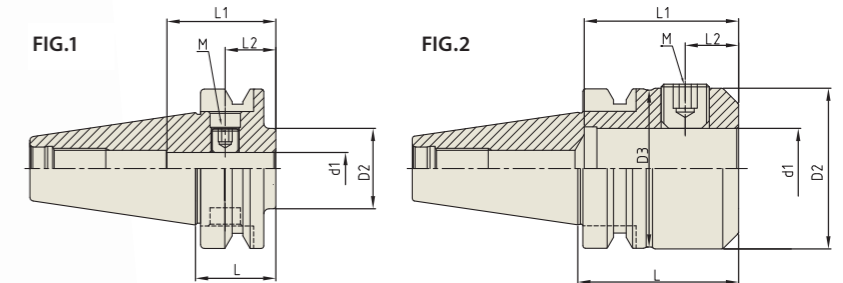
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.
AH002C	40	BT40 AD/B - EMH 1/4C - 1.97	.250	.780	-	1.969	1.299	.598	-	UNF1/4-28 1/4L	1
AH003C		BT40 AD/B - EMH 5/16C - 1.97	.313	.880	-	1.969	1.358	.630	-	UNF5/16-24 1/4L	1
AH004C		BT40 AD/B - EMH 3/8C - 2.48	.375	1.000	-	2.480	1.417	.630	-	UNF3/8-24 5/16L	1
AH006C		BT40 AD/B - EMH 1/2C - 2.48	.500	1.250	-	2.480	1.693	.787	-	UNF7/16-20 3/8L	1
AH008C		BT40 AD/B - EMH 5/8C - 2.48	.625	1.500	-	2.480	3.600	.882	-	UNF1/2-20 1/2L	1
AH010C		BT40 AD/B - EMH 3/4C - 2.48	.750	1.750	-	2.480	3.900	.909	-	UNF5/8-18 1/2L	1
AH012C		BT40 AD/B - EMH 1C - 3.54	1.000	2.000	-	3.543	4.400	.831	.902	UNF3/4-16 1/2L	2
AH014C		BT40 AD/B - EMH 1 1/4C - 3.94	1.250	2.500	2.461	3.937	4.000	.831	.902	UNF3/4-16 11/16L	2

\* High balanced End Mill Holders are available on request.

# YG END MILL HOLDER & SIDE LOCK ARBOR

BT

## HIGH BALANCED END MILL HOLDER



JIS B6339/MAS 403-BT (Inch)

Set screws for End Mill Holders Refer to page D118



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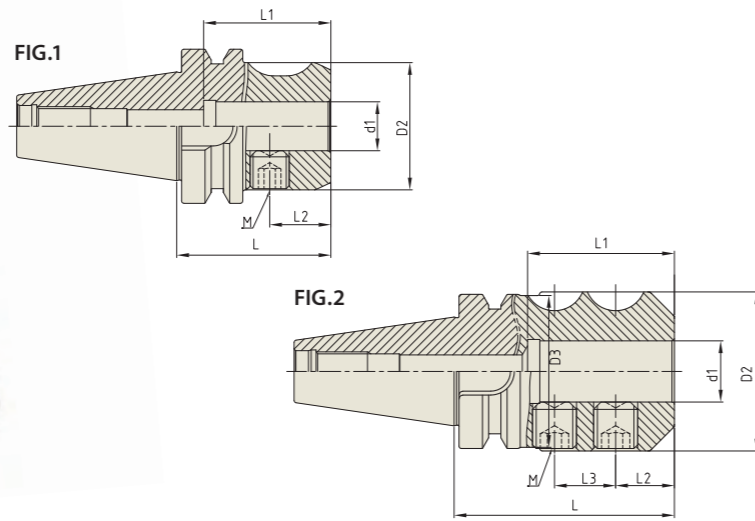
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	M	FIG.
AH206B25	40	BT40 - EMH 1/2 - 1.25	.500	1.250	-	1.250	1.693	.787	UNF7/16-20 3/8L	1
AH208B25		BT40 - EMH 5/8 - 1.38	.625	1.500	-	1.380	2.400	.866	UNF1/2-20 1/2L	1
AH210B25		BT40 - EMH 3/4 - 1.44	.750	1.750	-	1.440	2.500	.909	UNF5/8-18 1/2L	1
AH214B25		BT40 - EMH 1.0 - 2.50	1.000	2.000	-	2.500	2.500	.831	UNF3/4-16 1/2L	2
AH217B25		BT40 - EMH 1 1/4 - 2.50	1.250	2.500	2.441	2.500	2.500	.831	UNF3/4-16 11/16L	2



# YIG END MILL HOLDER & SIDE LOCK ARBOR

BT

## HIGH BALANCED END MILL HOLDER



JIS B6339/MAS 403-BT (Inch)

Set screws for End Mill Holders Refer to page D118



STANDARD

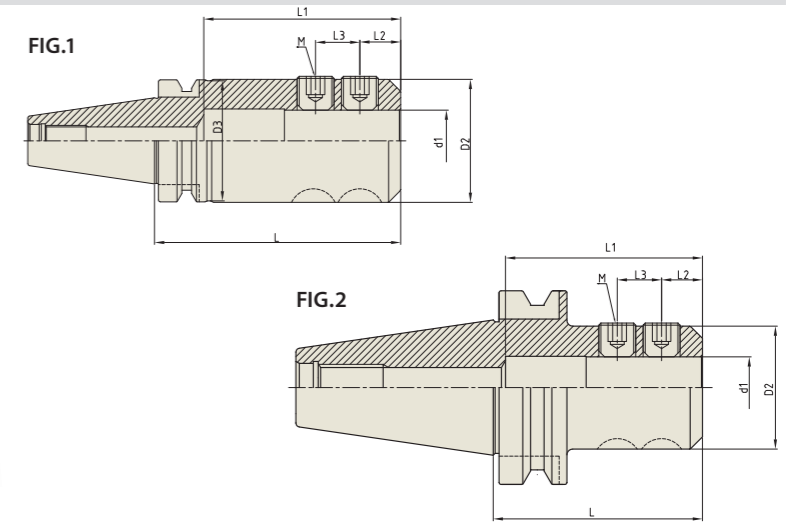
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.
AH000B25	40	BT40 - EMH 1/8 - 2.50	.125	.690	-	2.500	.591	.295	-	UNC#8-32 1/4L	1
AH001B25		BT40 - EMH 3/16 - 2.50	.187	.690	-	2.500	.787	.441	-	UNC#10-32 1/4L	1
AH002B25		BT40 - EMH 1/4 - 2.50	.250	.780	-	2.500	1.299	.598	-	UNF1/4-28 1/4L	1
AH003B25		BT40 - EMH 5/16 - 2.50	.312	.880	-	2.500	1.358	.630	-	UNF5/16-24 1/4L	1
AH004B25		BT40 - EMH 3/8 - 2.50	.375	1.000	-	2.500	1.417	.630	-	UNF3/8-24 5/16L	1
AH005B25		BT40 - EMH 7/16 - 2.50	.437	1.130	-	2.500	1.417	.630	-	UNF3/8-24 25/64L	1
AH006B25		BT40 - EMH 1/2 - 2.50	.500	1.250	-	2.500	1.693	.787	-	UNF7/16-20 3/8L	1
AH008B25		BT40 - EMH 5/8 - 2.50	.625	1.500	-	2.500	3.600	.881	-	UNF1/2-20 1/2L	1
AH010B25		BT40 - EMH 3/4 - 2.50	.750	1.750	-	2.500	3.900	.909	-	UNF5/8-18 1/2L	1
AH012B25		BT40 - EMH 7/8 - 3.50	.875	1.880	-	3.500	4.200	.650	.811	UNF5/8-18 1/2L	2
AH014B25		BT40 - EMH 1.0 - 3.75	1.000	2.000	-	3.750	4.400	.831	.902	UNF3/4-16 1/2L	2
AH017B25		BT40 - EMH 1 1/4 - 3.75	1.250	2.500	2.461	3.750	4.000	.831	.902	UNF3/4-16 11/16L	2
AH021B25		BT40 - EMH 1 1/2 - 4.25	1.500	2.500	2.461	4.250	3.978	.881	1.063	UNF3/4-16 1/2L	2
AI002B25		50	BT50 - EMH 1/4 - 3.00	.250	.780	-	3.000	1.299	.598	-	UNF1/4-28 1/4L
AI004B25	BT50 - EMH 3/8 - 3.00		.375	1.000	-	3.000	1.417	.630	-	UNF3/8-24 5/16L	1
AI006B25	BT50 - EMH 1/2 - 3.00		.500	1.250	-	3.000	1.693	.787	-	UNF7/16-20 3/8L	1
AI008B25	BT50 - EMH 5/8 - 3.00		.625	1.500	-	3.000	1.929	.882	-	UNF1/2-20 1/2L	1
AI010B25	BT50 - EMH 3/4 - 3.00		.750	1.750	-	3.000	2.047	.909	-	UNF5/8-18 1/2L	1
AI012B25	BT50 - EMH 7/8 - 4.00		.875	1.880	-	4.000	4.200	.650	-	UNF5/8-18 1/2L	1
AI014B25	BT50 - EMH 1.0 - 4.25		1.000	2.000	-	4.250	4.636	.831	.902	UNF3/4-16 1/2L	2
AI017B25	BT50 - EMH 1 1/4 - 4.25		1.250	2.500	-	4.250	4.000	.831	.902	UNF3/4-16 11/16L	2
AI021B25	BT50 - EMH 1 1/2 - 4.25		1.500	2.500	-	4.250	3.976	.882	1.063	UNF3/4-16 1/2L	2
AI029B25	BT50 - EMH 2.0 - 5.00		2.000	3.750	-	5.000	5.000	1.299	1.538	UNS1-14 7/8L	2

# YIG END MILL HOLDER & SIDE LOCK ARBOR

BT

## HIGH BALANCED END MILL HOLDER



JIS B6339/MAS 403 - BT (Inch)

Set screws for End Mill Holders Refer to page D118



EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.
AH104B25	40	BT40 - EMH 3/8 - 4.00	.375	1.000	-	4.000	1.417	.630	-	UNF3/8-24 5/16L	1
AH106B25		BT40 - EMH 1/2 - 4.00	.500	1.250	-	4.000	1.693	.787	-	UNF7/16-20 3/8L	1
AH108B25		BT40 - EMH 5/8 - 4.00	.625	1.500	-	4.000	3.600	.881	-	UNF1/2-20 1/2L	1
AH110B25		BT40 - EMH 3/4 - 4.00	.750	1.750	-	4.000	3.900	.909	-	UNF5/8-18 1/2L	1
AH114B25		BT40 - EMH 1.0 - 5.00	1.000	2.000	-	5.000	4.400	.831	.902	UNF3/4-16 1/2L	2
AH117B25		BT40 - EMH 1 1/4 - 5.00	1.250	2.500	2.461	5.000	4.000	.831	.902	UNF3/4-16 11/16L	2
AH121B25		BT40 - EMH 1 1/2 - 6.00	1.500	2.500	2.461	6.000	3.978	.881	1.063	UNF3/4-16 1/2L	2
AI104B25	50	BT50 - EMH 3/8 - 6.00	.375	1.000	-	6.000	1.417	.630	-	UNF3/8-24 5/16L	1
AI106B25		BT50 - EMH 1/2 - 6.00	.500	1.250	-	6.000	1.693	.787	-	UNF7/16-20 3/8L	1
AI108B25		BT50 - EMH 5/8 - 6.00	.625	1.500	-	6.000	1.929	.882	-	UNF1/2-20 1/2L	1
AI110B25		BT50 - EMH 3/4 - 6.00	.750	1.750	-	6.000	2.047	.909	-	UNF5/8-18 1/2L	1
AI112B25		BT50 - EMH 7/8 - 6.00	.875	1.880	-	6.000	4.200	.650	-	UNF5/8-18 1/2L	1
AI114B25		BT50 - EMH 1.0 - 6.00	1.000	2.000	-	6.000	4.636	.831	.902	UNF3/4-16 1/2L	2
AI117B25		BT50 - EMH 1 1/4 - 6.00	1.250	2.500	-	6.000	4.000	.831	.902	UNF3/4-16 11/16L	2
AI121B25		BT50 - EMH 1 1/2 - 6.00	1.500	2.500	-	6.000	3.976	.882	1.063	UNF3/4-16 1/2L	2
AI129B25		BT50 - EMH 2.0 - 6.00	2.000	3.750	-	6.000	5.000	1.299	1.358	UNS1-14 7/8L	2

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Adapter

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

Stub Arbor

Slitting Saw Arbor

Pull Stud & Tool Clamp

TECHNICAL INFORMATION

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Adapter

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

Stub Arbor

Slitting Saw Arbor

Pull Stud & Tool Clamp

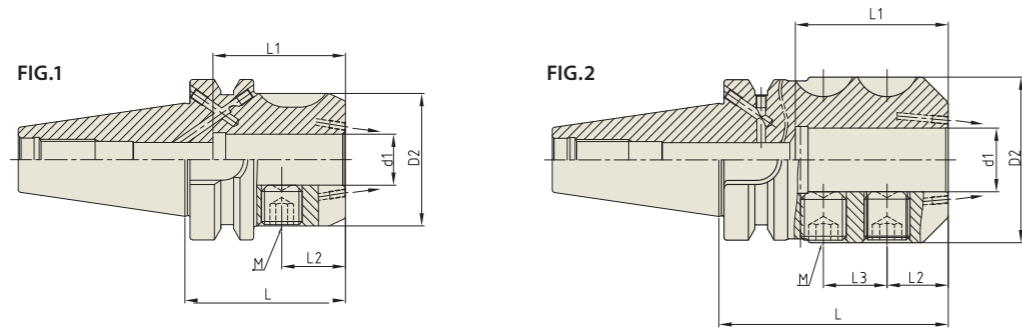
TECHNICAL INFORMATION



END MILL HOLDER & SIDE LOCK ARBOR

BT

END MILL HOLDER (COOLANT CHANNEL TYPE)



JIS B6339/MAS 403 - BT (Metric)

Set screws for End Mill Holders Refer to page D118



Unit : mm

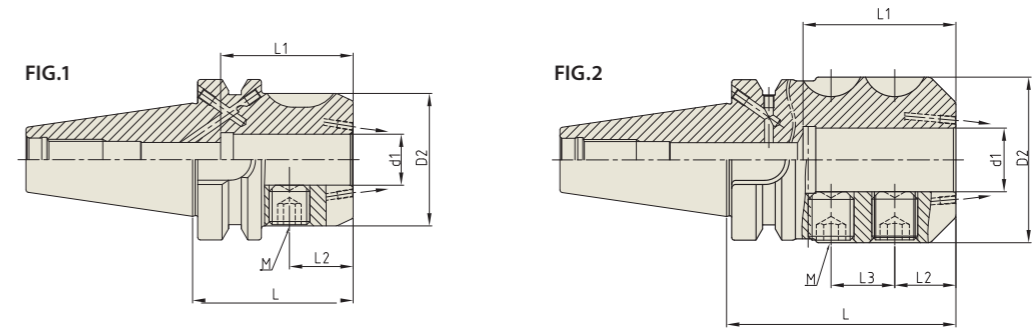
EDP No.	TAPER No.	MODEL No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT(Kg)
AH311B15C	40	BT40 AD/B - EMH 6C - 50	6	25	50	35	18	-	M6	1	1.00
AH312B15C		BT40 AD/B - EMH 8C - 50	8	28	50	35	18	-	M8	1	1.00
AH313B15C		BT40 AD/B - EMH 10C - 63	10	35	63	39	20	-	M10	1	1.10
AH314B15C		BT40 AD/B - EMH 12C - 63	12	42	63	44	22.5	-	M12	1	1.30
AH315B15C		BT40 AD/B - EMH 14C - 63	14	44	63	49	22.5	-	M12	1	1.40
AH316B15C		BT40 AD/B - EMH 16C - 63	16	48	63	52	24	-	M14	1	1.70
AH317B15C		BT40 AD/B - EMH 18C - 63	18	50	63	50	24	-	M14	1	1.70
AH318B15C		BT40 AD/B - EMH 20C - 63	20	52	63	52	25	-	M16	1	1.80
AH319B15C		BT40 AD/B - EMH 25C - 90	25	65	90	60	24	25	M18	2	1.80
AH320B15C		BT40 AD/B - EMH 32C - 100	32	72	100	64	24	28	M20	2	2.00
AI311B15C	50	BT50 AD/B - EMH 6C - 63	6	25	63	35	18	-	M6	1	3.30
AI312B15C		BT50 AD/B - EMH 8C - 63	8	28	63	35	18	-	M8	1	3.60
AI313B15C		BT50 AD/B - EMH 10C - 65	10	35	65	39	20	-	M10	1	3.80
AI314B15C		BT50 AD/B - EMH 12C - 80	12	42	80	46	22.5	-	M12	1	3.80
AI315B15C		BT40 AD/B - EMH 14C - 80	14	44	80	46	22.5	-	M12	1	4.00
AI316B15C		BT50 AD/B - EMH 16C - 80	16	48	80	49	24	-	M14	1	4.00
AI317B15C		BT50 AD/B - EMH 18C - 80	18	50	80	49	24	-	M14	1	4.20
AI318B15C		BT50 AD/B - EMH 20C - 80	20	52	80	52	25	-	M16	1	4.20
AI319B15C		BT50 AD/B - EMH 25C - 100	25	65	100	60	24	25	M18	2	4.60
AI320B15C		BT50 AD/B - EMH 32C - 105	32	72	105	64	24	28	M20	2	4.70
AI321B15C	BT50 AD/B - EMH 40C - 120	40	80	120	74	30	32	M20	2	4.90	



END MILL HOLDER & SIDE LOCK ARBOR

BT

HIGH BALANCED END MILL HOLDER (COOLANT CHANNEL TYPE)



JIS B6339/MAS 403 - BT (Metric)

Set screws for End Mill Holders Refer to page D118



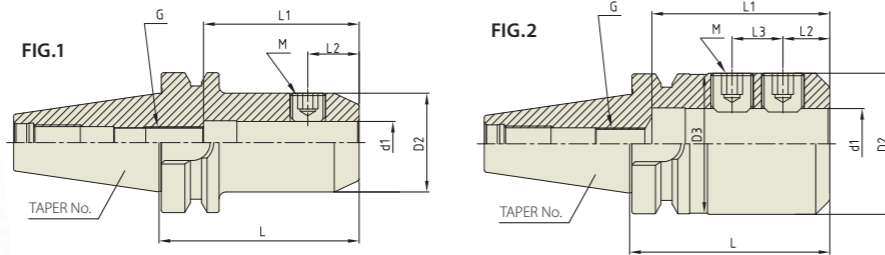
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT(Kg)
AH311B25C	40	BT40 AD/B - EMH 6C - 50	6	25	50	35	18	-	M6	1	1.00
AH312B25C		BT40 AD/B - EMH 8C - 50	8	28	50	35	18	-	M8	1	1.00
AH313B25C		BT40 AD/B - EMH 10C - 63	10	35	63	39	20	-	M10	1	1.10
AH314B25C		BT40 AD/B - EMH 12C - 63	12	42	63	44	22.5	-	M12	1	1.30
AH315B25C		BT40 AD/B - EMH 14C - 63	14	44	63	49	22.5	-	M12	1	1.40
AH316B25C		BT40 AD/B - EMH 16C - 63	16	48	63	52	24	-	M14	1	1.70
AH317B25C		BT40 AD/B - EMH 18C - 63	18	50	63	50	24	-	M14	1	1.70
AH318B25C		BT40 AD/B - EMH 20C - 63	20	52	63	52	25	-	M16	1	1.80
AH319B25C		BT40 AD/B - EMH 25C - 90	25	65	90	60	24	25	M18	2	1.80
AH320B25C		BT40 AD/B - EMH 32C - 100	32	72	100	64	24	28	M20	2	2.00
AI311B25C	50	BT50 AD/B - EMH 6C - 63	6	25	63	35	18	-	M6	1	3.30
AI312B25C		BT50 AD/B - EMH 8C - 63	8	28	63	35	18	-	M8	1	3.60
AI313B25C		BT50 AD/B - EMH 10C - 65	10	35	65	39	20	-	M10	1	3.80
AI314B25C		BT50 AD/B - EMH 12C - 80	12	42	80	46	22.5	-	M12	1	3.80
AI315B25C		BT40 AD/B - EMH 14C - 80	14	44	80	46	22.5	-	M12	1	4.00
AI316B25C		BT50 AD/B - EMH 16C - 80	16	48	80	49	24	-	M14	1	4.00
AI317B25C		BT50 AD/B - EMH 18C - 80	18	50	80	49	24	-	M14	1	4.20
AI318B25C		BT50 AD/B - EMH 20C - 80	20	52	80	52	25	-	M16	1	4.20
AI319B25C		BT50 AD/B - EMH 25C - 100	25	65	100	60	24	25	M18	2	4.60
AI320B25C		BT50 AD/B - EMH 32C - 105	32	72	105	64	24	28	M20	2	4.70
AI321B25C	BT50 AD/B - EMH 40C - 120	40	80	120	74	30	32	M20	2	4.90	

# YG END MILL HOLDER & SIDE LOCK ARBOR

CBT

## DUAL CONTACT SIDE LOCK ARBOR



### CBT (BT DUAL CONTACT) (Inch)

Set screws for End Mill Holders Refer to page D118

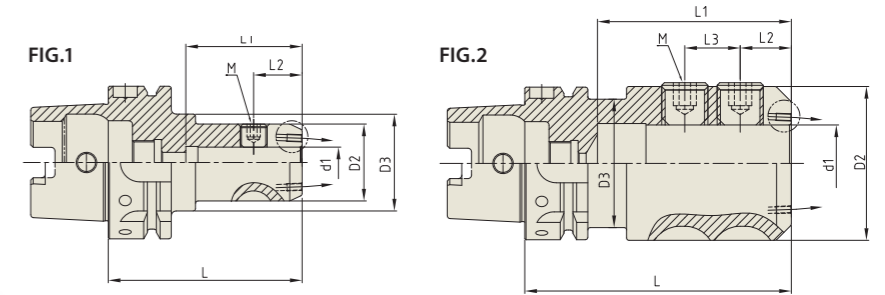


EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	G	FIG.
<a href="#">AD020</a>	30	CBT30 - SLA 1/4 - 2.36	.250	.780	-	2.362	1.378	.598	-	UNF1/4-28 1/4L	UNF#10-32 3/4L	1
<a href="#">AD022</a>		CBT30 - SLA 5/16 - 2.36	.313	.880	-	2.362	1.378	.630	-	UNF5/16-24 1/4L	UNF1/4-28 3/4L	1
<a href="#">AD024</a>		CBT30 - SLA 3/8 - 2.36	.375	1.000	-	2.362	1.969	.630	-	UNF3/8-24 5/16L	UNF5/16-24 3/4L	1
<a href="#">AD026</a>		CBT30 - SLA 1/2 - 2.36	.500	1.250	-	2.362	2.165	.787	-	UNF7/16-20 3/8L	UNF7/16-16 1.0L	1
<a href="#">AD028</a>		CBT30 - SLA 5/8 - 2.95	.625	1.500	-	2.953	2.756	.882	-	UNF1/2-20 1/2L	UN9/16-16 1.0L	1
<a href="#">AD030</a>		CBT30 - SLA 3/4 - 2.95	.750	1.750	-	2.953	2.756	.909	-	UNF5/8-18 1/2L	UN9/16-16 1.0L	1
<a href="#">AD032</a>		CBT30 - SLA 1.0 - 2.95	1.000	2.000	1.772	2.953	2.756	.831	.902	UNF3/4-16 1/2L	UN9/16-16 1.0L	2
<a href="#">AE020</a>		40	CBT40 - SLA 1/4 - 2.36	.250	.780	-	2.362	1.378	.598	-	UNF1/4-28 1/4L	UNF#10-32 3/4L
<a href="#">AE022</a>	CBT40 - SLA 5/16 - 2.36		.313	.880	-	2.362	1.378	.630	-	UNF5/16-24 1/4L	UNF1/4-28 3/4L	1
<a href="#">AE024</a>	CBT40 - SLA 3/8 - 2.36		.375	1.000	-	2.362	1.969	.630	-	UNF3/8-24 5/16L	UNF5/16-24 3/4L	1
<a href="#">AE026</a>	CBT40 - SLA 1/2 - 2.36		.500	1.250	-	2.362	2.165	.787	-	UNF7/16-20 3/8L	UNF7/16-16 1.0L	1
<a href="#">AE028</a>	CBT40 - SLA 5/8 - 3.54		.625	1.500	-	3.543	2.756	.882	-	UNF1/2-20 1/2L	UN9/16-16 1.0L	1
<a href="#">AE030</a>	CBT40 - SLA 3/4 - 3.54		.750	1.750	-	3.543	2.756	.909	-	UNF5/8-18 1/2L	UN9/16-16 1.0L	1
<a href="#">AE032</a>	CBT40 - SLA 1.0 - 3.54		1.000	2.000	-	3.543	2.756	.831	.902	UNF3/4-16 1/2L	UN9/16-16 1.0L	2
<a href="#">AE034</a>	CBT40 - SLA 1 1/4 - 3.54		1.250	2.500	-	3.543	3.150	.831	.902	UNF3/4-16 1/2L	UN9/16-16 1.0L	2

# YG END MILL HOLDER & SIDE LOCK ARBOR

HSK

## DUAL CONTACT END MILL HOLDER (COOLANT CHANNEL TYPE)



### DIN 69893/ ISO 12164-1-HSK FORM A (Inch)

Set screws for End Mill Holders Refer to page D118

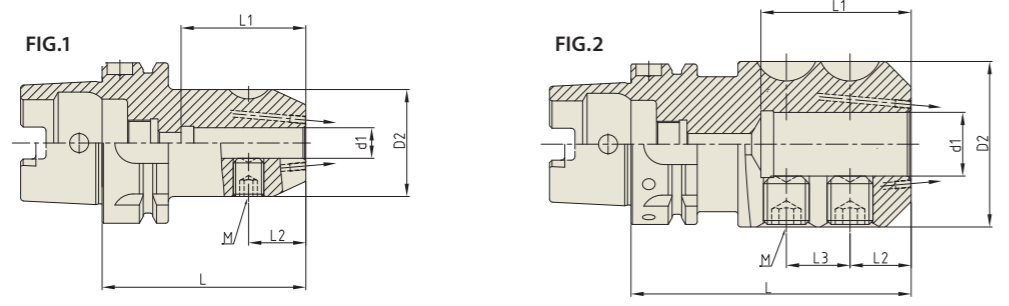


EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
<a href="#">AQ020C</a>	63A	HSK63A - EMH 1/4C - 2.56	.250	.780	1.181	2.559	1.299	.598	-	UNF1/4-28 1/4L	1	
<a href="#">AQ022C</a>		HSK63A - EMH 5/16C - 2.56	.313	.880	1.181	2.559	1.358	.630	-	UNF5/16-24 1/4L	1	
<a href="#">AQ024C</a>		HSK63A - EMH 3/8C - 2.56	.375	1.000	1.181	2.559	1.535	.630	-	UNF3/8-24 5/16L	1	
<a href="#">AQ026C</a>		HSK63A - EMH 1/2C - 3.15	.500	1.250	1.181	3.150	1.889	.787	-	UNF7/16-20 3/8L	1	
<a href="#">AQ028C</a>		HSK63A - EMH 5/8C - 3.15	.625	1.500	1.811	3.150	2.126	.882	-	UNF1/2-20 1/2L	1	
<a href="#">AQ030C</a>		HSK63A - EMH 3/4C - 3.15	.750	1.750	-	3.150	2.165	.909	-	UNF5/8-18 1/2L	1	
<a href="#">AQ032C</a>		HSK63A - EMH 1.0C - 4.33	1.000	2.000	-	4.331	3.150	.837	.902	UNF3/4-16 1/2L	2	
<a href="#">AQ034C</a>		HSK63A - EMH 1 1/4C - 4.33	1.250	2.500	2.087	4.331	3.150	.837	.902	UNF3/4-16 11/16L	2	
<a href="#">AR020C</a>		100A	HSK100A - EMH 1/4C - 3.15	.250	.780	1.575	3.150	1.299	.598	-	UNF1/4-28 1/4L	1
<a href="#">AR022C</a>			HSK100A - EMH 5/16C - 3.15	.313	.880	1.575	3.150	1.358	.630	-	UNF5/16-24 1/4L	1
<a href="#">AR024C</a>	HSK100A - EMH 3/8C - 3.15		.375	1.000	1.575	3.150	1.417	.630	-	UNF3/8-24 5/16L	1	
<a href="#">AR026C</a>	HSK100A - EMH 1/2C - 3.15		.500	1.250	1.575	3.150	1.890	.787	-	UNF7/16-20 3/8L	1	
<a href="#">AR028C</a>	HSK100A - EMH 5/8C - 3.94		.625	1.500	1.811	3.937	2.520	.882	-	UNF1/2-20 1/2L	1	
<a href="#">AR030C</a>	HSK100A - EMH 3/4C - 3.94		.750	1.750	-	3.937	2.559	.909	-	UNF5/8-18 1/2L	1	
<a href="#">AR032C</a>	HSK100A - EMH 1.0C - 3.94		1.000	2.000	-	3.937	2.677	.837	.902	UNF3/4-16 1/2L	2	
<a href="#">AR034C</a>	HSK100A - EMH 1 1/4C - 3.94		1.250	2.500	-	3.937	2.677	.837	.902	UNF3/4-16 11/16L	2	

# YG END MILL HOLDER & SIDE LOCK ARBOR

**HSK**

## END MILL HOLDER (COOLANT CHANNEL TYPE)



DIN69893/  
ISO12164-1 HSK FORM A (Metric)

Set screws for End Mill Holders  
Refer to page D118



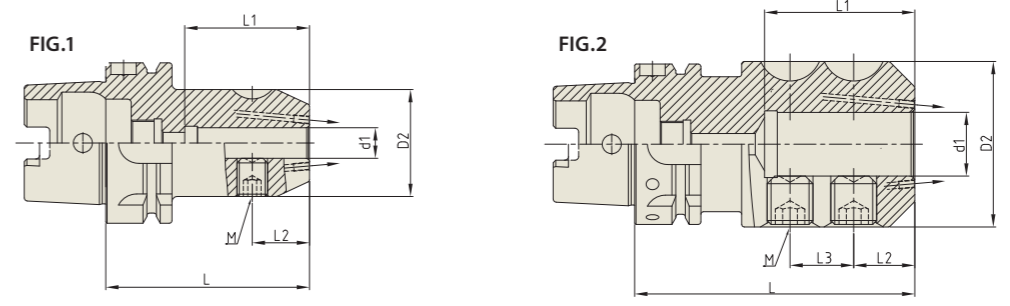
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT(Kg)
AP001B15C	40A	HSK40A - EMH 6C - 60	6	25	60	38	18	-	M6	1	0.30
AP002B15C		HSK40A - EMH 8C - 60	8	28	60	38	18	-	M8	1	0.30
AP003B15C		HSK40A - EMH 10C - 60	10	35	60	42	20	-	M10	1	0.30
AP004B15C		HSK40A - EMH 12C - 70	12	42	70	47	22.5	-	M12	1	0.40
AP005B15C		HSK40A - EMH 14C - 70	14	44	70	47	22.5	-	M12	1	0.40
AP006B15C		HSK40A - EMH 16C - 80	16	48	80	50	24	-	M14	1	0.60
AP007B15C	50A	HSK50A - EMH 6C - 65	6	25	65	38	18	-	M6	1	0.70
AP008B15C		HSK50A - EMH 8C - 65	8	28	65	38	18	-	M8	1	0.80
AP009B15C		HSK50A - EMH 10C - 65	10	35	65	42	20	-	M10	1	0.80
AP010B15C		HSK50A - EMH 12C - 80	12	42	80	47	22.5	-	M12	1	1.20
AP011B15C		HSK50A - EMH 14C - 80	14	44	80	47	22.5	-	M12	1	1.30
AP012B15C		HSK50A - EMH 16C - 80	16	48	80	50	24	-	M14	1	1.30
AP013B15C	HSK50A - EMH 18C - 80	18	50	80	50	24	-	M14	1	1.40	
AP014B15C	HSK50A - EMH 20C - 80	20	52	80	52	25	-	M16	1	1.50	
AQ101B15C	63A	HSK63A - EMH 6C - 65	6	25	65	35	18	-	M6	1	0.80
AQ102B15C		HSK63A - EMH 8C - 65	8	28	65	40	18	-	M8	1	0.80
AQ103B15C		HSK63A - EMH 10C - 65	10	35	65	40.5	20	-	M10	1	0.90
AQ104B15C		HSK63A - EMH 12C - 80	12	42	80	49	22.5	-	M12	1	1.10
AQ105B15C		HSK63A - EMH 14C - 80	14	44	80	49	22.5	-	M12	1	1.20
AQ106B15C		HSK63A - EMH 16C - 80	16	48	80	52	24	-	M14	1	1.30
AQ107B15C		HSK63A - EMH 18C - 80	18	50	80	52	24	-	M14	1	1.40
AQ108B15C		HSK63A - EMH 20C - 80	20	52	80	53	25	-	M16	1	1.50
AQ109B15C		HSK63A - EMH 25C - 110	25	65	110	59	24	25	M18	2	2.30
AQ110B15C		HSK63A - EMH 32C - 110	32	72	110	63	24	28	M20	2	2.60
AR101B15C	100A	HSK100A - EMH 6C - 80	6	25	80	35	18	-	M6	1	0.80
AR102B15C		HSK100A - EMH 8C - 80	8	28	80	35	18	-	M8	1	0.80
AR103B15C		HSK100A - EMH 10C - 80	10	35	80	35.5	20	-	M10	1	0.90
AR104B15C		HSK100A - EMH 12C - 80	12	42	80	49	22.5	-	M12	1	1.10
AR105B15C		HSK100A - EMH 14C - 80	14	44	80	49	22.5	-	M12	1	1.20
AR106B15C		HSK100A - EMH 16C - 100	16	48	100	52	24	-	M14	1	1.30
AR107B15C		HSK100A - EMH 18C - 100	18	50	100	52	24	-	M14	1	1.40
AR108B15C		HSK100A - EMH 20C - 100	20	52	100	53	25	-	M16	1	1.50
AR109B15C		HSK100A - EMH 25C - 100	25	65	100	59	24	25	M18	2	2.30
AR110B15C		HSK100A - EMH 32C - 100	32	72	100	63	24	28	M20	2	2.60
AR111B15C		HSK100A - EMH 40C - 120	40	80	120	73	30	32	M20	2	2.60

# YG END MILL HOLDER & SIDE LOCK ARBOR

**HSK**

## HIGH BALANCED END MILL HOLDER (COOLANT CHANNEL TYPE)



DIN69893/  
ISO12164-1 HSK FORM A (Metric)

Set screws for End Mill Holders  
Refer to page D118



Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT(Kg)
AP001B25C	40A	HSK40A - EMH 6C - 60	6	25	60	38	18	-	M6	1	0.30
AP002B25C		HSK40A - EMH 8C - 60	8	28	60	38	18	-	M8	1	0.30
AP003B25C		HSK40A - EMH 10C - 60	10	35	60	42	20	-	M10	1	0.30
AP004B25C		HSK40A - EMH 12C - 70	12	42	70	47	22.5	-	M12	1	0.40
AP005B25C		HSK40A - EMH 14C - 70	14	44	70	47	22.5	-	M12	1	0.40
AP006B25C		HSK40A - EMH 16C - 80	16	48	80	50	24	-	M14	1	0.60
AP007B25C	50A	HSK50A - EMH 6C - 65	6	25	65	38	18	-	M6	1	0.70
AP008B25C		HSK50A - EMH 8C - 65	8	28	65	38	18	-	M8	1	0.80
AP009B25C		HSK50A - EMH 10C - 65	10	35	65	42	20	-	M10	1	0.80
AP010B25C		HSK50A - EMH 12C - 80	12	42	80	47	22.5	-	M12	1	1.20
AP011B25C		HSK50A - EMH 14C - 80	14	44	80	47	22.5	-	M12	1	1.30
AP012B25C		HSK50A - EMH 16C - 80	16	48	80	50	24	-	M14	1	1.30
AP013B25C	HSK50A - EMH 18C - 80	18	50	80	50	24	-	M14	1	1.40	
AP014B25C	HSK50A - EMH 20C - 80	20	52	80	52	25	-	M16	1	1.50	
AQ101B25C	63A	HSK63A - EMH 6C - 65	6	25	65	35	18	-	M6	1	0.80
AQ102B25C		HSK63A - EMH 8C - 65	8	28	65	40	18	-	M8	1	0.80
AQ103B25C		HSK63A - EMH 10C - 65	10	35	65	42	20	-	M10	1	0.90
AQ104B25C		HSK63A - EMH 12C - 80	12	42	80	47	22.5	-	M12	1	1.10
AQ105B25C		HSK63A - EMH 14C - 80	14	44	80	47	22.5	-	M12	1	1.20
AQ106B25C		HSK63A - EMH 16C - 80	16	48	80	50	24	-	M14	1	1.30
AQ107B25C		HSK63A - EMH 18C - 80	18	50	80	50	24	-	M14	1	1.40
AQ108B25C		HSK63A - EMH 20C - 80	20	52	80	52	25	-	M16	1	1.50
AQ109B25C		HSK63A - EMH 25C - 110	25	65	110	60	24	25	M18	2	2.30
AQ110B25C		HSK63A - EMH 32C - 110	32	72	110	64	24	28	M20	2	2.60
AR101B25C	100A	HSK100A - EMH 6C - 80	6	25	80	35	18	-	M6	1	0.80
AR102B25C		HSK100A - EMH 8C - 80	8	28	80	35	18	-	M8	1	0.80
AR103B25C		HSK100A - EMH 10C - 80	10	35	80	35.5	20	-	M10	1	0.90
AR104B25C		HSK100A - EMH 12C - 80	12	42	80	49	22.5	-	M12	1	1.10
AR105B25C		HSK100A - EMH 14C - 80	14	44	80	49	22.5	-	M12	1	1.20
AR106B25C		HSK100A - EMH 16C - 100	16	48	100	52	24	-	M14	1	1.30
AR107B25C		HSK100A - EMH 18C - 100	18	50	100	52	24	-	M14	1	1.40
AR108B25C		HSK100A - EMH 20C - 100	20	52	100	53	25	-	M16	1	1.50
AR109B25C		HSK100A - EMH 25C - 100	25	65	100	59	24	25	M18	2	2.30
AR110B25C		HSK100A - EMH 32C - 100	32	72	100	63	24	28	M20	2	2.60
AR111B25C		HSK100A - EMH 40C - 120	40	80	120	73	30	32	M20	2	2.60

Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

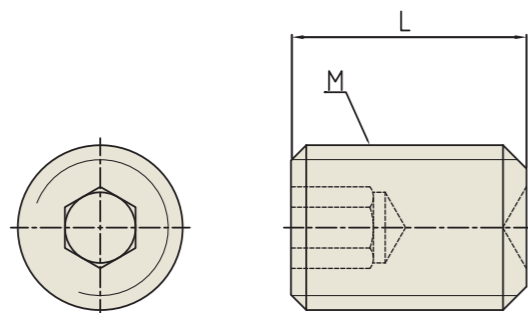
Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION



END MILL HOLDER &  
SIDE LOCK ARBOR

PART

SIDE LOCK BOLT (For End mill holder & Side lock arbor)



Unit : inch

EMH & SLA ID	EMH			SLA		
	M	L	EDP No.	M	L	EDP No.
1/8	UNC#8-32	1/4 (0.25)	<a href="#">ZZ000</a>	-	-	
3/16	UNC#10-32	1/4 (0.25)	<a href="#">ZZ001</a>	-	-	
1/4	UNF1/4-28	1/4 (0.25)	<a href="#">ZZ002</a>	UNF1/4-28	1/4 (0.25)	<a href="#">ZZ002</a>
5/16	UNF5/16-24	1/4 (0.25)	<a href="#">ZZ003</a>	UNF5/16-24	1/4 (0.25)	<a href="#">ZZ003</a>
3/8	UNF3/8-24	5/16 (0.3125)	<a href="#">ZZ004</a>	UNF3/8-24	5/16 (0.3125)	<a href="#">ZZ004</a>
7/16	UNF3/8-24	25/64 (0.391)	<a href="#">ZZ005</a>	-	-	
1/2	UNF7/16-20	3/8 (0.375)	<a href="#">ZZ006</a>	UNF7/16-20	3/8 (0.375)	<a href="#">ZZ006</a>
5/8	UNF1/2-20	1/2 (0.5)	<a href="#">ZZ007</a>	UNF1/2-20	1/2 (0.5)	<a href="#">ZZ007</a>
3/4	UNF5/8-18	1/2 (0.5)	<a href="#">ZZ008</a>	-	-	
7/8	UNF5/8-18	1/2 (0.5)	<a href="#">ZZ009</a>	UNF5/8-18	1/2 (0.5)	<a href="#">ZZ009</a>
1	UNF3/4-16	1/2 (0.5)	<a href="#">ZZ010</a>	UNF3/4-16	1/2 (0.5)	<a href="#">ZZ010</a>
1 1/4	UNF3/4-16	11/16 (0.6875)	<a href="#">ZZ011</a>	UNF3/4-16	11/16 (0.6875)	<a href="#">ZZ011</a>
1 1/2	UNF3/4-16	1/2 (0.5)	<a href="#">ZZ012</a>	-	-	
2	UNS1-14- 7/8L	7/8 (0.875)	<a href="#">ZZ013</a>	-	-	

Unit : mm

EMH & SLA ID	EMH			SLA		
	M	L	EDP No.	M	L	EDP No.
6	M6 x 1.0	10.5	P2778088	M5 x 0.8	8	P2778079
8	M8 x 1.25	10.5	P2778089	M6 x 1.0	10	P2778080
10	M10 x 1.5	12.5	P2778090	M8 x 1.25	12	P2778081
12	M12 x 1.75	16.5	P2778091	M10 x 1.5	14	P2778082
14	M12 x 1.75	15.0	P2778092	M10 x 1.5	14	P2778082
16	M14 x 2.0	16.5	P2778093	M12 x 1.75	12	P2778083
18	M14 x 2.0	16.5	P2778093	-	-	-
20	M16 x2.0	16.5	P2778094	M12 x 1.75	16	P2778084
25	M18 x 2.0	20.5	P2778095	M14 x 2.0	14	P2778085
32	M20 x 2.0	20.5	P2778096	M16 x2.0	16	P2778086
40	M20 x 2.0	20.5	P2778096	M16 x2.0	16	P2778086
42	-	-	-	M16 x2.0	16	P2778086
50	M24 x 2.0	25.5	P2778098	-	-	-
50.8	-	-	-	M20 x 2.5	25	P2778087

YG-1 ROTARY TOOLING

ER COLLET  
CHUCK



ER COLLET CHUCK

CAT : ASME B5.50-2009

BT : JIS B6339/MAS 403-BT/ISO7388-2

HSK : DIN69893/ISO12164-1

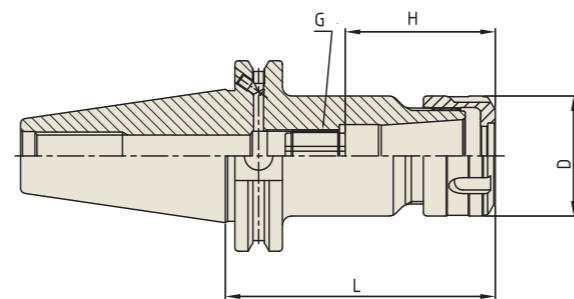
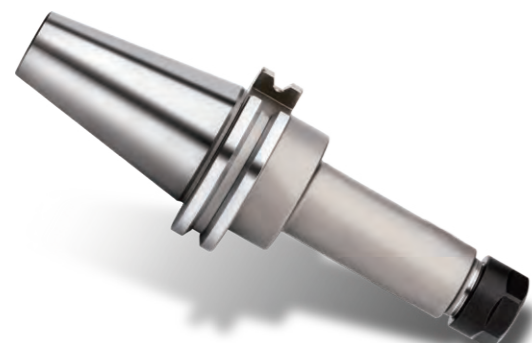
SHORT, STRAIGHT-K

NC-ER

ACCESSORY & PART

ER COLLET, ER NUT, WRENCH, STOP SCREW

ER COLLET CHUCK



ASME B5.50-2009-CAT (Inch)

ER Collet Refer to page D128-D136

ER nut, Sealing disk and Spanner Refer to page D137



**STUB** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
<a href="#">BH232B</a>	40	CAT40 AD/B - ER 20 - 2.55	.039 - .511	1.339	2.55	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BH233B</a>		CAT40 AD/B - ER 25 - 2.50	.039 - .629	1.654	2.50	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BH234B</a>		CAT40 AD/B - ER 32 - 2.70	.078 - .787	1.969	2.70	1.575	3.555	UN7/8-16 1/2L	ER32

**STANDARD** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
<a href="#">BK030B</a>	40	CAT40 AD/B - ER 11 - 3.00	.019 - .275	.748	3.00	.654	1.177	UN5/16-18 1/2L	ER11
<a href="#">BK031B</a>		CAT40 AD/B - ER 16 - 3.00	.019 - .393	1.102	3.00	1.008	2.240	UN7/16-18 1/2L	ER16
<a href="#">BK032B</a>		CAT40 AD/B - ER 20 - 4.00	.039 - .511	1.339	4.00	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BK133B</a>		CAT40 AD/B - ER 25 - 4.00	.039 - .629	1.654	4.00	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BK134B</a>		CAT40 AD/B - ER 32 - 4.00	.078 - .787	1.969	4.00	1.575	3.555	UN7/8-16 1/2L	ER32
<a href="#">BK136B</a>		CAT40 AD/B - ER 40 - 4.00	.118 - 1.024	2.480	4.00	2.283	3.634	UN1 1/8-16 1/2L	ER40
<a href="#">BL031B</a>	50	CAT50 AD/B - ER 16 - 4.00	.019 - .393	1.100	4.00	1.008	1.839	UN7/16-18 1/2L	ER16
<a href="#">BL032B</a>		CAT50 AD/B - ER 20 - 4.00	.039 - .511	1.339	4.00	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BL033B</a>		CAT50 AD/B - ER 25 - 4.00	.039 - .629	1.654	4.00	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BL034B</a>		CAT50 AD/B - ER 32 - 4.00	.078 - .787	1.969	4.00	1.575	3.555	UN7/8-16 1/2L	ER32
<a href="#">BL036B</a>		CAT50 AD/B - ER 40 - 4.00	.118 - 1.024	2.480	4.00	2.283	3.634	UN1 1/8-16 1/2L	ER40

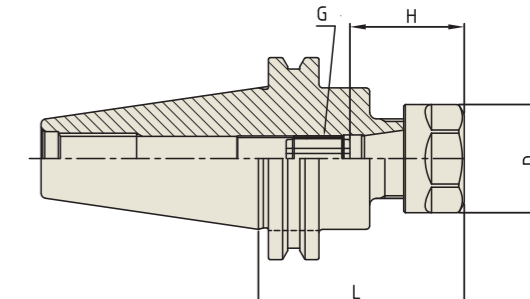
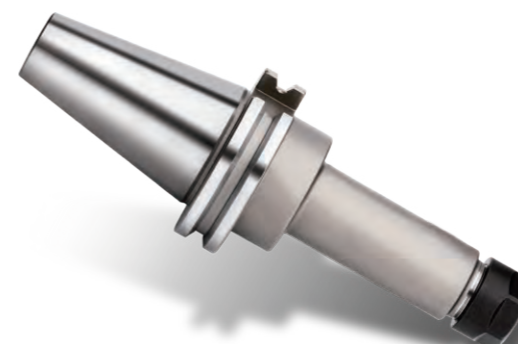
**EXTENDED** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
<a href="#">BK331B</a>	40	CAT40 AD/B - ER 16 - 6.00	.019 - .393	1.102	6.00	1.008	2.240	UN7/16-18 1/2L	ER16
<a href="#">BK332B</a>		CAT40 AD/B - ER 20 - 6.00	.039 - .511	1.339	6.00	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BK333B</a>		CAT40 AD/B - ER 25 - 6.00	.039 - .629	1.654	6.00	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BK334B</a>		CAT40 AD/B - ER 32 - 6.00	.078 - .787	1.969	6.00	1.575	3.555	UN7/8-16 1/2L	ER32
<a href="#">BL331B</a>		CAT50 AD/B - ER 16 - 6.00	.019 - .393	1.100	6.00	1.008	1.839	UN7/16-18 1/2L	ER16
<a href="#">BL332B</a>	50	CAT50 AD/B - ER 20 - 6.00	.039 - .511	1.330	6.00	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BL333B</a>		CAT50 AD/B - ER 25 - 6.00	.039 - .629	1.650	6.00	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BL334B</a>		CAT50 AD/B - ER 32 - 6.00	.078 - .787	1.960	6.00	1.575	3.555	UN7/8-16 1/2L	ER32

**EXTRA EXTENDED** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
<a href="#">BK434B</a>	40	CAT40 AD/B - ER 16 - 8.00	.019 - .393	1.102	8.00	1.008	2.240	UN7/16-18 1/2L	ER16
<a href="#">BK432B</a>		CAT40 AD/B - ER 20 - 8.00	.039 - .511	1.339	8.00	2.283	3.634	UN9/16-16 1/2	ER20
<a href="#">BK435B</a>		CAT40 AD/B - ER 25 - 8.00	.039 - .629	1.654	8.00	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BK433B</a>		CAT40 AD/B - ER 32 - 8.00	.078 - .787	1.969	8.00	1.575	3.555	UN7/8-16 1/2L	ER32

HIGH BALANCED ER COLLET CHUCK



ASME B5.50-2009-CAT (Inch)

ER Collet Refer to page D128-D136

ER nut, Sealing disk and Spanner Refer to page D137



**STUB** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
<a href="#">BK232B25</a>	40	CAT40 - ER 20 - 2.55	.039 - .511	1.339	2.55	2.315	1.272	UN9/16-16 1/2L	ER20
<a href="#">BK233B25</a>		CAT40 - ER 25 - 2.50	.039 - .629	1.654	2.5	2.335	1.339	UN11/16-16 1/2L	ER25
<a href="#">BK234B25</a>		CAT40 - ER 32 - 2.70	.078 - .787	1.969	2.70	3.555	1.575	UN7/8-16 1/2L	ER32

**STANDARD** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
<a href="#">BK030B25</a>	40	CAT40 - ER 11 - 3.00	.019 - .275	.748	3.00	.654	1.177	UN5/16-18 1/2L	ER11
<a href="#">BK031B25</a>		CAT40 - ER 16 - 2.88	.019 - .393	1.102	2.88	1.008	2.240	UN7/16-18 1/2L	ER16
<a href="#">BK032B25</a>		CAT40 - ER 20 - 4.00	.039 - .511	1.339	4.00	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BK133B25</a>		CAT40 - ER 25 - 4.00	.039 - .629	1.654	4.00	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BK134B25</a>		CAT40 - ER 32 - 4.00	.078 - .787	1.969	4.00	1.575	3.555	UN7/8-16 1/2L	ER32
<a href="#">BL031B25</a>		50	CAT50 - ER 16 - 4.88	.019 - .393	1.102	4.88	1.008	1.839	UN7/16-18 1/2L
<a href="#">BL032B25</a>	CAT50 - ER 20 - 4.00		.039 - .511	1.339	4.00	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BL033B25</a>	CAT50 - ER 25 - 4.00		.039 - .629	1.654	4.00	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BL034B25</a>	CAT50 - ER 32 - 4.00		.078 - .787	1.969	4.00	1.575	3.555	UN7/8-16 1/2L	ER32

**EXTENDED** Unit : inch

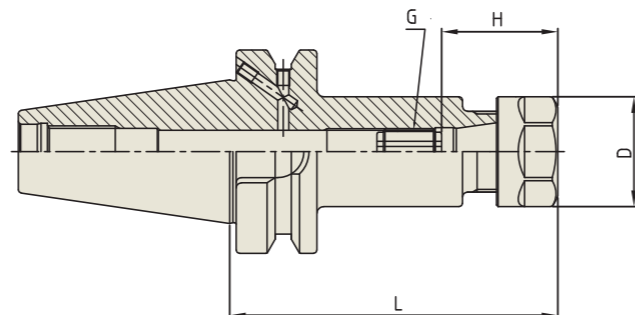
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
<a href="#">BK331B25</a>	40	CAT40 - ER 16 - 4.88	.019 - .393	1.100	4.88	1.008	2.240	UN7/16-18 1/2L	ER16
<a href="#">BK332B25</a>		CAT40 - ER 20 - 6.00	.039 - .511	1.330	6.00	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BK333B25</a>		CAT40 - ER 25 - 6.00	.039 - .629	1.650	6.00	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BK334B25</a>		CAT40 - ER 32 - 6.00	.078 - .787	1.960	6.00	1.575	3.555	UN7/8-16 1/2L	ER32
<a href="#">BL331B25</a>	50	CAT50 - ER 16 - 6.88	.019 - .393	1.100	6.88	1.008	1.839	UN7/16-18 1/2L	ER16
<a href="#">BL332B25</a>		CAT50 - ER 20 - 6.00	.039 - .511	1.330	6.00	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BL333B25</a>		CAT50 - ER 25 - 6.00	.039 - .629	1.650	6.00	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BL334B25</a>		CAT50 - ER 32 - 6.00	.078 - .787	1.960	6.00	1.575	3.555	UN7/8-16 1/2L	ER32

**EXTRA EXTENDED** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
<a href="#">BK434B25</a>	40	CAT40 - ER 16 - 8.00	.019 - .393	1.102	8.000	1.008	2.240	UN7/16-18 1/2L	ER16
<a href="#">BK432B25</a>		CAT40 - ER 20 - 8.00	.039 - .511	1.339	8.000	2.283	3.634	UN9/16-16 1/2	ER20
<a href="#">BK435B25</a>		CAT40 - ER 25 - 8.00	.039 - .629	1.654	8.000	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BK433B25</a>		CAT40 - ER 32 - 8.00	.078 - .787	1.969	8.000	1.575	3.555	UN7/8-16 1/2L	ER32

\* Supplied without wrench.

ER COLLET CHUCK



JIS B6339/MAS 403-BT (Inch)



■ **STUB** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BH232B	40	BT40 AD/B - ER20 - 2.20	.039 - .511	1.339	2.200	1.220	2.315	UN9/16-16 1/2L	ER20
BH233B		BT40 AD/B - ER25 - 2.50	.039 - .629	1.654	2.500	1.339	2.335	UN11/16-16 1/2L	ER25
BH234B		BT40 AD/B - ER32 - 2.40	.078 - .787	1.969	2.400	1.575	3.161	UN7/8-16 1/2L	ER32

■ **STANDARD** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BH030B	40	BT40 AD/B - ER11 - 3.00	.019 - .275	.748	3.000	.654	1.453	UN5/16-18 1/2L	ER11
BH031B		BT40 AD/B - ER16 - 3.00	.019 - .393	1.102	3.000	1.008	1.886	UN7/16-18 1/2L	ER16
BH032B		BT40 AD/B - ER20 - 4.00	.039 - .511	1.339	4.000	1.220	2.315	UN9/16-16 1/2L	ER20
BH133B		BT40 AD/B - ER25 - 4.00	.039 - .629	1.654	4.000	1.339	2.335	UN11/16-16 1/2L	ER25
BH134B		BT40 AD/B - ER32 - 4.00	.078 - .787	1.969	4.000	1.575	3.555	UN7/8-16 1/2L	ER32
BH136B		BT40 AD/B - ER40 - 4.00	.118 - 1.024	2.480	4.000	2.283	3.437	UN1 1/8-16 1/2L	ER40

■ **EXTENDED** Unit : inch

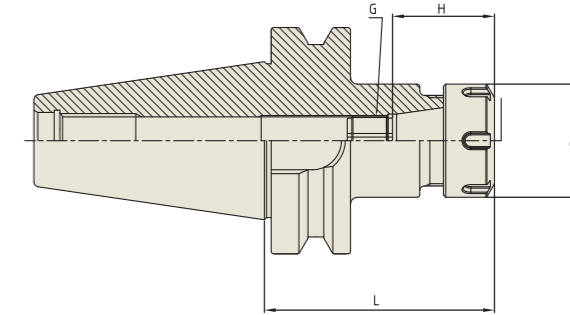
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BH331B	40	BT40 AD/B - ER16 - 6.00	.019 - .393	1.102	6.000	1.008	1.886	UN7/16-18 1/2L	ER16
BH332B		BT40 AD/B - ER20 - 6.00	.039 - .511	1.339	6.000	1.220	2.315	UN9/16-16 1/2L	ER20
BH333B		BT40 AD/B - ER25 - 6.00	.039 - .629	1.654	6.000	1.339	2.335	UN11/16-16 1/2L	ER25
BH334B		BT40 AD/B - ER32 - 6.00	.078 - .787	1.969	6.000	1.575	3.555	UN7/8-16 1/2L	ER32

■ **EXTRA EXTENDED** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BH434B	40	BT40 AD/B - ER 16 - 8.00	.019 - .393	1.102	8.000	1.008	1.886	UN7/16-18 1/2L	ER16
BH432B		BT40 AD/B - ER 20 - 8.00	.039 - .511	1.339	8.000	1.220	2.315	UN9/16-16 1/2L	ER20
BH435B		BT40 AD/B - ER 25 - 8.00	.039 - .629	1.654	8.000	1.339	2.335	UN11/16-16 1/2L	ER25
BH433B		BT40 AD/B - ER 32 - 8.00	.078 - .787	1.969	8.000	1.575	3.555	UN7/8-16 1/2L	ER32

\* High balanced ER Collet Chucks are available on request.  
\* Supplied without wrench.

ER COLLET CHUCK



JIS B6339/MAS 403-BT (Inch)



■ **STANDARD** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BI031	50	BT50 - ER16 - 4.88	.019 - .393	1.102	4.880	1.008	1.886	UN7/16-18 1/2L	ER16
BI032		BT50 - ER20 - 2.63	.039 - .511	1.339	2.630	1.220	3.102	UN9/16-16 1/2L	ER20
BI033		BT50 - ER25 - 2.63	.039 - .629	1.654	2.630	1.339	2.335	UN11/16-16 1/2L	ER25
BI034		BT50 - ER32 - 4.00	.078 - .787	1.969	4.000	1.575	3.555	UN7/8-16 1/2L	ER32

■ **EXTENDED** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BI331	50	BT50 - ER16 - 6.00	.019 - .393	1.102	6.000	1.008	1.886	UN7/16-18 1/2L	ER16
BI332		BT50 - ER20 - 6.00	.039 - .511	1.339	6.000	1.220	3.102	UN9/16-16 1/2L	ER20
BI333		BT50 - ER25 - 6.00	.039 - .629	1.654	6.000	1.339	2.335	UN11/16-16 1/2L	ER25
BI334		BT50 - ER32 - 6.00	.078 - .787	1.969	6.000	1.575	3.555	UN7/8-16 1/2L	ER32

■ **EXTRA EXTENDED** Unit : inch

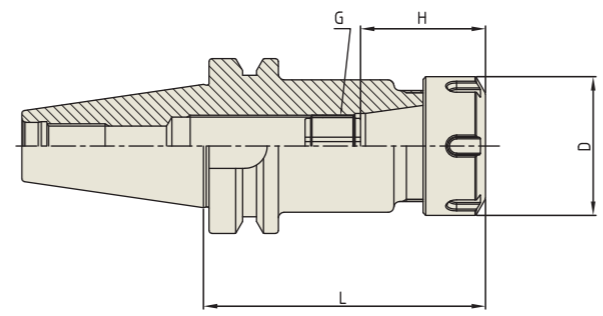
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BI335	50	BT50 - ER 16 - 8.00	0.019 - 0.393	1.102	8.000	1.008	1.886	UN7/16-18 1/2L	ER16
BI336		BT50 - ER 20 - 8.00	0.039 - 0.511	1.339	8.000	1.220	3.102	UN9/16-16 1/2L	ER20
BI337		BT50 - ER 25 - 8.00	0.039 - 0.629	1.654	8.000	1.339	2.335	UN11/16-16 1/2L	ER25
BI338		BT50 - ER 32 - 8.00	0.078 - 0.787	1.969	8.000	1.575	3.555	UN7/8-16 1/2L	ER32

\* High balanced ER Collet Chucks are on page 72.  
\* Supplied without wrench.

# YG ER COLLET CHUCK

## BT

### HIGH BALANCED ER COLLET CHUCK



**JIS B6339/MAS 403-BT** ER Collet Refer to page D128-D136 ER nut, Sealing disk and Spanner Refer to page D137

**STUB** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
<a href="#">BH232B25</a>	40	BT40 - ER 20 - 2.20	.039-.511	1.339	2.200	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BH233B25</a>		BT40 - ER 25 - 2.50	.039-.629	1.654	2.500	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BH234B25</a>		BT40 - ER 32 - 2.40	.078-.787	1.969	2.400	1.575	3.161	UN7/8-16 1/2L	ER32

**STANDARD** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
<a href="#">BH030B25</a>	40	BT40 - ER 11 - 3.00	.019-.275	.748	3.000	.654	1.453	UN5/16-18 1/2L	ER11
<a href="#">BH031B25</a>		BT40 - ER 16 - 2.88	.019-.393	1.102	2.880	1.008	1.886	UN7/16-18 1/2L	ER16
<a href="#">BH032B25</a>		BT40 - ER 20 - 4.00	.039-.511	1.339	4.000	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BH133B25</a>		BT40 - ER 25 - 4.00	.039-.629	1.654	4.000	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BH134B25</a>		BT40 - ER 32 - 4.00	.078-.787	1.969	4.000	1.575	3.555	UN7/8-16 1/2L	ER32
<a href="#">BI031B25</a>	50	BT50 - ER 16 - 4.88	.019-.393	1.102	4.880	1.008	1.886	UN7/16-18 1/2L	ER16
<a href="#">BI032B25</a>		BT50 - ER 20 - 2.63	.039-.511	1.339	2.630	1.22	3.102	UN9/16-16 1/2L	ER20
<a href="#">BI033B25</a>		BT50 - ER 25 - 2.63	.039-.629	1.654	2.630	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BI034B25</a>		BT50 - ER 32 - 4.00	.078-.787	1.969	4.000	1.575	3.555	UN7/8-16 1/2L	ER32

**EXTENDED** Unit : inch

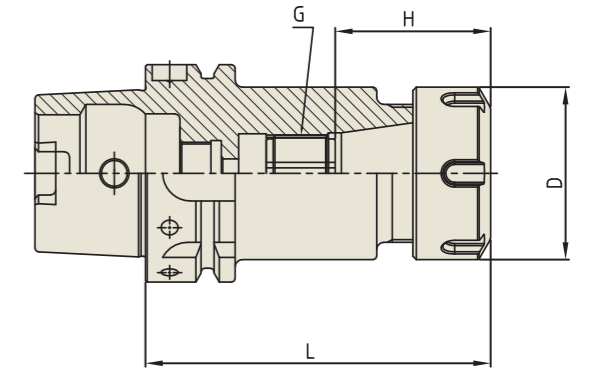
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
<a href="#">BH331B25</a>	40	BT40 - ER 16 - 4.88	.019 - .393	1.102	4.880	1.008	1.886	UN7/16-18 1/2L	ER16
<a href="#">BH434B25</a>		BT40 AD/B - ER 16 - 8.00	.019 - .393	1.102	8.000	1.008	1.886	UN7/16-18 1/2L	ER16
<a href="#">BH332B25</a>		BT40 - ER 20 - 6.00	.039 - .511	1.339	6.000	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BH432B25</a>		BT40 AD/B - ER 20 - 8.00	.039 - .511	1.339	8.000	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BH333B25</a>		BT40 - ER 25 - 6.00	.039 - .629	1.654	6.000	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BH435B25</a>		BT40 AD/B - ER 25 - 8.00	.039 - .629	1.654	8.000	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BH334B25</a>		BT40 - ER 32 - 6.00	.078 - .787	1.969	6.000	1.575	3.555	UN7/8-16 1/2L	ER32
<a href="#">BH433B25</a>		BT40 AD/B - ER 32 - 8.00	.078 - .787	1.969	8.000	1.575	3.555	UN7/8-16 1/2L	ER32
<a href="#">BI331B25</a>		50	BT50 - ER 16 - 6.00	.019 - .393	1.102	6.000	1.008	1.886	UN7/16-18 1/2L
<a href="#">BI335B25</a>	BT50 - ER 16 - 8.00		.019 - .393	1.102	8.000	1.008	1.886	UN7/16-18 1/2L	ER16
<a href="#">BI332B25</a>	BT50 - ER 20 - 6.00		.039 - .511	1.339	6.000	1.220	3.102	UN9/16-16 1/2L	ER20
<a href="#">BI336B25</a>	BT50 - ER 20 - 8.00		.039 - .511	1.339	8.000	1.220	3.102	UN9/16-16 1/2L	ER20
<a href="#">BI333B25</a>	BT50 - ER 25 - 6.00		.039 - .629	1.654	6.000	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BI337B25</a>	BT50 - ER 25 - 8.00		.039 - .629	1.654	8.000	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BI334B25</a>	BT50 - ER 32 - 6.00		.078 - .787	1.969	6.000	1.575	3.555	UN7/8-16 1/2L	ER32
<a href="#">BI338B25</a>	BT50 - ER 32 - 8.00		.078 - .787	1.969	8.000	1.575	3.555	UN7/8-16 1/2L	ER32

\* Supplied without wrench.

# YG ER COLLET CHUCK

## HSK

### DUAL CONTACT ER COLLET CHUCK



**DIN 69893/ ISO 12164-1-HSK FORM A** ER Collet Refer to page D128-D136 ER nut, Sealing disk and Spanner Refer to page D137

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
<a href="#">BQ010</a>	63	HSK63A - ER 16 - 3.94	.019-.393	1.102	3.940	1.008	1.886	UN7/16-18 1/2L	ER16
<a href="#">BQ023</a>		HSK63A - ER 16 - 6.00	.019-.393	1.102	6.000	1.008	1.886	UN7/16-18 1/2L	ER16
<a href="#">BQ012</a>		HSK63A - ER 20 - 3.94	.039-.511	1.339	3.940	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BQ026</a>		HSK63A - ER 20 - 6.00	.039-.511	1.339	6.000	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BQ014</a>		HSK63A - ER 25 - 3.94	.039-.629	1.654	3.940	1.339	2.020	UN11/16-16 1/2L	ER25
<a href="#">BQ016</a>		HSK63A - ER 32 - 3.94	.078-.787	1.969	3.940	1.575	2.295	UN7/8-16 1/2L	ER32
<a href="#">BQ018</a>	HSK63A - ER 40 - 4.72	.118-1.180	2.480	4.720	2.283	2.846	UN1 1/8-16 1/2L	ER40	
<a href="#">BR010</a>	100	HSK100A - ER 16 - 3.94	.019-.393	1.102	3.940	1.008	1.886	UN7/16-18 1/2L	ER16
<a href="#">BR012</a>		HSK100A - ER 20 - 3.94	.039-.511	1.339	3.940	1.220	2.000	UN9/16-16 1/2L	ER20
<a href="#">BR014</a>		HSK100A - ER 25 - 3.94	.039-.629	1.654	3.940	1.339	1.882	UN11/16-16 1/2L	ER25
<a href="#">BR016</a>		HSK100A - ER 32 - 3.94	.078-.787	1.969	3.940	1.575	1.882	UN7/8-16 1/2L	ER32
<a href="#">BR018</a>		HSK100A - ER 40 - 4.72	.118-1.180	2.480	4.720	2.283	2.590	UN1 1/8-16 1/2L	ER40

\* Supplied without wrench.

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Adapter

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

Stub Arbor

Slitting Saw Arbor

Pull Stud & Tool Clamp

TECHNICAL INFORMATION

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Adapter

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

Stub Arbor

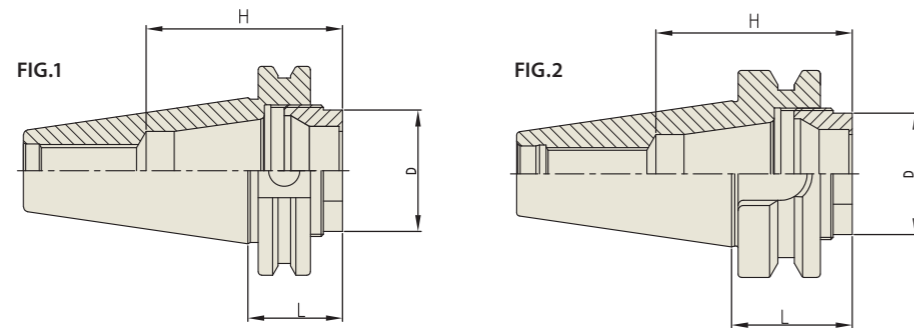
Slitting Saw Arbor

Pull Stud & Tool Clamp

TECHNICAL INFORMATION



**ER COLLET CHUCK (SHORT)**



**ASME B5.50-2009-CAT**



Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H	G	COLLET SERIES
<a href="#">BK020SHT</a>	40	CAT40 - ER 32 - SHORT	.078-.787	1.455	1.134	2.350	ER32(For Hex. Nut)	1
<a href="#">BK020SHT</a>	50	CAT50 - ER 32 - SHORT	.078-.787	1.455	1.134	2.350	ER32(For Hex. Nut)	1

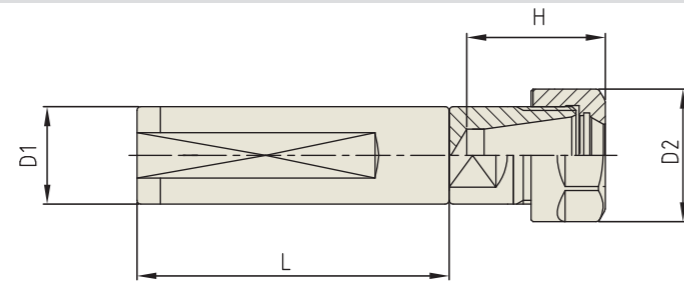
**JIS B6339/MAS 403-BT**

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H	G	COLLET SERIES
<a href="#">BH020SHT</a>	40	BT40 - ER 32 - SHORT	0.078-0.787	1.455	1.446	2.350	ER32(For Hex. Nut)	2

**K**

**TENSION ER COLLET CHUCK (For TAPPING)**



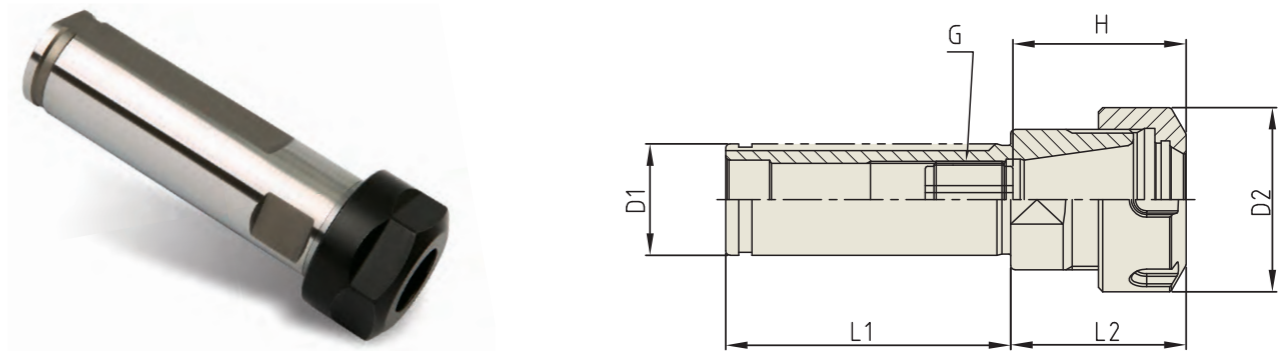
**STRAIGHT-K**

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D1	D2	L	H	COLLET SERIES
<a href="#">BS110</a>	1	K1 - ERT 16 - 2.76	.019-.393	1.00	1.102	2.756	1.248	ER16
<a href="#">BS111</a>		K1 - ERT 20 - 3.15	.039-.511	1.00	1.339	3.150	1.398	ER20
<a href="#">BS112</a>	1 1/4	K1 1/4 - ERT 16 - 2.76	.019-.393	1.25	1.102	2.756	1.248	ER16
<a href="#">BS113</a>		K1 1/4 - ERT 20 - 3.15	.039-.511	1.25	1.339	3.150	1.398	ER20
<a href="#">BS114</a>		K1 1/4 - ERT 25 - 3.15	.039-.629	1.25	1.654	3.150	1.654	ER25
<a href="#">BS115</a>		K1 1/4 - ERT 32 - 3.15	.078-.787	1.25	1.969	3.150	1.890	ER32

\* Supplied without wrench.

**NC ER COLLET CHUCK (For CNC LATHE)**



**NC**



Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D1	D2	L1	L2	H		G	COLLET SERIES
								Min.	Max.		
<a href="#">BN110</a>	1	NC1 - ER 11	.019-.275	1.00	.748	2.559	1.260	.654	1.35	UN5/16-18 1/2L	ER11
<a href="#">BN111</a>		NC1 - ER 16	.019-.393	1.00	1.102	2.559	1.417	1.008	1.886	UN7/16-18 1/2L	ER16
<a href="#">BN112</a>		NC1 - ER 20	.039-.511	1.00	1.339	2.559	1.575	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BN113</a>	1 1/4	NC1 - ER 25	.039-.629	1.00	1.654	2.559	1.575	1.339	2.315	UN11/16-16 1/2L	ER25
<a href="#">BN114</a>		NC1 1/4 - ER 20	.039-.511	1.25	1.339	2.756	1.161	1.220	2.315	UN9/16-16 1/2L	ER20
<a href="#">BN115</a>		NC1 1/4 - ER 25	.039-.629	1.25	1.654	2.756	1.575	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BN116</a>		NC1 1/4 - ER 32	.078-.787	1.25	1.969	2.756	1.772	1.575	2.453	UN7/8-16 1/2L	ER32
<a href="#">BN117</a>	1 1/2	NC1 1/4 - ER 40	.118-1.180	1.25	2.48	2.756	3.150	2.441	3.555	UN1 1/8-16 1/2L	ER42
<a href="#">BN118</a>		NC1 1/2 - ER 25	.039-.629	1.50	1.654	2.953	1.575	1.339	2.335	UN11/16-16 1/2L	ER25
<a href="#">BN119</a>		NC1 1/2 - ER 32	.078-.787	1.50	1.969	2.953	1.772	1.575	2.335	UN7/8-16 1/2L	ER32
<a href="#">BN120</a>		NC1 1/2 - ER 40	.118-1.180	1.50	2.480	2.953	3.150	2.559	3.427	UN1 1/8-16 1/2L	ER42

\* Supplied without wrench.

**YIG** ER COLLET CHUCK

ER

ER COLLET (INCH TYPE)



Unit : inch

ER 11		ER 16		ER 20		ER 25		ER 32		ER 40	
EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE
<a href="#">110116</a>	1/16	<a href="#">160116</a>	1/16	<a href="#">200116</a>	1/16	<a href="#">250116</a>	1/16	<a href="#">320332</a>	3/32	<a href="#">400108</a>	1/8
<a href="#">110332</a>	3/32	<a href="#">160332</a>	3/32	<a href="#">200332</a>	3/32	<a href="#">250332</a>	3/32	<a href="#">320108</a>	1/8	<a href="#">400532</a>	5/32
<a href="#">110108</a>	1/8	<a href="#">160108</a>	1/8	<a href="#">200108</a>	1/8	<a href="#">250108</a>	1/8	<a href="#">320532</a>	5/32	<a href="#">400316</a>	3/16
<a href="#">110532</a>	5/32	<a href="#">160532</a>	5/32	<a href="#">200532</a>	5/32	<a href="#">250532</a>	5/32	<a href="#">320316</a>	3/16	<a href="#">400732</a>	7/32
<a href="#">110316</a>	3/16	<a href="#">160316</a>	3/16	<a href="#">200316</a>	3/16	<a href="#">250316</a>	3/16	<a href="#">320732</a>	7/32	<a href="#">400104</a>	1/4
<a href="#">110732</a>	7/32	<a href="#">160732</a>	7/32	<a href="#">200732</a>	7/32	<a href="#">250732</a>	7/32	<a href="#">320104</a>	1/4	<a href="#">400932</a>	9/32
<a href="#">110104</a>	1/4	<a href="#">160104</a>	1/4	<a href="#">200104</a>	1/4	<a href="#">250104</a>	1/4	<a href="#">320932</a>	9/32	<a href="#">400516</a>	5/16
		<a href="#">160932</a>	9/32	<a href="#">200932</a>	9/32	<a href="#">250932</a>	9/32	<a href="#">320516</a>	5/16	<a href="#">401132</a>	11/32
		<a href="#">160516</a>	5/16	<a href="#">200516</a>	5/16	<a href="#">250516</a>	5/16	<a href="#">321132</a>	11/32	<a href="#">400308</a>	3/8
		<a href="#">161132</a>	11/32	<a href="#">201132</a>	11/32	<a href="#">251132</a>	11/32	<a href="#">320308</a>	3/8	<a href="#">401332</a>	13/32
		<a href="#">160308</a>	3/8	<a href="#">200308</a>	3/8	<a href="#">250308</a>	3/8	<a href="#">321332</a>	13/32	<a href="#">400716</a>	7/16
		<a href="#">161332</a>	13/32	<a href="#">201332</a>	13/32	<a href="#">251332</a>	13/32	<a href="#">320716</a>	7/16	<a href="#">401532</a>	15/32
				<a href="#">200716</a>	7/16	<a href="#">250716</a>	7/16	<a href="#">321532</a>	15/32	<a href="#">400102</a>	1/2
				<a href="#">201532</a>	15/32	<a href="#">251532</a>	15/32	<a href="#">320102</a>	1/2	<a href="#">401732</a>	17/32
				<a href="#">200102</a>	1/2	<a href="#">250102</a>	1/2	<a href="#">321732</a>	17/32	<a href="#">400916</a>	9/16
						<a href="#">251732</a>	17/32	<a href="#">320916</a>	9/16	<a href="#">401932</a>	19/32
						<a href="#">250916</a>	9/16	<a href="#">321932</a>	19/32	<a href="#">400508</a>	5/8
						<a href="#">251932</a>	19/32	<a href="#">320508</a>	5/8	<a href="#">402132</a>	21/32
						<a href="#">250508</a>	5/8	<a href="#">322132</a>	21/32	<a href="#">401116</a>	11/16
								<a href="#">321116</a>	11/16	<a href="#">402332</a>	23/32
								<a href="#">322332</a>	23/32	<a href="#">400304</a>	3/4
								<a href="#">320304</a>	3/4	<a href="#">402532</a>	25/32
										<a href="#">401316</a>	13/16
										<a href="#">402732</a>	27/32
										<a href="#">400708</a>	7/8
										<a href="#">402932</a>	29/32
										<a href="#">401516</a>	15/16
										<a href="#">403132</a>	31/32
										<a href="#">401000</a>	1
<a href="#">ER11S07</a>	STANDARD SET	<a href="#">ER16S12</a>	STANDARD SET	<a href="#">ER20S15</a>	STANDARD SET	<a href="#">ER25S19</a>	STANDARD SET	<a href="#">ER32S22</a>	STANDARD SET	<a href="#">ER40S29</a>	STANDARD SET
Ø1/16" to 1/4"		Ø1/16" to 13/32"		Ø1/16" to 1/2"		Ø1/16" to 5/8"		Ø3/32" to 3/4"		Ø1/8" to 1"	
7pcs		12pcs		15pcs		19pcs		22pcs		29pcs	

**YIG** ER COLLET CHUCK

ER

ER COLLET (Metric Type)



Unit : mm

ER 8		ER 11		ER 16		ER 20	
EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE
<a href="#">208010</a>	1.0 - 0.5	<a href="#">211010</a>	1.0 - 0.5	<a href="#">216010</a>	1.0 - 0.5	<a href="#">220010</a>	1.0 - 0.5
<a href="#">208015</a>	1.5 - 1.0	<a href="#">211015</a>	1.5 - 1.0	<a href="#">216015</a>	1.5 - 1.0	<a href="#">220015</a>	1.5 - 1.0
<a href="#">208020</a>	2.0 - 1.5	<a href="#">211020</a>	2.0 - 1.5	<a href="#">216020</a>	2.0 - 1.0	<a href="#">220020</a>	2.0 - 1.0
<a href="#">208025</a>	2.5 - 2.0	<a href="#">211025</a>	2.5 - 2.0	<a href="#">216025</a>	2.5 - 2.0	<a href="#">220025</a>	2.5 - 2.0
<a href="#">208030</a>	3.0 - 2.5	<a href="#">211030</a>	3.0 - 2.5	<a href="#">216030</a>	3.0 - 2.0	<a href="#">220030</a>	3.0 - 2.0
<a href="#">208035</a>	3.5 - 3.0	<a href="#">211035</a>	3.5 - 3.0	<a href="#">216040</a>	4.0 - 3.0	<a href="#">220040</a>	4.0 - 3.0
<a href="#">208040</a>	4.0 - 3.5	<a href="#">211040</a>	4.0 - 3.5	<a href="#">216050</a>	5.0 - 4.0	<a href="#">220050</a>	5.0 - 4.0
<a href="#">208045</a>	4.5 - 4.0	<a href="#">211045</a>	4.5 - 4.0	<a href="#">216060</a>	6.0 - 5.0	<a href="#">220060</a>	6.0 - 5.0
<a href="#">208050</a>	5.0 - 4.5	<a href="#">211050</a>	5.0 - 4.5	<a href="#">216070</a>	7.0 - 6.0	<a href="#">220070</a>	7.0 - 6.0
		<a href="#">211055</a>	5.5 - 5.0	<a href="#">216080</a>	8.0 - 7.0	<a href="#">220080</a>	8.0 - 7.0
		<a href="#">211060</a>	6.0 - 5.5	<a href="#">216090</a>	9.0 - 8.0	<a href="#">220090</a>	9.0 - 8.0
		<a href="#">211065</a>	6.5 - 6.0	<a href="#">216100</a>	10.0 - 9.0	<a href="#">220100</a>	10.0 - 9.0
		<a href="#">211070</a>	7.0 - 6.5			<a href="#">220110</a>	11.0 - 10.0
						<a href="#">220120</a>	12.0 - 11.0
						<a href="#">220130</a>	13.0 - 12.0
<a href="#">208000</a>	STANDARD SET	<a href="#">211000</a>	STANDARD SET	<a href="#">216000</a>	STANDARD SET	<a href="#">220000</a>	STANDARD SET
Ø1.0 - 5.0mm		Ø1.0 - 7.0mm		Ø1.0 - 10.0mm		Ø2.0 - 13.0mm	
9pcs		13pcs		10pcs		12pcs	
<a href="#">108110</a>	WOODEN TRAY ZWT 8	<a href="#">011110</a>	WOODEN TRAY ZWT 11	<a href="#">016110</a>	WOODEN TRAY ZWT 16	<a href="#">020110</a>	WOODEN TRAY ZWT 20

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Adapter

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

Stub Arbor

Slitting Saw Arbor

Pull Stud & Tool Clamp

TECHNICAL INFORMATION

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Adapter

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

Stub Arbor

Slitting Saw Arbor

Pull Stud & Tool Clamp

TECHNICAL INFORMATION

**YIG** ER COLLET CHUCK

ER

**ER COLLET (Metric Type)**



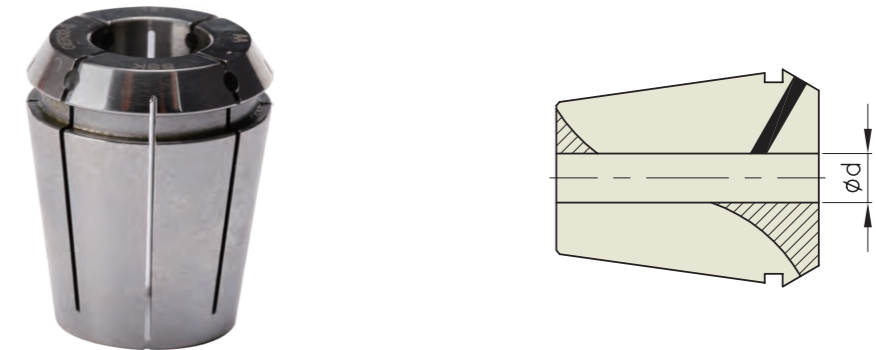
Unit : mm

ER 25		ER 32		ER 40		ER 50	
EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE
<a href="#">225010</a>	1.0 - 1.5	<a href="#">232020</a>	2.0 - 1.0	<a href="#">240030</a>	3.0 - 2.0	<a href="#">250060</a>	6.0 - 4.0
<a href="#">225015</a>	1.5 - 1.0	<a href="#">232025</a>	2.5 - 2.0	<a href="#">240040</a>	4.0 - 3.0	<a href="#">250080</a>	8.0 - 6.0
<a href="#">225020</a>	2.0 - 1.0	<a href="#">232030</a>	3.0 - 2.0	<a href="#">240050</a>	5.0 - 4.0	<a href="#">250100</a>	10.0 - 8.0
<a href="#">225025</a>	2.5 - 2.0	<a href="#">232040</a>	4.0 - 3.0	<a href="#">240060</a>	6.0 - 5.0	<a href="#">250120</a>	12.0 - 10.0
<a href="#">225030</a>	3.0 - 2.0	<a href="#">232050</a>	5.0 - 4.0	<a href="#">240070</a>	7.0 - 6.0	<a href="#">250140</a>	14.0 - 12.0
<a href="#">225040</a>	4.0 - 3.0	<a href="#">232060</a>	6.0 - 5.0	<a href="#">240080</a>	8.0 - 7.0	<a href="#">250160</a>	16.0 - 14.0
<a href="#">225050</a>	5.0 - 4.0	<a href="#">232070</a>	7.0 - 6.0	<a href="#">240090</a>	9.0 - 8.0	<a href="#">250180</a>	18.0 - 16.0
<a href="#">225060</a>	6.0 - 5.0	<a href="#">232080</a>	8.0 - 7.0	<a href="#">240100</a>	10.0 - 9.0	<a href="#">250200</a>	20.0 - 18.0
<a href="#">225070</a>	7.0 - 6.0	<a href="#">232090</a>	9.0 - 8.0	<a href="#">240110</a>	11.0 - 10.0	<a href="#">250220</a>	22.0 - 20.0
<a href="#">225080</a>	8.0 - 7.0	<a href="#">232100</a>	10.0 - 9.0	<a href="#">240120</a>	12.0 - 11.0	<a href="#">250240</a>	24.0 - 22.0
<a href="#">225090</a>	9.0 - 8.0	<a href="#">232110</a>	11.0 - 10.0	<a href="#">240130</a>	13.0 - 12.0	<a href="#">250250</a>	25.0 - 23.0
<a href="#">225100</a>	10.0 - 9.0	<a href="#">232120</a>	12.0 - 11.0	<a href="#">240140</a>	14.0 - 13.0	<a href="#">250260</a>	26.0 - 24.0
<a href="#">225110</a>	11.0 - 10.0	<a href="#">232130</a>	13.0 - 12.0	<a href="#">240150</a>	15.0 - 14.0	<a href="#">250280</a>	28.0 - 26.0
<a href="#">225120</a>	12.0 - 11.0	<a href="#">232140</a>	14.0 - 13.0	<a href="#">240160</a>	16.0 - 15.0	<a href="#">250300</a>	30.0 - 28.0
<a href="#">225130</a>	13.0 - 12.0	<a href="#">232150</a>	15.0 - 14.0	<a href="#">240170</a>	17.0 - 16.0	<a href="#">250320</a>	32.0 - 30.0
<a href="#">225140</a>	14.0 - 13.0	<a href="#">232160</a>	16.0 - 15.0	<a href="#">240180</a>	18.0 - 17.0	<a href="#">250340</a>	34.0 - 32.0
<a href="#">225150</a>	15.0 - 14.0	<a href="#">232170</a>	17.0 - 16.0	<a href="#">240190</a>	19.0 - 18.0		
<a href="#">225160</a>	16.0 - 15.0	<a href="#">232180</a>	18.0 - 17.0	<a href="#">240200</a>	20.0 - 19.0		
		<a href="#">232190</a>	19.0 - 18.0	<a href="#">240210</a>	21.0 - 20.0		
		<a href="#">232200</a>	20.0 - 19.0	<a href="#">240220</a>	22.0 - 21.0		
				<a href="#">240230</a>	23.0 - 22.0		
				<a href="#">240240</a>	24.0 - 23.0		
				<a href="#">240250</a>	25.0 - 24.0		
				<a href="#">240260</a>	26.0 - 25.0		
				<a href="#">240270</a>	27.0 - 26.0		
				<a href="#">240280</a>	28.0 - 27.0		
				<a href="#">240290</a>	29.0 - 28.0		
				<a href="#">240300</a>	30.0 - 29.0		
<a href="#">225000</a>	STANDARD SET	<a href="#">232000</a>	STANDARD SET	<a href="#">240000</a>	STANDARD SET	<a href="#">250000</a>	STANDARD SET
Ø2.0 - 16.0mm		Ø3.0 - 20.0mm		Ø4.0 - 26.0mm		Ø12.0 - 34.0mm	
15pcs		18pcs		23pcs		12pcs	
<a href="#">025110</a>	WOODEN TRAY ZWT 25	<a href="#">032110</a>	WOODEN TRAY ZWT 32	<a href="#">040110</a>	WOODEN TRAY ZWT 40	<a href="#">050110</a>	WOODEN TRAY ZWT 50

**YIG** ER COLLET CHUCK

ER

**SEALED ER COLLET (Inch Type)**



Unit : inch

ER 11S		ER 16S		ER 20S		ER 25S		ER 32S		ER 40S	
EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY
<a href="#">110108S</a>	1/8	<a href="#">160108S</a>	1/8	<a href="#">200108S</a>	1/8	<a href="#">250108S</a>	1/8	<a href="#">320108S</a>	1/8	<a href="#">400108S</a>	1/8
<a href="#">110532S</a>	5/32	<a href="#">160532S</a>	5/32	<a href="#">200532S</a>	5/32	<a href="#">250532S</a>	5/32	<a href="#">320532S</a>	5/32	<a href="#">400532S</a>	5/32
<a href="#">110316S</a>	3/16	<a href="#">160316S</a>	3/16	<a href="#">200316S</a>	3/16	<a href="#">250316S</a>	3/16	<a href="#">320316S</a>	3/16	<a href="#">400316S</a>	3/16
<a href="#">110732S</a>	7/32	<a href="#">160732S</a>	7/32	<a href="#">200732S</a>	7/32	<a href="#">250732S</a>	7/32	<a href="#">320732S</a>	7/32	<a href="#">400732S</a>	7/32
<a href="#">110104S</a>	1/4	<a href="#">160104S</a>	1/4	<a href="#">200104S</a>	1/4	<a href="#">250104S</a>	1/4	<a href="#">320104S</a>	1/4	<a href="#">400104S</a>	1/4
		<a href="#">160932S</a>	9/32	<a href="#">200932S</a>	9/32	<a href="#">250932S</a>	9/32	<a href="#">320932S</a>	9/32	<a href="#">400932S</a>	9/32
		<a href="#">160516S</a>	5/16	<a href="#">200516S</a>	5/16	<a href="#">250516S</a>	5/16	<a href="#">320516S</a>	5/16	<a href="#">400516S</a>	5/16
		<a href="#">161132S</a>	11/32	<a href="#">201132S</a>	11/32	<a href="#">251132S</a>	11/32	<a href="#">321132S</a>	11/32	<a href="#">401132S</a>	11/32
		<a href="#">160308S</a>	3/8	<a href="#">200308S</a>	3/8	<a href="#">250308S</a>	3/8	<a href="#">320308S</a>	3/8	<a href="#">400308S</a>	3/8
		<a href="#">161332S</a>	13/32	<a href="#">201332S</a>	13/32	<a href="#">251332S</a>	13/32	<a href="#">321332S</a>	13/32	<a href="#">401332S</a>	13/32
				<a href="#">200716S</a>	7/16	<a href="#">250716S</a>	7/16	<a href="#">320716S</a>	7/16	<a href="#">400716S</a>	7/16
				<a href="#">201532S</a>	15/32	<a href="#">251532S</a>	15/32	<a href="#">321532S</a>	15/32	<a href="#">401532S</a>	15/32
				<a href="#">200102S</a>	1/2	<a href="#">250102S</a>	1/2	<a href="#">320102S</a>	1/2	<a href="#">400102S</a>	1/2
						<a href="#">251732S</a>	17/32	<a href="#">321732S</a>	17/32	<a href="#">401732S</a>	17/32
						<a href="#">250916S</a>	9/16	<a href="#">320916S</a>	9/16	<a href="#">400916S</a>	9/16
						<a href="#">251932S</a>	19/32	<a href="#">321932S</a>	19/32	<a href="#">401932S</a>	19/32
						<a href="#">250508S</a>	5/8	<a href="#">320508S</a>	5/8	<a href="#">400508S</a>	5/8
								<a href="#">322132S</a>	21/32	<a href="#">402132S</a>	21/32
								<a href="#">321116S</a>	11/16	<a href="#">401116S</a>	11/16
								<a href="#">322332S</a>	23/32	<a href="#">402332S</a>	23/32
								<a href="#">320304S</a>	3/4	<a href="#">400304S</a>	3/4
										<a href="#">402532S</a>	25/32
										<a href="#">401316S</a>	13/16
										<a href="#">402732S</a>	27/32
										<a href="#">400708S</a>	7/8
										<a href="#">402932S</a>	29/32
										<a href="#">401516S</a>	15/16
										<a href="#">403132S</a>	31/32
										<a href="#">401000S</a>	1
<a href="#">ER11S05S</a>	STANDARD SET	<a href="#">ER16S10S</a>	STANDARD SET	<a href="#">ER20S13S</a>	STANDARD SET	<a href="#">ER25S17S</a>	STANDARD SET	<a href="#">ER32S21S</a>	STANDARD SET	<a href="#">ER40S29S</a>	STANDARD SET
Ø1/8" to 1/4"		Ø1/8" to 13/32"		Ø1/8" to 1/2"		Ø1/8" to 5/8"		Ø1/8" to 3/4"		Ø1/8" to 1"	
5pcs		10pcs		13pcs		17pcs		21pcs		29pcs	

\* Metric sealed ER collets are available on request.

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Adapter

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

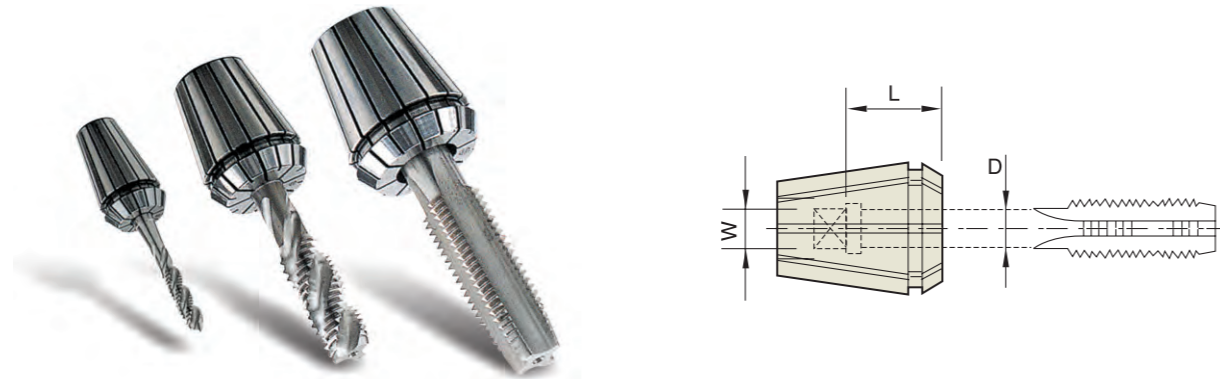
Stub Arbor

Slitting Saw Arbor

Pull Stud & Tool Clamp

TECHNICAL INFORMATION

**TAP ER COLLET (Inch Type : ANSI)**

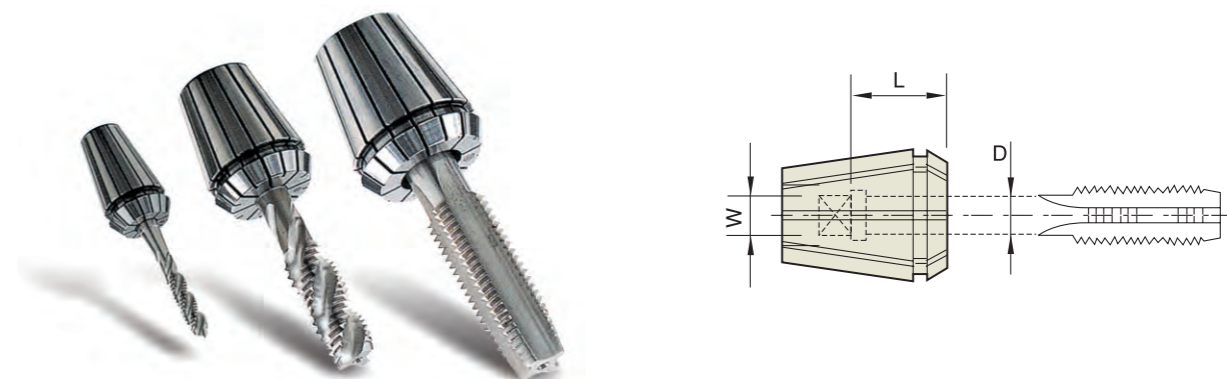


Below standard Tap ER Collet conforms to **ANSI (For STANDARD TAPS)** Unit : inch

RD 11TC						RD 16TC						RD 20TC					
EDP No.	TAP		D(∅)	W(□)	L	EDP No.	TAP		D(∅)	W(□)	L	EDP No.	TAP		D(∅)	W(□)	L
	Inch	Metric					Inch	Metric					Inch	Metric			
<a href="#">11TC1411</a>	#6	M3	.141	.110	.472	<a href="#">16TC1411</a>	#6	M3	.141	.110	.709	<a href="#">20TC1411</a>	#6	M3	0.141	0.110	0.709
<a href="#">11TC1613</a>	#8	M4	.168	.131	.472	<a href="#">16TC1613</a>	#8	M4	.168	.131	.709	<a href="#">20TC1613</a>	#8	M4	0.168	0.131	0.709
<a href="#">11TC1915</a>	#10	M4.5+M5	.194	.152	.472	<a href="#">16TC1915</a>	#10	M4.5+M5	.194	.152	.709	<a href="#">20TC1915</a>	#10	M4.5+M5	0.194	0.152	0.709
<a href="#">11TC2216</a>	#12	-	.220	.165	.551	<a href="#">16TC2216</a>	#12	-	.220	.165	.709	<a href="#">20TC2216</a>	#12	-	0.220	0.165	0.709
<a href="#">11TC2519</a>	1/4	M6	.255	.191	.551	<a href="#">16TC2519</a>	1/4	M6	.255	.191	.709	<a href="#">20TC2519</a>	1/4	M6	0.255	0.191	0.709
						<a href="#">16TC3123</a>	5/16	M7+M8	.318	.238	.709	<a href="#">20TC3123</a>	5/16	M7+M8	0.318	0.238	0.866
						<a href="#">16TC3224</a>	7/16	-	.323	.242	.709	<a href="#">20TC3828</a>	3/8	M10	0.381	0.286	0.866
											<a href="#">20TC3224</a>	7/16	-	0.323	0.242	0.866	
											<a href="#">20TC3622</a>	1/2	M12	0.367	0.275	0.866	

RD 25TC						RD 32TC						RD 40TC					
EDP No.	TAP		D(∅)	W(□)	L	EDP No.	TAP		D(∅)	W(□)	L	EDP No.	TAP		D(∅)	W(□)	L
	Inch	Metric					Inch	Metric					Inch	Metric			
<a href="#">25TC1411</a>	#6	M3	0.141	0.110	0.709	<a href="#">32TC1411</a>	#6	M3	0.141	0.110	0.709	<a href="#">40TC1411</a>	#6	M3	0.141	0.110	0.709
<a href="#">25TC1613</a>	#8	M4	0.168	0.131	0.709	<a href="#">32TC1613</a>	#8	M4	0.168	0.131	0.709	<a href="#">40TC1613</a>	#8	M4	0.168	0.131	0.709
<a href="#">25TC1915</a>	#10	M4.5+M5	0.194	0.152	0.709	<a href="#">32TC1915</a>	#10	M4.5+M5	0.194	0.152	0.709	<a href="#">40TC1915</a>	#10	M4.5+M5	0.194	0.152	0.709
<a href="#">25TC2216</a>	#12	-	0.220	0.165	0.709	<a href="#">32TC2216</a>	#12	-	0.220	0.165	0.709	<a href="#">40TC2216</a>	#12	-	0.220	0.165	0.709
<a href="#">25TC2519</a>	1/4	M6	0.255	0.191	0.709	<a href="#">32TC2519</a>	1/4	M6	0.255	0.191	0.709	<a href="#">40TC2519</a>	1/4	M6	0.255	0.191	0.709
<a href="#">25TC3123</a>	5/16	M7+M8	0.318	0.238	0.866	<a href="#">32TC3123</a>	5/16	M7+M8	0.318	0.238	0.866	<a href="#">40TC3123</a>	5/16	M7+M8	0.318	0.238	0.866
<a href="#">25TC3828</a>	3/8	M10	0.381	0.286	0.866	<a href="#">32TC3828</a>	3/8	M10	0.381	0.286	0.866	<a href="#">40TC3828</a>	3/8	M10	0.381	0.286	0.866
<a href="#">25TC3224</a>	7/16	-	0.323	0.242	0.866	<a href="#">32TC3224</a>	7/16	-	0.323	0.242	0.866	<a href="#">40TC3224</a>	7/16	-	0.323	0.242	0.866
<a href="#">25TC3622</a>	1/2	M12	0.367	0.275	0.866	<a href="#">32TC3622</a>	1/2	M12	0.367	0.275	0.866	<a href="#">40TC3622</a>	1/2	M12	0.367	0.275	0.866
<a href="#">25TC4232</a>	9/16	M14	0.429	0.322	0.984	<a href="#">32TC4232</a>	9/16	M14	0.429	0.322	0.984	<a href="#">40TC4232</a>	9/16	M14	0.429	0.322	0.984
<a href="#">25TC4836</a>	5/8	M16	0.480	0.360	0.984	<a href="#">32TC4836</a>	5/8	M16	0.480	0.360	0.984	<a href="#">40TC4836</a>	5/8	M16	0.480	0.360	0.984
<a href="#">25TC5440</a>	11/16	M18	0.542	0.406	0.984	<a href="#">32TC5440</a>	11/16	M18	0.542	0.406	0.984	<a href="#">40TC5440</a>	11/16	M18	0.542	0.406	0.984
<a href="#">25TC5944</a>	3/4	-	0.590	0.442	0.984	<a href="#">32TC5944</a>	3/4	-	0.590	0.442	0.984	<a href="#">40TC5944</a>	3/4	-	0.590	0.442	0.984
						<a href="#">32TC6548</a>	13/16	M20	0.652	0.489	0.984	<a href="#">40TC6548</a>	13/16	M20	0.652	0.489	0.984
											<a href="#">40TC6952</a>	7/8	M22	0.697	0.523	0.984	
											<a href="#">40TC7657</a>	15/16	M24	0.760	0.570	0.984	
											<a href="#">40TC8060</a>	1	M25	0.800	0.600	1.102	

**TAP ER COLLET (Inch Type : ANSI)**



Below standard Tap ER Collet conforms to **ANSI (For PIPE TAPS)** Unit : inch

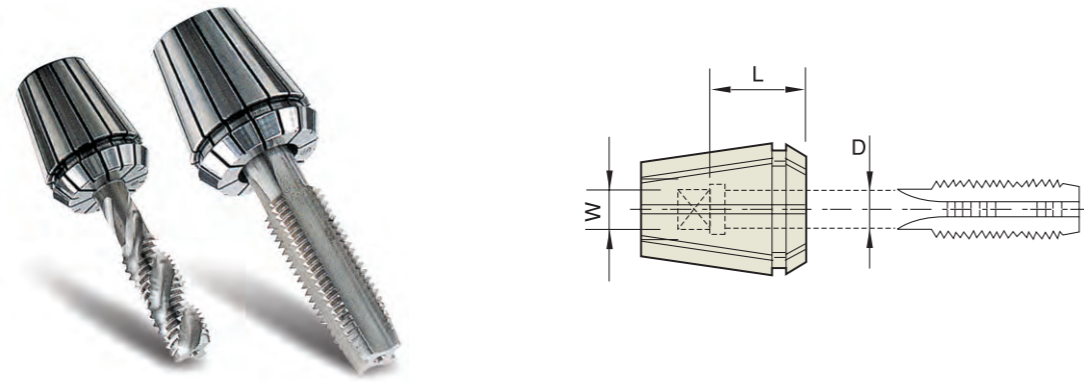
RD 16TCP					RD 20TCP					RD 25TCP				
EDP No.	TAP Inch	D(∅)	W(□)	L	EDP No.	TAP Inch	D(∅)	W(□)	L	EDP No.	TAP Inch	D(∅)	W(□)	L
<a href="#">16TP4332</a>	1/8(LS)	.437	.328	.709	<a href="#">20TP4332</a>	1/8(LS)	.437	.328	.787	<a href="#">25TP4332</a>	1/8(LS)	.437	.328	.787

RD 32TCP					RD 40TCP				
EDP No.	TAP Inch	D(∅)	W(□)	L	EDP No.	TAP Inch	D(∅)	W(□)	L
<a href="#">32TP4332</a>	1/8(LS)	.437	.328	.787	<a href="#">40TP4332</a>	1/8(LS)	.437	.328	.787
<a href="#">32TP5642</a>	1/4	.562	.420	.787	<a href="#">40TP5642</a>	1/4	.562	.420	.787
					<a href="#">40TP7053</a>	3/8	.700	.530	.866
					<a href="#">40TP6851</a>	1/2	.687	.515	.866
					<a href="#">40TP9067</a>	3/4	.906	.679	.945

\* SS : Short Series / LS : Long Series

**TAP ER COLLET (Metric Type : JIS)**



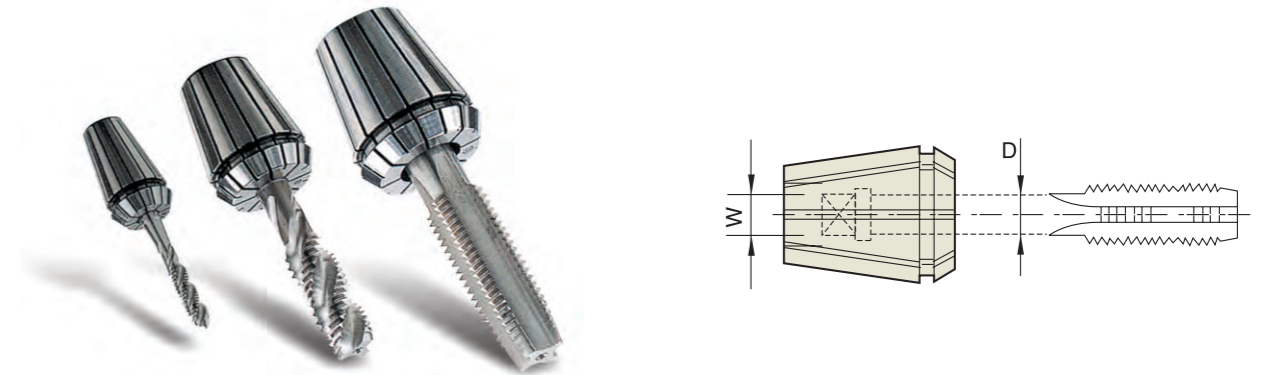
**Below standard Tap ER Collet conforms to JIS**

Unit : mm

RDT 16					RDT 20					RDT 25				
EDP No.	TAP	D(Ø)	W(□)	L	EDP No.	TAP	D(Ø)	W(□)	L	EDP No.	TAP	D(Ø)	W(□)	L
<a href="#">16T30025</a>	M2	3.0	2.5	15	<a href="#">20T40032</a>	M3	4.0	3.2	15	<a href="#">25T40032</a>	M3	4.0	3.2	15
<a href="#">16T40032</a>	M3	4.0	3.2	15	<a href="#">20T50040</a>	M4	5.0	4.0	15	<a href="#">25T50032</a>	M4	5.0	4.0	15
<a href="#">16T50040</a>	M4	5.0	4.0	15	<a href="#">20T55045</a>	M5	5.5	4.5	15	<a href="#">25T55045</a>	M5	5.5	4.5	15
<a href="#">16T55045</a>	M5	5.5	4.5	15	<a href="#">20T60045</a>	M6	6.0	4.5	15	<a href="#">25T60045</a>	M6	6.0	4.5	15
<a href="#">16T60045</a>	M6	6.0	4.5	15	<a href="#">20T62050</a>	M8	6.2	5.0	20	<a href="#">25T62050</a>	M8	6.2	5.0	20
<a href="#">16T62050</a>	M8	6.2	5.0	15	<a href="#">20T70055</a>	M10	7.0	5.5	20	<a href="#">25T70055</a>	M10	7.0	5.5	20
										<a href="#">25T85065</a>	M12	8.5	6.5	20
										<a href="#">25T10580</a>	M14	10.5	8.0	20

RDT 32					RDT 40				
EDP No.	TAP	D(Ø)	W(□)	L	EDP No.	TAP	D(Ø)	W(□)	L
<a href="#">32T50040</a>	M4	5.0	4.0	15	<a href="#">40T62050</a>	M8	6.2	5.0	20
<a href="#">32T55045</a>	M5	5.5	4.5	15	<a href="#">40T70055</a>	M10	7.0	5.5	20
<a href="#">32T60045</a>	M6	6.0	4.5	15	<a href="#">40T85065</a>	M12	8.5	6.5	25
<a href="#">32T62050</a>	M8	6.2	5.0	20	<a href="#">40T10580</a>	M14	10.5	8.0	25
<a href="#">32T70055</a>	M10	7.0	5.5	20	<a href="#">40T12510</a>	M16	12.5	10.0	25
<a href="#">32T85065</a>	M12	8.5	6.5	20	<a href="#">40T14011</a>	M18	14.0	11.0	25
<a href="#">32T10560</a>	M14	10.5	8.0	20	<a href="#">40T15012</a>	M20	15.0	12.0	28
<a href="#">32T12510</a>	M16	12.5	10.0	20	<a href="#">40T17013</a>	M22	17.0	13.0	28
<a href="#">32T14011</a>	M18	14.0	11.0	20	<a href="#">40T19015</a>	M24	19.0	15.0	28

**TAP ER COLLET (Metric Type : DIN)**

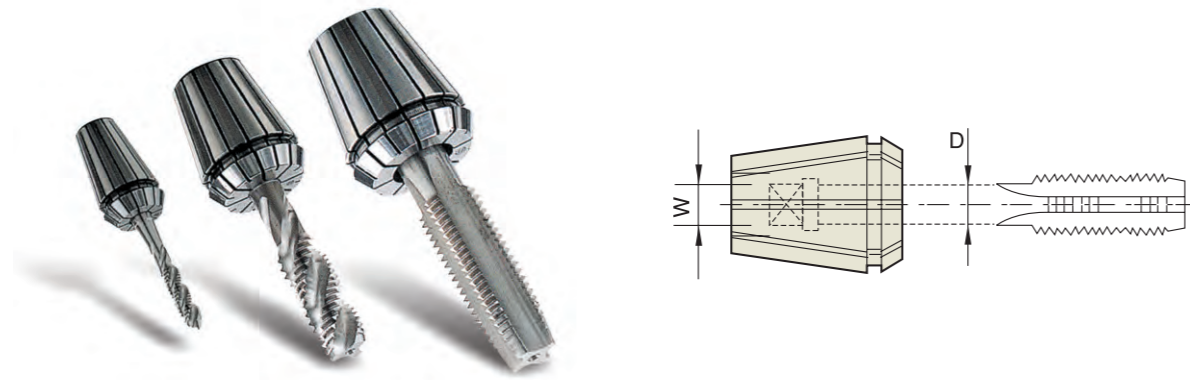


**Below standard Tap ER Collet conforms to DIN**

Unit : mm

DIN STANDARD			RD 11TCD			RD 16TCD			RD 20TCD		
DIN 374/376	DIN 352/2181	DIN 371	EDP No.	D(Ø)	W(□)	EDP No.	D(Ø)	W(□)	EDP No.	D(Ø)	W(□)
M5	M3	M3	<a href="#">11TD3527</a>	3.5	2.7	<a href="#">16TD3527</a>	3.5	2.7	<a href="#">20TD3527</a>	3.5	2.7
M5.5	M3.5	M3.5	<a href="#">11TD4030</a>	4.0	3.0	<a href="#">16TD4030</a>	4.0	3.0	<a href="#">20TD4030</a>	4.0	3.0
M6	M4	M4	<a href="#">11TD4534</a>	4.5	3.4	<a href="#">16TD4534</a>	4.5	3.4	<a href="#">20TD4534</a>	4.5	3.4
M5	-	-	<a href="#">11TD5040</a>	5.0	4.0	<a href="#">16TD5040</a>	5.0	4.0	<a href="#">20TD5040</a>	5.0	4.0
M7	-	-	<a href="#">11TD5543</a>	5.5	4.3	<a href="#">16TD5543</a>	5.5	4.3	<a href="#">20TD5543</a>	5.5	4.3
M8	M4.5-M8	M4.5-M8	<a href="#">11TD6049</a>	6.0	4.9	<a href="#">16TD6049</a>	6.0	4.9	<a href="#">20TD6049</a>	6.0	4.9
M9+M10	M9+M10	M7				<a href="#">16TD7055</a>	7.0	5.5	<a href="#">20TD7055</a>	7.0	5.5
M11	M11	M8							<a href="#">20TD8062</a>	8.0	6.2
M12	M12	M9							<a href="#">20TD9070</a>	9.0	7.0
-	-	M10							<a href="#">20TD10080</a>	10.0	8.0
M13+M14	M13+M14	-									
M15-M17	M15-M17	-									
M18+M19	M18+M19	-									
M20+M21	M20+M21	-									
M22-M26	M22-M26	-									
M27+M28	M27+M28	-									
M29-M32	M29-M32	-									
M33	M33	-									
M34-M38	M34-M38	-									
M39-M42	M39-M42	-									

**TAP ER COLLET (Metric Type : DIN)**



Below standard Tap ER Collet conforms to **DIN**

Unit : mm

RD 25TCD			RD 32TCD			RD 40TCD			RD 50TCD		
EDP No.	D(∅)	W(□)	EDP No.	D(∅)	W(□)	EDP No.	D(∅)	W(□)	EDP No.	D(∅)	W(□)
25TD3527	3.5	2.7	<a href="#">32TD3527</a>	3.5	2.7	40TD3527	3.5	2.7			
25TD4030	4.0	3.0	<a href="#">32TD4030</a>	4.0	3.0	40TD4030	4.0	3.0			
25TD4534	4.5	3.4	<a href="#">32TD4534</a>	4.5	3.4	40TD4534	4.5	3.4			
25TD5040	5.0	4.0	<a href="#">32TD5040</a>	5.0	4.0	40TD5040	5.0	4.0			
25TD5543	5.5	4.3	<a href="#">32TD5543</a>	5.5	4.3	40TD5543	5.5	4.3			
25TD6049	6.0	4.9	<a href="#">32TD6049</a>	6.0	4.9	40TD6049	6.0	4.9			
25TD7055	7.0	5.5	<a href="#">32TD7055</a>	7.0	5.5	40TD7055	7.0	5.5			
25TD8062	8.0	6.2	<a href="#">32TD8062</a>	8.0	6.2	40TD8062	8.0	6.2	50TD8062	8.0	6.2
25TD9080	9.0	7.0	<a href="#">32TD9070</a>	9.0	7.0	40TD9070	9.0	7.0	50TD9070	9.0	7.0
25TD10090	10.0	8.0	<a href="#">32TD10080</a>	10.0	8.0	40TD10080	10.0	8.0	50TD10080	10.0	8.0
25TD11090	11.0	9.0	<a href="#">32TD11090</a>	11.0	9.0	40TD11090	11.0	9.0	50TD11090	11.0	9.0
25TD12090	12.0	9.0	<a href="#">32TD12090</a>	12.0	9.0	40TD12090	12.0	9.0	50TD12090	12.0	9.0
25TD140110	14.0	11.0	<a href="#">32TD140110</a>	14.0	11.0	40TD140110	14.0	11.0	50TD140110	14.0	11.0
25TD160120	16.0	12.0	<a href="#">32TD160120</a>	16.0	12.0	<a href="#">40TD160120</a>	16.0	12.0	50TD160120	16.0	12.0
						<a href="#">40TD180145</a>	18.0	14.5	50TD180145	18.0	14.5
						40TD200160	20.0	16.0	50TD200160	20.0	16.0
						<a href="#">40TD220180</a>	22.0	18.0	50TD220180	22.0	18.0
									50TD250200	25.0	20.0
									50TD280220	28.0	22.0
									50TD320240	32.0	24.0

**ER NUT**

FIG.1

EDP No.	SERIES	TYPE
<a href="#">ZZ061</a>	ER11 - NUT	FIG.1
<a href="#">ZZ063</a>	ER16 - NUT	FIG.1
<a href="#">ZZ066</a>	ER20 - NUT	FIG.1

FIG.2

EDP No.	SERIES	TYPE
<a href="#">ZZ069</a>	ER25 - NUT	FIG.2
<a href="#">ZZ072</a>	ER32 - NUT	FIG.2
<a href="#">ZZ077</a>	ER40 - NUT	FIG.2

FIG.1

FIG.2



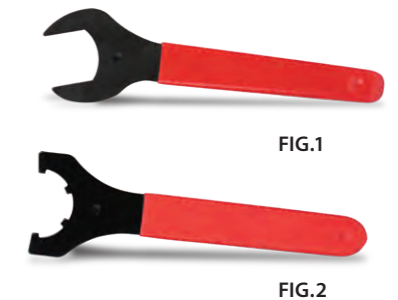
**ER WRENCH**

FIG.1

EDP No.	SERIES	TYPE
<a href="#">ZZ062</a>	ER11	FIG.1
<a href="#">ZZ064</a>	ER16	FIG.1
<a href="#">ZZ067</a>	ER20	FIG.1

EDP No.	SERIES	TYPE
<a href="#">ZZ070</a>	ER25	FIG.2
<a href="#">ZZ073</a>	ER32	FIG.2
<a href="#">ZZ076</a>	ER40	FIG.2

\* Design and shape could be changed without prior notice.



**ER STOP SCREW**

FIG.1

FIG.2

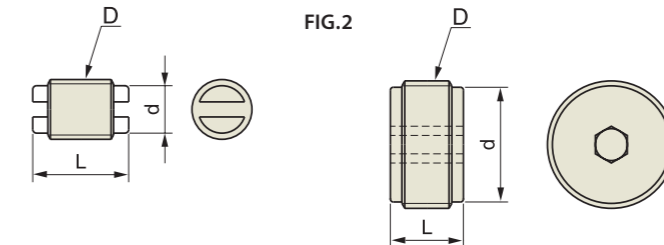


FIG.1

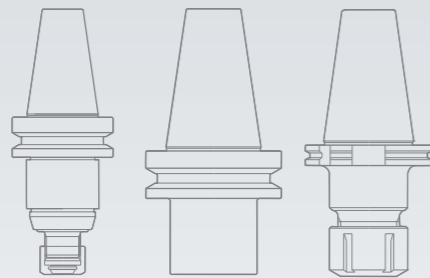
EDP No.	SERIES	L	d	D	TYPE
<a href="#">ZZ060</a>	ER11	0.50	0.25	UN 5/16 - 18	FIG.1

FIG.2

EDP No.	SERIES	L	d	D	TYPE
<a href="#">ZZ065</a>	ER16	0.50	0.35	UN 7/16 - 16	FIG.2
<a href="#">ZZ068</a>	ER20	0.50	0.48	UN 9/16 - 16	FIG.2
<a href="#">ZZ071</a>	ER25	0.50	0.60	UN 11/16 - 16	FIG.2
<a href="#">ZZ074</a>	ER32	0.50	0.79	UN 7/8 - 16	FIG.2



Global Cutting Tool Leader **YG-1**



# ROTARY TOOLING

**YG-1 ROTARY TOOLING**

# SK SLIM CHUCK



## DUAL CONTACT SK SLIM CHUCK

CAT : ASME B5.50-2009

CCT : CAT DUAL CONTACT

CBT : BT DUAL CONTACT

HSK : DIN69893/ISO12164-1

STRAIGHT-K

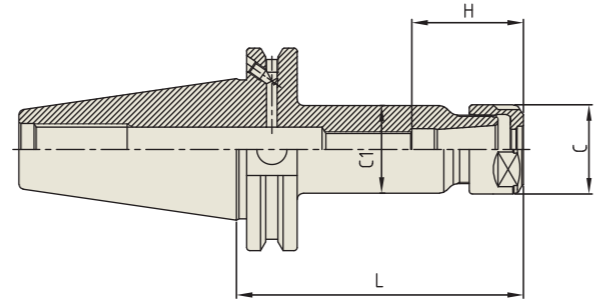
## ACCESSORY & PART

SK COLLET, SK NUT, WRENCH



CAT

SK SLIM CHUCK



ASME B5.50-2009- CAT

Collet, Nut and spanner Refer to page D145-D148

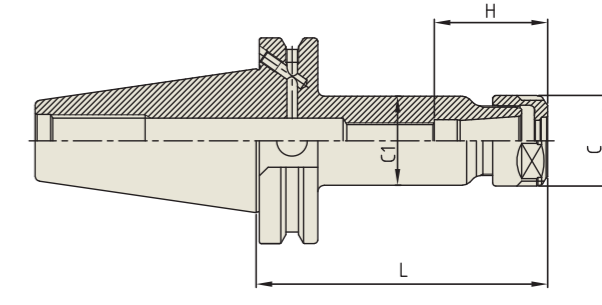


EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	C	C1	H		COLLET	
							Min.	Max.		
TK020	40	CAT40 AD/B - SKA 6 - 3.54	.036 - .236	3.540	.787	.768	.827	1.378	SKC6	
TK021		CAT40 AD/B - SKA 6 - 4.72	.036 - .236	4.720	.787	.768	.827	1.378	SKC6	
TK022		CAT40 AD/B - SKA 6 - 5.90	.036 - .236	5.900	.787	.768	.827	1.378	SKC6	
TK023		CAT40 AD/B - SKA 10 - 3.54	.068 - .394	3.540	1.102	1.083	1.181	1.969	SKC10	
TK024		CAT40 AD/B - SKA 10 - 4.72	.068 - .394	4.720	1.102	1.083	1.181	1.969	SKC10	
TK025		CAT40 AD/B - SKA 10 - 5.90	.068 - .394	5.900	1.102	1.083	1.181	1.969	SKC10	
TK026		CAT40 AD/B - SKA 13 - 3.54	.108 - .512	3.540	1.299	1.299	1.220	2.559	SKC13	
TK027		CAT40 AD/B - SKA 13 - 4.72	.108 - .512	4.720	1.299	1.299	1.220	2.559	SKC13	
TK028		CAT40 AD/B - SKA 13 - 5.90	.108 - .512	5.900	1.299	1.299	1.220	2.559	SKC13	
TK029		CAT40 AD/B - SKA 16 - 3.54	.108 - .630	3.540	1.575	1.575	1.772	2.756	SKC16	
TK030		CAT40 AD/B - SKA 16 - 4.72	.108 - .630	4.720	1.575	1.575	1.772	2.756	SKC16	
TK031		CAT40 AD/B - SKA 16 - 5.90	.108 - .630	5.900	1.575	1.575	1.772	2.756	SKC16	
TK032		CAT40 AD/B - SKA 20 - 3.54	.138 - .787	3.540	1.909	1.909	1.850	3.150	SKC20	
TK033		CAT40 AD/B - SKA 20 - 4.72	.138 - .787	4.720	1.909	1.909	1.850	3.150	SKC20	
TK034		CAT40 AD/B - SKA 20 - 5.90	.138 - .787	5.900	1.909	1.909	1.850	3.150	SKC20	
TK035		CAT40 AD/B - SKA 25 - 3.54	.630 - 1.000	3.540	2.165	2.165	2.165	3.346	SKC25	
TK036		CAT40 AD/B - SKA 25 - 4.72	.630 - 1.000	4.720	2.165	2.165	2.165	3.346	SKC25	
TK037		CAT40 AD/B - SKA 25 - 5.90	.630 - 1.000	5.900	2.165	2.165	2.165	3.346	SKC25	
TL020		50	CAT50 AD/B - SKA 6 - 4.13	.036 - .236	4.130	.787	.768	.827	1.378	SKC6
TL021			CAT50 AD/B - SKA 6 - 5.31	.036 - .236	5.310	.787	.768	.827	1.378	SKC6
TL022	CAT50 AD/B - SKA 6 - 6.50		.036 - .236	6.500	.787	.768	.827	1.378	SKC6	
TL023	CAT50 AD/B - SKA 6 - 7.68		.036 - .236	7.680	.787	.768	.827	1.378	SKC6	
TL024	CAT50 AD/B - SKA 10 - 4.13		.068 - .394	4.130	1.102	1.083	1.181	1.969	SKC10	
TL025	CAT50 AD/B - SKA 10 - 5.31		.068 - .394	5.310	1.102	1.083	1.181	1.969	SKC10	
TL026	CAT50 AD/B - SKA 10 - 6.50		.068 - .394	6.500	1.102	1.083	1.181	1.969	SKC10	
TL027	CAT50 AD/B - SKA 10 - 7.68		.068 - .394	7.680	1.102	1.083	1.181	1.969	SKC10	
TL028	CAT50 AD/B - SKA 13 - 4.13		.108 - .512	4.130	1.299	1.299	1.220	2.559	SKC13	
TL029	CAT50 AD/B - SKA 13 - 5.31		.108 - .512	5.310	1.299	1.299	1.220	2.559	SKC13	
TL030	CAT50 AD/B - SKA 13 - 6.50		.108 - .512	6.500	1.299	1.299	1.220	2.559	SKC13	
TL031	CAT50 AD/B - SKA 13 - 7.68		.108 - .512	7.680	1.299	1.299	1.220	2.559	SKC13	
TL032	CAT50 AD/B - SKA 16 - 4.13		.108 - .630	4.130	1.575	1.575	1.772	2.362	SKC16	
TL033	CAT50 AD/B - SKA 16 - 5.31		.108 - .630	5.310	1.575	1.575	1.772	2.756	SKC16	
TL034	CAT50 AD/B - SKA 16 - 6.50		.108 - .630	6.500	1.575	1.575	1.772	2.756	SKC16	
TL035	CAT50 AD/B - SKA 16 - 7.68		.108 - .630	7.680	1.575	1.575	1.772	2.756	SKC16	
TL036	CAT50 AD/B - SKA 20 - 4.13		.138 - .787	4.130	1.909	1.909	1.850	3.150	SKC20	
TL037	CAT50 AD/B - SKA 20 - 5.31		.138 - .787	5.310	1.909	1.909	1.850	3.150	SKC20	
TL038	CAT50 AD/B - SKA 20 - 6.50		.138 - .787	6.500	1.909	1.909	1.850	3.150	SKC20	
TL039	CAT50 AD/B - SKA 20 - 7.68		.138 - .787	7.680	1.909	1.909	1.850	3.150	SKC20	
TL040	CAT50 AD/B - SKA 25 - 4.13		.630 - 1.000	4.130	2.165	2.165	2.165	3.346	SKC25	
TL041	CAT50 AD/B - SKA 25 - 5.31		.630 - 1.000	5.310	2.165	2.165	2.165	3.346	SKC25	
TL042	CAT50 AD/B - SKA 25 - 6.50		.630 - 1.000	6.500	2.165	2.165	2.165	3.346	SKC25	
TL043	CAT50 AD/B - SKA 25 - 7.68	.630 - 1.000	7.680	2.165	2.165	2.165	3.346	SKC25		



CCT

DUAL CONTACT SK SLIM CHUCK



CCT (CAT DUAL CONTACT)

Collet, Nut and spanner Refer to page D145-D148



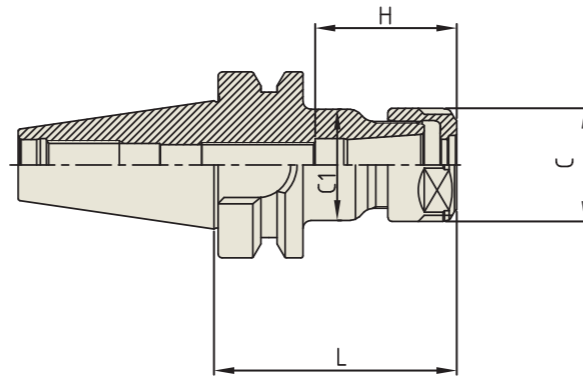
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	C	C1	H		COLLET	
							Min.	Max.		
TB020	40	CCT40 AD/B - SKA 6 - 3.54	.036 - .236	3.540	.787	.768	.827	1.378	SKC6	
TB021		CCT40 AD/B - SKA 6 - 4.72	.036 - .236	4.720	.787	.768	.827	1.378	SKC6	
TB022		CCT40 AD/B - SKA 6 - 5.90	.036 - .236	5.900	.787	.768	.827	1.378	SKC6	
TB023		CCT40 AD/B - SKA 10 - 3.54	.068 - .394	3.540	1.102	1.083	1.181	1.969	SKC10	
TB024		CCT40 AD/B - SKA 10 - 4.72	.068 - .394	4.720	1.102	1.083	1.181	1.969	SKC10	
TB025		CCT40 AD/B - SKA 10 - 5.90	.068 - .394	5.900	1.102	1.083	1.181	1.969	SKC10	
TB026		CCT40 AD/B - SKA 13 - 3.54	.108 - .512	3.540	1.299	1.299	1.220	2.559	SKC13	
TB027		CCT40 AD/B - SKA 13 - 4.72	.108 - .512	4.720	1.299	1.299	1.220	2.559	SKC13	
TB028		CCT40 AD/B - SKA 13 - 5.90	.108 - .512	5.900	1.299	1.299	1.220	2.559	SKC13	
TB029		CCT40 AD/B - SKA 16 - 3.54	.108 - .630	3.540	1.575	1.575	1.772	2.756	SKC16	
TB030		CCT40 AD/B - SKA 16 - 4.72	.108 - .630	4.720	1.575	1.575	1.772	2.756	SKC16	
TB031		CCT40 AD/B - SKA 16 - 5.90	.108 - .630	5.900	1.575	1.575	1.772	2.756	SKC16	
TB032		CCT40 AD/B - SKA 20 - 3.54	.138 - .787	3.540	1.909	1.909	1.850	3.150	SKC20	
TB033		CCT40 AD/B - SKA 20 - 4.72	.138 - .787	4.720	1.909	1.909	1.850	3.150	SKC20	
TB034		CCT40 AD/B - SKA 20 - 5.90	.138 - .787	5.900	1.909	1.909	1.850	3.150	SKC20	
TB035		CCT40 AD/B - SKA 25 - 3.54	.630 - 1.000	3.540	2.165	2.165	2.165	3.346	SKC25	
TB036		CCT40 AD/B - SKA 25 - 4.72	.630 - 1.000	4.720	2.165	2.165	2.165	3.346	SKC25	
TB037		CCT40 AD/B - SKA 25 - 5.90	.630 - 1.000	5.900	2.165	2.165	2.165	3.346	SKC25	
TC020		50	CCT50 AD/B - SKA 6 - 4.13	.036 - .236	4.130	.787	.768	.827	1.378	SKC6
TC021			CCT50 AD/B - SKA 6 - 5.31	.036 - .236	5.310	.787	.768	.827	1.378	SKC6
TC022	CCT50 AD/B - SKA 6 - 6.50		.036 - .236	6.500	.787	.768	.827	1.378	SKC6	
TC023	CCT50 AD/B - SKA 6 - 7.68		.036 - .236	7.680	.787	.768	.827	1.378	SKC6	
TC024	CCT50 AD/B - SKA 10 - 4.13		.068 - .394	4.130	1.102	1.083	1.181	1.969	SKC10	
TC025	CCT50 AD/B - SKA 10 - 5.31		.068 - .394	5.310	1.102	1.083	1.181	1.969	SKC10	
TC026	CCT50 AD/B - SKA 10 - 6.50		.068 - .394	6.500	1.102	1.083	1.181	1.969	SKC10	
TC027	CCT50 AD/B - SKA 10 - 7.68		.068 - .394	7.680	1.102	1.083	1.181	1.969	SKC10	
TC028	CCT50 AD/B - SKA 13 - 4.13		.108 - .512	4.130	1.299	1.299	1.220	2.559	SKC13	
TC029	CCT50 AD/B - SKA 13 - 5.31		.108 - .512	5.310	1.299	1.299	1.220	2.559	SKC13	
TC030	CCT50 AD/B - SKA 13 - 6.50		.108 - .512	6.500	1.299	1.299	1.220	2.559	SKC13	
TC031	CCT50 AD/B - SKA 13 - 7.68		.108 - .512	7.680	1.299	1.299	1.220	2.559	SKC13	
TC032	CCT50 AD/B - SKA 16 - 4.13		.108 - .630	4.130	1.575	1.575	1.772	2.362	SKC16	
TC033	CCT50 AD/B - SKA 16 - 5.31		.108 - .630	5.310	1.575	1.575	1.772	2.756	SKC16	
TC034	CCT50 AD/B - SKA 16 - 6.50		.108 - .630	6.500	1.575	1.575	1.772	2.756	SKC16	
TC035	CCT50 AD/B - SKA 16 - 7.68		.108 - .630	7.680	1.575	1.575	1.772	2.756	SKC16	
TC036	CCT50 AD/B - SKA 20 - 4.13		.138 - .787	4.130	1.909	1.909	1.850	3.150	SKC20	
TC037	CCT50 AD/B - SKA 20 - 5.31		.138 - .787	5.310	1.909	1.909	1.850	3.150	SKC20	
TC038	CCT50 AD/B - SKA 20 - 6.50		.138 - .787	6.500	1.909	1.909	1.850	3.150	SKC20	
TC039	CCT50 AD/B - SKA 20 - 7.68		.138 - .787	7.680	1.909	1.909	1.850	3.150	SKC20	
TC040	CCT50 AD/B - SKA 25 - 4.13		.630 - 1.000	4.130	2.165	2.165	2.165	3.346	SKC25	
TC041	CCT50 AD/B - SKA 25 - 5.31		.630 - 1.000	5.310	2.165	2.165	2.165	3.346	SKC25	
TC042	CCT50 AD/B - SKA 25 - 6.50		.630 - 1.000	6.500	2.165	2.165	2.165	3.346	SKC25	
TC043	CCT50 AD/B - SKA 25 - 7.68	.630 - 1.000	7.680	2.165	2.165	2.165	3.346	SKC25		

Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION



**DUAL CONTACT SK SLIM CHUCK**



**CBT (BT DUAL CONTACT)**

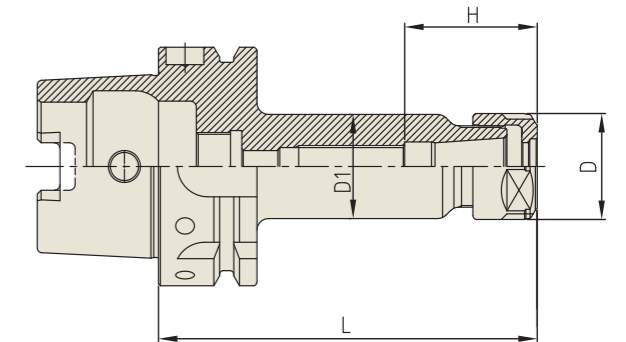
Collet, Nut and spanner Refer to page D111-D114



Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	C	C1	H		COLLET
							Min.	Max.	
<a href="#">TD100</a>	30	CBT30 - SKA 06 - 60	0.9 - 6.00	60	20.0	19.5	21	35	SKC6
<a href="#">TD102</a>		CBT30 - SKA 06 - 90	0.9 - 6.00	90	20.0	19.5	21	35	SKC6
<a href="#">TD104</a>		CBT30 - SKA 10 - 60	1.75 - 10.0	60	28.0	27.5	30	50	SKC10
<a href="#">TD106</a>		CBT30 - SKA 10 - 90	1.75 - 10.0	90	28.0	27.5	30	50	SKC10
<a href="#">TD108</a>		CBT30 - SKA 13 - 60	2.75 - 13.0	60	33.0	33.0	31	65	SKC13
<a href="#">TD110</a>		CBT30 - SKA 13 - 90	2.75 - 13.0	90	33.0	33.0	31	65	SKC13
<a href="#">TD112</a>		CBT30 - SKA 16 - 60	2.75 - 16.0	60	40.0	40.0	45	60	SKC16
<a href="#">TD114</a>		CBT30 - SKA 16 - 90	2.75 - 16.0	90	40.0	40.0	45	60	SKC16
<a href="#">TD116</a>		CBT30 - SKA 20 - 60	4.0 - 20.0	60	48.5	48.5	65	75	SKC20
<a href="#">TD118</a>		CBT30 - SKA 20 - 90	4.0 - 20.0	90	48.5	48.5	65	75	SKC20
<a href="#">TD120</a>		CBT30 - SKA 25 - 90	16.0 - 25.4	90	55.0	55.0	55	75	SKC25
<a href="#">TE100</a>		40	CBT40 - SKA 06 - 90	0.9 - 6.00	90	20.0	19.5	21	35
<a href="#">TE102</a>	CBT40 - SKA 06 - 120		0.9 - 6.00	120	20.0	19.5	21	35	SKC6
<a href="#">TE104</a>	CBT40 - SKA 06 - 150		0.9 - 6.00	150	20.0	19.5	21	35	SKC6
<a href="#">TE106</a>	CBT40 - SKA 10 - 90		1.75 - 10.0	90	28.0	27.5	30	50	SKC10
<a href="#">TE108</a>	CBT40 - SKA 10 - 120		1.75 - 10.0	120	28.0	27.5	30	50	SKC10
<a href="#">TE110</a>	CBT40 - SKA 10 - 150		1.75 - 10.0	150	28.0	27.5	30	50	SKC10
<a href="#">TE112</a>	CBT40 - SKA 13 - 90		2.75 - 13.0	90	33.0	33.0	31	65	SKC13
<a href="#">TE114</a>	CBT40 - SKA 13 - 120		2.75 - 13.0	120	33.0	33.0	31	65	SKC13
<a href="#">TE116</a>	CBT40 - SKA 13 - 150		2.75 - 13.0	150	33.0	40.0	31	65	SKC13
<a href="#">TE118</a>	CBT40 - SKA 16 - 90		2.75 - 16.0	90	40.0	40.0	45	70	SKC16
<a href="#">TE121</a>	CBT40 - SKA 16 - 120		2.75 - 16.0	120	40.0	40.0	45	70	SKC16
<a href="#">TE122</a>	CBT40 - SKA 16 - 150		2.75 - 16.0	150	40.0	40.0	45	70	SKC16
<a href="#">TE124</a>	CBT40 - SKA 20 - 90		4.0 - 20.0	90	48.5	48.5	47	80	SKC20
<a href="#">TE126</a>	CBT40 - SKA 20 - 120		4.0 - 20.0	120	48.5	48.5	47	80	SKC20
<a href="#">TE128</a>	CBT40 - SKA 20 - 150		4.0 - 20.0	150	48.5	48.5	47	80	SKC20
<a href="#">TE130</a>	CBT40 - SKA 25 - 90		16.0 - 25.4	90	55.0	55.0	55	85	SKC25
<a href="#">TE132</a>	CBT40 - SKA 25 - 120		16.0 - 25.4	120	55.0	55.0	55	85	SKC25
<a href="#">TE134</a>	CBT40 - SKA 25 - 150		16.0 - 25.4	150	55.0	55.0	55	85	SKC25

**DUAL CONTACT SK SLIM CHUCK**



**DIN 69893/ ISO 12164-1-HSK FORM A**

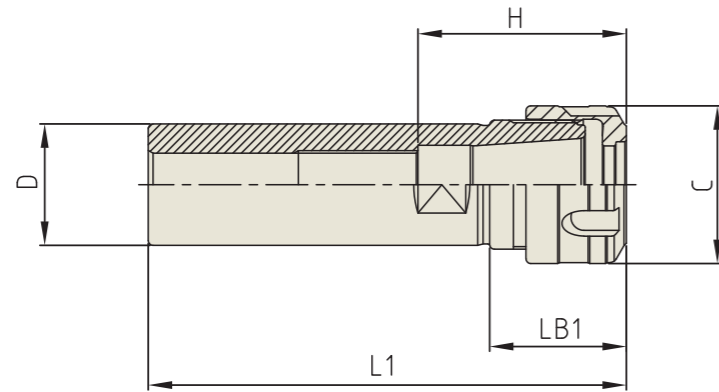
Collet, Nut and spanner Refer to page D111-D114



Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	D1	L	H		COLLET
							Min.	Max.	
<a href="#">TO100</a>	63A	HSK63A - SKA 06 - 100	0.9 - 6.0	20.0	19.5	100	21	35	SKC6
<a href="#">TO102</a>		HSK63A - SKA 10 - 100	1.75 - 10.0	28.0	27.5	100	30	50	SKC10
<a href="#">TO104</a>		HSK63A - SKA 13 - 100	2.75 - 13.0	33.0	33.0	100	31	65	SKC13
<a href="#">TO106</a>		HSK63A - SKA 16 - 120	2.75 - 16.0	40.0	40.0	120	45	70	SKC16
<a href="#">TO108</a>		HSK63A - SKA 20 - 120	4.0 - 20.0	48.5	48.5	120	65	75	SKC20
<a href="#">TO110</a>		HSK63A - SKA 25 - 150	16.0 - 25.4	55.0	55.0	150	55	85	SKC25
<a href="#">TR100</a>	100A	HSK100A - SKA 06 - 120	0.9 - 6.0	20.0	19.5	120	21	35	SKC6
<a href="#">TR102</a>		HSK100A - SKA 10 - 150	1.75 - 10.0	28.0	27.5	150	30	50	SKC10
<a href="#">TR104</a>		HSK100A - SKA 13 - 150	2.75 - 13.0	33.0	40.0	150	31	65	SKC13
<a href="#">TR106</a>		HSK100A - SKA 16 - 150	2.75 - 16.0	40.0	40.0	150	45	70	SKC16
<a href="#">TR108</a>		HSK100A - SKA 20 - 150	4.0 - 20.0	48.5	48.5	150	65	75	SKC20
<a href="#">TR110</a>		HSK100A - SKA 25 - 160	16.0 - 25.4	55.0	55.0	160	55	85	SKC25

**STRAIGHT SK SLIM CHUCK**

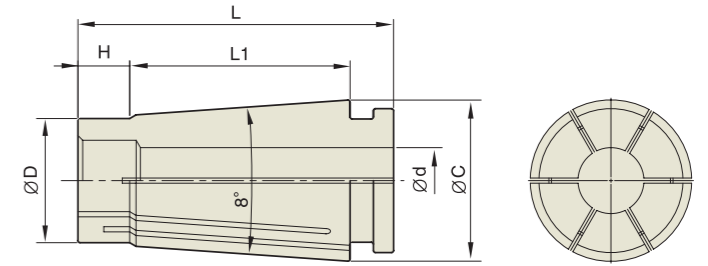


**STRAIGHT-K**

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	C	L1	H		COLLET
							Min.	Max.	
<a href="#">TS020</a>	K3/4	K3/4-SKA6-100	.035 ~ .236	.750	.787	3.937	.827	1.378	SKC6
<a href="#">TS021</a>		K3/4-SKA6-140	.035 ~ .236	.750	.787	5.512	.827	1.378	SKC6
<a href="#">TS022</a>		K3/4-SKA10-100	.069 ~ .394	.750	1.102	3.937	1.181	1.969	SKC10
<a href="#">TS023</a>		K3/4-SKA10-140	.069 ~ .394	.750	1.102	5.512	1.181	1.969	SKC10
<a href="#">TS030</a>	K1	K1-SKA6-100	.035 ~ .236	.787	3.937	.827	.827	1.378	SKC6
<a href="#">TS031</a>		K1-SKA6-140	.035 ~ .236	.787	5.512	.827	.827	1.378	SKC6
<a href="#">TS032</a>		K1-SKA10-100	.069 ~ .394	1.102	3.937	1.181	1.181	1.969	SKC10
<a href="#">TS033</a>		K1-SKA10-150	.069 ~ .394	1.102	5.906	1.181	1.181	1.969	SKC10
<a href="#">TS034</a>		K1-SKA13-100	.108 ~ .512	1.299	3.937	1.22	1.220	2.559	SKC13
<a href="#">TS035</a>		K1-SKA13-150	.108 ~ .512	1.299	5.906	1.22	1.220	2.559	SKC13
<a href="#">TS040</a>	K1-1/4	K1 1/4-SKA10-100	.069 ~ .394	1.250	1.102	3.937	1.181	1.969	SKC10
<a href="#">TS041</a>		K1 1/4-SKA10-150	.069 ~ .394	1.250	1.102	5.906	1.181	1.969	SKC10
<a href="#">TS042</a>		K1 1/4-SKA13-100	.108 ~ .512	1.250	1.299	3.937	1.220	2.559	SKC13
<a href="#">TS043</a>		K1 1/4-SKA13-150	.108 ~ .512	1.250	1.299	5.906	1.220	2.559	SKC13
<a href="#">TS044</a>		K1 1/4-SKA16-100	.108 ~ .630	1.250	1.575	3.937	1.575	2.756	SKC16
<a href="#">TS045</a>		K1 1/4-SKA16-150	.108 ~ .630	1.250	1.575	5.906	1.575	2.756	SKC16
<a href="#">TS046</a>		K1 1/4-SKA20-100	.138 ~ .787	1.250	1.909	3.937	1.850	3.150	SKC20
<a href="#">TS047</a>	K1 1/4-SKA20-150	.138 ~ .787	1.250	1.909	5.906	1.850	3.150	SKC20	

**SK COLLET (Metric Type)**



◇ T.I.R of standard collet is 5Um at 3D.

Unit : mm

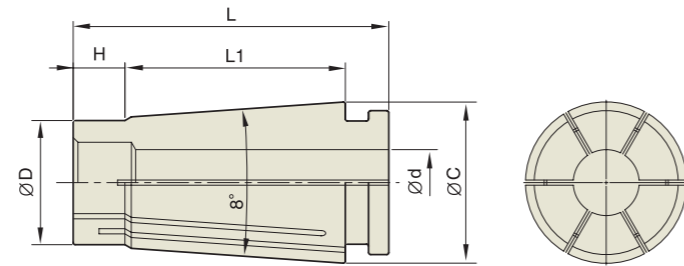
EDP No.	TYPE	MODEL No.	CLAMPING RANGE (d)	EDP No.	TYPE	MODEL No.	CLAMPING RANGE (d)	EDP No.	TYPE	MODEL No.	CLAMPING RANGE (d)
<a href="#">306010</a>	SKC6	SKC6 - 1	0.9 - 1.0	<a href="#">310020</a>	SKC10	SKC10 - 2	1.75 - 2.0	<a href="#">313030</a>	SKC13	SKC13 - 3	2.75 - 3.0
<a href="#">306015</a>		SKC6 - 1.5	1.3 - 1.5	<a href="#">310025</a>		SKC10 - 2.5	2.25 - 2.5	<a href="#">313035</a>		SKC13 - 3.5	3.0 - 3.5
<a href="#">306020</a>		SKC6 - 2	1.8 - 2.0	<a href="#">310030</a>		SKC10 - 3	2.75 - 3.0	<a href="#">313040</a>		SKC13 - 4	3.5 - 4.0
<a href="#">306025</a>		SKC6 - 2.5	2.3 - 2.5	<a href="#">310035</a>		SKC10 - 3.5	3.0 - 3.5	<a href="#">313045</a>		SKC13 - 4.5	4.0 - 4.5
<a href="#">306030</a>		SKC6 - 3	2.8 - 3.0	<a href="#">310040</a>		SKC10 - 4	3.5 - 4.0	<a href="#">313050</a>		SKC13 - 5	4.5 - 5.0
<a href="#">306035</a>		SKC6 - 3.5	3.0 - 3.5	<a href="#">310045</a>		SKC10 - 4.5	4.0 - 4.5	<a href="#">313055</a>		SKC13 - 5.5	5.0 - 5.5
<a href="#">306040</a>	SKC10	SKC6 - 4	3.5 - 4.0	<a href="#">310050</a>	SKC10	SKC10 - 5	4.5 - 5.0	<a href="#">313060</a>	SKC13	SKC13 - 6	5.5 - 6.0
<a href="#">306045</a>		SKC6 - 4.5	4.0 - 4.5	<a href="#">310055</a>		SKC10 - 5.5	5.0 - 5.5	<a href="#">313065</a>		SKC13 - 6.5	6.0 - 6.5
<a href="#">306050</a>		SKC6 - 5	4.5 - 5.0	<a href="#">310060</a>		SKC10 - 6	5.5 - 6.0	<a href="#">313070</a>		SKC13 - 7	6.5 - 7.0
<a href="#">306055</a>		SKC6 - 5.5	5.0 - 5.5	<a href="#">310065</a>		SKC10 - 6.5	6.0 - 6.5	<a href="#">313075</a>		SKC13 - 7.5	7.0 - 7.5
<a href="#">306060</a>		SKC6 - 6	5.5 - 6.0	<a href="#">310070</a>		SKC10 - 7	6.5 - 7.0	<a href="#">313080</a>		SKC13 - 8	7.5 - 8.0
				<a href="#">310075</a>		SKC10 - 7.5	7.0 - 7.5	<a href="#">313085</a>		SKC13 - 8.5	8.0 - 8.5
				<a href="#">310080</a>		SKC10 - 8	7.5 - 8.0	<a href="#">313090</a>		SKC13 - 9	8.5 - 9.0
				<a href="#">310085</a>		SKC10 - 8.5	8.0 - 8.5	<a href="#">313095</a>		SKC13 - 9.5	9.0 - 9.5
				<a href="#">310090</a>		SKC10 - 9	8.5 - 9.0	<a href="#">313100</a>		SKC13 - 10	9.5 - 10.0
				<a href="#">310095</a>		SKC10 - 9.5	9.0 - 9.5	<a href="#">313105</a>		SKC13 - 10.5	10.0 - 10.5
			<a href="#">310100</a>	SKC10 - 10	9.5 - 10.0	<a href="#">313110</a>	SKC13 - 11	10.5 - 11.0			
						<a href="#">313115</a>	SKC13 - 11.5	11.0 - 11.5			
						<a href="#">313120</a>	SKC13 - 12	11.5 - 12.0			
						<a href="#">313125</a>	SKC13 - 12.5	12.0 - 12.5			
						<a href="#">313130</a>	SKC13 - 13	12.5 - 13.0			

**SKC COLLET Dimension**

Unit : mm

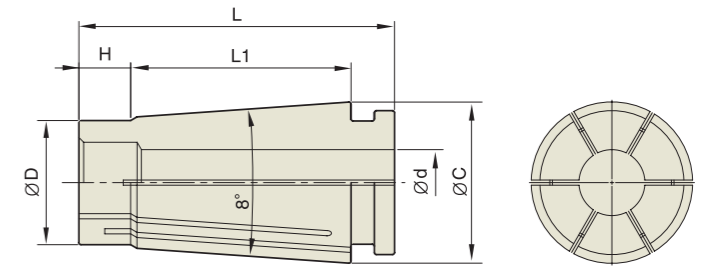
TYPE	D	L	L1	H	C
SKC6	7.5	25.7	17.6	3.8	10
SKC10	12	32	21.3	5	15
SKC13	15.4	39	28.3	5.5	20
SKC16	18.8	46	32	8	24
SKC20	22.5	54.2	41	8	29
SKC25	28.9	58.2	43	8.5	35

**SK COLLET (Metric Type)**



◇ T.I.R of standard collet is 5Um at 3D.

**SK COLLET (Inch Type)**



◇ T.I.R of standard collet is 5Um at 3D.

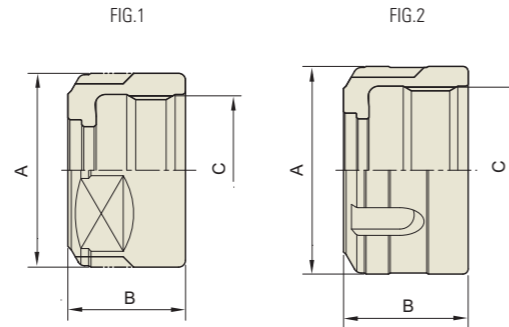
Unit : mm

EDP No.	TYPE	MODEL No.	CLAMPING RANGE (d)	EDP No.	TYPE	MODEL No.	CLAMPING RANGE (d)	EDP No.	TYPE	MODEL No.	CLAMPING RANGE (d)
<a href="#">316030</a>	SKC16	SKC16-3	2.75 - 3.0	<a href="#">323040</a>	SKC20	SKC20-4	3.5 - 4.0	<a href="#">325165</a>	SKC25	SKC25-16.5	16.0 - 16.5
<a href="#">316035</a>		SKC16-3.5	3.0 - 3.5	<a href="#">323045</a>		SKC20-4.5	4.0 - 4.5	<a href="#">325170</a>		SKC25-17	16.5 - 17.0
<a href="#">316040</a>		SKC16-4	3.5 - 4.0	<a href="#">323050</a>		SKC20-5	4.5 - 5.0	<a href="#">325175</a>		SKC25-17.5	17.0 - 17.5
<a href="#">316045</a>		SKC16-4.5	4.0 - 4.5	<a href="#">323055</a>		SKC20-5.5	5.0 - 5.5	<a href="#">325180</a>		SKC25-18	17.5 - 18.0
<a href="#">316050</a>		SKC16-5	4.5 - 5.0	<a href="#">323060</a>		SKC20-6	5.5 - 6.0	<a href="#">325185</a>		SKC25-18.5	18.0 - 18.5
<a href="#">316055</a>		SKC16-5.5	5.0 - 5.5	<a href="#">323065</a>		SKC20-6.5	6.0 - 6.5	<a href="#">325190</a>		SKC25-19	18.5 - 19.0
<a href="#">316060</a>		SKC16-6	5.5 - 6.0	<a href="#">323070</a>		SKC20-7	6.5 - 7.0	<a href="#">325195</a>		SKC25-19.5	19.0 - 19.5
<a href="#">316605</a>		SKC16-6.5	6.0 - 6.5	<a href="#">323075</a>		SKC20-7.5	7.0 - 7.5	<a href="#">325200</a>		SKC25-20	19.5 - 20.0
<a href="#">316070</a>		SKC16-7	6.5 - 7.0	<a href="#">323080</a>		SKC20-8	7.5 - 8.0	<a href="#">325205</a>		SKC25-20.5	20.0 - 20.5
<a href="#">316075</a>		SKC16-7.5	7.0 - 7.5	<a href="#">323085</a>		SKC20-8.5	8.0 - 8.5	<a href="#">325210</a>		SKC25-21	20.5 - 21.0
<a href="#">316080</a>		SKC16-8	7.5 - 8.0	<a href="#">323090</a>		SKC20-9	8.5 - 9.0	<a href="#">325215</a>		SKC25-21.5	21.0 - 21.5
<a href="#">316085</a>		SKC16-8.5	8.0 - 8.5	<a href="#">323095</a>		SKC20-9.5	9.0 - 9.5	<a href="#">325220</a>		SKC25-22	21.5 - 22.0
<a href="#">316090</a>		SKC16-9	8.5 - 9.0	<a href="#">323100</a>		SKC20-10	9.5 - 10.0	<a href="#">325225</a>		SKC25-22.5	22.0 - 22.5
<a href="#">316095</a>		SKC16-9.5	9.0 - 9.5	<a href="#">323105</a>		SKC20-10.5	10.0 - 10.5	<a href="#">325230</a>		SKC25-23	22.5 - 23.0
<a href="#">316100</a>		SKC16-10	9.5 - 10.0	<a href="#">323110</a>		SKC20-11	10.5 - 11.0	<a href="#">325235</a>		SKC25-23.5	23.0 - 23.5
<a href="#">316105</a>		SKC16-10.5	10.0 - 10.5	<a href="#">323115</a>		SKC20-11.5	11.0 - 11.5	<a href="#">325240</a>		SKC25-24	23.5 - 24.0
<a href="#">316110</a>	SKC16-11	10.5 - 11.0	<a href="#">323120</a>	SKC20-12	11.5 - 12.0	<a href="#">325245</a>	SKC25-24.5	24.0 - 24.5			
<a href="#">316115</a>	SKC16-11.5	10.0 - 11.5	<a href="#">323125</a>	SKC20-12.5	12.0 - 12.5	<a href="#">325250</a>	SKC25-25	24.5 - 25.0			
<a href="#">316120</a>	SKC16-12	11.5 - 12.0	<a href="#">323130</a>	SKC20-13	12.5 - 13.0	<a href="#">325254</a>	SKC25-25.4	25.0 - 25.4			
<a href="#">316125</a>	SKC16-12.5	12.0 - 12.5	<a href="#">323135</a>	SKC20-13.5	13.0 - 13.5						
<a href="#">316130</a>	SKC16-13	12.5 - 13.0	<a href="#">323140</a>	SKC20-14	13.5 - 14.0						
<a href="#">316135</a>	SKC16-13.5	13.0 - 13.5	<a href="#">323145</a>	SKC20-14.5	14.0 - 14.5						
<a href="#">316140</a>	SKC16-14	13.5 - 14.0	<a href="#">323150</a>	SKC20-15	14.5 - 15.0						
<a href="#">316145</a>	SKC16-14.5	14.0 - 14.5	<a href="#">323155</a>	SKC20-15.5	15.0 - 15.5						
<a href="#">316150</a>	SKC16-15	14.5 - 15.0	<a href="#">323160</a>	SKC20-16	15.5 - 16.0						
<a href="#">316155</a>	SKC16-15.5	15.0 - 15.5	<a href="#">323165</a>	SKC20-16.5	16.0 - 16.5						
<a href="#">316160</a>	SKC16-16	15.5 - 16.0	<a href="#">323170</a>	SKC20-17	16.5 - 17.0						
			<a href="#">323175</a>	SKC20-17.5	17.0 - 17.5						
			<a href="#">323180</a>	SKC20-18	17.5 - 18.0						
			<a href="#">323185</a>	SKC20-18.5	18.0 - 18.5						
			<a href="#">323190</a>	SKC20-19	18.5 - 19.0						
			<a href="#">323195</a>	SKC20-19.5	19.0 - 19.5						
			<a href="#">323200</a>	SKC20-20.0	19.5 - 20.0						

Unit : inch

EDP No.	TYPE	MODEL No.	CLAMPING RANGE (d1)	EDP No.	TYPE	MODEL No.	CLAMPING RANGE (d1)
<a href="#">3060108A</a>	SKC6	SKC6 - 1/8A	.125	<a href="#">3100108A</a>	SKC10	SKC10 - 1/8A	.125
<a href="#">3060316A</a>		SKC6 - 3/16A	.187	<a href="#">3100316A</a>		SKC10 - 3/16A	.187
				<a href="#">3100104A</a>		SKC10 - 1/4A	.250
				<a href="#">3100516A</a>		SKC10 - 5/16A	.312
				<a href="#">3100308A</a>		SKC10 - 3/8A	.375
<a href="#">3160108A</a>	SKC16	SKC16 - 1/8A	.125	<a href="#">3250316A</a>	SKC25	SKC25 - 3/16A	.187
<a href="#">3160316A</a>		SKC16 - 3/16A	.187	<a href="#">3250104A</a>		SKC25 - 1/4A	.250
<a href="#">3160104A</a>		SKC16 - 1/4A	.250	<a href="#">3250516A</a>		SKC25 - 5/16A	.312
<a href="#">3160516A</a>		SKC16 - 5/16A	.312	<a href="#">3250308A</a>		SKC25 - 3/8A	.375
<a href="#">3160308A</a>		SKC16 - 3/8A	.375	<a href="#">3250716A</a>		SKC25 - 7/16A	.437
<a href="#">3160716A</a>		SKC16 - 7/16A	.437	<a href="#">3250102A</a>		SKC25 - 1/2A	.500
<a href="#">3160102A</a>		SKC16 - 1/2A	.500	<a href="#">3250508A</a>		SKC25 - 5/8A	.625
<a href="#">3160916A</a>		SKC16 - 9/16A	.562	<a href="#">3250304A</a>		SKC25 - 3/4A	.750
<a href="#">3160508A</a>		SKC16 - 5/8A	.625				

SK NUT



Unit : mm

EDP No.	TYPE	A	B	C	FIG.
<a href="#">ZS106</a>	SKN06	20	15	M15.5 × 1.0	1
<a href="#">ZS110</a>	SKN10	28	17	M21.5 × 1.0	1
<a href="#">ZS113</a>	SKN13	33	21	M27 × 1.0	2
<a href="#">ZS116</a>	SKN16	40	24	M32 × 1.5	2
<a href="#">ZS120</a>	SKN20	48.5	24	M40 × 1.0	2
<a href="#">ZS125</a>	SKN25	55	30	M42 × 1.5	2

SK WRENCH

EDP No.	TYPE	FIG.
<a href="#">ZS206</a>	SK06	1
<a href="#">ZS210</a>	SK10	1
<a href="#">ZS213</a>	SK13	1
<a href="#">ZS216</a>	SK16	2
<a href="#">ZS220</a>	SK20	2
<a href="#">ZS225</a>	SK25	2

FIG. 1



FIG. 2



YG-1 ROTARY TOOLING

**TG COLLET  
CHUCK**



TG COLLET CHUCK

CAT : ASME B5.50-2009

BT : JIS B6339/MAS 403-BT/ISO7388-2

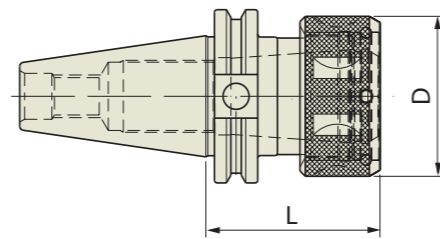
ACCESSORY & PART

TG NUT, WRENCH, STOP SCREW



CAT

TG COLLET CHUCK



Wrenches Refer to page D152



ASME B5.50-2009-CAT

TG75

■ STANDARD Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
<a href="#">VK012</a>	40	CAT40 - TG75 - 2.50	.047 - .750	2.50	1.81	75TG

■ EXTENDED Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
<a href="#">VK312</a>	40	CAT40 - TG75 - 3.00	.047 - .750	3.00	1.81	75TG

TG100

■ STANDARD Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
<a href="#">OK014</a>	40	CAT40 - TG100 - 3.25	.063 - 1.000	3.25	2.36	100TG
<a href="#">OL014</a>	50	CAT50 - TG100 - 3.25	.063 - 1.000	3.25	2.36	100TG

■ EXTENDED Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
<a href="#">OK314</a>	40	CAT40 - TG100 - 4.50	.063 - 1.000	4.50	2.36	100TG
<a href="#">OL314</a>	50	CAT50 - TG100 - 5.50	.063 - 1.000	5.50	2.36	100TG

TG150

■ STANDARD Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
<a href="#">UL052</a>	50	CAT50 - TG150 - 3.50	.500 - 1.500	3.50	3.43	150TG

■ EXTENDED Unit : inch

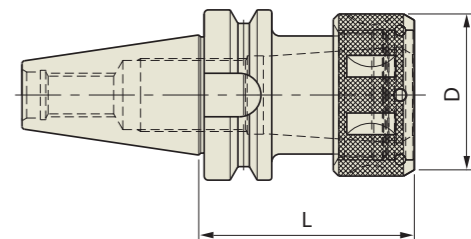
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
<a href="#">UL352</a>	50	CAT50 - TG150 - 6.00	.500 - 1.500	6.00	3.43	150TG

\* TG Nut : Swiss made precision TG Nut



BT

TG COLLET CHUCK



Wrenches Refer to page D152



JIS B6339/MAS 403-BT

TG75

■ STANDARD Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
<a href="#">VH012</a>	40	BT40 - TG75 - 3.00	.047 - .750	3.00	1.81	75TG

TG100

■ STANDARD Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
<a href="#">QH014</a>	40	BT40 - TG100 - 3.50	.063 - 1.000	3.50	2.36	100TG
<a href="#">OI014</a>	50	BT50 - TG100 - 3.50	.063 - 1.000	3.50	2.36	100TG

■ EXTENDED Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
<a href="#">QH314</a>	40	BT40 - TG100 - 5.50	.063 - 1.000	5.50	2.36	100TG
<a href="#">OI314</a>	50	BT50 - TG100 - 6.00	.063 - 1.000	6.00	2.36	100TG

TG150

■ STANDARD Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
<a href="#">UI052</a>	50	BT50 - TG150 - 4.00	.500 - 1.500	4.00	3.43	150TG

■ EXTENDED Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
<a href="#">UI352</a>	50	BT50 - TG150 - 6.00	.500 - 1.500	6.00	3.43	150TG

\* TG Nut : Swiss made precision TG Nut

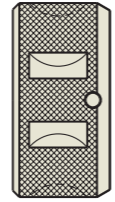
**YG COLLET  
CHUCK**

**PART**

**TG NUT**

**TG NUT**

EDP No.	SERIES
<a href="#">ZZ084</a>	TG75-NUT
<a href="#">ZZ081</a>	TG100-NUT
<a href="#">ZZ087</a>	TG150-NUT



**TG WRENCH**

**TG WRENCH**

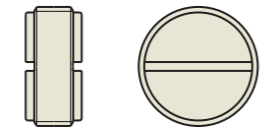
EDP No.	SERIES
<a href="#">ZZ085</a>	TG75
<a href="#">ZZ082</a>	TG100
<a href="#">ZZ088</a>	TG150



**TG STOP SCREW**

**TG STOP SCREW**

EDP No.	SERIES
<a href="#">ZZ086</a>	TG75
<a href="#">ZZ083</a>	TG100
<a href="#">ZZ089</a>	TG150



**YG-1 ROTARY TOOLING**

**POWER  
MILLING CHUCK**

STANDARD, HIGH SPEED MILLING CHUCK  
MILLING CHUCK COLLET & WRENCH



**POWER MILLING CHUCK**

- CAT : ASME B5.50-2009
- CCT : CAT DUAL CONTACT
- BT : JIS B6339/MAS 403-BT/ISO7388-2
- CBT : BT DUAL CONTACT
- HSK : DIN69893/ISO12164-1

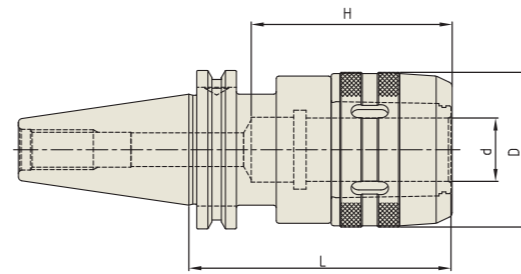
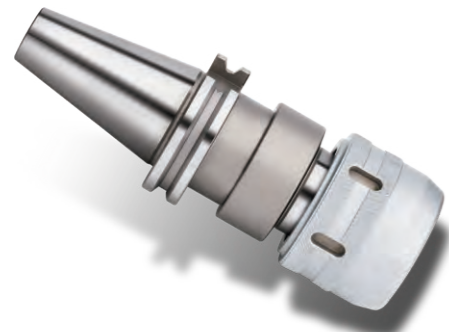
**ACCESSORY**

POWER MILLING CHUCK COLLET, WRENCH

**YIG POWER MILLING CHUCK**

**CAT**

**POWER MILLING CHUCK**



Collet, spanner  
Refer to page D158



**ASME B5.50-2009-CAT**

**STANDARD**

Unit : inch

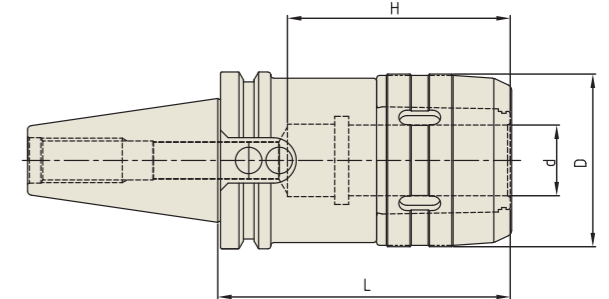
EDP No.	TAPER No.	MODEL No.	d	D	L	H
<a href="#">LK010</a>	40	CAT40 - C3/4 - 4.13	.750	2.126	4.134	2.756
<a href="#">LK014</a>		CAT40 - C1 - 4.13	1.000	2.461	4.134	3.150
<a href="#">LK017</a>		CAT40 - C1 1/4 - 4.13	1.250	2.835	4.134	3.937
<a href="#">LL010</a>	50	CAT50 - C3/4 - 4.13	.750	2.126	4.134	2.756
<a href="#">LL014</a>		CAT50 - C1 - 4.13	1.000	2.461	4.134	3.150
<a href="#">LL017</a>		CAT50 - C1 1/4 - 4.13	1.250	2.835	4.134	3.937

Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

**YIG POWER MILLING CHUCK**

**CCT**

**DUAL CONTACT HIGH SPEED POWER MILLING CHUCK**



Collet, spanner  
Refer to page D158



**CCT (CAT DUAL CONTACT)**

Unit : inch

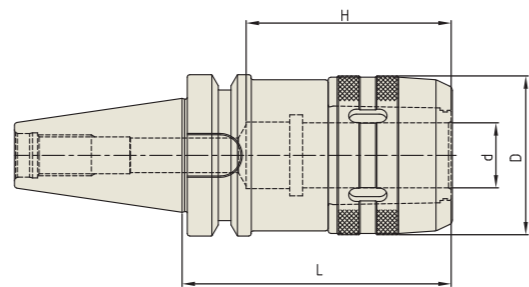
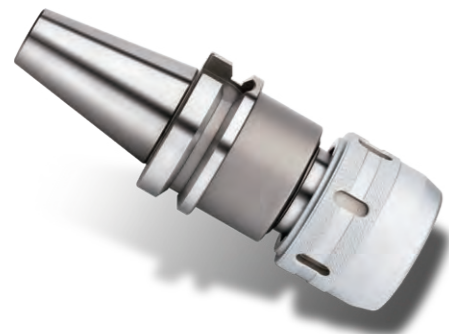
EDP No.	TAPER No.	MODEL No.	d	D	L	H
<a href="#">LB020</a>	40	CCT40 - C 3/4 - 4.13HS	.750	2.126	4.134	2.756
<a href="#">LB022</a>		CCT40 - C 1.0 - 4.13HS	1.000	2.461	4.134	3.150
<a href="#">LB024</a>		CCT40 - C 1 1/4 - 4.13HS	1.250	2.835	4.134	3.937
<a href="#">LB026</a>		CCT40 - C 1 1/4 - 5.31HS	1.250	2.835	5.310	3.937
<a href="#">LC020</a>	50	CCT50 - C 3/4 - 4.13HS	.750	2.126	4.134	2.756
<a href="#">LC022</a>		CCT50 - C 1.0 - 4.13HS	1.000	2.461	4.134	3.150
<a href="#">LC024</a>		CCT50 - C 1 1/4 - 4.13HS	1.250	2.835	4.134	3.937
<a href="#">LC026</a>		CCT50 - C 1 1/4 - 5.31HS	1.250	2.835	5.311	3.937
<a href="#">LC028</a>		CCT50 - C 1 1/4 - 6.50HS	1.250	2.835	6.500	3.937

Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

**YIG POWER MILLING CHUCK**

**BT**

**POWER MILLING CHUCK**



Collet, spanner  
Refer to page D158



**JIS B6339/MAS 403-BT**

**STANDARD**

Unit : inch

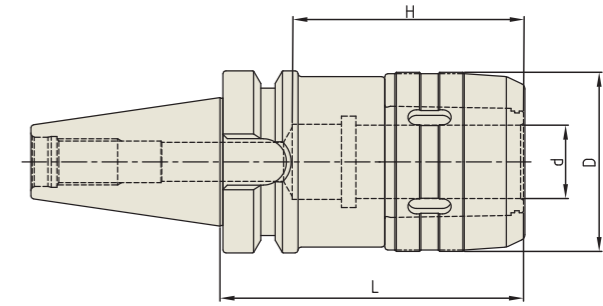
EDP No.	TAPER No.	MODEL No.	d	D	L	H
<a href="#">LH010</a>	40	BT40 - C 3/4 - 3.56	.750	2.126	3.560	2.756
<a href="#">LH014</a>		BT40 - C 1.0 - 4.13	1.000	2.461	4.134	3.150
<a href="#">LH017</a>		BT40 - C 1 1/4 - 4.13	1.250	2.835	4.134	3.937
<a href="#">LI010</a>	50	BT50 - C 3/4 - 4.13	.750	2.126	4.134	2.756
<a href="#">LI014</a>		BT50 - C 1.0 - 4.13	1.000	2.461	4.134	3.150
<a href="#">LI017</a>		BT50 - C 1 1/4 - 4.13	1.250	2.835	4.134	3.937

Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

**YIG POWER MILLING CHUCK**

**CBT**

**DUAL CONTACT HIGH SPEED POWER MILLING CHUCK**



Collet, spanner  
Refer to page D158

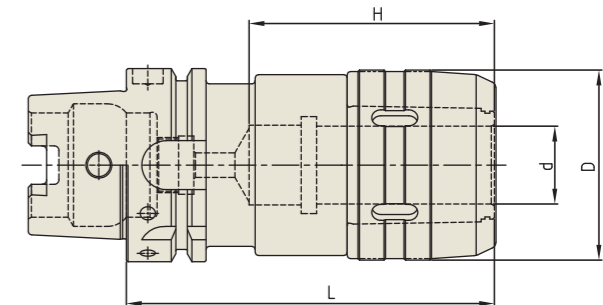


**CBT (BT DUAL CONTACT)**

EDP No.	TAPER No.	MODEL No.	d	D	L	H
<a href="#">LE020</a>	40	CBT40 - C 3/4 - 3.15HS	.750	2.126	3.150	2.756
<a href="#">LE022</a>		CBT40 - C 3/4 - 4.13HS	.750	2.126	4.134	2.756
<a href="#">LE024</a>		CBT40 - C 1.0 - 4.13HS	1.000	2.461	4.134	3.150
<a href="#">LE026</a>		CBT40 - C1 1/4 - 3.54HS	1.000	2.835	3.543	3.937
<a href="#">LE028</a>		CBT40 - C1 1/4 - 4.13HS	1.250	2.835	4.134	3.937
<a href="#">LE030</a>		CBT40 - C1 1/4 - 5.31HS	1.250	2.835	5.310	3.937

**HSK**

**DUAL CONTACT HIGH SPEED POWER MILLING CHUCK**



Collet, spanner  
Refer to page D158



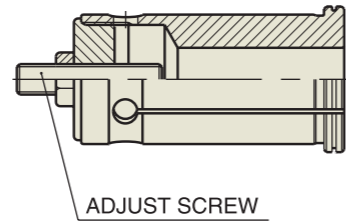
**DIN 69893/ISO 12164-1-HSK FORM A**

EDP No.	TAPER No.	MODEL No.	d	D	L	H
<a href="#">LQ020</a>	63A	HSK63A - C 3/4 - 4.13HS	.750	2.126	4.130	2.756
<a href="#">LQ022</a>		HSK63A - C 1.0 - 4.72HS	1.000	2.461	4.720	3.150
<a href="#">LQ024</a>		HSK63A - C 1 1/4 - 5.31HS	1.250	2.835	5.310	3.937
<a href="#">LR020</a>	100A	HSK100A - C 3/4 - 4.33HS	.750	2.126	4.330	2.756
<a href="#">LR022</a>		HSK100A - C 1.0 - 5.12HS	1.000	2.461	5.118	3.150
<a href="#">LR024</a>		HSK100A - C1 1/4 - 5.31HS	1.250	2.835	5.315	3.937

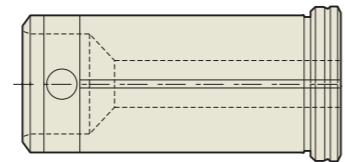
Hydraulic Chuck  
Shrink Fit Holder  
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ER Collet Chuck  
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TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
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NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION



**POWER MILLING CHUCK COLLET**



Unit : inch			Unit : inch			Unit : inch		
EDP No.	TYPE	D	EDP No.	TYPE	D	EDP No.	TYPE	D
<a href="#">MZ002</a>	C3/4	1/4	<a href="#">MZ102</a>	C1	1/4	<a href="#">MZ302</a>	C1 1/4	1/4
<a href="#">MZ003</a>	C3/4	5/16	<a href="#">MZ103</a>	C1	5/16	<a href="#">MZ303</a>	C1 1/4	5/16
<a href="#">MZ004</a>	C3/4	3/8	<a href="#">MZ104</a>	C1	3/8	<a href="#">MZ304</a>	C1 1/4	3/8
<a href="#">MZ006</a>	C3/4	1/2	<a href="#">MZ106</a>	C1	1/2	<a href="#">MZ306</a>	C1 1/4	1/2
<a href="#">MZ008</a>	C3/4	5/8	<a href="#">MZ108</a>	C1	5/8	<a href="#">MZ308</a>	C1 1/4	5/8
			<a href="#">MZ110</a>	C1	3/4	<a href="#">MZ310</a>	C1 1/4	3/4
						<a href="#">MZ312</a>	C1 1/4	7/8
						<a href="#">MZ314</a>	C1 1/4	1"



Unit : inch			Unit : inch			Unit : inch		
EDP No.	TYPE	D	EDP No.	TYPE	D	EDP No.	TYPE	D
<a href="#">MY002</a>	C3/4	1/4	<a href="#">MY102</a>	C1	1/4	<a href="#">MY302</a>	C1 1/4	1/4
<a href="#">MY003</a>	C3/4	5/16	<a href="#">MY103</a>	C1	5/16	<a href="#">MY303</a>	C1 1/4	5/16
<a href="#">MY004</a>	C3/4	3/8	<a href="#">MY104</a>	C1	3/8	<a href="#">MY304</a>	C1 1/4	3/8
<a href="#">MY006</a>	C3/4	1/2	<a href="#">MY106</a>	C1	1/2	<a href="#">MY306</a>	C1 1/4	1/2
<a href="#">MY008</a>	C3/4	5/8	<a href="#">MY108</a>	C1	5/8	<a href="#">MY308</a>	C1 1/4	5/8
			<a href="#">MY110</a>	C1	3/4	<a href="#">MY310</a>	C1 1/4	3/4
						<a href="#">MY312</a>	C1 1/4	7/8
						<a href="#">MY314</a>	C1 1/4	1"

**WRENCH**

Unit : inch	
EDP No.	SERIES
<a href="#">ZZ056</a>	C3/4
<a href="#">ZZ057</a>	C1
<a href="#">ZZ058</a>	C1 1/4



**YG-1 ROTARY TOOLING**

**MORSE TAPER  
ARBOR**



**MORSE TAPER ADAPTER**

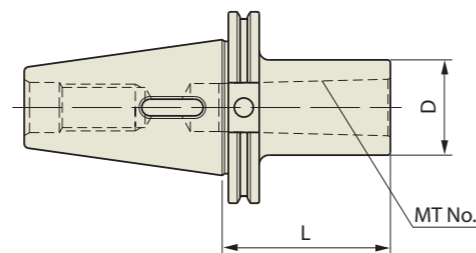
CAT : ASME B5.50-2009

BT : JIS B6339/MAS 403-BT/ISO7388-2

**YIG MORSE TAPER ARBOR**

**CAT**

**MORSE TAPER ADAPTER**



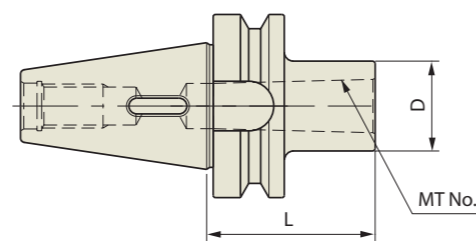
**ASME B5.50-2009-CAT**

Unit : inch

EDP No.	TAPER No.	MODEL No.	MT No.	D	L
<a href="#">CK037</a>	40	CAT40 - MTA 1 - 1.75	#1	1.00	1.75
<a href="#">CK038</a>		CAT40 - MTA 2 - 2.00	#2	1.26	2.00
<a href="#">CK039</a>		CAT40 - MTA 3 - 2.75	#3	1.75	2.75
<a href="#">CK040</a>		CAT40 - MTA 4 - 3.63	#4	1.75	3.63
<a href="#">CL038</a>	50	CAT50 - MTA 2 - 1.38	#2	2.75	1.38
<a href="#">CL039</a>		CAT50 - MTA 3 - 1.88	#3	1.57	1.88
<a href="#">CL040</a>		CAT50 - MTA 4 - 2.75	#4	1.97	2.75
<a href="#">CL041</a>		CAT50 - MTA 5 - 4.06	#5	2.48	4.06

**BT**

**MORSE TAPER ADAPTER**



**JIS B6339/MAS 403-BT**

Unit : inch

EDP No.	TAPER No.	MODEL No.	MT No.	D	L
<a href="#">CH037</a>	40	BT40 - MTA 1 - 1.75	#1	1.00	1.75
<a href="#">CH038</a>		BT40 - MTA 2 - 2.36	#2	1.26	2.36
<a href="#">CH039</a>		BT40 - MTA 3 - 2.95	#3	1.57	2.95
<a href="#">CH040</a>		BT40 - MTA 4 - 3.74	#4	1.97	3.74
<a href="#">CI038</a>	50	BT50 - MTA 2 - 2.36	#2	1.26	2.36
<a href="#">CI039</a>		BT50 - MTA 3 - 2.95	#3	1.58	2.95
<a href="#">CI040</a>		BT50 - MTA 4 - 3.74	#4	1.97	3.74
<a href="#">CI041</a>		BT50 - MTA 5 - 4.13	#5	2.55	4.13

**YG-1 ROTARY TOOLING**

**TAPPING CHUCK**

QUICK CHANGE TYPE, SYNCHRO TAPPING CHUCK-ER TYPE  
TAP ADAPTOR



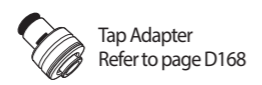
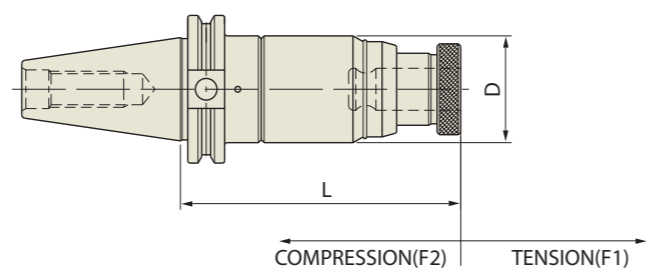
**TAPPING CHUCK**

- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403-BT/ISO7388-2
- HSK : DIN69893/ISO12164-1
- STRAIGHT-KW

**ACCESSORY & PART**

QUICK CHANGE ADAPTER

**TAPPING CHUCK**



**ASME B5.50-2009-CAT (Inch)**

■ TO USE TAP ADAPTER QCT12

Unit : inch

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
<a href="#">JK048</a>	40	CAT40 - TC#1 - 4.56	1.77	4.56	.591	.197
<a href="#">JL048</a>	50	CAT50 - TC#1 - 4.56	1.77	4.56	.591	.197

■ TO USE TAP ADAPTER QCT24

Unit : inch

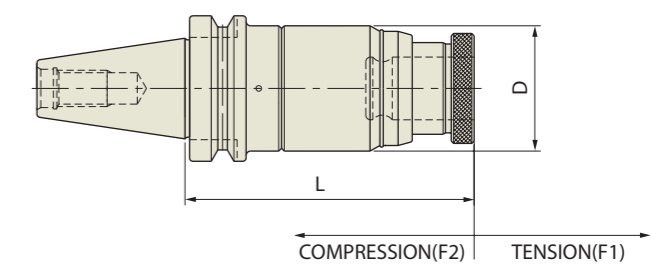
EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
<a href="#">JK049</a>	40	CAT40 - TC#2 - 6.47	2.48	6.47	.787	.197
<a href="#">JL049</a>	50	CAT50 - TC#2 - 5.82	2.48	5.82	.787	.197

■ TO USE TAP ADAPTER QCT32

Unit : inch

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
<a href="#">JL050</a>	50	CAT50 - TC#3 - 7.75	3.86	7.75	.984	.394

**TAPPING CHUCK**



**JIS B6339/MAS 403-BT (Inch)**

■ TO USE TAP ADAPTER QCT12

Unit : inch

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
<a href="#">JH048</a>	40	BT40 - TC#1 - 4.53	1.77	4.53	.591	.197
<a href="#">JL048</a>	50	BT50 - TC#1 - 4.64	1.77	4.64	.591	.197

■ TO USE TAP ADAPTER QCT24

Unit : inch

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
<a href="#">JH049</a>	40	BT40 - TC#2 - 6.72	2.48	6.72	.787	.197
<a href="#">JL049</a>	50	BT50 - TC#2 - 6.72	2.48	6.72	.787	.197

■ TO USE TAP ADAPTER QCT32

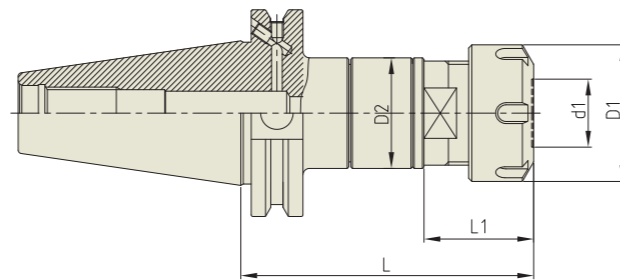
Unit : inch

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
<a href="#">JL050</a>	50	BT50 - TC#3 - 8.33	3.86	8.33	.984	.394

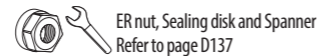
Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

**SYNCHRO TAPPING ER CHUCK**



**ASME B5.50-2009-CAT (Metric)**



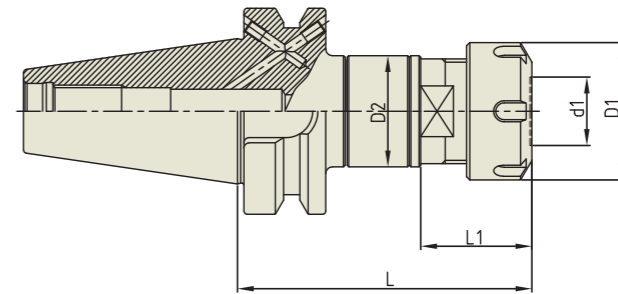
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1 (TAP SIZE)	NUT	D1	D2	L	L1	WEIGHT (kg)
<a href="#">JK060SYT</a>	40	CAT40 AD/B - SYTER 12 - 79	M3 - M12	ER16	28	34	79	26	1.00
<a href="#">JK062SYT</a>		CAT40 AD/B - SYTER 16 - 85	M3 - M16	ER20	34	34	85	27	1.08
<a href="#">JK064SYT</a>		CAT40 AD/B - SYTER 20 - 90	M3 - M20	ER25	42	34	90	34	1.08
<a href="#">JK066SYT</a>		CAT40 AD/B - SYTER 27 - 100	M4 - M27	ER32	50	45	100	31	1.37
<a href="#">JK068SYT</a>		CAT40 AD/B - SYTER 33 - 120	M4 - M33	ER40	63	62	120	35	2.16
<a href="#">JL060SYT</a>		50	CAT50 AD/B - SYTER 12 - 79	M3 - M12	ER16	28	34	79	24
<a href="#">JL062SYT</a>	CAT50 AD/B - SYTER 16 - 85		M3 - M16	ER20	34	34	85	27	2.86
<a href="#">JL064SYT</a>	CAT50 AD/B - SYTER 20 - 90		M3 - M20	ER25	42	34	90	34	2.87
<a href="#">JL066SYT</a>	CAT50 AD/B - SYTER 27 - 100		M4 - M27	ER32	50	45	100	31	3.04
<a href="#">JL068SYT</a>	CAT50 AD/B - SYTER 33 - 120		M4 - M33	ER40	63	62	105	35	3.93

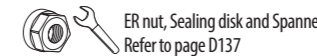
\* BT(JIS B6339/MAS-403), HSK(DIN 69893/ISO 12164-1) and STRAIGHT-K Taper products are available. For details, please discuss separately.

- Feature**
- To compensate for synchronization errors to extend tap life and to improve thread quality
  - To compensate for pitch tolerances of taps
  - For machine with synchronized spindle

**SYNCHRO TAPPING ER CHUCK**



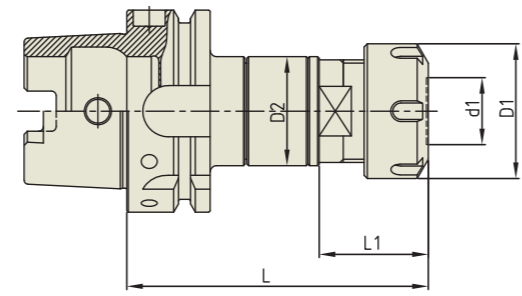
**JIS B6339/MAS 403-BT (Metric)**



Unit : mm

EDP No.	TAPER No.	MODEL No.	d1 (TAP SIZE)	NUT	D1	D2	L	L1	WEIGHT (kg)
<a href="#">P2776301</a>	40	BT40 AD/B - SYTER 12 - 79	M2 - M8	ER16	28	34	79	26	1.14
<a href="#">P2776302</a>		BT40 AD/B - SYTER 16 - 85	M3 - M10	ER20	34	34	85	27	1.17
<a href="#">P2776303</a>		BT40 AD/B - SYTER 20 - 90	M3 - M14	ER25	42	34	90	34	1.17
<a href="#">P2776304</a>		BT40 AD/B - SYTER 27 - 100	M4 - M18	ER32	50	45	100	31	1.45
<a href="#">P2776305</a>		BT40 AD/B - SYTER 33 - 125	M8 - M24	ER40	63	62	125	35	2.40
<a href="#">P2776306</a>		50	BT50 AD/B - SYTER 12 - 100	M2 - M8	ER16	28	34	100	26
<a href="#">P2776307</a>	BT50 AD/B - SYTER 16 - 100		M3 - M10	ER20	34	34	100	27	3.79
<a href="#">P2776308</a>	BT50 AD/B - SYTER 20 - 100		M3 - M14	ER25	42	34	100	34	3.75
<a href="#">P2776309</a>	BT50 AD/B - SYTER 27 - 110		M4 - M18	ER32	50	45	110	31	3.99
<a href="#">P2776310</a>	BT50 AD/B - SYTER 33 - 125		M8 - M24	ER40	63	62	125	35	4.75

**SYNCHRO TAPPING ER CHUCK**

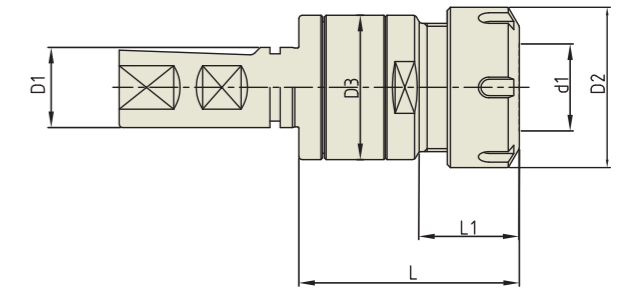


**DIN69893/ISO12164-1 HSK FORM A (Metric)**  ER Collet Refer to page D132-D136  ER nut, Sealing disk and Spanner Refer to page D137  

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1 (TAP SIZE)	NUT	D1	D2	L	L1	WEIGHT (kg)
P2773801	63A	HSK63A - SYTER 16 - 90	M3 - M16	ER20	34	34	90	27	0.95
P2773802		HSK63A - SYTER 20 - 94	M3 - M20	ER25	42	34	94	34	0.95
P2773803		HSK63A - SYTER 27 - 105	M4 - M27	ER32	50	45	105	31	1.34

**SYNCHRO TAPPING ER CHUCK**



**STRAIGHT-KW (Inch)**  ER Collet Refer to page D132-D136  ER nut, Sealing disk and Spanner Refer to page D137

Unit : inch

EDP No.	MODEL No.	d1 (TAP SIZE)	NUT	D1	D2	D3	L	L1	WEIGHT (kg)
JS101SYT	KW3/4 - SYTER 16	M3 - M16	ER20	0.750	1.339	1.339	2.283	1.024	0.33
JS102SYT	KW1.0 - SYTER 16	M3 - M16	ER20	1.000	1.339	1.339	2.402	1.063	0.44
JS103SYT	KW1.0 - SYTER 27	M4 - M27	ER32	1.000	1.969	1.772	2.717	1.220	0.60

**STRAIGHT-KW (Metric)**  ER Collet Refer to page D132-D136  ER nut, Sealing disk and Spanner Refer to page D137

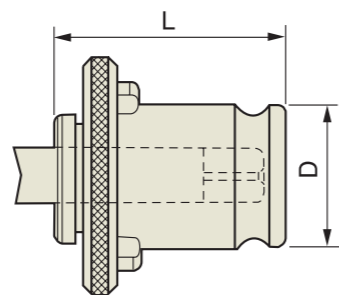
Unit : mm

EDP No.	MODEL No.	d1 (TAP SIZE)	NUT	D1	D2	D3	L	L1	WEIGHT (kg)
P2773901	KW20 - SYTER 16	M3 - M16	ER20	20	34	34	58	26	0.33
P2773902	KW25 - SYTER 16	M3 - M16	ER20	25	34	34	61	27	0.44
P2773903	KW25 - SYTER 27	M4 - M27	ER32	25	50	45	69	31	0.60

Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

ROTARY TOOL HOLDERS  
Hydraulic Chuck  
Shrink Fit Holder  
End Mill Holder & Side Lock Arbor  
ER Collet Chuck  
SK Slim Chuck  
TG Collet Chuck  
Power Milling Chuck  
Morse Taper Adapter  
Tapping Chuck  
One Step Tapping Chuck  
Shell Mill Arbor  
NC Drill Chuck  
Jacobs Taper Arbor  
Stub Arbor  
Slitting Saw Arbor  
Pull Stud & Tool Clamp  
TECHNICAL INFORMATION

**QUICK CHANGE TAP ADAPTER**



**POSITIVE DRIVE-SOLID TYPE**

Unit : inch

EDP No.	ADAPTER SIZE	TAP SIZE RANGE	TAP SIZE	TAP Dia.	TAP SQUARE	
<a href="#">OCT12001</a>	QCT 12 D = 19mm/0.748" L = 28.5mm/1.122"	0 - 9/16"	# 0 - 6	.141	.110	
<a href="#">OCT12002</a>			# 8	.168	.131	
<a href="#">OCT12003</a>			# 10	.194	.152	
<a href="#">OCT12004</a>			# 12	.220	.165	
<a href="#">OCT12005</a>			1/4	.255	.191	
<a href="#">OCT12006</a>			5/16	.318	.238	
<a href="#">OCT12007</a>			3/8	.381	.286	
<a href="#">OCT12008</a>			7/16	.323	.242	
<a href="#">OCT12009</a>			1/2	.367	.275	
<a href="#">OCT12010</a>			9/16	.429	.322	
<a href="#">OCT12011</a>			1/8" PIPE	1/8pss	.3125	.234
<a href="#">OCT12012</a>				1/8pls	.4370	.328
<a href="#">OCT24001</a>			QCT 24 D = 31mm/1.220" L = 46mm/1.811"	5/16 - 7/8"	5/16	.318
<a href="#">OCT24002</a>	3/8	.381			.286	
<a href="#">OCT24003</a>	7/16	.323			.242	
<a href="#">OCT24004</a>	1/2	.367			.275	
<a href="#">OCT24005</a>	9/16	.429			.322	
<a href="#">OCT24006</a>	5/8	.480			.360	
<a href="#">OCT24007</a>	11/16	.542			.406	
<a href="#">OCT24008</a>	3/4	.590			.421	
<a href="#">OCT24009</a>	13/16	.652			.489	
<a href="#">OCT24010</a>	7/8	.697			.523	
<a href="#">OCT24011</a>	1/4" - 3/8" PIPE	1/4p			.5620	.42
<a href="#">OCT24012</a>		3/8p			.7000	.531
<a href="#">OCT24013</a>	1/2p	.6875			.515	
<a href="#">OCT32001</a>	QCT 32 D = 48mm/1.890" L = 69.5mm/2.736"	13/16 - 1 - 3/8"	13/16	.652	.489	
<a href="#">OCT32002</a>			7/8	.697	.523	
<a href="#">OCT32003</a>			15/16	.760	.570	
<a href="#">OCT32004</a>			1	.800	.600	
<a href="#">OCT32005</a>			1 - 1/8	.896	.672	
<a href="#">OCT32006</a>			1 - 1/4	1.021	.766	
<a href="#">OCT32007</a>			1 - 3/8	1.108	.831	
<a href="#">OCT32008</a>			1/2/3/4 & 1" PIPE	1/2p	.6875	.515
<a href="#">OCT32009</a>				3/4p	.9060	.679
<a href="#">OCT32010</a>				1p	1.1250	.843

**YG-1 ROTARY TOOLING**

**ONE STEP TAPPING CHUCK**

ONE STEP TAPPING CHUCK, TAP ADAPTOR

**ONE STEP TAPPING CHUCK**

CAT : ASME B5.50-2009

BT : JIS B6339/MAS 403-BT/ISO7388-2

HSK : DIN69893/ISO12164-1

STRAIGHT-KW



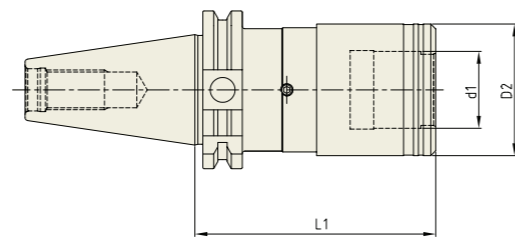
**ACCESSORY & PART**

TAP ADAPTER

# YIG ONE STEP TAPPING CHUCK

**CAT**

## ONE STEP TAPPING CHUCK



Tap Adapter Refer to page D172 -D173



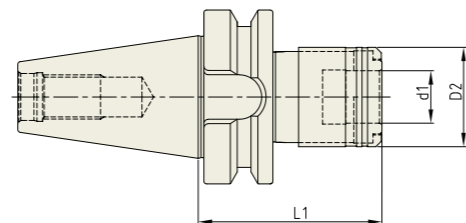
**ASME B5.50-2009-CAT**

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D2	L1	WEIGHT(Kg)
JK101OTC	40	CAT40 - OTC - M3 - M12 - 59	19	36	59	1.10
JK102OTC		CAT40 - OTC - M8 - M20 - 97	31	53	97	1.50
JK103OTC		CAT40 - OTC - M14 - M36 - 149	48	78	149	3.30
JL101OTC	50	CAT50 - OTC - M3 - M12 - 59	19	36	59	3.00
JL102OTC		CAT50 - OTC - M8 - M20 - 83	31	53	83	3.30
JL103OTC		CAT50 - OTC - M14 - M36 - 138	48	78	138	5.20

**BT**

## ONE STEP TAPPING CHUCK



Tap Adapter Refer to page D172 -D173



**JIS B6339/MAS 403-BT**

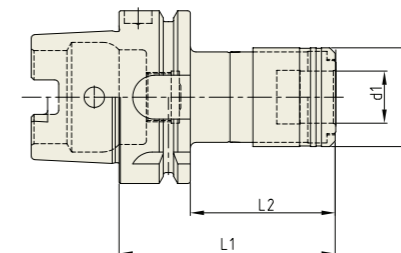
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D2	L1	WEIGHT(Kg)
JH101OTC	40	BT40 - OTC - M3 - M12 - 66.5	19	36	66.5	1.10
JH102OTC		BT40 - OTC - M8 - M20 - 93.5	31	53	93.5	1.50
JH103OTC		BT40 - OTC - M14 - M36 - 162.5	48	78	162.5	3.30
JI101OTC	50	BT50 - OTC - M3 - M12 - 85	19	36	85	3.00
JI102OTC		BT50 - OTC - M8 - M20 - 101.5	31	53	101.5	3.30
JI103OTC		BT50 - OTC - M14 - M36 - 141	48	78	141	5.20

# YIG ONE STEP TAPPING CHUCK

**HSK**

## ONE STEP TAPPING CHUCK



Tap Adapter Refer to page D172 -D173



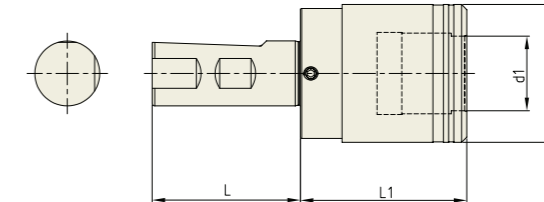
**DIN 69893/ISO12164-1**

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D2	D1	L1	L2	WEIGHT(Kg)
JQ101OTC	63A	HSK63A - OTC - M3 - M12 - 77	19	36	19	79	53	
JQ102OTC		HSK63A - OTC - M8 - M20 - 110	31	53	31	110	84	
JQ103OTC		HSK63A - OTC - M14 - M36 - 155	48	78	48	121	95	
JR101OTC	100A	HSK100A - OTC - M3 - M12 - 85.5	19	36	19	85.5	56.5	
JR102OTC		HSK100A - OTC - M8 - M20 - 119.5	31	53	31	119.5	90.5	
JR103OTC		HSK100A - OTC - M14 - M36 - 161	48	78	48	127	98	

**KW**

## ONE STEP TAPPING CHUCK



Tap Adapter Refer to page D172 -D173



**STRAIGHT - KW**

Unit : mm

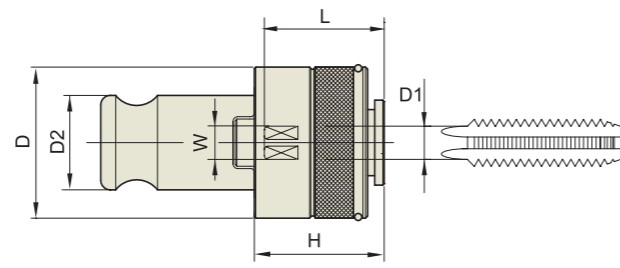
EDP No.	TAPER No.	MODEL No.	d1	D2	L	L1	WEIGHT(Kg)
JS101OTC	20	KW20 - OTC - M3 - M12 - 40	19	36	51	40	
JS102OTC	25	KW25 - OTC - M3 - M12 - 40	19	36	57	40	
JS103OTC		KW25 - OTC - M8 - M20 - 64	31	53	57	64	
JS104OTC	32	KW32 - OTC - M3 - M12 - 39	19	36	60	39	
JS105OTC		KW32 - OTC - M8 - M20 - 63	31	53	60.5	63	
JS106OTC		KW32 - OTC - M14 - M36 - 124	48	78	61	124	

**YIG ONE STEP TAPPING CHUCK**

**TC**

**TAP ADAPTER (JIS)**

Below standard Tap Adapter conforms to **JIS**



Unit : mm

EDP No.	TAPER No.	MODEL No.	D	D1 (∅)	D2	H	W (□)	L	WEIGHT (kg)
P2774651	TCS12	TCS12 - M3	32	4	19	25	3.2	24	0.18
P2774652		TCS12 - M4	32	5	19	25	4.	24	0.18
P2774653		TCS12 - M5	32	5.5	19	25	4.5	24	0.18
P2774654		TCS12 - M6, U1/4	32	6	19	25	4.5	24	0.18
P2774655		TCS12 - M8	32	6.2	19	25	5	25	0.18
P2774656		TCS12 - M10, U3/8	32	7	19	25	5.5	25	0.18
P2774657		TCS12 - M12	32	8.5	19	25	6.5	26	0.18
P2774658	TCS24	TCS24 - M6	52	6	31	33	4.5	38	0.60
P2774659		TCS24 - M8	52	6.2	31	33	5	38	0.60
P2774660		TCS24 - M10	52	7	31	33	5.5	38	0.60
P2774661		TCS24 - M12	52	8.5	31	33	6.5	39	0.60
P2774662		TCS24 - M14, U3/4	52	10.5	31	33	8	41	0.60
P2774663		TCS24 - M16	52	12.5	31	33	10	43	0.60
P2774664		TCS24 - M18, P3/8	52	14	31	33	11	43	0.60
P2774665		TCS24 - M20	52	15	31	33	12	43.5	0.60
P2774666		TCS24 - M22, U7/8	52	17	31	33	13	46	0.60
P2774667		TCS24 - M24, PF5/8	52	19	31	33	15	46	0.60
P2774668	TCS38	TCS38 - M18	72	14	48	45	11	43	1.80
P2774669		TCS38 - M20	72	15	48	45	12	43.5	1.80
P2774670		TCS38 - M22	72	17	48	45	13	45	1.80
P2774671		TCS38 - M24	72	19	48	45	15	45	1.80
P2774672		TCS38 - M27, U1	72	20	48	45	15	62	1.80
P2774673		TCS38 - M30, PT3/4	72	23	48	45	17	64	1.80
P2774674		TCS38 - M33	72	25	48	45	19	66	1.80
P2774675		TCS38 - M36	72	28	48	45	21	68	1.80
P2774676		TCS38 - M38	72	28	48	45	21	68	1.80

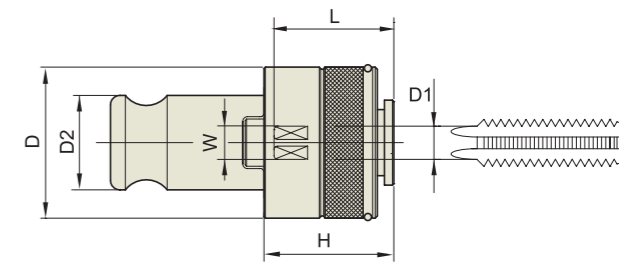
- ▶ Feature : Quick Change Type with Built-in Torque Safety Device
- ▶ For Pipe Type Tap, please discuss separately.

**YIG ONE STEP TAPPING CHUCK**

**TC**

**TAP ADAPTER (DIN)**

Below standard Tap Adapter conforms to **JIS**



Unit : mm

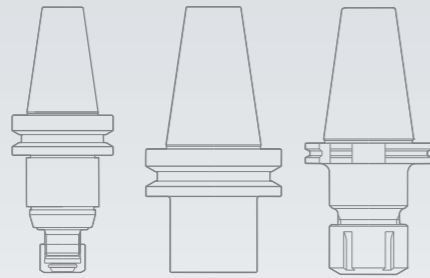
EDP No.	TAPER No.	MODEL No.	D	D1 (∅)	D2	H	W (□)	L	DIN No.	WEIGHT (kg)
P2774601	TCS12D	TCS12D - 2821	32	2.8	19	25	2.1	24	371	0.20
P2774602		TCS12D - 3527	32	3.5	19	25	2.7	24	371	0.20
P2774603		TCS12D - 4534	32	4.5	19	25	3.4	24	371	0.20
P2774604		TCS12D - 43	32	4	19	25	3	24	371	0.20
P2774605		TCS12D - 5543	32	5.5	19	25	4.3	25	376	0.20
P2774606		TCS12D - 649	32	6	19	25	4.9	25	371	0.20
P2774607		TCS12D - 755	32	7	19	25	5.5	25	376	0.20
P2774608		TCS12D - 862	32	8	19	25	6.2	25	371	0.20
P2774609		TCS12D - 97	32	9	19	25	7	26	376	0.20
P2774610		TCS12D - 108	32	10	19	25	8	26	371	0.20
P2774611		TCS12D - 119	32	11	19	25	9	26	376	0.20
P2774612		TCS24D - 649	52	6	31	33	4.9	38	371	0.60
P2774613		TCS24D - 755	52	7	31	33	5.5	38	376	0.60
P2774614	TCS24D - 862	52	8	31	33	6.2	38	371	0.60	
P2774615	TCS24D - 97	52	9	31	33	7	38	376	0.60	
P2774616	TCS24D - 108	52	10	31	33	8	39	371	0.60	
P2774617	TCS24D - 119	52	11	31	33	9	41	376	0.60	
P2774618	TCS24D - 129	52	12	31	33	9	43	376	0.60	
P2774619	TCS24D - 1411	52	14	31	33	11	43	376	0.60	
P2774620	TCS24D - 1612	52	16	31	33	12	46	376	0.60	
P2774621	TCS24D - 18145	52	18	31	33	14.5	46	376	0.60	
P2774622	TCS38D	TCS38D - 119	72	11	48	45	9	43	376	1.80
P2774623		TCS38D - 129	72	12	48	45	9	43	376	1.80
P2774624		TCS38D - 1411	72	14	48	45	11	45	376	1.80
P2774625		TCS38D - 1612	72	16	48	45	12	45	376	1.80
P2774626		TCS38D - 18145	72	18	48	45	14.5	62	376	1.80
P2774627		TCS38D - 2016	72	20	48	45	16	64	376	1.80
P2774628		TCS38D - 2218	72	22	48	45	18	66	376	1.80
P2774629		TCS38D - 2520	72	25	48	45	20	68	376	1.80
P2774630		TCS38D - 2822	72	28	48	45	22	68	376	1.80

- ▶ Feature : Quick Change Type with Built-in Torque Safety Device
- ▶ For Pipe Type Tap, please discuss separately.





Global Cutting Tool Leader **YG-1**



# ROTARY TOOLING

**YG-1 ROTARY TOOLING**

# SHELL MILL ARBOR

STANDARD, COOLANT CHANNEL TYPE, FLANGE MOUNTING TYPE  
COLLAR BOLT & DRIVE KEY

## SHELL MILL ARBOR

CAT : ASME B5.50-2009

CCT : CAT DUAL CONTACT

BT : JIS B6339/MAS 403-BT/ISO7388-2

CBT : BT DUAL CONTACT

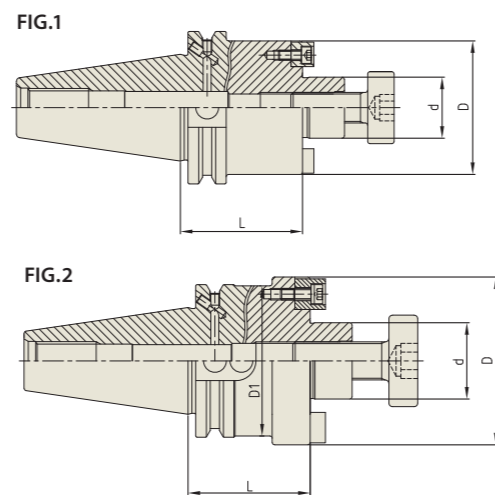
HSK : DIN69893/ISO12164-1

## ACCESSORY

COLLAR BOLT, DRIVE KEY, KEY BOLT



**SHELL MILL ARBOR**



Parts Refer to page D188-D189



**ASME B5.50-2009-CAT**

■ **STANDARD**

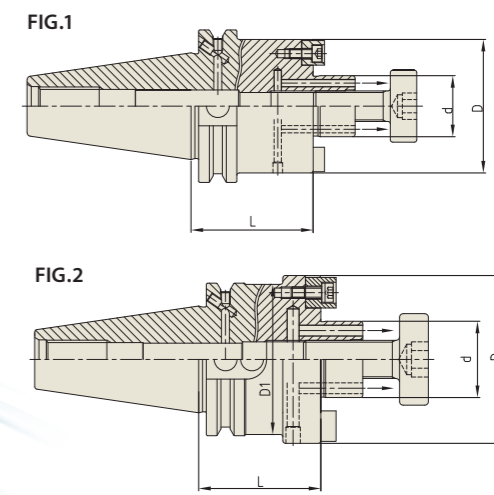
EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
<a href="#">EK006B</a>	40	CAT40 AD/B - SMA 1/2 - 1.50	.500	1.50	1.44	-	UNF1/4-28x16L	1
<a href="#">EK010B</a>		CAT40 AD/B - SMA 3/4 - 1.50	.750	1.50	1.69	-	UNF3/8-24x24L	1
<a href="#">EK014B</a>		CAT40 AD/B - SMA 1.0 - 2.00	1.000	2.00	2.19	-	UNF1/2-20x32L	1
<a href="#">EK017B</a>		CAT40 AD/B - SMA 1 1/4 - 2.00	1.250	2.00	2.75	2.46	UNF5/8-18x40L	2
<a href="#">EK0218</a>		CAT40 AD/B - SMA 1 1/2 - 3.00	1.500	3.00	3.81	2.46	UNF3/4-16x47L	2
<a href="#">EL010B</a>	50	CAT50 AD/B - SMA 3/4 - 1.50	.750	1.50	1.69	-	UNF3/8-24x24L	1
<a href="#">EL014B</a>		CAT50 AD/B - SMA 1.0 - 2.00	1.000	2.00	2.19	-	UNF1/2-20x32L	1
<a href="#">EL017B</a>		CAT50 AD/B - SMA 1 1/4 - 2.00	1.250	2.00	2.75	-	UNF5/8-18x40L	1
<a href="#">EL021B</a>		CAT50 AD/B - SMA 1 1/2 - 2.50	1.500	2.50	3.81	-	UNF3/4-16x47L	1
<a href="#">EL029B</a>		CAT50 AD/B - SMA 2.00 - 3.00	2.000	3.00	4.88	3.84	UN1-14x48L	2

■ **EXTENDED**

EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
<a href="#">EK306B</a>	40	CAT40 AD/B - SMA 1/2 - 3.50	.500	3.50	1.44	-	UNF1/4-28x16L	1
<a href="#">EK310B</a>		CAT40 AD/B - SMA 3/4 - 3.50	.750	3.50	1.69	-	UNF3/8-24x24L	1
<a href="#">EK314B</a>		CAT40 AD/B - SMA 1.0 - 4.00	1.000	4.00	2.19	-	UNF1/2-20x32L	1
<a href="#">EK317B</a>		CAT40 AD/B - SMA 1 1/4 - 4.00	1.250	4.00	2.75	2.46	UNF5/8-18x40L	2
<a href="#">EK321B</a>		CAT40 AD/B - SMA 1 1/2 - 4.00	1.500	4.00	3.81	2.46	UNF3/4-16x47L	2
<a href="#">EL310B</a>	50	CAT50 AD/B - SMA 3/4 - 3.50	.750	3.50	1.69	-	UNF3/8-24x24L	1
<a href="#">EL314B</a>		CAT50 AD/B - SMA 1.0 - 4.00	1.000	4.00	2.19	-	UNF1/2-20x32L	1
<a href="#">EL317B</a>		CAT50 AD/B - SMA 1 1/4 - 4.00	1.250	4.00	2.75	-	UNF5/8-18x40L	1
<a href="#">EL321B</a>		CAT50 AD/B - SMA 1 1/2 - 4.00	1.500	4.00	3.81	-	UNF3/4-16x47L	1
<a href="#">EL329B</a>		CAT50 AD/B - SMA 2.0 - 4.00	2.000	4.00	4.88	3.84	UN1-14x48L	2

\* High balanced Shell Mill Arbors are available on request.

**SHELL MILL ARBOR (Coolant Channel Type)**



Parts Refer to page D188-D189



**ASME B5.50-2009-CAT**

■ **STANDARD**

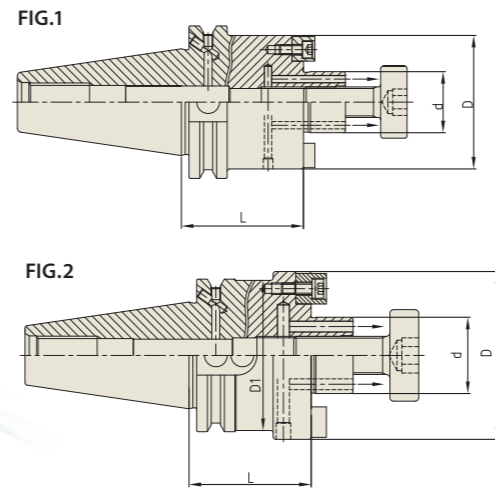
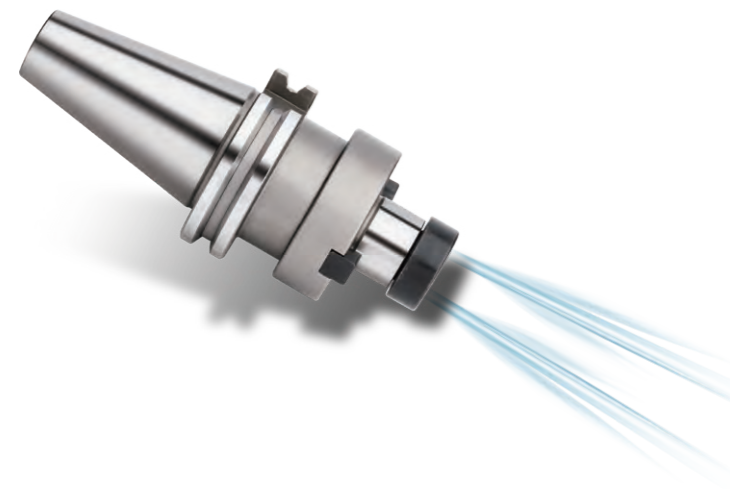
EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
<a href="#">EK006BC</a>	40	CAT40 AD/B - SMA 1/2C - 1.50	.500	1.50	1.44	-	UNF1/4-28x16L	1
<a href="#">EK010BC</a>		CAT40 AD/B - SMA 3/4C - 1.50	.750	1.50	1.69	-	UNF3/8-24x24L	1
<a href="#">EK014BC</a>		CAT40 AD/B - SMA 1.0C - 2.00	1.000	2.00	2.19	-	UNF1/2-20x32L	1
<a href="#">EK017BC</a>		CAT40 AD/B - SMA 1 1/4C - 2.00	1.250	2.00	2.75	2.46	UNF5/8-18x40L	2
<a href="#">EK021BC</a>		CAT40 AD/B - SMA 1 1/2C - 3.00	1.500	3.00	3.81	2.46	UNF3/4-16x47L	2
<a href="#">EL010BC</a>	50	CAT50 AD/B - SMA 3/4C - 1.50	.750	1.50	1.69	-	UNF3/8-24x24L	1
<a href="#">EL014BC</a>		CAT50 AD/B - SMA 1.0C - 2.00	1.000	2.00	2.19	-	UNF1/2-20x32L	1
<a href="#">EL017BC</a>		CAT50 AD/B - SMA 1 1/4C - 2.00	1.250	2.00	2.75	-	UNF5/8-18x40L	1
<a href="#">EL031BC</a>		CAT50 AD/B - SMA 1 1/2C - 2.50	1.500	2.50	3.81	-	UNF3/4-16x47L	1
<a href="#">EL029BC</a>		CAT50 AD/B - SMA 2.0C - 3.00	2.000	3.00	4.88	3.84	UN1-14x48L	2
<a href="#">EL029BC</a>		CAT50AD/B-SMA2"C-3.00	2.000	3.00	4.88	3.84	UN1-14x48L	2

■ **EXTENDED**

EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
<a href="#">EK306BC</a>	40	CAT40 AD/B - SMA 1/2C - 3.50	.500	3.50	1.44	-	UNF1/4-28x16L	1
<a href="#">EK310BC</a>		CAT40 AD/B - SMA 3/4C - 3.50	.750	3.50	1.69	-	UNF3/8-24x24L	1
<a href="#">EK314BC</a>		CAT40 AD/B - SMA 1.0C - 4.00	1.000	4.00	2.19	-	UNF1/2-20x32L	1
<a href="#">EK317BC</a>		CAT40 AD/B - SMA 1 1/4C - 4.00	1.250	4.00	2.75	2.46	UNF5/8-18x40L	2
<a href="#">EK321BC</a>		CAT40 AD/B - SMA 1 1/2C - 4.00	1.500	4.00	3.81	2.46	UNF3/4-16x47L	2
<a href="#">EL310BC</a>	50	CAT50 AD/B - SMA 3/4C - 3.50	.750	3.50	1.69	-	UNF3/8-24x24L	1
<a href="#">EL314BC</a>		CAT50 AD/B - SMA 1.0C - 4.00	1.000	4.00	2.19	-	UNF1/2-20x32L	1
<a href="#">EL317BC</a>		CAT50 AD/B - SMA 1 1/4C - 4.00	1.250	4.00	2.75	-	UNF5/8-18x40L	1
<a href="#">EL331BC</a>		CAT50 AD/B - SMA 1 1/2C - 4.00	1.500	4.00	3.81	-	UNF3/4-16x47L	1
<a href="#">EL329BC</a>		CAT50 AD/B - SMA 2.0C - 4.00	2.000	4.00	4.88	3.84	UN1-14x48L	2
<a href="#">EL329BC</a>		CAT50AD/B-SMA2"C-4.00	2.000	4.00	4.88	3.84	UN1-14x48L	2

\* High balanced Shell Mill Arbors are available on request.

**SHELL MILL ARBOR (Coolant Channel Type)**



Parts Refer to page D188-D189



**ASME B5.50-2009-CAT**

**STANDARD**

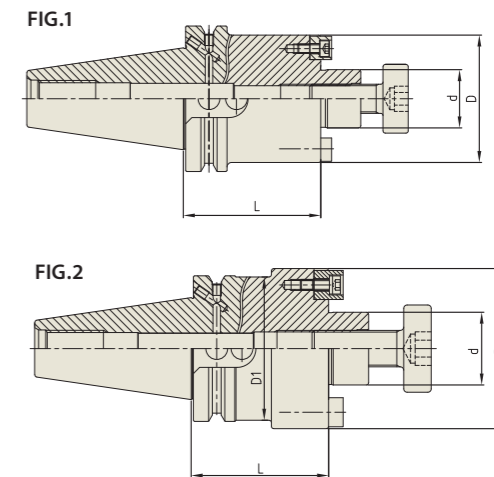
EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EK401BC	40	CAT40 AD/B - SMA 16C - 44	Ø16	44	Ø38	-	M8x1.25-16L	1
EK402BC		CAT40 AD/B - SMA 22C - 44	Ø22	44	Ø48	-	M10x1.5-18L	1
EK403BC		CAT40 AD/B - SMA 27C - 44	Ø27	44	Ø60	-	M12x1.75-22L	1
EK404BC		CAT40 AD/B - SMA 32C - 60	Ø32	60	Ø78	-	M16x2.0-26L	1
EK405BC		CAT40 AD/B - SMA 40C - 60	Ø40	60	Ø89	50	M20x2.5-30L	2
EL401BC	50	CAT50 AD/B - SMA 16C - 35	Ø16	35	Ø38	-	M8x1.25-16L	1
EL402BC		CAT50 AD/B - SMA 22C - 35	Ø22	35	Ø48	-	M10x1.5-18L	1
EL403BC		CAT50 AD/B - SMA 27C - 40	Ø27	40	Ø60	-	M12x1.75-22L	1
EL404BC		CAT50 AD/B - SMA 32C - 50	Ø32	50	Ø78	-	M16x2.0-26L	1
EL405BC		CAT50 AD/B - SMA 40C - 50	Ø40	50	Ø89	80	M20x2.5-30L	2

**EXTENDED**

EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EK406BC	40	CAT40 AD/B - SMA 16C - 100	Ø16	100	Ø38	-	M8x1.25-16L	1
EK407BC		CAT40 AD/B - SMA 22C - 100	Ø22	100	Ø48	-	M10x1.5-18L	1
EK408BC		CAT40 AD/B - SMA 27C - 100	Ø27	100	Ø60	-	M12x1.75-22L	1
EK409BC		CAT40 AD/B - SMA 32C - 100	Ø32	100	Ø78	-	M16x2.0-26L	1
EK410BC		CAT40 AD/B - SMA 40C - 100	Ø40	100	Ø89	50	M20x2.5-30L	2
EL406BC	50	CAT50 AD/B - SMA 16C - 100	Ø16	100	Ø38	-	M8x1.25-16L	1
EL407BC		CAT50 AD/B - SMA 22C - 100	Ø22	100	Ø48	-	M10x1.5-18L	1
EL408BC		CAT50 AD/B - SMA 22C - 160	Ø22	160	Ø48	-	M10x1.5-18L	1
EL409BC		CAT50 AD/B - SMA 27C - 100	Ø27	100	Ø60	-	M12x1.75-22L	1
EL410BC		CAT50 AD/B - SMA 27C - 160	Ø27	160	Ø60	-	M12x1.75-22L	1
EL411BC		CAT50 AD/B - SMA 32C - 100	Ø32	100	Ø78	-	M16x2.0-26L	1
EL412BC		CAT50 AD/B - SMA 32C - 160	Ø32	160	Ø78	-	M16x2.0-26L	1
EL413BC		CAT50 AD/B - SMA 40C - 100	Ø40	100	Ø89	80	M20x2.5-30L	2
EL414BC		CAT50 AD/B - SMA 40C - 160	Ø40	160	Ø89	80	M20x2.5-30L	2

\* High balanced Shell Mill Arbors are available on request.

**DUAL CONTACT SHELL MILL ARBOR**



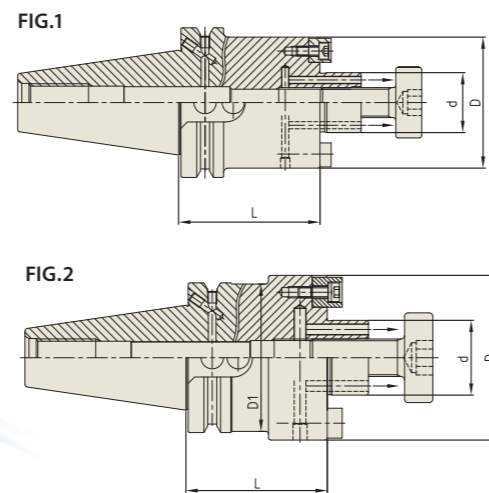
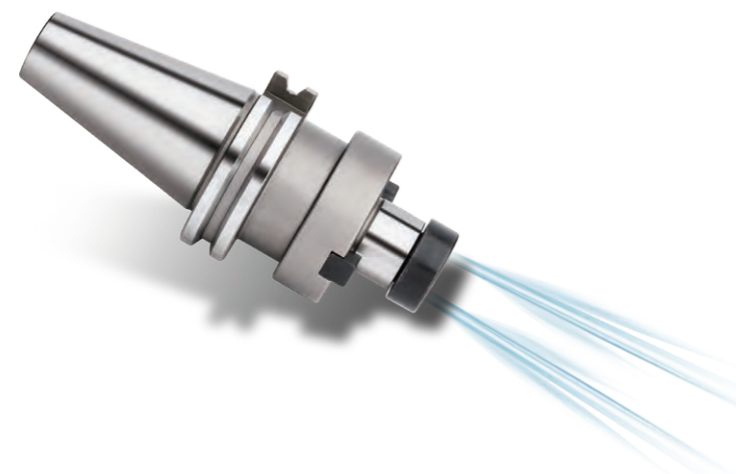
Parts Refer to page D188-D189



**CCT (CAT DUAL CONTACT)**

EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.	
FB020	40	CCT40 AD/B - SMA 1/2 - 2.36	.500	1.438	2.360	-	UNF1/4-28x16L	1	
FB022		CCT40 AD/B - SMA 1/2 - 4.72	.500	1.438	4.720	-	UNF1/4-28x16L	1	
EB024		CCT40 AD/B - SMA 3/4 - 2.36	.750	1.688	2.360	-	UNF3/8-24x24L	1	
EB026		CCT40 AD/B - SMA 3/4 - 4.72	.750	1.688	4.720	-	UNF3/8-24x24L	1	
EB028		CCT40 AD/B - SMA 1.0 - 2.36	1.000	2.188	2.360	-	UNF1/2-20x32L	1	
FB030		CCT40 AD/B - SMA 1.0 - 4.72	1.000	2.188	4.720	-	UNF1/2-20x32L	1	
EB032		CCT40 AD/B - SMA 1 1/4 - 2.36	1.250	2.750	2.360	2.461	UNF5/8-18x40L	2	
EB034		CCT40 AD/B - SMA 1 1/4 - 4.72	1.250	2.750	4.720	2.461	UNF5/8-18x40L	2	
EB051		CCT40 AD/B - SMA 1 1/2 - 4.00	1.500	3.813	4.000	2.461	UNF3/4-16x47L	2	
EC020		50	CCT50 AD/B - SMA 1/2 - 2.95	.500	1.438	2.950	-	UNF1/4-28x16L	1
EC022			CCT50 AD/B - SMA 1/2 - 4.72	.500	1.438	4.720	-	UNF1/4-28x16L	1
EC024			CCT50 AD/B - SMA 3/4 - 2.95	.750	1.688	2.950	-	UNF3/8-24x24L	1
EC026			CCT50 AD/B - SMA 3/4 - 4.72	.750	1.688	4.720	-	UNF3/8-24x24L	1
EC028			CCT50 AD/B - SMA 1.0 - 2.95	1.000	2.188	2.950	-	UNF1/2-20x32L	1
EC030	CCT50 AD/B - SMA 1.0 - 4.72		1.000	2.188	4.720	-	UNF1/2-20x32L	1	
EC032	CCT50 AD/B - SMA 1 1/4 - 2.95		1.250	2.750	2.950	-	UNF5/8-18x40L	1	
EC034	CCT50 AD/B - SMA 1 1/4 - 4.72		1.250	2.750	4.720	-	UNF5/8-18x40L	1	
EC036	CCT50 AD/B - SMA 1 1/2 - 2.95		1.500	3.813	2.950	-	UNF3/4-16x47L	1	
EC038	CCT50 AD/B - SMA 1 1/2 - 4.72		1.500	3.813	4.720	-	UNF3/4-16x47L	1	
EC051	CCT50 AD/B - SMA 2.0 - 4.72	2.000	4.880	4.000	3.836	UN1-14x48L	2		

**DUAL CONTACT SHELL MILL ARBOR (Coolant Channel Type)**



**CCT (CAT DUAL CONTACT)**

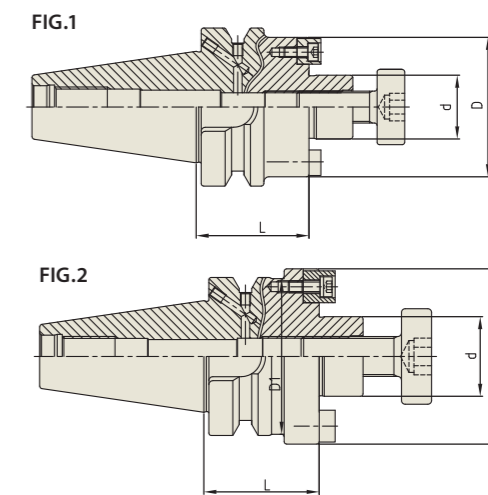
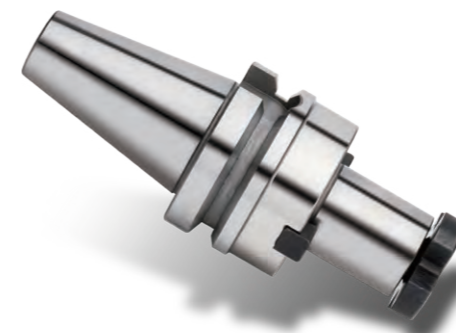
Parts Refer to page D188-D189



EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.	
EB044C	40	CCT40 AD/B - SMA 1/2C - 1.50	.500	1.500	1.438	-	UNF1/4-28x16L	1	
EB024C		CCT40 AD/B - SMA 3/4C - 2.36	.750	1.688	2.360	-	UNF3/8-24x24L	1	
EB040C		CCT40 AD/B - SMA 3/4C - 3.50	.750	1.688	3.500	-	UNF3/8-24x24L	1	
EB028C		CCT40 AD/B - SMA 1.0C - 2.36	1.000	2.188	2.360	-	UNF1/2-20x32L	1	
EB041C		CCT40 AD/B - SMA 1.0C - 4.00	1.000	2.188	4.000	-	UNF1/2-20x32L	1	
EB032C		CCT40 AD/B - SMA 1 1/4C - 2.36	1.250	2.750	2.360	2.461	UNF5/8-18x40L	2	
EB042C		CCT40 AD/B - SMA 1 1/4C - 4.00	1.250	2.750	4.000	2.461	UNF5/8-18x40L	2	
EB043C		CCT40 AD/B - SMA 1 1/2C - 4.00	1.500	3.813	4.000	2.461	UNF3/4-16x47L	2	
EC024C		50	CCT50 AD/B - SMA3/4C - 2.95	.750	1.688	2.950	-	UNF3/8-24x24L	1
EC040C			CCT50 AD/B - SMA3/4C - 3.5	.750	1.688	3.500	-	UNF3/8-24x24L	1
EC028C	CCT50 AD/B - SMA1C - 2.95		1.000	2.188	2.950	-	UNF1/2-20x32L	1	
EC041C	CCT50 AD/B - SMA1C - 4.0		1.000	2.188	4.000	-	UNF1/2-20x32L	1	
EC032C	CCT50 AD/B - SMA1 1/4C - 2.95		1.250	2.750	2.950	-	UNF5/8-18x40L	1	
EC042C	CCT50 AD/B - SMA1 1/4C - 4.0		1.250	2.750	4.000	-	UNF5/8-18x40L	1	
EC036C	CCT50 AD/B - SMA1 1/2C - 2.95		1.500	3.813	2.950	-	UNF3/4-16x47L	1	
EC043C	CCT50 AD/B - SMA1 1/2C - 4.0		1.500	3.813	4.000	-	UNF3/4-16x47L	1	
EC044C	CCT50 AD/B - SMA2C - 4.0		1.500	4.880	4.000	-	UN1-14x48L	1	

Unit : inch

**SHELL MILL ARBOR**



**JIS B6339/MAS 403-BT**

Parts Refer to page D188-D189



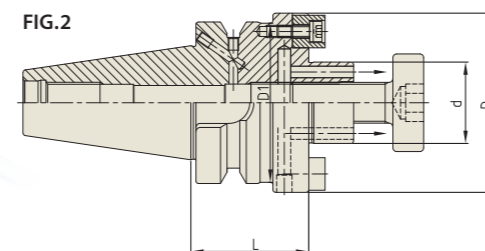
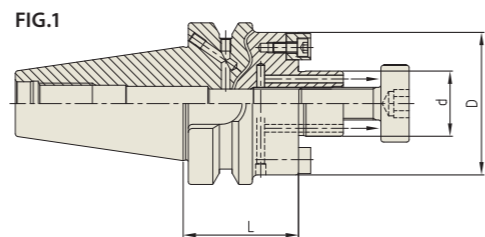
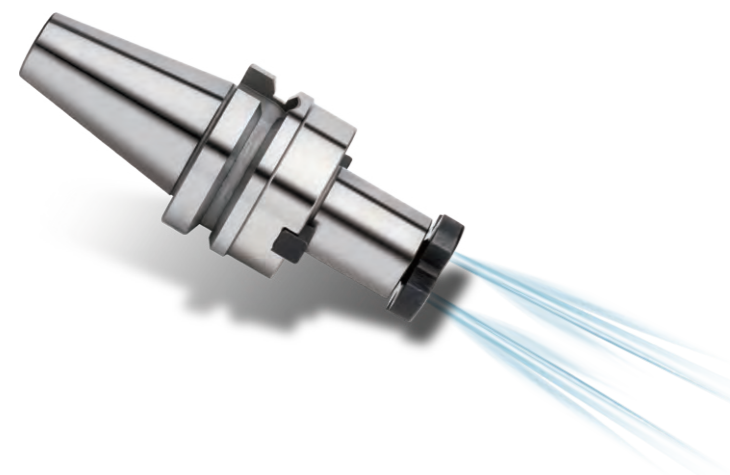
■ STANDARD									Unit : inch
EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.	
EH006B	40	BT40 AD/B - SMA 1/2 - 1.75	.500	1.75	1.44	-	UNF1/4-28x16L	1	
EH010B		BT40 AD/B - SMA 3/4 - 1.77	.750	1.77	1.69	-	UNF3/8-24x24L	1	
EH014B		BT40 AD/B - SMA 1.0 - 1.77	1.000	1.77	2.19	-	UNF1/2-20x32L	1	
EH017B		BT40 AD/B - SMA 1 1/4 - 1.81	1.250	1.81	2.75	2.44	UNF5/8-18x40L	2	
EH021B		BT40 AD/B - SMA 1 1/2 - 2.36	1.500	2.36	3.81	2.44	UNF3/4-16x47L	2	
EI010		50	BT50 - SMA 3/4 - 1.75	.750	1.75	1.69	-	UNF3/8-24x24L	1
EI014	BT50 - SMA 1.0 - 1.75		1.000	1.75	2.19	-	UNF1/2-20x32L	1	
EI017	BT50 - SMA 1 1/4 - 1.75		1.250	1.75	2.75	-	UNF5/8-18x40L	1	
EI021	BT50 - SMA 1 1/2 - 1.75		1.500	1.75	3.81	-	UNF3/4-16x47L	1	
EI029	BT50 - SMA 2.0 - 3.00		2.000	3.00	4.88	3.86	UN1-14x48L	2	

■ EXTENDED									Unit : inch
EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.	
EH306B	40	BT40 AD/B - SMA 1/2 - 3.50	.500	3.50	1.44	-	UNF1/4-28x16L	1	
EH310B		BT40 AD/B - SMA 3/4 - 4.13	.750	4.13	1.69	-	UNF3/8-24x24L	1	
EH314B		BT40 AD/B - SMA 1.0 - 4.13	1.000	4.13	2.19	-	UNF1/2-20x32L	1	
EH317B		BT40 AD/B - SMA 1 1/4 - 4.13	1.250	4.13	2.75	2.44	UNF5/8-18x40L	2	
EH321B		BT40 AD/B - SMA 1 1/2 - 4.72	1.500	4.72	3.81	2.44	UNF3/4-16x47L	2	
EI310		50	BT50 - SMA 3/4 - 3.50	.750	3.50	1.69	-	UNF3/8-24x24L	1
EI314	BT50 - SMA 1.0 - 4.00		1.000	4.00	2.19	-	UNF1/2-20x32L	1	
EI317	BT50 - SMA 1 1/4 - 4.00		1.250	4.00	2.75	-	UNF5/8-18x40L	1	
EI321	BT50 - SMA 1 1/2 - 4.00		1.500	4.00	3.81	-	UNF3/4-16x47L	1	
EI329	BT50 - SMA 2.0 - 4.00		2.000	4.00	4.88	3.86	UN1-14x48L	2	

\* High balanced Shell Mill Arbors are available on request.

**SHELL MILL ARBOR (Coolant Channel Type)**



Parts Refer to page D188-D189



**JIS B6339/MAS 403-BT**

■ **STANDARD**

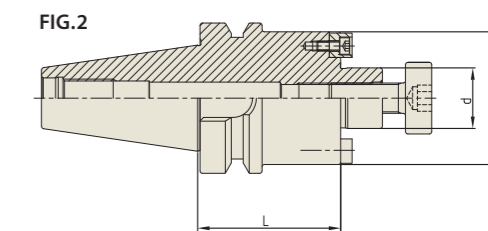
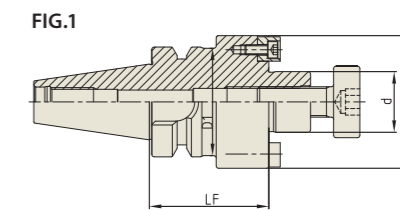
EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EH006BC	40	BT40 AD/B - SMA 1/2C - 1.75	.500	1.75	1.44	-	UNF1/4-28x16L	1
EH010BC		BT40 AD/B - SMA 3/4C - 1.77	.750	1.77	1.69	-	UNF3/8-24x24L	1
EH014BC		BT40 AD/B - SMA 1.0C - 1.77	1.000	1.77	2.19	-	UNF1/2-20x32L	1
EH017BC		BT40 AD/B - SMA 1 1/4C - 1.81	1.250	1.81	2.75	2.44	UNF5/8-18x40L	2
EH021BC		BT40 AD/B - SMA 1 1/2C - 2.36	1.500	2.36	3.81	2.44	UNF3/4-16x47L	2
EI101C		50	BT50 - SMA3/4C - 2.25	.750	2.25	1.69	-	UNF3/8-24x24L
EI102C	BT50 - SMA1.0C - 2.25		1.000	2.25	2.19	-	UNF1/2-20x32L	1
EI103C	BT50 - SMA1 1/4C - 2.25		1.250	2.25	2.75	-	UNF5/8-18x40L	1
EI104C	BT50 - SMA1 1/2C - 2.25		1.500	2.25	3.81	-	UNF3/4-16x47L	1
EI029C	BT50 - SMA2C - 3.00		2.000	3.00	4.88	3.86	UN1-14x48L	2

■ **EXTENDED**

EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EH306BC	40	BT40 AD/B - SMA 1/2C - 3.50	.500	3.50	1.44	-	UNF1/4-28x16L	1
EH351BC		BT40 AD/B - SMA 3/4C - 4.13	.750	4.13	1.69	-	UNF3/8-24x24L	1
EH314BC		BT40 AD/B - SMA 1.0C - 4.13	1.000	4.13	2.19	-	UNF1/2-20x32L	1
EH317BC		BT40 AD/B - SMA 1 1/4C - 4.1.3	1.250	4.13	2.75	2.44	UNF5/8-18x40L	2
EH321BC		BT40 AD/B - SMA 1 1/2C - 4.72	1.500	4.72	3.81	2.44	UNF3/4-16x47L	2
EI351C		50	BT50 - SMA3/4C - 3.50	.750	3.50	1.69	-	UNF3/8-24x24L
EI314C	BT50 - SMA1C - 4.00		1.000	4.00	2.19	-	UNF1/2-20x32L	1
EI317C	BT50 - SMA1 1/4C - 4.00		1.250	4.00	2.75	-	UNF5/8-18x40L	1
EI321C	BT50 - SMA1 1/2C - 4.00		1.500	4.00	3.81	-	UNF3/4-16x47L	1
EI329C	BT50 - SMA2C - 4.00		2.000	4.00	4.88	3.86	UN1-14x48L	2

\* High balanced Shell Mill Arbors are available on request.

**DUAL CONTACT SHELL MILL ARBOR**



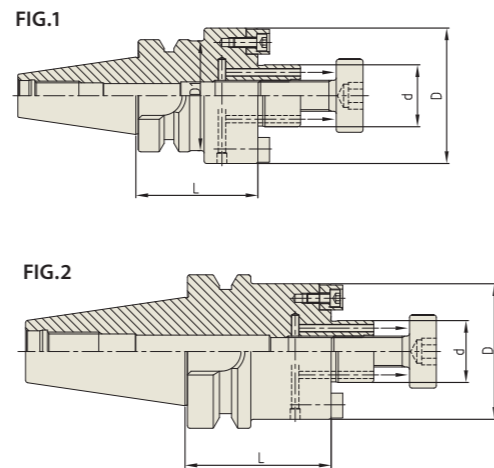
Parts Refer to page D188-D189



**CBT (BT DUAL CONTACT)**

EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
ED100	30	CBT30 - SMA 1/2 - 1.97	.500	1.438	1.970	-	UNF1/4-28x16L	2
ED102		CBT30 - SMA 3/4 - 1.97	.750	1.688	1.970	-	UNF3/8-24x24L	2
ED104		CBT30 - SMA 1.0 - 1.97	1.000	2.188	1.970	1.772	UNF1/2-20x32L	1
ED106		CBT30 - SMA 1 1/4 - 1.97	1.250	2.750	1.970	1.772	UNF5/8-18x40L	1
EE100	40	CBT40 - SMA 1/2 - 2.36	.500	1.438	2.360	-	UNF1/4-28x16L	2
EE102		CBT40 - SMA 3/4 - 2.36	.750	1.688	2.360	-	UNF3/8-24x24L	2
EE104		CBT40 - SMA 1.0 - 2.36	1.000	2.188	2.360	-	UNF1/2-20x32L	2
EE106		CBT40 - SMA 1 1/4 - 2.36	1.250	2.750	2.360	2.441	UNF5/8-18x40L	1

**DUAL CONTACT SHELL MILL ARBOR (Coolant Channel Type)**



**CBT (BT DUAL CONTACT)**

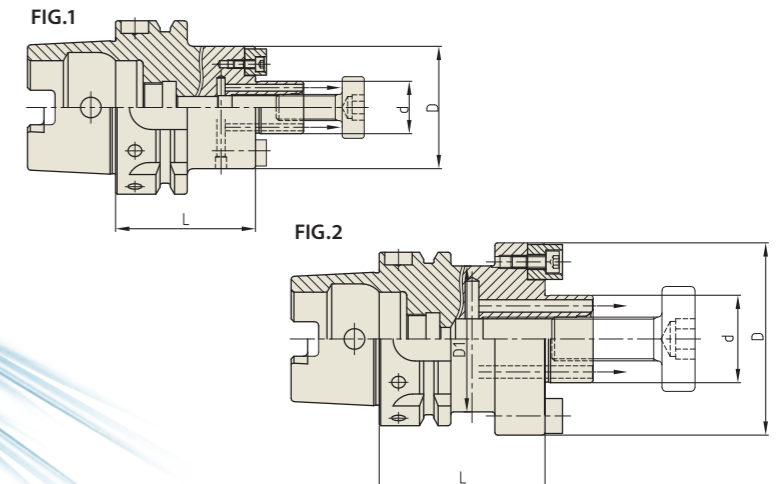
Parts Refer to page D188-D189

CBT AT3 2.5G 25,000 RPM AD+C

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
ED100C	30	CBT30 - SMA 1/2C - 1.97	.500	1.438	1.970	-	UNF1/4-28x16L	2
ED102C		CBT30 - SMA 3/4C - 1.97	.750	1.688	1.970	-	UNF3/8-24x24L	2
ED104C		CBT30 - SMA 1.0C - 1.97	1.000	2.188	1.970	1.771	UNF1/2-20x32L	1
ED106C		CBT30 - SMA 1 1/4C - 1.97	1.250	2.750	1.970	1.771	UNF5/8-18x40L	1
EE100C	40	CBT40 - SMA 1/2C - 2.36	.500	1.438	2.360	-	UNF1/4-28x16L	2
EE102C		CBT40 - SMA 3/4C - 2.36	.750	1.688	2.360	-	UNF3/8-24x24L	2
EE104C		CBT40 - SMA 1.0C - 2.36	1.000	2.188	2.360	-	UNF1/2-20x32L	2
EE106C		CBT40 - SMA 1 1/4C - 2.36	1.250	2.750	2.360	2.441	UNF5/8-18x40L	1

**DUAL CONTACT SHELL MILL ARBOR (Coolant Channel Type)**



**DIN69893/ ISO12164-1 HSK FORM A**

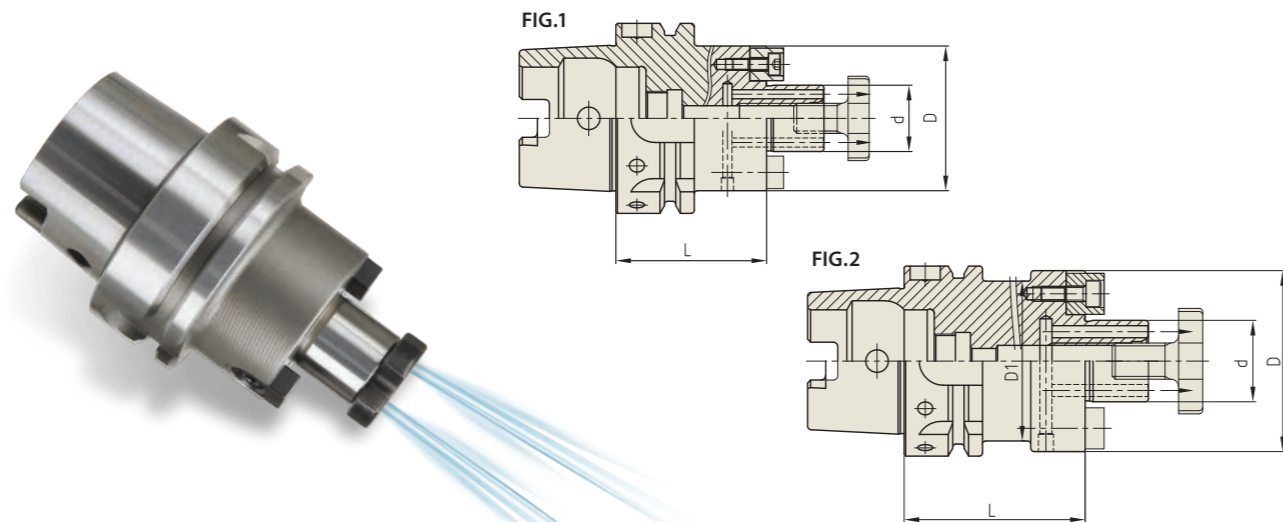
Parts Refer to page D188-D189

DIN 69893-HSK AT3 6.3G 15,000 RPM AD+C

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EQ201C	63A	HSK63A - SMA 1/2C - 2.00	.500	2.000	1.438	-	UNF1/4-28x16L	1
EQ101C		HSK63A - SMA 3/4C - 2.00	.750	2.000	1.750	-	UNF3/8-24x24L	1
EQ102C		HSK63A - SMA 3/4C - 3.00	.750	3.000	1.750	-	UNF3/8-24x24L	1
EQ103C		HSK63A - SMA 1.0C - 2.37	1.000	2.370	2.250	2.087	UNF1/2-20x32L	2
EQ104C		HSK63A - SMA 1 1/4C - 2.37	1.250	2.370	2.750	2.087	UNF5/8-18x40L	2
EQ105C		HSK63A - SMA 1 1/2C - 2.37	1.500	2.370	3.500	2.087	UNF3/4-16x47L	2
ER101C	100A	HSK100A - SMA3/4C - 4.00	.750	4.000	1.750	-	UNF3/8-24x24L	1
ER102C		HSK100A - SMA1C - 2.00	1.000	2.000	2.250	-	UNF1/2-20x32L	1
ER103C		HSK100A - SMA1C - 4.00	1.000	4.000	2.250	-	UNF1/2-20x32L	1
ER104C		HSK100A - SMA1 1/4C - 4.00	1.250	4.000	2.750	-	UNF5/8-18x40L	1
ER105C		HSK100A - SMA1 1/2C - 2.25	1.500	2.250	3.500	3.465	UNF3/4-16x47L	2
ER106C		HSK100A - SMA2.00C - 4.00	2.000	4.000	4.870	3.465	UN1-14x48L	2

**DUAL CONTACT SHELL MILL ARBOR (Coolant Channel Type)**



**DIN69893/ ISO12164-1 HSK FORM A**

Parts Refer to page D188-D189



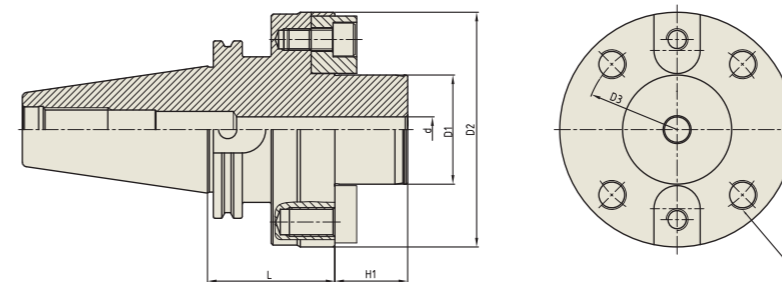
**STANDARD**

EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EQ001C	63A	HSK63A - SMA 16C - 50	16	50	38	-	M8x1.25-16L	1
EQ002C		HSK63A - SMA 22C - 50	22	50	48	-	M10x1.5-18L	1
EQ003C		HSK63A - SMA 27C - 60	27	60	60	53	M12x1.75-22L	2
EQ004C		HSK63A - SMA 32C - 60	32	60	78	53	M16x2.0-26L	2
EQ005C		HSK63A - SMA 40C - 60	40	60	89	53	M20x2.5-30L	2
ER001C	100A	HSK100A - SMA 16C - 50	16	50	38	-	M8x1.25-16L	1
ER002C		HSK100A - SMA 22C - 50	22	50	48	-	M10x1.5-18L	1
ER003C		HSK100A - SMA 27C - 50	27	50	60	-	M12x1.75-22L	1
ER004C		HSK100A - SMA 32C - 60	32	60	78	-	M16x2.0-26L	1
ER005C		HSK100A - SMA 40C - 60	40	60	89	-	M20x2.5-30L	1

**EXTENDED**

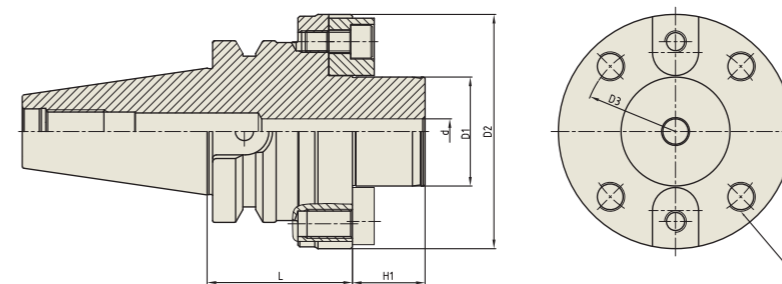
EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EQ006C	63A	HSK63A - SMA 16C - 100	16	100	38	-	M8x1.25-16L	1
EQ007C		HSK63A - SMA 16C - 145	16	145	38	-	M8x1.25-16L	1
EQ008C		HSK63A - SMA 22C - 100	22	100	48	-	M10x1.5-18L	1
EQ009C		HSK63A - SMA 22C - 160	22	160	48	-	M10x1.5-18L	1
EQ010C		HSK63A - SMA 27C - 100	27	100	60	53	M12x1.75-22L	2
EQ011C		HSK63A - SMA 27C - 160	27	160	60	53	M12x1.75-22L	2
EQ012C		HSK63A - SMA 32C - 100	32	100	78	53	M16x2.0-26L	2
EQ013C		HSK63A - SMA 40C - 160	40	160	89	53	M20x2.5-30L	2
ER006C		100	HSK100A - SMA 16C - 100	16	100	38	-	M8x1.25-16L
ER007C	HSK100A - SMA 22C - 100		22	100	48	-	M10x1.5-18L	1
ER008C	HSK100A - SMA 22C - 160		22	160	48	-	M10x1.5-18L	1
ER009C	HSK100A - SMA 27C - 100		27	100	60	-	M12x1.75-22L	1
ER010C	HSK100A - SMA 27C - 160		27	160	60	-	M12x1.75-22L	1
ER011C	HSK100A - SMA 32C - 100		32	100	78	-	M16x2.0-26L	1
ER012C	HSK100A - SMA 32C - 160		32	160	78	-	M16x2.0-26L	1
ER013C	HSK100A - SMA 40C - 100		40	100	89	-	M20x2.5-30L	1
ER014C	HSK100A - SMA 40C - 160		40	160	89	-	M20x2.5-30L	1

**SHELL MILL ARBOR (Flange Mounting type)**



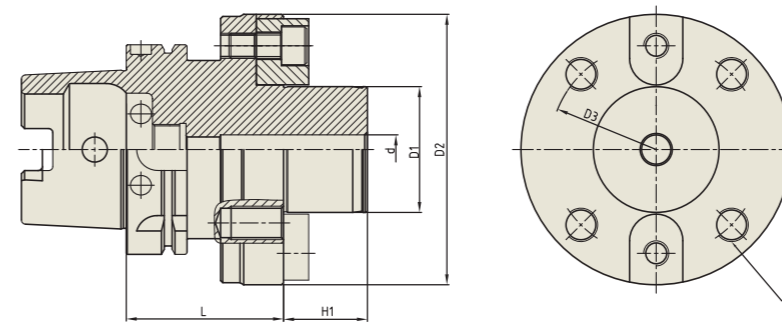
**ASME B5.50-2009-CAT**

EDP No.	TAPER No.	MODEL No.	d	D1	D2	D3	L	H1	M (TAP)	DRIVE KEY (BOLT)	WEIGHT (kg)
EL451	CAT50	CAT50 - SMF 40 - 70	14	40	89	66.7	70	30	4-M12	15.9x16x21.5 (M6-15L)	
EL452		CAT50 - SMF 60 - 70	14	60	129	101.6	70	40	4-M16	25.4x25.4x31.5 (M12-25L)	



**JIS B6339/MAS 403-BT**

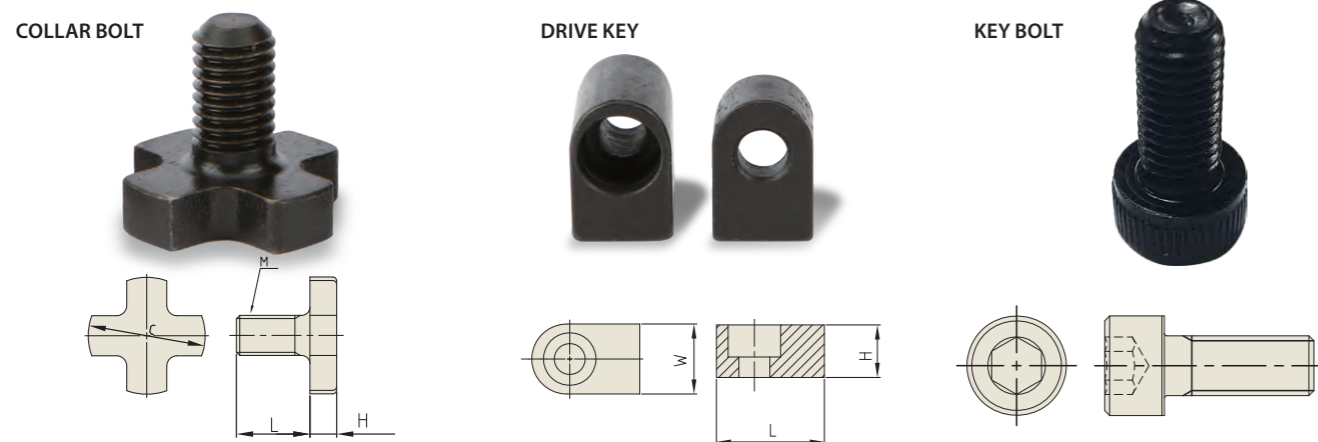
EDP No.	TAPER No.	MODEL No.	d	D1	D2	D3	L	H1	M (TAP)	DRIVE KEY (BOLT)	WEIGHT (kg)
EI201	BT50	BT50 - SMF 40 - 70	14	40	89	66.7	70	30	4-M12	15.9x16x21.5 (M6-15L)	
EI202		BT50 - SMF 60 - 80	14	60	129	101.6	80	40	4-M16	25.4x25.4x31.5 (M12-25L)	
EI331		BT50 - SMF 63.5(2.5") - 76.2(3.0")	14	63.5	123.8	101.6	76.2	29	4-UNC5/8-11	25.4x25x28 (M12-25L)	



**DIN69893/ISO12164-1 HSK FORM A**

EDP No.	TAPER No.	MODEL No.	d	D1	D2	D3	L	H1	M (TAP)	DRIVE KEY (BOLT)	WEIGHT (kg)
ER021	HSK100A	HSK100A - SMF 60 - 75	14	60	129	101.6	75	40	4-M16	25.4x25.4x31.5 (M12-25L)	

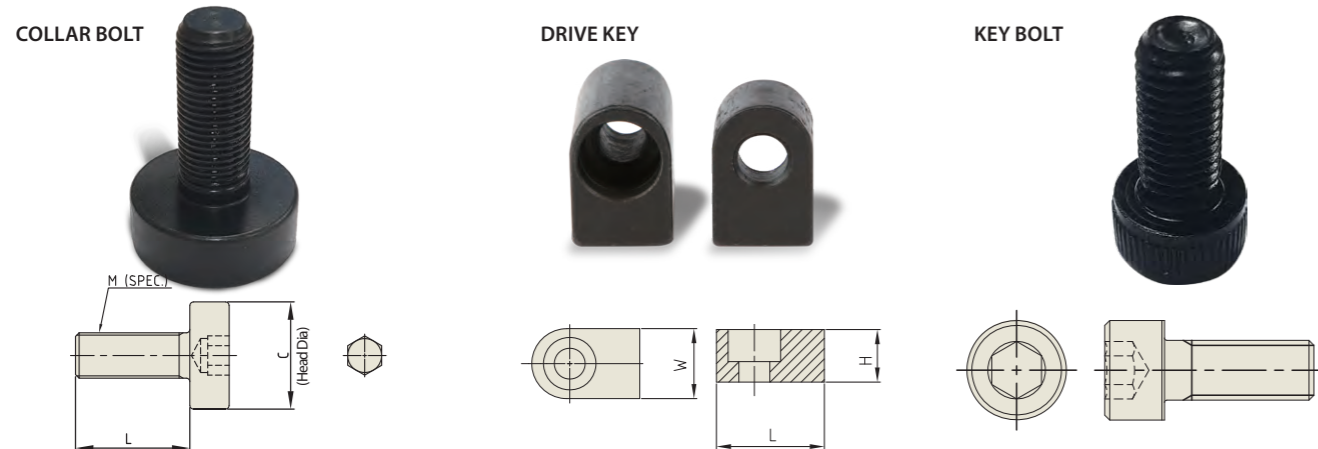
**COLLAR BOLT & DRIVE KEY (For SHELL MILL ARBOR )**



**Accessories (Standard SMA)**

Unit : mm

SPIGOT Dia.	COLLAR BOLT			DRIVE KEY		KEY BOLT	
	SPEC.	Head Dia. (mm)	EDP No.	SPEC. (WxHxL) (mm)	EDP No.	SPEC.	EDP No.
16	M8 x 1.25 x 16L	20	P2514051	8 x 7 x 12.8	P2778857	M3x0.5x10L	P2778863
22	M10 x 1.5 x 18L	28	P2514052	10 x 7.8 x 15.5	P2778858	M4x0.7x10L	P2778864
27	M12 x 1.75 x 22L	35	P2514053	12 x 9 x 18.5	P2778859	M5x0.8x12L	P2778865
32	M16 x 2.0 x 26L	42	P2514054	14 x 11.5 x 20.5	P2778860	M6x1.0x15L	P2778866
40	M20 x 2.5 x 30L	52	P2514055	16 x 13.5 x 23.5	P2778861	M6x1.0x15L	P2778866
50	M24 x 3.0 x 36L	63	P2514056	18 x 18 x 28.5	P2778862	M6x1.0x20L	P2778868

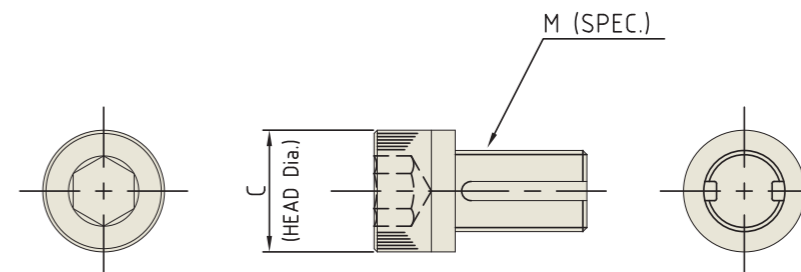


**Accessories (inch)**

Unit : inch

SPIGOT Dia.	COLLAR BOLT			DRIVE KEY		KEY BOLT	
	SPEC.	Head Dia. (mm)	EDP No.	SPEC. (WxHxL) (mm)	EDP No.	SPEC.	EDP No.
1/2	UNF1/4-28 x 16L	15.7	ZZ031	6.35x6.35x8	ZZ021	UNC#3-48 x 1/4L	ZZ181
3/4	UNF3/8-24 x 24L	22.4	ZZ032	7.93x7.93x9.5	ZZ022	UNC#5-40 x 5/16L	ZZ182
1	UNF1/2-20 x 32L	30.0	ZZ033	9.52x9.52x10.2	ZZ023	UNC#8-32 x 3/8L	ZZ183
1 1/4	UNF5/8-18 x 40L	38.1	ZZ034	12.7x12.7x12.7	ZZ024	UNC#10-24 x 1/2L	ZZ184
1 1/2	UNF3/4-16 x 47L	47.7	ZZ035	15.87x11.8x18.5	ZZ025	UNC1/4-20 x 5/8L	ZZ185
2	UN1-14 x 48L	50.8	ZZ036	19.05x18x22	ZZ026	UNC5/16-18 x 3/4L	ZZ186

**COLLAR BOLT (Coolant groove)**



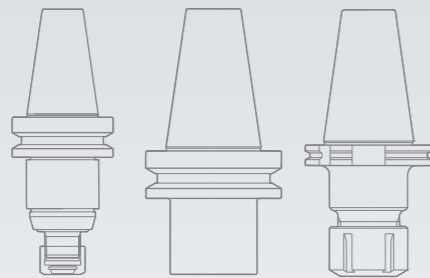
**Accessories (inch)- Coolant Groove**

SPIGOT Dia.	COLLAR BOLT		
	SPEC.	Head Dia. (mm)	EDP No.
1/2	UNF1/4-28 x 25.4L	3/8 (9.52)	ZZ251
3/4	UNF3/8-24 x 25.4L	9/16 (14.27)	ZZ252
3/4	UNF3/8-24 x 38.1L	9/16 (14.27)	ZZ254
1	UNF1/2-20 x 31.75L	3/4 (19.05)	ZZ253
1	UNF1/2-20 x 50.8L	3/4 (19.05)	ZZ255
1 1/4	UNF5/8-18 x 38.1L	15/16 (23.81)	ZZ256
1 1/2	UNF3/4-16 x 44.45L	1 1/8 (28.575)	ZZ257
2	UN1-14 x 50.8L	1 1/2 (38.1)	ZZ258





Global Cutting Tool Leader **YG-1**



# ROTARY TOOLING

**YG-1 ROTARY TOOLING**

# NC DRILL CHUCK

KEYLESS TYPE, HEX KEY TYPE

## NC DRILL CHUCK

CAT : ASME B5.50-2009

BT : JIS B6339/MAS 403-BT/ISO7388-2

HSK : DIN69893/ISO12164-1

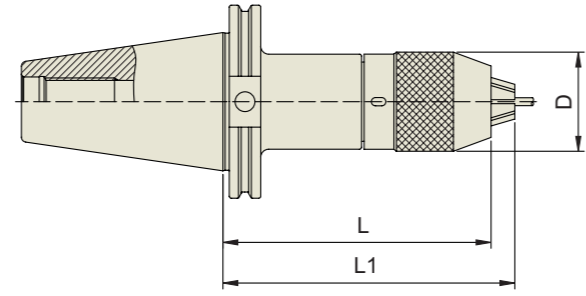
STRAIGHT-K



**YG NC DRILL CHUCK**

**CAT**

**NC DRILL CHUCK (KEYLESS TYPE)**



**ASME B5.50-2009-CAT**

Unit : inch

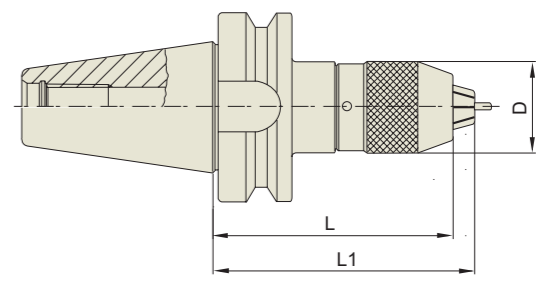
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	L1
<a href="#">RK020</a>	40	CAT 40 - NPU8 - 2.95	.012 - .315	1.437	2.950	3.174
<a href="#">RK022</a>		CAT 40 - NPU8 - 4.33	.012 - .315	1.437	4.331	4.555
<a href="#">RK024</a>		CAT 40 - NPU8 - 5.91	.012 - .315	1.437	5.906	6.130
<a href="#">RK026</a>		CAT 40 - NPU13 - 3.54	.039 - .512	1.984	3.543	3.937
<a href="#">RK028</a>		CAT 40 - NPU13 - 5.12	.039 - .512	1.984	5.118	5.512
<a href="#">RK030</a>		CAT 40 - NPU13 - 5.91	.039 - .512	1.984	5.906	6.299
<a href="#">RL020</a>	50	CAT 50 - NPU8 - 3.54	.012 - .315	1.437	3.543	3.768
<a href="#">RL022</a>		CAT 50 - NPU8 - 4.33	.012 - .315	1.437	4.331	4.555
<a href="#">RL024</a>		CAT 50 - NPU8 - 6.69	.012 - .315	1.437	6.693	6.917
<a href="#">RL026</a>		CAT 50 - NPU13 - 3.94	.039 - .512	1.984	3.937	4.331
<a href="#">RL028</a>		CAT 50 - NPU13 - 5.12	.039 - .512	1.984	5.118	5.512
<a href="#">RL030</a>		CAT 50 - NPU13 - 5.91	.039 - .512	1.984	5.906	6.299
<a href="#">RL032</a>		CAT 50 - NPU13 - 6.69	.039 - .512	1.984	6.693	7.087

\* Hook Wrench Size  
 - NPU8 : 8S  
 - NPU13 : 13S

**YG NC DRILL CHUCK**

**BT**

**NC DRILL CHUCK (KEYLESS TYPE)**



**JIS B6339/MAS 403-BT**

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L(Min.)	L1(Max.)
<a href="#">RG100</a>	30	BT30 - NPU8 - 75	0.3 - 8	36.5	75	80.7
<a href="#">RG102</a>		BT30 - NPU13 - 105	1 - 13	50.4	105	115
<a href="#">RH100</a>	40	BT40 - NPU8 - 80	0.3 - 8	36.5	80	85.7
<a href="#">RH102</a>		BT40 - NPU8 - 110	0.3 - 8	36.5	110	115.7
<a href="#">RH104</a>		BT40 - NPU8 - 150	0.3 - 8	36.5	150	155.7
<a href="#">RH106</a>		BT40 - NPU13 - 95	1 - 13	50.4	95	100.7
<a href="#">RH108</a>		BT40 - NPU13 - 130	1 - 13	50.4	130	140
<a href="#">RH110</a>		BT40 - NPU13 - 150	1 - 13	50.4	150	160

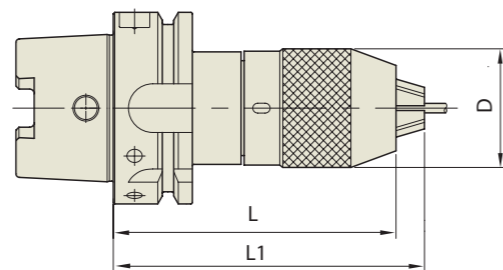
\* Chucking Length  
 - NPU8 : 20mm  
 - NPU13 : 28mm

\* Hook Wrench Size  
 - NPU8 : 8S  
 - NPU13 : 13S

Hydraulic Chuck  
 Shrink Fit Holder  
 End Mill Holder & Side Lock Arbor  
 ER Collet Chuck  
 SK Slim Chuck  
 TG Collet Chuck  
 Power Milling Chuck  
 Morse Taper Adapter  
 Tapping Chuck  
 One Step Tapping Chuck  
 Shell Mill Arbor  
 NC Drill Chuck  
 Jacobs Taper Arbor  
 Stub Arbor  
 Slitting Saw Arbor  
 Pull Stud & Tool Clamp  
 TECHNICAL INFORMATION

Hydraulic Chuck  
 Shrink Fit Holder  
 End Mill Holder & Side Lock Arbor  
 ER Collet Chuck  
 SK Slim Chuck  
 TG Collet Chuck  
 Power Milling Chuck  
 Morse Taper Adapter  
 Tapping Chuck  
 One Step Tapping Chuck  
 Shell Mill Arbor  
 NC Drill Chuck  
 Jacobs Taper Arbor  
 Stub Arbor  
 Slitting Saw Arbor  
 Pull Stud & Tool Clamp  
 TECHNICAL INFORMATION

**DUAL CONTACT NC DRILL CHUCK (KEYLESS TYPE)**

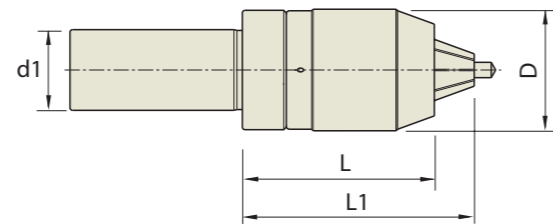


**DIN 69893/ISO 12164-1-HSK FORM A**

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L(Min.)	L1(Max.)
<b>RQ100</b>	63A	HSK63A - NPU8 - 125	0.3 - 8	36.5	125	130.7
<b>RQ102</b>		HSK63A - NPU13 - 150	1 - 13	50.4	150	160
<b>RR100</b>	100A	HSK100A - NPU8 - 130	0.3 - 8	36.5	130	135.7
<b>RR102</b>		HSK100A - NPU13 - 1510	1 - 13	50.4	150	160

**STRAIGHT NC DRILL CHUCK (KEYLESS TYPE)**



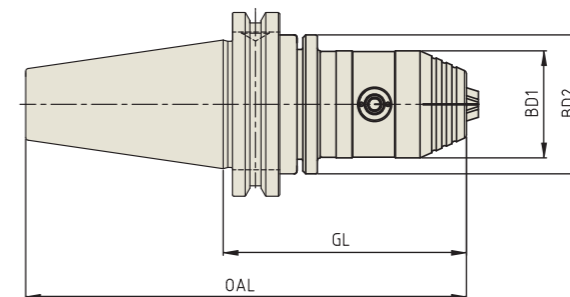
**STRAIGHT-K**

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L(Min.)	L1(Max.)	d1
<b>RS100</b>	32	K32 - NPU8 - 75	0.3 - 8	36.5	75	80.7	32.0
<b>RS102</b>		K32 - NPU13 - 100	1 - 13	50.4	100	110	32.0
<b>RS104</b>	42	K42 - NPU8 - 70	0.3 - 8	36.5	70	75.7	42.0
<b>RS106</b>		K42 - NPU13 - 100	1 - 13	50.4	100	110	42.0

\* Hook Wrench Size  
 - NPU8 : 8S  
 - NPU13 : 13S

**NC DRILL CHUCK (HEX KEY TYPE)**



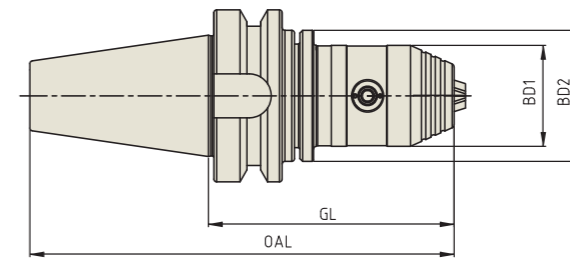
**ASME B5.50-2009-CAT**

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	OAL	GL	BD1	BD2	LB	WEIGHT(Kg)
<b>RK200</b>	40	CAT40 - HKD 8 - 90	0.3 - 8.0	158.4	90	37	48	-	
<b>RK201</b>		CAT40 - HKD 13 - 100	0.3 - 13.0	168.4	100	50.1	50.1	-	
<b>RK202</b>		CAT40 AD/B - HKD 8 - 110	0.3 - 8.0	178.4	110	37	48	-	
<b>RK203</b>		CAT40 AD/B - HKD 13 - 130	0.3 - 13.0	198.4	130	50.1	50.1	-	

\* Hex Wrench Size  
 HKD8 : 4mm , HKD13 : 6mm

**NC DRILL CHUCK (HEX KEY TYPE)**



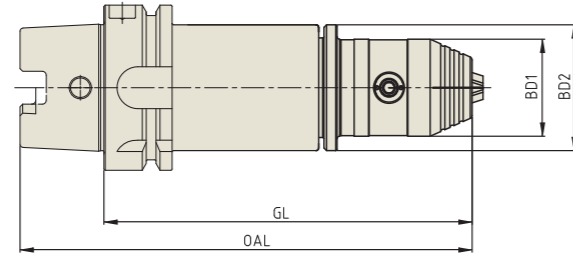
**JIS B6339/MAS 403-BT**

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	OAL	GL	BD1	BD2	WEIGHT(Kg)
<b>RH200</b>	40	BT40 - HKD 8 - 90	0.3 - 8.0	155.4	90	37	48	-
<b>RH201</b>		BT40 - HKD 13 - 110	0.3 - 13.0	175.4	110	50.1	50.1	-
<b>RH202</b>		BT40 AD/B - HKD 8 - 120	0.3 - 8.0	185.4	120	37	48	-
<b>RH203</b>		BT40 AD/B - HKD 13 - 140	0.3 - 13.0	205.4	140	50.1	50.1	-

\* Hex Wrench Size  
 HKD8 : 4mm , HKD13 : 6mm

**NC DRILL CHUCK (HEX KEY TYPE)**



**DIN 69893/ISO 12164-1-HSK FORM A**

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	OAL	GL	BD1	BD2	WEIGHT(Kg)
RQ200	63A	HSK63A - HKD 8 - 155	0.3 - 8.0	177	145	37	48	-
RQ201		HSK63A - HKD 13 - 175	0.3 - 13.0	197	165	50.1	50.1	-

\* Hex Wrench Size  
HKD8 : 4mm , HKD13 : 6mm

- Hydraulic Chuck
- Shrink Fit Holder
- End Mill Holder & Side Lock Arbor
- ER Collet Chuck
- SK Slim Chuck
- TG Collet Chuck
- Power Milling Chuck
- Morse Taper Adapter
- Tapping Chuck
- One Step Tapping Chuck
- Shell Mill Arbor
- NC Drill Chuck**
- Jacobs Taper Arbor
- Stub Arbor
- Slitting Saw Arbor
- Pull Stud & Tool Clamp
- TECHNICAL INFORMATION

**YG-1 ROTARY TOOLING**

**JACOBS  
TAPER ARBOR**



**JACOBS TAPER ARBOR**

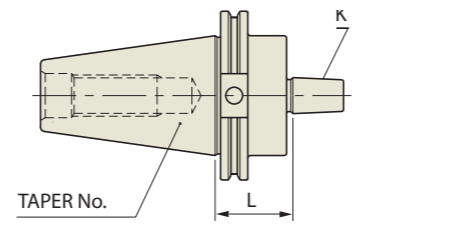
CAT : ASME B5.50-200

BT : JIS B6339/MAS 403

**JACOBS TAPER ARBOR**

**CAT**

**JACOBS TAPER ARBOR**



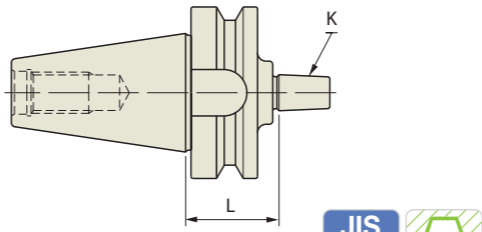
ASME B5.50-2009-CAT

Unit : inch

EDP No.	TAPER No.	MODEL No.	K	L
<a href="#">GK042</a>	40	CAT40 - JTA 1 - 1.50	#1	1.50
<a href="#">GK043</a>		CAT40 - JTA 2 - 1.50	#2	1.50
<a href="#">GK044</a>		CAT40 - JTA 3 - 1.50	#3	1.50
<a href="#">GK045</a>		CAT40 - JTA 4 - 1.50	#4	1.50
<a href="#">GK046</a>		CAT40 - JTA 6 - 1.50	#6	1.50
<a href="#">GK047</a>		CAT40 - JTA 33 - 1.50	#33	1.50
<a href="#">GL042</a>	50	CAT50 - JTA 1 - 1.50	#1	1.50
<a href="#">GL043</a>		CAT50 - JTA 2 - 1.50	#2	1.50
<a href="#">GL044</a>		CAT50 - JTA 3 - 1.50	#3	1.50
<a href="#">GL045</a>		CAT50 - JTA 4 - 1.50	#4	1.50
<a href="#">GL046</a>		CAT50 - JTA 6 - 1.50	#6	1.50
<a href="#">GL047</a>		CAT50 - JTA 33 - 1.50	#33	1.50

**BT**

**JACOBS TAPER ARBOR**



JIS B6339/MAS 403-BT

Unit : inch

EDP No.	TAPER No.	MODEL No.	K	L
<a href="#">GH042</a>	40	BT40 - JTA 1 - 1.34	#1	1.34
<a href="#">GH043</a>		BT40 - JTA 2 - 1.77	#2	1.77
<a href="#">GH044</a>		BT40 - JTA 3 - 1.77	#3	1.77
<a href="#">GH045</a>		BT40 - JTA 4 - 1.77	#4	1.77
<a href="#">GH046</a>		BT40 - JTA 6 - 1.77	#6	1.77
<a href="#">GH047</a>		BT40 - JTA 33 - 1.77	#33	1.77
<a href="#">GI042</a>	50	BT50 - JTA 1 - 1.80	#1	1.80
<a href="#">GI043</a>		BT50 - JTA 2 - 1.77	#2	1.77
<a href="#">GI044</a>		BT50 - JTA 3 - 1.77	#3	1.77
<a href="#">GI045</a>		BT50 - JTA 4 - 1.77	#4	1.77
<a href="#">GI046</a>		BT50 - JTA 6 - 1.77	#6	1.77
<a href="#">GI047</a>		BT50 - JTA 33 - 1.77	#33	1.77

**YG-1 ROTARY TOOLING**

**STUB ARBOR**



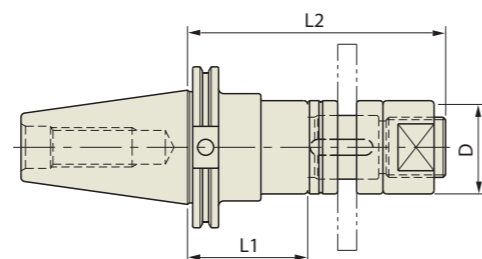
**STUB ARBOR**

- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403-BT/ISO7388-2
- ACCESSORY (NUT, KEY, SPACER)

# YIG STUB ARBOR

## CAT

### STUB ARBOR



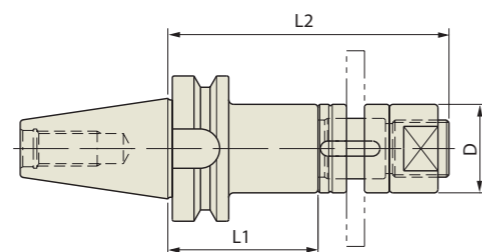
#### ASME B5.50-2009-CAT

##### STANDARD

EDP No.	TAPER No.	MODEL No.	CUTTER SIZE I.D	L1	D	L2
<a href="#">PK014</a>	40	CAT40 - STUB 1" - 4.00	1.000	4.00	1.56	6.25
<a href="#">PK017</a>		CAT40 - STUB 1 1/4 - 4.00	1.250	4.00	1.87	6.50
<a href="#">PK021</a>		CAT40 - STUB 1 1/2 - 4.00	1.500	4.00	2.12	6.75
<a href="#">PL014</a>	50	CAT50 - STUB 1" - 4.00	1.000	4.00	1.56	6.25
<a href="#">PL017</a>		CAT50 - STUB 1 1/4 - 4.00	1.250	4.00	1.87	6.50
<a href="#">PL021</a>		CAT50 - STUB 1 1/2 - 4.00	1.500	4.00	2.12	6.75

## BT

### STUB ARBOR



#### JIS B6339/MAS 403-BT

##### STANDARD

EDP No.	TAPER No.	MODEL No.	CUTTER SIZE I.D	L1	D	L2
<a href="#">PH014</a>	40	BT40 - STUB 1" - 3.00	1.000	3.00	1.56	5.25
<a href="#">PH017</a>		BT40 - STUB 1 1/4 - 3.00	1.250	3.00	1.87	5.50
<a href="#">PH021</a>		BT40 - STUB 1 1/2 - 3.00	1.500	3.00	2.12	5.75
<a href="#">PI014</a>	50	BT50 - STUB 1" - 4.00	1.000	4.00	1.56	6.25
<a href="#">PI017</a>		BT50 - STUB 1 1/4 - 4.00	1.250	4.00	1.87	6.50
<a href="#">PI021</a>		BT50 - STUB 1 1/2 - 4.00	1.500	4.00	2.12	6.75

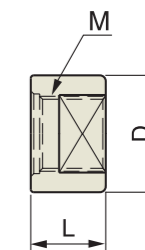
\* Nuts / Key / Spacer for Stub Arbors on page 1416.

# YIG STUB ARBOR

## PART

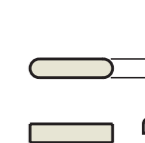
### NUT

EDP No.	TYPE (M)	L	D	SERIES
<a href="#">ZZ041</a>	UNF 1 - 12	1.00	1.56	STUB 1"
<a href="#">ZZ046</a>	UNF 1 1/4 - 12	1.25	1.87	STUB 1 1/4
<a href="#">ZZ052</a>	UNF 1 1/2 - 12	1.50	2.12	STUB 1 1/2

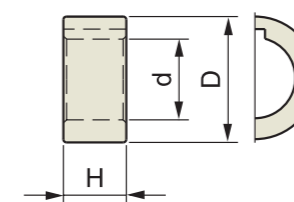


### KEY

EDP No.	SERIES	B
<a href="#">ZZ042</a>	STUB 1"	0.25
<a href="#">ZZ047</a>	STUB 1 1/4	0.312
<a href="#">ZZ054</a>	STUB 1 1/2	0.375



### SPACER



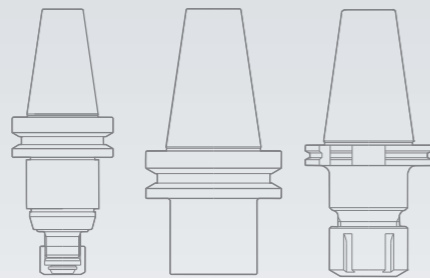
EDP No.	TYPE	H	D	d	SERIES
<a href="#">ZZ043</a>	1/4 - SPACER	0.25	1.56	1.00	STUB 1"
<a href="#">ZZ044</a>	3/8 - SPACER	0.375	1.56	1.00	STUB 1"
<a href="#">ZZ045</a>	3/4 - SPACER	0.75	1.56	1.00	STUB 1"

EDP No.	TYPE	H	D	d	SERIES
<a href="#">ZZ048</a>	1/4 - SPACER	0.25	1.87	1.25	STUB 1 1/4
<a href="#">ZZ049</a>	3/8 - SPACER	0.375	1.87	1.25	STUB 1 1/4
<a href="#">ZZ050</a>	3/4 - SPACER	0.75	1.87	1.25	STUB 1 1/4

EDP No.	TYPE	H	D	d	SERIES
<a href="#">ZZ037</a>	1/4 - SPACER	0.25	2.12	1.50	STUB 1 1/2
<a href="#">ZZ038</a>	3/8 - SPACER	0.375	2.12	1.50	STUB 1 1/2
<a href="#">ZZ039</a>	3/4 - SPACER	0.75	2.12	1.50	STUB 1 1/2



Global Cutting Tool Leader **YG-1**



# ROTARY TOOLING

**YG-1 ROTARY TOOLING**

# SLITTING SAW ARBOR

## SLITTING SAW ARBOR

CAT : ASME B5.50-2009

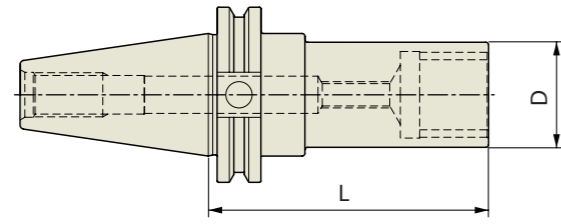
BT : JIS B6339/MAS 403-BT/ISO7388-2

ACCESSORY (CAP)

**YIG** SLITTING SAW ARBOR

**CAT**

**SLITTING SAW ARBOR**



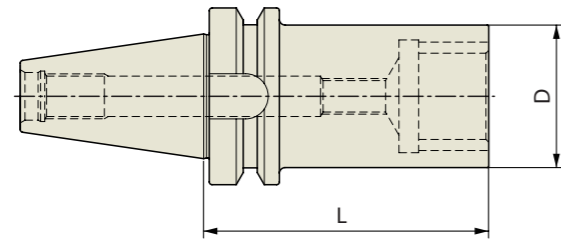
■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	COLLET SERIES	L	D
<a href="#">QK014</a>	40	CAT40 - SSA 1.0 - 4.00	1.000	4.00	1.50
<a href="#">QK017</a>		CAT40 - SSA 1 1/4 - 4.00	1.250	4.00	2.00
<a href="#">QL014</a>	50	CAT50 - SSA 1.0 - 4.00	1.000	4.00	1.50
<a href="#">QL017</a>		CAT50 - SSA 1 1/4 - 4.00	1.250	4.00	2.00

**BT**

**SLITTING SAW ARBOR**



■ STANDARD

Unit : inch

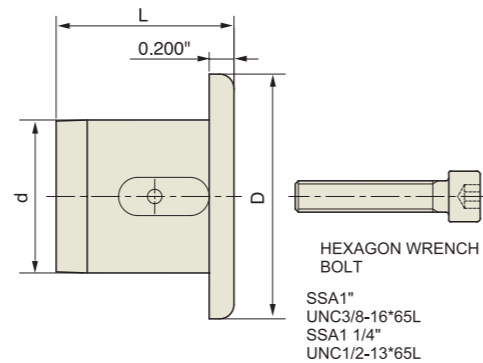
EDP No.	TAPER No.	MODEL No.	COLLET SERIES	L	D
<a href="#">QH014</a>	40	BT40 - SSA 1.0 - 4.00	1.000	4.00	1.50
<a href="#">QH017</a>		BT40 - SSA 1 1/4 - 4.00	1.250	4.00	2.00

**SSA**

**CAP**

EDP No.	TYPE	L	D	d
<a href="#">ZZ051</a>	SSA 1.0	1.02	1.50	1.00
<a href="#">ZZ053</a>	SSA 1 1/4	1.30	2.00	1.25

Unit : inch



**YG-1 ROTARY TOOLING**

**PULL STUD & TOOL CLAMP**



PULL STUD

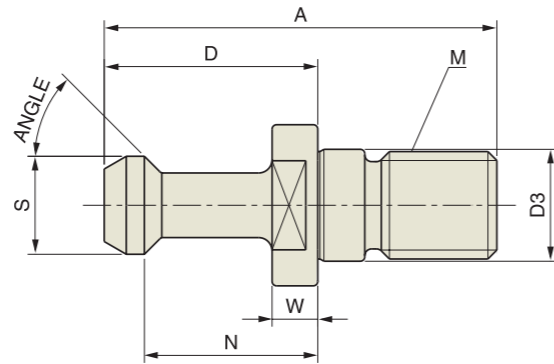
TOOL CLAMP

COOLANT TUBE





**PULL STUD**



Unit : inch

EDP NO.	MODEL No.	ANGLE	S	P	D3	A	N	D	W	M
<a href="#">SK661</a>	CAT - 40ANSI C	45°	.740	.490	.490	1.500	.440	.640	.120	5/8 - 11
<a href="#">SL661</a>	CAT - 50ANSI C	45°	1.140	.820	.820	2.300	.700	1.000	.200	1 - 8
<a href="#">SK561</a>	CAT - 40ANSI	45°	.740	.490	.490	1.500	.440	.640	.120	5/8 - 11
<a href="#">SL561</a>	CAT - 50ANSI	45°	1.140	.820	.820	2.300	.700	1.000	.200	1 - 8
<a href="#">SK761</a>	CAT - 40TYPE I	45°	.590	.394	.512	2.250	.990	1.266	.120	5/8 - 11
<a href="#">SK762</a>	CAT - 40TYPE II	60°	.590	.394	.512	2.250	.990	1.266	.120	5/8 - 11
<a href="#">SK763</a>	CAT - 40TYPE III	90°	.590	.394	.512	2.250	.990	1.266	.120	5/8 - 11
<a href="#">SK861</a>	CAT - 40TYPE I C	45°	.590	.394	.512	2.250	.990	1.266	.120	5/8 - 11
<a href="#">SK862</a>	CAT - 40TYPE II C	60°	.590	.394	.512	2.250	.990	1.266	.120	5/8 - 11
<a href="#">SK863</a>	CAT - 40TYPE III C	90°	.590	.394	.512	2.250	.990	1.266	.120	5/8 - 11
<a href="#">SL761</a>	CAT - 50TYPE I	45°	.906	.669	.827	3.346	1.377	1.772	.390	1 - 8
<a href="#">SL762</a>	CAT - 50TYPE II	60°	.906	.669	.827	3.346	1.377	1.772	.390	1 - 8
<a href="#">SL763</a>	CAT - 50TYPE III	90°	.906	.669	.827	3.346	1.377	1.772	.390	1 - 8
<a href="#">SL861</a>	CAT - 50TYPE I C	45°	.906	.669	.827	3.346	1.377	1.772	.390	1 - 8
<a href="#">SL862</a>	CAT - 50TYPE II C	60°	.906	.669	.827	3.346	1.377	1.772	.390	1 - 8
<a href="#">SL863</a>	CAT - 50TYPE III C	90°	.906	.669	.827	3.346	1.377	1.772	.390	1 - 8
<a href="#">SH061</a>	BT - 40PS 1	45°	.590	.394	.669	2.360	1.102	1.378	.230	M16
<a href="#">SI061</a>	BT - 50PS 5	45°	.905	.669	.984	3.346	1.377	1.772	.390	M24
<a href="#">SH062</a>	BT - 40PS 2	60°	.590	.394	.669	2.360	1.102	1.378	.230	M16
<a href="#">SI062</a>	BT - 50PS 6	60°	.905	.669	.984	3.346	1.377	1.772	.390	M24
<a href="#">SH063</a>	BT - 40PS 8	90°	.590	.394	.669	2.360	1.102	1.378	.230	M16
<a href="#">SI063</a>	BT - 50PS 0	90°	.905	.669	.984	3.346	1.377	1.772	.390	M24
<a href="#">SK161</a>	CAT - 40TYPE I	45°	.590	.394	.512	2.250	.990	1.266	.236	5/8 - 11
<a href="#">SK162</a>	CAT - 40TYPE II	60°	.590	.394	.512	2.250	.990	1.266	.236	5/8 - 11
<a href="#">SK163</a>	CAT - 40TYPE III	90°	.590	.394	.512	2.250	.990	1.266	.236	5/8 - 11
<a href="#">SK261</a>	CAT - 40TYPE I C	45°	.590	.394	.512	2.250	.990	1.266	.236	5/8 - 11
<a href="#">SK262</a>	CAT - 40TYPE II C	60°	.590	.394	.512	2.250	.990	1.266	.236	5/8 - 11
<a href="#">SK263</a>	CAT - 40TYPE III C	90°	.590	.394	.512	2.250	.990	1.266	.236	5/8 - 11

\* Suffix "C" in MODEL No. is through coolant type.  
 \* Improper selection of pull studs can cause serious damage and possible injury. Please make sure the machine accepts the pull stud you select.

**TOOL CLAMP**

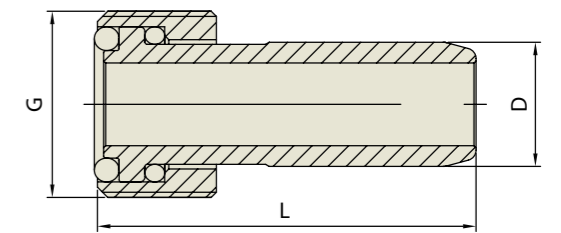
EDP No.	MODEL No.	SHANK FLANGE TYPE
<a href="#">RK099</a>	TCT - 40	CAT - 40
<a href="#">RH099</a>	TBT - 40	BT - 40
<a href="#">RL099</a>	TCT - 50	CAT - 50
<a href="#">RM099</a>	TBT - 50	BT - 50

\* Available in all tapers.

- Feature**
- Access both ends of your tool holders simultaneously
  - Minimizes tool holders handling
  - Speeds up your operations
  - Convenient



**COOLANT TUBE**

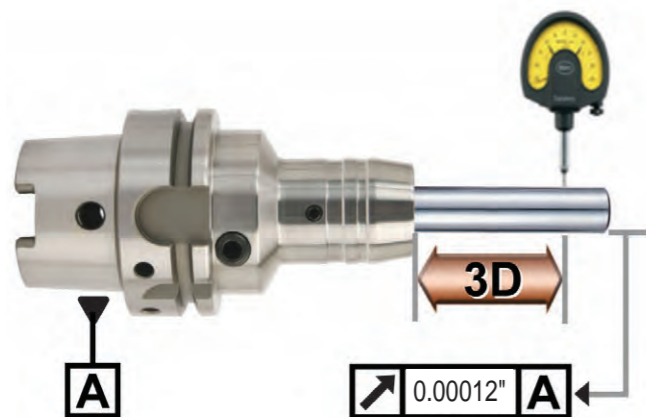


Unit : mm

EDP Code	TAPER No.	G	L	D
<a href="#">CT320</a>	32A	M10x1.0	26.0	6
<a href="#">CT400</a>	40A	M12x1.0	29.1	8
<a href="#">CT500</a>	50A	M16x1.0	32.9	10
<a href="#">CT630</a>	63A	M18x1.0	36.6	12
<a href="#">CT100</a>	100A	M24x1.5	43.9	16

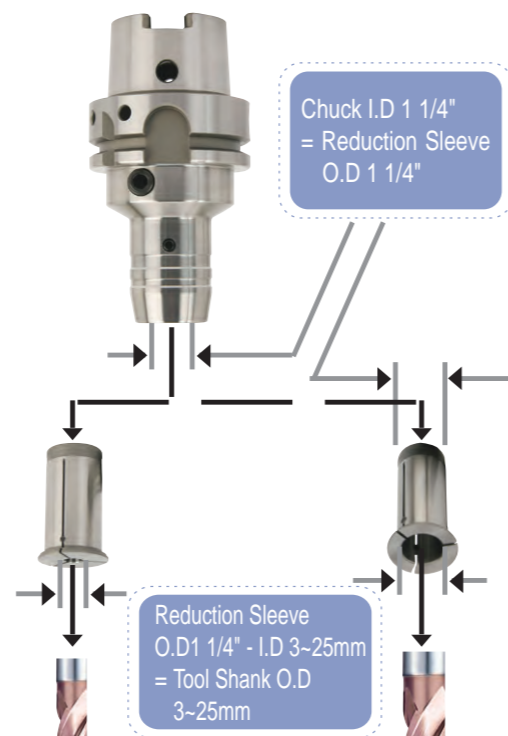
**TECHNICAL INFORMATION (HYDRAULIC CHUCK)**

**High precision T.I.R :  $\leq 0.00012''$  (Without Reduction Sleeve)**

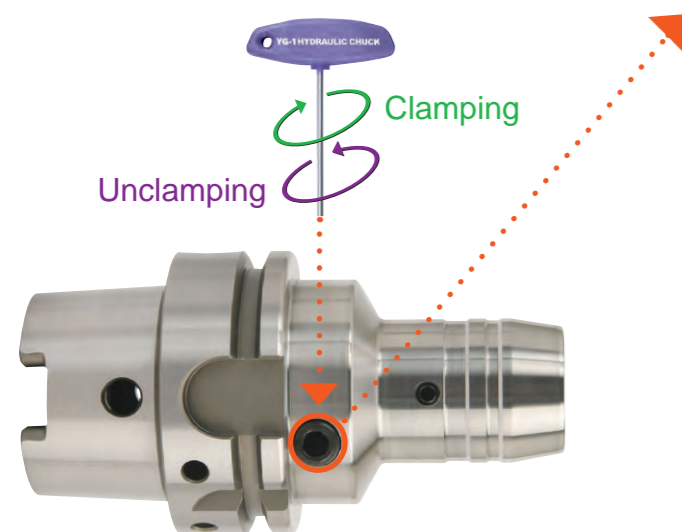


- Less than 0.00012" T.I.R  
⇒ Suitable for high-speed precision machining

**Flexible use of cutting tools by using reduction sleeves**

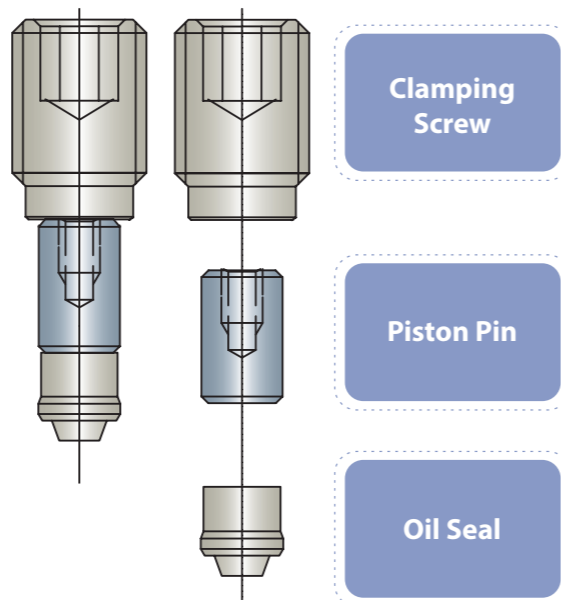


**Easy Tool Change**



- Easy clamping and unclamping by use of T wrench  
⇒ Reducing tool change time

**CLAMPING SCREW**

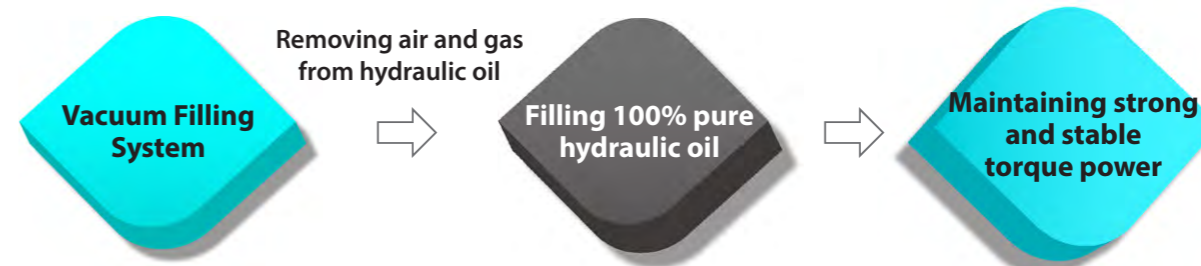


**TECHNICAL INFORMATION (HYDRAULIC CHUCK)**

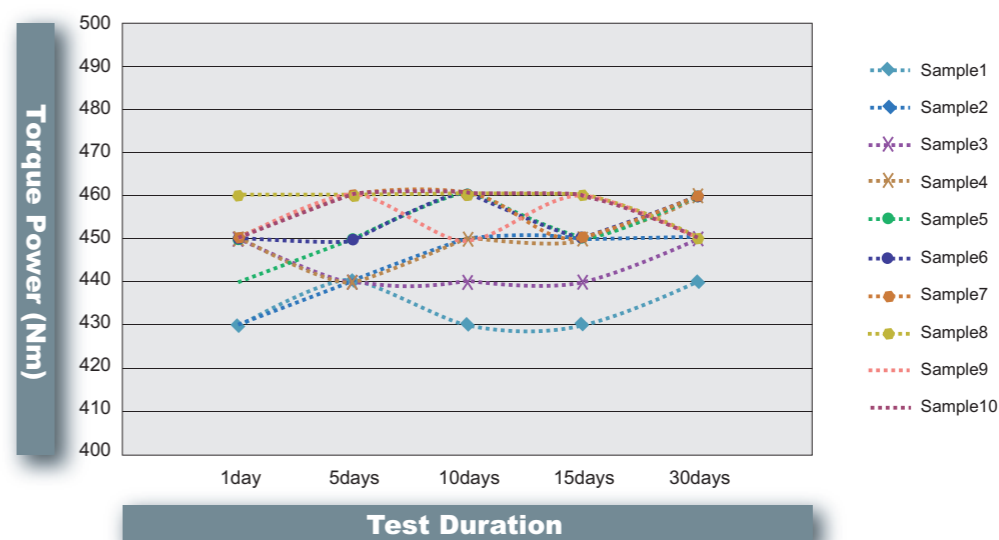
**Strong Torque Power**

Hydraulic Chuck I.D(mm)	Tool Shank O.D(mm)	Applicable RPM	Minimum Clamping Depth (mm)		Min. Torque Power (Nm)	
			Slim	Power E Hydro	Slim	Power E Hydro
6	6	40,000	27		16	
8	8	40,000	27		23	
10	10	40,000	32		45	
12	12	40,000	37	41	90	110
14	14	40,000	37		110	
16	16	40,000	42		185	
18	18	40,000	42		240	
20	20	40,000	42	48	330	520
25	25	25,000	48		400	
32	32	25,000	55	57	650	900

- Tool Holder I.D Tolerance : H6
- Operating Temperature : 20~25°C
- Maximum pressure of coolant oil : 80bar



**Test of Torque Power and Hydraulic Oil Leakage**

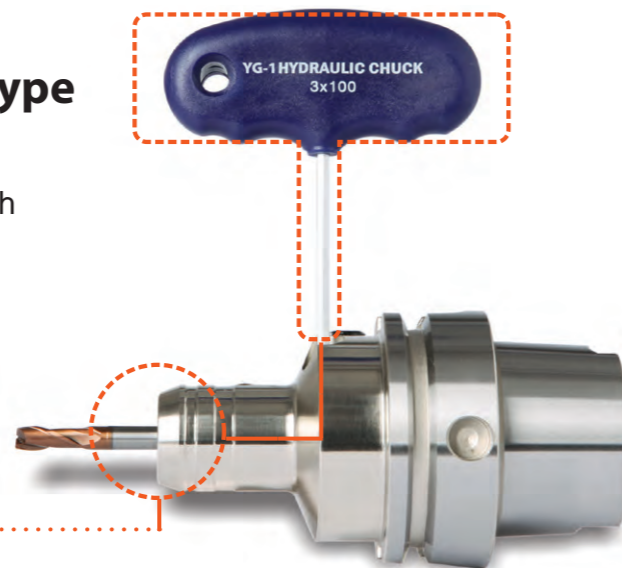


- Test Model : BT40AD/B-HC20-90
- No oil leakage for long period ⇒ Maintaining stable torque power

**TECHNICAL INFORMATION (HYDRAULIC CHUCK)**

**Radial Tool Length Pre-setting Type**

- Easy to adjust pre-setting length of cutting tool (Saving time to pre-set cutting tool to one fifth compared with conventional Hydraulic Chuck)
- Precise adjustment of cutting tool length
- Designed to separate tool length adjustment screw from clamping screw

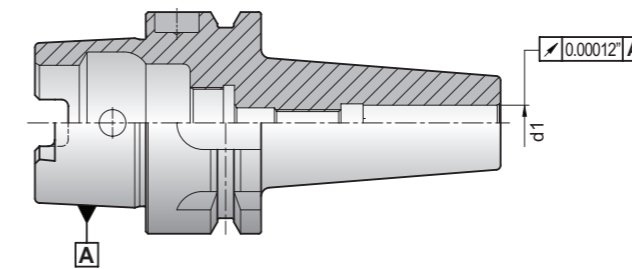


Adjustable range of cutting tool length : 0~0.394"

APPLICATION		
Milling	High Speed Cutting	Fine Drilling
Reaming	Tapping & Thread Milling	Chamfering

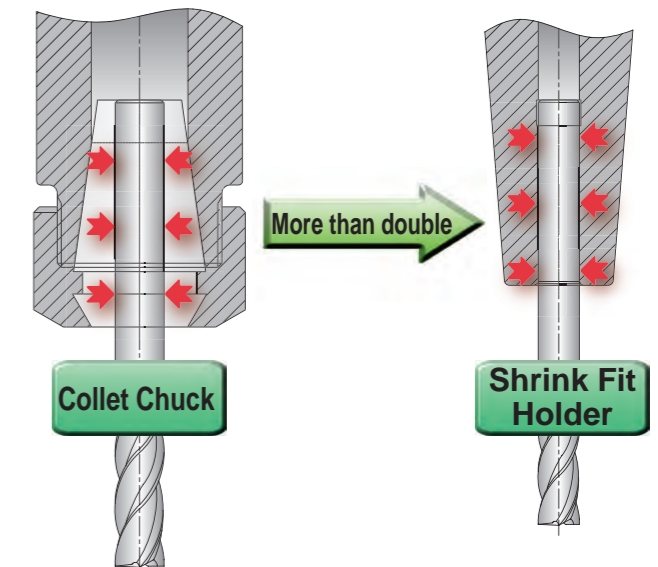
**TECHNICAL INFORMATION (SHRINK FIT HOLDER)**

- High Precision I.D  
Run-out :  $\leq 0.00012''$



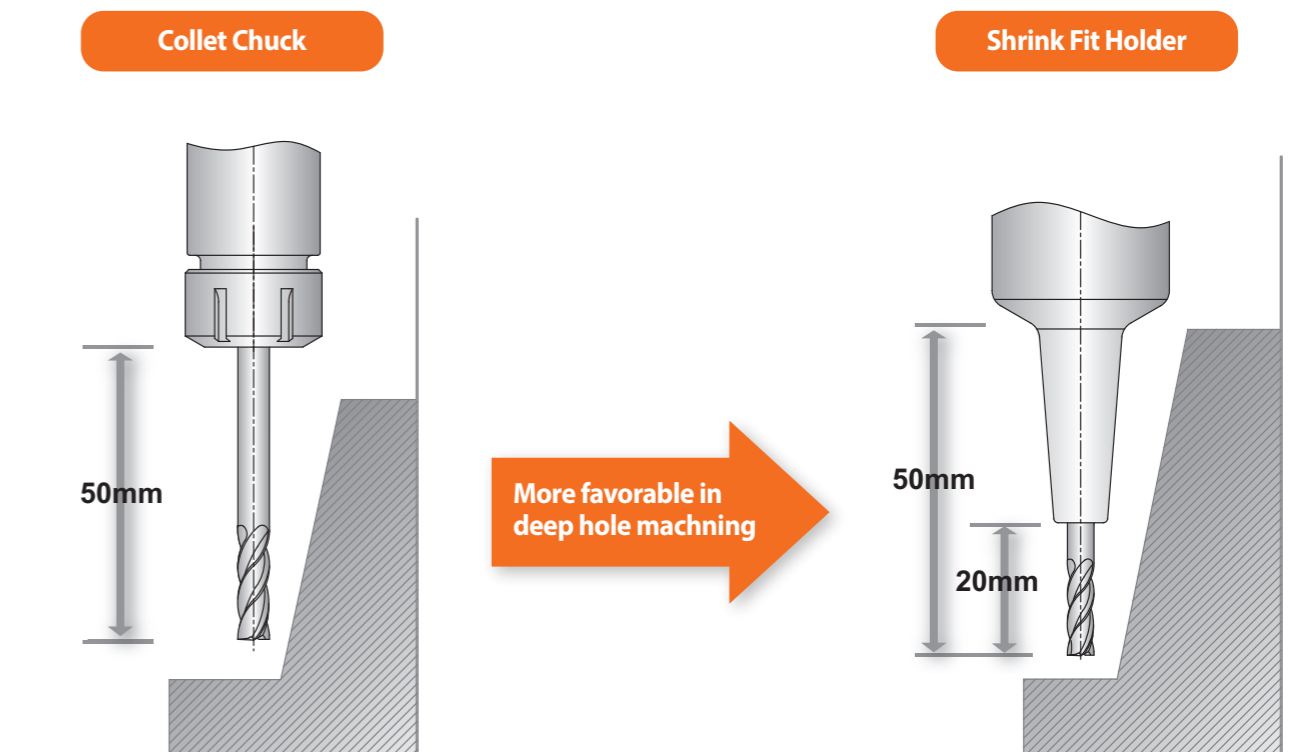
- Less than 0.00012" of Tool Holder accuracy at I.D

- Strong and Consistent Torque Power



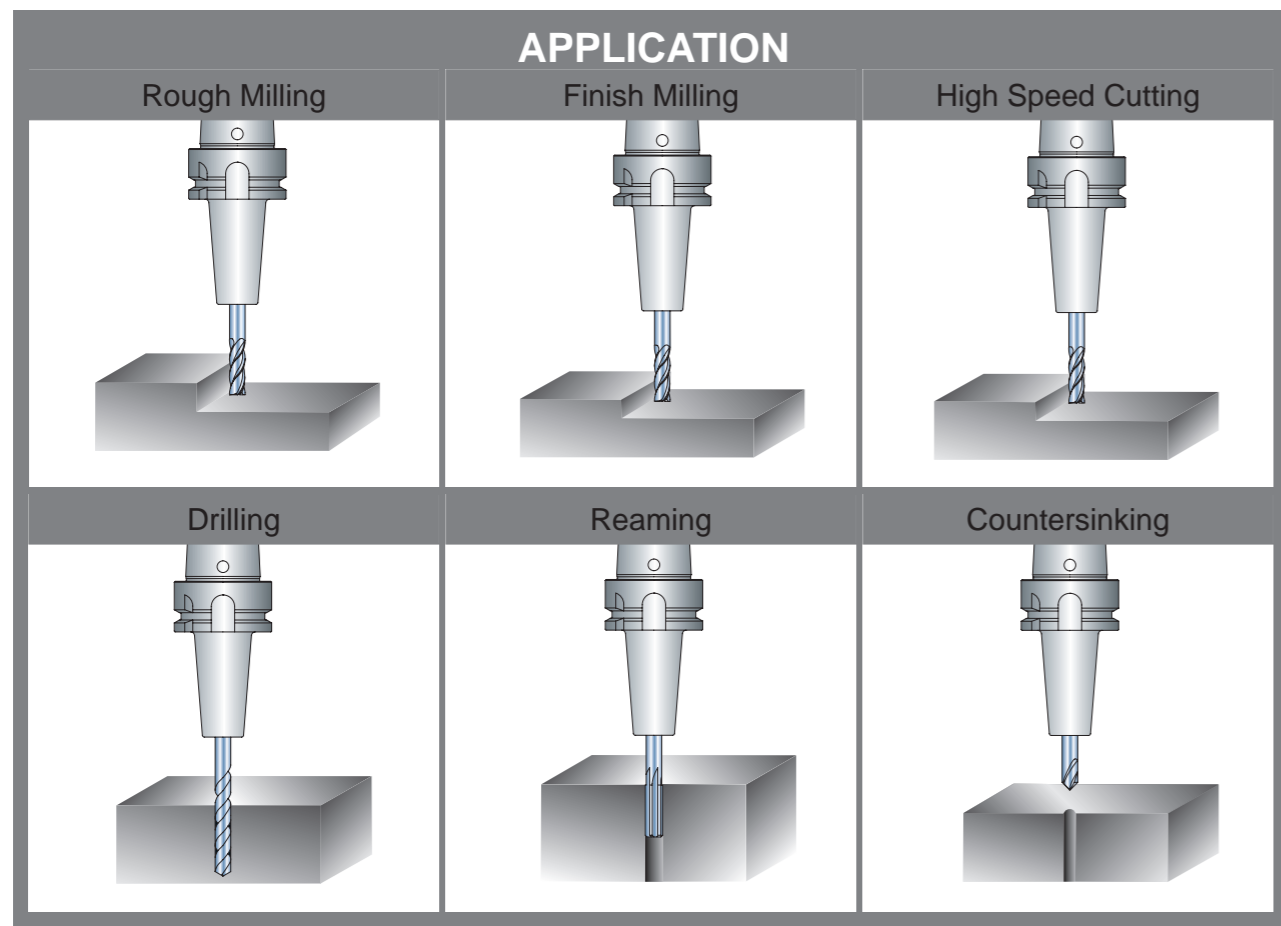
- Achieving strong torque power by integration of chuck and tool

- Deep hole Machining



- Suitable for High-Speed precision deep hole machining

**TECHNICAL INFORMATION (SHRINK FIT HOLDER)**

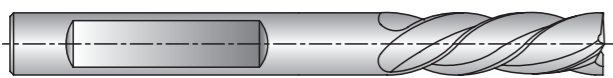


● **Shank Type of Cutting Tool**

**Straight shank**



**One weldon flat shaft type**

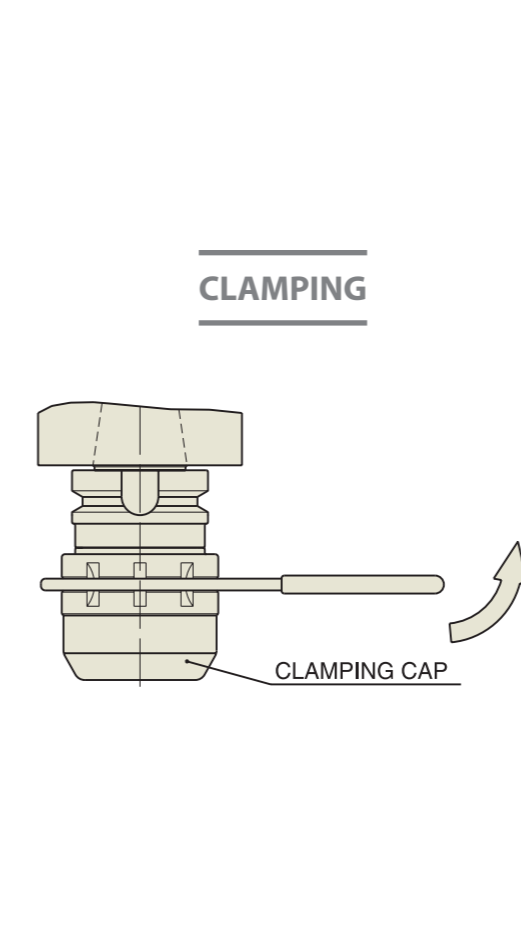


• One Weldon flat shaft type tool is usable, but there is a possibility that the I.D of shrink fit holder may be deformed.

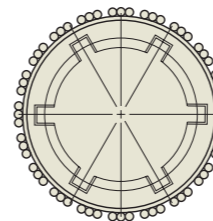
● **Material of Cutting Tool**



**TECHNICAL INFORMATION (POWER MILLING CHUCK)**



**STRUCTURE**



● **SPECIAL FEATURES**

**TOOL CLAMPING**

For complete tool clamping, clamping cap should be fully turned up to the point where the bottom of clamping cap touches the flange of tool holder.

**HOLDING POWER**

Thicker body structure of clamping cap assures strong holding power maximum durability and smooth movement of needle bearings 300 kgf holding force.

**ACCURACY**

Slots on the inside of bore help prevent excessive oil and grime from building up between shank of end mill and inside of bore which increases accuracy and holding power.

**DURABILITY**

Special engineered steels and alloys are used in the bearing and stop seal to increase life and reduce maintenance.



**TECHNICAL INFORMATION (T.I.R and TOLEARANCE)**

● **T.I.R (Total Indicated Run-out)**

**HYDRAULIC CHUCK**

Concentric to 0.00012" T.I.R (at 3D)

**SHRINK FIT HOLDER**

Concentric to 0.00012" T.I.R (at I.D)

**ER COLLET CHUCK**

Concentric to 0.0002" T.I.R (at I.D)

**END MILL HOLDER**

Concentric to 0.0002" T.I.R (at I.D)

**SLITTING SAW ARBOR**

Face perpendicular to taper within 0.0002" T.I.R (at I.D)

**STUB ARBOR**

Face perpendicular to taper within 0.0002" T.I.R (at I.D)

**SHELL MILL ARBOR**

Face perpendicular to taper within 0.0001" T.I.R  
Out diameter to taper within 0.0002" T.I.R

**MORSE & JACOBS TAPER ARBOR**

Concentric to 0.0003" T.I.R

\* To put tool precisely on spindle center line for getting correct T.I.R.

● **AT3 or better accuracy on all shank tapers**

TAPER	AT3
#30	0.000078"
#40	0.00012"
#50	0.00016"

● **Accurate and rigid tool holder mounting to spindle**

● **The bore diameter of all tool holders is controlled by H5 grade tolerance limit.**



Hydraulic  
Chuck

Shrink Fit  
Holder

End Mill  
Holder & Side  
Lock Arbor

ER Collet  
Chuck

SK Slim  
Chuck

TG Collet  
Chuck

Power Milling  
Chuck

Morse Taper  
Adapter

Tapping  
Chuck

One Step  
Tapping  
Chuck

Shell Mill  
Arbor

NC Drill  
Chuck

Jacobs Taper  
Arbor

Stub  
Arbor

Slitting Saw  
Arbor

Pull Stud  
& Tool Clamp