

2015 - 2016

ROTARY TOOLING



YG YG-1 CO., LTD.

Hydraulic
Chuck

Shrink Fit
Holder

End Mill Holder &
Side Lock Arbor

ER Collet
Chuck

SK Slim
Chuck

TG Collet
Chuck

Milling
Chuck

Morse Taper
Adapter

Tapping
Chuck

Shell Mill
Arbor

NC Drill
Chuck

Jacobs Taper
Arbor

Stub Arbor

Slitting Saw
Arbor

Pull Stud &
Tool Clamp

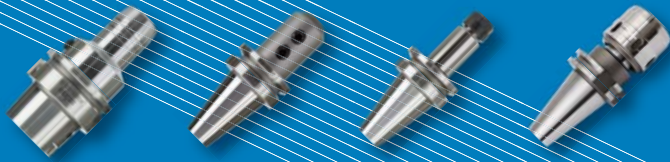


**THE WORLD LEADER IN
THE TOOL HOLDER INDUSTRY**



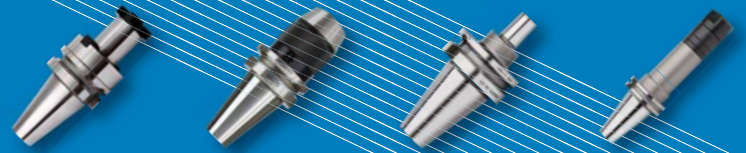
YG-1 CO., LTD.

HYDRAULIC CHUCK ■ SHRINK FIT HOLDER ■ END MILL HOLDER & SIDE LOCK ARBOR ■ ER COLLET CHUCK ■ SK SLIM CHUCK
TG COLLET CHUCK ■ MILLING CHUCK ■ MORSE TAPER ADAPTER ■ TAPPING CHUCK ■ SHELL MILL ARBOR ■ NC DRILL CHUCK
JACOBS TAPER ARBOR ■ STUB ARBOR ■ SLITTING SAW ARBOR ■ PULL STUD & TOOL CLAMP



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ROTARY TOOLING

HYDRAULIC CHUCK



HYDRAULIC CHUCK

■ **CAT : ASME B5.50-2009**

SLIM / SHORT & RIGID / RADIAL TOOL LENGTH PRE-SETTING TYPE / FOR MOULD

■ **BT : JIS B6339/MAS 403**

SLIM / SHORT & RIGID / RADIAL TOOL LENGTH PRE-SETTING TYPE / FOR MOULD

DUAL CONTACT HYDRAULIC CHUCK

■ **CCT : CAT DUAL CONTACT**

SLIM / FOR MOULD

■ **CBT : BT DUAL CONTACT**

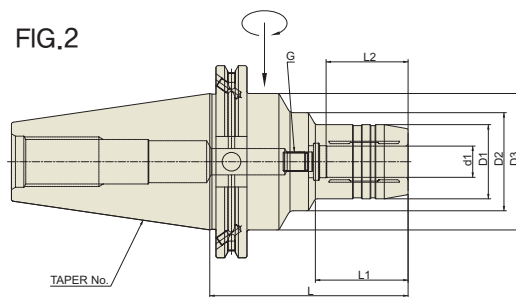
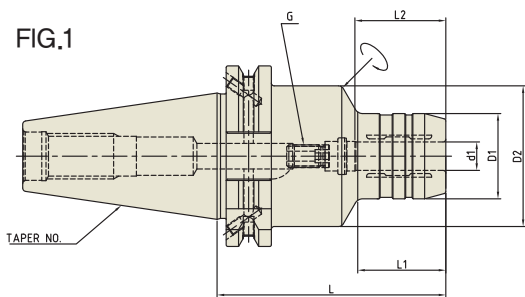
SLIM / FOR MOULD

■ **HSK : DIN 69893/ISO 12164-1**

SLIM / SHORT & RIGID / RADIAL TOOL LENGTH PRE-SETTING TYPE / FOR MOULD

HYDRAULIC CHUCK COLLET

REDUCTION SLEEVE : OPEN TYPE / CLOSED TYPE



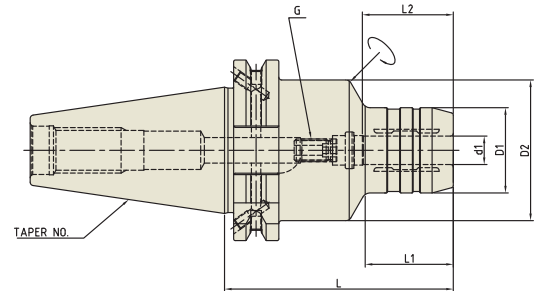
ASME B5.50 - CAT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B
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■ ASME B5.50-2009-CAT

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L1	L2	G	Remarks
WK020	40	CAT40 AD/B - HC1/4-4.00	0.250	1.024	1.750	-	4.000	1.280	1.063	M5x0.8mm	Fig.1
WK022		CAT40 AD/B - HC3/8-4.00	0.375	1.181	1.750	-	4.000	1.634	1.260	M6x1.0mm	
WK024		CAT40 AD/B - HC1/2-4.00	0.500	1.260	1.750	-	4.000	1.634	1.457	M10x1.0mm	
WK026		CAT40 AD/B - HC5/8-4.00	0.625	1.496	1.750	-	4.000	1.949	1.654	M10x1.0mm	
WK028		CAT40 AD/B - HC3/4-4.00	0.750	1.654	1.750	-	4.000	1.949	1.654	M10x1.0mm	
WK030		CAT40 AD/B - HC1-4.00	1.000	2.165	2.480	-	4.000	2.618	1.890	M16x1.0mm	
WK032		CAT40 AD/B - HC1 1/4-4.00	1.250	2.480	3.150	-	4.000	1.378	2.165	M16x1.0mm	
WL020	50	CAT50 AD/B - HC1/4-4.00	0.250	1.024	1.978	2.752	4.000	1.280	1.063	M5x0.8mm	Fig.2
WL022		CAT50 AD/B - HC3/8-4.00	0.375	1.181	1.978	2.752	4.000	1.417	1.260	M6x1.0mm	
WL024		CAT50 AD/B - HC1/2-4.00	0.500	1.260	1.978	2.752	4.000	1.634	1.457	M10x1.0mm	
WL026		CAT50 AD/B - HC5/8-4.00	0.625	1.496	1.978	2.752	4.000	1.870	1.654	M10x1.0mm	
WL028		CAT50 AD/B - HC3/4-4.00	0.750	1.654	1.978	2.752	4.000	1.949	1.654	M10x1.0mm	
WL030		CAT50 AD/B - HC1-4.00	1.000	2.244	2.480	2.752	4.000	1.949	1.890	M16x1.0mm	
WL032		CAT50 AD/B - HC1 1/4-4.00	1.250	2.520	-	2.752	4.000	2.559	2.165	M16x1.0mm	

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.



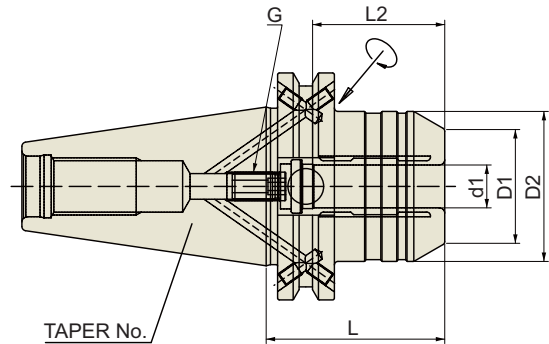
ASME B5.50 - CAT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤3Um	Coolant System AD/B
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■ ASME B5.50-2009-CAT

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WK060	40	CAT40 AD/B – HC6–80.5	6	26	49.5	80.5	29.5	27	M5x0.8mm
WK062		CAT40 AD/B – HC6–110	6	26	49.5	110	29.5	27	M5x0.8mm
WK064		CAT40 AD/B – HC8–80.5	8	28	49.5	80.5	30	27	M6x1.0mm
WK066		CAT40 AD/B – HC8–110	8	28	49.5	110	30	27	M6x1.0mm
WK068		CAT40 AD/B – HC10–80.5	10	30	49.5	80.5	31	32	M8x1.0mm
WK070		CAT40 AD/B – HC10–110	10	30	49.5	110	31	32	M8x1.0mm
WK072		CAT40 AD/B – HC12–80.5	12	32	49.5	80.5	31.5	37	M10x1.0mm
WK074		CAT40 AD/B – HC12–110	12	32	49.5	110	31.5	37	M10x1.0mm
WK076		CAT40 AD/B – HC16–80.5	16	38	49.5	80.5	33	42	M12x1.0mm
WK078		CAT40 AD/B – HC16–110	16	38	49.5	110	33	42	M12x1.0mm
WK080		CAT40 AD/B – HC20–80.5	20	42	49.5	80.5	34	42	M16x1.0mm
WK082		CAT40 AD/B – HC20–110	20	42	49.5	110	34	42	M16x1.0mm
WK084		CAT40 AD/B – HC25–80.5	25	55	66	80.5	22	48	M16x1.0mm
WK086		CAT40 AD/B – HC32–80.5	32	63	80	80.5	25.5	55	M16x1.0mm
WL060	50	CAT50 AD/B – HC6–80.5	6	26	49.5	80.5	30	27	M5x0.8mm
WL062		CAT50 AD/B – HC8–80.5	8	28	49.5	80.5	30	27	M6x1.0mm
WL064		CAT50 AD/B – HC10–80.5	10	30	49.5	80.5	32	32	M8x1.0mm
WL066		CAT50 AD/B – HC12–80.5	12	32	49.5	80.5	35	37	M10x1.0mm
WL068		CAT50 AD/B – HC16–80.5	16	38	49.5	80.5	40	42	M12x1.0mm
WL070		CAT50 AD/B – HC20–80.5	20	42	49.5	80.5	40	42	M16x1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.



ASME B5.50 - CAT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B
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■ ASME B5.50-2009-CAT

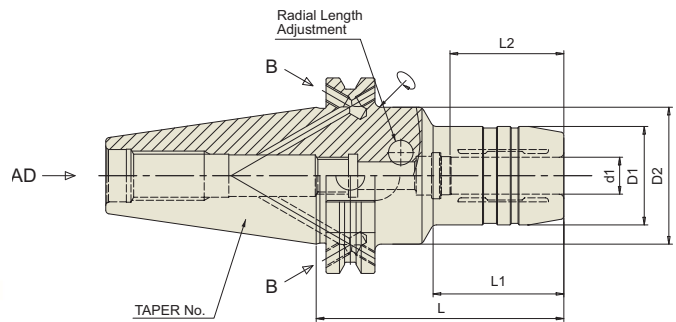
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
WK020SNR	40	CAT40 AD/B - HC 1/2S-2.52	0.500	1.260	1.654	2.520	1.457	M8x1.0mm
WK021SNR		CAT40 AD/B - HC 5/8S-2.52	0.625	1.362	1.752	2.520	1.654	M10x1.0mm
WK022SNR		CAT40 AD/B - HC 3/4S-2.52	0.750	1.469	1.949	2.520	1.654	M10x1.0mm
WK024SNR		CAT40 AD/B - HC 1S-3.50	1.000	2.244	2.598	3.500	1.890	M16x1.0mm
WL020SNR	50	CAT50 AD/B - HC 1/2S-3.19	0.500	1.879	2.752	3.189	1.457	M8x1.0mm
WL022SNR		CAT50 AD/B - HC 5/8S-3.19	0.625	1.819	2.752	3.189	1.654	M8x1.0mm
WL024SNR		CAT50 AD/B - HC 3/4S-3.19	0.75	2.185	2.752	3.189	1.654	M10x1.0mm
WL026SNR		CAT50 AD/B - HC 1.00S-3.19	1.000	2.185	2.752	3.189	1.890	M16x1.0mm
WL028SNR		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
WK100SNR	40	CAT40 AD/B - HC12S-50	12	32	42	50	37	M8x1.0mm
WK102SNR		CAT40 AD/B - HC20S-64.5	20	37	49.5	64.5	42	M16x1.0mm
WL100SNR	50	CAT50 AD/B - HC12S-50	12	32	42	50	37	M8x1.0mm
WL102SNR		CAT50 AD/B - HC20S-64.5	20	37	49.5	64.5	42	M16x1.0mm
WL104SNR		CAT50 AD/B - HC32S-81	32	55	72	81	55	M16x1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.



ASME B5.50 - CAT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B
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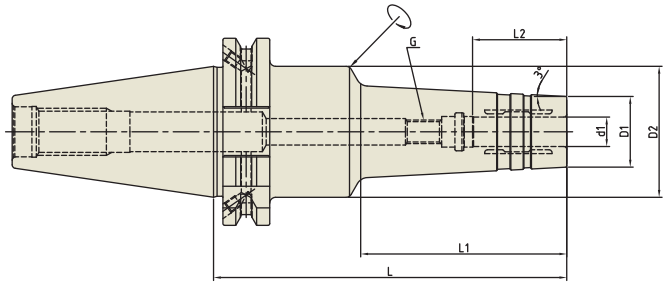
■ ASME B5.50-2009-CAT

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2
WK100HCR	40	CAT40 AD/B - HCR12-80.5	12	32	49.5	80.5	31.5	37
WK102HCR		CAT40 AD/B - HCR20-80.5	20	42	49.5	80.5	34	42
WK104HCR		CAT40 AD/B - HCR32-110	32	64	80	110	50	55
WL100HCR	50	CAT50 AD/B - HCR12-80.5	12	32	49.5	80.5	31.5	37
WL102HCR		CAT50 AD/B - HCR20-80.5	20	42	49.5	80.5	34	42
WL104HCR		CAT50 AD/B - HCR32-100	32	60	60	100	-	55

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.

HYDRAULIC CHUCK (For MOULD)



ASME B5.50 -CAT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B
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■ ASME B5.50-2009-CAT

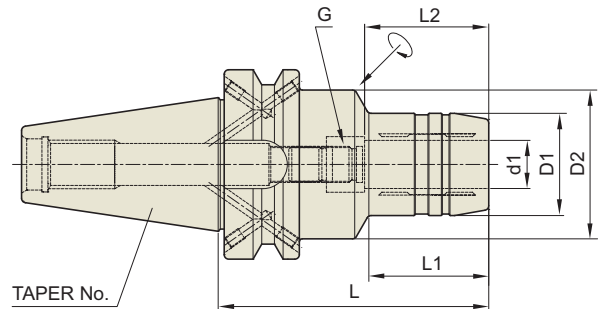
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WK020HMC	40	CAT40 AD/B - HMC 1/4-4.72	0.250	0.787	1.949	4.724	2.756	1.063	M5x0.8mm
WK022HMC		CAT40 AD/B - HMC 1/4-5.91	0.250	0.787	1.949	5.906	3.937	1.063	M5x0.8mm
WK024HMC		CAT40 AD/B - HMC 5/16-4.72	0.313	0.866	1.949	4.724	2.756	1.063	M6x1.0mm
WK026HMC		CAT40 AD/B - HMC 5/16-5.91	0.313	0.866	1.949	5.906	3.937	1.063	M6x1.0mm
WK028HMC		CAT40 AD/B - HMC 3/8-4.72	0.375	0.945	1.949	4.724	2.756	1.260	M8x1.0mm
WK030HMC		CAT40 AD/B - HMC 3/8-5.91	0.375	0.945	1.949	5.906	3.937	1.260	M8x1.0mm
WK032HMC		CAT40 AD/B - HMC 1/2-4.72	0.500	1.024	1.949	4.724	2.756	1.457	M10x1.0mm
WK034HMC		CAT40 AD/B - HMC 1/2-5.91	0.500	1.024	1.949	5.906	3.937	1.457	M10x1.0mm
WK036HMC		CAT40 AD/B - HMC 5/8-4.72	0.625	1.260	1.949	4.724	2.756	1.654	M12x1.0mm
WK038HMC		CAT40 AD/B - HMC 5/8-5.91	0.625	1.260	1.949	5.906	3.937	1.654	M12x1.0mm
WK040HMC		CAT40 AD/B - HMC 3/4-4.72	0.750	1.339	1.949	4.724	2.756	1.654	M16x1.0mm
WK042HMC		CAT40 AD/B - HMC 3/4-5.91	0.750	1.339	1.949	5.906	3.937	1.654	M16x1.0mm
WL020HMC	50	CAT50 AD/B - HMC 1/4-5.91	0.250	0.787	1.752	5.906	3.937	1.063	M5x0.8mm
WL022HMC		CAT50 AD/B - HMC 5/16-5.91	0.313	0.866	1.752	5.906	3.937	1.063	M6x1.0mm
WL024HMC		CAT50 AD/B - HMC 3/8-5.91	0.375	0.945	1.752	5.906	3.937	1.260	M8x1.0mm
WL026HMC		CAT50 AD/B - HMC 1/2-5.91	0.500	1.024	1.752	5.906	3.937	1.457	M10x1.0mm
WL028HMC		CAT50 AD/B - HMC 5/8-5.91	0.625	1.260	1.752	5.906	3.937	1.654	M12x1.0mm
WL030HMC		CAT50 AD/B - HMC 3/4-5.91	0.750	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
WK100HMC	40	CAT40 AD/B - HMC 6-120	6	20	49.5	120	70	27	M5X0.8mm
WK102HMC		CAT40 AD/B - HMC 6-150	6	20	49.5	150	100	27	M5X0.8mm
WK104HMC		CAT40 AD/B - HMC 8-120	8	22	49.5	120	70	27	M6X1.0mm
WK106HMC		CAT40 AD/B - HMC 8-150	8	22	49.5	150	100	27	M6X1.0mm
WK108HMC		CAT40 AD/B - HMC 10-120	10	24	49.5	120	70	32	M8X1.0mm
WK110HMC		CAT40 AD/B - HMC 10-150	10	24	49.5	150	100	32	M8X1.0mm
WK112HMC		CAT40 AD/B - HMC 12-120	12	25	49.5	120	70	37	M10X1.0mm
WK114HMC		CAT40 AD/B - HMC 12-150	12	25	49.5	150	100	37	M10X1.0mm
WK116HMC		CAT40 AD/B - HMC 16-120	16	32	49.5	120	70	42	M12X1.0mm
WK118HMC		CAT40 AD/B - HMC 16-150	16	32	49.5	150	100	42	M12X1.0mm
WK120HMC		CAT40 AD/B - HMC 20-120	20	36	49.5	120	70	42	M16X1.0mm
WK122HMC		CAT40 AD/B - HMC 20-150	20	36	49.5	150	100	42	M16X1.0mm
WL100HMC	50	CAT50 AD/B - HMC 6-150	6	20	44.5	150	100	27	M5X0.8mm
WL102HMC		CAT50 AD/B - HMC 8-150	8	22	44.5	150	100	27	M6X1.0mm
WL104HMC		CAT50 AD/B - HMC 10-150	10	24	44.5	150	100	32	M8X1.0mm
WL106HMC		CAT50 AD/B - HMC 12-150	12	25	44.5	150	100	37	M10X1.0mm
WL108HMC		CAT50 AD/B - HMC 16-150	16	32	44.5	150	100	42	M12X1.0mm
WL110HMC		CAT50 AD/B - HMC 20-150	20	36	44.5	150	100	42	M16X1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.



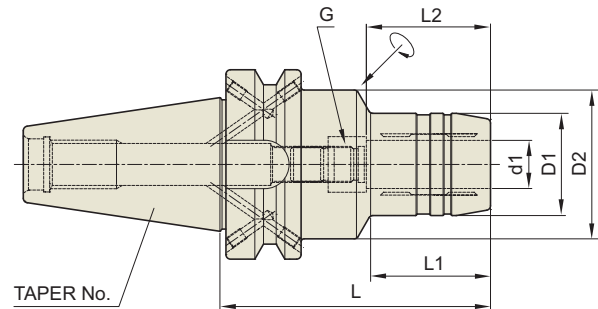
JIS B6339 - BT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B
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■ JIS B6339/MAS 403-BT

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WG020	30	BT30 AD/B - HC 1/4-2.75	0.250	1.024	1.752	2.750	1.161	1.063	M5x0.8mm
WG022		BT30 AD/B - HC 5/16-2.75	0.313	1.102	1.752	2.750	1.181	1.063	M6x1.0mm
WG024		BT30 AD/B - HC 3/8-2.95	0.375	1.181	1.752	2.953	1.220	1.260	M8x1.0mm
WG026		BT30 AD/B - HC 1/2-3.35	0.500	1.260	1.772	3.346	1.575	1.457	M10x1.0mm
WG028		BT30 AD/B - HC 5/8-3.54	0.625	1.496	1.772	3.543	1.811	1.654	M10x1.0mm
WG030		BT30 AD/B - HC 3/4-3.54	0.750	1.654	1.772	3.543	1.890	1.654	M6x1.0mm
WH020		40	BT40 AD/B - HC 1/4-3.54	0.250	1.024	1.752	3.543	1.181	1.063
WH022	BT40 AD/B - HC 5/16-3.54		0.313	1.102	1.752	3.543	1.280	1.063	M6x1.0mm
WH024	BT40 AD/B - HC 3/8-3.54		0.375	1.181	1.752	3.543	1.260	1.260	M8x1.0mm
WH026	BT40 AD/B - HC 1/2-3.54		0.500	1.260	1.752	3.543	1.378	1.457	M10x1.0mm
WH028	BT40 AD/B - HC 5/8-3.54		0.625	1.496	1.870	3.543	1.575	1.654	M12x1.0mm
WH030	BT40 AD/B - HC 3/4-3.54		0.750	1.654	1.870	3.543	1.575	1.654	M16x1.0mm
WH032	BT40 AD/B - HC 1-3.94		1.000	1.969	2.362	3.937	1.772	1.890	M16x1.0mm
WH034	BT40 AD/B - HC 1 1/4-4.13		1.250	2.362	-	4.134	-	2.165	M16x1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.



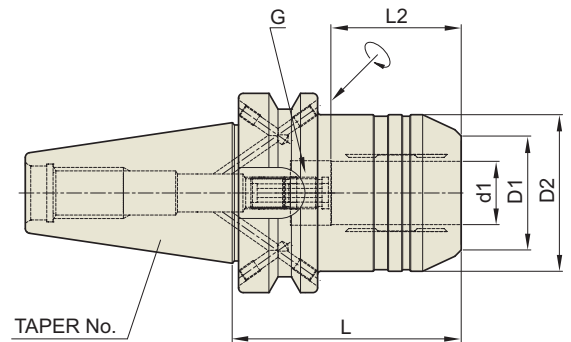
JIS B6339 - BT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B
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■ JIS B6339/MAS 403-BT

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WG100	30	BT30 AD/B - HC6-70	6	26	44.5	70	29.5	27	M5x0.8mm
WG102		BT30 AD/B - HC8-70	8	28	44.5	70	30	27	M6x1.0mm
WG104		BT30 AD/B - HC10-75	10	30	44.5	75	31	32	M8x1.0mm
WG106		BT30 AD/B - HC12-85	12	32	45	85	45	37	M10x1.0mm
WG108		BT30 AD/B - HC14-85	14	34	45	85	45	37	M10x1.0mm
WG110		BT30 AD/B - HC16-90	16	38	45	90	50	42	M10x1.0mm
WG112		BT30 AD/B - HC18-90	18	40	45	90	50	42	M10x1.0mm
WG114		BT30 AD/B - HC20-90	20	42	45	90	50	42	M6x1.0mm
WH100	40	BT40 AD/B - HC6-90	6	26	44.5	90	43	27	M5x0.8mm
WH102		BT40 AD/B - HC8-90	8	28	44.5	90	44.5	27	M6x1.0mm
WH104		BT40 AD/B - HC10-90	10	30	44.5	90	44.5	32	M8x1.0mm
WH106		BT40 AD/B - HC12-90	12	32	44.5	90	44.5	37	M10x1.0mm
WH108		BT40 AD/B - HC14-90	14	34	44.5	90	44.5	37	M10x1.0mm
WH110		BT40 AD/B - HC16-90	16	38	44.5	90	47.5	42	M12x1.0mm
WH112		BT40 AD/B - HC18-90	18	40	44.5	90	47.5	42	M12x1.0mm
WH114		BT40 AD/B - HC20-90	20	42	44.5	90	47.5	42	M16x1.0mm
WH116		BT40 AD/B - HC25-100	25	50	60	100	47.5	48	M16x1.0mm
WH118		BT40 AD/B - HC32-105	32	60	-	105	-	55	M16x1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.



JIS B6339 - BT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B
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■ JIS B6339/MAS 403-BT

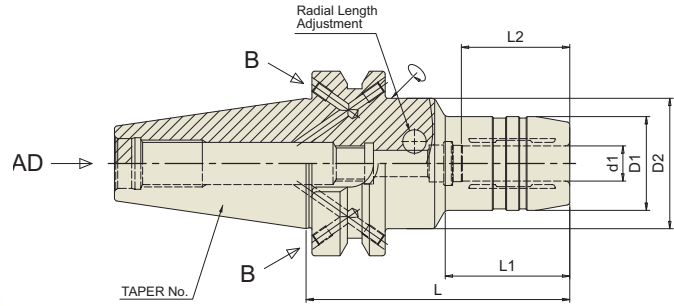
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
WG100SNR	30	BT30 AD/B - HC20S-85	20	41	44	85	42	M6x1.0mm
WH100SNR	40	BT40 AD/B - HC12S-58	12	32	42	58	37	M8x1.0mm
WH102SNR		BT40 AD/B - HC20S-72.5	20	38	49,25	72.5	42	M8x1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.

HYDRAULIC CHUCK

(RADIAL TOOL LENGTH PRE-SETTING TYPE)



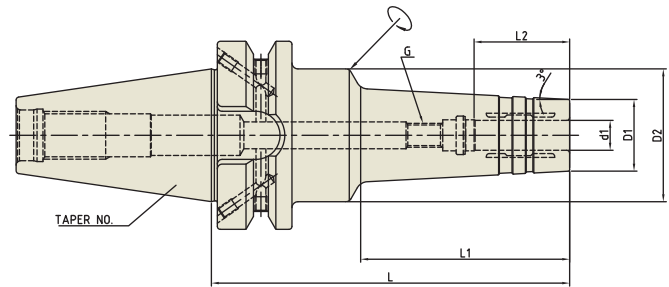
JIS B6339 - BT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B
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■ JIS B6339/MAS 403-BT

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2
WG100HCR	30	BT30 AD/B - HCR12-85	12	32	45	85	45	37
WG102HCR		BT30 AD/B - HCR20-85	20	44	-	85	-	42
WH100HCR	40	BT40 AD/B - HCR12-90	12	32	44.5	90	42.5	37
WH102HCR		BT40 AD/B - HCR20-90	20	42	44.5	90	47.5	42
WH104HCR		BT40 AD/B - HCR32-105	32	60	-	105	-	55

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.



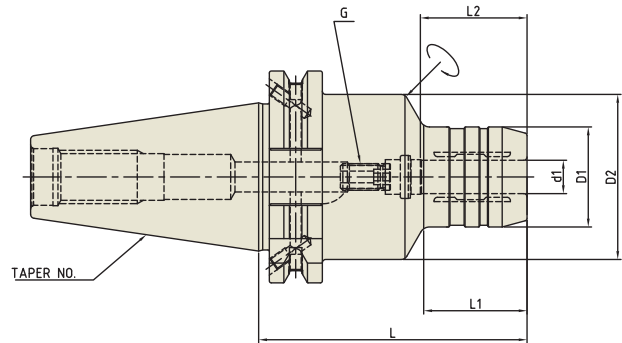
JIS B6339 - BT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B
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■ JIS B6339/MAS 403-BT

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WH100HMC	40	BT40 AD/B - HMC6-120	6	20	44.5	120	70	27	M5×0.8mm
WH102HMC		BT40 AD/B - HMC6-150	6	20	44.5	150	100	27	M5×0.8mm
WH104HMC		BT40 AD/B - HMC8-120	8	22	44.5	120	70	27	M6×1.0mm
WH106HMC		BT40 AD/B - HMC8-150	8	22	44.5	150	100	27	M6×1.0mm
WH108HMC		BT40 AD/B - HMC10-120	10	24	44.5	120	70	32	M8×1.0mm
WH110HMC		BT40 AD/B - HMC10-150	10	24	44.5	150	100	32	M8×1.0mm
WH112HMC		BT40 AD/B - HMC12-120	12	25	44.5	120	70	37	M10×1.0mm
WH114HMC		BT40 AD/B - HMC12-150	12	25	44.5	150	100	37	M10×1.0mm
WH116HMC		BT40 AD/B - HMC16-120	16	32	44.5	120	70	42	M12×1.0mm
WH118HMC		BT40 AD/B - HMC16-150	16	32	44.5	150	100	42	M12×1.0mm
WH120HMC		BT40 AD/B - HMC20-120	20	36	43.75	120	-	42	M16×1.0mm
WH122HMC		BT40 AD/B - HMC20-150	20	36	46.9	150	-	42	M16×1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.



CCT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B
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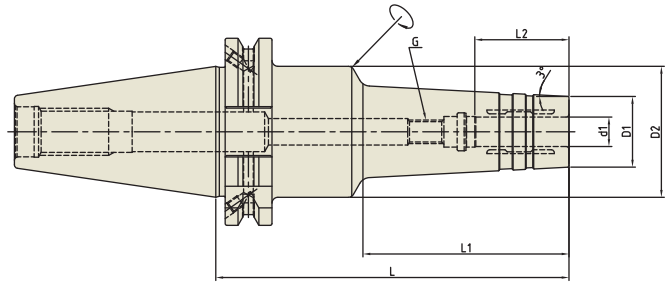
■ CCT (CAT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WB020	40	CCT40 AD/B – HC1/4–3.54	0.250	1.024	1.752	3.543	1.280	1.063	M5x0.8mm
WB022		CCT40 AD/B – HC5/16–3.54	0.313	1.102	1.752	3.543	1.280	1.063	M6x1.0mm
WB024		CCT40 AD/B – HC3/8–3.54	0.375	1.181	1.752	3.543	1.634	1.260	M8x1.0mm
WB026		CCT40 AD/B – HC1/2–3.54	0.500	1.260	1.752	3.543	1.634	1.457	M10x1.0mm
WB028		CCT40 AD/B – HC5/8–3.54	0.625	1.496	1.752	3.543	1.949	1.654	M10x1.0mm
WB030		CCT40 AD/B – HC3/4–3.54	0.750	1.654	1.752	3.543	1.949	1.654	M10x1.0mm
WB032		CCT40 AD/B – HC1–3.94	1.000	2.165	2.480	3.937	2.559	1.890	M16x1.0mm
WB034		CCT40 AD/B – HC1 1/4–4.13	1.250	2.480	3.150	4.134	1.378	2.165	M16x1.0mm
WC020	50	CCT50 AD/B – HC1/4–3.54	0.250	1.024	1.969	3.543	1.181	1.063	M5x0.8mm
WC022		CCT50 AD/B – HC5/16–3.54	0.313	1.102	1.969	3.543	1.181	1.063	M6x1.0mm
WC024		CCT50 AD/B – HC3/8–3.54	0.375	1.181	1.969	3.543	1.260	1.260	M8x1.0mm
WC026		CCT50 AD/B – HC1/2–3.54	0.500	1.260	1.969	3.543	1.378	1.457	M10x1.0mm
WC028		CCT50 AD/B – HC5/8–3.54	0.625	1.496	1.969	3.543	1.575	1.654	M10x1.0mm
WC030		CCT50 AD/B – HC3/4–3.54	0.750	1.654	1.969	3.543	1.575	1.654	M10x1.0mm
WC032		CCT50 AD/B – HC1–4.13	1.000	2.244	2.480	4.134	2.047	1.890	M16x1.0mm
WC034		CCT50 AD/B – HC1 1/4–4.53	1.250	2.480	2.953	4.528	2.441	2.165	M16x1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.

DUAL CONTACT HYDRAULIC CHUCK (For MOULD)



CCT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD/B
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■ CCT (CAT DUAL CONTACT)

Unit : inch

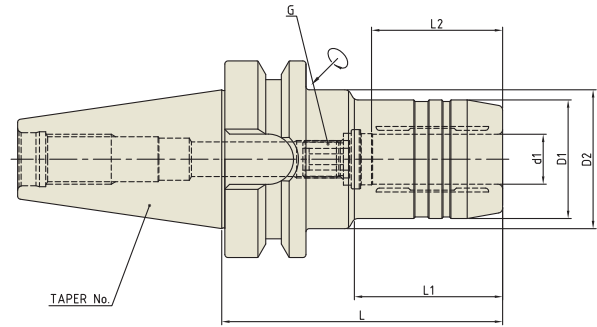
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G	
WB020HMC	40	CCT40 AD/B - HMC 1/4-4.72	0.250	0.787	1.949	4.724	2.756	1.063	M5x0.8mm	
WB022HMC		CCT40 AD/B - HMC 1/4-5.91	0.250	0.787	1.949	5.906	3.937	1.063	M5x0.8mm	
WB024HMC		CCT40 AD/B - HMC 5/16-4.72	0.313	0.866	1.949	4.724	2.756	1.063	M6x1.0mm	
WB026HMC		CCT40 AD/B - HMC 5/16-5.91	0.313	0.866	1.949	5.906	3.937	1.063	M6x1.0mm	
WB028HMC		CCT40 AD/B - HMC 3/8-4.72	0.375	0.945	1.949	4.724	2.756	1.260	M8x1.0mm	
WB030HMC		CCT40 AD/B - HMC 3/8-5.91	0.375	0.945	1.949	5.906	3.937	1.260	M8x1.0mm	
WB032HMC		CCT40 AD/B - HMC 1/2-4.72	0.500	1.024	1.949	4.724	2.756	1.457	M10x1.0mm	
WB034HMC		CCT40 AD/B - HMC 1/2-5.91	0.500	1.024	1.949	5.906	3.937	1.457	M10x1.0mm	
WB036HMC		CCT40 AD/B - HMC 5/8-4.72	0.625	1.260	1.949	4.724	2.756	1.654	M12x1.0mm	
WB038HMC		CCT40 AD/B - HMC 5/8-5.91	0.625	1.260	1.949	5.906	3.937	1.654	M12x1.0mm	
WB040HMC		CCT40 AD/B - HMC 3/4-4.72	0.750	1.339	1.949	4.724	2.756	1.654	M16x1.0mm	
WB042HMC		CCT40 AD/B - HMC 3/4-5.91	0.750	1.339	1.949	5.906	3.937	1.654	M16x1.0mm	
WC020HMC		50	CCT50 AD/B - HMC 1/4-5.91	0.250	0.787	1.752	5.906	3.937	1.063	M5x0.8mm
WC022HMC			CCT50 AD/B - HMC 5/16-5.91	0.313	0.866	1.752	5.906	3.937	1.063	M6x1.0mm
WC024HMC	CCT50 AD/B - HMC 3/8-5.91		0.375	0.945	1.752	5.906	3.937	1.260	M8x1.0mm	
WC026HMC	CCT50 AD/B - HMC 1/2-5.91		0.500	1.024	1.752	5.906	3.937	1.457	M10x1.0mm	
WC028HMC	CCT50 AD/B - HMC 5/8-5.91		0.625	1.260	1.752	5.906	3.937	1.654	M12x1.0mm	
WC030HMC	CCT50 AD/B - HMC 3/4-5.91		0.750	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	
WB100HMC	40	CCT40 AD/B - HMC6-120	6	20	49.5	120	70	27	M5X0.8mm	
WB102HMC		CCT40 AD/B - HMC6-150	6	20	49.5	150	100	27	M5X0.8mm	
WB104HMC		CCT40 AD/B - HMC8-120	8	22	49.5	120	70	27	M6X1.0mm	
WB106HMC		CCT40 AD/B - HMC8-150	8	22	49.5	150	100	27	M6X1.0mm	
WB108HMC		CCT40 AD/B - HMC10-120	10	24	49.5	120	70	32	M8X1.0mm	
WB110HMC		CCT40 AD/B - HMC10-150	10	24	49.5	150	100	32	M8X1.0mm	
WB112HMC		CCT40 AD/B - HMC12-120	12	25	49.5	120	70	37	M10X1.0mm	
WB114HMC		CCT40 AD/B - HMC12-150	12	25	49.5	150	100	37	M10X1.0mm	
WB116HMC		CCT40 AD/B - HMC16-120	16	32	49.5	120	70	42	M12X1.0mm	
WB118HMC		CCT40 AD/B - HMC16-150	16	32	49.5	150	100	42	M12X1.0mm	
WB120HMC		CCT40 AD/B - HMC20-120	20	36	49.5	120	70	42	M16X1.0mm	
WB122HMC		CCT40 AD/B - HMC20-150	20	36	49.5	150	100	42	M16X1.0mm	
WC100HMC		50	CCT50 AD/B - HMC6-150	6	20	44.5	150	100	27	M5X0.8mm
WC102HMC			CCT50 AD/B - HMC8-150	8	22	44.5	150	100	27	M6X1.0mm
WC104HMC	CCT50 AD/B - HMC10-150		10	24	44.5	150	100	32	M8X1.0mm	
WC106HMC	CCT50 AD/B - HMC12-150		12	25	44.5	150	100	37	M10X1.0mm	
WC108HMC	CCT50 AD/B - HMC16-150		16	32	44.5	150	100	42	M12X1.0mm	
WC110HMC	CCT50 AD/B - HMC20-150		20	36	44.5	150	100	42	M16X1.0mm	

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.

DUAL CONTACT HYDRAULIC CHUCK (SLIM)



CBT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD
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■ CBT (BT DUAL CONTACT)

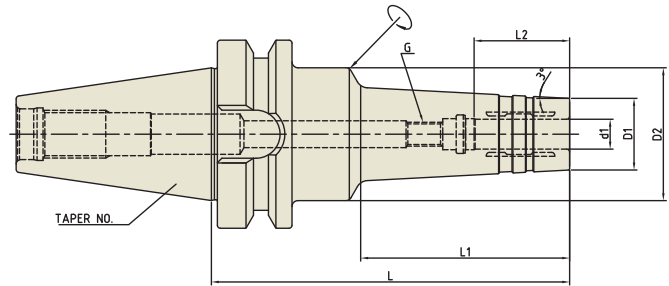
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WD020	30	CBT30 - HC1/4-2.76	0.250	1.024	1.752	2.756	1.161	1.063	M5x0.8mm
WD022		CBT30 - HC5/16-2.76	0.313	1.102	1.752	2.756	1.220	1.063	M6x1.0mm
WD024		CBT30 - HC3/8-2.95	0.375	1.181	1.752	2.953	1.220	1.260	M8x1.0mm
WD026		CBT30 - HC1/2-3.35	0.500	1.260	1.772	3.346	1.575	1.457	M10x1.0mm
WD028		CBT30 - HC5/8-3.54	0.625	1.496	1.772	3.543	1.811	1.654	M12x1.0mm
WD030		CBT30 - HC3/4-3.54	0.750	1.654	1.772	3.543	1.890	1.654	M16x1.0mm
WE020		40	CBT40 - HC1/4-3.54	0.250	1.024	1.752	3.543	1.181	1.063
WE022	CBT40 - HC5/16-3.54		0.313	1.102	1.752	3.543	1.280	1.063	M6x1.0mm
WE024	CBT40 - HC3/8-3.54		0.375	1.181	1.752	3.543	1.260	1.260	M8x1.0mm
WE026	CBT40 - HC1/2-3.54		0.500	1.260	1.752	3.543	1.378	1.457	M10x1.0mm
WE028	CBT40 - HC5/8-3.54		0.625	1.496	1.870	3.543	1.575	1.654	M12x1.0mm
WE030	CBT40 - HC3/4-3.54		0.750	1.654	1.870	3.543	1.575	1.654	M10x1.0mm
WE032	CBT40 - HC1"-3.94		1.000	1.969	2.362	3.937	1.772	1.890	M16x1.0mm
WE034	CBT40 - HC1 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
WD100	30	CBT30 - HC6-70	6	26	44.5	70	29.5	27	M5x0.8mm
WD102		CBT30 - HC8-70	8	28	44.5	70	30	27	M6x1.0mm
WD104		CBT30 - HC10-75	10	30	44.5	75	31	32	M8x1.0mm
WD106		CBT30 - HC12-85	12	32	44.5	85	45	37	M10x1.0mm
WD108		CBT30 - HC14-85	14	34	44.5	85	45	37	M10x1.0mm
WD110		CBT30 - HC16-90	16	38	45	90	50	42	M10x1.0mm
WD112		CBT30 - HC18-90	18	40	45	90	50	42	M10x1.0mm
WD114		CBT30 - HC20-90	20	42	45	90	50	42	M6x1.0mm
WE100	40	CBT40 - HC6-90	6	26	44.5	90	43	27	M5x0.8mm
WE102		CBT40 - HC8-90	8	28	44.5	90	44.5	27	M6x1.0mm
WE104		CBT40 - HC10-90	10	30	44.5	90	44.5	32	M8x1.0mm
WE106		CBT40 - HC12-90	12	32	44.5	90	44.5	37	M10x1.0mm
WE108		CBT40 - HC14-90	14	34	44.5	90	44.5	37	M10x1.0mm
WE110		CBT40 - HC16-90	16	38	44.5	90	47.5	42	M12x1.0mm
WE112		CBT40 - HC18-90	18	40	44.5	90	47.5	42	M12x1.0mm
WE114		CBT40 - HC20-90	20	42	44.5	90	47.5	42	M16x1.0mm
WE116		CBT40 - HC25-100	25	50	60	100	47.5	48	M16x1.0mm
WE118		CBT40 - HC32-105	32	60	-	105	-	55	M16x1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.



CBT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD
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■ CBT (BT DUAL CONTACT)

Unit : inch

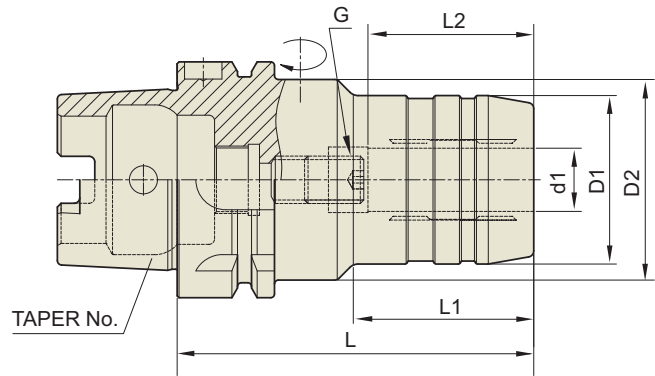
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WE020HMC	40	CBT40 - HMC1/4-4.72	0.250	0.787	1.752	4.724	2.756	1.063	M5x0.8mm
WE022HMC		CBT40 - HMC1/4-5.91	0.250	0.787	1.752	5.906	3.937	1.063	M5x0.8mm
WE024HMC		CBT40 - HMC5/16-4.72	0.313	0.866	1.752	4.724	2.756	1.063	M6x1.0mm
WE026HMC		CBT40 - HMC5/16-5.91	0.313	0.866	1.752	5.906	3.937	1.063	M6x1.0mm
WE028HMC		CBT40 - HMC3/8-4.72	0.375	0.945	1.752	4.724	2.756	1.260	M8x1.0mm
WE030HMC		CBT40 - HMC3/8-5.91	0.375	0.945	1.752	5.906	3.937	1.260	M8x1.0mm
WE032HMC		CBT40 - HMC1/2-4.72	0.500	1.024	1.752	4.724	2.756	1.457	M10x1.0mm
WE034HMC		CBT40 - HMC1/2-5.91	0.500	1.024	1.752	5.906	3.937	1.457	M10x1.0mm
WE036HMC		CBT40 - HMC5/8-4.72	0.625	1.260	1.752	4.724	2.756	1.654	M12x1.0mm
WE038HMC		CBT40 - HMC5/8-5.91	0.625	1.260	1.752	5.906	3.937	1.654	M12x1.0mm
WE040HMC		CBT40 - HMC3/4-4.72	0.750	1.339	1.722	4.724	-	1.654	M16x1.0mm
WE042HMC		CBT40 - HMC3/4-5.91	0.750	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
WE100HMC	40	CBT40 - HMC6-120	6	20	44.5	120	70	27	M5x0.8mm
WE102HMC		CBT40 - HMC6-150	6	20	44.5	150	100	27	M5x0.8mm
WE104HMC		CBT40 - HMC8-120	8	22	44.5	120	70	27	M6x1.0mm
WE106HMC		CBT40 - HMC8-150	8	22	44.5	150	100	27	M6x1.0mm
WE108HMC		CBT40 - HMC10-120	10	24	44.5	120	70	32	M8x1.0mm
WE110HMC		CBT40 - HMC10-150	10	24	44.5	150	100	32	M8x1.0mm
WE112HMC		CBT40 - HMC12-120	12	25	44.5	120	70	37	M10x1.0mm
WE114HMC		CBT40 - HMC12-150	12	25	44.5	150	100	37	M10x1.0mm
WE116HMC		CBT40 - HMC16-120	16	32	44.5	120	70	42	M12x1.0mm
WE118HMC		CBT40 - HMC16-150	16	32	44.5	150	100	42	M12x1.0mm
WE120HMC		CBT40 - HMC20-120	20	36	43.8	120	-	42	M16x1.0mm
WE122HMC		CBT40 - HMC20-150	20	36	46.9	150	-	42	M16x1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.

DUAL CONTACT HYDRAULIC CHUCK (SLIM)



DIN 69893 - HSK	Taper Accuracy	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD
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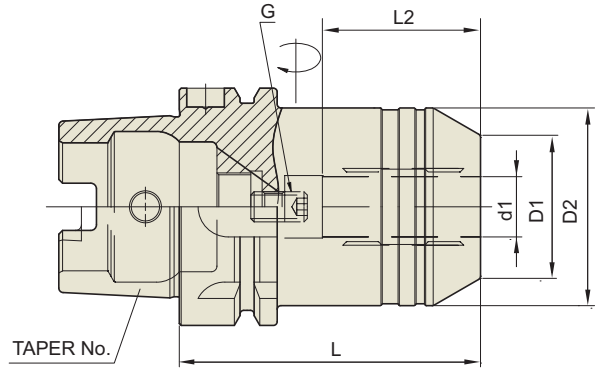
■ DIN69893/ISO 12164-1 HSK FROM A

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WQ020	63A	HSK63A – HC 1/4–2.76	0.250	1.024	1.969	2.756	0.945	1.063	M5x0.8mm
WQ022		HSK63A – HC 3/8–3.15	0.375	1.181	1.969	3.150	1.378	1.260	M8x1.0mm
WQ024		HSK63A – HC 1/2–3.35	0.500	1.260	1.969	3.346	1.575	1.457	M10x1.0mm
WQ026		HSK63A – HC 3/4–3.54	0.750	1.654	1.969	3.543	1.890	1.654	M16x1.0mm
WQ028		HSK63A – HC 1–4.72	1.000	2.244	2.480	4.724	2.323	1.890	M16x1.0mm
WQ030		HSK63A – HC 1 1/4–4.92	1.250	2.520	2.953	4.921	2.480	2.165	M16x1.0mm
WR020	100A	HSK100A – HC 1/4–2.95	0.250	1.024	1.969	2.953	1.024	1.063	M5x0.8mm
WR022		HSK100A – HC 3/8–2.95	0.375	1.181	1.969	3.543	1.654	1.260	M8x1.0mm
WR024		HSK100A – HC 1/2–3.74	0.500	1.260	1.969	3.740	1.850	1.457	M10x1.0mm
WR026		HSK100A – HC 3/4–4.13	0.750	1.654	1.969	4.134	2.323	1.654	M16x1.0mm
WR028		HSK100A – HC 1–4.33	1.000	2.244	2.480	4.331	2.441	1.890	M16x1.0mm
WR032		HSK100A – HC 1 1/4–4.33	1.250	2.520	2.953	4.331	2.441	2.165	M16x1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.

DUAL CONTACT HYDRAULIC CHUCK (SHORT & RIGID) HSK



DIN69893 -HSK	Taper Accuracy	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD
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■ DIN 69893/ISO 12164-1-HSK FORM A

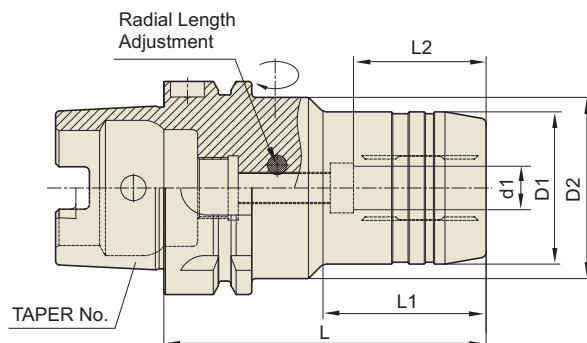
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
WQ100SNR	63A	HSK63A – HC12S-80	12	32	42	80	37	M8x1.0mm
WQ102SNR		HSK63A – HC20S-80	20	38	52.5	80	42	M8x1.0mm
WR100SNR	100A	HSK100A – HC12S-85	12	32	42	85	35	M8x1.0mm
WR102SNR		HSK100A – HC20S-90	20	38	52.5	90	42	M8x1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.

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

HSK



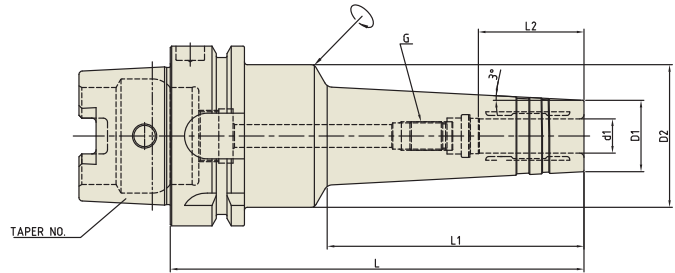
DIN 69893 - HSK	Taper Accuracy	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD
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■ DIN 69893/ISO 12164-1-HSK FORM A

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2
WQ100HCR	63A	HSK63A - HCR6-85	6	26	50	85	33	27
WQ102HCR		HSK63A - HCR8-85	8	28	50	85	33	27
WQ104HCR		HSK63A - HCR10-85	10	30	50	85	38	32
WQ106HCR		HSK63A - HCR12-95	12	32	50	95	40	37
WQ108HCR		HSK63A - HCR14-95	14	34	50	95	46	37
WQ110HCR		HSK63A - HCR16-95	16	38	50	95	51	42
WQ112HCR		HSK63A - HCR18-95	18	40	50	95	52	42
WQ114HCR		HSK63A - HCR20-100	20	42	50	100	51	42
WQ116HCR		HSK63A - HCR25-120	25	57	63	120	54.5	48
WQ118HCR		HSK63A - HCR32-125	32	64	75	125	57.5	55
WR100HCR	100A	HSK100A - HCR6-90	6	26	63	90	33	27
WR102HCR		HSK100A - HCR8-90	8	28	63	90	33	27
WR104HCR		HSK100A - HCR10-95	10	30	63	95	36	32
WR106HCR		HSK100A - HCR12-100	12	32	63	100	40	37
WR108HCR		HSK100A - HCR14-100	14	34	63	100	41	37
WR110HCR		HSK100A - HCR16-105	16	38	63	105	46	42
WR112HCR		HSK100A - HCR18-105	18	40	63	105	46	42
WR114HCR		HSK100A - HCR20-105	20	42	75	105	51	42
WR116HCR		HSK100A - HCR25-115	25	57	75	115	55.5	48
WR118HCR		HSK100A - HCR32-120	32	64	75	120	63.5	55

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.



DIN69893 -HSK	Taper Accuracy	G Value 2.5	RPM 25,000	Run-Out (at 3D) ≤0.00012"	Coolant System AD
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■ DIN 69893/ISO 12164-1-HSK FORM A

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WQ020HMC	63A	HSK63A – HMC1/4–5.71	0.250	0.787	1.969	5.709	3.543	1.063	M5x0.8mm
WQ022HMC		HSK63A – HMC5/16–5.71	0.313	0.866	1.969	5.709	3.543	1.063	M6x1.0mm
WQ024HMC		HSK63A – HMC3/8–5.71	0.375	0.945	1.969	5.709	3.543	1.260	M8x1.0mm
WQ026HMC		HSK63A – HMC1/2–5.71	0.500	1.024	1.969	5.709	3.543	1.457	M10x1.0mm
WQ028HMC		HSK63A – HMC5/8–5.71	0.625	1.260	1.969	5.709	3.543	1.654	M12x1.0mm
WQ030HMC		HSK63A – HMC3/4–5.71	0.750	1.339	1.969	5.709	3.543	1.654	M16x1.0mm
WR100HMC	100A	HSK100A – HMC1/4–5.71	0.250	0.787	1.969	5.709	3.543	1.063	M5x0.8mm
WR102HMC		HSK100A – HMC5/16–5.71	0.313	0.866	1.969	5.709	3.543	1.063	M6x1.0mm
WR104HMC		HSK100A – HMC3/8–5.71	0.375	0.945	1.969	5.709	3.543	1.260	M8x1.0mm
WR106HMC		HSK100A – HMC1/2–5.71	0.500	1.024	1.969	5.709	3.543	1.457	M10x1.0mm
WR108HMC		HSK100A – HMC5/8–5.71	0.625	1.260	1.969	5.709	3.543	1.654	M12x1.0mm
WR110HMC		HSK100A – HMC3/4–5.71	0.750	1.339	1.969	5.709	3.543	1.654	M16x1.0mm

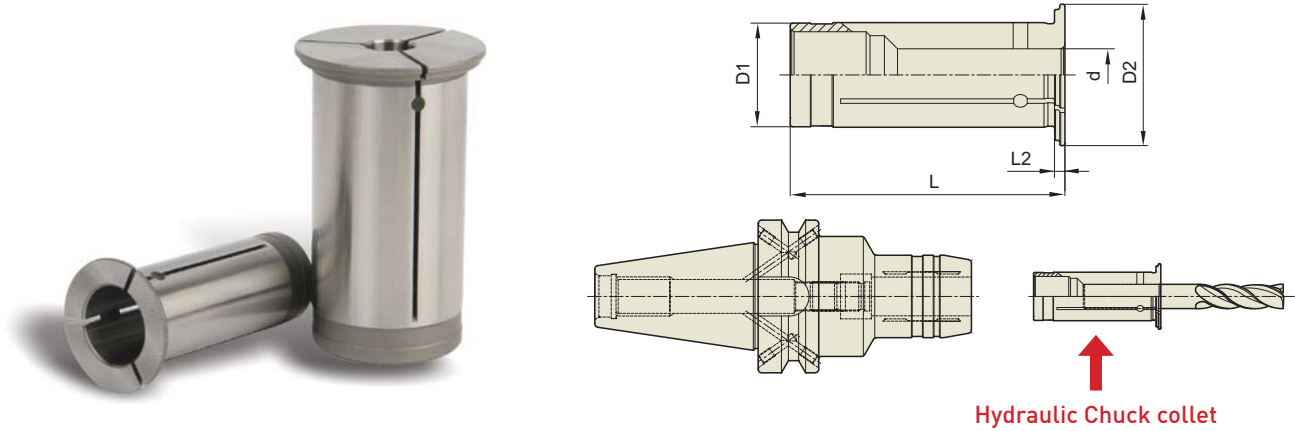
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WQ100HMC	63A	HSK63A – HMC6–145	6	20	50	145	90	27	M5x0.8mm
WQ102HMC		HSK63A – HMC8–145	8	22	50	145	90	27	M6x1.0mm
WQ104HMC		HSK63A – HMC10–145	10	24	50	145	90	32	M8x1.0mm
WQ106HMC		HSK63A – HMC12–145	12	25	50	145	90	37	M10x1.0mm
WQ108HMC		HSK63A – HMC16–145	16	32	50	145	90	42	M12x1.0mm
WQ110HMC		HSK63A – HMC20–145	20	36	50	145	90	42	M16x1.0mm
WR200HMC	100A	HSK100A – HMC6–150	6	20	50	150	90	27	M5x0.8mm
WR202HMC		HSK100A – HMC8–150	8	22	50	150	90	27	M6x1.0mm
WR204HMC		HSK100A – HMC10–150	10	24	50	150	90	32	M8x1.0mm
WR206HMC		HSK100A – HMC12–150	12	25	50	150	90	37	M10x1.0mm
WR208HMC		HSK100A – HMC16–150	16	32	50	150	90	42	M12x1.0mm
WR210HMC		HSK100A – HMC20–150	20	36	50	150	90	42	M16x1.0mm

* APPLICABLE HYDRAULIC CHUCK COLLETS(REDUCTION SLEEVES) ON PAGE 24~29.

HYDRAULIC CHUCK COLLET

(REDUCTION SLEEVE : OPEN TYPE)



■ METRIC / INCH

Unit : inch

EDP No.	TYPE	d	D1	D2	L	L2	
412108	HK12	1/8"	0.125	0.472	0.748	1.850	0.079
412316		3/16"	0.188	0.472	0.748	1.850	0.079
412104		1/4"	0.250	0.472	0.748	1.850	0.079
412516		5/16"	0.313	0.472	0.748	1.850	0.079
420108	HK20	1/8"	0.125	0.787	1.063	2.067	0.079
420316		3/16"	0.188	0.787	1.063	2.067	0.079
420104		1/4"	0.250	0.787	1.063	2.067	0.079
420516		5/16"	0.313	0.787	1.063	2.067	0.079
420308		3/8"	0.375	0.787	1.063	2.067	0.079
420102		1/2"	0.500	0.787	1.063	2.067	0.079
420508		5/8"	0.625	0.787	1.063	2.067	0.079
432108	HK32	1/8"	0.125	1.260	1.535	2.500	0.118
432316		3/16"	0.188	1.260	1.535	2.500	0.118
432104		1/4"	0.250	1.260	1.535	2.500	0.118
432516		5/16"	0.313	1.260	1.535	2.500	0.118
432308		3/8"	0.375	1.260	1.535	2.500	0.118
432102		1/2"	0.500	1.260	1.535	2.500	0.118
432508		5/8"	0.625	1.260	1.535	2.500	0.118
432304		3/4"	0.750	1.260	1.535	2.500	0.118
432100		1	1.000	1.260	1.535	2.500	0.118

* OTHER SPECIAL SIZES OF HYDRAULIC CHUCK COLLETS CAN BE SUPPLIED ON REQUEST.

▶ Feature

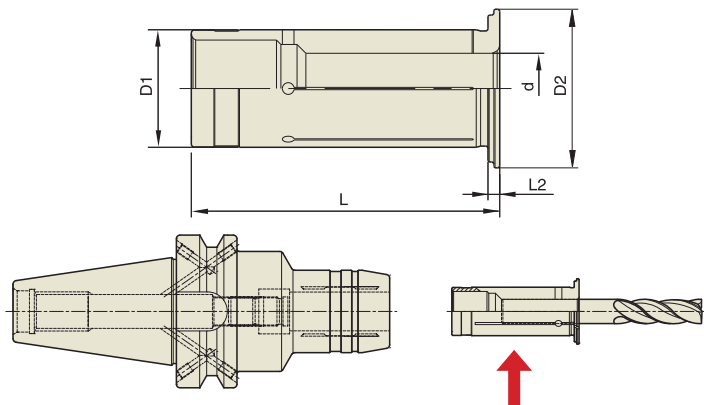
Hydraulic Chuck collet (reduction sleeve) is cut into trisection by high precision cutting to guarantee precise I.D and strong clamping power.

▶ Chucking Method

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

HYDRAULIC CHUCK COLLET

(REDUCTION SLEEVE : CLOSED TYPE)



Hydraulic Chuck collet

■ METRIC / INCH

Unit : inch

EDP No.	TYPE	d	D1	D2	L	L2	
512108	HS12	1/8"	0.125	0.472	0.748	1.850	0.079
512316		3/16"	0.188	0.472	0.748	1.850	0.079
512104		1/4"	0.250	0.472	0.748	1.850	0.079
512516		5/16"	0.313	0.472	0.748	1.850	0.079
520108	HS20	1/8"	0.125	0.787	1.063	2.067	0.079
520316		3/16"	0.188	0.787	1.063	2.067	0.079
520104		1/4"	0.250	0.787	1.063	2.067	0.079
520516		5/16"	0.313	0.787	1.063	2.067	0.079
520308		3/8"	0.375	0.787	1.063	2.067	0.079
520102		1/2"	0.500	0.787	1.063	2.067	0.079
520508	5/8"	0.625	0.787	1.063	2.067	0.079	
532108	HS32	1/8"	0.125	1.260	1.535	2.500	0.118
532316		3/16"	0.188	1.260	1.535	2.500	0.118
532104		1/4"	0.250	1.260	1.535	2.500	0.118
532516		5/16"	0.313	1.260	1.535	2.500	0.118
532308		3/8"	0.375	1.260	1.535	2.500	0.118
532102		1/2"	0.500	1.260	1.535	2.500	0.118
532508		5/8"	0.625	1.260	1.535	2.500	0.118
532304		3/4"	0.750	1.260	1.535	2.500	0.118
532100		1	1.000	1.260	1.535	2.500	0.118

* OTHER SPECIAL SIZES OF HYDRAULIC CHUCK COLLETS CAN BE SUPPLIED ON REQUEST.

► Feature

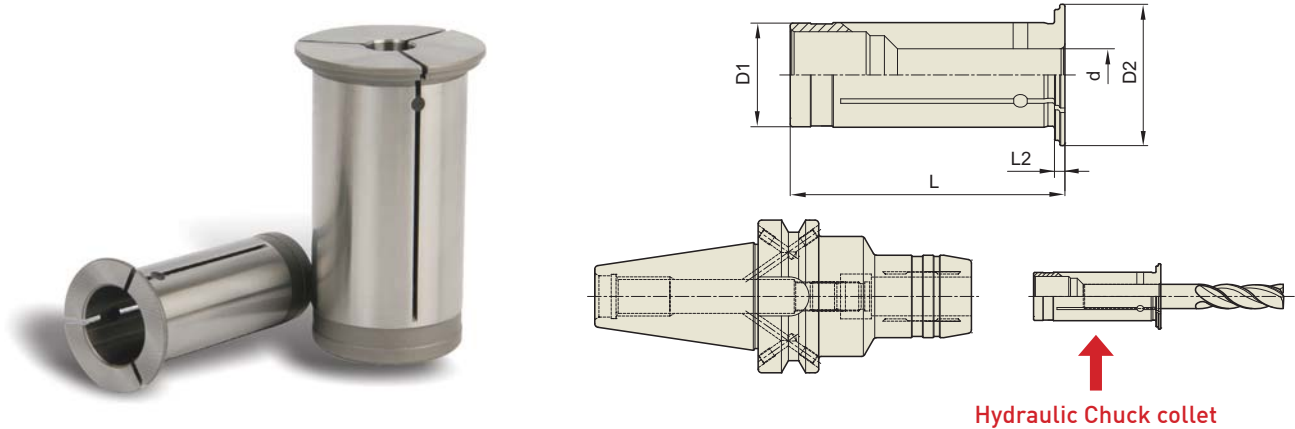
The wall of Hydraulic Chuck collet (reduction sleeve) is cut by high precision wire-cutting to guarantee precise I,D and strong clamping power.

► Chucking Method

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

HYDRAULIC CHUCK COLLET

(REDUCTION SLEEVE : OPEN TYPE)



■ INCH / INCH

Unit : inch

EDP No.	TYPE	d	D1	D2	L	L2	
612108	HK1/2"	1/8"	0.125	0.500	0.748	1.850	0.079
612316		3/16"	0.188	0.500	0.748	1.850	0.079
612104		1/4"	0.250	0.500	0.748	1.850	0.079
612516		5/16"	0.313	0.500	0.748	1.850	0.079
625108	HK3/4"	1/8"	0.125	0.750	1.063	2.067	0.079
625316		3/16"	0.188	0.750	1.063	2.067	0.079
625104		1/4"	0.250	0.750	1.063	2.067	0.079
625516		5/16"	0.313	0.750	1.063	2.067	0.079
625308		3/8"	0.375	0.750	1.063	2.067	0.079
625102		1/2"	0.500	0.750	1.063	2.067	0.079
625508	5/8"	0.625	0.750	1.063	2.067	0.079	
632108	HK1 1/4"	1/8"	0.125	1.250	1.535	2.500	0.118
632316		3/16"	0.188	1.250	1.535	2.500	0.118
632104		1/4"	0.250	1.250	1.535	2.500	0.118
632516		5/16"	0.313	1.250	1.535	2.500	0.118
632308		3/8"	0.375	1.250	1.535	2.500	0.118
632102		1/2"	0.500	1.250	1.535	2.500	0.118
632508		5/8"	0.625	1.250	1.535	2.500	0.118
632304		3/4"	0.750	1.250	1.535	2.500	0.118
632100		1	1.000	1.250	1.535	2.500	0.118

* OTHER SPECIAL SIZES OF HYDRAULIC CHUCK COLLETS CAN BE SUPPLIED ON REQUEST.

► Feature

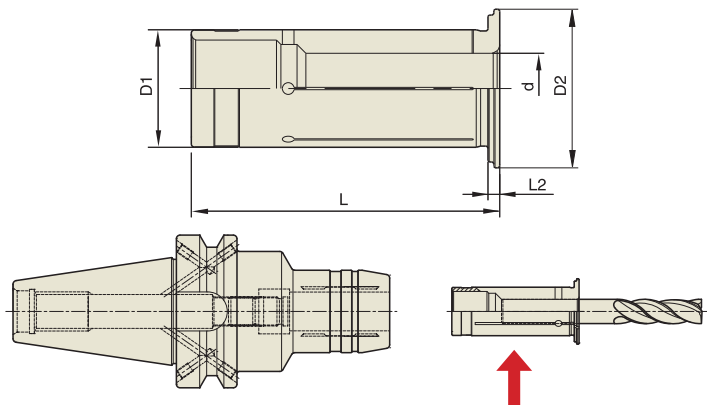
Hydraulic Chuck collet (reduction sleeve) is cut into trisection by high precision cutting to guarantee precise I.D and strong clamping power.

► Chucking Method

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

HYDRAULIC CHUCK COLLET

(REDUCTION SLEEVE : CLOSED TYPE)



Hydraulic Chuck collet

■ INCH / INCH

Unit : inch

EDP No.	TYPE	d	D1	D2	L	L2	
712108	HS1/2"	1/8"	0.125	0.500	0.748	1.850	0.079
712316		3/16"	0.188	0.500	0.748	1.850	0.079
712104		1/4"	0.250	0.500	0.748	1.850	0.079
712516		5/16"	0.313	0.500	0.748	1.850	0.079
725108	HS3/4"	1/8"	0.125	0.750	1.063	2.067	0.079
725316		3/16"	0.188	0.750	1.063	2.067	0.079
725104		1/4"	0.250	0.750	1.063	2.067	0.079
725516		5/16"	0.313	0.750	1.063	2.067	0.079
725308		3/8"	0.375	0.750	1.063	2.067	0.079
725102		1/2"	0.500	0.750	1.063	2.067	0.079
725508	5/8"	0.625	0.750	1.063	2.067	0.079	
732108	HS1 1/4"	1/8"	0.125	1.250	1.535	2.500	0.118
732316		3/16"	0.188	1.250	1.535	2.500	0.118
732104		1/4"	0.250	1.250	1.535	2.500	0.118
732516		5/16"	0.313	1.250	1.535	2.500	0.118
732308		3/8"	0.375	1.250	1.535	2.500	0.118
732102		1/2"	0.500	1.250	1.535	2.500	0.118
732508		5/8"	0.625	1.250	1.535	2.500	0.118
732304		3/4"	0.750	1.250	1.535	2.500	0.118
732100	1	1.000	1.250	1.535	2.500	0.118	

* OTHER SPECIAL SIZES OF HYDRAULIC CHUCK COLLETS CAN BE SUPPLIED ON REQUEST.

► Feature

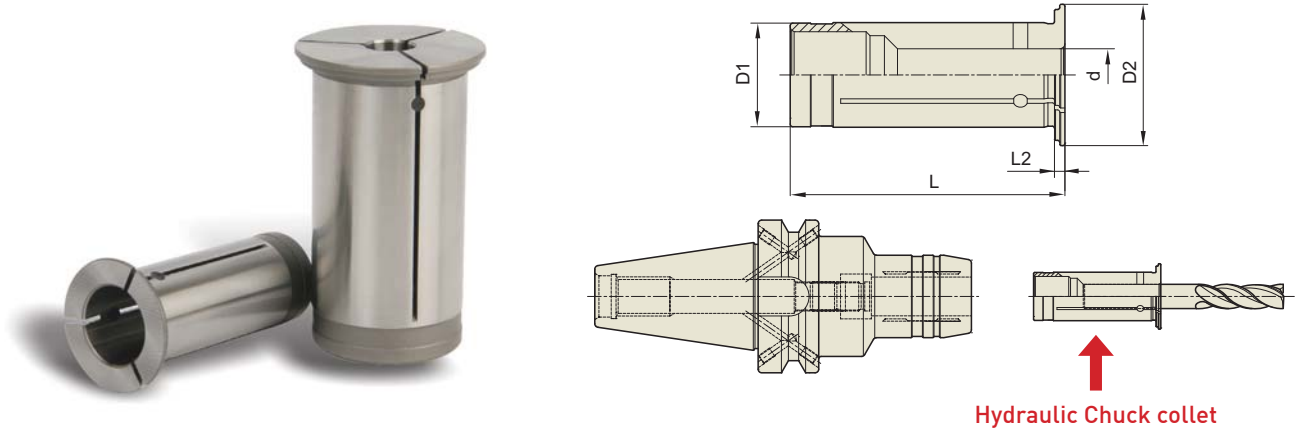
The wall of Hydraulic Chuck collet (reduction sleeve) is cut by high precision wire-cutting to guarantee precise I.D and strong clamping power.

► Chucking Method

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

HYDRAULIC CHUCK COLLET

(REDUCTION SLEEVE : OPEN TYPE)



■ METRIC / METRIC

Unit : mm

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

* OTHER SPECIAL SIZES OF HYDRAULIC CHUCK COLLETS CAN BE SUPPLIED ON REQUEST.

▶ Feature

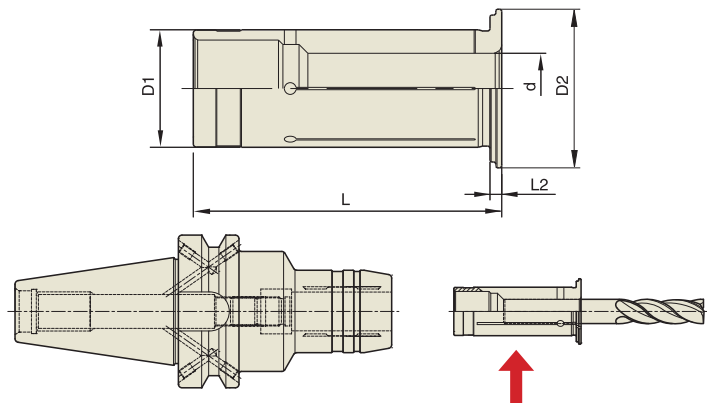
Hydraulic Chuck collet (reduction sleeve) is cut into trisection by high precision cutting to guarantee precise I.D and strong clamping power.

▶ Chucking Method

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

HYDRAULIC CHUCK COLLET

(REDUCTION SLEEVE : CLOSED TYPE)



Hydraulic Chuck collet

■ METRIC / METRIC

Unit : mm

EDP No.	TYPE	d	D1	D2	L	L2
912030	HS12	3	12	19	47	2
912040		4	12	19	47	2
912050		5	12	19	47	2
912060		6	12	19	47	2
912070		7	12	19	47	2
912008		8	12	19	47	2
920030	HS20	3	20	27	52.5	2
920040		4	20	27	52.5	2
920050		5	20	27	52.5	2
920060		6	20	27	52.5	2
920070		7	20	27	52.5	2
920080		8	20	27	52.5	2
920090		9	20	27	52.5	2
920100		10	20	27	52.5	2
920110		11	20	27	52.5	2
920120		12	20	27	52.5	2
920130		13	20	27	52.5	2
920140		14	20	27	52.5	2
920150	15	20	27	52.5	2	
920160	16	20	27	52.5	2	
932060	HS32	6	32	39	63.5	3
932080		8	32	39	63.5	3
932100		10	32	39	63.5	3
932120		12	32	39	63.5	3
932140		14	32	39	63.5	3
932160		16	32	39	63.5	3
932180		18	32	39	63.5	3
932200		20	32	39	63.5	3
932250		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.

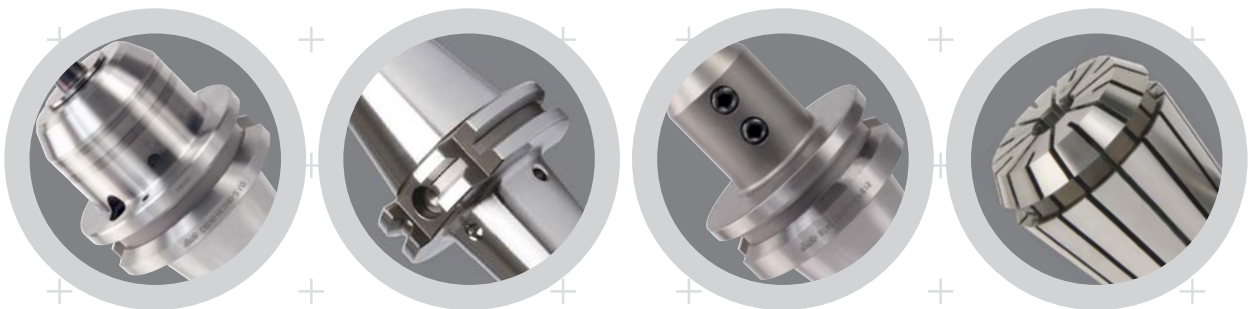
▶ Chucking Method

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

Rotary Tooling

THE WORLD LEADER IN
THE TOOL HOLDER
INDUSTRY

- HYDRAULIC CHUCK
- SHRINK FIT HOLDER
- END MILL HOLDER & SIDE LOCK ARBOR
- ER COLLET CHUCK
- SK SLIM CHUCK
- TG COLLET CHUCK
- MILLING CHUCK
- MORSE TAPER ADAPTER
- TAPPING CHUCK
- SHELL MILL ARBOR
- NC DRILL CHUCK
- JACOBS TAPER ARBOR
- STUB ARBOR
- SLITTING SAW ARBOR
- PULL STUD & TOOL CLAMP



YG-1 CO., LTD.



ROTARY TOOLING

SHRINK FIT HOLDER

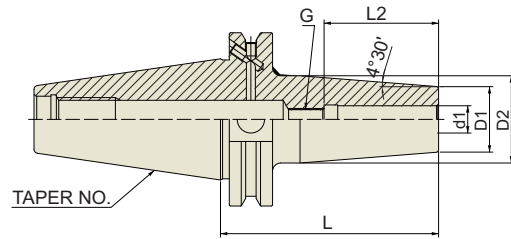


SHRINK FIT HOLDER

- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403
- ST : STRAIGHT
EXTENSION

DUAL CONTACT SHRINK FIT HOLDER

- CGT : CAT DUAL CONTACT
- CBT : BT DUAL CONTACT
- HSK : DIN 69893/ISO 12164-1

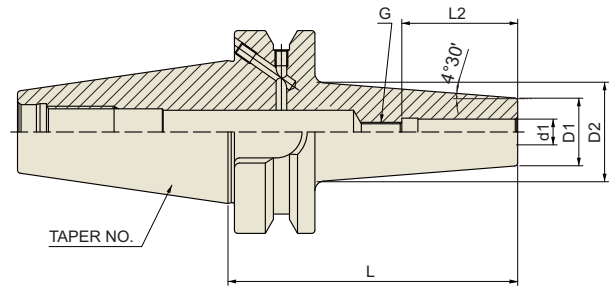


ASME B5.50 - CAT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at LD) ≤0.00012"	Coolant System AD/B
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■ ASME B5.50-2009-CAT

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VK020	40	CAT40 AD/B - SFH1/8-3.15	0.125	0.394	0.748	3.150	0.354	-
VK022		CAT40 AD/B - SFH3/16-3.15	0.188	0.394	0.748	3.150	0.472	-
VK024		CAT40 AD/B - SFH1/4-3.15	0.250	0.827	1.063	3.150	1.417	M5x0.8mm
VK026		CAT40 AD/B - SFH1/4-6.30	0.250	0.827	1.063	6.299	1.417	M5x0.8mm
VK028		CAT40 AD/B - SFH3/8-3.15	0.375	0.945	1.260	3.150	1.654	M8x1.0mm
VK030		CAT40 AD/B - SFH3/8-6.30	0.375	0.945	1.260	6.299	1.654	M8x1.0mm
VK032		CAT40 AD/B - SFH1/2-3.15	0.500	0.945	1.260	3.150	1.850	M10x1.0mm
VK034		CAT40 AD/B - SFH1/2-6.30	0.500	0.945	1.260	6.299	1.850	M10x1.0mm
VK036		CAT40 AD/B - SFH5/8-3.15	0.625	1.063	1.339	3.150	1.969	M12x1.0mm
VK038		CAT40 AD/B - SFH5/8-6.30	0.625	1.063	1.339	6.299	1.969	M12x1.0mm
VK040		CAT40 AD/B - SFH3/4-3.15	0.750	1.299	1.654	3.150	2.047	M16x1.0mm
VK042		CAT40 AD/B - SFH3/4-6.30	0.750	1.299	1.654	6.299	2.047	M16x1.0mm
VK044		CAT40 AD/B - SFH1-3.94	1.000	1.732	2.087	3.937	2.283	M16x1.0mm
VK046		CAT40 AD/B - SFH1-6.30	1.000	1.732	2.087	6.299	2.283	M16x1.0mm
VK048		CAT40 AD/B - SFH1-1/4-3.94	1.250	1.732	2.087	3.937	2.283	M16x1.0mm
VK050		CAT40 AD/B - SFH1-1/4-6.30	1.250	1.732	2.087	6.299	2.283	M16x1.0mm
VL020		50	CAT50 AD/B - SFH1/8-3.15	0.125	0.394	0.748	3.150	0.354
VL022	CAT50 AD/B - SFH3/16-3.15		0.188	0.394	0.748	3.150	0.472	-
VL024	CAT50 AD/B - SFH1/4-3.15		0.250	0.827	1.063	3.150	1.417	M5x0.8mm
VL026	CAT50 AD/B - SFH1/4-6.30		0.250	0.827	1.063	6.299	1.417	M5x0.8mm
VL028	CAT50 AD/B - SFH3/8-3.15		0.375	0.945	1.260	3.150	1.654	M8x1.0mm
VL030	CAT50 AD/B - SFH3/8-6.30		0.375	0.945	1.260	6.299	1.654	M8x1.0mm
VL032	CAT50 AD/B - SFH1/2-3.15		0.500	0.945	1.260	3.150	1.850	M10x1.0mm
VL034	CAT50 AD/B - SFH1/2-6.30		0.500	0.945	1.260	6.299	1.850	M10x1.0mm
VL036	CAT50 AD/B - SFH5/8-3.15		0.625	1.063	1.339	3.150	1.969	M12x1.0mm
VL038	CAT50 AD/B - SFH5/8-6.3		0.625	1.063	1.339	6.299	1.969	M12x1.0mm
VL040	CAT50 AD/B - SFH3/4-3.15		0.750	1.299	1.654	3.150	2.047	M16x1.0mm
VL042	CAT50 AD/B - SFH3/4-6.3		0.750	1.299	1.654	6.299	2.047	M16x1.0mm
VL044	CAT50 AD/B - SFH1-3.94		1.000	1.732	2.087	3.937	2.283	M16x1.0mm
VL046	CAT50 AD/B - SFH1-6.30		1.000	1.732	2.087	6.299	2.283	M16x1.0mm
VL048	CAT50 AD/B - SFH1-1/4-3.94		1.250	1.732	2.087	3.937	2.283	M16x1.0mm
VL050	CAT50 AD/B - SFH1-1/4-6.30		1.250	1.732	2.087	6.299	2.283	M16x1.0mm

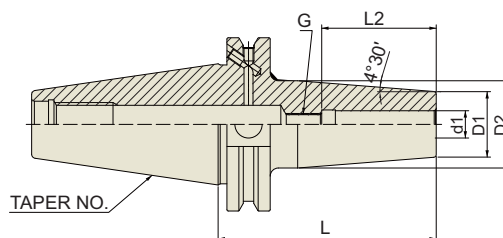


JIS B6339 - BT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at LD) ≤0.00012"	Coolant System AD/B
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■ JIS B6339/MAS 403-BT

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VG020	30	BT30 AD/B – SFH1/8–2.36	0.125	0.394	0.629	2.362	0.354	–
VG022		BT30 AD/B – SFH3/16–2.36	0.188	0.394	0.629	2.362	0.472	–
VG024		BT30 AD/B – SFH1/4–2.36	0.250	0.827	1.062	2.362	1.417	M5x0.8mm
VG026		BT30 AD/B – SFH3/8–2.36	0.375	0.945	1.180	2.362	1.654	M8x1.0mm
VG028		BT30 AD/B – SFH1/2–3.15	0.500	0.945	1.260	3.150	1.850	M10x1.0mm
VG030		BT30 AD/B – SFH5/8–3.15	0.625	1.063	1.339	3.150	1.969	M12x1.0mm
VG032		BT30 AD/B – SFH3/4–3.54	0.750	1.299	1.654	3.543	2.047	M16x1.0mm
VH020		40	BT40 AD/B – SFH1/8–3.54	0.125	0.394	0.748	3.543	0.354
VH022	BT40 AD/B – SFH3/16–3.54		0.188	0.394	0.748	3.543	0.472	–
VH024	BT40 AD/B – SFH1/4–3.54		0.250	0.827	1.063	3.543	1.417	M5x0.8mm
VH026	BT40 AD/B – SFH1/4–6.30		0.250	0.827	1.063	6.299	1.417	M5x0.8mm
VH028	BT40 AD/B – SFH3/8–3.54		0.375	0.945	1.260	3.543	1.654	M8x1.0mm
VH030	BT40 AD/B – SFH3/8–6.30		0.375	0.945	1.260	6.299	1.654	M8x1.0mm
VH032	BT40 AD/B – SFH1/2–3.54		0.500	0.945	1.260	3.543	1.850	M10x1.0mm
VH034	BT40 AD/B – SFH1/2–6.30		0.500	0.945	1.260	6.299	1.850	M10x1.0mm
VH036	BT40 AD/B – SFH5/8–3.54		0.625	1.063	1.339	3.543	1.969	M12x1.0mm
VH038	BT40 AD/B – SFH5/8–6.30		0.625	1.063	1.339	6.299	1.969	M12x1.0mm
VH040	BT40 AD/B – SFH3/4–3.54		0.750	1.299	1.654	3.543	2.047	M16x1.0mm
VH042	BT40 AD/B – SFH3/4–6.30		0.750	1.299	1.654	6.299	2.047	M16x1.0mm
VH044	BT40 AD/B – SFH1–3.94		1.000	1.732	2.087	3.937	2.283	M16x1.0mm
VH046	BT40 AD/B – SFH1–6.30		1.000	1.732	2.087	6.299	2.283	M16x1.0mm

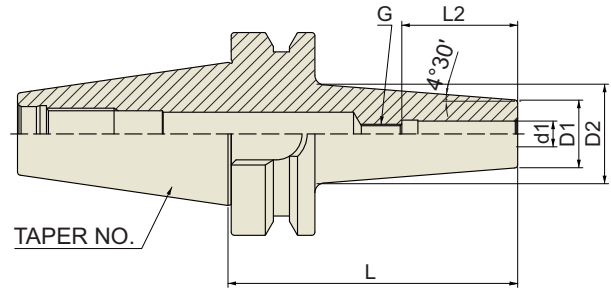


CCT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at LD) ≤0.00012"	Coolant System AD/B
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■ CCT (CAT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VB020	40	CCT40 AD/B – SFH1/8–3.15	0.125	0.394	0.748	3.150	0.354	–
VB022		CCT40 AD/B – SFH3/16–3.15	0.188	0.394	0.748	3.150	0.472	–
VB024		CCT40 AD/B – SFH1/4–3.15	0.250	0.827	1.063	3.150	1.417	M5x0.8mm
VB026		CCT40 AD/B – SFH1/4–6.30	0.250	0.827	1.063	6.299	1.417	M5x0.8mm
VB028		CCT40 AD/B – SFH3/8–3.15	0.375	0.945	1.260	3.150	1.654	M8x1.0mm
VB030		CCT40 AD/B – SFH3/8–6.30	0.375	0.945	1.260	6.299	1.654	M8x1.0mm
VB032		CCT40 AD/B – SFH1/2–3.15	0.500	0.945	1.260	3.150	1.850	M10x1.0mm
VB034		CCT40 AD/B – SFH1/2–6.30	0.500	0.945	1.260	6.299	1.850	M10x1.0mm
VB036		CCT40 AD/B – SFH5/8–3.15	0.625	1.063	1.339	3.150	1.969	M12x1.0mm
VB038		CCT40 AD/B – SFH5/8–6.30	0.625	1.063	1.339	6.299	1.969	M12x1.0mm
VB040		CCT40 AD/B – SFH3/4–3.15	0.750	1.299	1.654	3.150	2.047	M16x1.0mm
VB042		CCT40 AD/B – SFH3/4–6.30	0.750	1.299	1.654	6.299	2.047	M16x1.0mm
VB044		CCT40 AD/B – SFH1–3.94	1.000	1.732	2.087	3.937	2.283	M16x1.0mm
VB046		CCT40 AD/B – SFH1–6.30	1.000	1.732	2.087	6.299	2.283	M16x1.0mm
VB048		CCT40 AD/B – SFH1–1/4–3.94	1.250	1.732	2.087	3.937	2.283	M16x1.0mm
VB050		CCT40 AD/B – SFH1–1/4–6.30	1.250	1.732	2.087	6.299	2.283	M16x1.0mm
VC020		50	CCT50 AD/B – SFH1/8–3.15	0.125	0.394	0.748	3.150	0.354
VC022	CCT50 AD/B – SFH3/16–3.15		0.188	0.394	0.748	3.150	0.472	–
VC024	CCT50 AD/B – SFH1/4–3.15		0.250	0.827	1.063	3.150	1.417	M5x0.8mm
VC026	CCT50 AD/B – SFH1/4–6.30		0.250	0.827	1.063	6.299	1.417	M5x0.8mm
VC028	CCT50 AD/B – SFH3/8–3.15		0.375	0.945	1.260	3.150	1.654	M8x1.0mm
VC030	CCT50 AD/B – SFH3/8–6.30		0.375	0.945	1.260	6.299	1.654	M8x1.0mm
VC032	CCT50 AD/B – SFH1/2–3.15		0.500	0.945	1.260	3.150	1.850	M10x1.0mm
VC034	CCT50 AD/B – SFH1/2–6.30		0.500	0.945	1.260	6.299	1.850	M10x1.0mm
VC036	CCT50 AD/B – SFH5/8–3.15		0.625	1.063	1.339	3.150	1.969	M12x1.0mm
VC040	CCT50 AD/B – SFH5/8–6.30		0.625	1.063	1.339	6.299	1.969	M12x1.0mm
VC042	CCT50 AD/B – SFH3/4–3.15		0.750	1.299	1.654	3.150	2.047	M16x1.0mm
VC044	CCT50 AD/B – SFH3/4–6.30		0.750	1.299	1.654	6.299	2.047	M16x1.0mm
VC046	CCT50 AD/B – SFH1–3.94		1.000	1.732	2.087	3.937	2.283	M16x1.0mm
VC048	CCT50 AD/B – SFH1–6.30		1.000	1.732	2.087	6.299	2.283	M16x1.0mm
VC050	CCT50 AD/B – SFH1–1/4–3.94		1.250	1.732	2.087	3.937	2.283	M16x1.0mm
VC052	CCT50 AD/B – SFH1–1/4–6.30		1.250	1.732	2.087	6.299	2.283	M16x1.0mm

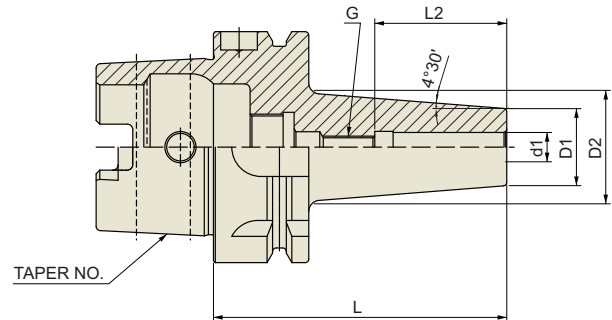


CBT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at LD) ≤0.00012"	Coolant System AD
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■ CBT (BT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VD020	30	CBT30 – SFH1/8–2.36	0.125	0.394	0.629	2.362	0.354	–
VD022		CBT30 – SFH3/16–2.36	0.188	0.394	0.629	2.362	0.472	–
VD024		CBT30 – SFH1/4–2.36	0.250	0.827	1.062	2.362	1.417	M5x0.8mm
VD026		CBT30 – SFH3/8–2.36	0.375	0.945	1.180	2.362	1.654	M8x1.0mm
VD028		CBT30 – SFH1/2–3.15	0.500	0.945	1.260	3.150	1.850	M10x1.0mm
VD030		CBT30 – SFH5/8–3.15	0.625	1.063	1.339	3.150	1.969	M12x1.0mm
VD032		CBT30 – SFH3/4–3.54	0.750	1.299	1.654	3.543	2.047	M16x1.0mm
VE020		40	CBT40 – SFH1/8–3.54	0.125	0.394	0.748	3.543	0.354
VE022	CBT40 – SFH3/16–3.54		0.188	0.394	0.748	3.543	0.472	–
VE024	CBT40 – SFH1/4–3.54		0.250	0.827	1.063	3.543	1.417	M5x0.8mm
VE026	CBT40 – SFH1/4–6.30		0.250	0.827	1.063	6.299	1.417	M5x0.8mm
VE028	CBT40 – SFH3/8–3.54		0.375	0.945	1.260	3.543	1.654	M8x1.0mm
VE030	CBT40 – SFH3/8–6.30		0.375	0.945	1.260	6.299	1.654	M8x1.0mm
VE032	CBT40 – SFH1/2–3.54		0.500	0.945	1.260	3.543	1.850	M10x1.0mm
VE034	CBT40 – SFH1/2–6.30		0.500	0.945	1.260	6.299	1.850	M10x1.0mm
VE036	CBT40 – SFH5/8–3.54		0.625	1.063	1.339	3.543	1.969	M12x1.0mm
VE038	CBT40 – SFH5/8–6.30		0.625	1.063	1.339	6.299	1.969	M12x1.0mm
VE040	CBT40 – SFH3/4–3.54		0.750	1.299	1.654	3.543	2.047	M16x1.0mm
VE042	CBT40 – SFH3/4–6.30		0.750	1.299	1.654	6.299	2.047	M16x1.0mm
VE044	CBT40 – SFH1–3.94		1.000	1.732	2.087	3.937	2.283	M16x1.0mm
VE046	CBT40 – SFH1–6.30		1.000	1.732	2.087	6.299	2.283	M16x1.0mm

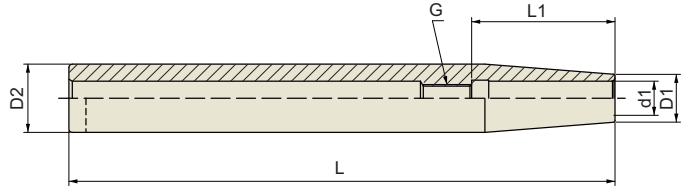


DIN 69893 - HSK	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Run-Out (at LD) ≤0.00012"	Coolant System AD
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■ DIN 69893/ISO 12164-1-HSK FORM A

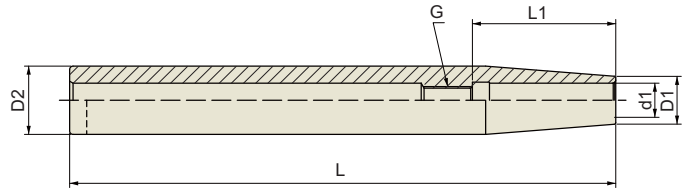
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VQ020	63A	HSK63A – SFH1/8–3.15	0.125	0.394	0.728	3.150	0.354	–
VQ022		HSK63A – SFH3/16–3.15	0.188	0.394	0.728	3.150	0.472	–
VQ024		HSK63A – SFH1/4–3.15	0.250	0.827	1.063	3.150	1.417	M5x0.8mm
VQ026		HSK63A – SFH1/4–6.30	0.250	0.827	1.063	6.299	1.417	M5x0.8mm
VQ028		HSK63A – SFH3/8–3.35	0.375	0.945	1.260	3.346	1.654	M8x1.0mm
VQ030		HSK63A – SFH3/8–6.30	0.375	0.945	1.260	6.299	1.654	M8x1.0mm
VQ032		HSK63A – SFH1/2–3.54	0.500	0.945	1.260	3.543	1.850	M10x1.0mm
VQ034		HSK63A – SFH1/2–6.30	0.500	0.945	1.260	6.299	1.850	M10x1.0mm
VQ036		HSK63A – SFH5/8–3.74	0.625	1.063	1.339	3.740	1.969	M12x1.0mm
VQ038		HSK63A – SFH5/8–6.30	0.625	1.063	1.339	6.299	1.969	M12x1.0mm
VQ040		HSK63A – SFH3/4–3.94	0.750	1.299	1.654	3.937	2.047	M16x1.0mm
VQ042		HSK63A – SFH3/4–6.30	0.750	1.299	1.654	6.299	2.047	M16x1.0mm
VQ046		HSK63A – SFH1–4.53	1.000	1.732	2.087	4.528	2.283	M16x1.0mm
VQ048		HSK63A – SFH1–6.30	1.000	1.732	2.087	6.299	2.283	M16x1.0mm
VR020	100A	HSK100A – SFH1/8–3.15	0.125	0.394	0.648	3.150	0.354	–
VR022		HSK100A – SFH3/16–3.15	0.188	0.394	0.648	3.150	0.472	–
VR023		HSK100A – SFH1/4–3.15	0.250	0.827	1.063	3.150	1.417	M5x0.8mm
VR024		HSK100A – SFH3/8–3.54	0.375	0.945	1.260	3.543	1.654	M8x1.0mm
VR026		HSK100A – SFH3/8–6.30	0.375	0.945	1.260	6.299	1.654	M8x1.0mm
VR028		HSK100A – SFH1/2–3.74	0.500	0.945	1.260	3.740	1.850	M10x1.0mm
VR030		HSK100A – SFH1/2–6.30	0.500	0.945	1.260	6.299	1.850	M10x1.0mm
VR032		HSK100A – SFH5/8–3.94	0.625	1.063	1.339	3.937	1.969	M12x1.0mm
VR034		HSK100A – SFH5/8–6.30	0.625	1.063	1.339	6.299	1.969	M12x1.0mm
VR036		HSK100A – SFH3/4–4.13	0.750	1.299	1.654	4.134	2.047	M16x1.0mm
VR038		HSK100A – SFH3/4–6.30	0.750	1.299	1.654	6.299	2.047	M16x1.0mm
VR040		HSK100A – SFH1–4.53	1.000	1.732	2.087	4.528	2.283	M16x1.0mm
VR042		HSK100A – SFH1–6.30	1.000	1.732	2.087	6.299	2.283	M16x1.0mm
VR044		HSK100A – SFH1–1/4–4.72	1.250	1.732	2.087	4.724	2.283	M16x1.0mm
VR046		HSK100A – SFH1–1/4–6.30	1.250	1.732	2.087	6.299	2.283	M16x1.0mm


INCH

Unit : inch

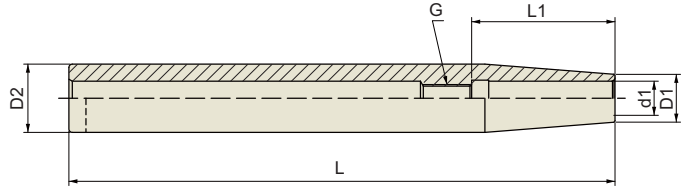
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	G
VS010	ST1/2	ST1/2 – SFH1/8–6.30	0.125	0.394	0.500	6.299	0.354	–
VS011		ST1/2 – SFH3/16–6.30	0.188	0.394	0.500	6.299	0.472	–
VS012		ST1/2 – SFH1/4–6.30	0.250	0.394	0.500	6.299	1.417	M5x0.8mm
VS020	ST5/8	ST5/8 – SFH1/8–6.30	0.125	0.394	0.625	6.299	0.354	–
VS021		ST5/8 – SFH3/16–6.30	0.188	0.394	0.625	6.299	0.472	–
VS022		ST5/8 – SFH1/4–6.30	0.250	0.394	0.625	6.299	1.417	M5x0.8mm
VS023		ST5/8 – SFH5/16–6.30	0.313	0.472	0.625	6.299	1.535	M6x0.8mm
VS030	ST3/4	ST3/4 – SFH1/8–6.30	0.125	0.394	0.750	6.299	0.354	–
VS031		ST3/4 – SFH3/16–6.30	0.188	0.394	0.750	6.299	0.472	–
VS032		ST3/4 – SFH1/4–6.30	0.250	0.551	0.750	6.299	1.417	M5x0.8mm
VS033		ST3/4 – SFH5/16–6.30	0.313	0.551	0.750	6.299	1.535	M6x1.0mm
VS034		ST3/4 – SFH3/8–6.30	0.375	0.551	0.750	6.299	1.654	M8x1.0mm
VS035		ST3/4 – SFH1/2–6.30	0.500	0.630	0.750	6.299	1.850	M10x1.0mm
VS040	ST1	ST1 – SFH1/8–6.30	0.125	0.394	1.000	6.299	0.354	–
VS041		ST1 – SFH3/16–6.30	0.188	0.394	1.000	6.299	0.472	–
VS042		ST1 – SFH1/4–6.30	0.250	0.551	1.000	6.299	1.417	M6x1.0mm
VS043		ST1 – SFH5/16–6.30	0.313	0.551	1.000	6.299	1.535	M6x1.0mm
VS044		ST1 – SFH3/8–6.30	0.375	0.787	1.000	6.299	1.654	M8x1.0mm
VS045		ST1 – SFH1/2–6.30	0.500	0.787	1.000	6.299	1.850	M10x1.0mm
VS046		ST1 – SFH5/8–6.30	0.625	0.866	1.000	6.299	1.969	M12x1.0mm
VS050	ST1–1/4	ST1–1/4 – SFH1/8–6.30	0.125	0.394	1.250	6.299	0.354	–
VS051		ST1–1/4 – SFH3/16–6.30	0.188	0.394	1.250	6.299	0.472	–
VS052		ST1–1/4 – SFH1/4–6.30	0.250	0.551	1.250	6.299	1.417	M5x0.8mm
VS053		ST1–1/4 – SFH5/16–6.30	0.313	0.551	1.250	6.299	1.535	M6x1.0mm
VS054		ST1–1/4 – SFH3/8–6.30	0.375	0.945	1.250	6.299	1.654	M8x1.0mm
VS055		ST1–1/4 – SFH1/2–6.30	0.500	0.945	1.250	6.299	1.850	M10x1.0mm
VS056		ST1–1/4 – SFH5/8–6.30	0.625	1.063	1.250	6.299	1.969	M12x1.0mm
VS057		ST1–1/4 – SFH3/4–6.30	0.750	1.063	1.250	6.299	2.047	M16x1.0mm



■ METRIC(STANDARD)

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	G
VS010M	12	ST12-SFH3-120	3	8	12	120	10	-
VS011M		ST12-SFH4-120	4	8	12	120	12	-
VS012M		ST12-SFH5-120	5	10	12	120	15	-
VS013M		ST12-SFH6-120	6	10	12	120	36	M5×0.8mm
VS020M	16	ST16-SFH3-120	3	10	16	120	10	-
VS021M		ST16-SFH4-120	4	10	16	120	12	-
VS022M		ST16-SFH5-120	5	10	16	120	15	-
VS023M		ST16-SFH6-120	6	10	16	120	36	M5×0.8mm
VS024M		ST16-SFH8-120	8	12	16	120	36	M6×1.0mm
VS030M	20	ST20-SFH3-120	3	10	20	120	10	-
VS031M		ST20-SFH4-120	4	10	20	120	12	-
VS032M		ST20-SFH5-120	5	10	20	120	15	-
VS033M		ST20-SFH6-120	6	10	20	120	36	M5×0.8mm
VS034M		ST20-SFH8-120	8	12	20	120	36	M6×1.0mm
VS035M		ST20-SFH10-120	10	14	20	120	43	M8×1.0mm
VS036M		ST20-SFH12-120	12	16	20	120	48	M10×1.0mm



■ METRIC(EXTENDED)

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	G
VS110M	12	ST12-SFH3-160	3	8	12	160	10	-
VS111M		ST12-SFH4-160	4	8	12	160	12	-
VS112M		ST12-SFH5-160	5	10	12	160	15	-
VS113M		ST12-SFH6-160	6	10	12	160	36	M5×0.8mm
VS210M	16	ST16-SFH3-160	3	10	16	160	10	-
VS211M		ST16-SFH4-160	4	10	16	160	12	-
VS212M		ST16-SFH5-160	5	10	16	160	15	-
VS213M		ST16-SFH6-160	6	10	16	160	36	M5×0.8mm
VS214M		ST16-SFH8-160	8	12	16	160	36	M6×1.0mm
VS310M	20	ST20-SFH3-160	3	10	20	160	10	-
VS311M		ST20-SFH4-160	4	10	20	160	12	-
VS312M		ST20-SFH5-160	5	10	20	160	15	-
VS313M		ST20-SFH6-160	6	10	20	160	36	M5×0.8mm
VS314M		ST20-SFH8-160	8	12	20	160	36	M6×1.0mm
VS315M		ST20-SFH10-160	10	14	20	160	43	M8×1.0mm
VS316M		ST20-SFH12-160	12	16	20	160	48	M10×1.0mm
VS410M	25	ST25-SFH3-160	3	10	25	160	10	-
VS411M		ST25-SFH4-160	4	10	25	160	12	-
VS412M		ST25-SFH5-160	5	15	25	160	15	-
VS413M		ST25-SFH6-160	6	20	25	160	36	M5×0.8mm
VS414M		ST25-SFH8-160	8	20	25	160	36	M6×1.0mm
VS415M		ST25-SFH10-160	10	20	25	160	43	M8×1.0mm
VS416M		ST25-SFH12-160	12	20	25	160	48	M10×1.0mm
VS417M		ST25-SFH14-160	14	20	25	160	48	M10×1.0mm
VS418M		ST25-SFH16-160	16	22	25	160	51	M12×1.0mm
VS510M	32	ST32-SFH6-160	6	20	32	160	36	M5×0.8mm
VS511M		ST32-SFH8-160	8	20	32	160	36	M6×1.0mm
VS512M		ST32-SFH10-160	10	24	32	160	43	M8×1.0mm
VS513M		ST32-SFH12-160	12	24	32	160	48	M10×1.0mm
VS514M		ST32-SFH14-160	14	27	32	160	48	M10×1.0mm
VS515M		ST32-SFH16-160	16	27	32	160	51	M12×1.0mm
VS516M		ST32-SFH18-160	18	27	32	160	51	M12×1.0mm
VS517M		ST32-SFH20-160	20	27	32	160	53	M16×1.0mm

Rotary Tooling

THE WORLD LEADER IN
THE TOOL HOLDER
INDUSTRY

- HYDRAULIC CHUCK
- SHRINK FIT HOLDER
- END MILL HOLDER & SIDE LOCK ARBOR
- ER COLLET CHUCK
- SK SLIM CHUCK
- TG COLLET CHUCK
- MILLING CHUCK
- MORSE TAPER ADAPTER
- TAPPING CHUCK
- SHELL MILL ARBOR
- NC DRILL CHUCK
- JACOBS TAPER ARBOR
- STUB ARBOR
- SLITTING SAW ARBOR
- PULL STUD & TOOL CLAMP



YG-1 CO., LTD.



ROTARY TOOLING

END MILL HOLDER & SIDE LOCK ARBOR



END MILL HOLDER

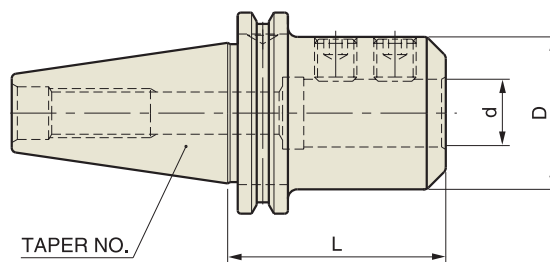
- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403

DUAL CONTACT SIDE LOCK ARBOR

- CCT : CAT DUAL CONTACT
- CBT : BT DUAL CONTACT

DUAL CONTACT END MILL HOLDER

- HSK : DIN 69893/ISO 12164-1
SPRAY NOZZLE TYPE



■ ASME B5.50-2009-CAT

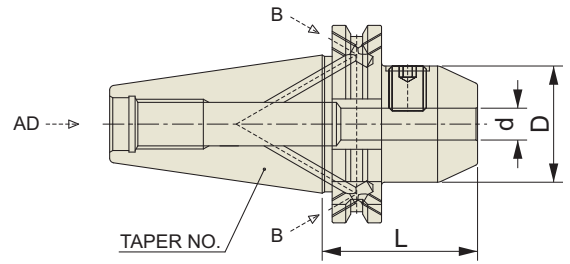
ASME B5.50 - CAT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD
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■ STUB

EDP No.	TAPER No.	MODEL No.	d	D	L
AK206	40	CAT40 - EMH 1/2 - 1.75	0.500	1.25	1.75
AK208		CAT40 - EMH 5/8 - 1.75	0.625	1.50	1.75
AK210		CAT40 - EMH 3/4 - 1.75	0.750	1.75	1.75
AK214		CAT40 - EMH 1" - 1.75	1.000	1.75	1.75
AK217		CAT40 - EMH 1 1/4 - 2.00	1.250	2.25	2.00

* HIGH BALANCED END MILL HOLDERS ON PAGE 46~47.

* SET SCREWS FOR END MILL HOLDERS ON PAGE 55.



End Mill Holder & Side Lock Arbor

■ ASME B5.50-2009-CAT

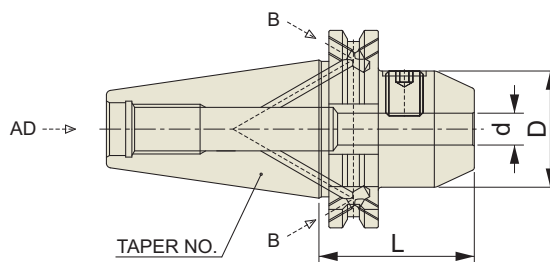
ASME B5.50 - CAT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD/B
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■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L	
AK000B	40	CAT40 AD/B – EMH 1/8 – 2.50	0.125	0.69	2.50	
AK001B		CAT40 AD/B – EMH 3/16 – 2.50	0.187	0.69	2.50	
AK002B		CAT40 AD/B – EMH 1/4 – 2.50	0.250	0.78	2.50	
AK003B		CAT40 AD/B – EMH 5/16 – 2.50	0.312	0.88	2.50	
AK004B		CAT40 AD/B – EMH 3/8 – 2.50	0.375	1.00	2.50	
AK005B		CAT40 AD/B – EMH 7/16 – 2.50	0.437	1.13	2.50	
AK006B		CAT40 AD/B – EMH 1/2 – 2.63	0.500	1.25	2.63	
AK008B		CAT40 AD/B – EMH 5/8 – 3.75	0.625	1.50	3.75	
AK010B		CAT40 AD/B – EMH 3/4 – 3.75	0.750	1.75	3.75	
AK012B		CAT40 AD/B – EMH 7/8 – 4.00	0.875	1.88	4.00	
AK014B		CAT40 AD/B – EMH 1" – 4.00	1.000	2.00	4.00	
AK017B		CAT40 AD/B – EMH 1 1/4 – 4.25	1.250	2.50	4.25	
AK021B		CAT40 AD/B – EMH 1 1/2 – 4.63	1.500	2.50	4.63	
AL002B		50	CAT50 AD/B – EMH 1/4 – 2.50	0.250	0.78	2.50
AL003B			CAT50 AD/B – EMH 5/16 – 2.50	0.312	0.88	2.50
AL004B			CAT50 AD/B – EMH 3/8 – 2.50	0.375	1.00	2.50
AL005B	CAT50 AD/B – EMH 7/16 – 2.63		0.437	1.13	2.63	
AL006B	CAT50 AD/B – EMH 1/2 – 2.63		0.500	1.25	2.63	
AL008B	CAT50 AD/B – EMH 5/8 – 3.75		0.625	1.50	3.75	
AL010B	CAT50 AD/B – EMH 3/4 – 3.75		0.750	1.75	3.75	
AL012B	CAT50 AD/B – EMH 7/8 – 3.75		0.875	1.88	3.75	
AL014B	CAT50 AD/B – EMH 1" – 4.00		1.000	2.00	4.00	
AL017B	CAT50 AD/B – EMH 1 1/4 – 4.00		1.250	2.50	4.00	
AL021B	CAT50 AD/B – EMH 1 1/2 – 4.00		1.500	2.50	4.00	
AL029B	CAT50 AD/B – EMH 2" – 5.63		2.000	3.75	5.63	

* HIGH BALANCED END MILL HOLDERS ARE AVAILABLE ON REQUEST
 * SET SCREWS FOR END MILL HOLDERS ON PAGE 55.



■ ASME B5.50-2009-CAT

ASME B5.50 - CAT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD/B
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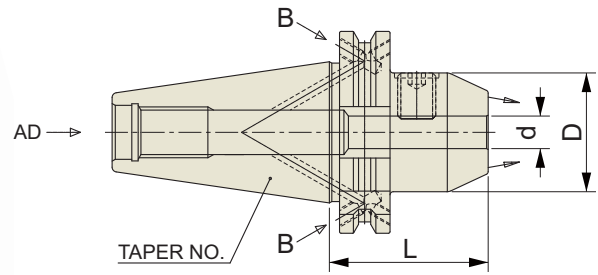
■ EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L
AK104B	40	CAT40 AD/B – EMH 3/8 – 4.50	0.375	1.00	4.50
AK106B		CAT40 AD/B – EMH 1/2 – 4.63	0.500	1.25	4.63
AK108B		CAT40 AD/B – EMH 5/8 – 5.75	0.625	1.50	5.75
AK110B		CAT40 AD/B – EMH 3/4 – 5.75	0.750	1.75	5.75
AK112B		CAT40 AD/B – EMH 7/8 – 6.00	0.875	1.88	6.00
AK114B		CAT40 AD/B – EMH 1" – 6.00	1.000	2.00	6.00
AK117B		CAT40 AD/B – EMH 1 1/4 – 6.25	1.250	2.50	6.25
AK121B		CAT40 AD/B – EMH 1 1/2 – 6.63	1.500	2.50	6.63
AL104B		50	CAT50 AD/B – EMH 3/8 – 4.50	0.375	1.00
AL106B	CAT50 AD/B – EMH 1/2 – 4.63		0.500	1.25	4.63
AL108B	CAT50 AD/B – EMH 5/8 – 5.75		0.625	1.50	5.75
AL110B	CAT50 AD/B – EMH 3/4 – 5.75		0.750	1.75	5.75
AL112B	CAT50 AD/B – EMH 7/8 – 5.75		0.875	1.88	5.75
AL114B	CAT50 AD/B – EMH 1" – 6.00		1.000	2.00	6.00
AL117B	CAT50 AD/B – EMH 1 1/4 – 6.00		1.250	2.50	6.00
AL121B	CAT50 AD/B – EMH 1 1/2 – 6.00		1.500	2.50	6.00
AL129B	CAT50 AD/B – EMH 2" – 7.63		2.000	3.75	7.63

* HIGH BALANCED END MILL HOLDERS ARE AVAILABLE ON REQUEST

* SET SCREWS FOR END MILL HOLDERS ON PAGE 55.



End Mill Holder & Side Lock Arbor

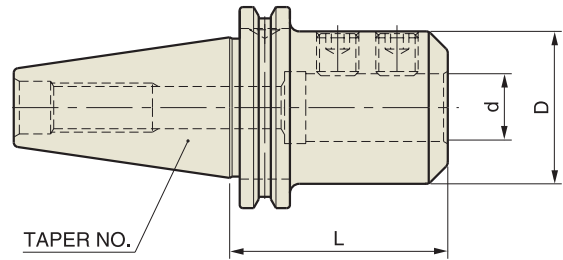
ASME B5.50 - CAT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD/B+C
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■ ASME B5.50-2009-CAT

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L
AK002C	40	CAT40AD/B - EMH 1/4C-1.97	0.250	0.780	1.969
AK003C		CAT40AD/B - EMH 5/16C-1.97	0.313	0.880	1.969
AK004C		CAT40AD/B - EMH 3/8C-1.97	0.375	1.000	1.969
AK005C		CAT40AD/B - EMH 1/2C-1.97	0.500	1.250	1.969
AK008C		CAT40AD/B - EMH 5/8C-2.48	0.625	1.500	2.480
AK010C		CAT40AD/B - EMH 3/4C-2.48	0.750	1.750	2.480
AK012C		CAT40AD/B - EMH 1C-3.94	1.000	2.000	3.937
AK017C		CAT40AD/B - EMH 1 1/4C-3.94	1.250	2.500	3.937
AL002C		50	CAT50AD/B - EMH 1/4C-2.48	0.250	0.780
AL003C	CAT50AD/B - EMH 5/16C-2.48		0.313	0.880	2.480
AL004C	CAT50AD/B - EMH 3/8C-2.48		0.375	1.000	2.480
AL005C	CAT50AD/B - EMH 1/2C-2.48		0.500	1.250	2.480
AL008C	CAT50AD/B - EMH 5/8C-2.48		0.625	1.500	2.480
AL010C	CAT50AD/B - EMH 3/4C-2.48		0.750	1.750	2.480
AL012C	CAT50AD/B - EMH 1C-3.15		1.000	2.000	3.150
AL017C	CAT50AD/B - EMH 1 1/4C-3.94		1.250	2.500	3.937

- * HIGH BALANCED END MILL HOLDERS ARE AVAILABLE ON REQUEST
- * SET SCREWS FOR END MILL HOLDERS ON PAGE 55.



■ ASME B5.50-2009-CAT

ASME B5.50 - CAT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Coolant System AD
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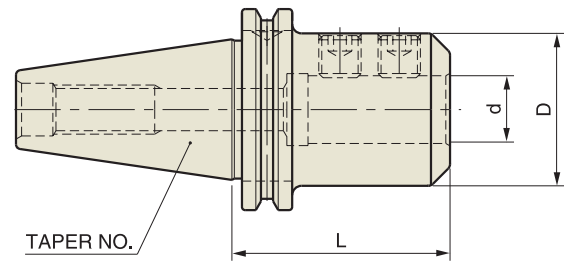
■ STUB

EDP No.	TAPER No.	MODEL No.	d	D	L
AK206B25	40	CAT40 – EMH 1/2 – 1.75	0.500	1.25	1.75
AK208B25		CAT40 – EMH 5/8 – 1.75	0.625	1.50	1.75
AK210B25		CAT40 – EMH 3/4 – 1.75	0.750	1.75	1.75
AK214B25		CAT40 – EMH 1" – 1.75	1.000	1.75	1.75
AK217B25		CAT40 – EMH 1 1/4 – 2.00	1.250	2.25	2.00

■ STANDARD

EDP No.	TAPER No.	MODEL No.	d	D	L	
AK000B25	40	CAT40 – EMH 1/8 – 2.50	0.125	0.69	2.50	
AK001B25		CAT40 – EMH 3/16 – 2.50	0.187	0.69	2.50	
AK002B25		CAT40 – EMH 1/4 – 2.50	0.250	0.78	2.50	
AK003B25		CAT40 – EMH 5/16 – 2.50	0.312	0.88	2.50	
AK004B25		CAT40 – EMH 3/8 – 2.50	0.375	1.00	2.50	
AK005B25		CAT40 – EMH 7/16 – 2.50	0.437	1.13	2.50	
AK006B25		CAT40 – EMH 1/2 – 2.63	0.500	1.25	2.63	
AK008B25		CAT40 – EMH 5/8 – 3.75	0.625	1.50	3.75	
AK010B25		CAT40 – EMH 3/4 – 3.75	0.750	1.75	3.75	
AK012B25		CAT40 – EMH 7/8 – 4.00	0.875	1.88	4.00	
AK014B25		CAT40 – EMH 1" – 4.00	1.000	2.00	4.00	
AK017B25		CAT40 – EMH 1 1/4 – 4.25	1.250	2.50	4.25	
AK021B25		CAT40 – EMH 1 1/2 – 4.63	1.500	2.50	4.63	
AL002B25		50	CAT50 – EMH 1/4 – 2.50	0.250	0.78	2.50
AL003B25			CAT50 – EMH 5/16 – 2.50	0.312	0.88	2.50
AL004B25			CAT50 – EMH 3/8 – 2.50	0.375	1.00	2.50
AL005B25			CAT50 – EMH 7/16 – 2.63	0.437	1.13	2.63
AL006B25	CAT50 – EMH 1/2 – 2.63		0.500	1.25	2.63	
AL008B25	CAT50 – EMH 5/8 – 3.75		0.625	1.50	3.75	
AL010B25	CAT50 – EMH 3/4 – 3.75		0.750	1.75	3.75	
AL012B25	CAT50 – EMH 7/8 – 3.75		0.875	1.88	3.75	
AL014B25	CAT50 – EMH 1" – 4.00		1.000	2.00	4.00	
AL017B25	CAT50 – EMH 1 1/4 – 4.00		1.250	2.50	4.00	
AL021B25	CAT50 – EMH 1 1/2 – 4.00		1.500	2.50	4.00	
AL029B25	CAT50 – EMH 2" – 5.63		2.000	3.75	5.63	

* SET SCREWS FOR END MILL HOLDERS ON PAGE 55.



End Mill Holder & Side Lock Arbor

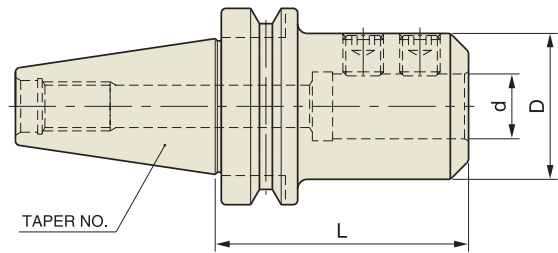
■ ASME B5.50-2009-CAT

ASME B5.50 - CAT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Coolant System AD
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■ EXTENDED

EDP No.	TAPER No.	MODEL No.	d	D	L
AK104B25	40	CAT40 – EMH 3/8 – 4.50	0.375	1.00	4.50
AK106B25		CAT40 – EMH 1/2 – 4.63	0.500	1.25	4.63
AK108B25		CAT40 – EMH 5/8 – 5.75	0.625	1.50	5.75
AK110B25		CAT40 – EMH 3/4 – 5.75	0.750	1.75	5.75
AK112B25		CAT40 – EMH 7/8 – 6.00	0.875	1.88	6.00
AK114B25		CAT40 – EMH 1" – 6.00	1.000	2.00	6.00
AK117B25		CAT40 – EMH 1 1/4 – 6.25	1.250	2.50	6.25
AK121B25		CAT40 – EMH 1 1/2 – 6.63	1.500	2.50	6.63
AL104B25		50	CAT50 – EMH 3/8 – 4.50	0.375	1.00
AL106B25	CAT50 – EMH 1/2 – 4.63		0.500	1.25	4.63
AL108B25	CAT50 – EMH 5/8 – 5.75		0.625	1.50	5.75
AL110B25	CAT50 – EMH 3/4 – 5.75		0.750	1.75	5.75
AL112B25	CAT50 – EMH 7/8 – 5.75		0.875	1.88	5.75
AL114B25	CAT50 – EMH 1" – 6.00		1.000	2.00	6.00
AL117B25	CAT50 – EMH 1 1/4 – 6.00		1.250	2.50	6.00
AL121B25	CAT50 – EMH 1 1/2 – 6.00		1.500	2.50	6.00
AL129B25	CAT50 – EMH 2" – 7.63		2.000	3.75	7.63

* SET SCREWS FOR END MILL HOLDERS ON PAGE 55.



JIS B6339 - BT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD
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■ JIS B6339/MAS 403-BT

■ STUB

EDP No.	TAPER No.	MODEL No.	d	D	L
AH206	40	BT40 - EMH 1/2 - 1.25	0.500	1.25	1.25
AH208		BT40 - EMH 5/8 - 1.38	0.625	1.50	1.38
AH210		BT40 - EMH 3/4 - 1.44	0.750	1.75	1.44
AH214		BT40 - EMH 1" - 2.50	1.000	2.00	2.50
AH217		BT40 - EMH 1 1/4 - 2.50	1.250	2.50	2.50

■ STANDARD

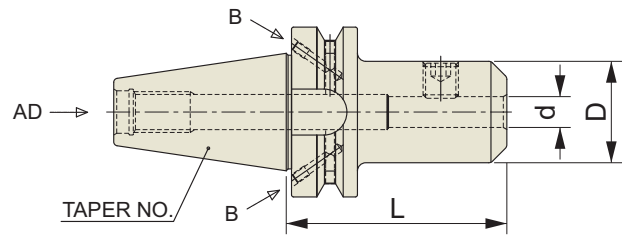
EDP No.	TAPER No.	MODEL No.	d	D	L
AI002	50	BT50 - EMH 1/4 - 3.00	0.250	0.78	3.00
AI004		BT50 - EMH 3/8 - 3.00	0.375	1.00	3.00
AI006		BT50 - EMH 1/2 - 3.00	0.500	1.25	3.00
AI008		BT50 - EMH 5/8 - 3.00	0.625	1.50	3.00
AI010		BT50 - EMH 3/4 - 3.00	0.750	1.75	3.00
AI012		BT50 - EMH 7/8 - 4.00	0.875	1.88	4.00
AI014		BT50 - EMH 1" - 4.25	1.000	2.00	4.25
AI017		BT50 - EMH 1 1/4 - 4.25	1.250	2.50	4.25
AI021		BT50 - EMH 1 1/2 - 4.25	1.500	2.50	4.25
AI029		BT50 - EMH 2" - 5.00	2.000	3.75	5.00

■ EXTENDED

EDP No.	TAPER No.	MODEL No.	d	D	L
AI104	50	BT50 - EMH 3/8 - 6.00	0.375	1.00	6.00
AI106		BT50 - EMH 1/2 - 6.00	0.500	1.25	6.00
AI108		BT50 - EMH 5/8 - 6.00	0.625	1.50	6.00
AI110		BT50 - EMH 3/4 - 6.00	0.750	1.75	6.00
AI112		BT50 - EMH 7/8 - 6.00	0.875	1.88	6.00
AI114		BT50 - EMH 1" - 6.00	1.000	2.00	6.00
AI117		BT50 - EMH 1 1/4 - 6.00	1.250	2.50	6.00
AI121		BT50 - EMH 1 1/2 - 6.00	1.500	2.50	6.00
AI129		BT50 - EMH 2" - 6.00	2.000	3.75	6.00

* HIGH BALANCED END MILL HOLDERS ON PAGE 51~52.

* SET SCREWS FOR END MILL HOLDERS ON PAGE 55.



End Mill Holder & Side Lock Arbor

■ JIS B6339/MAS 403-BT

JIS B6339 - BT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD/B
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■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L
AH000B	40	BT40 AD/B – EMH 1/8 – 2.50	0.125	0.69	2.50
AH001B		BT40 AD/B – EMH 3/16 – 2.50	0.187	0.69	2.50
AH002B		BT40 AD/B – EMH 1/4 – 2.50	0.250	0.78	2.50
AH003B		BT40 AD/B – EMH 5/16 – 2.50	0.312	0.88	2.50
AH004B		BT40 AD/B – EMH 3/8 – 2.50	0.375	1.00	2.50
AH005B		BT40 AD/B – EMH 7/16 – 2.50	0.437	1.13	2.50
AH006B		BT40 AD/B – EMH 1/2 – 2.50	0.500	1.25	2.50
AH008B		BT40 AD/B – EMH 5/8 – 2.50	0.625	1.50	2.50
AH010B		BT40 AD/B – EMH 3/4 – 2.50	0.750	1.75	2.50
AH012B		BT40 AD/B – EMH 7/8 – 3.50	0.875	1.88	3.50
AH014B		BT40 AD/B – EMH 1" – 3.75	1.000	2.00	3.75
AH017B		BT40 AD/B – EMH 1 1/4 – 3.75	1.250	2.50	3.75
AH021B		BT40 AD/B – EMH 1 1/2 – 4.25	1.500	2.50	4.25

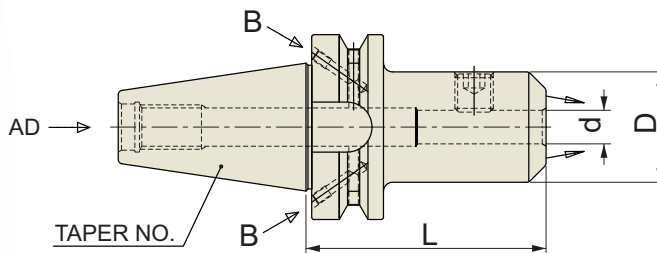
■ EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L
AH104B	40	BT40 AD/B – EMH 3/8 – 4.00	0.375	1.00	4.00
AH106B		BT40 AD/B – EMH 1/2 – 4.00	0.500	1.25	4.00
AH108B		BT40 AD/B – EMH 5/8 – 4.00	0.625	1.50	4.00
AH110B		BT40 AD/B – EMH 3/4 – 4.00	0.750	1.75	4.00
AH114B		BT40 AD/B – EMH 1" – 5.00	1.000	2.00	5.00
AH117B		BT40 AD/B – EMH 1 1/4 – 5.00	1.250	2.50	5.00
AH121B		BT40 AD/B – EMH 1 1/2 – 6.00	1.500	2.50	6.00

* HIGH BALANCED END MILL HOLDERS ARE AVAILABLE ON REQUEST

* SET SCREWS FOR END MILL HOLDERS ON PAGE 55.



JIS B6339 - BT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD/B+C
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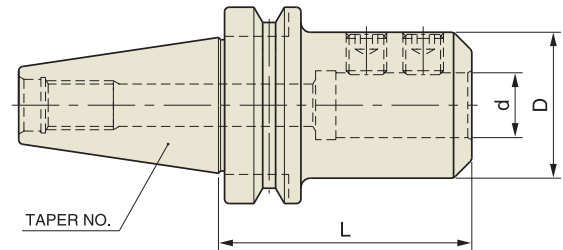
■ JIS B6339/MAS 403-BT

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L
AH002C	40	BT40AD/B - EMH 1/4C-1.97	0.250	0.780	1.969
AH003C		BT40AD/B - EMH 5/16C-1.97	0.313	0.880	1.969
AH004C		BT40AD/B - EMH 3/8C-2.48	0.375	1.000	2.480
AH006C		BT40AD/B - EMH 1/2C-2.48	0.500	1.250	2.480
AH008C		BT40AD/B - EMH 5/8C-2.48	0.625	1.500	2.480
AH010C		BT40AD/B - EMH 3/4C-2.48	0.750	1.750	2.480
AH012C		BT40AD/B - EMH 1C-3.54	1.000	2.000	3.543
AH014C		BT40AD/B - EMH 1 1/4-3.94	1.250	2.500	3.937

* HIGH BALANCED END MILL HOLDERS ARE AVAILABLE ON REQUEST

* SET SCREWS FOR END MILL HOLDERS ON PAGE 55.



End Mill Holder & Side Lock Arbor

■ JIS B6339/MAS 403-BT

JIS B6339 - BT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Coolant System AD
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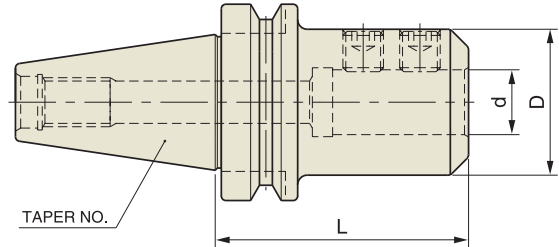
■ STUB

EDP No.	TAPER No.	MODEL No.	d	D	L
AH206B25	40	BT40 – EMH 1/2 – 1.25	0.500	1.25	1.25
AH208B25		BT40 – EMH 5/8 – 1.38	0.625	1.50	1.38
AH210B25		BT40 – EMH 3/4 – 1.44	0.750	1.75	1.44
AH214B25		BT40 – EMH 1" – 2.50	1.000	2.00	2.50
AH217B25		BT40 – EMH 1 1/4 – 2.50	1.250	2.50	2.50

■ STANDARD

EDP No.	TAPER No.	MODEL No.	d	D	L
AH000B25	40	BT40 – EMH 1/8 – 2.50	0.125	0.69	2.50
AH001B25		BT40 – EMH 3/16 – 2.50	0.187	0.69	2.50
AH002B25		BT40 – EMH 1/4 – 2.50	0.250	0.78	2.50
AH003B25		BT40 – EMH 5/16 – 2.50	0.312	0.88	2.50
AH004B25		BT40 – EMH 3/8 – 2.50	0.375	1.00	2.50
AH005B25		BT40 – EMH 7/16 – 2.50	0.437	1.13	2.50
AH006B25		BT40 – EMH 1/2 – 2.50	0.500	1.25	2.50
AH008B25		BT40 – EMH 5/8 – 2.50	0.625	1.50	2.50
AH010B25		BT40 – EMH 3/4 – 2.50	0.750	1.75	2.50
AH012B25		BT40 – EMH 7/8 – 3.50	0.875	1.88	3.50
AH014B25		BT40 – EMH 1" – 3.75	1.000	2.00	3.75
AH017B25		BT40 – EMH 1 1/4 – 3.75	1.250	2.50	3.75
AH021B25		BT40 – EMH 1 1/2 – 4.25	1.500	2.50	4.25
AI002B25		50	BT50 – EMH 1/4 – 3.00	0.250	0.78
AI004B25	BT50 – EMH 3/8 – 3.00		0.375	1.00	3.00
AI006B25	BT50 – EMH 1/2 – 3.00		0.500	1.25	3.00
AI008B25	BT50 – EMH 5/8 – 3.00		0.625	1.50	3.00
AI010B25	BT50 – EMH 3/4 – 3.00		0.750	1.75	3.00
AI012B25	BT50 – EMH 7/8 – 4.00		0.875	1.88	4.00
AI014B25	BT50 – EMH 1" – 4.25		1.000	2.00	4.25
AI017B25	BT50 – EMH 1 1/4 – 4.25		1.250	2.50	4.25
AI021B25	BT50 – EMH 1 1/2 – 4.25		1.500	2.50	4.25
AI029B25	BT50 – EMH 2" – 5.00		2.000	3.75	5.00

* SET SCREWS FOR END MILL HOLDERS ON PAGE 55.



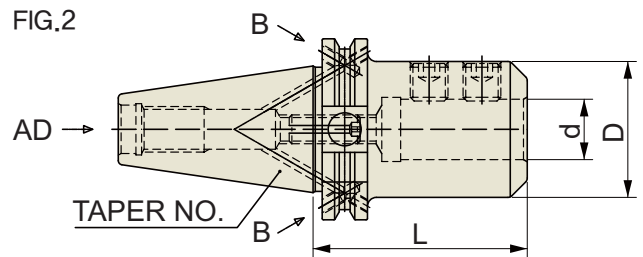
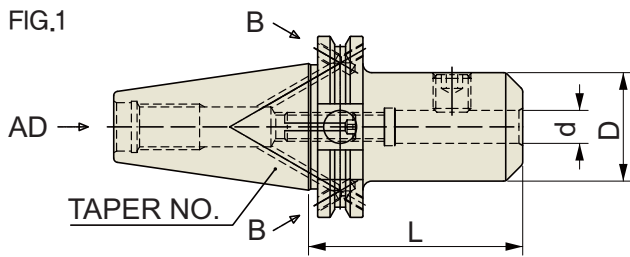
JIS B6339 - BT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Coolant System AD
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■ JIS B6339/MAS 403-BT

■ EXTENDED

EDP No.	TAPER No.	MODEL No.	d	D	L
AH104B25	40	BT40 - EMH 3/8 - 4.00	0.375	1.00	4.00
AH106B25		BT40 - EMH 1/2 - 4.00	0.500	1.25	4.00
AH108B25		BT40 - EMH 5/8 - 4.00	0.625	1.50	4.00
AH110B25		BT40 - EMH 3/4 - 4.00	0.750	1.75	4.00
AH114B25		BT40 - EMH 1" - 5.00	1.000	2.00	5.00
AH117B25		BT40 - EMH 1 1/4 - 5.00	1.250	2.50	5.00
AH121B25		BT40 - EMH 1 1/2 - 6.00	1.500	2.50	6.00
AI104B25	50	BT50 - EMH 3/8 - 6.00	0.375	1.00	6.00
AI106B25		BT50 - EMH 1/2 - 6.00	0.500	1.25	6.00
AI108B25		BT50 - EMH 5/8 - 6.00	0.625	1.50	6.00
AI110B25		BT50 - EMH 3/4 - 6.00	0.750	1.75	6.00
AI112B25		BT50 - EMH 7/8 - 6.00	0.875	1.88	6.00
AI114B25		BT50 - EMH 1" - 6.00	1.000	2.00	6.00
AI117B25		BT50 - EMH 1 1/4 - 6.00	1.250	2.50	6.00
AI121B25		BT50 - EMH 1 1/2 - 6.00	1.500	2.50	6.00
AI129B25		BT50 - EMH 2" - 6.00	2.000	3.75	6.00

* SET SCREWS FOR END MILL HOLDERS ON PAGE 55.



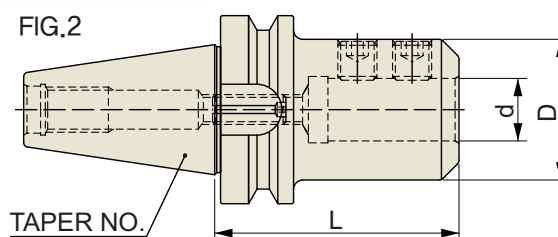
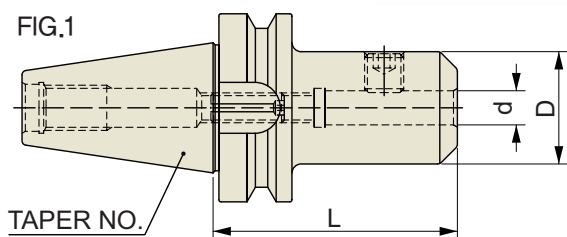
CCT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Coolant System AD/B
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■ CCT (CAT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L	FIG
AB020	40	CCT40 AD/B - SLA1/4-2.36	0.250	0.780	2.362	1
AB022		CCT40 AD/B - SLA5/16-2.36	0.313	0.880	2.362	
AB024		CCT40 AD/B - SLA3/8-2.36	0.375	1.000	2.362	
AB026		CCT40 AD/B - SLA1/2-2.36	0.500	1.250	2.362	
AB028		CCT40 AD/B - SLA5/8-3.54	0.625	1.500	3.543	
AB030		CCT40 AD/B - SLA3/4-3.54	0.750	1.750	3.543	
AB032		CCT40 AD/B - SLA1-3.54	1.000	2.000	3.543	
AB034		CCT40 AD/B - SLA1-1/4-3.54	1.250	2.500	3.543	
AC020	50	CCT50 AD/B - SLA1/4-3.54	0.250	0.780	3.543	1
AC022		CCT50 AD/B - SLA5/16-3.54	0.313	0.880	3.543	
AC024		CCT50 AD/B - SLA3/8-3.54	0.375	1.000	3.543	
AC026		CCT50 AD/B - SLA1/2-3.54	0.500	1.250	3.543	
AC028		CCT50 AD/B - SLA5/8-4.13	0.625	1.500	4.134	
AC030		CCT50 AD/B - SLA3/4-4.13	0.750	1.750	4.134	
AC032		CCT50 AD/B - SLA1-4.13	1.000	2.000	4.134	
AC034		CCT50 AD/B - SLA1-1/4-4.13	1.250	2.500	4.134	

* SET SCREWS FOR END MILL HOLDERS ON PAGE 55.



CBT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Coolant System AD
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■ CBT (BT DUAL CONTACT)

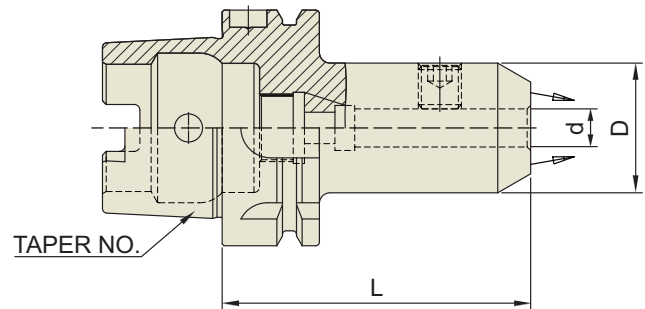
Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L	FIG
AD020	30	CBT30 - SLA1/4-2.36	0.250	0.780	2.362	1
AD022		CBT30 - SLA5/16-2.36	0.313	0.880	2.362	
AD024		CBT30 - SLA3/8-2.36	0.375	1.000	2.362	
DD026		CBT30 - SLA1/2-2.36	0.500	1.250	2.362	
AD028		CBT30 - SLA5/8-2.95	0.625	1.500	2.953	
AD030		CBT30 - SLA3/4-2.95	0.750	1.750	2.953	
AD032		CBT30 - SLA1-2.95	1.000	2.000	2.953	
AE020		40	CBT40 - SLA1/4-2.36	0.250	0.780	
AE022	CBT40 - SLA5/16-2.36		0.313	0.880	2.362	
AE024	CBT40 - SLA3/8-2.36		0.375	1.000	2.362	
AE026	CBT40 - SLA1/2-2.36		0.500	1.250	2.362	
AE028	CBT40 - SLA5/8-3.54		0.625	1.500	3.540	
AE030	CBT40 - SLA3/4-3.54		0.750	1.750	3.540	
AE032	CBT40 - SLA1-3.54		1.000	2.000	3.540	
AE034	CBT40 - SLA1-1/4-3.54		1.250	2.500	3.540	2

* SET SCREWS FOR END MILL HOLDERS ON PAGE 55.

DUAL CONTACT END MILL HOLDER (SPRAY NOZZLE TYPE)

HSK



End Mill Holder & Side Lock Arbor

DIN 69893 - HSK	Taper Accuracy	G Value 2.5	RPM 25,000	Coolant System AD+C
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■ DIN 69893/ISO 12164-1-HSK FORM A

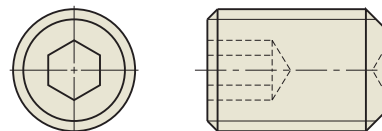
Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L
AQ020C	63A	HSK63A - EMH1/4C-2.56	0.250	0.780	2.559
AQ022C		HSK63A - EMH5/16C-2.56	0.313	0.880	2.559
AQ024C		HSK63A - EMH3/8C-2.56	0.375	1.000	2.559
AQ026C		HSK63A - EMH1/2C-3.15	0.500	1.250	3.150
AQ028C		HSK63A - EMH5/8C-3.15	0.625	1.500	3.150
AQ030C		HSK63A - EMH3/4C-3.15	0.750	1.750	3.150
AQ032C		HSK63A - EMH1C-4.33	1.000	2.000	4.331
AQ034C		HSK63A - EMH1-1/4C-4.33	1.250	2.500	4.331
AR020C		100A	HSK100A - EMH1/4C-3.15	0.250	0.780
AR022C	HSK100A - EMH5/16C-3.15		0.313	0.880	3.150
AR024C	HSK100A - EMH3/8C-3.15		0.375	1.000	3.150
AR026C	HSK100A - EMH1/2C-3.15		0.500	1.250	3.150
AR028C	HSK100A - EMH5/8C-3.94		0.625	1.500	3.937
AR030C	HSK100A - EMH3/4C-3.94		0.750	1.750	3.937
AR032C	HSK100A - EMH1C-3.94		1.000	2.000	3.937
AR034C	HSK100A - EMH1-1/4C-3.94		1.250	2.500	3.937

END MILL HOLDER SCREWS

■ HEXAGON SOCKET SET SCREW (FLAT TYPE)

EDP No.	SCREW	END MILL DIA.
ZZ000	UNC#8-32	1/8
ZZ001	UNF#10-32	3/16
ZZ002	UNF1/4-28	1/4
ZZ003	UNF5/16-24	5/16
ZZ004	UNF3/8-24	3/8
ZZ005	UNF3/8-24	7/16
ZZ006	UNF7/16-20	1/2
ZZ007	UNF1/2-20	5/8
ZZ008	UNF5/8-18	3/4
ZZ009	UNF5/8-18	7/8
ZZ010	UNF3/4-16	1"
ZZ011	UNF3/4-16	1 1/4
ZZ012	UNF3/4-16	1 1/2
ZZ013	UN1"-14	2"



Rotary Tooling

THE WORLD LEADER IN
THE TOOL HOLDER
INDUSTRY

- HYDRAULIC CHUCK
- SHRINK FIT HOLDER
- END MILL HOLDER & SIDE LOCK ARBOR
- ER COLLET CHUCK
- SK SLIM CHUCK
- TG COLLET CHUCK
- MILLING CHUCK
- MORSE TAPER ADAPTER
- TAPPING CHUCK
- SHELL MILL ARBOR
- NC DRILL CHUCK
- JACOBS TAPER ARBOR
- STUB ARBOR
- SLITTING SAW ARBOR
- PULL STUD & TOOL CLAMP



YG-1 CO., LTD.



ROTARY TOOLING

ER COLLET CHUCK



ER COLLET CHUCK

- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403

DUAL CONTACT ER COLLET CHUCK

- HSK : DIN 69893/ISO 12164-1

SHORT & TENSION ER COLLET CHUCK

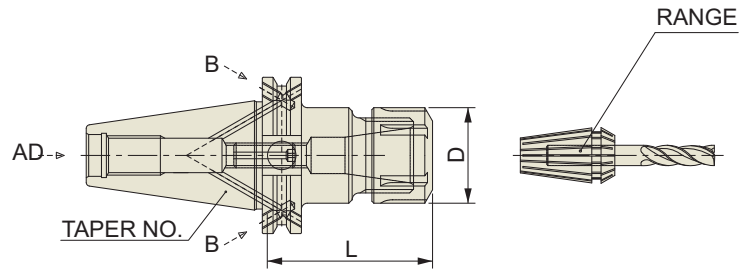
- SHORT
- TENSION (FOR TAPPING)

NC ER COLLET CHUCK

- NC (FOR CNC LATHE)

ACCESSORY & PART

ER NUT / ER WRENCH / ER STOP SCREW / ER COLLET



ER Collet Chuck

ASME B5.50 - CAT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD/B
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■ ASME B5.50-2009-CAT

■ STUB

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BK232B	40	CAT40 AD/B - ER20 - 2.55	0.039-0.511	1.26	2.55	ER20
BK233B		CAT40 AD/B - ER25 - 2.50	0.039-0.629	1.65	2.50	ER25
BK234B		CAT40 AD/B - ER32 - 2.70	0.078-0.787	1.88	2.70	ER32

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BK030B	40	CAT40 AD/B - ER11 - 3.00	0.019-0.275	0.75	3.00	ER11
BK031B		CAT40 AD/B - ER16 - 3.00	0.019-0.393	1.10	3.00	ER16
BK032B		CAT40 AD/B - ER20 - 4.00	0.039-0.511	1.33	4.00	ER20
BK133B		CAT40 AD/B - ER25 - 4.00	0.039-0.629	1.65	4.00	ER25
BK134B		CAT40 AD/B - ER32 - 4.00	0.078-0.787	1.96	4.00	ER32
BK136B		CAT40 AD/B - ER40 - 4.00	0.118-1.024	2.48	4.00	ER40
BL031B	50	CAT50 AD/B - ER16 - 4.00	0.031-0.406	1.10	4.00	ER16
BL032B		CAT50 AD/B - ER20 - 4.00	0.039-0.511	1.33	4.00	ER20
BL033B		CAT50 AD/B - ER25 - 4.00	0.039-0.629	1.65	4.00	ER25
BL034B		CAT50 AD/B - ER32 - 4.00	0.078-0.787	1.96	4.00	ER32
BL036B		CAT50 AD/B - ER40 - 4.00	0.118-1.024	2.48	4.00	ER40

■ EXTENDED

Unit : inch

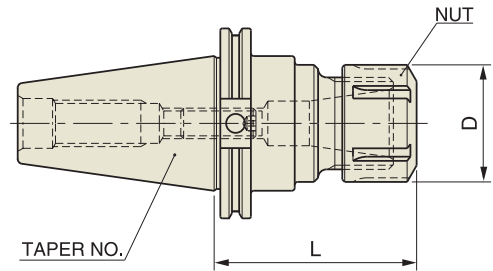
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BK331B	40	CAT40 AD/B - ER16 - 6.00	0.019-0.393	1.10	6.00	ER16
BK332B		CAT40 AD/B - ER20 - 6.00	0.039-0.511	1.33	6.00	ER20
BK333B		CAT40 AD/B - ER25 - 6.00	0.039-0.629	1.65	6.00	ER25
BK334B		CAT40 AD/B - ER32 - 6.00	0.078-0.787	1.96	6.00	ER32
BL331B	50	CAT50 AD/B - ER16 - 6.00	0.031-0.406	1.10	6.00	ER16
BL332B		CAT50 AD/B - ER20 - 6.00	0.039-0.511	1.33	6.00	ER20
BL333B		CAT50 AD/B - ER25 - 6.00	0.039-0.629	1.65	6.00	ER25
BL334B		CAT50 AD/B - ER32 - 6.00	0.078-0.787	1.96	6.00	ER32

■ EXTRA EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BK432B	40	CAT40 AD/B - ER20 - 8.00	0.039-0.511	1.33	8.00	ER20

- * HIGH BALANCED ER COLLET CHUCKS ARE AVAILABLE ON REQUEST
- * SUPPLIED WITHOUT WRENCH
- * ER COLLETS ON PAGE 67~73 AND NUT/WRENCH/STOP SCREW ON PAGE 66.



ER Collet Chuck

■ ASME B5.50-2009-CAT

ASME B5.50 - CAT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Coolant System AD
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■ STUB

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BK232B25	40	CAT40 - ER20 - 2.55	0.039-0.511	1.339	2.55	ER20
BK233B25		CAT40 - ER25 - 2.50	0.039-0.629	1.654	2.50	ER25
BK234B25		CAT40 - ER32 - 2.70	0.078-0.787	1.969	2.70	ER32

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BK030B25	40	CAT40 - ER11 - 3.00	0.019-0.275	0.748	3.00	ER11
BK031B25		CAT40 - ER16 - 3.00	1/32-13/32	1.102	2.88	ER16
BK032B25		CAT40 - ER20 - 4.00	0.039-0.511	1.339	4.00	ER20
BK133B25		CAT40 - ER25 - 4.00	0.039-0.629	1.654	4.00	ER25
BK134B25		CAT40 - ER32 - 4.00	0.078-0.787	1.969	4.00	ER32
BL031B25	50	CAT50 - ER16 - 4.00	1/32-13/32	1.102	4.88	ER16
BL032B25		CAT50 - ER20 - 4.00	0.039-0.511	1.339	4.00	ER20
BL033B25		CAT50 - ER25 - 4.00	0.039-0.629	1.654	4.00	ER25
BL034B25		CAT50 - ER32 - 4.00	0.078-0.787	1.969	4.00	ER32

■ EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BK331B25	40	CAT40 - ER16 - 4.88	1/32-13/32	1.102	4.88	ER16
BK332B25		CAT40 - ER20 - 6.00	0.039-0.511	1.339	6.00	ER20
BK333B25		CAT40 - ER25 - 6.00	0.039-0.629	1.654	6.00	ER25
BK334B25		CAT40 - ER32 - 6.00	0.078-0.787	1.969	6.00	ER32
BL331B25	50	CAT50 - ER16 - 6.88	1/32-13/32	1.102	6.88	ER16
BL332B25		CAT50 - ER20 - 6.00	0.039-0.511	1.339	6.00	ER20
BL333B25		CAT50 - ER25 - 6.00	0.039-0.629	1.654	6.00	ER25
BL334B25		CAT50 - ER32 - 6.00	0.078-0.787	1.969	6.00	ER32

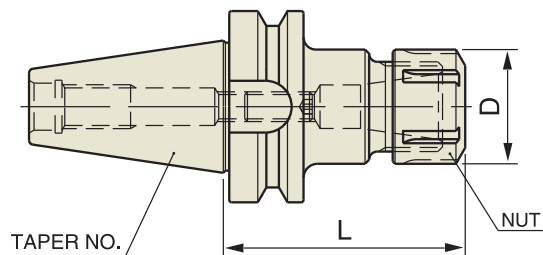
■ EXTRA EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BK432B25	40	CAT40 - ER20 - 8.00	0.039-0.511	1.339	8.00	ER20

* SUPPLIED WITHOUT WRENCH

* ER COLLETS ON PAGE 67~73 AND NUT/WRENCH/STOP SCREW ON PAGE 66.



JIS B6339 - BT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD
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■ JIS B6339/MAS 403-BT

■ STANDARD

Unit : inch

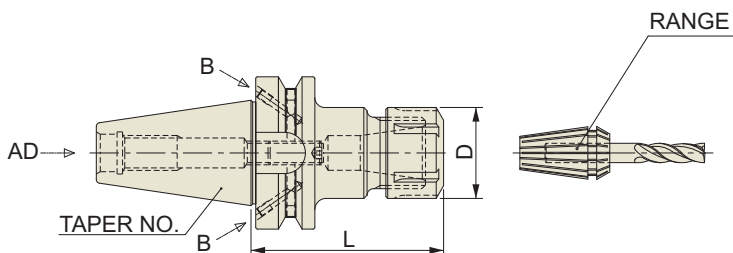
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BI031	50	BT50 - ER16 - 4.88	1/32-13/32	1.102	4.88	ER16
BI032		BT50 - ER20 - 2.63	0.039-0.511	1.339	2.63	ER20
BI033		BT50 - ER25 - 2.63	0.039-0.629	1.654	2.63	ER25
BI034		BT50 - ER32 - 4.00	0.078-0.787	1.969	4.00	ER32

■ EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BI331	50	BT50 - ER16 - 6.00	1/32-13/32	1.102	6.00	ER16
BI332		BT50 - ER20 - 6.00	0.039-0.511	1.339	6.00	ER20
BI333		BT50 - ER25 - 6.00	0.039-0.629	1.654	6.00	ER25
BI334		BT50 - ER32 - 6.00	0.078-0.787	1.969	6.00	ER32

- * HIGH BALANCED ER COLLET CHUCKS ARE ON PAGE 62.
- * SUPPLIED WITHOUT WRENCH
- * ER COLLETS ON PAGE 67~73 AND NUT/WRENCH/STOP SCREW ON PAGE 66.



ER Collet Chuck

■ JIS B6339/MAS 403-BT

JIS B6339 - BT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD/B
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■ STUB

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BH232B	40	BT40 AD/B - ER20 - 2.20	0.039-0.511	1.33	2.20	ER20
BH233B		BT40 AD/B - ER25 - 2.50	0.039-0.629	1.65	2.50	ER25
BH234B		BT40 AD/B - ER32 - 2.40	0.078-0.787	1.96	2.40	ER32

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BH030B	40	BT40 AD/B - ER11 - 3.00	0.019-0.275	0.75	3.00	ER11
BH031B		BT40 AD/B - ER16 - 3.00	0.019-0.393	1.10	3.00	ER16
BH032B		BT40 AD/B - ER20 - 4.00	0.039-0.511	1.33	4.00	ER20
BH133B		BT40 AD/B - ER25 - 4.00	0.039-0.629	1.65	4.00	ER25
BH134B		BT40 AD/B - ER32 - 4.00	0.078-0.787	1.96	4.00	ER32
BH136B		BT40 AD/B - ER40 - 4.00	0.118-1.024	2.48	4.00	ER40

■ EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BH331B	40	BT40 AD/B - ER16 - 6.00	0.019-0.393	1.10	6.00	ER16
BH332B		BT40 AD/B - ER20 - 6.00	0.039-0.511	1.33	6.00	ER20
BH333B		BT40 AD/B - ER25 - 6.00	0.039-0.629	1.65	6.00	ER25
BH334B		BT40 AD/B - ER32 - 6.00	0.078-0.787	1.96	6.00	ER32

■ EXTRA EXTENDED

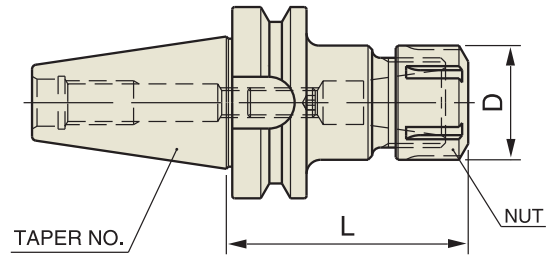
Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BH432B	40	BT40 AD/B - ER20 - 8.00	0.039-0.511	1.33	8.00	ER20

* HIGH BALANCED ER COLLET CHUCKS ARE AVAILABLE ON REQUEST

* SUPPLIED WITHOUT WRENCH

* ER COLLETS ON PAGE 67~73 AND NUT/WRENCH/STOP SCREW ON PAGE 66.



ER Collet Chuck

JIS B6339 - BT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Coolant System AD
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■ JIS B6339/MAS 403-BT

■ STUB

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BH232B25	40	BT40 - ER20 - 2.20	0.039-0.511	1.339	2.20	ER20
BH233B25		BT40 - ER25 - 2.50	0.039-0.629	1.654	2.50	ER25
BH234B25		BT40 - ER32 - 2.40	0.078-0.787	1.969	2.40	ER32

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BH030B25	40	BT40 - ER11 - 3.00	0.019-0.275	0.748	3.00	ER11
BH031B25		BT40 - ER16 - 2.88	1/32-13/32	1.102	2.88	ER16
BH032B25		BT40 - ER20 - 4.00	0.039-0.511	1.339	4.00	ER20
BH133B25		BT40 - ER25 - 4.00	0.039-0.629	1.654	4.00	ER25
BH134B25		BT40 - ER32 - 4.00	0.078-0.787	1.969	4.00	ER32
BI031B25	50	BT50 - ER16 - 4.88	1/32-13/32	1.102	4.88	ER16
BI032B25		BT50 - ER20 - 2.63	0.039-0.511	1.339	2.63	ER20
BI033B25		BT50 - ER25 - 2.63	0.039-0.629	1.654	2.63	ER25
BI034B25		BT50 - ER32 - 4.00	0.078-0.787	1.969	4.00	ER32

■ EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BH331B25	40	BT40 - ER16 - 4.88	1/32-13/32	1.102	4.88	ER16
BH332B25		BT40 - ER20 - 6.00	0.039-0.511	1.339	6.00	ER20
BH333B25		BT40 - ER25 - 6.00	0.039-0.629	1.654	6.00	ER25
BH334B25		BT40 - ER32 - 6.00	0.078-0.787	1.969	6.00	ER32
BI331B25	50	BT50 - ER16 - 6.00	1/32-13/32	1.102	6.00	ER16
BI332B25		BT50 - ER20 - 6.00	0.039-0.511	1.339	6.00	ER20
BI333B25		BT50 - ER25 - 6.00	0.039-0.629	1.654	6.00	ER25
BI334B25		BT50 - ER32 - 6.00	0.078-0.787	1.969	6.00	ER32

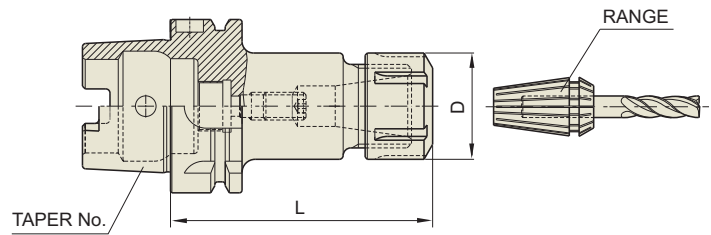
■ EXTRA EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BH432B25	40	BT40 - ER20 - 8.00	0.039-0.511	1.339	8.00	ER20

* SUPPLIED WITHOUT WRENCH

* ER COLLETS ON PAGE 67~73 AND NUT/WRENCH/STOP SCREW ON PAGE 66.



ER Collet Chuck

DIN69893 - HSK	Taper Accuracy	G Value 2.5	RPM 25,000	Coolant System AD
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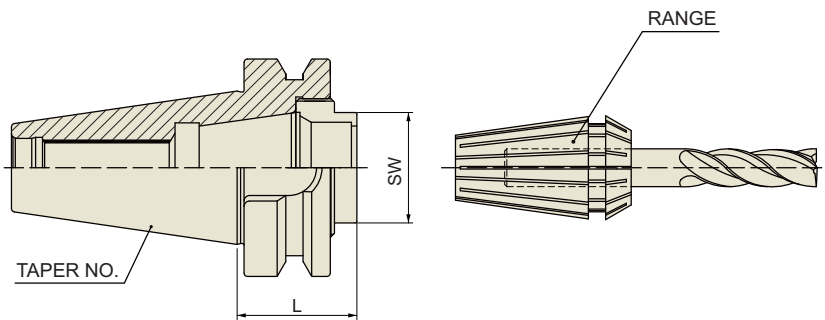
■ DIN 69893/ISO 12164-1-HSK FORM A

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	COLLET SERIES
BQ010	63A	HSK63A – ER16 – 3.94	0.019–0.393	1.10	3.94	ER16
BQ012		HSK63A – ER20 – 3.94	0.039–0.511	1.33	3.94	ER20
BQ014		HSK63A – ER25 – 3.94	0.039–0.629	1.65	3.94	ER25
BQ016		HSK63A – ER32 – 3.94	0.078–0.787	1.96	3.94	ER32
BQ018		HSK63A – ER40 – 4.72	0.118–1.18	2.48	4.72	ER40
BR010	100A	HSK100A – ER16 – 3.94	0.019–0.393	1.10	3.94	ER16
BR012		HSK100A – ER20 – 3.94	0.039–0.511	1.33	3.94	ER20
BR014		HSK100A – ER25 – 3.94	0.039–0.629	1.65	3.94	ER25
BR016		HSK100A – ER32 – 3.94	0.078–0.787	1.96	3.94	ER32
BR018		HSK100A – ER40 – 4.72	0.118–1.18	2.48	4.72	ER40

* SUPPLIED WITHOUT WRENCH

* ER COLLETS ON PAGE 67~73 AND NUT/WRENCH/STOP SCREW ON PAGE 66.



■ ASME B5.50-2009-CAT

Unit : inch

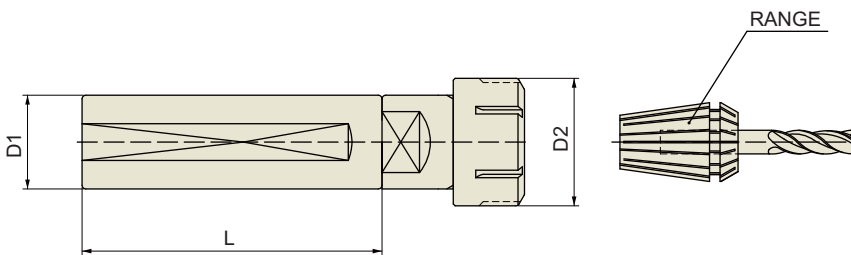
EDP No.	TAPER No.	MODEL No.	L	ER WRENCH
BK020SHT	40	CAT40-ER32-SHORT	1.063	32(for Hex. Nut)
BL020SHT	50	CAT50-ER32-SHORT	1.063	32(for Hex. Nut)

■ JIS B6339/MAS 403-BT

Unit : inch

EDP No.	TAPER No.	MODEL No.	L	ER WRENCH
BH020SHT	40	BT40-ER32-SHORT	1.378	32(for Hex. Nut)

TENSION ER COLLET CHUCK (For TAPPING)



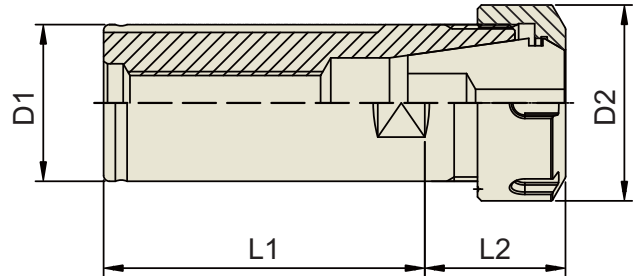
■ STRAIGHT-K

Unit : inch

EDP No.	TAPER No.	MODEL No.	D1	D2	L
BS110	K	K1-ERT16-2.76	1.000	1.102	2.756
BS111		K1-ERT20-3.15	1.000	1.339	3.150
BS112		K1 1/4-ERT16-2.76	1.250	1.102	2.756
BS113		K1 1/4-ERT20-3.15	1.250	1.339	3.150
BS114		K1 1/4-ERT25-3.15	1.250	1.654	3.150
BS115		K1 1/4-ERT32-3.15	1.250	1.969	3.150

* SUPPLIED WITHOUT WRENCH

* ER COLLETS ON PAGE 67~73 AND NUT/WRENCH/STOP SCREW ON PAGE 66.



ER Collet
Chuck

■ NC-FOR CNC LATHE

Unit : inch

EDP No.	TAPER No.	MODEL No.	D1	D2	L1	L2
BN110	NC	NC1 - ER11	1.000	0.748	2.559	1.260
BN111		NC1 - ER16	1.000	1.102	2.559	1.260
BN112		NC1 - ER20	1.000	1.339	2.559	1.260
BN113		NC1 - ER25	1.000	1.654	2.559	1.260
BN114		NC1-1/4 - ER20	1.250	1.339	2.756	1.260
BN115		NC1-1/4 - ER25	1.250	1.654	2.756	1.496
BN116		NC1-1/4 - ER32	1.250	1.969	2.756	1.496
BN117		NC1-1/4 - ER40	1.250	2.480	2.953	1.496
BN118		NC1-1/2 - ER25	1.500	1.654	2.953	2.087
BN119		NC1-1/2 - ER32	1.500	1.969	2.953	2.087
BN120		NC1-1/2 - ER40	1.500	2.480	2.953	2.087

* SUPPLIED WITHOUT WRENCH

* ER COLLETS ON PAGE 67~73 AND NUT/WRENCH/STOP SCREW ON PAGE 66.

ER NUT

■ FIG.1

EDP No.	SERIES	TYPE
ZZ061	ER11 – NUT	FIG.1
ZZ063	ER16 – NUT	FIG.1
ZZ066	ER20 – NUT	FIG.1

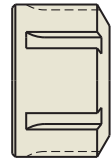
■ FIG.2

EDP No.	SERIES	TYPE
ZZ069	ER25 – NUT	FIG.2
ZZ072	ER32 – NUT	FIG.2

FIG. 1



FIG. 2



ER WRENCH

■ FIG.1

EDP No.	SERIES	TYPE
ZZ062	ER11	FIG.1
ZZ064	ER16	FIG.1
ZZ067	ER20	FIG.1

■ FIG.2

EDP No.	SERIES	TYPE
ZZ070	ER25	FIG.2
ZZ073	ER32	FIG.2

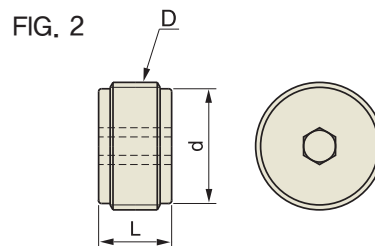
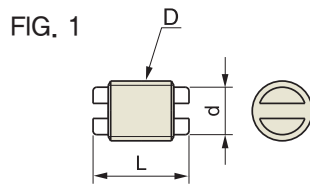


FIG. 1



FIG. 2

ER STOP SCREW



■ FIG.1

Unit : inch

EDP No.	SERIES	L	d	D	TYPE
ZZ060	ER11	0.50	0.25	UN5/16 – 18	FIG.1

■ FIG.2

Unit : inch

EDP No.	SERIES	L	d	D	TYPE
ZZ065	ER16	0.50	0.35	UN7/16 – 16	FIG.2
ZZ068	ER20	0.50	0.48	UN9/16 – 16	FIG.2
ZZ071	ER25	0.50	0.60	UN11/16 – 16	FIG.2
ZZ074	ER32	0.50	0.79	UN7/8 – 16	FIG.2

ER COLLET (INCH TYPE)



ER Collet
Chuck

Unit : inch

TYPE ER11		TYPE ER16		TYPE ER20		TYPE ER25		TYPE ER32		TYPE ER40	
EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY
110116	1/16	160116	1/16	200116	1/16	250116	1/16	320332	3/32	400108	1/8
110332	3/32	160332	3/32	200332	3/32	250332	3/32	320108	1/8	400532	5/32
110108	1/8	160108	1/8	200108	1/8	250108	1/8	320532	5/32	400316	3/16
110532	5/32	160532	5/32	200532	5/32	250532	5/32	320316	3/16	400732	7/32
110316	3/16	160316	3/16	200316	3/16	250316	3/16	320732	7/32	400104	1/4
110732	7/32	160732	7/32	200732	7/32	250732	7/32	320104	1/4	400932	9/32
110104	1/4	160104	1/4	200104	1/4	250104	1/4	320932	9/32	400516	5/16
		160932	9/32	200932	9/32	250932	9/32	320516	5/16	401132	11/32
		160516	5/16	200516	5/16	250516	5/16	321132	11/32	400308	3/8
		161132	11/32	201132	11/32	251132	11/32	320308	3/8	401332	13/32
		160308	3/8	200308	3/8	250308	3/8	321332	13/32	400716	7/16
		161332	13/32	201332	13/32	251332	13/32	320716	7/16	401532	15/32
				200716	7/16	250716	7/16	321532	15/32	400102	1/2
				201532	15/32	251532	15/32	320102	1/2	401732	17/32
				200102	1/2	250102	1/2	321732	17/32	400916	9/16
						251732	17/32	320916	9/16	401932	19/32
						250916	9/16	321932	19/32	400508	5/8
						251932	19/32	320508	5/8	402132	21/32
						250508	5/8	322132	21/32	401116	11/16
								321116	11/16	402332	23/32
								322332	23/32	400304	3/4
								320304	3/4	402532	25/32
										401316	13/16
										402732	27/32
										400708	7/8
										402932	29/32
										401516	15/16
										403132	31/32
										401000	1
ER11S07	STANDARD SET	ER16S12	STANDARD SET	ER20S15	STANDARD SET	ER25S19	STANDARD SET	ER32S22	STANDARD SET	ER40S29	STANDARD SET
Ø 1/16" to 1/4"		Ø 1/16" to 13/32"		Ø 1/16" to 1/2"		Ø 1/16" to 5/8"		Ø 3/32" to 3/4"		Ø 1/8" to 1"	
7PCS		12PCS		15PCS		19PCS		22PCS		29PCS	

* HIGH PRECISION ER COLLETS(T.I.R ≤ 0.0002" at 3D) ARE AVAILABLE ON REQUEST.

ER COLLET (METRIC TYPE)

ER Collet
Chuck



Unit : mm

TYPE ER8		TYPE ER11		TYPE ER16		TYPE ER20	
EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE
208010	1.0-0.5	211010	1.0-0.5	216010	1.0-0.5	220010	1.0-0.5
208015	1.5-1.0	211015	1.5-1.0	216015	1.5-1.0	220015	1.5-1.0
208020	2.0-1.5	211020	2.0-1.5	216020	2.0-1.0	220020	2.0-1.0
208025	2.5-2.0	211025	2.5-2.0	216025	2.5-2.0	220025	2.5-2.0
208030	3.0-2.5	211030	3.0-2.5	216030	3.0-2.0	220030	3.0-2.0
208035	3.5-3.0	211035	3.5-3.0	216040	4.0-3.0	220040	4.0-3.0
208040	4.0-3.5	211040	4.0-3.5	216050	5.0-4.0	220050	5.0-4.0
208045	4.5-4.0	211045	4.5-4.0	216060	6.0-5.0	220060	6.0-5.0
208050	5.0-4.5	211050	5.0-4.5	216070	7.0-6.0	220070	7.0-6.0
		211055	5.5-5.0	216080	8.0-7.0	220080	8.0-7.0
		211060	6.0-5.5	216090	9.0-8.0	220090	9.0-8.0
		211065	6.5-6.0	216100	10.0-9.0	220100	10.0-9.0
		211070	7.0-6.5			220110	11.0-10.0
						220120	12.0-11.0
						220130	13.0-12.0
208000	STANDARD SET	211000	STANDARD SET	216000	STANDARD SET	220000	STANDARD SET
Ø 1.0-5.0mm		Ø 1.0-7.0mm		Ø 1.0-10.0mm		Ø 2.0-13.0mm	
9PCS		13PCS		10PCS		12PCS	
108110	WOODEN TRAY ZWT 8	011110	WOODEN TRAY ZWT 11	016110	WOODEN TRAY ZWT 16	020110	WOODEN TRAY ZWT 20

* HIGH PRECISION ER COLLETS(T.I.R ≤ 0.0002" at 3D) ARE AVAILABLE ON REQUEST.

ER COLLET (METRIC TYPE)



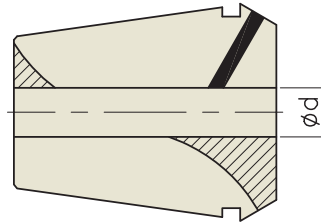
ER Collet
Chuck

Unit : mm

TYPE ER25		TYPE ER32		TYPE ER40		TYPE ER50	
EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE
225010	1.0-1.5	232020	2.0-1.0	240030	3.0-2.0	250060	6.0-4.0
225015	1.5-1.0	232025	2.5-2.0	240040	4.0-3.0	250080	8.0-6.0
225020	2.0-1.0	232030	3.0-2.0	240050	5.0-4.0	250100	10.0-8.0
225025	2.5-2.0	232040	4.0-3.0	240060	6.0-5.0	250120	12.0-10.0
225030	3.0-2.0	232050	5.0-4.0	240070	7.0-6.0	250140	14.0-12.0
225040	4.0-3.0	232060	6.0-5.0	240080	8.0-7.0	250160	16.0-14.0
225050	5.0-4.0	232070	7.0-6.0	240090	9.0-8.0	250180	18.0-16.0
225060	6.0-5.0	232080	8.0-7.0	240100	10.0-9.0	250200	20.0-18.0
225070	7.0-6.0	232090	9.0-8.0	240110	11.0-10.0	250220	22.0-20.0
225080	8.0-7.0	232100	10.0-9.0	240120	12.0-11.0	250240	24.0-22.0
225090	9.0-8.0	232110	11.0-10.0	240130	13.0-12.0	250250	25.0-23.0
225100	10.0-9.0	232120	12.0-11.0	240140	14.0-13.0	250260	26.0-24.0
225110	11.0-10.0	232130	13.0-12.0	240150	15.0-14.0	250280	28.0-26.0
225120	12.0-11.0	232140	14.0-13.0	240160	16.0-15.0	250300	30.0-28.0
225130	13.0-12.0	232150	15.0-14.0	240170	17.0-16.0	250320	32.0-30.0
225140	14.0-13.0	232160	16.0-15.0	240180	18.0-17.0	250340	34.0-32.0
225150	15.0-14.0	232170	17.0-16.0	240190	19.0-18.0		
225160	16.0-15.0	232180	18.0-17.0	240200	20.0-19.0		
		232190	19.0-18.0	240210	21.0-20.0		
		232200	20.0-19.0	240220	22.0-21.0		
				240230	23.0-22.0		
				240240	24.0-23.0		
				240250	25.0-24.0		
				240260	26.0-25.0		
				240270	27.0-26.0		
				240280	28.0-27.0		
				240290	29.0-28.0		
				240300	30.0-29.0		
225000	STANDARD SET	232000	STANDARD SET	240000	STANDARD SET	250000	STANDARD SET
Ø 2.0-16.0mm		Ø 3.0-20.0mm		Ø 4.0-26.0mm		Ø 12.0-34.0mm	
15PCS		18PCS		23PCS		12PCS	
025110	WOODEN TRAY ZWT 25	032110	WOODEN TRAY ZWT 32	040110	WOODEN TRAY ZWT 40	050110	WOODEN TRAY ZWT 50

* HIGH PRECISION ER COLLETS(T.I.R ≤ 0.0002" at 3D) ARE AVAILABLE ON REQUEST.

SEALED ER COLLET (INCH TYPE)



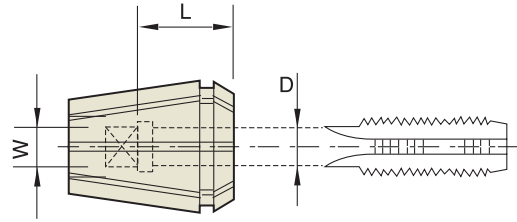
Unit : inch

TYPE ER11S		TYPE ER16S		TYPE ER20S		TYPE ER25S		TYPE ER32S		TYPE ER40S	
EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY
110108S	1/8	160108S	1/8	200108S	1/8	250108S	1/8	320108S	1/8	400108S	1/8
110532S	5/32	160532S	5/32	200532S	5/32	250532S	5/32	320532S	5/32	400532S	5/32
110316S	3/16	160316S	3/16	200316S	3/16	250316S	3/16	320316S	3/16	400316S	3/16
110732S	7/32	160732S	7/32	200732S	7/32	250732S	7/32	320732S	7/32	400732S	7/32
110104S	1/4	160104S	1/4	200104S	1/4	250104S	1/4	320104S	1/4	400104S	1/4
		160932S	9/32	200932S	9/32	250932S	9/32	320932S	9/32	400932S	9/32
		160516S	5/16	200516S	5/16	250516S	5/16	320516S	5/16	400516S	5/16
		161132S	11/32	201132S	11/32	251132S	11/32	321132S	11/32	401132S	11/32
		160308S	3/8	200308S	3/8	250308S	3/8	320308S	3/8	400308S	3/8
		161332S	13/32	201332S	13/32	251332S	13/32	321332S	13/32	401332S	13/32
				200716S	7/16	250716S	7/16	320716S	7/16	400716S	7/16
				201532S	15/32	251532S	15/32	321532S	15/32	401532S	15/32
				200102S	1/2	250102S	1/2	320102S	1/2	400102S	1/2
						251732S	17/32	321732S	17/32	401732S	17/32
						250916S	9/16	320916S	9/16	400916S	9/16
						251932S	19/32	321932S	19/32	401932S	19/32
						250508S	5/8	320508S	5/8	400508S	5/8
								322132S	21/32	402132S	21/32
								321116S	11/16	401116S	11/16
								322332S	23/32	402332S	23/32
								320304S	3/4	400304S	3/4
										402532S	25/32
										401316S	13/16
										402732S	27/32
										400708S	7/8
										402932S	29/32
										401516S	15/16
										403132S	31/32
										401000S	1
ER11S05S	STANDARD SET	ER16S10S	STANDARD SET	ER20S13S	STANDARD SET	ER25S17S	STANDARD SET	ER32S21S	STANDARD SET	ER40S29S	STANDARD SET
ϕ 1/8" to 1/4"		ϕ 1/8" to 13/32"		ϕ 1/8" to 1/2"		ϕ 1/8" to 5/8"		ϕ 1/8" to 3/4"		ϕ 1/8" to 1"	
5PCS		10PCS		13PCS		17PCS		21PCS		29PCS	

* METRIC SEALED ER COLLETS ARE AVAILABLE ON REQUEST.

ER Collet
Chuck

TAPER COLLET (INCH TYPE)



ER Collet
Chuck

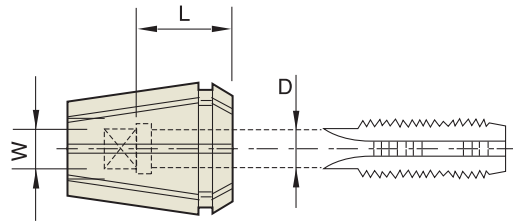
■ FOR STANDARD TAPS

Unit : inch

RD 11TC						RD 16TC						RD 20TC					
EDP No.	TAP		D(ϕ)	W(\square)	L	EDP No.	TAP		D(ϕ)	W(\square)	L	EDP No.	TAP		D(ϕ)	W(\square)	L
	Inch	Metric					Inch	Metric					Inch	Metric			
11TC1411	#6 1/8	M3	0.141	0.110	0.472	16TC1411	#6 1/8	M3	0.141	0.110	0.709	20TC1411	#6 1/8	M3	0.141	0.110	0.709
11TC1613	#8 5/32	M4	0.168	0.131	0.472	16TC1613	#8 5/32	M4	0.168	0.131	0.709	20TC1613	#8 5/32	M4	0.168	0.131	0.709
11TC1915	#10 3/16	M4.5+M5	0.194	0.152	0.472	16TC1915	#10 3/16	M4.5+M5	0.194	0.152	0.709	20TC1915	#10 3/16	M4.5+M5	0.194	0.152	0.709
11TC2216	#12 7/32	-	0.220	0.165	0.551	16TC2216	#12 7/32	-	0.220	0.165	0.709	20TC2216	#12 7/32	-	0.220	0.165	0.709
11TC2519	#14 1/4	M6+M6.5	0.255	0.191	0.551	16TC2519	#14 1/4	M6+M6.5	0.255	0.191	0.709	20TC2519	#14 1/4	M6+M6.5	0.255	0.191	0.709
						16TC3123	5/16	M7+M8	0.318	0.238	0.709	20TC3123	5/16	M7+M8	0.318	0.238	0.866
						16TC3224	7/16	-	0.323	0.242	0.709	20TC3224	7/16	-	0.323	0.242	0.866
												20TC3622	1/2	M10	0.367	0.275	0.866
												20TC3828	3/8	12+M12.5	0.381	0.286	0.866
RD 25TC						RD 32TC						RD 40TC					
EDP No.	TAP		D(ϕ)	W(\square)	L	EDP No.	TAP		D(ϕ)	W(\square)	L	EDP No.	TAP		D(ϕ)	W(\square)	L
	Inch	Metric					Inch	Metric					Inch	Metric			
25TC1411	#6 1/8	M3	0.141	0.110	0.709	32TC1411	#6 1/8	M3	0.141	0.110	0.709	40TC1411	#6 1/8	M3	0.141	0.110	0.709
25TC1613	#8 5/32	M4	0.168	0.131	0.709	32TC1613	#8 5/32	M4	0.168	0.131	0.709	40TC1613	#8 5/32	M4	0.168	0.131	0.709
25TC1915	#10 3/16	M4.5+M5	0.194	0.152	0.709	32TC1915	#10 3/16	M4.5+M5	0.194	0.152	0.709	40TC1915	#10 3/16	M4.5+M5	0.194	0.152	0.709
25TC2216	#12 7/32	-	0.220	0.165	0.709	32TC2216	#12 7/32	-	0.220	0.165	0.709	40TC2216	#12 7/32	-	0.220	0.165	0.709
25TC2519	#14 1/4	M6+M6.5	0.255	0.191	0.709	32TC2519	#14 1/4	M6+M6.5	0.255	0.191	0.709	40TC2519	#14 1/4	M6+M6.5	0.255	0.191	0.709
25TC3123	5/16	M7+M8	0.318	0.238	0.866	32TC3123	5/16	M7+M8	0.318	0.238	0.866	40TC3123	5/16	M7+M8	0.318	0.238	0.866
25TC3224	7/16	-	0.323	0.242	0.866	32TC3224	7/16	-	0.323	0.242	0.866	40TC3224	7/16	-	0.323	0.242	0.866
25TC3622	1/2	M10	0.367	0.275	0.866	32TC3627	1/2	M10	0.367	0.275	0.866	40TC3627	1/2	M10	0.367	0.275	0.866
25TC3828	3/8	12+M12.5	0.381	0.286	0.866	32TC3828	3/8	12+M12.5	0.381	0.286	0.866	40TC3828	3/8	12+M12.5	0.381	0.286	0.866
25TC4232	9/16	M14	0.429	0.322	0.984	32TC4232	9/16	M14	0.429	0.322	0.984	40TC4232	9/16	M14	0.429	0.322	0.984
25TC4836	5/8	M16	0.480	0.360	0.984	32TC4836	5/8	M16	0.480	0.360	0.984	40TC4836	5/8	M16	0.480	0.360	0.984
25TC5440	11/16	M18	0.542	0.406	0.984	32TC5440	11/16	M18	0.542	0.406	0.984	40TC5440	11/16	M18	0.542	0.406	0.984
25TC5944	3/4	-	0.590	0.442	0.984	32TC5944	3/4	-	0.590	0.442	0.984	40TC5944	3/4	-	0.590	0.442	0.984
						32TC6548	13/16	M20	0.652	0.489	0.984	40TC6548	13/16	M20	0.652	0.489	0.984
												40TC6952	7/8	M22	0.697	0.523	0.984
												40TC7657	15/16	M24	0.760	0.570	0.984
												40TC8060	1	M25	0.800	0.600	1.102

TAPER COLLET (INCH TYPE)

ER Collet
Chuck



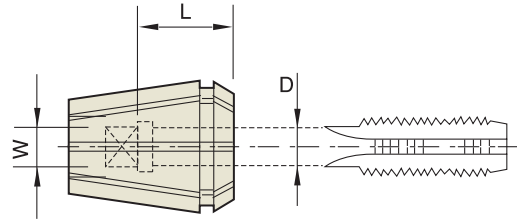
■ FOR PIPE TAPS

Unit : inch

RD 16TCP						RD 20TCP						RD 25TCP					
EDP No.	TAP		D(ϕ)	W(\square)	L	EDP No.	TAP		D(ϕ)	W(\square)	L	EDP No.	TAP		D(ϕ)	W(\square)	L
	Inch	Metric					Inch	Metric					Inch	Metric			
16TP3123	1/8(SS)	-	0.312	0.234	0.709	20TP3123	1/8(SS)	-	0.312	0.234	0.787	25TP3123	1/8(SS)	-	0.312	0.234	0.787
16TP4332	1/8(LS)	-	0.437	0.328	0.709	20TP4332	1/8(LS)	-	0.437	0.328	0.787	25TP4332	1/8(LS)	-	0.437	0.328	0.787
												25TP5642	1/4	-	0.562	0.420	0.787
RD 32TCP						RD 40TCP											
EDP No.	TAP		D(ϕ)	W(\square)	L	EDP No.	TAP		D(ϕ)	W(\square)	L						
	Inch	Metric					Inch	Metric									
32TP3123	1/8(SS)	-	0.312	0.234	0.787	40TP3123	1/8(SS)	-	0.312	0.234	0.787						
32TP4332	1/8(LS)	-	0.437	0.328	0.787	40TP4332	1/8(LS)	-	0.437	0.328	0.787						
32TP5642	1/4	-	0.562	0.420	0.787	40TP5642	1/4	-	0.562	0.420	0.787						
						40TP7053	3/8	-	0.700	0.530	0.866						
						40TP6851	1/2	-	0.687	0.515	0.866						
						40TP9067	3/4	-	0.906	0.679	0.945						

* SS : SHORT SERIES LS : LONG SERIES

TAPER COLLET (METRIC TYPE)



ER Collet
Chuck

Unit : mm

RDT 16					RDT 20					RDT 25					RDT 32					RDT 40												
EDP No.	TAP	D(ϕ)	W(\square)	L	EDP No.	TAP	D(ϕ)	W(\square)	L	EDP No.	TAP	D(ϕ)	W(\square)	L	EDP No.	TAP	D(ϕ)	W(\square)	L	EDP No.	TAP	D(ϕ)	W(\square)	L	EDP No.	TAP	D(ϕ)	W(\square)	L			
16T30025	M2	3.0	2.5	15																												
16T40032	M3	4.0	3.2	15	20T40032	M3	4.0	3.2	15	25T40032	M3	4.0	3.2	15																		
16T50040	M4	5.0	4.0	15	20T50040	M4	5.0	4.0	15	25T50032	M4	5.0	4.0	15	32T50040	M4	5.0	4.0	15													
16T55045	M5	5.5	4.5	15	20T55045	M5	5.5	4.5	15	25T55045	M5	5.5	4.5	15	32T55045	M5	5.5	4.5	15													
16T60045	M6	6.0	4.5	15	20T60045	M6	6.0	4.5	15	25T60045	M6	6.0	4.5	15	32T60045	M6	6.0	4.5	15													
16T62050	M8	6.2	5.0	15	20T62050	M8	6.2	5.0	20	25T62050	M8	6.2	5.0	20	32T62050	M8	6.2	5.0	20	40T62050	M8	6.2	5.0	20								
					20T70055	M10	7.0	5.5	20	25T70055	M10	7.0	5.5	20	32T70055	M10	7.0	5.5	20	40T70055	M10	7.0	5.5	20								
										25T85065	M12	8.5	6.5	20	32T85065	M12	8.5	6.5	20	40T85065	M12	8.5	6.5	25								
										25T10580	M14	10.5	8.0	20	32T10560	M14	10.5	8.0	20	40T10580	M14	10.5	8.0	25								
															32T12510	M16	12.5	10.0	20	40T12510	M16	12.5	10.0	25								
															32T14011	M18	14.0	11.0	20	40T14011	M18	14.0	11.0	25								
																				40T15012	M20	15.0	12.0	28								
																				40T17013	M22	17.0	13.0	28								
																				40T19015	M24	19.0	15.0	28								

Rotary Tooling

THE WORLD LEADER IN
THE TOOL HOLDER
INDUSTRY

- HYDRAULIC CHUCK
- SHRINK FIT HOLDER
- END MILL HOLDER & SIDE LOCK ARBOR
- ER COLLET CHUCK
- SK SLIM CHUCK
- TG COLLET CHUCK
- MILLING CHUCK
- MORSE TAPER ADAPTER
- TAPPING CHUCK
- SHELL MILL ARBOR
- NC DRILL CHUCK
- JACOBS TAPER ARBOR
- STUB ARBOR
- SLITTING SAW ARBOR
- PULL STUD & TOOL CLAMP



YG-1 CO., LTD.



ROTARY TOOLING

SK SLIM CHUCK



DUAL CONTACT SK SLIM CHUCK

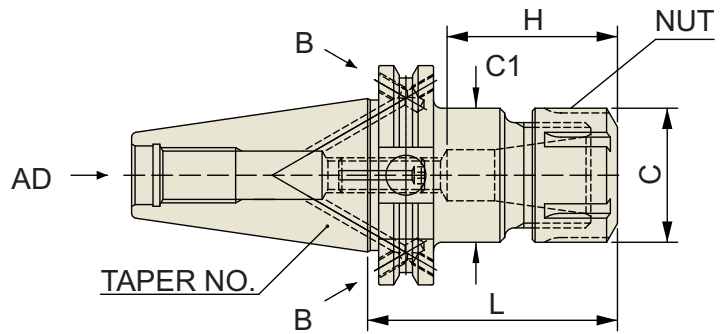
- CCT : CAT DUAL CONTACT
- CBT : BT DUAL CONTACT
- HSK : DIN 69893/ISO 12164-1

STRAIGHT SK SLIM CHUCK

- K (STRAIGHT)

ACCESSORY & PART

SK COLLET



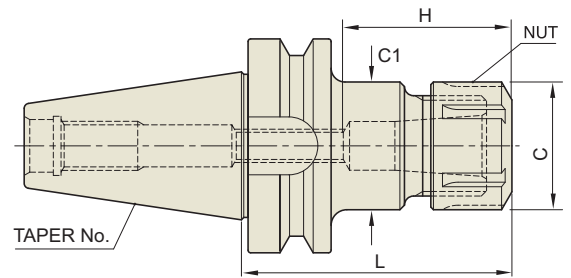
CCT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Coolant System AD/B
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■ CCT (CAT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	C	C1	H		COLLET
							Min	Max	
TB020	40	CCT40 AD/B - SKA6-3.54	0.036-0.236	3.540	0.787	0.768	0.827	1.378	SKC6
TB021		CCT40 AD/B - SKA6-4.72	0.036-0.236	4.720	0.787	0.768	0.827	1.378	SKC6
TB022		CCT40 AD/B - SKA6-5.90	0.036-0.236	5.900	0.787	0.768	0.827	1.378	SKC6
TB023		CCT40 AD/B - SKA10-3.54	0.068-0.394	3.540	1.102	1.083	1.181	1.969	SKC10
TB024		CCT40 AD/B - SKA10-4.72	0.068-0.394	4.720	1.102	1.083	1.181	1.969	SKC10
TB025		CCT40 AD/B - SKA10-5.90	0.068-0.394	5.900	1.102	1.083	1.181	1.969	SKC10
TB026		CCT40 AD/B - SKA13-3.54	0.108-0.512	3.540	1.299	1.299	1.220	2.559	SKC13
TB027		CCT40 AD/B - SKA13-4.72	0.108-0.512	4.720	1.299	1.299	1.220	2.559	SKC13
TB028		CCT40 AD/B - SKA13-5.90	0.108-0.512	5.900	1.299	1.299	1.220	2.559	SKC13
TB029		CCT40 AD/B - SKA16-3.54	0.108-0.630	3.540	1.575	1.575	1.772	2.756	SKC16
TB030		CCT40 AD/B - SKA16-4.72	0.108-0.630	4.720	1.575	1.575	1.772	2.756	SKC16
TB031		CCT40 AD/B - SKA16-5.90	0.108-0.630	5.900	1.575	1.575	1.772	2.756	SKC16
TB032		CCT40 AD/B - SKA20-3.54	0.138-0.787	3.540	1.909	1.909	1.850	3.150	SKC20
TB033		CCT40 AD/B - SKA20-4.72	0.138-0.787	4.720	1.909	1.909	1.850	3.150	SKC20
TB034		CCT40 AD/B - SKA20-5.90	0.138-0.787	5.900	1.909	1.909	1.850	3.150	SKC20
TB035		CCT40 AD/B - SKA25-3.54	0.630-1.000	3.540	2.165	2.165	2.165	3.346	SKC25
TB036		CCT40 AD/B - SKA25-4.72	0.630-1.000	4.720	2.165	2.165	2.165	3.346	SKC25
TB037	CCT40 AD/B - SKA25-5.90	0.630-1.000	5.900	2.165	2.165	2.165	3.346	SKC25	
TC020	50	CCT50 AD/B - SKA6-4.13	0.036-0.236	4.130	0.787	0.768	0.827	1.378	SKC6
TC021		CCT50 AD/B - SKA6-5.31	0.036-0.236	5.310	0.787	0.768	0.827	1.378	SKC6
TC022		CCT50 AD/B - SKA6-6.50	0.036-0.236	6.500	0.787	0.768	0.827	1.378	SKC6
TC023		CCT50 AD/B - SKA6-7.68	0.036-0.236	7.680	0.787	0.768	0.827	1.378	SKC6
TC024		CCT50 AD/B - SKA10-4.13	0.068-0.394	4.130	1.102	1.083	1.181	1.969	SKC10
TC025		CCT50 AD/B - SKA10-5.31	0.068-0.394	5.310	1.102	1.083	1.181	1.969	SKC10
TC026		CCT50 AD/B - SKA10-6.50	0.068-0.394	6.500	1.102	1.083	1.181	1.969	SKC10
TC027		CCT50 AD/B - SKA10-7.68	0.068-0.394	7.680	1.102	1.083	1.181	1.969	SKC10
TC028		CCT50 AD/B - SKA13-4.13	0.108-0.512	4.130	1.299	1.299	1.220	2.559	SKC13
TC029		CCT50 AD/B - SKA13-5.31	0.108-0.512	5.310	1.299	1.299	1.220	2.559	SKC13
TC030		CCT50 AD/B - SKA13-6.50	0.108-0.512	6.500	1.299	1.299	1.220	2.559	SKC13
TC031		CCT50 AD/B - SKA13-7.68	0.108-0.512	7.680	1.299	1.299	1.220	2.559	SKC13
TC032		CCT50 AD/B - SKA16-4.13	0.108-0.630	4.130	1.575	1.575	1.772	2.362	SKC16
TC033		CCT50 AD/B - SKA16-5.31	0.108-0.630	5.310	1.575	1.575	1.772	2.756	SKC16
TC034		CCT50 AD/B - SKA16-6.50	0.108-0.630	6.500	1.575	1.575	1.772	2.756	SKC16
TC035		CCT50 AD/B - SKA16-7.68	0.108-0.630	7.680	1.575	1.575	1.772	2.756	SKC16
TC036		CCT50 AD/B - SKA20-4.13	0.138-0.787	4.130	1.909	1.909	1.850	3.150	SKC20
TC037		CCT50 AD/B - SKA20-5.31	0.138-0.787	5.310	1.909	1.909	1.850	3.150	SKC20
TC038		CCT50 AD/B - SKA20-6.50	0.138-0.787	6.500	1.909	1.909	1.850	3.150	SKC20
TC039		CCT50 AD/B - SKA20-7.68	0.138-0.787	7.680	1.909	1.909	1.850	3.150	SKC20
TC040		CCT50 AD/B - SKA25-4.13	0.630-1.000	4.130	2.165	2.165	2.165	3.346	SKC25
TC041		CCT50 AD/B - SKA25-5.31	0.630-1.000	5.310	2.165	2.165	2.165	3.346	SKC25
TC042		CCT50 AD/B - SKA25-6.50	0.630-1.000	6.500	2.165	2.165	2.165	3.346	SKC25
TC043		CCT50 AD/B - SKA25-7.68	0.630-1.000	7.680	2.165	2.165	2.165	3.346	SKC25

* SK COLLET ON PAGE 80~82.



CBT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Coolant System AD
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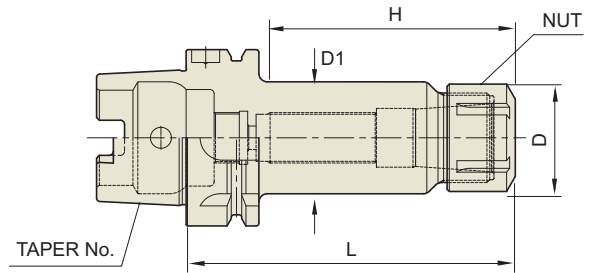
■ CBT (BT DUAL CONTACT)

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	C	C1	H		COLLET
							Min	Max	
TD100	30	CBT30 – SKA06–60	0.9–6.0	60	20	19.5	21	35	SKC6
TD102		CBT30 – SKA06–90	0.9–6.0	90	20	19.5	21	35	SKC6
TD104		CBT30 – SKA10–60	1.75–10.0	60	28	27.5	30	50	SKC10
TD106		CBT30 – SKA10–90	1.75–10.0	90	28	27.5	30	50	SKC10
TD108		CBT30 – SKA13–60	2.75–13.0	60	33	33	31	65	SKC13
TD110		CBT30 – SKA13–90	2.75–13.0	90	33	33	31	65	SKC13
TD112		CBT30 – SKA16–60	2.75–16.0	60	40	40	45	60	SKC16
TD114		CBT30 – SKA16–90	2.75–16.0	90	40	40	45	60	SKC16
TD116		CBT30 – SKA20–60	4.0–20.0	60	48.5	48.5	65	75	SKC20
TD118		CBT30 – SKA20–90	4.0–20.0	90	48.5	48.5	65	75	SKC20
TD120		CBT30 – SKA25–90	16.0–25.4	90	55	55	55	75	SKC25
TE100		40	CBT40 – SKA06–90	0.9–6.0	90	20	19.5	21	35
TE102	CBT40 – SKA06–120		0.9–6.0	120	20	19.5	21	35	SKC6
TE104	CBT40 – SKA06–150		0.9–6.0	150	20	19.5	21	35	SKC6
TE106	CBT40 – SKA10–90		1.75–10.0	90	28	27.5	30	50	SKC10
TE108	CBT40 – SKA10–120		1.75–10.0	120	28	27.5	30	50	SKC10
TE110	CBT40 – SKA10–150		1.75–10.0	150	28	27.5	30	50	SKC10
TE112	CBT40 – SKA13–90		2.75–13.0	90	33	33	31	65	SKC13
TE114	CBT40 – SKA13–120		2.75–13.0	120	33	33	31	65	SKC13
TE116	CBT40 – SKA13–150		2.75–13.0	150	33	40	31	65	SKC13
TE118	CBT40 – SKA16–90		2.75–16.0	90	40	40	45	70	SKC16
TE121	CBT40 – SKA16–120		2.75–16.0	120	40	40	45	70	SKC16
TE122	CBT40 – SKA16–150		2.75–16.0	150	40	40	45	70	SKC16
TE124	CBT40 – SKA20–90		4.0–20.0	90	48.5	48.5	47	80	SKC20
TE126	CBT40 – SKA20–120		4.0–20.0	120	48.5	48.5	47	80	SKC20
TE128	CBT40 – SKA20–150		4.0–20.0	150	48.5	48.5	47	80	SKC20
TE130	CBT40 – SKA25–90		16.0–25.4	90	55	55	55	85	SKC25
TE132	CBT40 – SKA25–120		16.0–25.4	120	55	55	55	85	SKC25
TE134	CBT40 – SKA25–150		16.0–25.4	150	55	55	55	85	SKC25

* SK COLLET ON PAGE 80~82.

SK Slim
Chuck



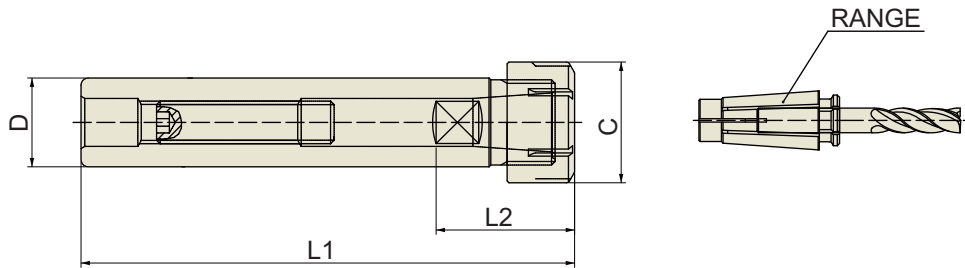
DIN69893 - HSK	Taper Accuracy	G Value 2.5	RPM 25,000	Coolant System AD
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■ DIN 69893/ISO 12164-1-HSK FORM A

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	D1	L	H		COLLET
							Min	Max	
TQ100	63A	HSK63A - SKA06-100	0.75 - 6.0	20	19.5	100	21	35	SKC6
TQ102		HSK63A - SKA10-100	1.75 - 10.0	28	27.5	100	30	50	SKC10
TQ104		HSK63A - SKA13-100	2.75-13.0	33	33	100	31	65	SKC13
TQ106		HSK63A - SKA16-120	2.75 - 16.0	40	40	120	45	70	SKC16
TQ108		HSK63A - SKA20-120	4.0-20.0	48.5	48.5	120	65	75	SKC20
TQ110		HSK63A - SKA25-150	16.0 - 25.4	55	55	150	55	85	SKC25
TR100	100A	HSK100A - SKA06-120	0.75 - 6.0	20	19.5	120	21	35	SKC6
TR102		HSK100A - SKA10-150	1.75 - 10.0	28	27.5	150	30	50	SKC10
TR104		HSK100A - SKA13-150	2.75-13.0	33	40	150	31	65	SKC13
TR106		HSK100A - SKA16-150	2.75 - 16.0	40	40	150	45	70	SKC16
TR108		HSK100A - SKA20-150	4.0-20.0	48.5	48.5	150	65	75	SKC20
TR110		HSK100A - SKA25-160	16.0 - 25.4	55	55	160	55	85	SKC25

* SK COLLET ON PAGE 80~82.



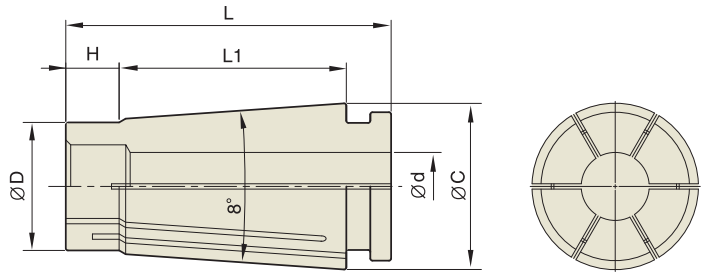
■ STRAIGHT-K

Unit : inch

EDP No.	TAPER No.	MODEL No.	D	C	L1	L2
TS020	K3/4	K3/4 - SKA6-100	0.750	0.787	3.937	0.827-1.378
TS021		K3/4 - SKA6-140	0.750	0.787	5.512	0.827-1.378
TS022		K3/4 - SKA10-100	0.750	1.102	3.937	1.181-1.969
TS023		K3/4 - SKA10-140	0.750	1.102	5.512	1.181-1.969
TS030	K1	K1 - SKA6-100	1.000	0.787	3.937	0.827-1.378
TS031		K1 - SKA6-140	1.000	0.787	5.512	0.827-1.378
TS032		K1 - SKA10-100	1.000	1.102	3.937	1.181-1.969
TS033		K1 - SKA10-150	1.000	1.102	5.906	1.181-1.969
TS034		K1 - SKA13-100	1.000	1.299	3.937	1.220-2.559
TS035		K1 - SKA13-150	1.000	1.299	5.906	1.220-2.559
TS040	K1 1/4	K1 1/4 - SKA10-100	1.250	1.102	3.937	1.181-1.969
TS041		K1 1/4 - SKA10-150	1.250	1.102	5.906	1.181-1.969
TS042		K1 1/4 - SKA13-100	1.250	1.299	3.937	1.220-2.559
TS043		K1 1/4 - SKA13-150	1.250	1.299	5.906	1.220-2.559
TS044		K1 1/4 - SKA16-100	1.250	1.575	3.937	1.575-2.756
TS045		K1 1/4 - SKA16-150	1.250	1.575	5.906	1.575-2.756
TS046		K1 1/4 - SKA20-100	1.250	1.909	3.937	1.850-3.150
TS047		K1 1/4" - SKA20-150	1.250	1.909	5.906	1.850-3.150

* SK COLLET ON PAGE 80~82.

SK COLLET (METRIC TYPE)



◇ T.I.R of standard collet is 5Um at 3D.
(Special collet with 3Um T.I.R at 3D is available upon request.)

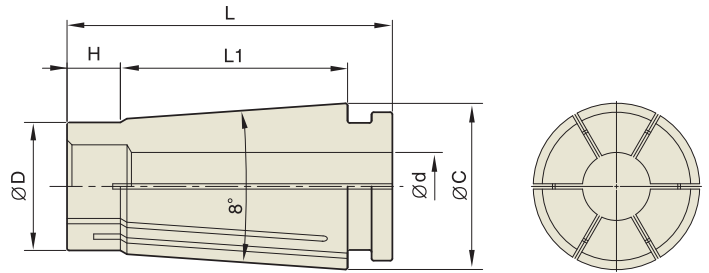
Unit : mm

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

SKC COLLET Dimension

Unit : mm

TYPE	D	L	L1	H	C
SKC 6	7.5	25.7	17.6	3.8	10
SKC 10	12	32	21.3	5	15
SKC 13	15.4	39	28.3	5.5	20
SKC 16	18.8	46	32	8	24
SKC 20	22.5	54.2	41	8	29
SKC 25	28.9	58.2	43	8.5	35

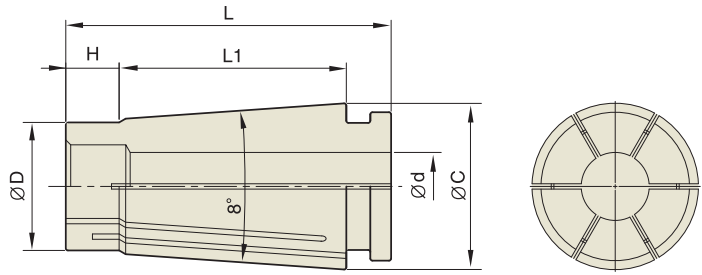


◇ T.I.R of standard collet is 5Um at 3D.
(Special collet with 3Um T.I.R at 3D is available upon request.)

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)
316030	SKC 16	SKC16 - 3	2.75 - 3.0	323040	SKC 20	SKC 20 - 4	3.5 - 4.0	325165	SKC 25	SKC25 - 16.5	16.0 - 16.5
316035		SKC16 - 3.5	3.0 - 3.5	323045		SKC 20 - 4.5	4.0 - 4.5	325170		SKC25 - 17	16.5 - 17.0
316040		SKC16 - 4	3.5 - 4.0	323050		SKC 20 - 5	4.5 - 5.0	325175		SKC25 - 17.5	17.0 - 17.5
316045		SKC16 - 4.5	4.0 - 4.5	323055		SKC 20 - 5.5	5.0 - 5.5	325180		SKC25 - 18	17.5 - 18.0
316050		SKC16 - 5	4.5 - 5.0	323060		SKC 20 - 6	5.5 - 6.0	325185		SKC25 - 18.5	18.0 - 18.5
316055		SKC16 - 5.5	5.0 - 5.5	323065		SKC 20 - 6.5	6.0 - 6.5	325190		SKC25 - 19	18.5 - 19.0
316060		SKC16 - 6	5.5 - 6.0	323070		SKC 20 - 7	6.5 - 7.0	325195		SKC25 - 19.5	19.0 - 19.5
316605		SKC16 - 6.5	6.0 - 6.5	323075		SKC 20 - 7.5	7.0 - 7.5	325200		SKC25 - 20	19.5 - 20.0
316070		SKC16 - 7	6.5 - 7.0	323080		SKC 20 - 8	7.5 - 8.0	325205		SKC25 - 20.5	20.0 - 20.5
316075		SKC16 - 7.5	7.0 - 7.5	323085		SKC 20 - 8.5	8.0 - 8.5	325210		SKC25 - 21	20.5 - 21.0
316080		SKC16 - 8	7.5 - 8.0	323090		SKC 20 - 9	8.5 - 9.0	325215		SKC25 - 21.5	21.0 - 21.5
316085		SKC16 - 8.5	8.0 - 8.5	323095		SKC 20 - 9.5	9.0 - 9.5	325220		SKC25 - 22	21.5 - 22.0
316090		SKC16 - 9	8.5 - 9.0	323100		SKC 20 - 10	9.5 - 10.0	325225		SKC25 - 22.5	22.0 - 22.5
316095		SKC16 - 9.5	9.0 - 9.5	323105		SKC 20 - 10.5	10.0 - 10.5	325230		SKC25 - 23	22.5 - 23.0
316100		SKC16 - 10	9.5 - 10.0	323110		SKC 20 - 11	10.5 - 11.0	325235		SKC25 - 23.5	23.0 - 23.5
316105		SKC16 - 10.5	10.0 - 10.5	323115		SKC 20 - 11.5	11.0 - 11.5	325240		SKC25 - 24	23.5 - 24.0
316110		SKC16 - 11	10.5 - 11.0	323120		SKC 20 - 12	11.5 - 12.0	325245		SKC25 - 24.5	24.0 - 24.5
316115		SKC16 - 11.5	10.0 - 11.5	323125		SKC 20 - 12.5	12.0 - 12.5	325250		SKC25 - 25	24.5 - 25.0
316120		SKC16 - 12	11.5 - 12.0	323130		SKC 20 - 13	12.5 - 13.0	325254		SKC25 - 25.4	25.0 - 25.4
316125		SKC16 - 12.5	12.0 - 12.5	323135		SKC 20 - 13.5	13.0 - 13.5				
316130	SKC16 - 13	12.5 - 13.0	323140	SKC 20 - 14	13.5 - 14.0						
316135	SKC16 - 13.5	13.0 - 13.5	323145	SKC 20 - 14.5	14.0 - 14.5						
316140	SKC16 - 14	13.5 - 14.0	323150	SKC 20 - 15	14.5 - 15.0						
316145	SKC16 - 14.5	14.0 - 14.5	323155	SKC 20 - 15.5	15.0 - 15.5						
316150	SKC16 - 15	14.5 - 15.0	323160	SKC 20 - 16	15.5 - 16.0						
316155	SKC16 - 15.5	15.0 - 15.5	323165	SKC 20 - 16.5	16.0 - 16.5						
316160	SKC16 - 16	15.5 - 16.0	323170	SKC 20 - 17	16.5 - 17.0						
			323175	SKC 20 - 17.5	17.0 - 17.5						
			323180	SKC 20 - 18	17.5 - 18.0						
			323185	SKC 20 - 18.5	18.0 - 18.5						
			323190	SKC 20 - 19	18.5 - 19.0						
			323195	SKC 20 - 19.5	19.0 - 19.5						
			323200	SKC 20 - 20.0	19.5 - 20.0						

SK COLLET (INCH TYPE)



◇ T.I.R of standard collet is 0.00020" at 3D.
 (Special collet with 0.00012" T.I.R at 3D is available upon request.)

Unit : inch

EDP No.	TYPE	MODEL No.	CLAMPING RANGE (d1)	EDP No.	TYPE	MODEL No.	CLAMPING RANGE (d1)
3060108A	SKC 6	SKC6 - 1/8A	0.125	3100108A	SKC 10	SKC10 - 1/8A	0.125
3060316A		SKC6 - 3/16A	0.187	3100316A		SKC10 - 3/16A	0.187
				3100104A		SKC10 - 1/4A	0.25
				3100516A		SKC10 - 5/16A	0.312
				3100308A		SKC10 - 3/8A	0.375
EDP No.	TYPE	MODEL No.	CLAMPING RANGE (d1)	EDP No.	TYPE	MODEL No.	CLAMPING RANGE (d1)
3160108A	SKC 16	SKC16 - 1/8A	0.125	3250316A	SKC 25	SKC25 - 3/16A	0.187
3160316A		SKC16 - 3/16A	0.187	3250104A		SKC25 - 1/4A	0.25
3160104A		SKC16 - 1/4A	0.25	3250516A		SKC25 - 5/16A	0.312
3160516A		SKC16 - 5/16A	0.312	3250308A		SKC25 - 3/8A	0.375
3160308A		SKC16 - 3/8A	0.375	3250716A		SKC25 - 7/16A	0.437
3160716A		SKC16 - 7/16A	0.437	3250102A		SKC25 - 1/2A	0.5
3160102A		SKC16 - 1/2A	0.5	3250508A		SKC25 - 5/8A	0.625
3160916A		SKC16 - 9/16A	0.562	3250304A		SKC25 - 3/4A	0.75
3160508A		SKC16 - 5/8A	0.625				



ROTARY TOOLING

TG COLLET CHUCK

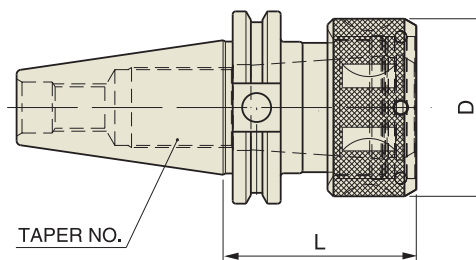


TG COLLET CHUCK

- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403

ACCESSORY & PART

TG NUT / TG WRENCH / TG STOP SCREW



■ ASME B5.50-2009-CAT

ASME B5.50 - CAT	Taper Accuracy AT3	G Value	RPM	Coolant System AD
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TG75

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
VK012	40	CAT40 - TG75 - 2.50	0.047-0.750	2.50	1.81	75TG

■ EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
VK312	40	CAT40 - TG75 - 3.00	0.047-0.750	3.00	1.81	75TG

TG100

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
OK014	40	CAT40 - TG100 - 3.25	0.063-1.000	3.25	2.36	100TG
OL014	50	CAT50 - TG100 - 3.25	0.063-1.000	3.25	2.36	100TG

■ EXTENDED

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
OK314	40	CAT40 - TG100 - 4.50	0.063-1.000	4.50	2.36	100TG
OL314	50	CAT50 - TG100 - 5.50	0.063-1.000	5.50	2.36	100TG

TG150

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
UL052	50	CAT50 - TG150 - 3.50	0.500 - 1.500	3.50	3.43	150TG

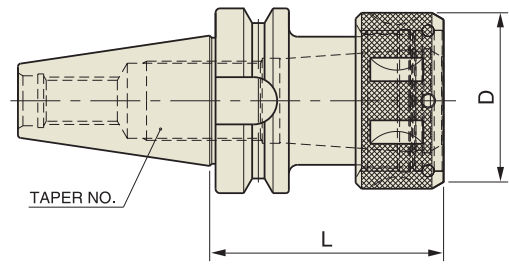
■ EXTENDED

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
UL352	50	CAT50 - TG150 - 6.00	0.500 - 1.500	6.00	3.43	150TG

* TG NUT : SWISS MADE PRECISION TG NUT

* WRENCHES ON PAGE 86.



■ JIS B6339/MAS 403-BT

TG75

■ STANDARD

JIS B6339 - CAT	Taper Accuracy AT3	G Value	RPM	Coolant System AD
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Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
VH012	40	BT40 - TG75 - 3.00	0.047-0.750	3.00	1.81	75TG

TG100

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
OH014	40	BT40 - TG100 - 3.50	0.063-1.000	3.50	2.36	100TG
OI014	50	BT50 - TG100 - 3.50	0.063-1.000	3.50	2.36	100TG

■ EXTENDED

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
OH314	40	BT40 - TG100 - 5.50	0.063-1.000	5.50	2.36	100TG
OI314	50	BT50 - TG100 - 6.00	0.063-1.000	6.00	2.36	100TG

TG150

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
UI052	50	BT50 - TG150 - 4.00	0.500 - 1.500	4.00	3.43	150TG

■ EXTENDED

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
UI352	50	BT50 - TG150 - 6.00	0.500 - 1.500	6.00	3.43	150TG

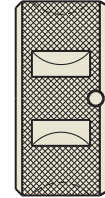
* TG NUT : SWISS MADE PRECISION TG NUT

* WRENCHES ON PAGE 86.

TG NUT

■ TG NUT

EDP No.	SERIES
ZZ084	TG75 – NUT
ZZ081	TG100 – NUT
ZZ087	TG150 – NUT



TG WRENCH

■ TG WRENCH

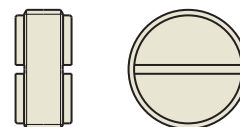
EDP No.	SERIES
ZZ085	TG75
ZZ082	TG100
ZZ088	TG150



TG STOP SCREW

■ TG STOP SCREW

EDP No.	SERIES
ZZ086	TG75
ZZ083	TG100
ZZ089	TG150





ROTARY TOOLING

MILLING CHUCK



MILLING CHUCK

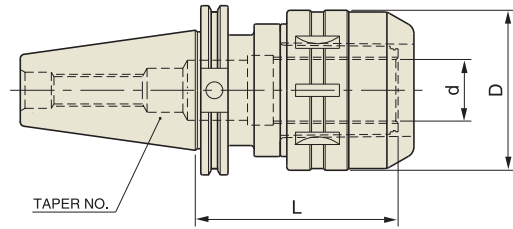
- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403

DUAL CONTACT HIGH SPEED MILLING CHUCK

- CCT : CAT DUAL CONTACT
- CBT : BT DUAL CONTACT
- HSK : DIN 69893/ISO 12164-1

ACCESSORY & PART

MILLING CHUCK COLLET / WRENCH



■ ASME B5.50-2009-CAT

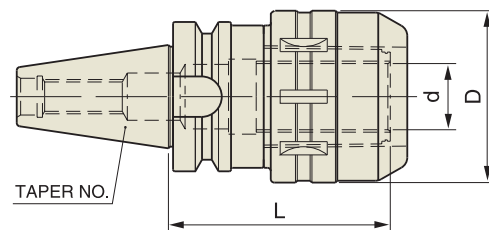
ASME B5.50 - CAT	Taper Accuracy AT3	G Value	RPM	Coolant System
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■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L
LK010	40	CAT40 - C 3/4 - 4.13	0.750	2.050	4.13
LK014		CAT40 - C 1" - 4.13	1.000	2.360	4.13
LK017		CAT40 - C 1 1/4 - 4.13	1.250	2.835	4.13
LL010	50	CAT50 - C 3/4 - 4.13	0.750	2.050	4.13
LL014		CAT50 - C 1" - 4.13	1.000	2.360	4.13
LL017		CAT50 - C 1 1/4 - 4.13	1.250	2.835	4.13

* COLLETS / WRENCHES FOR MILLING CHUCKS ON PAGE 92.



■ JIS B6339/MAS 403-BT

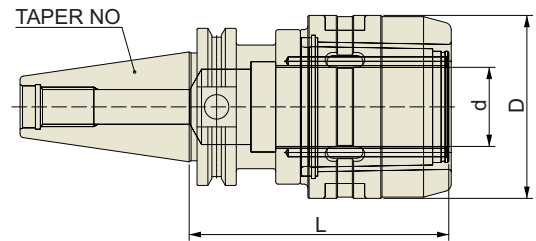
JIS B6339 - BT	Taper Accuracy AT3	G Value	RPM	Coolant System
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■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L
LH010	40	BT40 - C3/4 - 3.56	0.750	2.050	3.56
LH014		BT40 - C1 - 4.13	1.000	2.360	4.13
LH017		BT40 - C1 1/4 - 4.13	1.250	2.835	4.13
LI010	50	BT50 - C 3/4 - 4.13	0.750	2.050	4.13
LI014		BT50 - C 1" - 4.13	1.000	2.360	4.13
LI017		BT50 - C 1 1/4 - 4.13	1.250	2.835	4.13

* COLLETS / WRENCHES FOR MILLING CHUCKS ON PAGE 92.



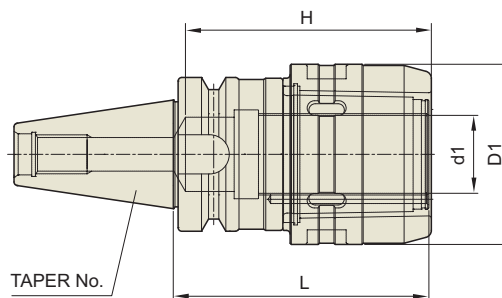
CCT	Taper Accuracy AT3	G Value 6.3	RPM 20,000	Coolant System
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■ CCT (CAT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L
LB020	40	CCT40 - C3/4-4.13HS	0.750	2.050	4.13
LB022		CCT40 - C1-4.13HS	1.000	2.360	4.13
LB024		CCT40 - C1 1/4-4.13HS	1.250	2.835	4.13
LB026		CCT40 - C1 1/4-5.31HS	1.250	2.835	5.31
LC020	50	CCT50 - C3/4-4.13HS	0.750	2.050	4.13
LC022		CCT50 - C1-4.13HS	1.000	2.360	4.13
LC024		CCT50 - C1 1/4-4.13HS	1.250	2.835	4.13
LC026		CCT50 - C1 1/4-5.31HS	1.250	2.835	5.31
LC028		CCT50 - C1 1/4-6.5HS	1.250	2.835	6.50

* COLLETS / WRENCHES FOR MILLING CHUCKS ON PAGE 92.



CBT	Taper Accuracy AT3	G Value 6.3	RPM 20,000	Coolant System
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■ CBT (BT DUAL CONTACT)

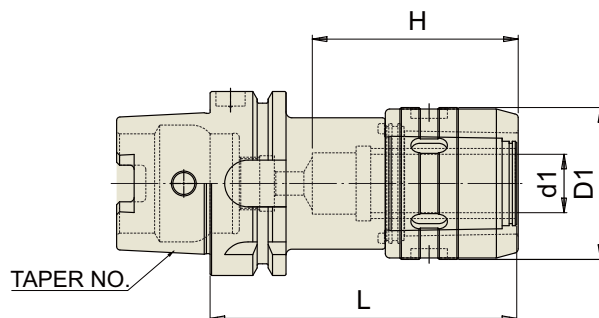
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	L
LE020	40	CBT40 - C3/4-3.15HS	0.750	2.050	3.15
LE022		CBT40 - C3/4-4.13HS	0.750	2.050	4.13
LE024		CBT40 - C1-4.13HS	1.000	2.360	4.13
LE026		CBT40 - C1 1/4-3.54HS	1.250	2.835	3.54
LE028		CBT40 - C1 1/4-4.13HS	1.250	2.835	4.13
LE030		CBT40 - C1 1/4-5.31HS	1.250	2.835	5.31

* COLLETS / WRENCHES FOR MILLING CHUCKS ON PAGE 92.

Milling Chuck

DUAL CONTACT HIGH SPEED MILLING CHUCK HSK



DIN 69893 - HSK	Taper Accuracy	G Value 6.3	RPM 20,000	Coolant System
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■ DIN 69893/ISO 12164-1-HSK FORM A

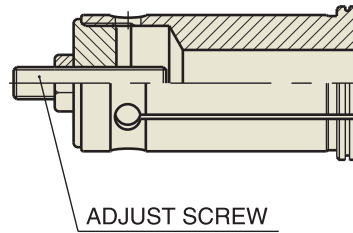
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	L
LQ020	63A	HSK63A - C3/4-4.13HS	0.750	2.050	4.13
LQ022		HSK63A - C1-4.72HS	1.000	2.360	4.72
LQ024		HSK63A - C1 1/4-5.31HS	1.250	2.835	5.31
LR020	100A	HSK100A - C3/4-4.33HS	0.750	2.050	4.33
LR022		HSK100A - C1-5.12HS	1.000	2.360	5.12
LR024		HSK100A - C1 1/4-5.31HS	1.250	2.835	5.31

* COLLETS / WRENCHES FOR MILLING CHUCKS ON PAGE 92.

Milling
Chuck

MILLING CHUCK COLLET



Unit : inch

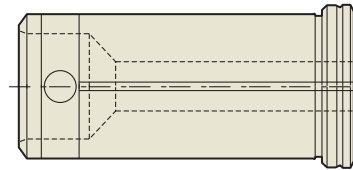
EDP No.	TYPE	D
MZ002	C3/4	1/4
MZ003	C3/4	5/16
MZ004	C3/4	3/8
MZ006	C3/4	1/2
MZ008	C3/4	5/8

Unit : inch

EDP No.	TYPE	D
MZ102	C1	1/4
MZ103	C1	5/16
MZ104	C1	3/8
MZ106	C1	1/2
MZ108	C1	5/8
MZ110	C1	3/4

Unit : inch

EDP No.	TYPE	D
MZ302	C1 1/4	1/4
MZ303	C1 1/4	5/16
MZ304	C1 1/4	3/8
MZ306	C1 1/4	1/2
MZ308	C1 1/4	5/8
MZ310	C1 1/4	3/4
MZ312	C1 1/4	7/8
MZ314	C1 1/4	1"



Unit : inch

EDP No.	TYPE	D
MY002	C3/4	1/4
MY003	C3/4	5/16
MY004	C3/4	3/8
MY006	C3/4	1/2
MY008	C3/4	5/8

Unit : inch

EDP No.	TYPE	D
MY102	C1	1/4
MY103	C1	5/16
MY104	C1	3/8
MY106	C1	1/2
MY108	C1	5/8
MY110	C1	3/4

Unit : inch

EDP No.	TYPE	D
MY302	C1 1/4	1/4
MY303	C1 1/4	5/16
MY304	C1 1/4	3/8
MY306	C1 1/4	1/2
MY308	C1 1/4	5/8
MY310	C1 1/4	3/4
MY312	C1 1/4	7/8
MY314	C1 1/4	1"

WRENCH

Unit : inch

EDP No.	SERIES
ZZ056	C3/4
ZZ057	C1
ZZ058	C1 1/4





ROTARY TOOLING

MORSE TAPER ADAPTER

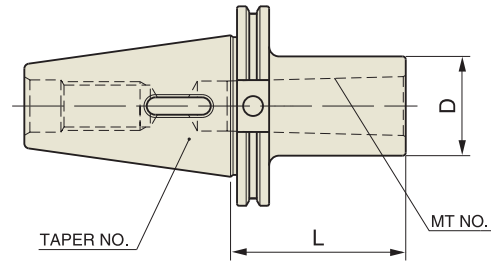


MORSE TAPER ADAPTER

- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403

MORSE TAPER ADAPTER

CAT



ASME B5.50 - CAT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD
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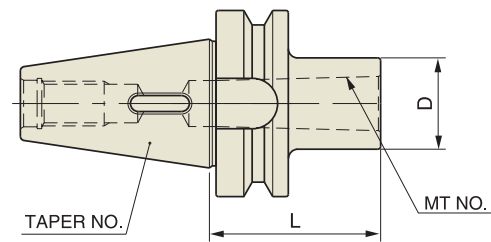
■ ASME B5.50-2009-CAT

Unit : inch

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

MORSE TAPER ADAPTER

BT



JIS B6339 - BT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD
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■ JIS B6339/MAS 403-BT

Unit : inch

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



ROTARY TOOLING

TAPPING CHUCK



TAPPING CHUCK

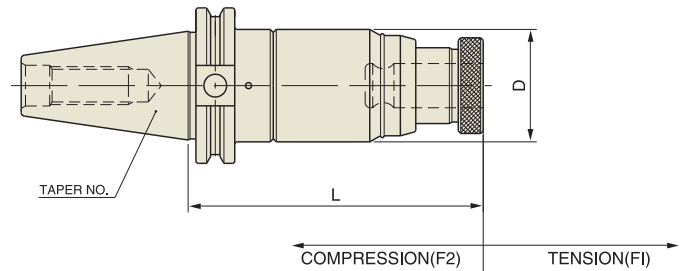
- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403

SYNCHRO TAPPING ER CHUCK

- CAT : ASME B5.50-2009

ACCESSORY & PART

QUICK CHANGE TAP ADAPTER



■ ASME B5.50-2009-CAT

ASME B5.50 - CAT	Taper Accuracy AT3	G Value	RPM	Coolant System
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■ TO USE TAP ADAPTER QCT12

Unit : inch

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
JK048	40	CAT40 - TC #1 - 4.56	1.77	4.56	0.591	0.197
JL048	50	CAT50 - TC #1 - 4.56	1.77	4.56	0.591	0.197

■ TO USE TAP ADAPTER QCT24

Unit : inch

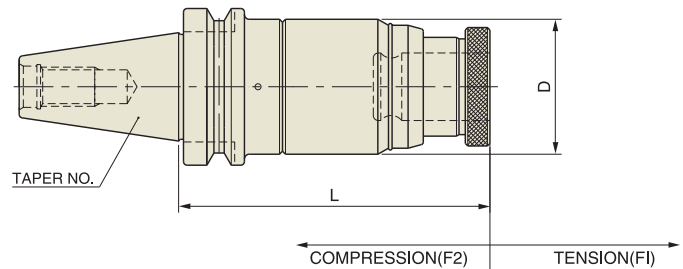
EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
JK049	40	CAT40 - TC #2 - 6.47	2.48	6.47	0.787	0.197
JL049	50	CAT50 - TC #2 - 5.82	2.48	5.82	0.787	0.197

■ TO USE TAP ADAPTER QCT32

Unit : inch

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
JL050	50	CAT50 - TC #3 - 7.75	3.86	7.75	0.984	0.394

* TAP ADAPTERS ARE ON PAGE 99.



■ JIS B6339/MAS 403-BT

JIS B6339 - BT	Taper Accuracy AT3	G Value	RPM	Coolant System
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■ TO USE TAP ADAPTER QCT12

Unit : inch

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
JH048	40	BT40 - TC #1 - 4.53	1.77	4.53	0.591	0.197
JI048	50	BT50 - TC #1 - 4.64	1.77	4.64	0.591	0.197

■ TO USE TAP ADAPTER QCT24

Unit : inch

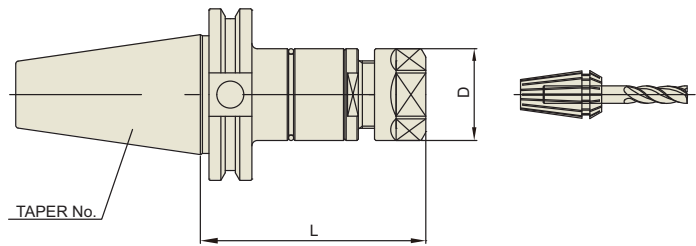
EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
JH049	40	BT40 - TC #2 - 6.72	2.48	6.72	0.787	0.197
JI049	50	BT50 - TC #2 - 6.72	2.48	6.72	0.787	0.197

■ TO USE TAP ADAPTER QCT38

Unit : inch

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
JI050	50	BT50 - TC #3 - 8.33	3.86	8.33	0.984	0.394

* TAP ADAPTERS ARE ON PAGE 99.



ASME B5.50 - CAT	Taper Accuracy AT3	G Value	RPM	Coolant System AD/B
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■ ASME B5.50-2009-CAT

Unit : mm

EDP No.	TAPER No.	MODEL No.	TAP SIZE	CLAMPING RANGE	NUT	D	L
JK060SYT	40	CAT40AD/B-SYTER12-79	M3-M12	3.5-10	ER16	28	79
JK062SYT		CAT40AD/B-SYTER16-85	M3-M16	3.5-10	ER20	35	85
JK064SYT		CAT40AD/B-SYTER20-90	M3-M20	3.5-16	ER25	42	90
JK066SYT		CAT40AD/B-SYTER27-100	M4-M27	3.5-16	ER32	50	100
JK068SYT		CAT40AD/B-SYTER33-105	M4-M33	7-16	ER40	63	105
JL060SYT	50	CAT50AD/B-SYTER12-79	M3-M12	3.5-10	ER16	28	79
JL062SYT		CAT50AD/B-SYTER16-85	M3-M16	3.5-10	ER20	35	85
JL064SYT		CAT50AD/B-SYTER20-90	M3-M20	3.5-16	ER25	42	90
JL066SYT		CAT50AD/B-SYTER27-100	M4-M27	3.5-16	ER32	50	100
JL068SYT		CAT50AD/B-SYTER33-105	M4-M33	7-16	ER40	63	105

* BT(JIS B6339/MAS-403), HSK(DIN 69893/ISO 12164-1) AND K-STRAIGHT TAPER PRODUCTS ARE AVAILABLE. FOR DETAILS , PLEASE DISCUSS SEPARATELY.

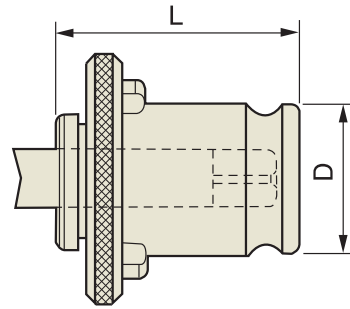
* **FEATURE :**

- 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 .

* APPLICABLE TAP ER COLLETS ON PAGE 71~73.

Tapping Chuck

QUICK CHANGE TAP ADAPTER



■ POSITIVE DRIVE—SOLID TYPE

Unit : inch

EDP No.	ADAPTER SIZE	TAP SIZE RANGE	TAP SIZE	TAP DIA	TAP SQUARE
QCT12001	QCT 12 D = 19mm/0.748" L = 28.5mm/1.122"	0-9/16"	# 0-6	0.141	0.110
QCT12002			# 8	0.168	0.131
QCT12003			# 10	0.194	0.152
QCT12004			# 12	0.220	0.165
QCT12005			1/4	0.255	0.191
QCT12006			5/16	0.318	0.238
QCT12007			3/8	0.381	0.286
QCT12008			7/16	0.323	0.242
QCT12009			1/2	0.367	0.275
QCT12010			9/16	0.429	0.322
QCT12011		1/8" PIPE	1/8pss	0.3125	0.234
QCT12012			1/8pls	0.4370	0.328
QCT24001	QCT 24 D = 31mm/1.220" L = 46mm/1.811"	5/16-7/8"	5/16	0.318	0.238
QCT24002			3/8	0.381	0.286
QCT24003			7/16	0.323	0.242
QCT24004			1/2	0.367	0.275
QCT24005			9/16	0.429	0.322
QCT24006			5/8	0.480	0.360
QCT24007			11/16	0.542	0.406
QCT24008			3/4	0.590	0.421
QCT24009			13/16	0.652	0.489
QCT24010			7/8	0.697	0.523
QCT24011		1/4" - 3/8" 1/2" PIPE	1/4p	0.5620	0.42
QCT24012			3/8p	0.7000	0.531
QCT24013			1/2p	0.6875	0.515
QCT32001	QCT 32 D = 48mm/1.890" L = 69.5mm/2.736"	13/16-1-3/8"	13/16	0.652	0.489
QCT32002			7/8	0.697	0.523
QCT32003			15/16	0.760	0.570
QCT32004			1	0.800	0.600
QCT32005			1-1/8	0.896	0.672
QCT32006			1-1/4	1.021	0.766
QCT32007			1-3/8	1.108	0.831
QCT32008			1/2/3/4 & 1" PIPE	1/2p	0.6875
QCT32009		3/4p		0.9060	0.679
QCT32010			1p	1.1250	0.843

Tapping Chuck

Rotary Tooling

THE WORLD LEADER IN
THE TOOL HOLDER
INDUSTRY

- HYDRAULIC CHUCK
- SHRINK FIT HOLDER
- END MILL HOLDER & SIDE LOCK ARBOR
- ER COLLET CHUCK
- SK SLIM CHUCK
- TG COLLET CHUCK
- MILLING CHUCK
- MORSE TAPER ADAPTER
- TAPPING CHUCK
- SHELL MILL ARBOR
- NC DRILL CHUCK
- JACOBS TAPER ARBOR
- STUB ARBOR
- SLITTING SAW ARBOR
- PULL STUD & TOOL CLAMP

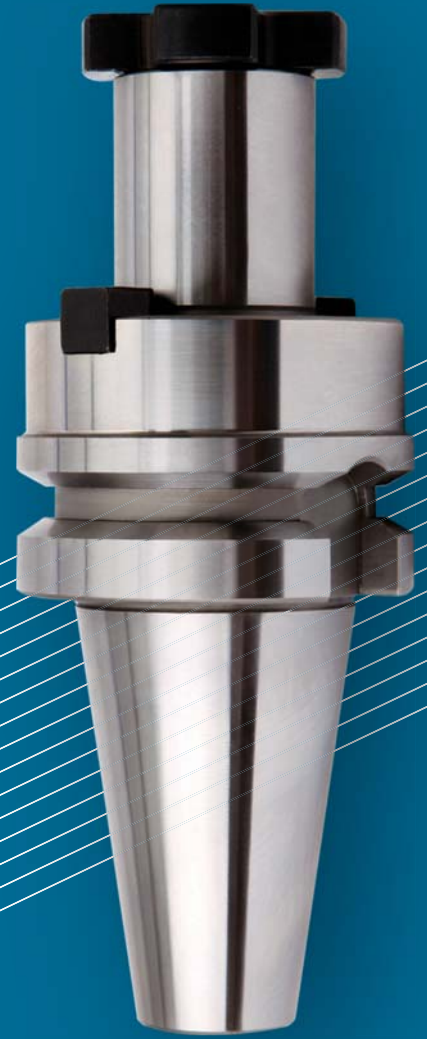


YG-1 CO., LTD.



ROTARY TOOLING

SHELL MILL ARBOR



SHELL MILL ARBOR

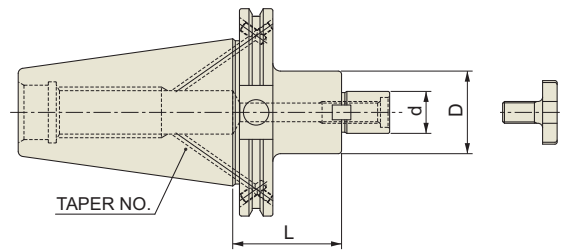
- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403

DUAL CONTACT SHELL MILL ARBOR

- CCT : CAT DUAL CONTACT
- CBT : BT DUAL CONTACT

ACCESSORY & PART

SHELL MILL DRIVE KEY / SHELL MILL LOCK SCREW



■ ASME B5.50-2009-CAT

ASME B5.50 - CAT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD/B
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■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	L	D
EK006B	40	CAT40 AD/B – SMA 1/2 – 1.50	0.500	1.50	1.44
EK010B		CAT40 AD/B – SMA 3/4 – 1.50	0.750	1.50	1.69
EK014B		CAT40 AD/B – SMA 1 – 2.00	1.000	2.00	2.19
EK017B		CAT40 AD/B – SMA 1 1/4 – 2.00	1.250	2.00	2.75
EK021B		CAT40 AD/B – SMA 1 1/2 – 3.00	1.500	3.00	3.81
EL010B	50	CAT50 AD/B – SMA 3/4 – 1.50	0.750	1.50	1.69
EL014B		CAT50 AD/B – SMA 1 – 2.00	1.000	2.00	2.19
EL017B		CAT50 AD/B – SMA 1 1/4 – 2.00	1.250	2.00	2.75
EL021B		CAT50 AD/B – SMA 1 1/2 – 2.50	1.500	2.50	3.81
EL029B		CAT50 AD/B – SMA 2 – 3.00	2.000	3.00	4.88

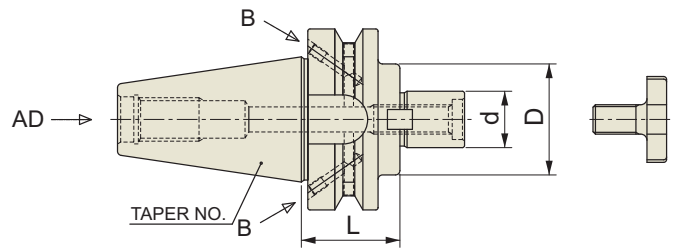
■ EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	L	D
EK306B	40	CAT40 AD/B – SMA 1/2 – 3.50	0.500	3.50	1.44
EK310B		CAT40 AD/B – SMA 3/4 – 3.50	0.750	3.50	1.69
EK314B		CAT40 AD/B – SMA 1 – 4.00	1.000	4.00	2.19
EK317B		CAT40 AD/B – SMA 1 1/4 – 4.00	1.250	4.00	2.75
EK321B		CAT40 AD/B – SMA 1 1/2 – 4.00	1.500	4.00	3.81
EL310B	50	CAT50 AD/B – SMA 3/4 – 3.50	0.750	3.50	1.69
EL314B		CAT50 AD/B – SMA 1 – 4.00	1.000	4.00	2.19
EL317B		CAT50 AD/B – SMA 1 1/4 – 4.00	1.250	4.00	2.75
EL321B		CAT50 AD/B – SMA 1 1/2 – 4.00	1.500	4.00	3.81
EL329B		CAT50 AD/B – SMA 2 – 4.00	2.000	4.00	4.88

* HIGH BALANCED SHELL MILL ARBORS ARE AVAILABLE ON REQUEST
 * DRIVE KEY / LOCK SCREW FOR SHELL MILL ARBORS ON PAGE 106.

Shell Mill Arbor



■ JIS B6339/MAS 403-BT

JIS B6339 - BT	Taper Accuracy AT3	G Value 6.3	RPM 15,000	Coolant System AD/B
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■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	L	D
EH006B	40	BT40 AD/B - SMA 1/2 - 1.75	0.500	1.75	1.44
EH010B		BT40 AD/B - SMA 3/4 - 1.77	0.750	1.77	1.69
EH014B		BT40 AD/B - SMA 1 - 1.77	1.000	1.77	2.19
EH017B		BT40 AD/B - SMA 1 1/4 - 1.81	1.250	1.81	2.75
EH021B		BT40 AD/B - SMA 1 1/2 - 2.36	1.500	2.36	3.81
EI010	50	BT50 - SMA 3/4 - 1.75	0.750	1.75	1.69
EI014		BT50 - SMA 1 - 1.75	1.000	1.75	2.19
EI017		BT50 - SMA 1 1/4 - 1.75	1.250	1.75	2.75
EI021		BT50 - SMA 1/2 - 1.75	1.500	1.75	3.81
EI029		BT50 - SMA 2 - 3.00	2.000	3.00	4.88

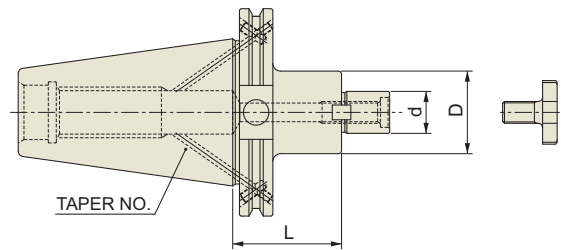
■ EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	L	D
EH306B	40	BT40 AD/B - SMA 1/2 - 3.50	0.500	3.50	1.44
EH310B		BT40 AD/B - SMA 3/4 - 4.13	0.750	4.13	1.69
EH314B		BT40 AD/B - SMA 1 - 4.13	1.000	4.13	2.19
EH317B		BT40 AD/B - SMA 1 1/4 - 4.13	1.250	4.13	2.75
EH321B		BT40 AD/B - SMA 1 1/2 - 4.72	1.500	4.72	3.81
EI310	50	BT50 - SMA 3/4 - 3.50	0.750	3.50	1.69
EI314		BT50 - SMA 1 - 4.00	1.000	4.00	2.19
EI317		BT50 - SMA 1 1/4 - 4.00	1.250	4.00	2.75
EI321		BT50 - SMA 1 1/2 - 4.00	1.500	4.00	3.81
EI329		BT50 - SMA 2 - 4.00	2.000	4.00	4.88

* HIGH BALANCED SHELL MILL ARBORS ARE AVAILABLE ON REQUEST

* DRIVE KEY / LOCK SCREW FOR SHELL MILL ARBORS ON PAGE 106.



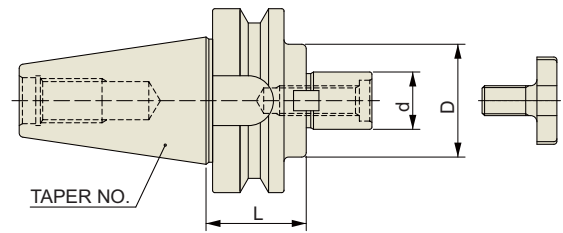
CCT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Coolant System AD/B
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■ CCT (CAT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L	
EB020	40	CCT40 AD/B – SMA1/2–2.36	0.500	1.438	2.360	
EB022		CCT40 AD/B – SMA1/2–4.72	0.500	1.438	4.720	
EB024		CCT40 AD/B – SMA3/4–2.36	0.750	1.688	2.360	
EB026		CCT40 AD/B – SMA3/4–4.72	0.750	1.688	4.720	
EB028		CCT40 AD/B – SMA1–2.36	1.000	2.188	2.360	
EB030		CCT40 AD/B – SMA1–4.72	1.000	2.188	4.720	
EB032		CCT40 AD/B – SMA1–1/4–2.36	1.250	2.750	2.360	
EB034		CCT40 AD/B – SMA1–1/4–4.72	1.250	2.750	4.720	
EC020		50	CCT50 AD/B – SMA1/2–2.95	0.500	1.438	2.950
EC022			CCT50 AD/B – SMA1/2–4.72	0.500	1.438	4.720
EC024	CCT50 AD/B – SMA3/4–2.95		0.750	1.688	2.950	
EC026	CCT50 AD/B – SMA3/4–4.72		0.750	1.688	4.720	
EC028	CCT50 AD/B – SMA1–2.95		1.000	2.188	2.950	
EC030	CCT50 AD/B – SMA1–4.72		1.000	2.188	4.720	
EC032	CCT50 AD/B – SMA1–1/4–2.95		1.250	2.750	2.950	
EC034	CCT50 AD/B – SMA1–1/4–4.72		1.250	2.750	4.720	
EC036	CCT50 AD/B – SMA1–1/2–2.95		1.500	3.813	2.950	
EC038	CCT50 AD/B – SMA1–1/2–4.72		1.500	3.813	4.720	

* DRIVE KEY / LOCK SCREW FOR SHELL MILL ARBORS ON PAGE 106.



CBT	Taper Accuracy AT3	G Value 2.5	RPM 25,000	Coolant System AD
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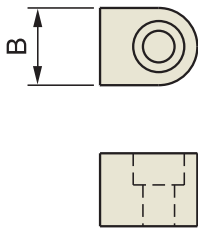
■ CBT (BT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L
ED100	30	CBT30 – SMA1/2–1.97	0.500	1.438	1.970
ED102		CBT30 – SMA3/4–1.97	0.750	1.688	1.970
ED104		CBT30 – SMA1–1.97	1.000	2.188	1.970
ED106		CBT30 – SMA1–1/4–1.97	1.250	2.750	1.970
EE100	40	CBT40 – SMA1/2–2.36	0.500	1.438	2.360
EE102		CBT40 – SMA3/4–2.36	0.750	1.688	2.360
EE104		CBT40 – SMA1–2.36	1.000	2.188	2.360
EE106		CBT40 – SMA1–1/4–2.36	1.250	2.750	2.360

* DRIVE KEY / LOCK SCREW FOR SHELL MILL ARBORS ON PAGE 106.

SHELL MILL DRIVE KEY

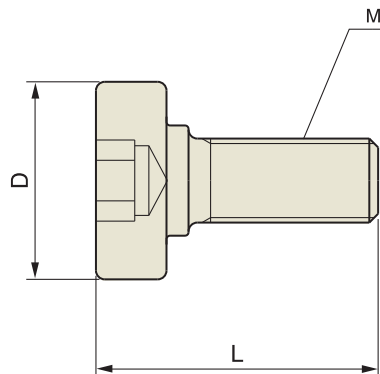


■ SHELL MILL DRIVE KEY

Unit : inch

EDP No.	SERIES	B
ZZ021	SMA 1/2 – KEY	0.25
ZZ022	SMA 3/4 – KEY	0.312
ZZ023	SMA 1" – KEY	0.375
ZZ024	SMA 1 1/4 – KEY	0.5
ZZ025	SMA 1 1/2 – KEY	0.625
ZZ026	SMA 2" – KEY	0.75

SHELL MILL LOCK SCREW



■ SHELL MILL LOCK SCREW

Unit : inch

EDP No.	TYPE(M)	L	D	SERIES
ZZ031	UNF 1/4 – 28	0.906	0.618	SMA 1/2 – SCREW
ZZ032	UNF 3/8 – 24	1.26	0.882	SMA 3/4 – SCREW
ZZ033	UNF 1/2 – 20	1.69	1.181	SMA 1" – SCREW
ZZ034	UNF 5/8 – 18	2.05	1.5	SMA 1 1/4 – SCREW
ZZ035	UNF 3/4 – 16	2.36	1.88	SMA 1 1/2 – SCREW
ZZ036	UN 1" – 14	2.52	2.5	SMA 2" – SCREW



ROTARY TOOLING

NC DRILL CHUCK



NC DRILL CHUCK

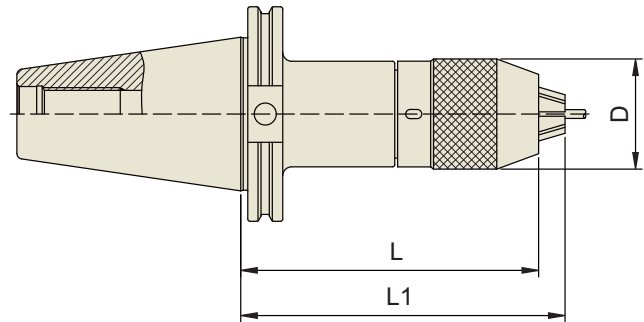
- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403

DUAL CONTACT NC DRILL CHUCK

- HSK : DIN 69893/ISO 12164-1

STRAIGHT NC DRILL CHUCK

- K (STRAIGHT)

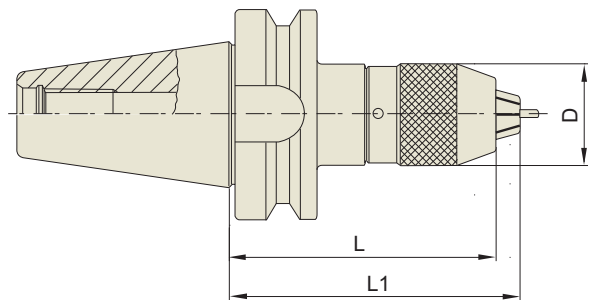


ASME B5.50 - CAT	Taper Accuracy AT3	G Value	RPM	Coolant System
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■ ASME B5.50-2009-CAT

Unit : inch

EDP No.	TAPER No.	MODEL No.	D	L	L1
RK020	40	CAT40 – NPU8-2.76	1.437	2.756	2.980
RK022		CAT40 – NPU8-4.33	1.437	4.331	4.555
RK024		CAT40 – NPU8-5.91	1.437	5.906	5.906
RK026		CAT40 – NPU13-3.54	1.984	3.543	3.937
RK028		CAT40 – NPU13-5.12	1.984	5.118	5.512
RK030		CAT40 – NPU13-5.91	1.984	5.906	6.299
RL020		50	CAT50 – NPU8-3.54	1.437	3.543
RL022	CAT50 – NPU8-4.33		1.437	4.331	4.555
RL024	CAT50 – NPU8-6.69		1.437	6.693	6.917
RL026	CAT50 – NPU13-3.94		1.984	3.937	4.331
RL028	CAT50 – NPU13-5.12		1.984	5.118	5.512
RL030	CAT50 – NPU13-5.91		1.984	5.906	6.299
RL032	CAT50 – NPU13-6.69		1.984	6.693	7.087



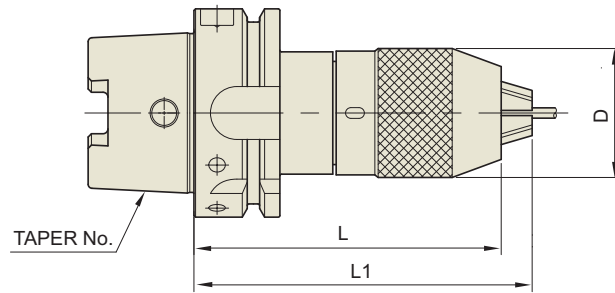
JIS B6339 - BT	Taper Accuracy AT3	G Value	RPM	Coolant System
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■ JIS B6339/MAS 403-BT

Unit : mm

EDP No.	TAPER No.	MODEL No.	RANGE	D	L(MIN)	L1(MAX)
RG100	30	BT30 - NPU 8-70	0.3~8	36.5	70	75.7
RG102		BT30 - NPU 13-100	1~13	50.4	100	110
RH100	40	BT40 - NPU 8-70	0.3~8	36.5	70	75.7
RH102		BT40 - NPU 8-110	0.3~8	36.5	110	115.7
RH104		BT40 - NPU 8-150	0.3~8	36.5	150	155.7
RH106		BT40 - NPU 13-90	1~13	50.4	90	95.7
RH108		BT40 - NPU 13-130	1~13	50.4	130	140
RH110		BT40 - NPU 13-150	1~13	50.4	150	160

* CHUCKING LENGTH
 - NPU8 : 20mm
 - NPU13 : 28mm



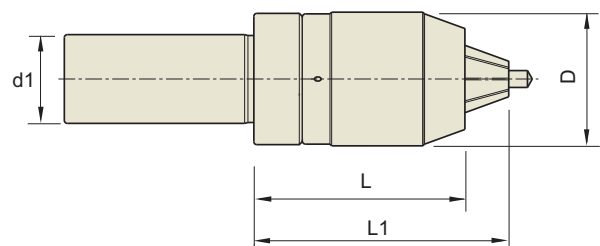
DIN 69893 - HSK	Taper Accuracy	G Value	RPM	Coolant System
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■ DIN 69893/ISO 12164-1-HSK FORM A

Unit : mm

EDP No.	TAPER No.	MODEL No.	CAPACITY	D	L(MIN)	L1(MAX)
RQ100	63A	HSK63A - NPU 8-125	0.3 - 8	36.5	125	130.7
RQ102		HSK63A - NPU13-150	1 - 13	50.4	150	160
RR100	100A	HSK100A - NPU 8-130	0.3 - 8	36.5	130	135.7
RR102		HSK100A - NPU13-1510	1 - 13	50.4	150	160

STRAIGHT NC DRILL CHUCK



■ STRAIGHT-K

Unit : mm

EDP No.	TYPE	MODEL No.	RANGE	D	L(MIN)	L1(MAX)	d1
RS100	32	K32 - NPU 8-70	0.3~8	36.5	70	75.7	32.0
RS102		K32 - NPU 13-100	1~13	50.4	100	110	32.0
RS104	42	K42 - NPU 8-70	0.3~8	36.5	70	75.7	42.0
RS106		K42 - NPU 13-100	1~13	50.4	100	110	42.0



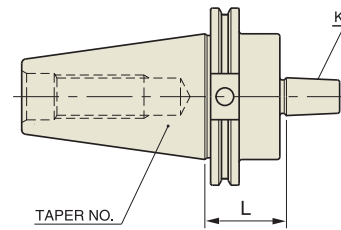
ROTARY TOOLING

JACOBS TAPER ARBOR



JACOBS TAPER ARBOR

- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403

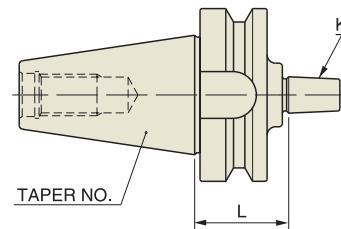


ASME B5.50 - CAT	Taper Accuracy AT3	G Value	RPM	Coolant System
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■ ASME B5.50-2009-CAT

Unit : inch

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



JIS B6339 - BT	Taper Accuracy AT3	G Value	RPM	Coolant System
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■ JIS B6339/MAS 403-BT

Unit : inch

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



ROTARY TOOLING

STUB ARBOR

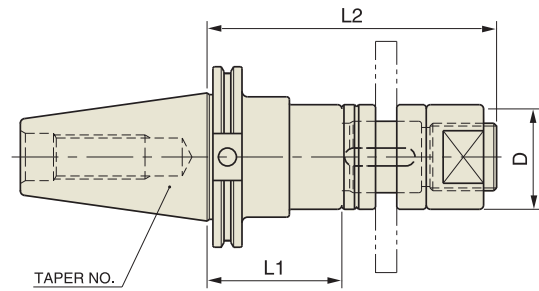


STUB ARBOR

- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403

ACCESSORY & PART

NUT / KEY / SPACER



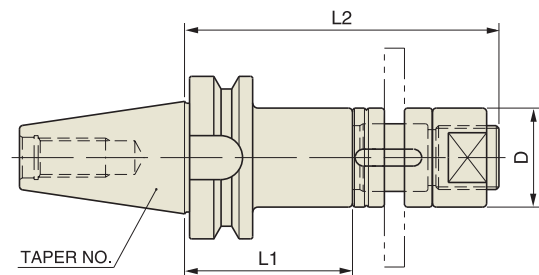
■ ASME B5.50-2009-CAT

ASME B5.50 - CAT	Taper Accuracy AT3	G Value	RPM	Coolant System
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■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CUTTER SIZE I,D	L1	D	L2
PK014	40	CAT40 – STUB 1 – 4.00	1.000	4.00	1.56	6.25
PK017		CAT40 – STUB 1 1/4 – 4.00	1.250	4.00	1.87	6.50
PK021		CAT40 – STUB 1 1/2 – 4.00	1.500	4.00	2.12	6.75
PL014	50	CAT50 – STUB 1 – 4.00	1.000	4.00	1.56	6.25
PL017		CAT50 – STUB 1 1/4 – 4.00	1.250	4.00	1.87	6.50
PL021		CAT50 – STUB 1 1/2 – 4.00	1.500	4.00	2.12	6.75



■ JIS B6339/MAS 403-BT

JIS B6339 - BT	Taper Accuracy AT3	G Value	RPM	Coolant System
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■ STANDARD

Unit : inch

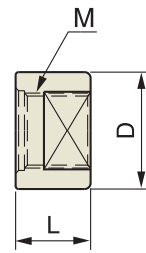
EDP No.	TAPER No.	MODEL No.	CUTTER SIZE I,D	L1	D	L2
PH014	40	BT40 – STUB 1 – 3.00	1.000	3.00	1.56	5.25
PH017		BT40 – STUB 1 1/4 – 3.00	1.250	3.00	1.87	5.50
PH021		BT40 – STUB 1 1/2 – 3.00	1.500	3.00	2.12	5.75
PI014	50	BT50 – STUB 1 – 4.00	1.000	4.00	1.56	6.25
PI017		BT50 – STUB 1 1/4 – 4.00	1.250	4.00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

* NUTS / KEY / SPACER FOR STUB ARBORS ON PAGE 115.

NUT

Unit : inch

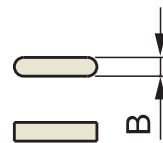
EDP No.	TYPE(M)	L	D	SERIES
ZZ041	UNF 1 -12	1.00	1.56	STUB 1"
ZZ046	UNF1 1/4-12	1.25	1.87	STUB 1 1/4
ZZ052	UNF1 1/2-12	1.50	2.12	STUB 1 1/2



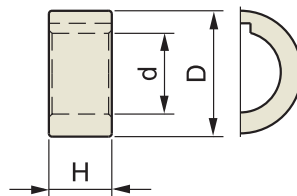
KEY

Unit : inch

EDP No.	SERIES	B
ZZ042	STUB 1	0.25
ZZ047	STUB 1 1/4	0.312
ZZ054	STUB 1 1/2	0.375



SPACER



Unit : inch

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

EDP No.	TYPE	H	D	d	SERIES
ZZ048	1/4 - SPACER	0.25	1.87	1.25	STUB 1 1/4
ZZ049	3/8 - SPACER	0.375	1.87	1.25	STUB 1 1/4
ZZ050	3/4 - SPACER	0.75	1.87	1.25	STUB 1 1/4

EDP No.	TYPE	H	D	d	SERIES
ZZ037	1/4 - SPACER	0.25	2.12	1.50	STUB 1 1/2
ZZ038	3/8 - SPACER	0.375	2.12	1.50	STUB 1 1/2
ZZ039	3/4 - SPACER	0.75	2.12	1.50	STUB 1 1/2

Rotary Tooling

THE WORLD LEADER IN
THE TOOL HOLDER
INDUSTRY

- HYDRAULIC CHUCK
- SHRINK FIT HOLDER
- END MILL HOLDER & SIDE LOCK ARBOR
- ER COLLET CHUCK
- SK SLIM CHUCK
- TG COLLET CHUCK
- MILLING CHUCK
- MORSE TAPER ADAPTER
- TAPPING CHUCK
- SHELL MILL ARBOR
- NC DRILL CHUCK
- JACOBS TAPER ARBOR
- STUB ARBOR
- SLITTING SAW ARBOR
- PULL STUD & TOOL CLAMP



YG-1 CO., LTD.



ROTARY TOOLING

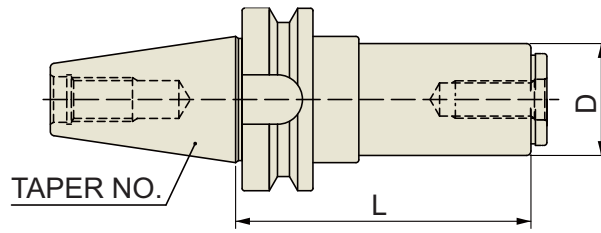
SLITTING SAW ARBOR

SLITTING SAW ARBOR

- CAT : ASME B5.50-2009
- BT : JIS B6339/MAS 403

ACCESSORY & PART

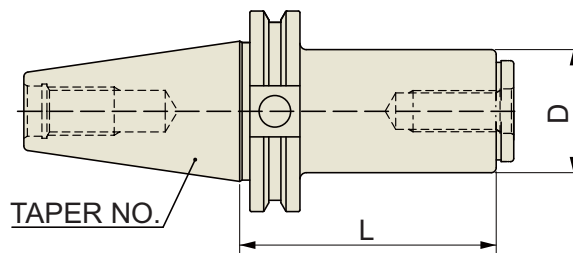
CAP



■ ASME B5.50-2009-CAT

Unit : inch

EDP No.	TAPER No.	MODEL No.	COLLET SERIES	L	D
QK014	40	CAT40 - SSA 1" - 4.00	1,000	4.00	1.50
QK017		CAT40 - SSA 1 1/4 - 4.00	1,250	4.00	2.00
QL014	50	CAT50 - SSA 1" - 4.00	1,000	4.00	1.50
QL017		CAT50 - SSA 1 1/4 - 4.00	1,250	4.00	2.00



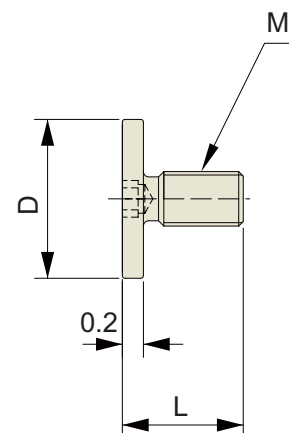
■ JIS B6339/MAS 403-BT

Unit : inch

EDP No.	TAPER No.	MODEL No.	COLLET SERIES	L	D
QH014	40	BT40 - SSA 1" - 4.00	1,000	4.00	1.50
QH017		BT40 - SSA 1 1/4 - 4.00	1,250	4.00	2.00

Unit : inch

EDP No.	TYPE	L	D
ZZ051	UNF 1/2 - 20	1.02	1.50
ZZ053	UNF 5/8 - 18	1.30	2.00





ROTARY TOOLING

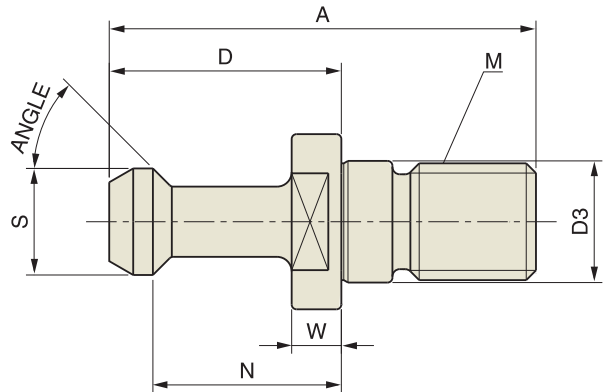
PULL STUD & TOOL CLAMP



PULL STUD

TOOL CLAMP

PULL STUD



EDP NO.	MODEL No.	Angle	S	P	D3	A	N	D	W	M
SK661	CAT-40 ANSI C	45°	0.740	0.490	0.490	1.500	0.440	0.640	0.120	5/8-11
SL661	CAT-50 ANSI C	45°	1.140	0.820	0.820	2.300	0.700	1.000	0.200	1-8
SK561	CAT-40 ANSI	45°	0.740	0.490	0.490	1.500	0.440	0.640	0.120	5/8-11
SL561	CAT-50 ANSI	45°	1.140	0.820	0.820	2.300	0.700	1.000	0.200	1-8
SK761	CAT-40 TYPE I	45°	0.590	0.394	0.512	2.250	0.990	1.266	0.120	5/8-11
SK762	CAT-40 TYPE II	60°	0.590	0.394	0.512	2.250	0.990	1.266	0.120	5/8-11
SK763	CAT-40 TYPE III	90°	0.590	0.394	0.512	2.250	0.990	1.266	0.120	5/8-11
SK861	CAT-40 TYPE I C	45°	0.590	0.394	0.512	2.250	0.990	1.266	0.120	5/8-11
SK862	CAT-40 TYPE II C	60°	0.590	0.394	0.512	2.250	0.990	1.266	0.120	5/8-11
SK863	CAT-40 TYPE III C	90°	0.590	0.394	0.512	2.250	0.990	1.266	0.120	5/8-11
SL761	CAT-50 TYPE I	45°	0.906	0.669	0.827	3.346	1.377	1.772	0.390	1-8
SL762	CAT-50 TYPE II	60°	0.906	0.669	0.827	3.346	1.377	1.772	0.390	1-8
SL763	CAT-50 TYPE III	90°	0.906	0.669	0.827	3.346	1.377	1.772	0.390	1-8
SL861	CAT-50 TYPE I C	45°	0.906	0.669	0.827	3.346	1.377	1.772	0.390	1-8
SL862	CAT-50 TYPE II C	60°	0.906	0.669	0.827	3.346	1.377	1.772	0.390	1-8
SL863	CAT-50 TYPE III C	90°	0.906	0.669	0.827	3.346	1.377	1.772	0.390	1-8
SH061	BT-40 PS 1	45°	0.590	0.394	0.669	2.360	1.102	1.378	0.230	M16
SI061	BT-50 PS 5	45°	0.905	0.669	0.984	3.346	1.377	1.772	0.390	M24
SH062	BT-40 PS 2	60°	0.590	0.394	0.669	2.360	1.102	1.378	0.230	M16
SI062	BT-50 PS 6	60°	0.905	0.669	0.984	3.346	1.377	1.772	0.390	M24
SH063	BT-40 PS 8	90°	0.590	0.394	0.669	2.360	1.102	1.378	0.230	M16
SI063	BT-50 PS 0	90°	0.905	0.669	0.984	3.346	1.377	1.772	0.390	M24
SK161	CAT-40 TYPE I	45°	0.590	0.394	0.512	2.250	0.990	1.266	0.236	5/8-11
SK162	CAT-40 TYPE II	60°	0.590	0.394	0.512	2.250	0.990	1.266	0.236	5/8-11
SK163	CAT-40 TYPE III	90°	0.590	0.394	0.512	2.250	0.990	1.266	0.236	5/8-11
SK261	CAT-40 TYPE I C	45°	0.590	0.394	0.512	2.250	0.990	1.266	0.236	5/8-11
SK262	CAT-40 TYPE II C	60°	0.590	0.394	0.512	2.250	0.990	1.266	0.236	5/8-11
SK263	CAT-40 TYPE III C	90°	0.590	0.394	0.512	2.250	0.990	1.266	0.236	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.

EDP No.	MODEL No.	SHANK FLANGE TYPE
RK099	TCT-40	CAT-40
RH099	TBT-40	BT-40
RL099	TCT-50	CAT-50
RM099	TBT-50	BT-50

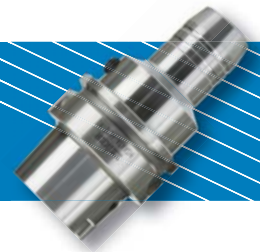
*AVAILABLE IN ALL TAPERS.

FEATURES :

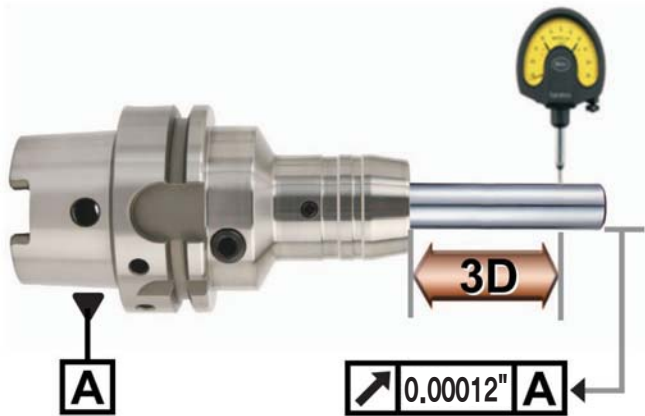
- * ACCESS BOTH ENDS OF YOUR TOOL HOLDERS SIMULTANEOUSLY
- * MINIMIZES TOOL HOLDERS HANDLING
- * SPEEDS UP YOUR OPERATIONS
- * CONVENIENT



TECHNICAL INFORMATION HYDRAULIC CHUCK

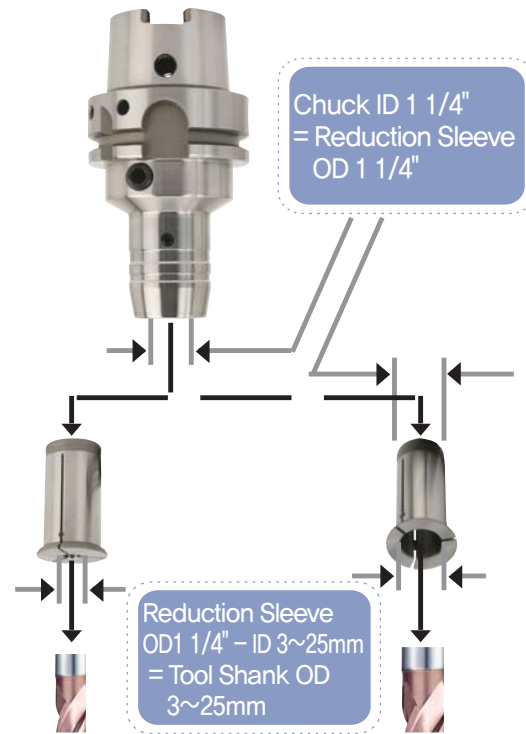


➤ High precision T.I.R :
 $\leq 0,00012''$ (Without Reduction Sleeve)

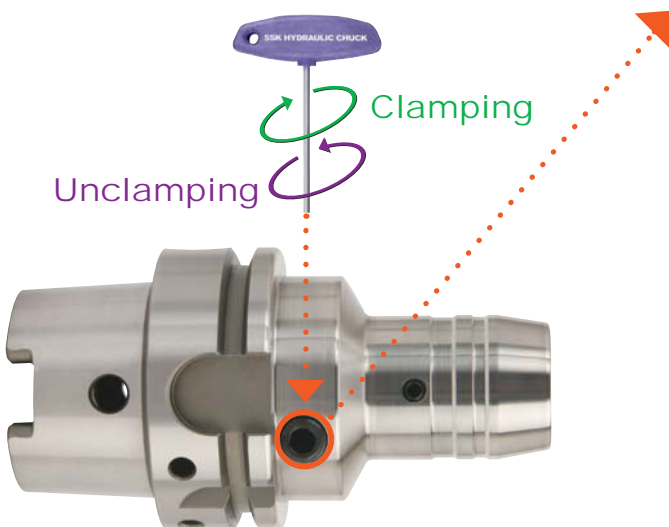


- Less than 0,00012'' T.I.R
 => Suitable for high-speed precision machining

➤ Flexible use of cutting tools by using reduction sleeves

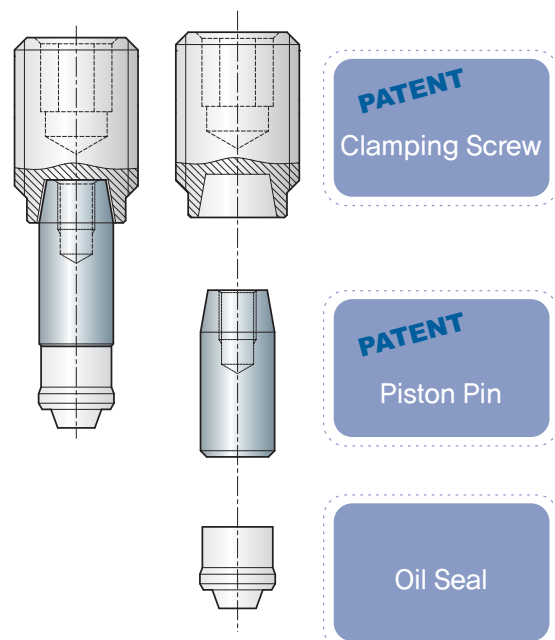


➤ Easy Tool Change

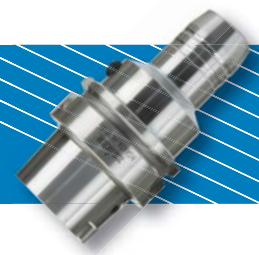


- Easy clamping and unclamping by use of T wrench
 => Reducing tool change time

CLAMPING SCREW



TECHNICAL INFORMATION HYDRAULIC CHUCK



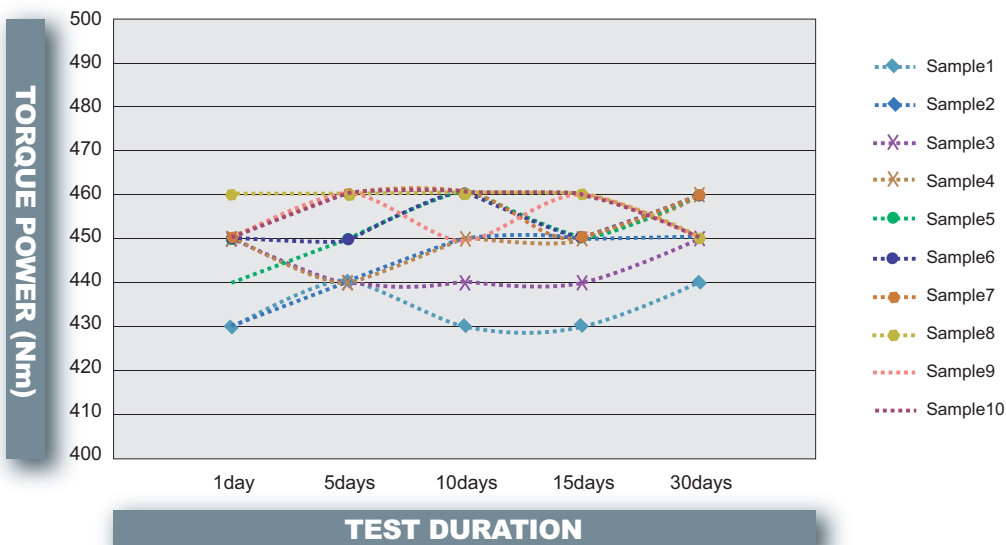
Strong Torque Power

Hydraulic Chuck ID (mm)	Tool Shank OD (mm)	Applicable RPM	Minimum clamping depth (mm)	Min. Torque Power (Nm)
6	6	25,000	27	16
8	8	25,000	27	23
10	10	25,000	32	45
12	12	25,000	27	90
14	14	25,000	37	110
16	16	25,000	42	185
18	18	25,000	42	240
20	20	25,000	42	330
25	25	25,000	48	400
32	32	25,000	55	650

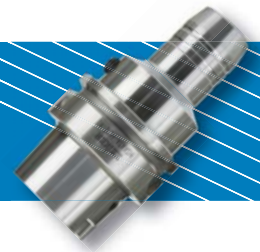
- Tool holder ID Tolerance : H6
- Operating Temperature : 68~122 °F
- Maximum oil pressure of coolant oil



Test of torque power and hydraulic oil leakage

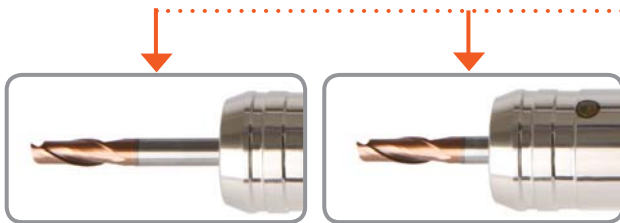
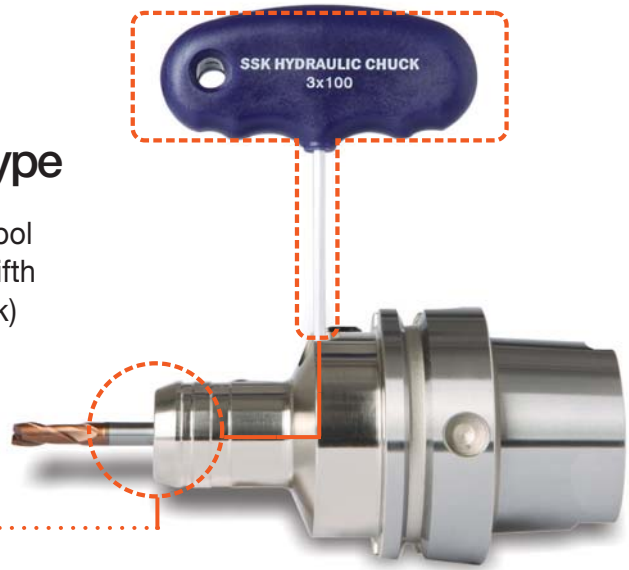


- TEST Model : BT40AD/B-HC20S-72,5
- No oil leakage for long period ⇒ Maintaining stable torque power



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

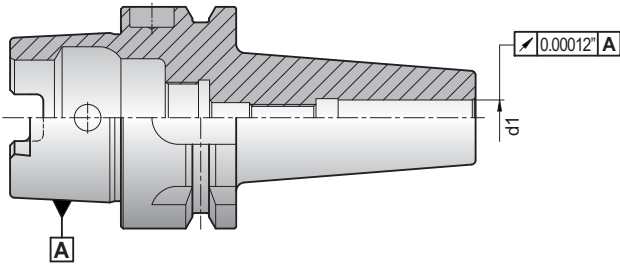
Milling	High Speed Cutting	Fine Drilling
Reaming	Tapping & Thread Milling	Chamfering

TECHNICAL INFORMATION

SHRINK FIT HOLDER

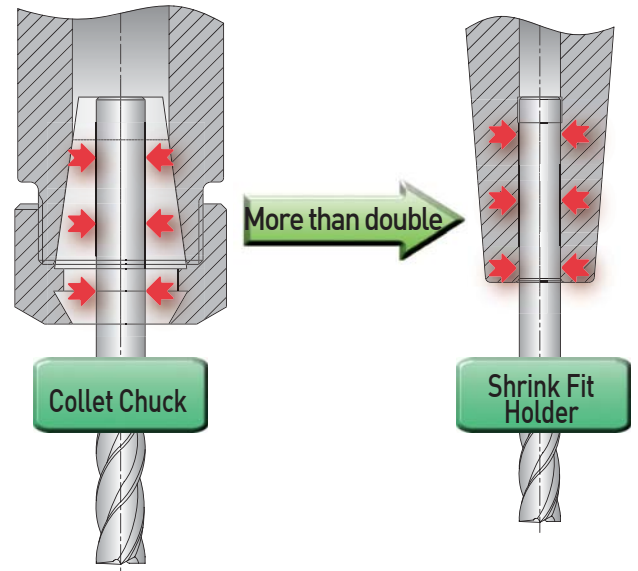


High Precision ID
Run-out : $\leq 0.00012''$



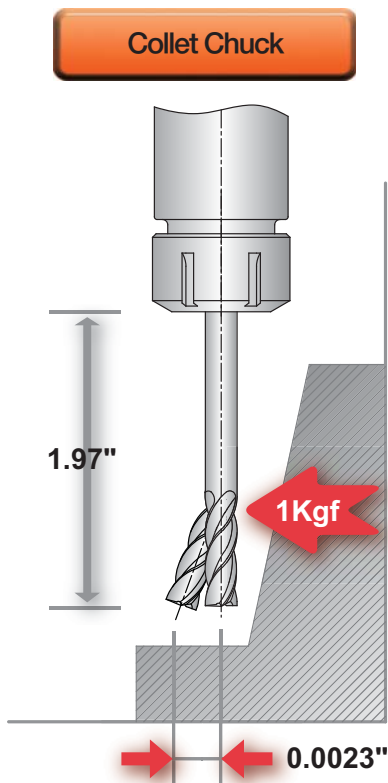
• Less than 0.00012" of Tool Holder accuracy at I.D.

Strong and consistent torque power

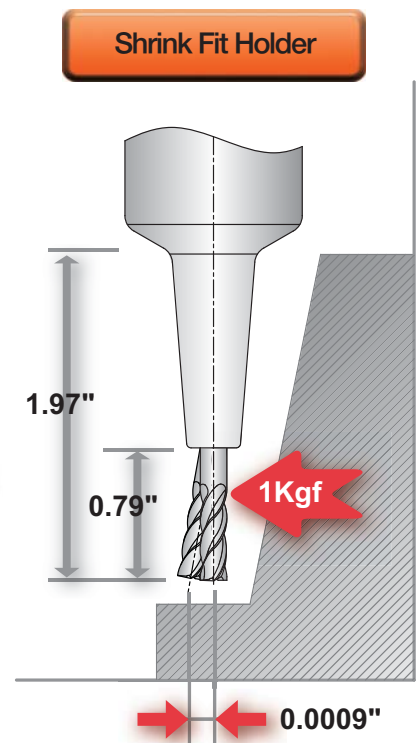


• Achieving strong torque power by integration of chuck and tool

Deep hole Machining



Accuracy difference of deep hole machining is 2.6 times or more



• Suitable for high-speed precision deep hole machining

TECHNICAL INFORMATION

SHRINK FIT HOLDER



APPLICATION		
Rough Milling	Finish Milling	High Speed Cutting
Drilling	Reaming	Countersinking

Shank type of cutting tool

Material of cutting tool

Straight shank



One weldon flat shaft type

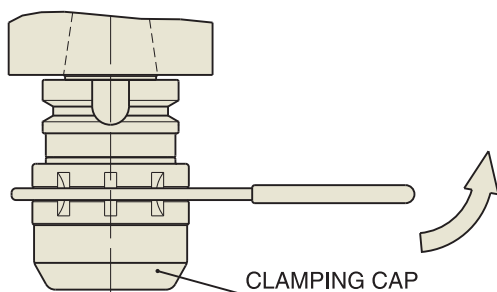


• One Weldon flat shaft type tool is usable, but there is a possibility that the I.D of shrink fit holder may be deformed.



SPECIAL FEATURES

CLAMPING



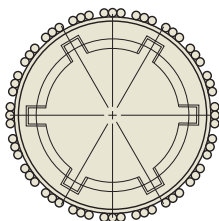
TOOL CLAMPING

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.

STRUCTURE



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.

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**

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

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

TAPER	AT3
#30	0,000078"
#40	0,00012"
#50	0,00016"

MEMO



MEMO





**THE WORLD LEADER IN
THE TOOL HOLDER INDUSTRY**



YG-1 CO., LTD.

HYDRAULIC CHUCK ■ SHRINK FIT HOLDER ■ END MILL HOLDER & SIDE LOCK ARBOR ■ ER COLLET CHUCK ■ SK SLIM CHUCK
TG COLLET CHUCK ■ MILLING CHUCK ■ MORSE TAPER ADAPTER ■ TAPPING CHUCK ■ SHELL MILL ARBOR ■ NC DRILL CHUCK
JACOBS TAPER ARBOR ■ STUB ARBOR ■ SLITTING SAW ARBOR ■ PULL STUD & TOOL CLAMP

Hydraulic
Chuck

Shrink Fit
Holder

End Mill Holder &
Side Lock Arbor

ER Collet
Chuck

SK Slim
Chuck

TG Collet
Chuck

Milling
Chuck

Morse Taper
Adapter

Tapping
Chuck

Shell Mill
Arbor

NC Drill
Chuck

Jacobs Taper
Arbor

Stub Arbor

Sitting Saw
Arbor

Pull Stud &
Tool Clamp

THE WORLD LEADER IN THE TOOL HOLDER INDUSTRY

HYDRAULIC CHUCK ■ SHRINK FIT HOLDER ■ END MILL HOLDER & SIDE LOCK ARBOR ■ ER COLLET CHUCK ■ SK SLIM CHUCK
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JACOBS TAPER ARBOR ■ STUB ARBOR ■ SLITTING SAW ARBOR ■ PULL STUD & TOOL CLAMP

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Technical Assistance : 888-868-5988

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Tool holder specifications are subject to change without notice.