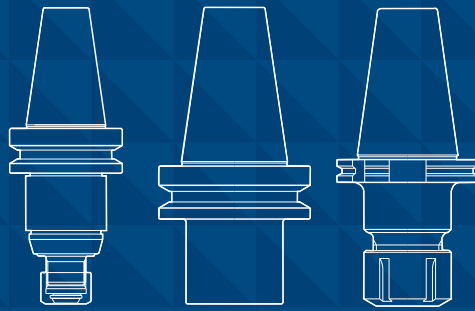


YU25
AMERICA
2025 / 2026



CUTTING TOOLS



TOOLING SYSTEM

YG-1 CO., LTD.

ROTARY TOOL HOLDERS

HYDRAULIC CHUCK

SHRINK FIT HOLDER

END MILL HOLDER & SIDE LOCK ARBOR

ER COLLET CHUCK

SK SLIM CHUCK

TG COLLET CHUCK

POWER MILLING CHUCK

MORSE TAPER ARBOR

TAPPING CHUCK

ONE STEP TAPPING CHUCK

SHELL MILL ARBOR

NC DRILL CHUCK

JACOBS TAPER ARBOR

STUB ARBOR

SLITTING SAW ARBOR

ACCESSORY

TECHNICAL INFORMATION


SELECTION GUIDE

PRODUCTS	DESCRIPTION	PAGE
	HYDRAULIC CHUCK	D5
	CAT40, CAT50	D6
	CCT40, CCT50	D13
	BT30, BT40, BT50	D16
	CBT30, CBT40	D22
	HSK63A, HSK100A	D25
	TEST PIECE	D30
	HYDRAULIC CHUCK COLLECT (REDUCTION SLEEVE)	D31
	SHRINK FIT HOLDER	D39
	CAT40, CAT50	D40
	CCT40, CCT50	D50
	BT30, BT40, BT50	D58
	CBT30, CBT40, CBT50	D70
	HSK63A, HSK100A	D82
	EXTENSION (STRAIGHT)	D92
	END MILL HOLDER & SIDE LOCK ARBOR	D95
	CAT40, CAT50	D96
	CCT40, CCT50 SIDE LOCK ARBOR	D105
	BT40, BT50	D106
	CBT30, CBT40 SIDE LOCK ARBOR	D114
	HSK63A, HSK100A	D115
SIDE LOCK BOLT	D118	
	ER COLLET CHUCK	D119
	CAT40, CAT50	D120
	BT40, BT50	D122
	HSK63A, HSK100A	D125
	SHORT, STRAIGHT-K	D126
	NC ER For CNC LATHE	D127
	ER COLLET	D128
	NUT, WRENCH, STOP SCREW	D137
	SK SLIM CHUCK	D139
	CAT40, CAT50	D140
	CCT40, CCT50	D141
	CBT30, CBT40	D142
	HSK63A, HSK100A	D143
	STRAIGHT-K	D144
	SK COLLET	D145
	NUT, WRENCH	D148

SELECTION GUIDE

PRODUCTS	DESCRIPTION	PAGE	
	TG COLLET CHUCK	D149	
	CAT40, CAT50	D150	
	BT40, BT50	D151	
	NUT, WRENCH, STOP SCREW	D152	
	POWER MILLING CHUCK	D153	
	CAT40, CAT50	D154	
	CCT40, CCT50 HIGH SPEED	D155	
	BT40, BT50	D156	
	CBT40 HIGH SPEED	D157	
	HSK63A, HSK100A HIGH SPEED	D157	
COLLET, WRENCH	D158		
	MORSE TAPER ARBOR	D159	
	CAT40, CAT50	D160	
	BT40, BT50	D160	
	TAPPING CHUCK	D161	
	QUICK CHANG TYPE	CAT40, CAT50	D162
		BT40, BT50	D163
	SYNCHRO TAPPING ER CHUCK	CAT40, CAT50	D164
		BT40, BT50	D165
		HSK63A	D166
		STRAIGHT-KW	D167
	TAP ADAPTOR	D168	
	ONE STEP TAPPING CHUCK	D169	
	CAT40, CAT50	D170	
	BT40, BT50	D170	
	HSK63A, HSK100A	D171	
	STRAIGHT-KW	D171	
	TAP ADAPTOR	D172	
	SHELL MILL ARBOR	D175	
	CAT40, CAT50	D176	
	CCT40, CCT50	D179	
	BT40, BT50	D181	
	CBT30, CBT40	D183	
	HSK63A, HSK100A	D185	
	FLANGE MOUNTING TYPE	CAT50, BT50, HSK100A	D187
	COLLAR BOLT, DRIVE KEY, COLLAR BOLT		D188

SELECTION GUIDE

PRODUCTS	DESCRIPTION	PAGE
	NC DRILL CHUCK	D191
	KEYLESS TYPE	
	CAT40, CAT50	D192
	BT30, BT40	D193
	HSK63A, HSK100A	D194
	STRAIGHT-K	D194
	HEX. KEY TYPE	
CAT40	D195	
BT40	D195	
HSK63A	D196	
	JACOBS TAPER ARBOR	D197
	CAT40, CAT50	D198
	BT40, BT50	D198
	STUB ARBOR	D199
	CAT40, CAT50	D200
	BT40, BT50	D200
	NUT, KEY, SPACER	D201
	SLITTING SAW ARBOR	D203
	CAT40, CAT50	D204
	BT40	D204
	CAP	D204
	ACCESSORY	D205
	PULL STUD	D206
	TOOL CLAMP	D207
	COOLANT TUBE	D207
TECHNICAL INFORMATION		D208

YG-1 ROTARY TOOLING

HYDRAULIC CHUCK

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



HYDRAULIC CHUCK

CAT : ASME B5.50-2009

CCT : CAT DUAL CONTACT

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

CBT : BT DUAL CONTACT

HSK : DIN69893/ISO12164-1

ACCESSORY & PARTS

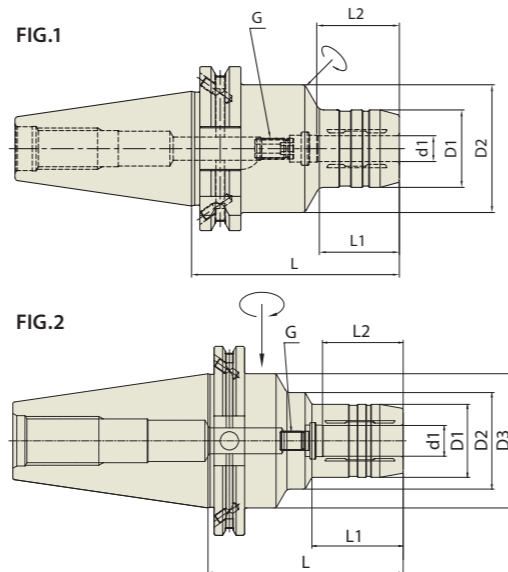
TEST PIECE

REDUCTION SLEEVE(OPEN TYPE/CLOSED TYPE)

HYDRAULIC CHUCK

CAT

HYDRAULIC CHUCK



Collet(reduction sleeves) Refer to page D31-D38

ASME B5.50 - CAT, AT3, 2.5G, 25,000 RPM, (at 3D) ≤.00012, AD/B

ASME B5.50-2009-CAT

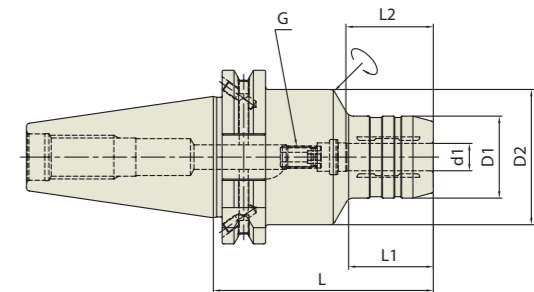
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L1	L2	G	FIG.
WK020	40	CAT40 AD/B - HC 1/4 - 4.00	.250	1.024	1.750	-	4.000	1.280	1.063	M5x0.8mm	1
WK022		CAT40 AD/B - HC 3/8 - 4.00	.375	1.181	1.750	-	4.000	1.634	1.260	M6x1.0mm	1
WK024		CAT40 AD/B - HC 1/2 - 4.00	.500	1.260	1.750	-	4.000	1.634	1.457	M10x1.0mm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

Unit : inch

HYDRAULIC CHUCK

CAT

HYDRAULIC CHUCK



Collet(reduction sleeves) Refer to page D31-D38

ASME B5.50 - CAT, AT3, 2.5G, 25,000 RPM, (at 3D) ≤.00012, AD/B

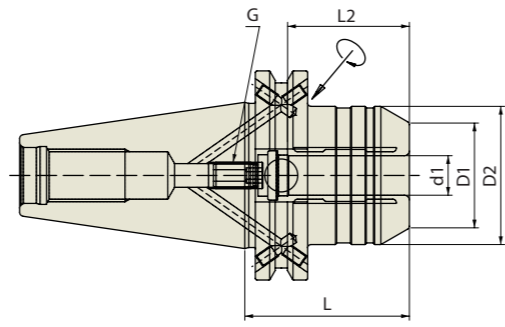
ASME B5.50-2009-CAT

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

YIG HYDRAULIC CHUCK

CAT

HYDRAULIC CHUCK (Power E Hydro)



Collet(reduction sleeves) Refer to page D31-D38

ASME B5.50 - CAT AT3 2.5G 25,000 RPM (at 3D) ≤.00012 AD/B

ASME B5.50-2009-CAT

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
WK022PE	40	CAT40 AD/B - HC 3/4P - 2.539	.750	1.545	1.938	2.539	1.889	M8x1.0mm
WK023PE		CAT40 AD/B - HC 3/4P - 4.000	.750	1.545	1.938	4.000	1.889	M8x1.0mm
WK024PE		CAT40AD/B - HC 1P - 3.543	1.000	1.889	2.067	3.543	2.244	M8x1.0mm
WL028PE	50	CAT50 AD/B - HC 1 1/4P - 3.188	1.250	2.303	2.834	3.188	2.244	M8x1.0mm
WL030PE		CAT50 AD/B - HC 1 1/4P - 6.000	1.250	2.303	2.834	6.000	2.244	M8x1.0mm

Unit : mm

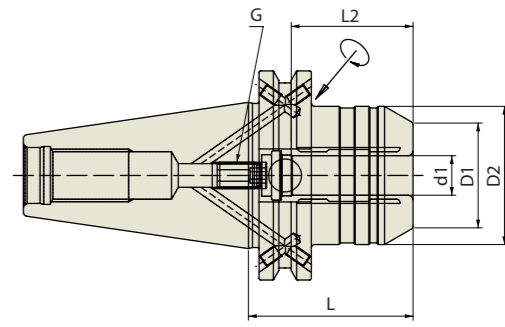
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
WK102PE	40	CAT40 AD/B - HC 20P - 64.5	20	39.25	49.25	64.5	48	M8x1.0
WK103PE		CAT40 AD/B - HC 20P - 101.6	20	39.25	49.25	101.6	48	M8x1.0
WL104PE	50	CAT50 AD/B - HC 32P - 81	32	58.5	72	81	57	M8x1.0
WL106PE		CAT50 AD/B - HC 32P - 152.4	32	58.5	72	152.4	57	M8x1.0

* High Clamping Torque Power version
 (Please refer to page D209, Technical Information)
 * Applicable for milling(roughing and finishing)

YIG HYDRAULIC CHUCK

CAT

HYDRAULIC CHUCK (Short & Rigid)



Collet(reduction sleeves) Refer to page D31-D38

ASME B5.50 - CAT AT3 2.5G 25,000 RPM (at 3D) ≤.00012 AD/B

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	.500	1.260	1.654	2.520	1.457	M8x1.0mm
WK021SNR		CAT40 AD/B - HC 5/8S - 2.52	.625	1.362	1.752	2.520	1.654	M10x1.0mm
WK022SNR		CAT40 AD/B - HC 3/4S - 2.52	.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	.500	1.819	2.752	3.189	1.457	M8x1.0mm
WL022SNR		CAT50 AD/B - HC 5/8S - 3.19	.625	1.819	2.752	3.189	1.654	M8x1.0mm
WL024SNR		CAT50 AD/B - HC 3/4S - 3.19	.750	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

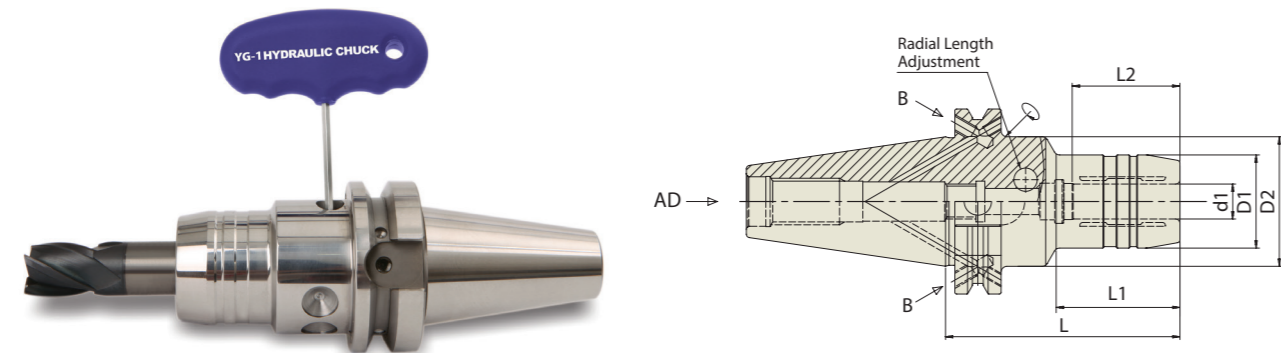
Unit : mm

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

YG HYDRAULIC CHUCK

CAT

HYDRAULIC CHUCK (RADIAL TOOL LENGTH PRE-SETTING TYPE)



Collet(reduction sleeves) Refer to page D31-D38

ASME B5.50 - CAT AT3 2.5G 25,000 RPM (at 3D) ≤.00012 AD/B

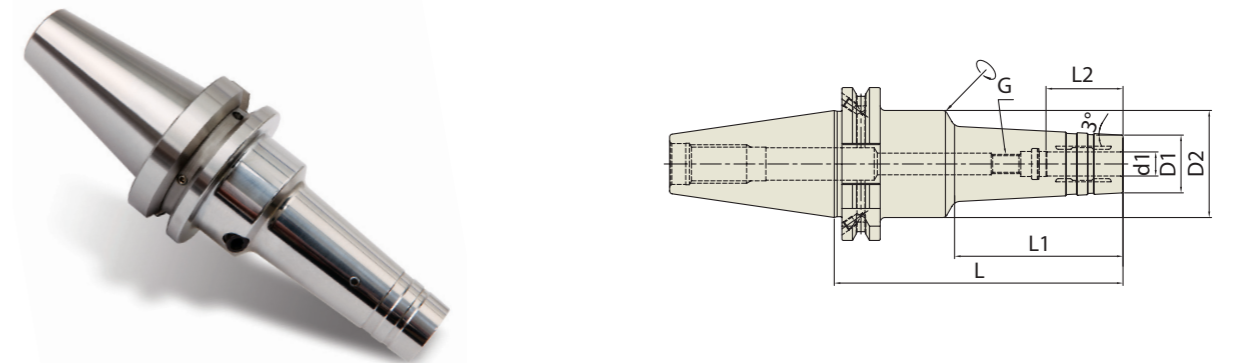
ASME B5.50-2009-CAT

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

YG HYDRAULIC CHUCK

CAT

HYDRAULIC CHUCK (For MOULD)



Collet(reduction sleeves) Refer to page D31-D38

ASME B5.50 - CAT AT3 2.5G 25,000 RPM (at 3D) ≤.00012 AD/B

ASME B5.50-2009-CAT

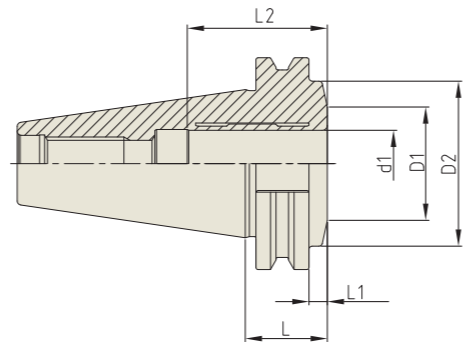
Unit : inch										
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G	
WK020HMC	40	CAT40 AD/B - HMC 1/4 - 4.72	.250	.787	1.949	4.724	2.756	1.063	M5x0.8mm	
WK022HMC		CAT40 AD/B - HMC 1/4 - 5.91	.250	.787	1.949	5.906	3.937	1.063	M5x0.8mm	
WK024HMC		CAT40 AD/B - HMC 5/16 - 4.72	.313	.866	1.949	4.724	2.756	1.063	M6x1.0mm	
WK026HMC		CAT40 AD/B - HMC 5/16 - 5.91	.313	.866	1.949	5.906	3.937	1.063	M6x1.0mm	
WK028HMC		CAT40 AD/B - HMC 3/8 - 4.72	.375	.945	1.949	4.724	2.756	1.260	M8x1.0mm	
WK030HMC		CAT40 AD/B - HMC 3/8 - 5.91	.375	.945	1.949	5.906	3.937	1.260	M8x1.0mm	
WK032HMC		CAT40 AD/B - HMC 1/2 - 4.72	.500	1.024	1.949	4.724	2.756	1.457	M10x1.0mm	
WK034HMC		CAT40 AD/B - HMC 1/2 - 5.91	.500	1.024	1.949	5.906	3.937	1.457	M10x1.0mm	
WK036HMC		CAT40 AD/B - HMC 5/8 - 4.72	.625	1.260	1.949	4.724	2.756	1.654	M12x1.0mm	
WK038HMC		CAT40 AD/B - HMC 5/8 - 5.91	.625	1.260	1.949	5.906	3.937	1.654	M12x1.0mm	
WK040HMC		CAT40 AD/B - HMC 3/4 - 4.72	.750	1.339	1.949	4.724	2.756	1.654	M16x1.0mm	
WK042HMC		CAT40 AD/B - HMC 3/4 - 5.91	.750	1.339	1.949	5.906	3.937	1.654	M16x1.0mm	
WL020HMC		50	CAT50 AD/B - HMC 1/4 - 5.91	.250	.787	1.752	5.906	3.937	1.063	M5x0.8mm
WL022HMC			CAT50 AD/B - HMC 5/16 - 5.91	.313	.866	1.752	5.906	3.937	1.063	M6x1.0mm
WL024HMC	CAT50 AD/B - HMC 3/8 - 5.91		.375	.945	1.752	5.906	3.937	1.260	M8x1.0mm	
WL026HMC	CAT50 AD/B - HMC 1/2 - 5.91		.500	1.024	1.752	5.906	3.937	1.457	M10x1.0mm	
WL028HMC	CAT50 AD/B - HMC 5/8 - 5.91		.625	1.260	1.752	5.906	3.937	1.654	M12x1.0mm	
WL030HMC	CAT50 AD/B - HMC 3/4 - 5.91		.750	1.339	1.752	5.906	3.937	1.654	M16x1.0mm	

Unit : mm										
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G	
WK100HMC	40	CAT40 AD/B - HMC 6 - 120	6	20	49.5	120	70	27	M5X0.8	
WK102HMC		CAT40 AD/B - HMC 6 - 150	6	20	49.5	150	100	27	M5X0.8	
WK104HMC		CAT40 AD/B - HMC 8 - 120	8	22	49.5	120	70	27	M6X1.0	
WK106HMC		CAT40 AD/B - HMC 8 - 150	8	22	49.5	150	100	27	M6X1.0	
WK108HMC		CAT40 AD/B - HMC 10 - 120	10	24	49.5	120	70	32	M8X1.0	
WK110HMC		CAT40 AD/B - HMC 10 - 150	10	24	49.5	150	100	32	M8X1.0	
WK112HMC		CAT40 AD/B - HMC 12 - 120	12	25	49.5	120	70	37	M10X1.0	
WK114HMC		CAT40 AD/B - HMC 12 - 150	12	25	49.5	150	100	37	M10X1.0	
WK116HMC		CAT40 AD/B - HMC 16 - 120	16	32	49.5	120	70	42	M12X1.0	
WK118HMC		CAT40 AD/B - HMC 16 - 150	16	32	49.5	150	100	42	M12X1.0	
WK120HMC		CAT40 AD/B - HMC 20 - 120	20	34	49.5	120	70	42	M16X1.0	
WK122HMC		CAT40 AD/B - HMC 20 - 150	20	34	49.5	150	100	42	M16X1.0	
WL100HMC		50	CAT50 AD/B - HMC 6 - 150	6	20	44.5	150	100	27	M5X0.8
WL102HMC			CAT50 AD/B - HMC 8 - 150	8	22	44.5	150	100	27	M6X1.0
WL104HMC	CAT50 AD/B - HMC 10 - 150		10	24	44.5	150	100	32	M8X1.0	
WL106HMC	CAT50 AD/B - HMC 12 - 150		12	25	44.5	150	100	37	M10X1.0	
WL108HMC	CAT50 AD/B - HMC 16 - 150		16	32	44.5	150	100	42	M12X1.0	
WL110HMC	CAT50 AD/B - HMC 20 - 150		20	34	44.5	150	100	42	M16X1.0	

HYDRAULIC CHUCK

CAT

HYDRAULIC CHUCK (ULTRA SHORT)



ASME B5.50-2009-CAT

Collet(reduction sleeves) Refer to page D31-D38

ASME B5.50 - CAT 2.5G 25,000 RPM (at 3D) ≤.00012" AD

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	WEIGHT(lbs)
WK101US	40	CAT40 - HC 0.75 - 0.969	.750	1.339	1.949	.969	.219	1.654	1.786
WL101US	50	CAT50 - HC 1.25 - 1.217	1.250	1.929	2.776	1.217	.467	2.165	5.798

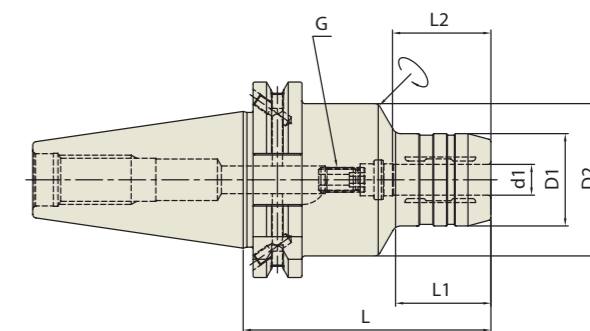
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	WEIGHT(Kg)
WK102US	40	CAT40 - HC 20 - 24.6	20	34	49.5	24.6	5.5	42	0.81
WL102US	50	CAT50 - HC 32 - 30.9	32	49	70.5	30.9	11.85	55	2.63

HYDRAULIC CHUCK

CCT

DUAL CONTACT HYDRAULIC CHUCK



CCT (CAT DUAL CONTACT)

Collet(reduction sleeves) Refer to page D31-D38

CCT AT3 2.5G 25,000 RPM (at 3D) ≤.00012" AD/B

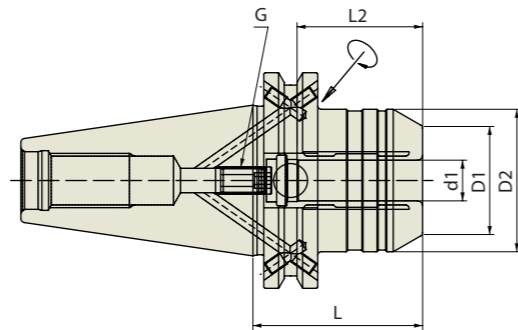
Unit : inch

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

YIG HYDRAULIC CHUCK

CCT

DUAL CONTACT HYDRAULIC CHUCK (Power E Hydro)



Collet(reduction sleeves) Refer to page D31-D38

CCT **AT3** **2.5G** **25,000 RPM** **±.00012** **AD/B**

CCT (CAT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
WB030PE	40	CCT40 AD/B - HC 3/4P - 2.539	.750	1.545	1.939	2.539	1.889	M8x1.0mm
WB031PE		CCT40 AD/B - HC 3/4P - 4.000	.750	1.545	1.939	4.000	1.889	M8x1.0mm
WB032PE		CCT40 AD/B - HC 1.0P - 3.543	1.000	1.889	2.067	3.543	2.244	M8x1.0mm

Unit : mm

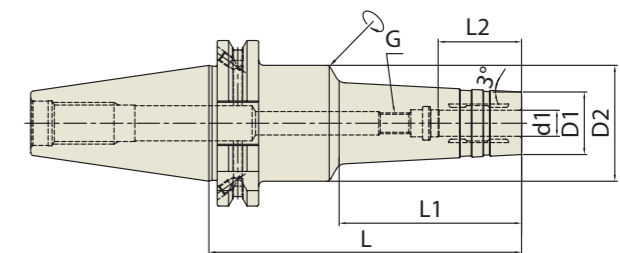
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
WB130PE	40	CCT40 AD/B - HC 20P - 64.5	20	39.25	49.25	64.5	48	M8x1.0
WB131PE		CCT40 AD/B - HC 20P - 101.6	20	39.25	49.25	101.6	48	M8x1.0

* High Clamping Torque Power version
(Please refer to page D209, Technical Information)
* Applicable for milling(roughing and finishing)

YIG HYDRAULIC CHUCK

CCT

DUAL CONTACT HYDRAULIC CHUCK (For MOULD)



Collet(reduction sleeves) Refer to page D31-D38

CCT **AT3** **2.5G** **25,000 RPM** **±.00012** **AD/B**

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	.250	.787	1.949	4.724	2.756	1.063	M5X0.8mm	
WB022HMC		CCT40 AD/B - HMC 1/4 - 5.91	.250	.787	1.949	5.906	3.937	1.063	M5X0.8mm	
WB024HMC		CCT40 AD/B - HMC 5/16 - 4.72	.313	.866	1.949	4.724	2.756	1.063	M6X1.0mm	
WB026HMC		CCT40 AD/B - HMC 5/16 - 5.91	.313	.866	1.949	5.906	3.937	1.063	M6X1.0mm	
WB028HMC		CCT40 AD/B - HMC 3/8 - 4.72	.375	.945	1.949	4.724	2.756	1.260	M8X1.0mm	
WB030HMC		CCT40 AD/B - HMC 3/8 - 5.91	.375	.945	1.949	5.906	3.937	1.260	M8X1.0mm	
WB032HMC		CCT40 AD/B - HMC 1/2 - 4.72	.500	1.024	1.949	4.724	2.756	1.457	M10X1.0mm	
WB034HMC		CCT40 AD/B - HMC 1/2 - 5.91	.500	1.024	1.949	5.906	3.937	1.457	M10X1.0mm	
WB036HMC		CCT40 AD/B - HMC 5/8 - 4.72	.625	1.260	1.949	4.724	2.756	1.654	M12X1.0mm	
WB038HMC		CCT40 AD/B - HMC 5/8 - 5.91	.625	1.260	1.949	5.906	3.937	1.654	M12X1.0mm	
WB040HMC		CCT40 AD/B - HMC 3/4 - 4.72	.750	1.339	1.949	4.724	2.756	1.654	M16X1.0mm	
WB042HMC		CCT40 AD/B - HMC 3/4 - 5.91	.750	1.339	1.949	5.906	3.937	1.654	M16X1.0mm	
WC020HMC		50	CCT50 AD/B - HMC 1/4 - 5.91	.250	.787	1.752	5.906	3.937	1.063	M5X0.8mm
WC022HMC			CCT50 AD/B - HMC 5/16 - 5.91	.313	.866	1.752	5.906	3.937	1.063	M6X1.0mm
WC024HMC	CCT50 AD/B - HMC 3/8 - 5.91		.375	.945	1.752	5.906	3.937	1.260	M8X1.0mm	
WC026HMC	CCT50 AD/B - HMC 1/2 - 5.91		.500	1.024	1.752	5.906	3.937	1.457	M10X1.0mm	
WC028HMC	CCT50 AD/B - HMC 5/8 - 5.91		.625	1.260	1.752	5.906	3.937	1.654	M12X1.0mm	
WC030HMC	CCT50 AD/B - HMC 3/4 - 5.91		.750	1.339	1.752	5.906	3.937	1.654	M16X1.0mm	

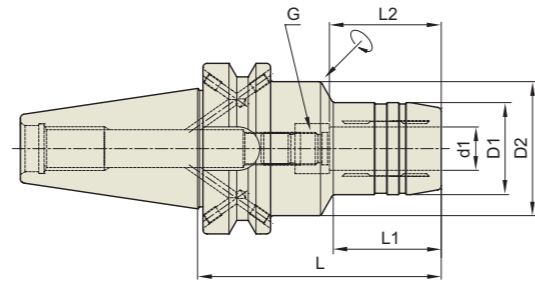
Unit : mm

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

YG HYDRAULIC CHUCK

BT

HYDRAULIC CHUCK



Collet(reduction sleeves)
Refer to page D31-D38



JIS B6339/MAS 403-BT

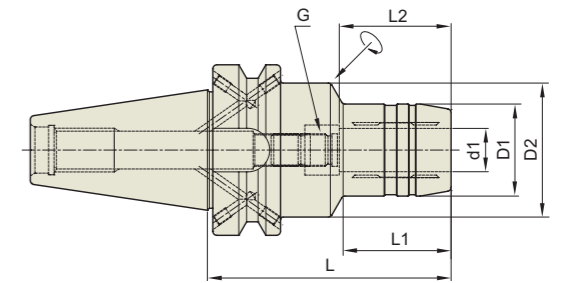
Unit : inch

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

YG HYDRAULIC CHUCK

BT

HYDRAULIC CHUCK



Collet(reduction sleeves)
Refer to page D31-D38



JIS B6339/MAS 403-BT

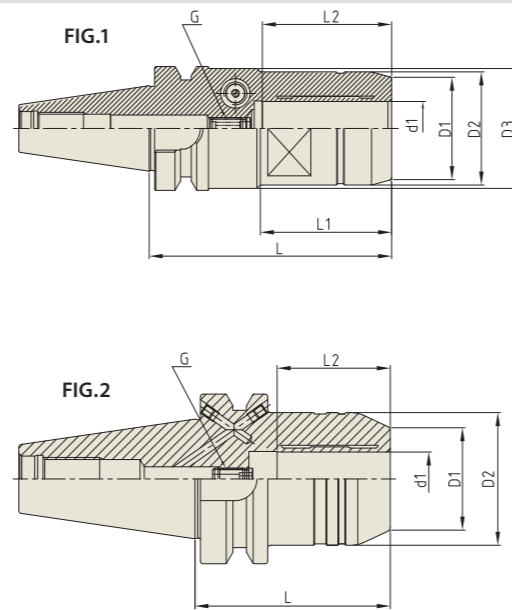
Unit : mm

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

YG HYDRAULIC CHUCK

BT

HYDRAULIC CHUCK (Power E Hydro)



Collet(reduction sleeves)
Refer to page D31-D38

JIS B6339-BT AT3 2.5G 25,000 RPM (at 3D) ≤.00012 AD or AD/B

JIS B6339/MAS 403-BT

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
WG002PE	30	BT30 - HC 3/4P - 3.543	.750	1.496	1.653	1.751	3.543	1.889	M8x1.0mm	1
WH002PE	40	BT40 AD/B - HC 3/4P - 2.854	.750	1.545	1.938	-	2.854	1.889	M8x1.0mm	2
WF003PE		BT40 AD/B - HC 1P - 3.937	1.000	1.889	2.067	-	3.937	2.244	M8x1.0mm	2
WI003PE	50	BT50 AD/B - HC 1 1/4P - 3.543	1.250	2.303	2.834	-	3.543	2.244	M8x1.0mm	2

Unit : mm

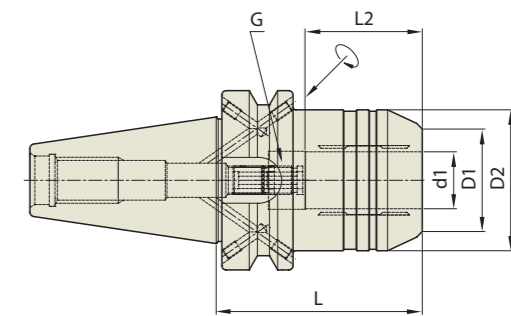
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
WG100PE	30	BT30 - HC 12P - 69	12	32	42	44.5	69	41	M8x1.0	1
WG102PE		BT30 - HC 20P - 90	20	38	42	44.5	90	48	M8x1.0	1
WH100PE	40	BT40 AD/B - HC 12P - 58	12	32	42	-	58	41	M8x1.0	2
WH102PE		BT40 AD/B - HC 20P - 72.5	20	39.25	49.25	-	72.5	48	M8x1.0	2
WI100PE	50	BT50 AD/B - HC 20P - 83.5	20	39.25	49.25	-	83.5	48	M8x1.0	2
WI102PE		BT50 AD/B - HC 32P - 90	32	58.5	72	-	90	57	M8x1.0	2

- * High Clamping Torque Power version
(Please refer to page D209, Technical Information)
- * Applicable for milling(roughing and finishing)

YG HYDRAULIC CHUCK

BT

HYDRAULIC CHUCK (Short & Rigid)



JIS B6339/MAS 403-BT

Collet(reduction sleeves)
Refer to page D31-D38

JIS B6339-BT AT3 2.5G 25,000 RPM (at 3D) ≤.00012 AD or AD/B

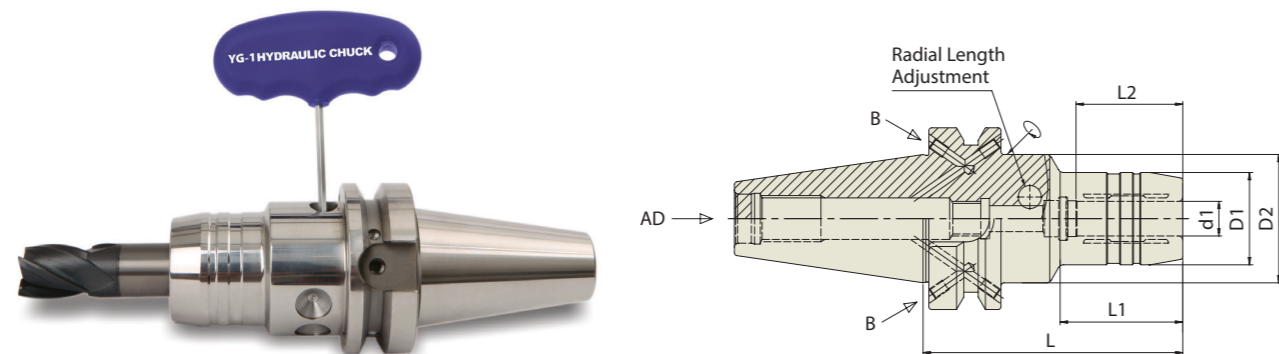
Unit : mm

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

YG HYDRAULIC CHUCK

BT

HYDRAULIC CHUCK (RADIAL TOOL LENGTH PRE-SETTING TYPE)



JIS B6339/MAS 403-BT

Collet(reduction sleeves)
Refer to page D31-D38



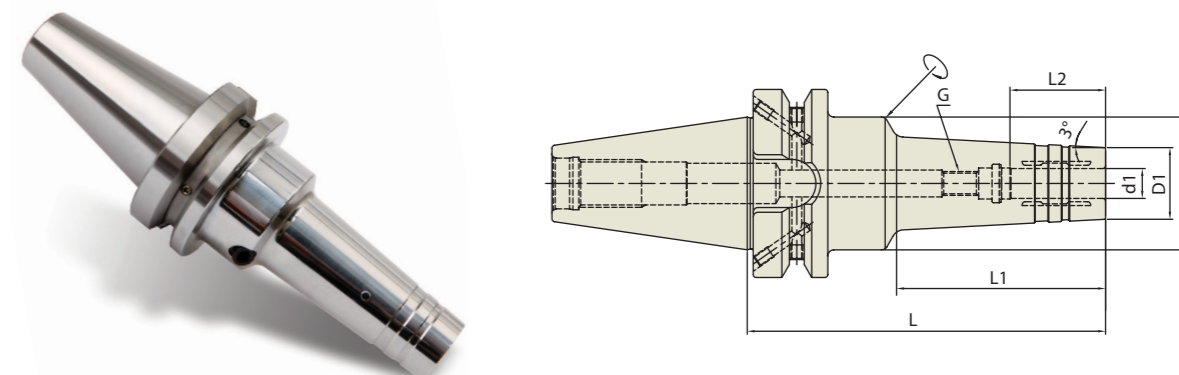
Unit : mm

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

YG HYDRAULIC CHUCK

BT

HYDRAULIC CHUCK (For MOULD)



JIS B6339/MAS 403-BT

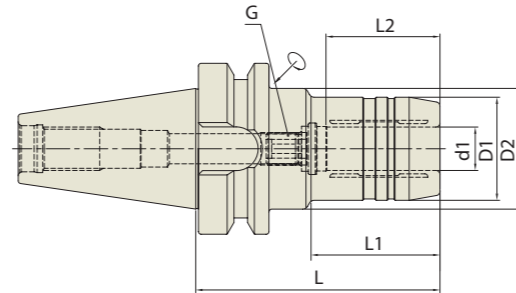
Collet(reduction sleeves)
Refer to page D31-D38



Unit : mm

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

DUAL CONTACT HYDRAULIC CHUCK



CBT (BT DUAL CONTACT)

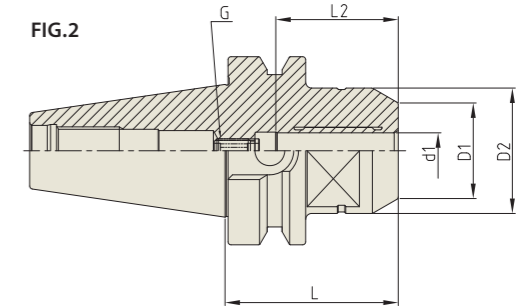
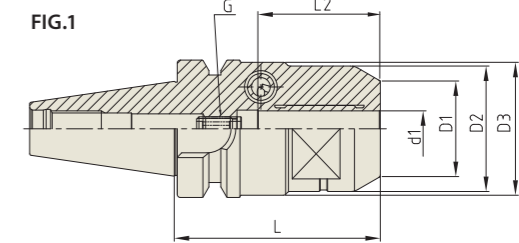
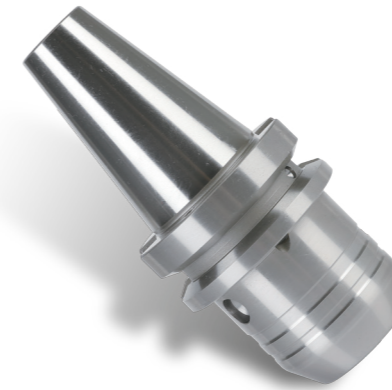
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WD020	30	CBT30 - HC 1/4 - 2.76	.250	1.024	1.752	2.756	1.161	1.063	M5x0.8mm
WD022		CBT30 - HC 5/16 - 2.76	.313	1.102	1.752	2.756	1.181	1.063	M6x1.0mm
WD024		CBT30 - HC 3/8 - 2.95	.375	1.181	1.752	2.953	1.220	1.260	M8x1.0mm
WD026		CBT30 - HC 1/2 - 3.35	.500	1.260	1.772	3.346	1.575	1.457	M10x1.0mm
WD028		CBT30 - HC 5/8 - 3.54	.625	1.496	1.772	3.543	1.811	1.654	M10x1.0mm
WD030		CBT30 - HC 3/4 - 3.54	.750	1.654	1.772	3.543	1.890	1.654	M16x1.0mm
WE020	40	CBT40 - HC 1/4 - 3.54	.250	1.024	1.752	3.543	1.181	1.063	M5x0.8mm
WE022		CBT40 - HC 5/16 - 3.54	.313	1.102	1.752	3.543	1.280	1.063	M6x1.0mm
WE024		CBT40 - HC 3/8 - 3.54	.375	1.181	1.752	3.543	1.260	1.260	M8x1.0mm
WE026		CBT40 - HC 1/2 - 3.54	.500	1.260	1.752	3.543	1.378	1.457	M10x1.0mm
WE028		CBT40 - HC 5/8 - 3.54	.625	1.496	1.870	3.543	1.575	1.654	M12x1.0mm
WE030		CBT40 - HC 3/4 - 3.54	.750	1.654	1.870	3.543	1.575	1.654	M16x1.0mm
WE032		CBT40 - HC 1 - 3.94	1.000	1.969	2.362	3.937	1.772	1.890	M16x1.0mm
WE034		CBT40 - HC 1 1/4 - 4.13	1.250	2.362	-	4.134	-	2.165	M16x1.0mm

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G	
WD100	30	CBT30 - HC 6 - 70	6	26	44.5	70	29.5	27	M5x0.8	
WD102		CBT30 - HC 8 - 70	8	28	44.5	70	30	27	M6x1.0	
WD104		CBT30 - HC 10 - 75	10	30	44.5	75	31	32	M8x1.0	
WD106		CBT30 - HC 12 - 85	12	32	45	85	45	37	M10x1.0	
WD108		CBT30 - HC 14 - 85	14	34	45	85	45	37	M10x1.0	
WD110		CBT30 - HC 16 - 90	16	38	45	90	50	42	M10x1.0	
WD112		CBT30 - HC 18 - 90	18	40	45	90	50	42	M10x1.0	
WD114		CBT30 - HC 20 - 90	20	42	45	90	50	42	M6x1.0	
WE100		40	CBT40 - HC 6 - 90	6	26	44.5	90	43	27	M5x0.8
WE102			CBT40 - HC 8 - 90	8	28	44.5	90	44.5	27	M6x1.0
WE104	CBT40 - HC 10 - 90		10	30	44.5	90	44.5	32	M8x1.0	
WE106	CBT40 - HC 12 - 90		12	32	44.5	90	44.5	37	M10x1.0	
WE108	CBT40 - HC 14 - 90		14	34	44.5	90	44.5	37	M10x1.0	
WE110	CBT40 - HC 16 - 90		16	38	44.5	90	47.5	42	M12x1.0	
WE112	CBT40 - HC 18 - 90		18	40	44.5	90	47.5	42	M12x1.0	
WE114	CBT40 - HC 20 - 90		20	42	44.5	90	47.5	42	M16x1.0	
WE116	CBT40 - HC 25 - 100		25	50	60	100	47.5	48	M16x1.0	
WE118	CBT40 - HC 32 - 105		32	60	-	105	-	55	M16x1.0	

DUAL CONTACT HYDRAULIC CHUCK (Power E Hydro)



CBT (BT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
WD030PE	30	CBT30 - HC 3/4P - 3.543	.750	1.496	1.653	1.751	3.543	1.889	M8x1.0mm	1
WE030PE	40	CBT40 - HC 3/4P - 2.854	.750	1.545	1.938	-	2.854	1.889	M8x1.0mm	2
WE031PE		CBT40 - HC 1P - 3.937	1.000	1.889	2.067	-	3.937	2.244	M8x1.0mm	2

Unit : mm

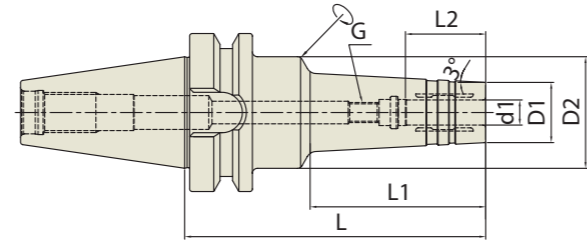
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
WD112PE	30	CBT30 - HC 12P - 69	12	32	42	44.5	69	41	M8x1.0	1
WD120PE		CBT30 - HC 20P - 90	20	38	42	44.5	90	48	M8x1.0	1
WE112PE	40	CBT40 - HC 12P - 58	12	32	42	-	58	41	M8x1.0	2
WE120PE		CBT40 - HC 20P - 72.5	20	39.25	49.25	-	72.5	48	M8x1.0	2

* High Clamping Torque Power version
 (Please refer to page D209, Technical Information)
 * Applicable for milling(roughing and finishing)

Y/G HYDRAULIC CHUCK

CBT

DUAL CONTACT HYDRAULIC CHUCK (For MOULD)



Collet(reduction sleeves) Refer to page D31-D38

CBT AT3 2.5G 25,000 RPM (at 3D) ≤.00012 AD

CBT (BT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WE020HMC	40	CBT40 - HMC 1/4 - 4.72	.250	.787	1.752	4.724	2.756	1.063	M5x0.8mm
WE022HMC		CBT40 - HMC 1/4 - 5.91	.250	.787	1.752	5.906	3.937	1.063	M5x0.8mm
WE024HMC		CBT40 - HMC 5/16 - 4.72	.313	.866	1.752	4.724	2.756	1.063	M6x1.0mm
WE026HMC		CBT40 - HMC 5/16 - 5.91	.313	.866	1.752	5.906	3.937	1.063	M6x1.0mm
WE028HMC		CBT40 - HMC 3/8 - 4.72	.375	.945	1.752	4.724	2.756	1.260	M8x1.0mm
WE030HMC		CBT40 - HMC 3/8 - 5.91	.375	.945	1.752	5.906	3.937	1.260	M8x1.0mm
WE032HMC		CBT40 - HMC 1/2 - 4.72	.500	1.024	1.752	4.724	2.756	1.457	M10x1.0mm
WE034HMC		CBT40 - HMC 1/2 - 5.91	.500	1.024	1.752	5.906	3.937	1.457	M10x1.0mm
WE036HMC		CBT40 - HMC 5/8 - 4.72	.625	1.260	1.752	4.724	2.756	1.654	M12x1.0mm
WE038HMC		CBT40 - HMC 5/8 - 5.91	.625	1.260	1.752	5.906	3.937	1.654	M12x1.0mm
WE040HMC		CBT40 - HMC 3/4 - 4.72	.750	1.339	1.722	4.724	-	1.654	M16x1.0mm
WE042HMC		CBT40 - HMC 3/4 - 5.91	.750	1.339	1.846	5.906	-	1.654	M16x1.0mm

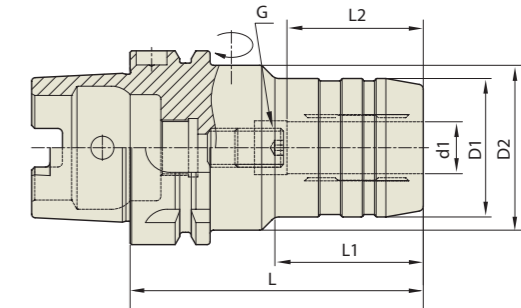
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WE100HMC	40	CBT40 - HMC 6 - 120	6	20	44.5	120	70	27	M5x0.8
WE102HMC		CBT40 - HMC 6 - 150	6	20	44.5	150	100	27	M5x0.8
WE104HMC		CBT40 - HMC 8 - 120	8	22	44.5	120	70	27	M6x1.0
WE106HMC		CBT40 - HMC 8 - 150	8	22	44.5	150	100	27	M6x1.0
WE108HMC		CBT40 - HMC 10 - 120	10	24	44.5	120	70	32	M8x1.0
WE110HMC		CBT40 - HMC 10 - 150	10	24	44.5	150	100	32	M8x1.0
WE112HMC		CBT40 - HMC 12 - 120	12	25	44.5	120	70	37	M10x1.0
WE114HMC		CBT40 - HMC 12 - 150	12	25	44.5	150	100	37	M10x1.0
WE116HMC		CBT40 - HMC 16 - 120	16	32	44.5	120	70	42	M12x1.0
WE118HMC		CBT40 - HMC 16 - 150	16	32	44.5	150	100	42	M12x1.0
WE120HMC		CBT40 - HMC 20 - 120	20	34	43.8	120	-	42	M16x1.0
WE122HMC		CBT40 - HMC 20 - 150	20	34	46.9	150	-	42	M16x1.0

Y/G HYDRAULIC CHUCK

HSK

DUAL CONTACT HYDRAULIC CHUCK



Collet(reduction sleeves) Refer to page D31-D38

DIN 69893-HSK 2.5G 25,000 RPM (at 3D) ≤.00012 AD

DIN 69893/ISO 12164-1

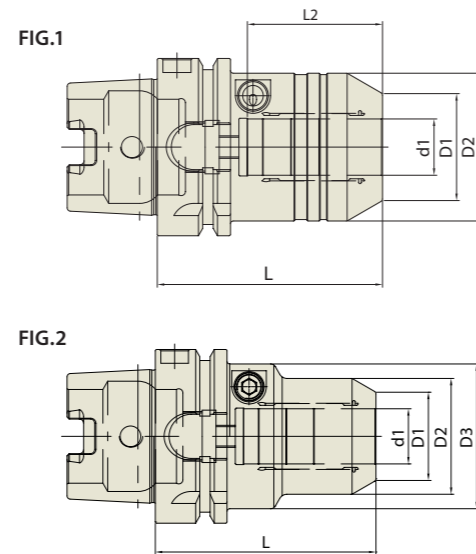
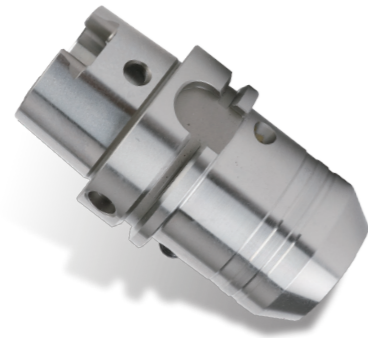
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G	
WQ020	63A	HSK63A - HC 1/4 - 2.76	.250	1.024	1.969	2.756	.945	1.063	M5x0.8mm	
WQ022		HSK63A - HC 3/8 - 3.15	.375	1.181	1.969	3.150	1.378	1.260	M8x1.0mm	
WQ024		HSK63A - HC 1/2 - 3.35	.500	1.260	1.969	3.346	1.575	1.457	M10x1.0mm	
WQ026		HSK63A - HC 3/4 - 3.54	.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	.250	1.024	1.969	2.953	1.024	1.063	M5x0.8mm
WR022			HSK100A - HC 3/8 - 3.54	.375	1.181	1.969	3.543	1.654	1.260	M8x1.0mm
WR024	HSK100A - HC 1/2 - 3.74		.500	1.260	1.969	3.740	1.850	1.457	M10x1.0mm	
WR026	HSK100A - HC 3/4 - 4.13		.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	

YG HYDRAULIC CHUCK

HSK

HYDRAULIC CHUCK (Power E Hydro)



Collet(reduction sleeves) Refer to page D31-D38

DIN 69893-HSK **2.5G** **25,000 RPM** **(at 3D) ≤.00012** **AD**

DIN 69893/ISO 12164-1 HSK FORM A

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
WQ002PE	63A	HSK63A - HC 3/4P - 3.149	.750	1.496	2.066	-	3.149	1.889	M8x1.0mm	1
WQ003PE		HSK63A - HC 3/4P - 5.118	.750	1.496	2.066	-	5.118	1.889	M8x1.0mm	1
WQ005PE		HSK63A - HC 1P - 3.74	1.000	1.89	2.067	-	3.740	2.244	M8x1.0mm	1
WR002PE	100A	HSK100A - HC 1 1/4P - 3.937	1.250	2.303	2.834	-	3.937	2.244	M8x1.0mm	1

Unit : mm

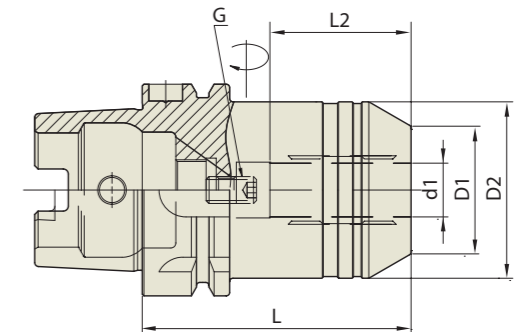
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	FIG.
WQ100PE	63A	HSK63A - HC 12P - 80	12	32	42	52.5	80	41	M8x1.0	2
WQ102PE		HSK63A - HC 20P - 80	20	38	52.5	-	80	48	M8x1.0	1
WR100PE	100A	HSK100A - HC 20P - 90	20	38	52.5	-	90	48	M8x1.0	1
WR102PE		HSK100A - HC 32P - 100	32	58.5	72	-	100	57	M8x1.0	1

- * High Clamping Torque Power version (Please refer to page D209, Technical Information)
- * Applicable for milling(roughing and finishing)

YG HYDRAULIC CHUCK

HSK

DUAL CONTACT HYDRAULIC CHUCK (SHORT & RIGID)



Collet(reduction sleeves) Refer to page D31-D38

DIN 69893-HSK **2.5G** **25,000 RPM** **(at 3D) ≤.00012** **AD**

DIN 69893/ISO 12164-1 HSK FORM A

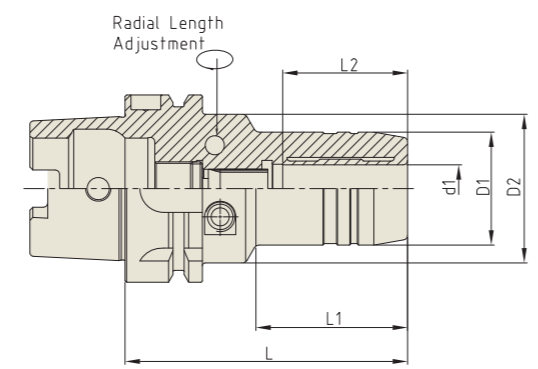
Unit : mm

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

YG HYDRAULIC CHUCK

HSK

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



Collet(reduction sleeves) Refer to page D31-D38

DIN 69893-HSK 2.5G 25,000 RPM (at 3D) ≤.00012 AD

DIN 69893/ISO 12164-1 HSK FORM A

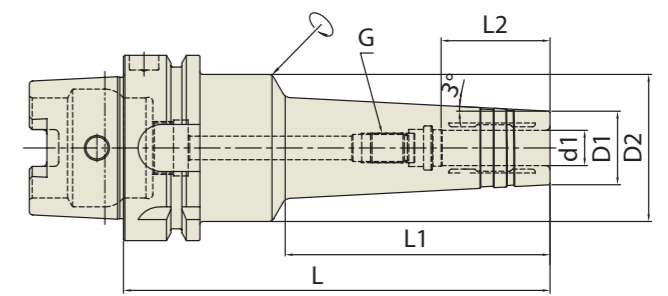
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2
WQ100HCR	63A	HSK63A - HCR 6 - 80	6	26	50	80	33	27
WQ102HCR		HSK63A - HCR 8 - 80	8	28	50	80	33	27
WQ104HCR		HSK63A - HCR 10 - 85	10	30	50	85	38	32
WQ106HCR		HSK63A - HCR 12 - 90	12	32	50	90	40	37
WQ108HCR		HSK63A - HCR 14 - 90	14	34	50	90	46	37
WQ110HCR		HSK63A - HCR 16 - 95	16	38	50	95	51	42
WQ112HCR		HSK63A - HCR 18 - 95	18	40	50	95	52	42
WQ114HCR		HSK63A - HCR 20 - 100	20	42	50	100	51	42
WQ116HCR		HSK63A - HCR 25 - 120	25	57	63	120	54.5	48
WQ118HCR		HSK63A - HCR 32 - 125	32	64	75	125	57.5	55
WR100HCR	100A	HSK100A - HCR 6 - 85	6	26	63	85	33	27
WR102HCR		HSK100A - HCR 8 - 85	8	28	63	85	33	27
WR104HCR		HSK100A - HCR 10 - 90	10	30	63	90	36	32
WR106HCR		HSK100A - HCR 12 - 95	12	32	63	95	40	37
WR108HCR		HSK100A - HCR 14 - 95	14	34	63	95	41	37
WR110HCR		HSK100A - HCR 16 - 100	16	38	63	100	46	42
WR112HCR		HSK100A - HCR 18 - 100	18	40	63	100	46	42
WR114HCR		HSK100A - HCR 20 - 105	20	42	75	105	51	42
WR116HCR		HSK100A - HCR 25 - 115	25	57	75	115	55.5	48
WR118HCR		HSK100A - HCR 32 - 120	32	64	75	120	63.5	55

Unit : mm

YG HYDRAULIC CHUCK

HSK

DUAL CONTACT HYDRAULIC CHUCK (For MOULD)



Collet(reduction sleeves) Refer to page D31-D38

DIN 69893-HSK 2.5G 25,000 RPM (at 3D) ≤.00012 AD

DIN 69893/ISO 12164-1 HSK FORM A

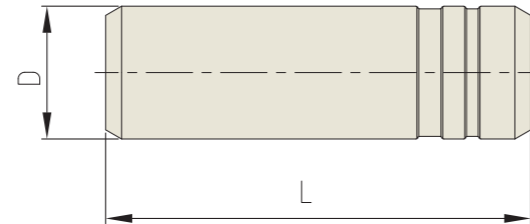
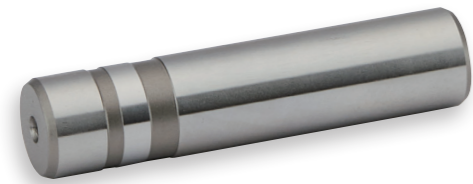
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WQ020HMC	63A	HSK63A - HMC 1/4 - 5.71	.250	.787	1.969	5.709	3.543	1.063	M5x0.8mm
WQ022HMC		HSK63A - HMC 5/16 - 5.71	.313	.866	1.969	5.709	3.543	1.063	M6x1.0mm
WQ024HMC		HSK63A - HMC 3/8 - 5.71	.375	.945	1.969	5.709	3.543	1.260	M8x1.0mm
WQ026HMC		HSK63A - HMC 1/2 - 5.71	.500	1.024	1.969	5.709	3.543	1.457	M10x1.0mm
WQ028HMC		HSK63A - HMC 5/8 - 5.71	.625	1.260	1.969	5.709	3.543	1.654	M12x1.0mm
WQ030HMC		HSK63A - HMC 3/4 - 5.71	.750	1.339	1.969	5.709	3.543	1.654	M16x1.0mm
WR100HMC	100A	HSK100A - HMC 1/4 - 5.71	.250	.787	1.969	5.709	3.543	1.063	M5x0.8mm
WR102HMC		HSK100A - HMC 5/16 - 5.71	.313	.866	1.969	5.709	3.543	1.063	M6x1.0mm
WR104HMC		HSK100A - HMC 3/8 - 5.71	.375	.945	1.969	5.709	3.543	1.260	M8x1.0mm
WR106HMC		HSK100A - HMC 1/2 - 5.71	.500	1.024	1.969	5.709	3.543	1.457	M10x1.0mm
WR108HMC		HSK100A - HMC 5/8 - 5.71	.625	1.260	1.969	5.709	3.543	1.654	M12x1.0mm
WR110HMC		HSK100A - HMC 3/4 - 5.71	.750	1.339	1.969	5.709	3.543	1.654	M16x1.0mm

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	L2	G
WQ100HMC	63A	HSK63A - HMC 6 - 145	6	20	50	145	90	27	M5x0.8
WQ102HMC		HSK63A - HMC 8 - 145	8	22	50	145	90	27	M6x1.0
WQ104HMC		HSK63A - HMC 10 - 145	10	24	50	145	90	32	M8x1.0
WQ106HMC		HSK63A - HMC 12 - 145	12	25	50	145	90	37	M10x1.0
WQ108HMC		HSK63A - HMC 16 - 145	16	32	50	145	90	42	M12x1.0
WQ110HMC		HSK63A - HMC 20 - 145	20	34	50	145	90	42	M16x1.0
WR200HMC	100A	HSK100A - HMC 6 - 150	6	20	50	150	90	27	M5x0.8
WR202HMC		HSK100A - HMC 8 - 150	8	22	50	150	90	27	M6x1.0
WR204HMC		HSK100A - HMC 10 - 150	10	24	50	150	90	32	M8x1.0
WR206HMC		HSK100A - HMC 12 - 150	12	25	50	150	90	37	M10x1.0
WR208HMC		HSK100A - HMC 16 - 150	16	32	50	150	90	42	M12x1.0
WR210HMC		HSK100A - HMC 20 - 150	20	34	50	150	90	42	M16x1.0

Unit : mm

TEST PIECE



SLIM (INCH)

Unit : inch

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

SLIM (METRIC)

Unit : mm

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

POWER E HYDRO (INCH)

Unit : inch

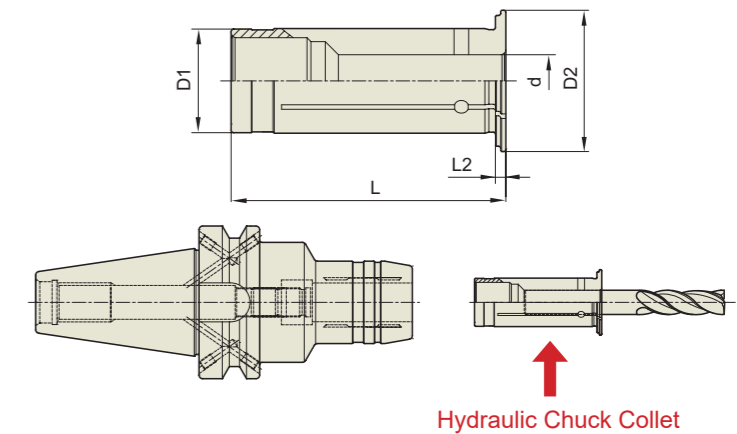
DESCRIPTIONS	EDP No.	D	L
TP 1/2P	ZZ175	1/2	3.149
TP 3/4P	ZZ172	3/4	3.937
TP 1P	ZZ173	1	3.937
TP 1 1/4P	ZZ174	1 1/4	3.937

POWER E HYDRO (METRIC)

Unit : mm

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

HYDRAULIC CHUCK COLLECT (REDUCTION SLEEVE : OPEN TYPE)



METRIC / INCH

Unit : inch

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

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

Feature

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

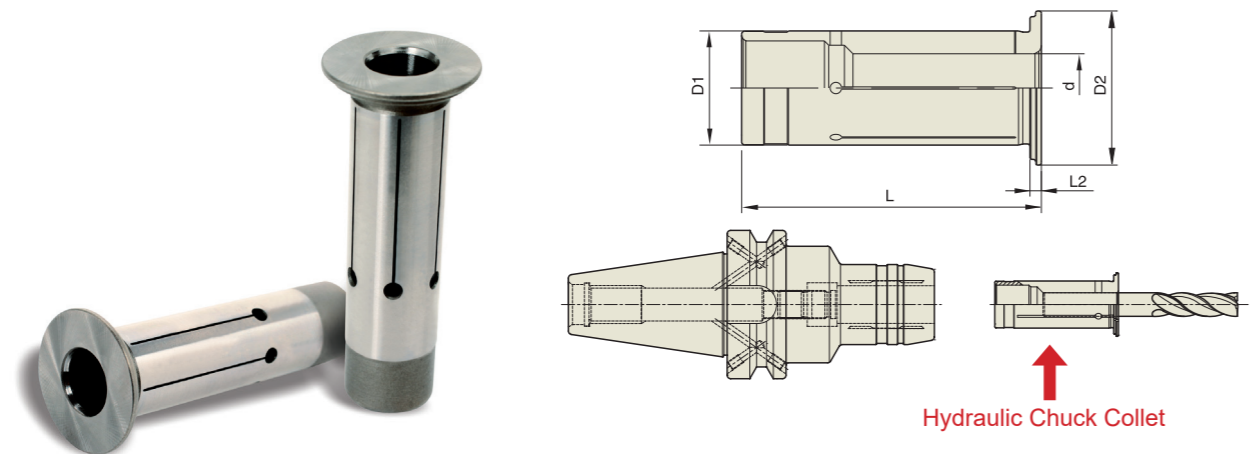
Chucking Method

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

Y/G HYDRAULIC CHUCK

HS

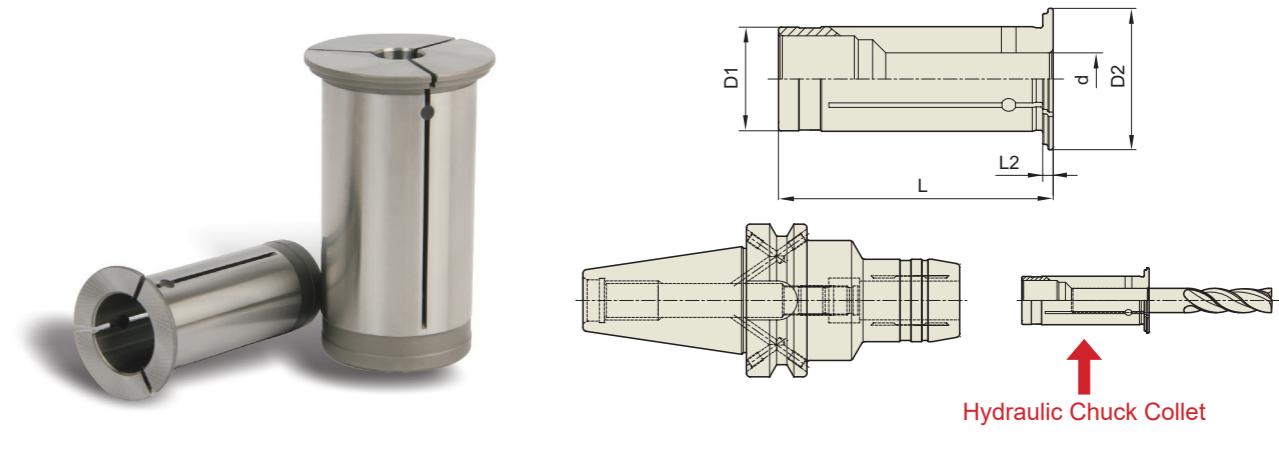
HYDRAULIC CHUCK COLLECT (REDUCTION SLEEVE : CLOSED TYPE)



Y/G HYDRAULIC CHUCK

HK

HYDRAULIC CHUCK COLLECT (REDUCTION SLEEVE : OPEN TYPE)



METRIC / INCH

Unit : inch

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

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

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

INCH / INCH

Unit : inch

EDP No.	TYPE	d	D1	D2	L	L2	
612108	HK1/2	1/8	.125	.500	.748	1.850	.079
612316		3/16	.188	.500	.748	1.850	.079
612104		1/4	.250	.500	.748	1.850	.079
612516		5/16	.313	.500	.748	1.850	.079
625108	HK3/4	1/8	.125	.750	1.063	2.067	.079
625316		3/16	.188	.750	1.063	2.067	.079
625104		1/4	.250	.750	1.063	2.067	.079
625516		5/16	.313	.750	1.063	2.067	.079
625308	HK1	3/8	.375	.750	1.063	2.067	.079
625102		1/2	.500	.750	1.063	2.067	.079
625508		5/8	.625	.750	1.063	2.067	.079
626316		3/16	.188	1.000	1.142	2.224	.079
626104	HK1	1/4	.250	1.000	1.142	2.224	.079
626516		5/16	.313	1.000	1.142	2.224	.079
626308		3/8	.375	1.000	1.142	2.224	.079
626716		7/16	.438	1.000	1.142	2.224	.079
626102	HK11/4	1/2	.500	1.000	1.142	2.224	.079
626508		5/8	.625	1.000	1.142	2.224	.079
626304		3/4	.750	1.000	1.142	2.224	.079
632108		1/8	.125	1.250	1.535	2.500	.118
632316	HK11/4	3/16	.188	1.250	1.535	2.500	.118
632104		1/4	.250	1.250	1.535	2.500	.118
632516		5/16	.313	1.250	1.535	2.500	.118
632308		3/8	.375	1.250	1.535	2.500	.118
632102	HK11/4	1/2	.500	1.250	1.535	2.500	.118
632508		5/8	.625	1.250	1.535	2.500	.118
632304		3/4	.750	1.250	1.535	2.500	.118
632100		1	1.000	1.250	1.535	2.500	.118

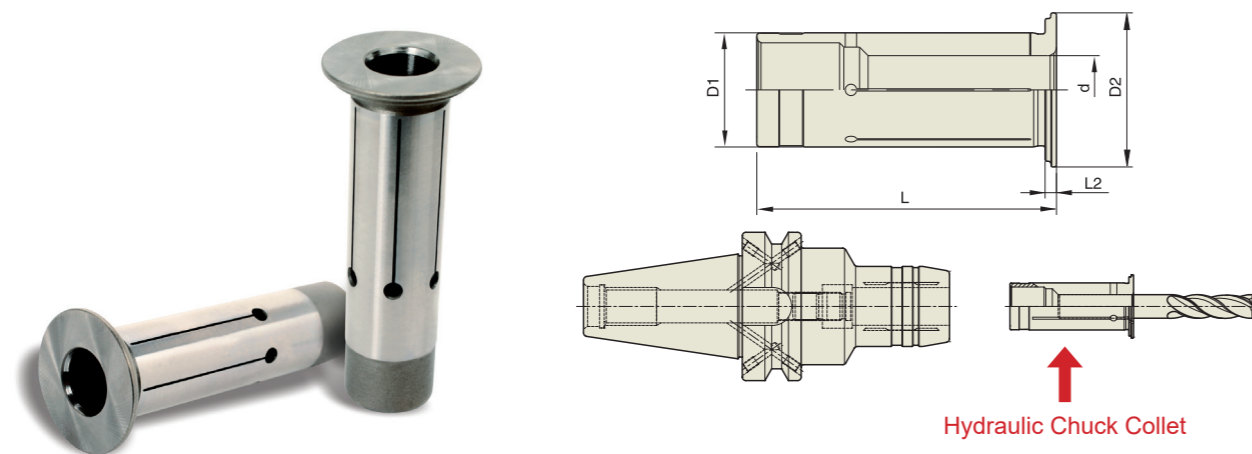
* Other special sizes of Hydraulic Chuck Collets can be supplied on request.

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

YIG HYDRAULIC CHUCK

HS

HYDRAULIC CHUCK COLLECT (REDUCTION SLEEVE : CLOSED TYPE)



INCH / INCH

Unit : inch

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

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

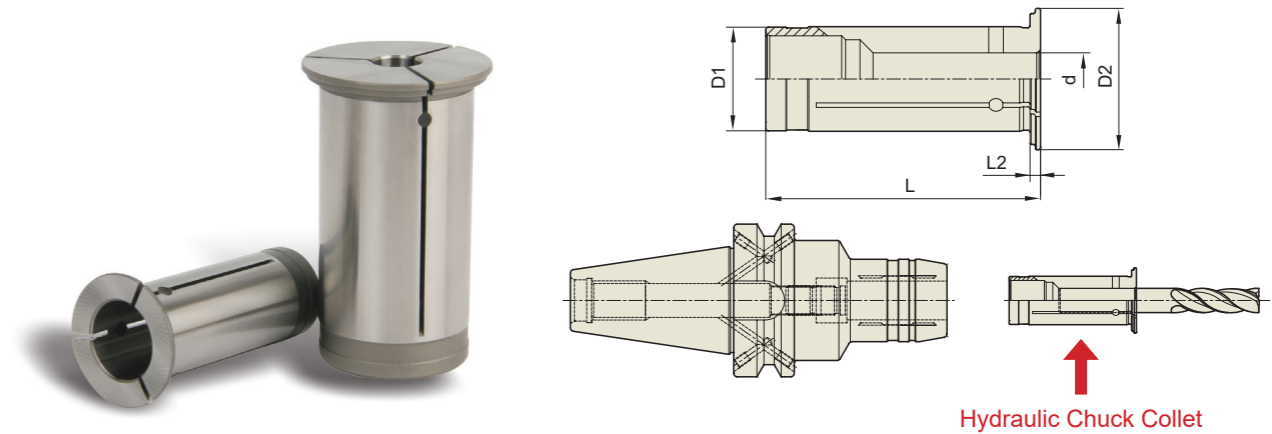
Feature The wall of Hydraulic Chuck Collet(reduction sleeve) is cut by high precision wire-cutting to guarantee precise I.D and strong clamping power.

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

YIG HYDRAULIC CHUCK

HK

HYDRAULIC CHUCK COLLECT (REDUCTION SLEEVE : OPEN TYPE)



METRIC / METRIC

Unit : mm

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

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

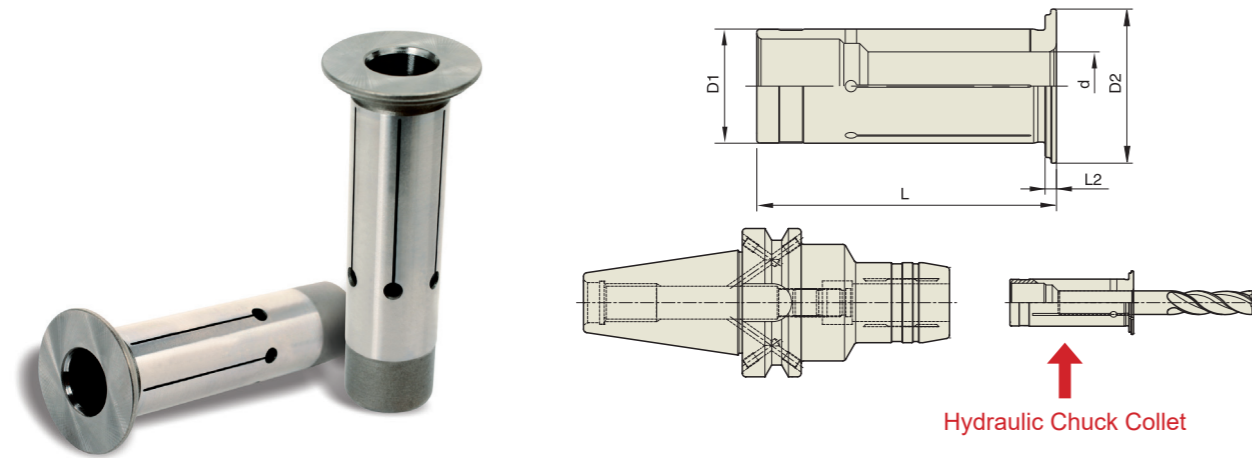
Feature Hydraulic Chuck Collet(reduction sleeve) is cut into trisection by high precision cutting to guarantee precise I.D and strong clamping power.

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

YIG HYDRAULIC CHUCK

HS

HYDRAULIC CHUCK COLLECT (REDUCTION SLEEVE : CLOSED TYPE)



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	
912080		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	HS20	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		

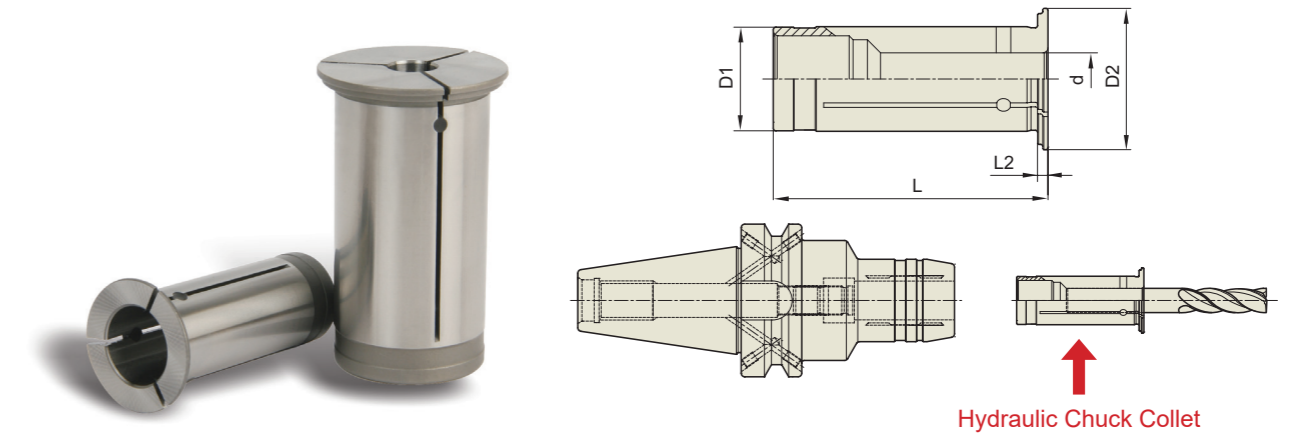
* Other special sizes of Hydraulic Chuck Collets can be supplied on request.

- 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 firstly, and then insert collet into Hydraulic Chuck.

YIG HYDRAULIC CHUCK

HK

HYDRAULIC CHUCK COLLECT (REDUCTION SLEEVE : OPEN TYPE)



INCH / METRIC

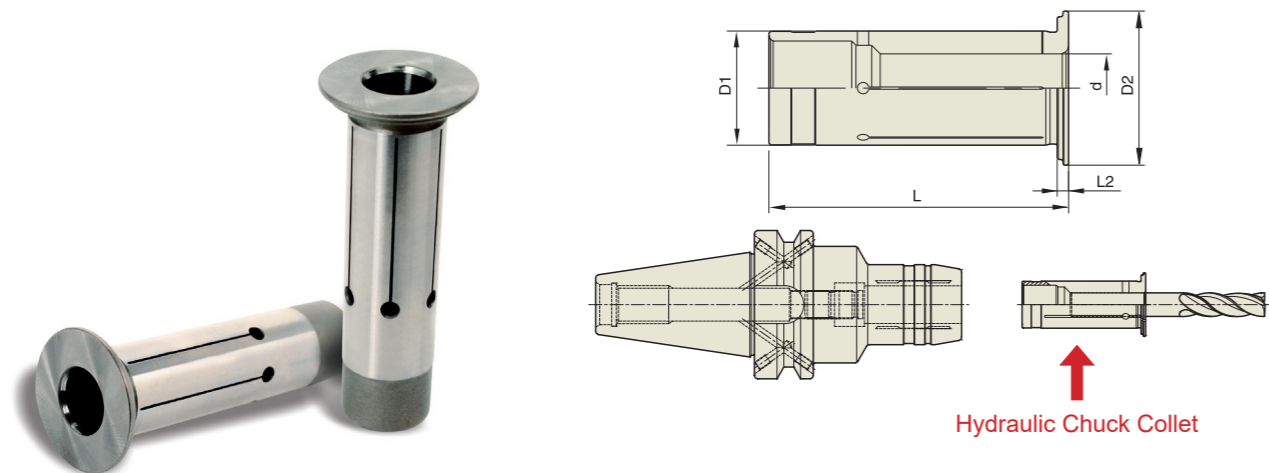
Unit : inch

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

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

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

HYDRAULIC CHUCK COLLECT (REDUCTION SLEEVE : CLOSED TYPE)



INCH / METRIC

Unit : inch

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

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

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

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

YG-1 ROTARY TOOLING

SHRINK FIT
HOLDER

STANDARD, COOLANT CHANNEL(RESEALABLE)
COOLANT CHANNEL(THICK WALL), EXTENSION



SHRINK FIT HOLDER

CAT : ASME B5.50-2009

CCT : CAT DUAL CONTACT

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

CBT : BT DUAL CONTACT

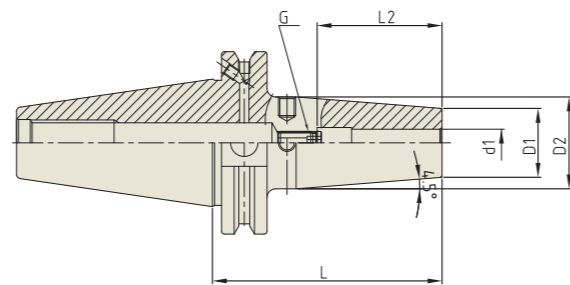
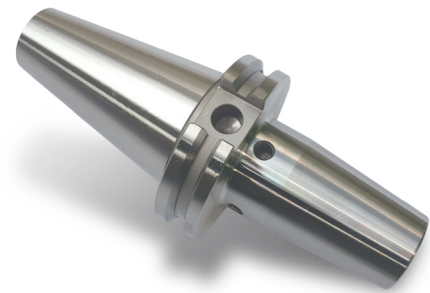
HSK : DIN69893/ISO12164-1

STRAIGHT

YIG SHRINK FIT HOLDER

CAT

SHRINK FIT HOLDER



ASME B5.50-2009-CAT

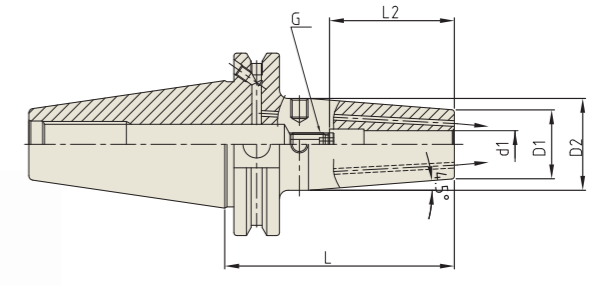
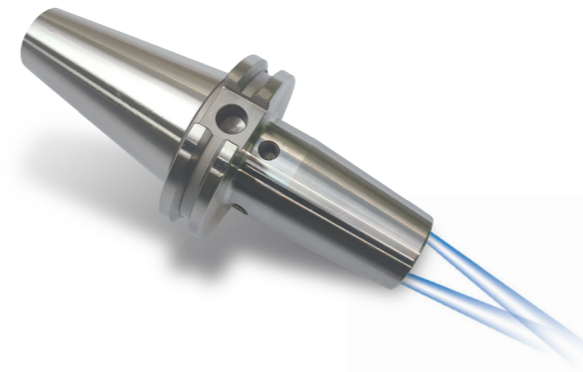
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VK020	40	CAT40 AD/B - SFH 1/8 - 3.15	.125	.394	.748	3.150	.354	-
VK228		CAT40 AD/B - SFH 1/8 - 5.12	.125	.394	.748	5.120	.354	-
VK022		CAT40 AD/B - SFH 3/16 - 3.15	.188	.394	.748	3.150	.472	-
VK029		CAT40 AD/B - SFH 3/16 - 5.12	.188	.394	.748	5.120	.472	-
VK024		CAT40 AD/B - SFH 1/4 - 3.15	.250	.827	1.063	3.150	1.417	M5x.8mm
VK026		CAT40 AD/B - SFH 1/4 - 6.30	.250	.827	1.063	6.300	1.417	M5x.8mm
VK028		CAT40 AD/B - SFH 3/8 - 3.15	.375	.945	1.260	3.150	1.713	M8x1.0mm
VK030		CAT40 AD/B - SFH 3/8 - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm
VK032		CAT40 AD/B - SFH 1/2 - 3.15	.500	.945	1.260	3.150	1.890	M10x1.0mm
VK034		CAT40 AD/B - SFH 1/2 - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
VK036		CAT40 AD/B - SFH 5/8 - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
VK038		CAT40 AD/B - SFH 5/8 - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
VK040		CAT40 AD/B - SFH 3/4 - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
VK042		CAT40 AD/B - SFH 3/4 - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
VK044		CAT40 AD/B - SFH 1 - 3.94	1.000	1.732	2.087	3.937	2.362	M16x1.0mm
VK046		CAT40 AD/B - SFH 1 - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
VK048		CAT40 AD/B - SFH 1 1/4 - 3.94	1.250	1.732	2.087	3.937	2.362	M16x1.0mm
VK050		CAT40 AD/B - SFH 1 1/4 - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm

YIG SHRINK FIT HOLDER

CAT

SHRINK FIT HOLDER (Coolant Channel)



ASME B5.50-2009-CAT

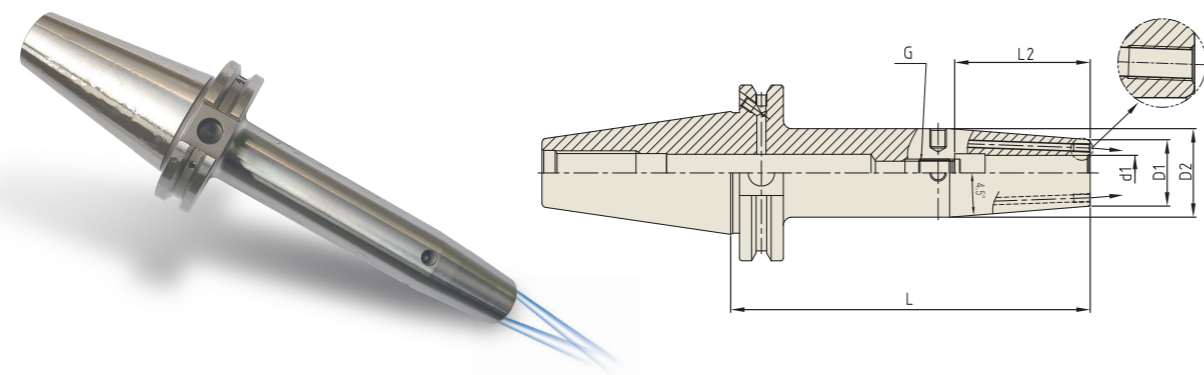
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VK020J	40	CAT40 AD/B - SFH 1/8C - 3.15	.125	.472	.669	3.150	.394	-
VK022J		CAT40 AD/B - SFH 3/16C - 3.15	.188	.472	.669	3.150	.472	-
VK024J		CAT40 AD/B - SFH 1/4C - 3.15	.250	.826	1.063	3.150	.591	M5x0.8mm
VK028J		CAT40 AD/B - SFH 3/8C - 3.15	.375	.945	1.260	3.150	1.713	M8x1.0mm
VK030J		CAT40 AD/B - SFH 3/8C - 6.30	.375	.945	1.260	6.300	1.673	M8x1.0mm
VK032J		CAT40 AD/B - SFH 1/2C - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm
VK034J		CAT40 AD/B - SFH 1/2C - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
VK036J		CAT40 AD/B - SFH 5/8C - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
VK038J		CAT40 AD/B - SFH 5/8C - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
VK040J		CAT40 AD/B - SFH 3/4C - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
VK042J		CAT40 AD/B - SFH 3/4C - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
VK044J		CAT40 AD/B - SFH 1C - 3.94	1.000	1.732	2.087	3.940	2.362	M16x1.0mm
VK046J		CAT40 AD/B - SFH 1C - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
VK048J		CAT40 AD/B - SFH 1 1/4C - 3.94	1.250	1.732	2.087	3.940	2.362	M16x1.0mm
VK050J		CAT40 AD/B - SFH 1 1/4C - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm

Y/G SHRINK FIT HOLDER

CAT

SHRINK FIT HOLDER (Coolant Channel Resealable)



ASME B5.50-2009-CAT

Unit : inch

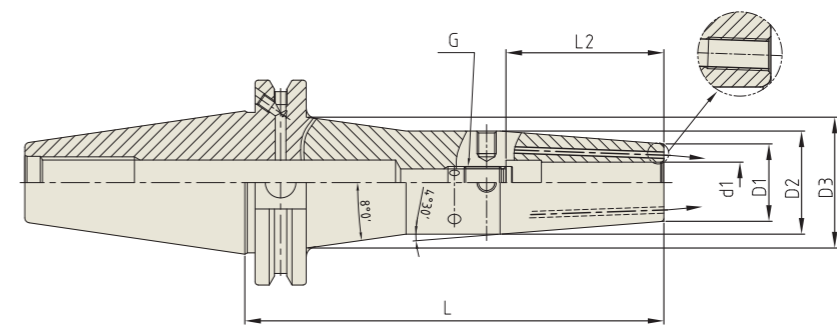
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VK221JR	40	CAT40 AD/B - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x.8mm
VK222JR		CAT40 AD/B - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm
VK219JR		CAT40 AD/B - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm
VK223JR		CAT40 AD/B - SFH 7/16CR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

* Resealable type (Thread for plugging screw & screws)

Y/G SHRINK FIT HOLDER

CAT

SHRINK FIT HOLDER (Coolant Channel & Thick Wall)



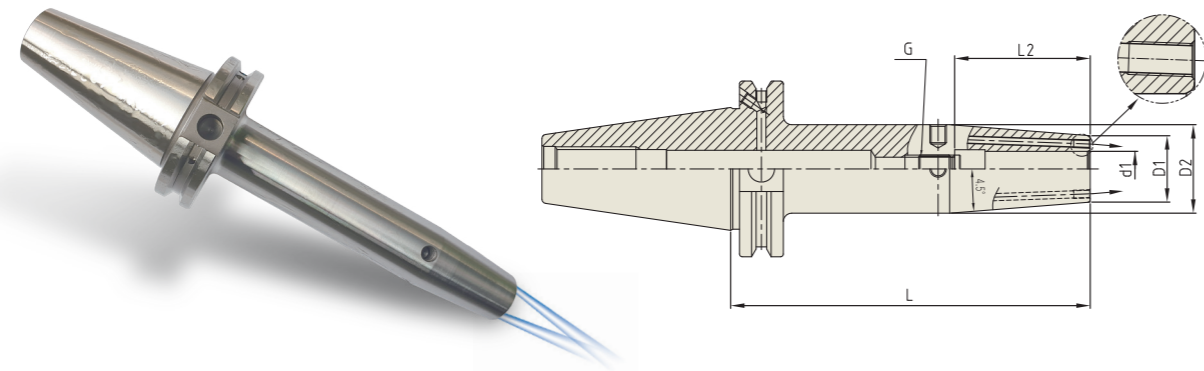
ASME B5.50-2009-CAT

Unit : inch

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

* Resealable type (Thread for plugging screw & screws)

SHRINK FIT HOLDER (Coolant Channel Resealable)



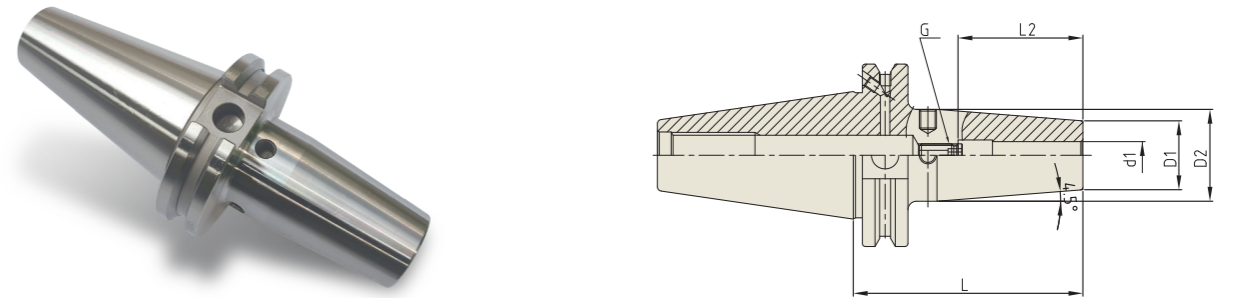
ASME B5.50-2009-CAT

Unit : mm

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

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

SHRINK FIT HOLDER



ASME B5.50-2009-CAT

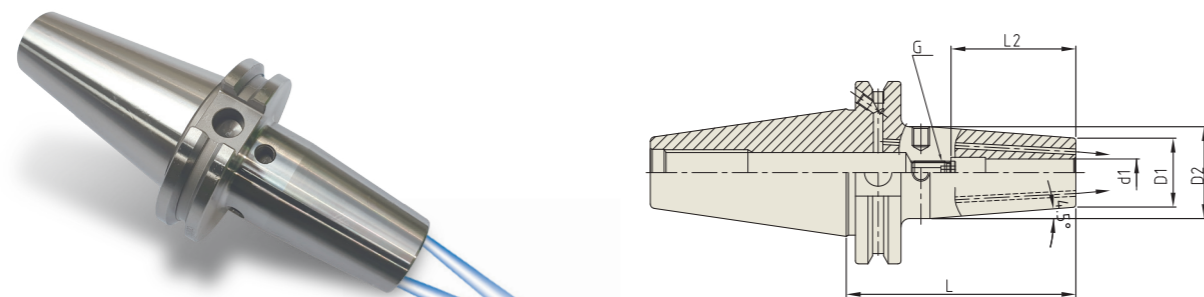
Unit : inch

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

Y/G SHRINK FIT HOLDER

CAT

SHRINK FIT HOLDER (Coolant Channel)



ASME B5.50-2009-CAT

Unit : inch

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

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Arbor

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

Stub Arbor

Slitting Saw Arbor

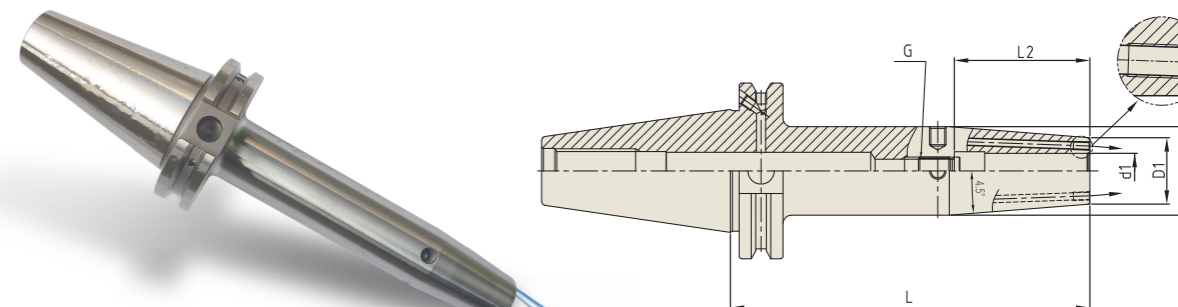
Accessory

Technical Information

Y/G SHRINK FIT HOLDER

CAT

SHRINK FIT HOLDER (Coolant Channel Resealable)



ASME B5.50-2009-CAT

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VL025JR	50	CAT50 AD/B - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x0.8mm
VL203JR		CAT50 AD/B - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm
VL026JR		CAT50 AD/B - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm
VL204JR		CAT50 AD/B - SFH 7/16CR - 5.12	.438	.945	1.260	5.120	1.929	M10x1.0mm
VL201JR		CAT50 AD/B - SFH 1/2CR - 5.12	.500	.945	1.260	5.120	1.929	M10x1.0mm
VL205JR		CAT50 AD/B - SFH 5/8CR - 5.12	.625	1.063	1.339	5.120	2.047	M12x1.0mm
VL202JR		CAT50 AD/B - SFH 3/4CR - 5.12	.750	1.299	1.654	5.120	2.126	M16x1.0mm
VL206JR		CAT50 AD/B - SFH 1CR - 5.12	1.000	1.732	2.087	5.120	2.362	M16x1.0mm
VL207JR		CAT50 AD/B - SFH 1 1/4CR - 5.12	1.250	1.732	2.087	5.120	2.362	M16x1.0mm

* Resealable type (Thread for plugging screw & screws)

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Arbor

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

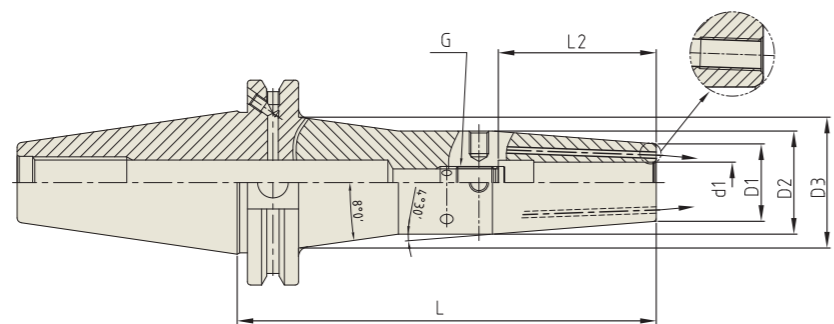
Stub Arbor

Slitting Saw Arbor

Accessory

Technical Information

SHRINK FIT HOLDER (Coolant Channel & Thick Wall)



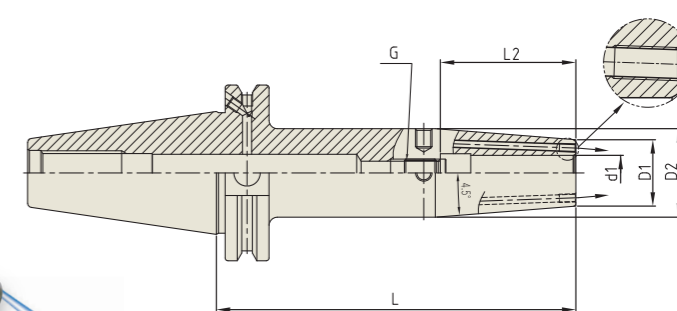
ASME B5.50-2009-CAT

Unit : inch

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

* Resealable type (Thread for plugging screw & screws)

SHRINK FIT HOLDER (Coolant Channel Resealable)



ASME B5.50-2009-CAT

Unit : mm

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

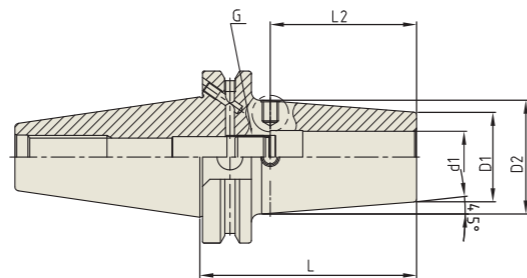
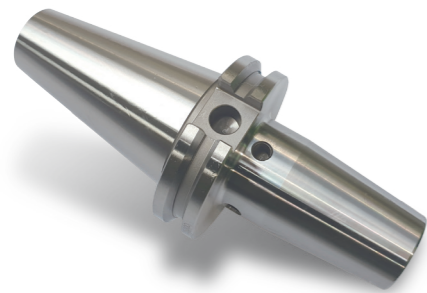
* Resealable type (Thread for plugging screw & screws)

*1 Resealable type is not available.

Y/G SHRINK FIT HOLDER

CCT

DUAL CONTACT SHRINK FIT HOLDER



CCT (CAT DUAL CONTACT)

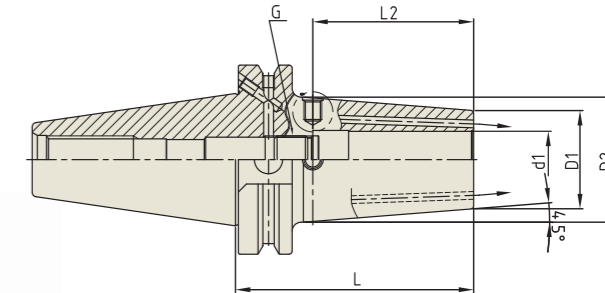
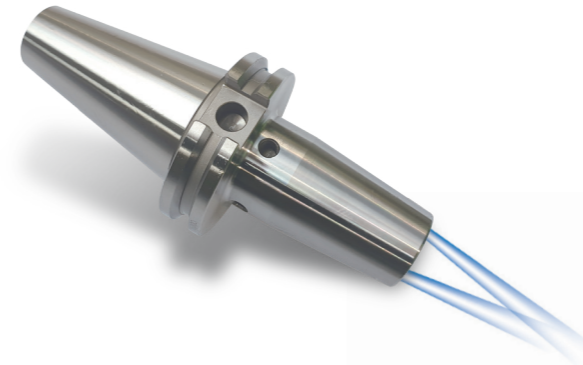
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VB020	40	CCT40 AD/B - SFH 1/8 - 3.15	.125	.394	.748	3.150	.354	-
VB201		CCT40 AD/B - SFH 1/8 - 5.12	.125	.394	.748	5.120	.354	-
VB022		CCT40 AD/B - SFH 3/16 - 3.15	.188	.394	.748	3.150	.472	-
VB202		CCT40 AD/B - SFH 3/16 - 5.12	.188	.394	.748	5.120	.472	-
VB024		CCT40 AD/B - SFH 1/4 - 3.15	.250	.827	1.063	3.150	1.417	M5x0.8mm
VB026		CCT40 AD/B - SFH 1/4 - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm
VB028		CCT40 AD/B - SFH 3/8 - 3.15	.375	.945	1.260	3.150	1.713	M8x1.0mm
VB030		CCT40 AD/B - SFH 3/8 - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm
VB032		CCT40 AD/B - SFH 1/2 - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm
VB034		CCT40 AD/B - SFH 1/2 - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
VB036		CCT40 AD/B - SFH 5/8 - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
VB038		CCT40 AD/B - SFH 5/8 - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
VB040		CCT40 AD/B - SFH 3/4 - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
VB042		CCT40 AD/B - SFH 3/4 - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
VB044		CCT40 AD/B - SFH 1 - 3.94	1.000	1.732	2.087	3.937	2.362	M16x1.0mm
VB046		CCT40 AD/B - SFH 1 - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
VB048	CCT40 AD/B - SFH 1 1/4 - 3.94	1.250	1.732	2.087	3.937	2.362	M16x1.0mm	
VB050	CCT40 AD/B - SFH 1 1/4 - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm	

Y/G SHRINK FIT HOLDER

CCT

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel)



CCT (CAT DUAL CONTACT)

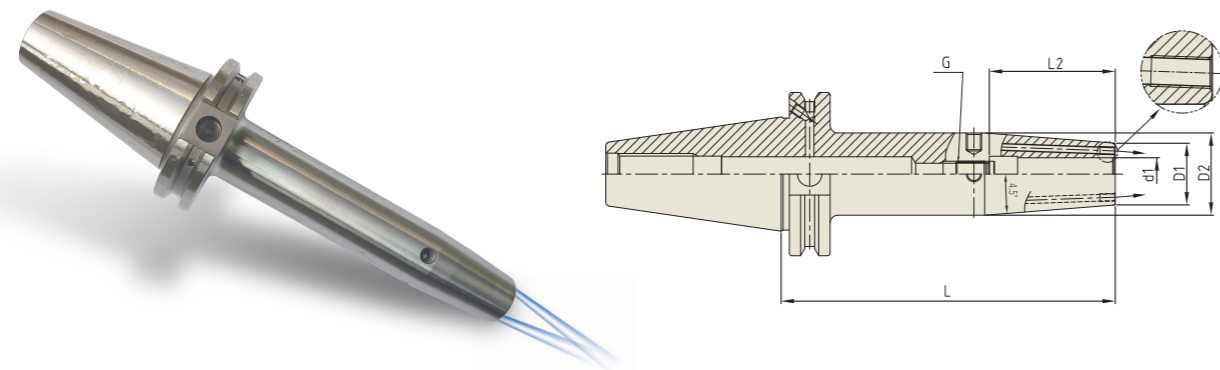
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VB020J	40	CCT40 AD/B - SFH 1/8C - 3.15	.125	.472	.827	3.150	.394	-
VB022J		CCT40 AD/B - SFH 3/16C - 3.15	.188	.472	.827	3.150	.472	-
VB024J		CCT40 AD/B - SFH 1/4C - 3.15	.250	.827	1.063	3.150	1.417	M5x0.8mm
VB026J		CCT40 AD/B - SFH 1/4C - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm
VB028J		CCT40 AD/B - SFH 3/8C - 3.15	.375	.945	1.260	3.150	1.713	M8x1.0mm
VB030J		CCT40 AD/B - SFH 3/8C - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm
VB032J		CCT40 AD/B - SFH 1/2C - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm
VB034J		CCT40 AD/B - SFH 1/2C - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
VB036J		CCT40 AD/B - SFH 5/8C - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
VB038J		CCT40 AD/B - SFH 5/8C - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
VB040J		CCT40 AD/B - SFH 3/4C - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
VB042J		CCT40 AD/B - SFH 3/4C - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
VB044J		CCT40 AD/B - SFH 1C - 3.94	1.000	1.732	2.087	3.940	2.362	M16x1.0mm
VB046J		CCT40 AD/B - SFH 1C - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
VB048J		CCT40 AD/B - SFH 1 1/4C - 3.94	1.250	1.732	2.087	3.940	2.362	M16x1.0mm
VB050J		CCT40 AD/B - SFH 1 1/4C - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm

YG SHRINK FIT HOLDER

CCT

DUAL CONTACT SHRINK FIT HOLDER

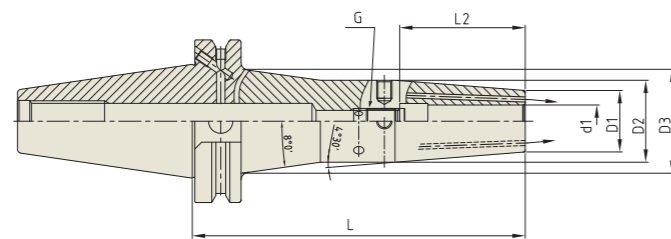


CCT (CAT DUAL CONTACT) Coolant Channel Resealable

Unit : inch

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

* Resealable type (Thread for plugging screw & screws)



CCT (CAT DUAL CONTACT) Coolant Channel & Thick Wall

Unit : inch

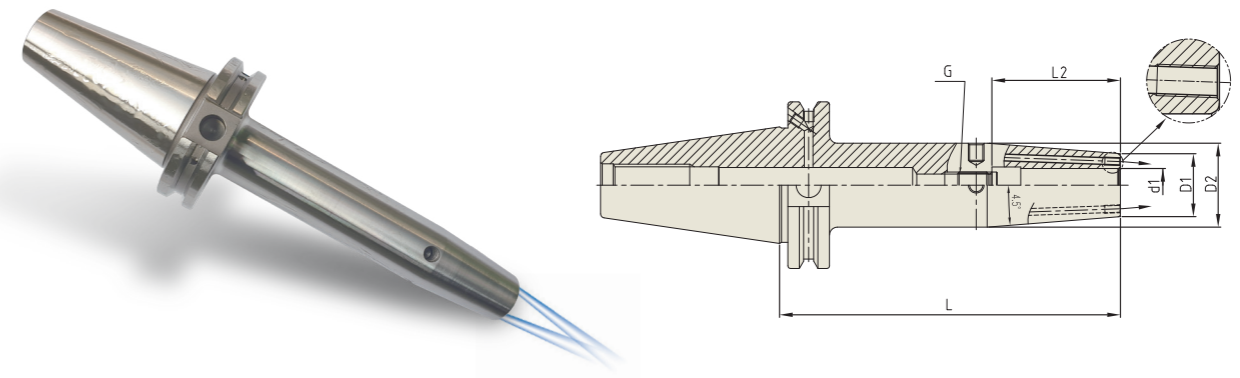
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G
VB101JR	40	CCT40 AD/B - SFH 1/4C TW - 6.30	.250	.827	1.063	1.661	6.300	1.417	M5x0.8mm
VB102JR		CCT40 AD/B - SFH 5/16CTW - 6.30	.313	.827	1.063	1.661	6.300	1.417	M6x1.0mm
VB103JR		CCT40 AD/B - SFH 3/8CTW - 6.30	.375	.945	1.260	1.750	6.300	1.673	M8x1.0mm
VB104JR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

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

YG SHRINK FIT HOLDER

CCT

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)



CCT (CAT DUAL CONTACT)

Unit : mm

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

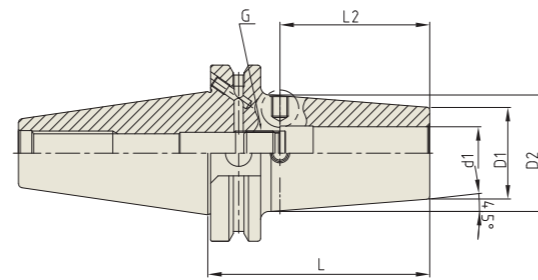
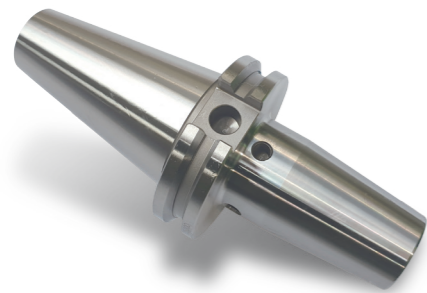
* Resealable type (Thread for plugging screw & screws)

*1 Resealable type is not available.

Y/G SHRINK FIT HOLDER

CCT

DUAL CONTACT SHRINK FIT HOLDER



CCT (CAT DUAL CONTACT)

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VC020	50	CCT50 AD/B - SFH 1/8 - 3.15	.125	.394	.748	3.150	.354	-
VC022		CCT50 AD/B - SFH 3/16 - 3.15	.188	.394	.748	3.150	.472	-
VC024		CCT50 AD/B - SFH 1/4 - 3.15	.250	.827	1.063	3.150	1.417	M5x0.8mm
VC026		CCT50 AD/B - SFH 1/4 - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm
VC028		CCT50 AD/B - SFH 3/8 - 3.15	.375	.945	1.260	3.150	1.634	M8x1.0mm
VC030		CCT50 AD/B - SFH 3/8 - 6.30	.375	.945	1.260	6.300	1.634	M8x1.0mm
VC032		CCT50 AD/B - SFH 1/2 - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm
VC034		CCT50 AD/B - SFH 1/2 - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
VC036		CCT50 AD/B - SFH 5/8 - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
VC040		CCT50 AD/B - SFH 5/8 - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
VC042		CCT50 AD/B - SFH 3/4 - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
VC044		CCT50 AD/B - SFH 3/4 - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
VC046		CCT50 AD/B - SFH 1 - 3.94	1.000	1.732	2.087	3.937	2.362	M16x1.0mm
VC048		CCT50 AD/B - SFH 1 - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
VC050		CCT50 AD/B - SFH 1 1/4 - 3.94	1.250	1.732	2.087	3.937	2.362	M16x1.0mm
VC052		CCT50 AD/B - SFH 1 1/4 - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm

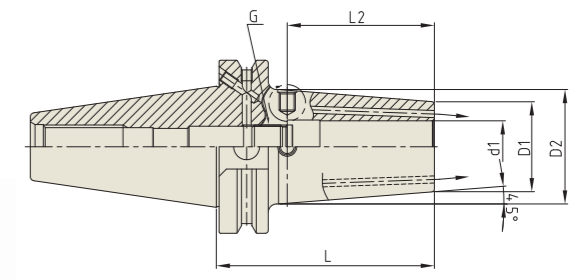
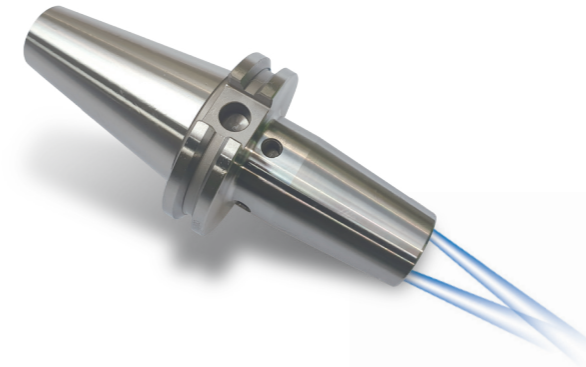
Unit : mm

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

Y/G SHRINK FIT HOLDER

CCT

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel)



CCT (CAT DUAL CONTACT)

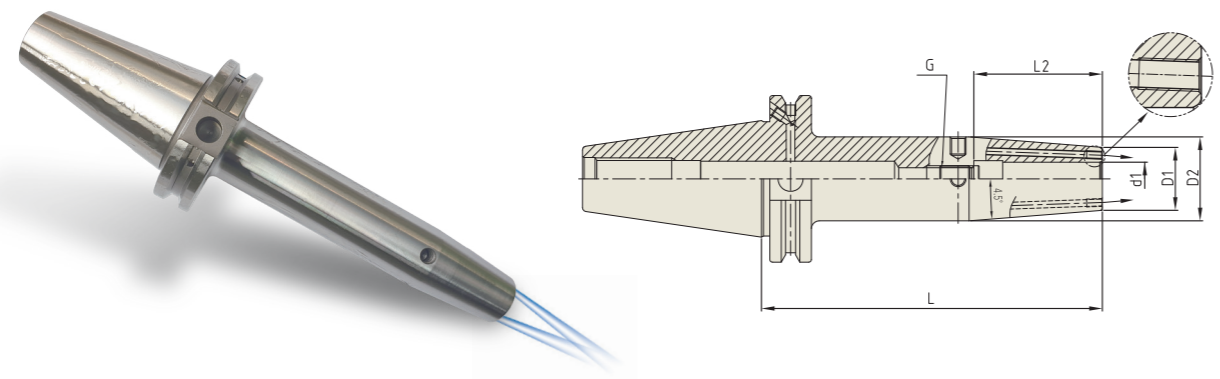
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VC024J	50	CCT50 AD/B - SFH 1/4C - 3.15	.250	.827	1.063	3.150	1.417	M5x0.8mm
VC026J		CCT50 AD/B - SFH 1/4C - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm
VC028J		CCT50 AD/B - SFH 3/8C - 3.15	.375	.945	1.260	3.150	1.634	M8x1.0mm
VC030J		CCT50 AD/B - SFH 3/8C - 6.30	.375	.945	1.260	6.300	1.634	M8x1.0mm
VC032J		CCT50 AD/B - SFH 1/2C - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm
VC034J		CCT50 AD/B - SFH 1/2C - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm
VC036J		CCT50 AD/B - SFH 5/8C - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm
VC040J		CCT50 AD/B - SFH 5/8C - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm
VC042J		CCT50 AD/B - SFH 3/4C - 3.15	.750	1.299	1.654	3.150	2.126	M16x1.0mm
VC044J		CCT50 AD/B - SFH 3/4C - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm
VC046J		CCT50 AD/B - SFH 1C - 3.94	1.000	1.732	2.087	3.940	2.362	M16x1.0mm
VC048J		CCT50 AD/B - SFH 1C - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm
VC050J		CCT50 AD/B - SFH 1 1/4C - 3.94	1.250	1.732	2.087	3.940	2.362	M16x1.0mm
VC052J		CCT50 AD/B - SFH 1 1/4C - 6.30	1.250	1.732	2.087	6.300	2.362	M16x1.0mm

Y/G SHRINK FIT HOLDER

CCT

DUAL CONTACT SHRINK FIT HOLDER



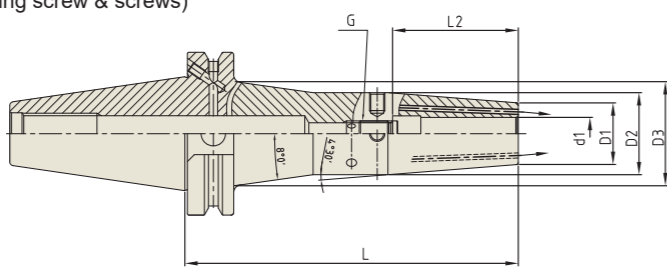
CCT AT3 2.5G 25,000 RPM (at 3D) ≤.00012 AD/B+CR

CCT (CAT DUAL CONTACT) Coolant Channel Resealable

Unit : inch

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

* Resealable type (Thread for plugging screw & screws)



CCT AT3 2.5G 25,000 RPM (at 3D) ≤.00012" AD/B+C

CCT (CAT DUAL CONTACT) Coolant Channel & Thick Wall

Unit : inch

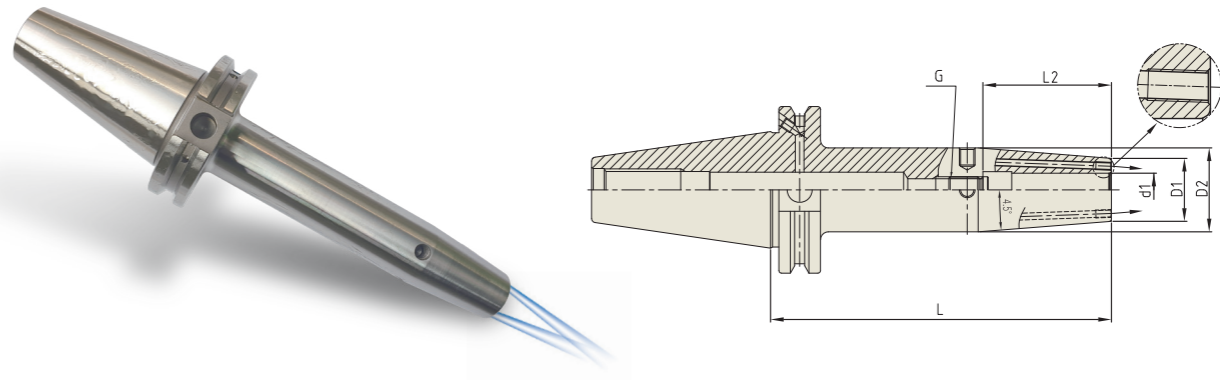
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G
VC026JTW	50	CCT50 AD/B - SFH 1/4C TW - 6.30	.250	.827	1.063	1.732	6.300	1.417	M5x0.8mm
VC120JTW		CCT50 AD/B - SFH 5/16C TW - 6.30	.313	.827	1.063	1.732	6.300	1.417	M6x1.0mm
VC030JTW		CCT50 AD/B - SFH 3/8C TW - 6.30	.375	.945	1.260	1.933	6.300	1.673	M8x1.0mm
VC121JTW		CCT50 AD/B - SFH 7/16C TW - 6.30	.438	.945	1.260	1.933	6.300	1.929	M10x1.0mm
VC034JTW		CCT50 AD/B - SFH 1/2C TW - 6.30	.500	.945	1.260	1.933	6.300	1.929	M10x1.0mm
VC040JTW		CCT50 AD/B - SFH 5/8C TW - 6.30	.625	1.063	1.339	2.000	6.300	2.047	M12x1.0mm
VC044JTW		CCT50 AD/B - SFH 3/4C TW - 6.30	.750	1.299	1.654	2.000	6.300	2.126	M16x1.0mm

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

Y/G SHRINK FIT HOLDER

CCT

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)



CCT AT3 2.5G 25,000 RPM (at 3D) ≤.00012 AD/B+CR

CCT (CAT DUAL CONTACT)

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G
VC200J	50	CCT50 AD/B - SFH 3C - 80 *1	3	12	17	80	10	-
VC201J		CCT50 AD/B - SFH 4C - 80 *1	4	12	17	80	12	-
VC202J		CCT50 AD/B - SFH 5C - 80 *1	5	12	17	80	15	-
VC209JR		CCT50 AD/B - SFH 6CR - 80	6	21	27	80	36	M5x0.8
VC200JR		CCT50 AD/B - SFH 6CR - 130	6	21	27	130	36	M5x0.8
VC210JR		CCT50 AD/B - SFH 6CR - 160	6	21	27	160	36	M5x0.8
VC211JR		CCT50 AD/B - SFH 8CR - 80	8	21	27	80	36	M6x1.0
VC201JR		CCT50 AD/B - SFH 8CR - 130	8	21	27	130	36	M6x1.0
VC212JR		CCT50 AD/B - SFH 8CR - 160	8	21	27	160	36	M6x1.0
VC213JR		CCT50 AD/B - SFH 10CR - 80	10	24	32	80	42.5	M8x1.0
VC202JR		CCT50 AD/B - SFH 10CR - 130	10	24	32	130	42.5	M8x1.0
VC214JR		CCT50 AD/B - SFH 10CR - 160	10	24	32	160	42.5	M8x1.0
VC215JR		CCT50 AD/B - SFH 12CR - 80	12	24	32	80	48	M10x1.0
VC203JR		CCT50 AD/B - SFH 12CR - 130	12	24	32	130	48	M10x1.0
VC216JR		CCT50 AD/B - SFH 12CR - 160	12	24	32	160	48	M10x1.0
VC217JR		CCT50 AD/B - SFH 14CR - 80	14	27	34	80	48	M10x1.0
VC204JR		CCT50 AD/B - SFH 14CR - 130	14	27	34	130	48	M10x1.0
VC218JR		CCT50 AD/B - SFH 14CR - 160	14	27	34	160	48	M10x1.0
VC219JR		CCT50 AD/B - SFH 16CR - 80	16	27	34	80	51	M12x1.0
VC205JR		CCT50 AD/B - SFH 16CR - 130	16	27	34	130	51	M12x1.0
VC220JR		CCT50 AD/B - SFH 16CR - 160	16	27	34	160	51	M12x1.0
VC221JR		CCT50 AD/B - SFH 18CR - 80	18	33	42	80	51	M12x1.0
VC206JR		CCT50 AD/B - SFH 18CR - 130	18	33	42	130	51	M12x1.0
VC222JR		CCT50 AD/B - SFH 18CR - 160	18	33	42	160	51	M12x1.0
VC223JR		CCT50 AD/B - SFH 20CR - 80	20	33	42	80	53	M16x1.0
VC207JR		CCT50 AD/B - SFH 20CR - 130	20	33	42	130	53	M16x1.0
VC224JR		CCT50 AD/B - SFH 20CR - 160	20	33	42	160	53	M16x1.0
VC225JR		CCT50 AD/B - SFH 25CR - 100	25	44	53	100	59	M16x1.0
VC208JR		CCT50 AD/B - SFH 25CR - 130	25	44	53	130	59	M16x1.0
VC226JR	CCT50 AD/B - SFH 25CR - 160	25	44	53	160	59	M16x1.0	
VC227JR	CCT50 AD/B - SFH 32CR - 100	32	44	53	100	59	M16x1.0	
VC228JR	CCT50 AD/B - SFH 32CR - 130	32	44	53	130	59	M16x1.0	
VC229JR	CCT50 AD/B - SFH 32CR - 160	32	44	53	160	59	M16x1.0	

* Resealable type (Thread for plugging screw & screws)

*1 Resealable type is not available.

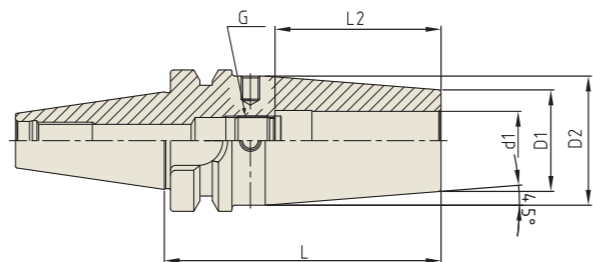
Hydraulic Chuck
Shrink Fit Holder
End Mill Holder & Side Lock Arbor
ER Collet Chuck
SK Slim Chuck
TG Collet Chuck
Power Milling Chuck
Morse Taper Arbor
Tapping Chuck
One Step Tapping Chuck
Shell Mill Arbor
NC Drill Chuck
Jacobs Taper Arbor
Stub Arbor
Slitting Saw Arbor
Accessory
Technical Information

Hydraulic Chuck
Shrink Fit Holder
End Mill Holder & Side Lock Arbor
ER Collet Chuck
SK Slim Chuck
TG Collet Chuck
Power Milling Chuck
Morse Taper Arbor
Tapping Chuck
One Step Tapping Chuck
Shell Mill Arbor
NC Drill Chuck
Jacobs Taper Arbor
Stub Arbor
Slitting Saw Arbor
Accessory
Technical Information

Y/G SHRINK FIT HOLDER

BT

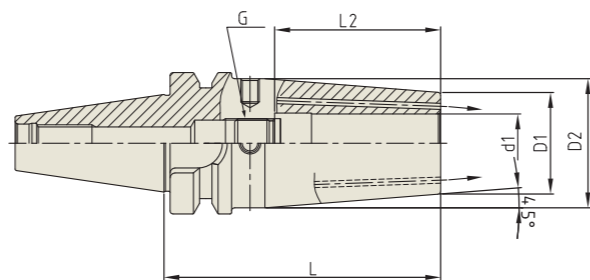
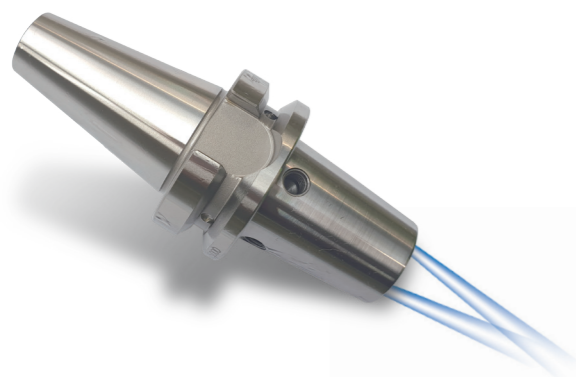
SHRINK FIT HOLDER (Coolant Channel)



JIS B6339/MAS 403-BT

Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT(lbs)
VG020	30	BT30 - SFH 1/8 - 2.36	.125	.394	.629	2.362	.354	-	-
VG022		BT30 - SFH 3/16 - 2.36	.188	.394	.629	2.362	.472	-	-
VG024		BT30 - SFH 1/4 - 2.36	.250	.827	1.062	2.362	1.417	M5x0.8mm	-
VG026		BT30 - SFH 3/8 - 2.36	.375	.945	1.180	2.362	1.713	M8x1.0mm	-
VG028		BT30 - SFH 1/2 - 3.15	.500	.945	1.260	3.150	1.929	M10x1.0mm	-
VG030		BT30 - SFH 5/8 - 3.15	.625	1.063	1.339	3.150	2.047	M12x1.0mm	-
VG032		BT30 - SFH 3/4 - 3.54	.750	1.299	1.654	3.543	2.087	M16x1.0mm	-



JIS B6339/MAS 403-BT

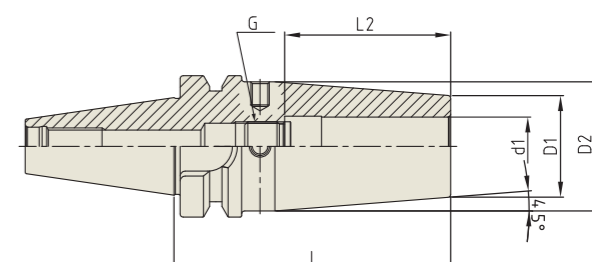
Unit : inch

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

Y/G SHRINK FIT HOLDER

BT

SHRINK FIT HOLDER



JIS B6339/MAS 403-BT

Unit : mm

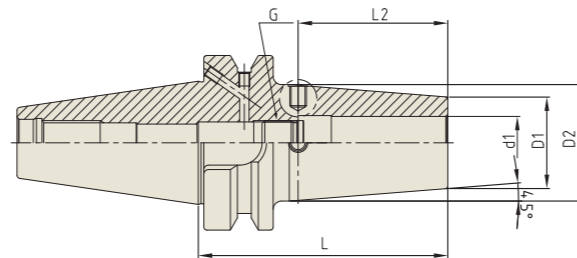
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT(Kg)
P2776703A	30	BT30 - SFH 3 - 60	3	11	15	60	10	-	0.40
P2776702A		BT30 - SFH 4 - 60	4	11	15	60	12	-	0.40
P2776704A		BT30 - SFH 5 - 60	5	11	15	60	15	M5x0.8	0.40
P2776701A		BT30 - SFH 6 - 60	6	21	27	60	36	M5x0.8	0.40
P2776705A		BT30 - SFH 8 - 60	8	21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

* Coolant channel is available as option.

Y/G SHRINK FIT HOLDER

BT

SHRINK FIT HOLDER



JIS B6339/MAS 403-BT

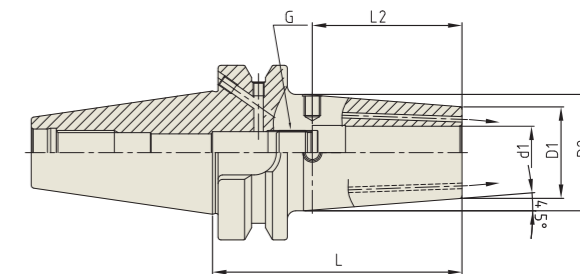
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT(lbs)
VH020	40	BT40 AD/B - SFH 1/8 - 3.54	.125	.394	.748	3.543	.354	-	-
VH022		BT40 AD/B - SFH 3/16 - 3.54	.188	.394	.748	3.543	.472	-	-
VH024		BT40 AD/B - SFH 1/4 - 3.54	.250	.827	1.063	3.543	1.417	M5x0.8mm	-
VH026		BT40 AD/B - SFH 1/4 - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm	-
VH028		BT40 AD/B - SFH 3/8 - 3.54	.375	.945	1.260	3.543	1.713	M8x1.0mm	-
VH030		BT40 AD/B - SFH 3/8 - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm	-
VH032		BT40 AD/B - SFH 1/2 - 3.54	.500	.945	1.260	3.543	1.929	M10x1.0mm	-
VH034		BT40 AD/B - SFH 1/2 - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm	-
VH036		BT40 AD/B - SFH 5/8 - 3.54	.625	1.063	1.339	3.543	2.047	M12x1.0mm	-
VH038		BT40 AD/B - SFH 5/8 - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm	-
VH040		BT40 AD/B - SFH 3/4 - 3.54	.750	1.299	1.654	3.543	2.126	M16x1.0mm	-
VH042		BT40 AD/B - SFH 3/4 - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm	-
VH044		BT40 AD/B - SFH 1 - 3.94	1.000	1.732	2.087	3.937	2.362	M16x1.0mm	-
VH046		BT40 AD/B - SFH 1 - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm	-

Y/G SHRINK FIT HOLDER

BT

SHRINK FIT HOLDER (Coolant Channel)



JIS B6339/MAS 403-BT

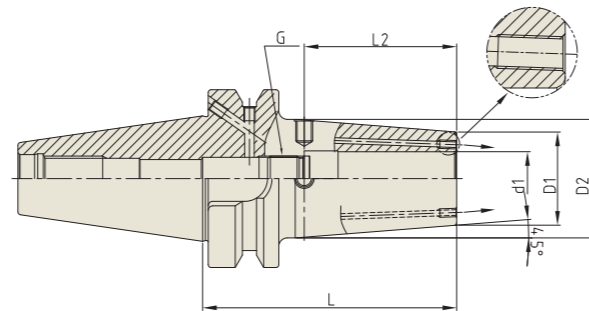
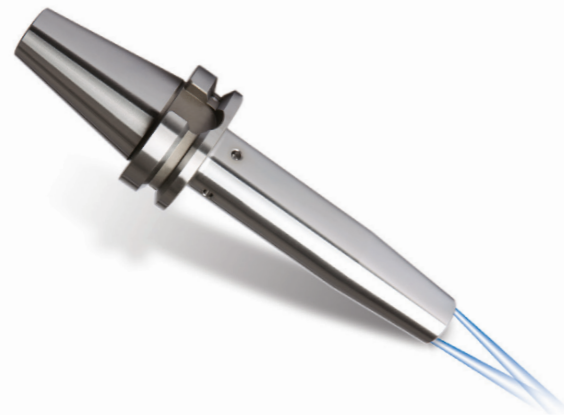
Unit : inch

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT(lbs)
VH020J	40	BT40 AD/B - SFH 1/8C - 3.54	.125	.472	.827	3.540	.394	-	-
VH022J		BT40 AD/B - SFH 3/16C - 3.54	.188	.472	.827	3.540	.472	-	-
VH024J		BT40 AD/B - SFH 1/4C - 3.54	.250	.827	1.063	3.540	1.417	M5x0.8mm	-
VH026J		BT40 AD/B - SFH 1/4C - 6.30	.250	.827	1.063	6.300	1.417	M5x0.8mm	-
VH028J		BT40 AD/B - SFH 3/8C - 3.54	.375	.945	1.260	3.540	1.713	M8x1.0mm	-
VH030J		BT40 AD/B - SFH 3/8C - 6.30	.375	.945	1.260	6.300	1.713	M8x1.0mm	-
VH032J		BT40 AD/B - SFH 1/2C - 3.54	.500	.945	1.260	3.540	1.929	M10x1.0mm	-
VH034J		BT40 AD/B - SFH 1/2C - 6.30	.500	.945	1.260	6.300	1.929	M10x1.0mm	-
VH036J		BT40 AD/B - SFH 5/8C - 3.54	.625	1.063	1.339	3.540	2.047	M12x1.0mm	-
VH038J		BT40 AD/B - SFH 5/8C - 6.30	.625	1.063	1.339	6.300	2.047	M12x1.0mm	-
VH040J		BT40 AD/B - SFH 3/4C - 3.54	.750	1.299	1.654	3.540	2.126	M16x1.0mm	-
VH042J		BT40 AD/B - SFH 3/4C - 6.30	.750	1.299	1.654	6.300	2.126	M16x1.0mm	-
VH044J		BT40 AD/B - SFH 1C - 3.94	1.000	1.732	2.087	3.940	2.362	M16x1.0mm	-
VH046J		BT40 AD/B - SFH 1C - 6.30	1.000	1.732	2.087	6.300	2.362	M16x1.0mm	-

Y/G SHRINK FIT HOLDER

BT

SHRINK FIT HOLDER (Coolant Channel Resealable)



JIS B6339/MAS 403-BT

Unit : inch

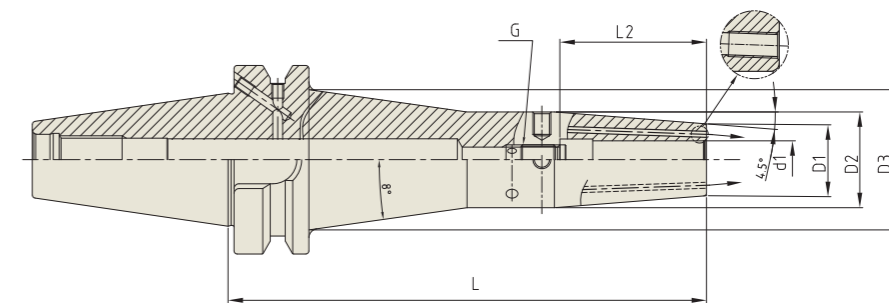
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT(lbs)
VH051JR	40	BT40 AD/B - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x0.8mm	-
VH057JR		BT40 AD/B - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm	-
VH052JR		BT40 AD/B - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm	-
VH058JR		BT40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

* Resealable type (Thread for plugging screw & screws)

Y/G SHRINK FIT HOLDER

BT

SHRINK FIT HOLDER (Coolant Channel & Thick Wall)



JIS B6339/MAS 403-BT

Unit : inch

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

* Resealable type available.

SHRINK FIT HOLDER (Coolant Channel Resealable)

FIG.1

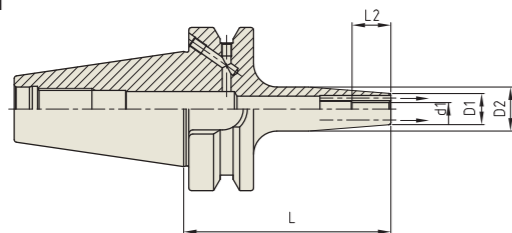
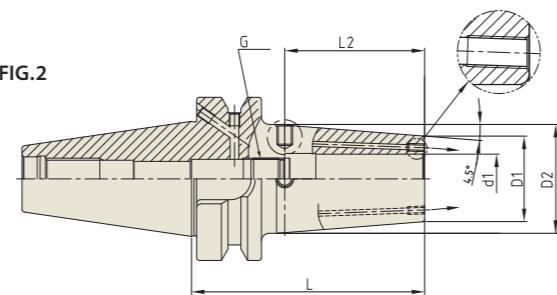


FIG.2



JIS B6339/MAS 403-BT



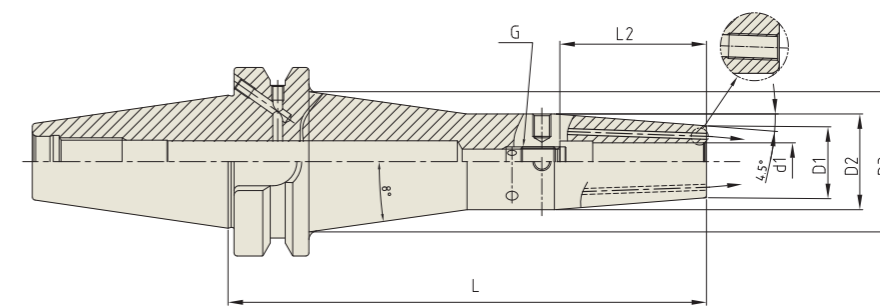
Unit : mm

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

* Resealable type (Thread for plugging screw & screws)

*1 Resealable type is not available.

SHRINK FIT HOLDER (Coolant Channel & Thick Wall)



JIS B6339/MAS 403-BT



Unit : mm

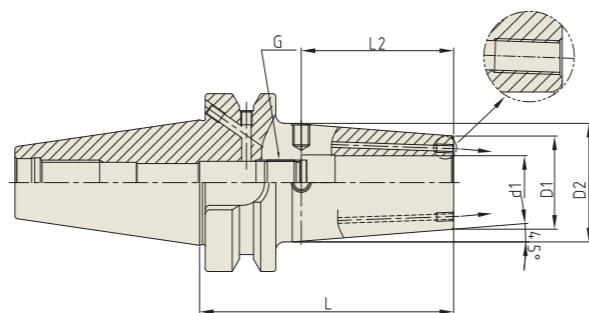
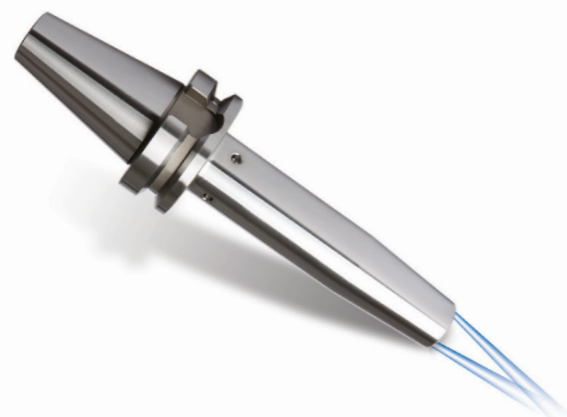
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT(Kg)
P2801601TW	40	BT40 AD/B - SFH 6CTW - 160	6	21	27	41.9	160	36	M5x0.8	1.64
P2801602TW		BT40 AD/B - SFH 8CTW - 160	8	21	27	41.9	160	36	M6x1.0	1.63
P2801603TW		BT40 AD/B - SFH 10CTW - 160	10	24	32	46.9	160	42	M8x1.0	1.84
P2801604TW		BT40 AD/B - SFH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

* Resealable type available.

Y/G SHRINK FIT HOLDER

BT

SHRINK FIT HOLDER (Coolant Channel Resealable)



JIS B6339/MAS 403-BT

Unit : inch

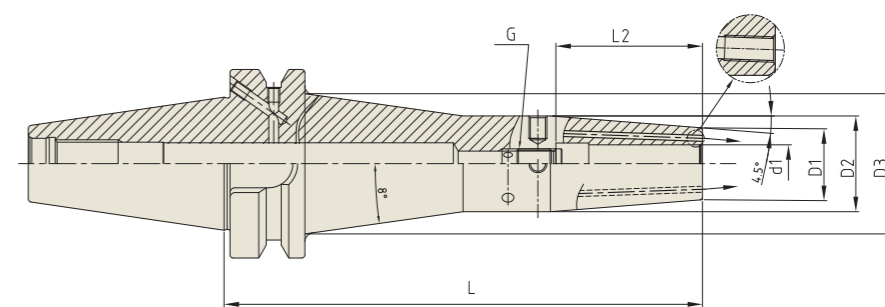
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT(lbs)
VI201JR	50	BT50 AD/B - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x0.8mm	-
VI202JR		BT50 AD/B - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm	-
VI203JR		BT50 AD/B - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm	-
VI204JR		BT50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

* Resealable type (Thread for plugging screw & screws)

Y/G SHRINK FIT HOLDER

BT

SHRINK FIT HOLDER (Coolant Channel & Thick Wall)



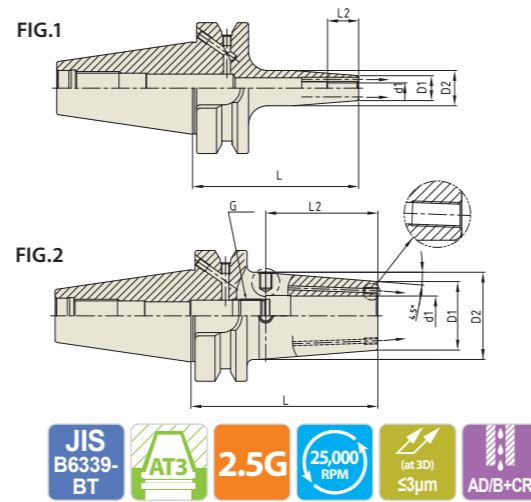
JIS B6339/MAS 403-BT

Unit : inch

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

* Resealable type available.

SHRINK FIT HOLDER (Coolant Channel Resealable)



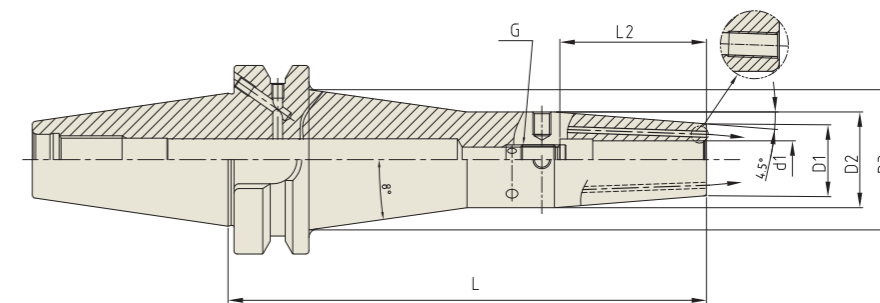
JIS B6339/MAS 403-BT

Unit : mm

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

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

SHRINK FIT HOLDER (Coolant Channel & Thick Wall)



JIS B6339/MAS 403-BT

Unit : mm

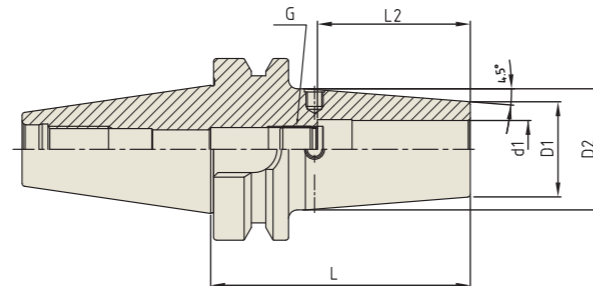
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT(Kg)
P2801607TW	50	BT50 AD/B - SFH 6C TW - 160	6	21	27	38.8	160	36	M5x0.8	4.12
P2801608TW		BT50 AD/B - SFH 8C TW - 160	8	21	27	38.8	160	36	M6x1.0	4.57
P2801609TW		BT50 AD/B - SFH 10C TW - 160	10	24	32	43.8	160	42	M8x1.0	4.76
P2801610TW		BT50 AD/B -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

* Resealable type available.

YIG SHRINK FIT HOLDER

CBT

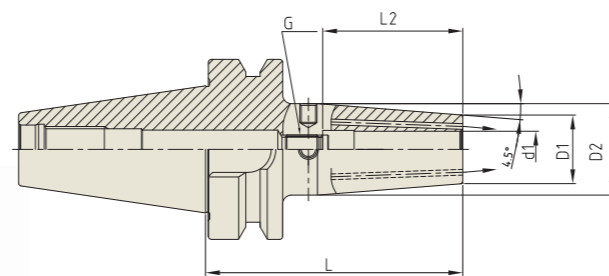
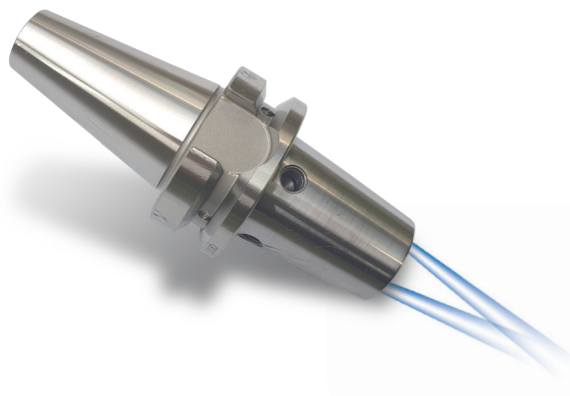
DUAL CONTACT SHRINK FIT HOLDER (Standard, Coolant Channel)



CBT (BT DUAL CONTACT)

Unit : inch

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



CBT (BT DUAL CONTACT)

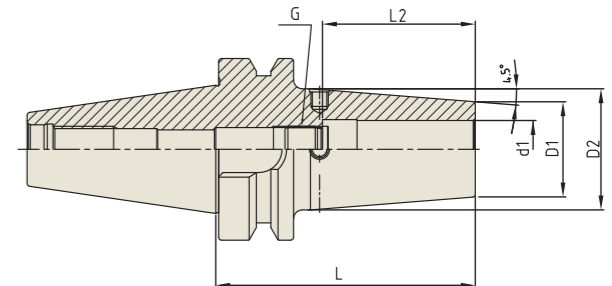
Unit : inch

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

YIG SHRINK FIT HOLDER

CBT

DUAL CONTACT SHRINK FIT HOLDER



CBT (BT DUAL CONTACT)

Unit : mm

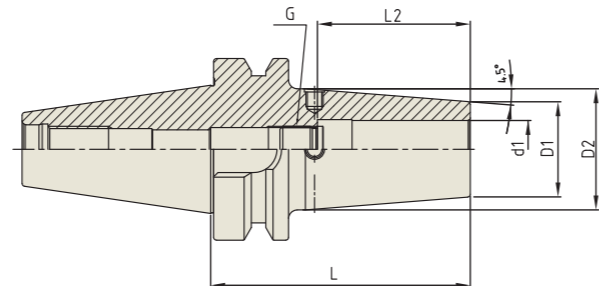
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT(Kg)
P2771505	30	CBT30 - SFH 3 - 60	3	11	15	60	10	-	0.40
P2771506		CBT30 - SFH 4 - 60	4	11	15	60	12	-	0.40
P2771507		CBT30 - SFH 5 - 60	5	11	15	60	15	M5x0.8	0.40
P2771508		CBT30 - SFH 6 - 60	6	21	27	60	36	M5x0.8	0.40
P2771509		CBT30 - SFH 8 - 60	8	21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

* Resealable type (Thread for plugging screw & screws)

Y/G SHRINK FIT HOLDER

CBT

DUAL CONTACT SHRINK FIT HOLDER



CBT (BT DUAL CONTACT)

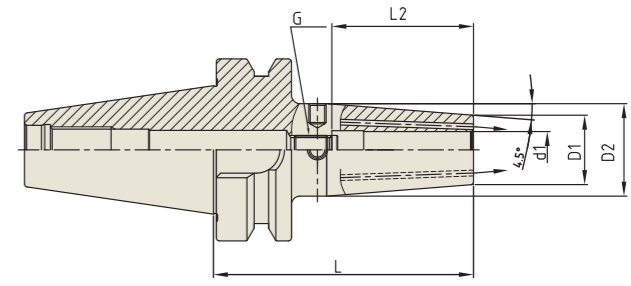
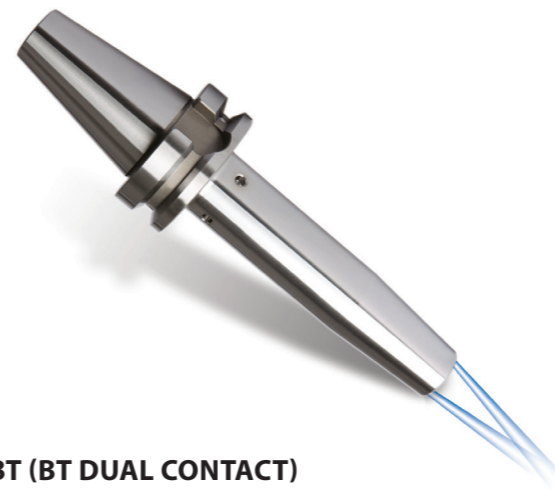
Unit : inch

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

Y/G SHRINK FIT HOLDER

CBT

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel)



CBT (BT DUAL CONTACT)

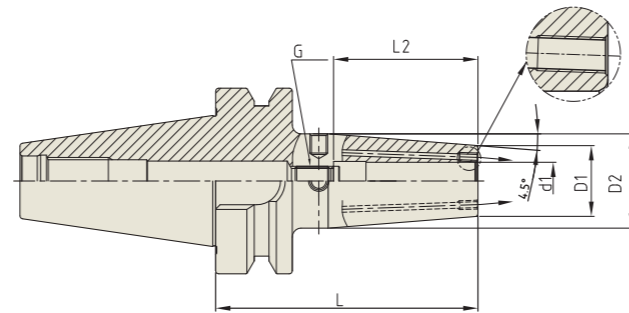
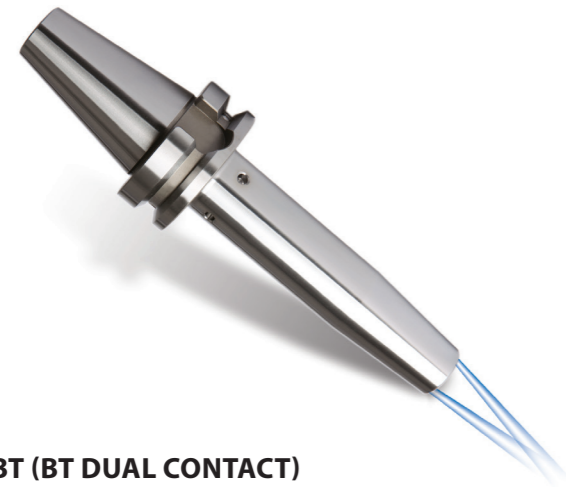
Unit : inch

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

YIG SHRINK FIT HOLDER

CBT

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)



CBT (BT DUAL CONTACT)

Unit : inch

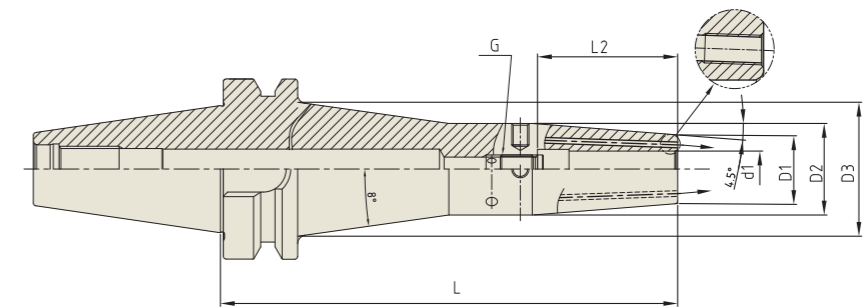
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT(lbs)
VE122JR	40	CBT40 - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x0.8mm	-
VE129JR		CBT40 - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm	-
VE123JR		CBT40 - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm	-
VE130JR		CBT40 - SFH 7/16CR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

* Resealable type (Thread for plugging screw & screws)

YIG SHRINK FIT HOLDER

CBT

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



CBT (BT DUAL CONTACT)

Unit : inch

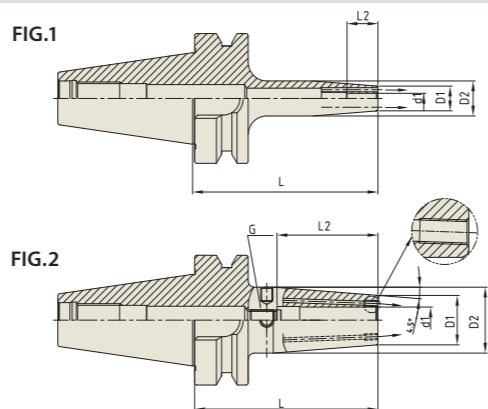
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT(lbs)
VE100JTW	50	CBT40 - SFH 1/4C TW - 6.30	.250	.827	1.063	1.654	6.300	1.417	M5x0.8mm	-
VE101JTW		CBT40 - SFH 5/16C TW - 6.30	.313	.827	1.063	1.654	6.300	1.417	M6x1.0mm	-
VE102JTW		CBT40 - SFH 3/8C TW - 6.30	.375	.945	1.260	1.850	6.300	1.713	M8x1.0mm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

* Resealable type available.

Y/G SHRINK FIT HOLDER

CBT

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)



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

CBT (BT DUAL CONTACT)

Unit : mm

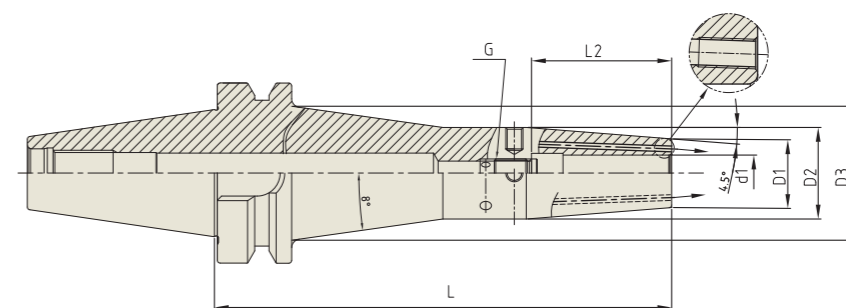
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT(Kg)
P2862160C	40	CBT40 - SFH 3C - 90 *1	3	12	17	90	10	-	1	-
P2862161C		CBT40 - SFH 4C - 90 *1	4	12	17	90	12	-	1	-
P2862162C		CBT40 - SFH 5C - 90 *1	5	12	17	90	15	-	1	-
P2862184CR		CBT40 - SFH 6CR - 90	6	21	27	90	36	M5x0.8	2	1.10
P2862163CR		CBT40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

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

Y/G SHRINK FIT HOLDER

CBT

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



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

CBT (BT DUAL CONTACT)

Unit : mm

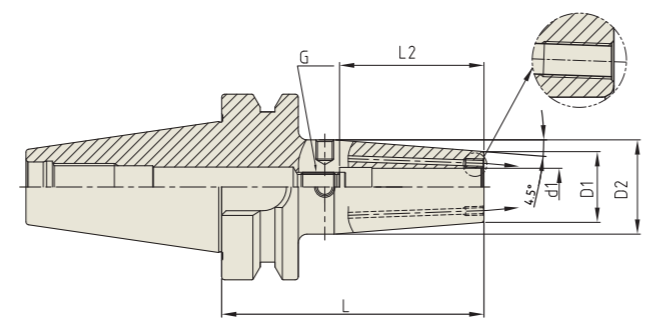
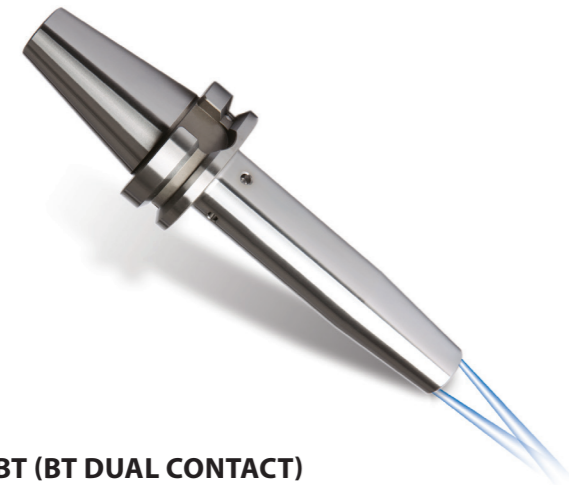
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT(Kg)
P2863200TW	40	CBT40 - SFH 6CTW - 160	6	21	27	41.9	160	36	M5x0.8	1.64
P2863201TW		CBT40 - SFH 8CTW - 160	8	21	27	41.9	160	36	M6x1.0	1.63
P2863202TW		CBT40 - SFH 10CTW - 160	10	24	32	46.9	160	42	M8x1.0	1.84
P2863203TW		CBT40 - SFH 12CTW - 160	12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

* Resealable type available.

Y/G SHRINK FIT HOLDER

CBT

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)



CBT AT3 2.5G 25,000 RPM (at 3D) ≤.00012 AD+CR

CBT (BT DUAL CONTACT)

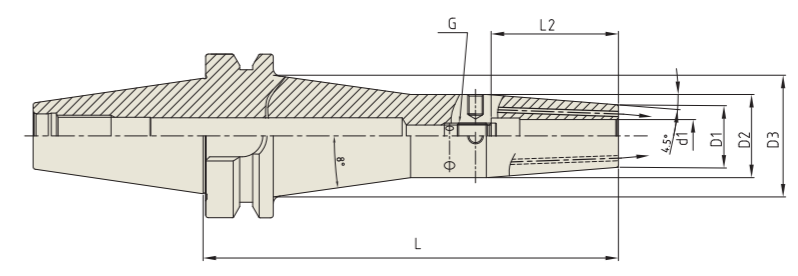
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT(lbs)
VF100JR	50	CBT50 - SFH 1/4CR - 5.12	.250	.827	1.063	5.120	1.417	M5x0.8mm	-
VF101JR		CBT50 - SFH 5/16CR - 5.12	.313	.827	1.063	5.120	1.417	M6x1.0mm	-
VF102JR		CBT50 - SFH 3/8CR - 5.12	.375	.945	1.260	5.120	1.713	M8x1.0mm	-
VF103JR		CBT50 - SFH 7/16CR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

* Resealable type (Thread for plugging screw & screws)

Y/G SHRINK FIT HOLDER

CBT

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



CBT AT3 2.5G 25,000 RPM (at 3D) ≤.00012 AD+C

CBT (BT DUAL CONTACT)

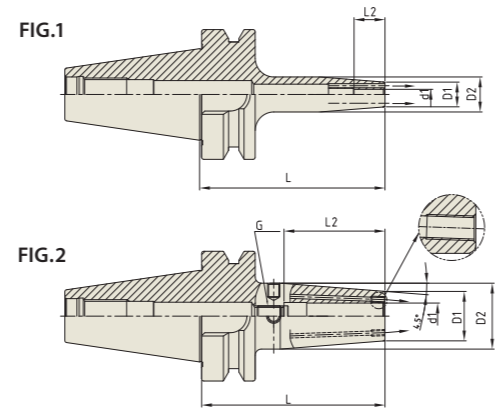
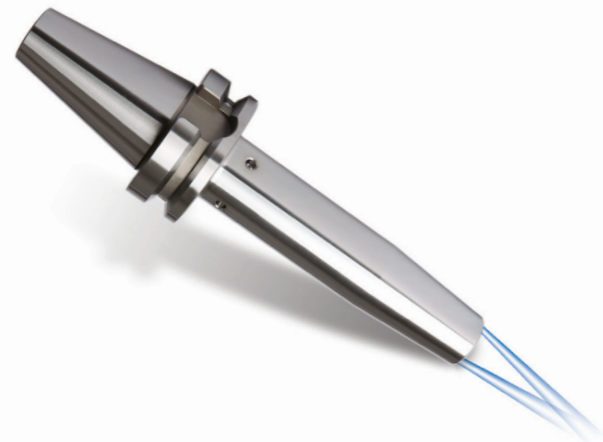
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT(lbs)
VF100JTW	50	CBT50 - SFH 1/4C TW - 6.30	.250	.827	1.063	1.531	6.300	1.417	M5x0.8mm	-
VF101JTW		CBT50 - SFH 5/16C TW - 6.30	.313	.827	1.063	1.531	6.300	1.417	M6x1.0mm	-
VF102JTW		CBT50 - SFH 3/8C TW - 6.30	.375	.945	1.260	1.728	6.300	1.713	M8x1.0mm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

* Resealable type available.

YIG SHRINK FIT HOLDER

CBT

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)



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

CBT (BT DUAL CONTACT)

Unit : mm

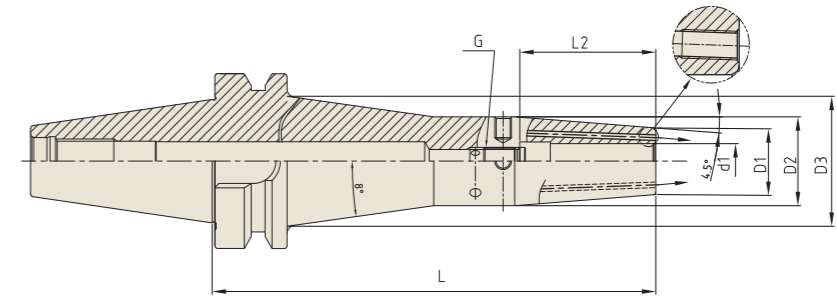
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	FIG.	WEIGHT(Kg)
P2862172C	50	CBT50 - SFH 3C - 100 *1	3	12	17	100	10	-	1	-
P2862173C		CBT50 - SFH 4C - 100 *1	4	12	17	100	12	-	1	-
P2862174C		CBT50 - SFH 5C - 100 *1	5	12	17	100	15	-	1	-
P2862202CR		CBT50 - SFH 6CR - 100	6	21	27	100	36	M5x0.8	2	1.50
P2862175CR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

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

YIG SHRINK FIT HOLDER

CBT

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



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

CBT (BT DUAL CONTACT)

Unit : mm

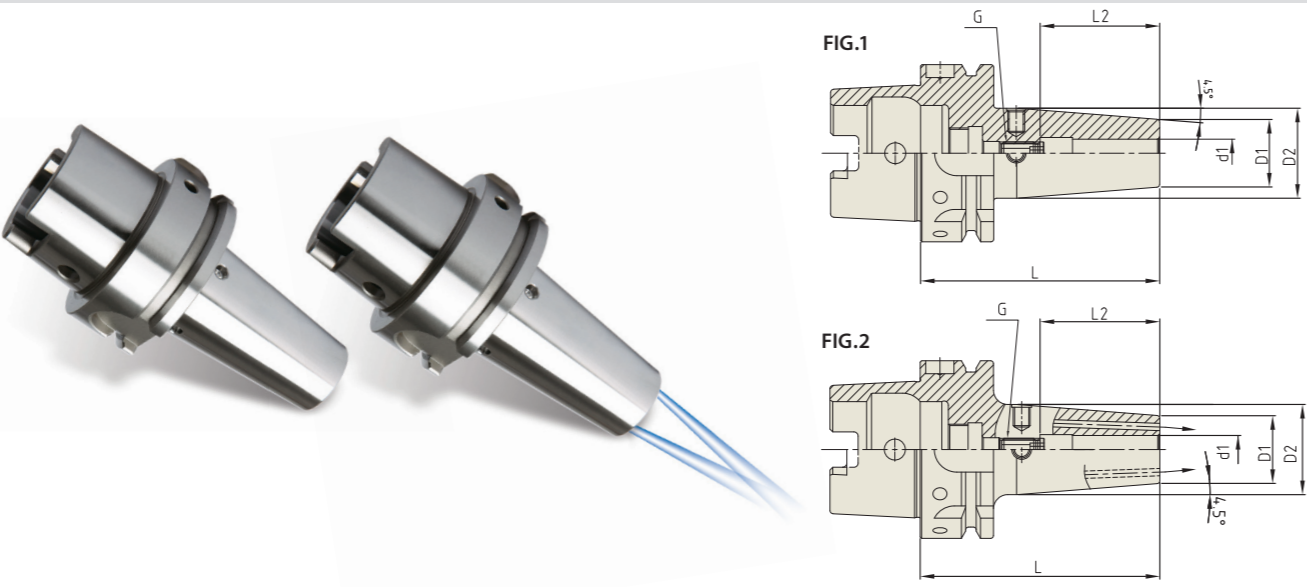
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT(Kg)
P2863206TW	50	CBT50 - SFH 6CTW - 160	6	21	27	38.8	160	36	M5x0.8	4.12
P2863207TW		CBT50 - SFH 8CTW - 160	8	21	27	38.8	160	36	M6x1.0	4.57
P2863208TW		CBT50 - SFH 10CTW - 160	10	24	32	43.8	160	42	M8x1.0	4.76
P2863209TW		CBT50 - SFH 12CTW - 160	12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

* Resealable type available.

Y/G SHRINK FIT HOLDER

HSK

DUAL CONTACT SHRINK FIT HOLDER (Standard, Coolant Channel)



DIN 69893-HSK 2.5G 25,000 RPM (at 3D) ≤.00012" AD, AD+C

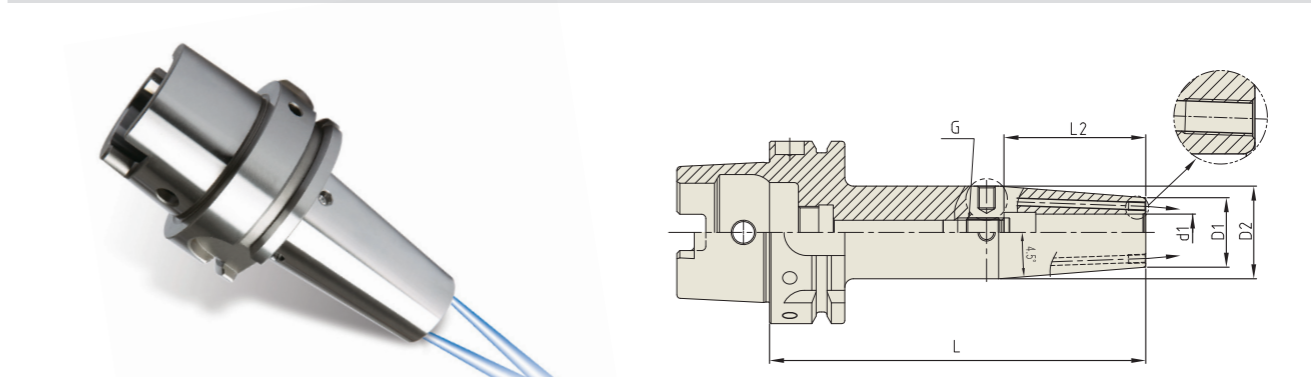
DIN 69893/ISO 12164-1 HSK FORM A

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

Y/G SHRINK FIT HOLDER

HSK

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)



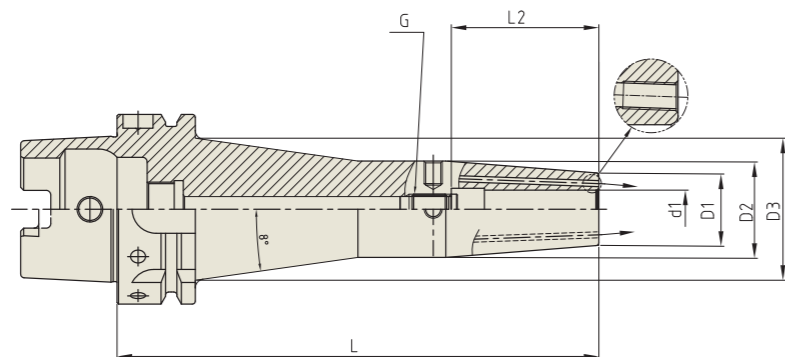
DIN 69893-HSK 2.5G 25,000 RPM (at 3D) ≤.00012" AD+CR

DIN 69893/ISO 12164-1 HSK FORM A

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

* Resealable type (Thread for plugging screw & screws)

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



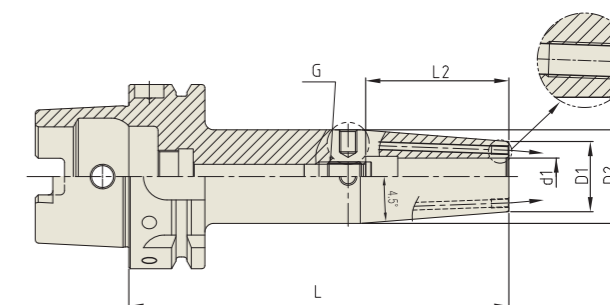
DIN69893/ISO12164-1 HSK FORM A

Unit : inch

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

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

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)



DIN 69893/ISO 12164-1 HSK FORM A

Unit : mm

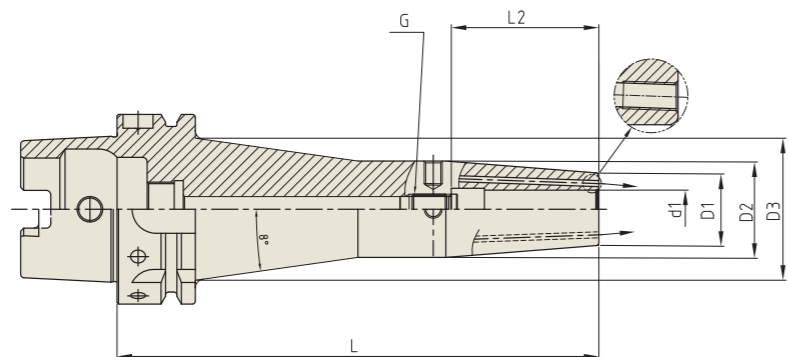
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L2	G	WEIGHT(Kg)
VQ124	63A	HSK63A - SFH 3 - 130 *1	3	10	15	130	10	-	-
VQ125		HSK63A - SFH 4 - 130 *1	4	11	15	130	12	-	-
P2862131C		HSK63A - SFH 3C - 80 *2	3	12	17	80	10	-	-
P2862132C		HSK63A - SFH 4C - 80 *2	4	12	17	80	12	-	-
P2862133C		HSK63A - SFH 5C - 80 *2	5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

* Resealable type (Thread for plugging screw & screws)

*1 Coolant Through type, without back-up screw & balancing tap

*2 Resealable type is not available, without back-up screw, balancing tap

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



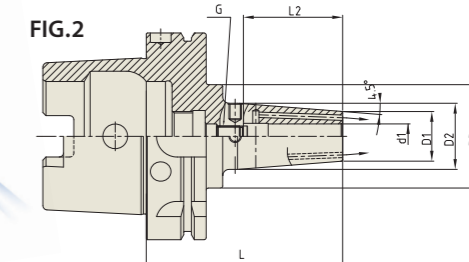
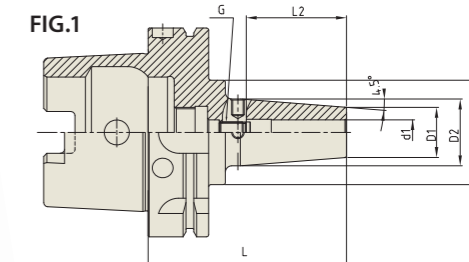
DIN69893/ISO12164-1 HSK FORM A

Unit : mm

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

* Resealable type available.

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel)



DIN 69893/ISO 12164-1 HSK FORM A

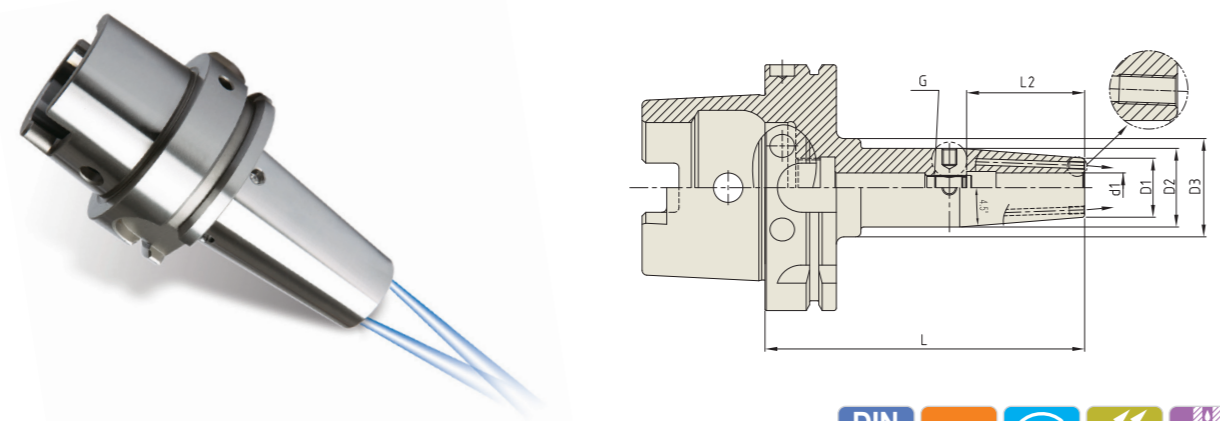
Unit : inch

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

YIG SHRINK FIT HOLDER

HSK

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)



DIN 69893/ISO 12164-1 HSK FORM A

Unit : inch

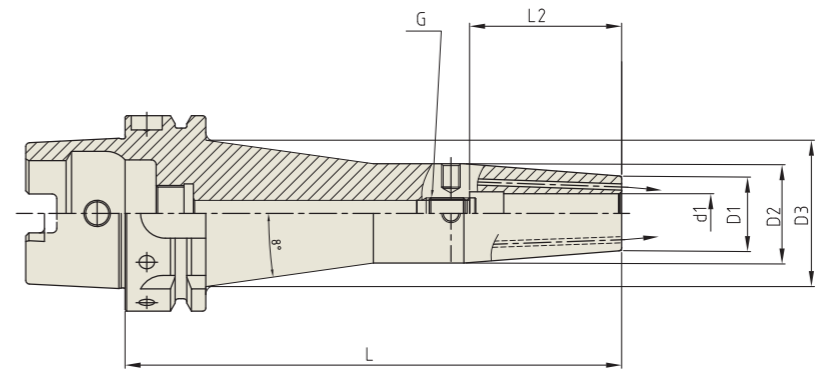
EDP No.	TAPER No.	MODEL No.	d1	D1	D2	D3	L	L2	G	WEIGHT(lbs)
VR301JR	100A	HSK100A - SFH 1/4CR - 5.12	.250	.827	1.063	1.575	5.120	1.417	M5x0.8mm	-
VR302JR		HSK100A - SFH 5/16CR - 5.12	.313	.827	1.063	1.575	5.120	1.417	M6x1.0mm	-
VR303JR		HSK100A - SFH 3/8CR - 5.12	.375	.945	1.260	1.575	5.120	1.713	M8x1.0mm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

* Resealable type (Thread for plugging screw & screws)

YIG SHRINK FIT HOLDER

HSK

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



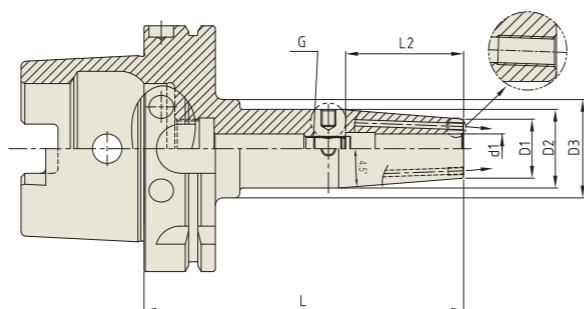
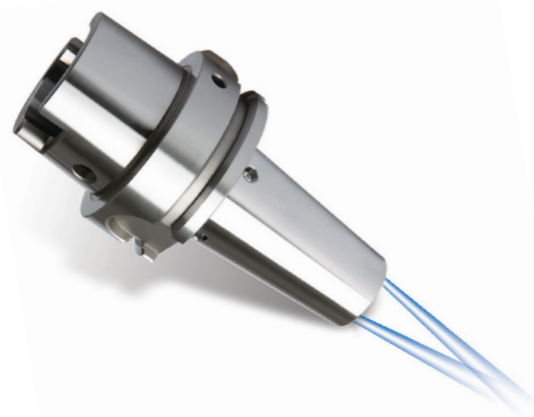
DIN 69893/ISO 12164-1 HSK FORM A

Unit : inch

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

* Resealable type available.

DUAL CONTACT SHRINK FIT HOLDER (Coolant Channel Resealable)



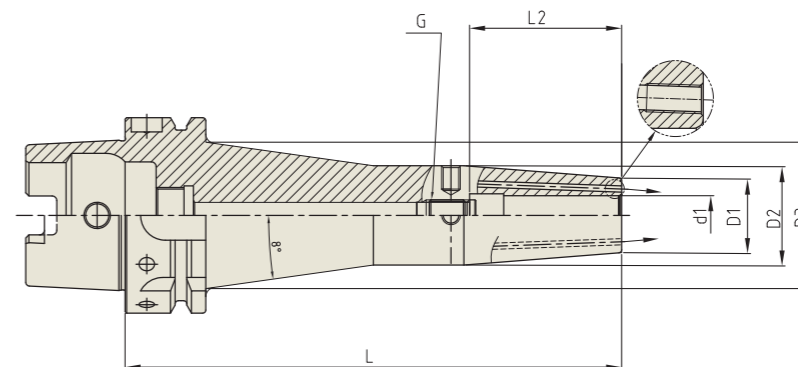
DIN 69893/ISO 12164-1 HSK FORM A

Unit : mm

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

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

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



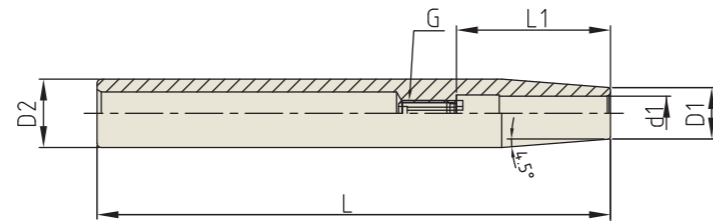
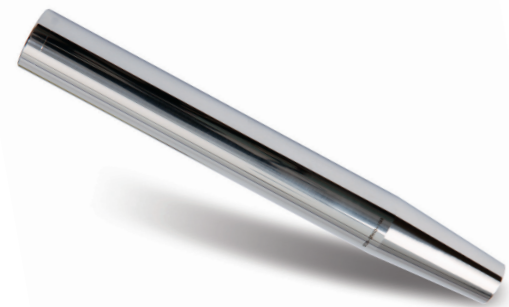
DIN 69893/ISO 12164-1 HSK FORM A

Unit : mm

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

* Resealable type available.

SHRINK FIT EXTENSION

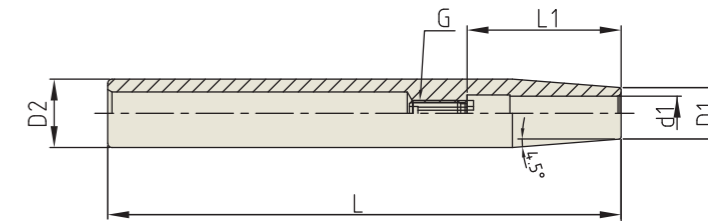
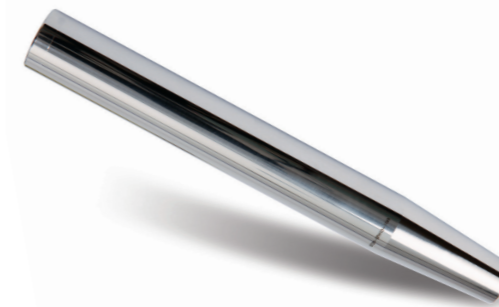


STRAIGHT

Unit : inch

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

SHRINK FIT EXTENSION



STRAIGHT (Standard)

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	G
VS010M	12	ST12 - SFH 3 - 120	3	8	12	120	10	-
VS011M		ST12 - SFH 4 - 120	4	8	12	120	12	-
VS012M		ST12 - SFH 5 - 120	5	10	12	120	15	-
VS013M	16	ST12 - SFH 6 - 120	6	10	12	120	36	M5x0.8
VS020M		ST16 - SFH 3 - 120	3	10	16	120	10	-
VS021M		ST16 - SFH 4 - 120	4	10	16	120	12	-
VS022M	16	ST16 - SFH 5 - 120	5	10	16	120	15	-
VS023M		ST16 - SFH 6 - 120	6	10	16	120	36	M5x0.8
VS024M		ST16 - SFH 8 - 120	8	12	16	120	36	M6x1.0
VS030M	20	ST20 - SFH 3 - 120	3	10	20	120	10	-
VS031M		ST20 - SFH 4 - 120	4	10	20	120	12	-
VS032M		ST20 - SFH 5 - 120	5	10	20	120	15	-
VS033M		ST20 - SFH 6 - 120	6	10	20	120	36	M5x0.8
VS034M		ST20 - SFH 8 - 120	8	12	20	120	36	M6x1.0
VS035M		ST20 - SFH 10 - 120	10	14	20	120	43	M8x1.0
VS036M		ST20 - SFH 12 - 120	12	16	20	120	48	M10x1.0

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Arbor

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

Stub Arbor

Slitting Saw Arbor

Accessory

Technical Information

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Arbor

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

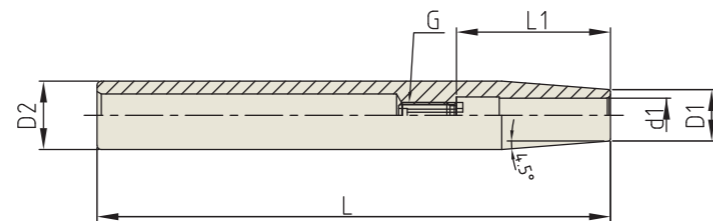
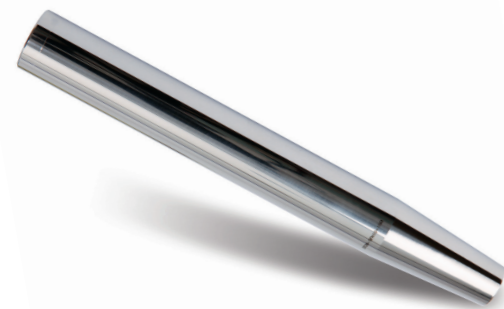
Stub Arbor

Slitting Saw Arbor

Accessory

Technical Information

SHRINK FIT EXTENSION



STRAIGHT (Extended)

Unit : mm

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

YG-1 ROTARY TOOLING

END MILL HOLDER & SIDE LOCK ARBOR

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



END MILL HOLDER

CAT : ASME B5.50-2009

CCT : CAT DUAL CONTACT

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

CBT : BT DUAL CONTACT

HSK : DIN69893/ISO12164-1

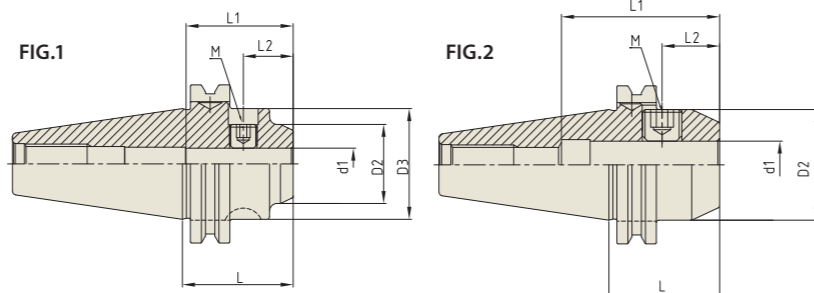
ACCESSORY & PARTS

SIDE LOCK BOLT

YIG END MILL HOLDER & SIDE LOCK ARBOR

CAT

END MILL HOLDER



Side lock bolts
Refer to page D118



ASME B5.50-2009-CAT

■ STUB

Unit : inch

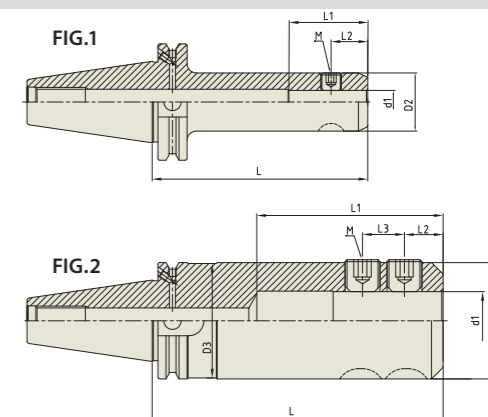
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	M	FIG.
AK206	40	CAT40 - EMH 1/2 - 1.75	.500	1.250	1.750	1.750	1.690	.790	UNF 7/16-20 3/8L	1
AK208		CAT40 - EMH 5/8 - 1.75	.630	1.500	1.750	1.750	1.930	.880	UNF 1/2-20 1/2L	1
AK210		CAT40 - EMH 3/4 - 1.75	.750	1.750	-	1.750	2.050	.910	UNF 5/8-18 1/2L	2
AK214		CAT40 - EMH 1 - 1.75	1.000	1.750	-	1.750	2.170	.830	UNF 3/4-16 3/8L	2
AK217		CAT40 - EMH 1 1/4 - 2.00	1.250	2.250	-	2.000	2.220	.830	UNF 3/4-16 1/2L	2

* High balanced End Mill Holders on page D109-D111, D109-D111, D113-D115, D117.

YIG END MILL HOLDER & SIDE LOCK ARBOR

CAT

END MILL HOLDER



Side lock bolts
Refer to page D118



ASME B5.50-2009-CAT

■ STANDARD

Unit : inch

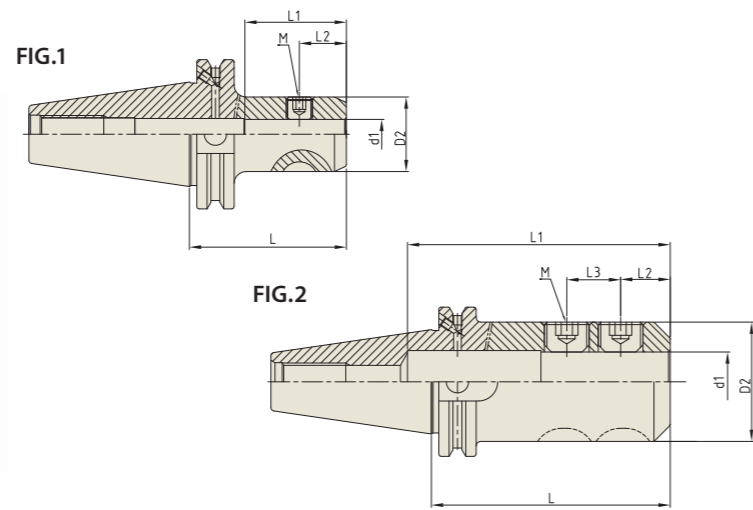
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AK000B	40	CAT40 AD/B - EMH 1/8 - 2.50	.130	.690	-	2.500	.591	.295	-	UNC#8-32 1/4L	1	
AK001B		CAT40 AD/B - EMH 3/16 - 2.50	.190	.690	-	2.500	.787	.441	-	UNC#10-32 1/4L	1	
AK002B		CAT40 AD/B - EMH 1/4 - 2.50	.250	.780	-	2.500	1.299	.598	-	UNF1/4-28 1/4L	1	
AK003B		CAT40 AD/B - EMH 5/16 - 2.50	.310	.880	-	2.500	1.358	.630	-	UNF5/16-24 1/4L	1	
AK004B		CAT40 AD/B - EMH 3/8 - 2.50	.380	1.000	-	2.500	1.417	.630	-	UNF3/8-24 5/16L	1	
AK005B		CAT40 AD/B - EMH 7/16 - 2.50	.440	1.130	-	2.500	1.417	.630	-	UNF3/8-24 25/64L	1	
AK006B		CAT40 AD/B - EMH 1/2 - 2.63	.500	1.250	-	2.630	1.693	.787	-	UNF7/16-20 3/8L	1	
AK008B		CAT40 AD/B - EMH 5/8 - 3.75	.630	1.500	-	3.750	3.600	.881	-	UNF1/2-20 1/2L	1	
AK010B		CAT40 AD/B - EMH 3/4 - 3.75	.750	1.750	-	3.750	3.900	.909	-	UNF5/8-18 1/2L	1	
AK012B		CAT40 AD/B - EMH 7/8 - 4.00	.880	1.880	-	4.000	4.200	.650	.811	UNF5/8-18 1/2L	2	
AK014B		CAT40 AD/B - EMH 1 - 4.00	1.000	2.000	-	4.000	4.400	.831	.902	UNF3/4-16 1/2L	2	
AK017B		CAT40 AD/B - EMH 1 1/4 - 4.25	1.250	2.500	2.461	4.250	4.000	.831	.902	UNF3/4-16 11/16L	2	
AK021B		CAT40 AD/B - EMH 1 1/2 - 4.63	1.500	2.500	2.461	4.630	3.978	.881	1.063	UNF3/4-16 1/2L	2	
AL002B		50	CAT50 AD/B - EMH 1/4 - 2.50	.250	.780	-	2.500	1.299	.598	-	UNF1/4-28 1/4L	1
AL003B			CA50 AD/B - EMH 5/16 - 2.50	.310	.880	-	2.500	1.358	.630	-	UNF5/16-24 1/4L	1
AL004B			CAT50 AD/B - EMH 3/8 - 2.50	.380	1.000	-	2.500	1.417	.630	-	UNF3/8-24 5/16L	1
AL005B			CAT50 AD/B - EMH 7/16 - 2.63	.440	1.130	-	2.630	1.417	.630	-	UNF3/8-24 25/64L	1
AL006B	CAT50 AD/B - EMH 1/2 - 2.63		.500	1.250	-	2.630	1.693	.787	-	UNF7/16-20 3/8L	1	
AL008B	CAT50 AD/B - EMH 5/8 - 3.75		.630	1.500	-	3.750	1.929	.881	-	UNF1/2-20 1/2L	1	
AL010B	CAT50 AD/B - EMH 3/4 - 3.75		.750	1.750	-	3.750	2.047	.909	-	UNF5/8-18 1/2L	1	
AL012B	CAT50 AD/B - EMH 7/8 - 3.75		.880	1.880	-	3.750	4.200	.650	.811	UNF5/8-18 1/2L	2	
AL014B	CAT50 AD/B - EMH 1 - 4.00		1.000	2.000	-	4.000	4.400	.831	.902	UNF3/4-16 1/2L	2	
AL017B	CAT50 AD/B - EMH 1 1/4 - 4.00		1.250	2.500	-	4.000	4.000	.831	.902	UNF3/4-16 11/16L	2	
AL021B	CAT50 AD/B - EMH 1 1/2 - 4.00	1.500	2.500	-	4.000	3.978	.881	1.063	UNF3/4-16 1/2L	2		
AL029B	CAT50 AD/B - EMH 2 - 5.63	2.000	3.750	-	5.630	5.000	1.299	1.358	UNS1-14 7/8L	2		

* High balanced End Mill Holders on page D109-D111, D109-D111, D113-D115, D117.

YG END MILL HOLDER & SIDE LOCK ARBOR

CAT

END MILL HOLDER



Side lock bolts Refer to page D118

ASME B5.50 - CAT AT3 6.3G 15,000 RPM AD/B

ASME B5.50-2009-CAT

■ EXTENDED

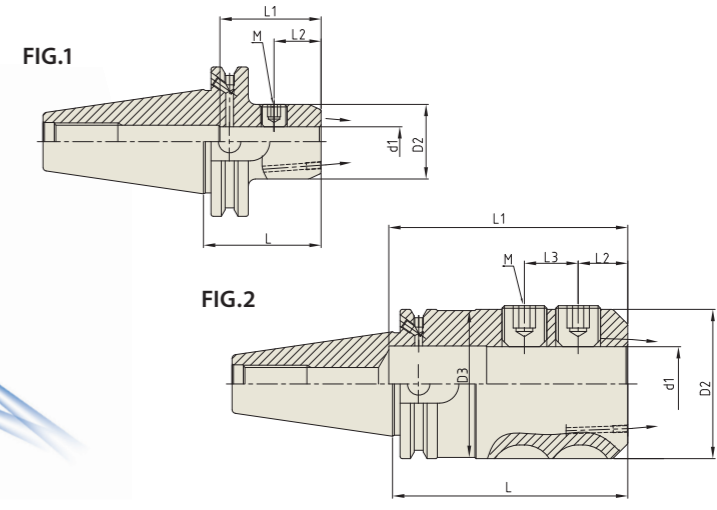
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AK104B	40	CAT40 AD/B - EMH 3/8 - 4.50	.375	1.000	-	4.500	1.417	.630	-	UNF3/8-24 5/16L	1	
AK106B		CAT40 AD/B - EMH 1/2 - 4.63	.500	1.250	-	4.630	1.693	.787	-	UNF7/16-20 3/8L	1	
AK108B		CAT40 AD/B - EMH 5/8 - 5.75	.625	1.500	-	5.750	3.600	.881	-	UNF1/2-20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

* High balanced End Mill Holders on page D109-D111, D109-D111, D113-D115, D117.

YG END MILL HOLDER & SIDE LOCK ARBOR

CAT

END MILL HOLDER (Coolant Channel)



Side lock bolts Refer to page D118

ASME B5.50 - CAT AT3 6.3G 15,000 RPM AD/B+C

ASME B5.50-2009-CAT

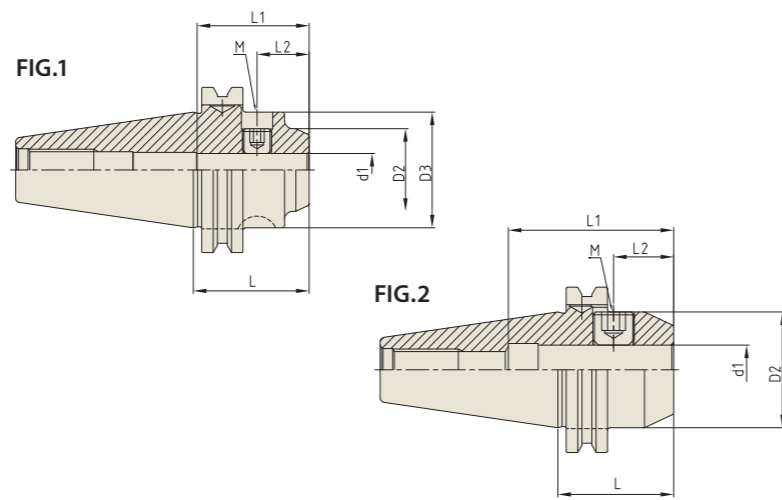
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AK002C	40	CAT40 AD/B - EMH 1/4C - 1.97	.250	.780	-	1.969	1.299	.598	-	UNF1/4-28 1/4L	1	
AK003C		CAT40 AD/B - EMH 5/16C - 1.97	.313	.880	-	1.969	1.359	.630	-	UNF5/16-24 1/4L	1	
AK004C		CAT40 AD/B - EMH 3/8C - 1.97	.375	1.000	-	1.969	1.417	.630	-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

* High balanced End Mill Holders on page D109-D111, D109-D111, D113-D115, D117.

YG END MILL HOLDER & SIDE LOCK ARBOR

CAT

HIGH BALANCED END MILL HOLDER



ASME B5.50-2009-CAT

Side lock bolts
Refer to page D118



STUB

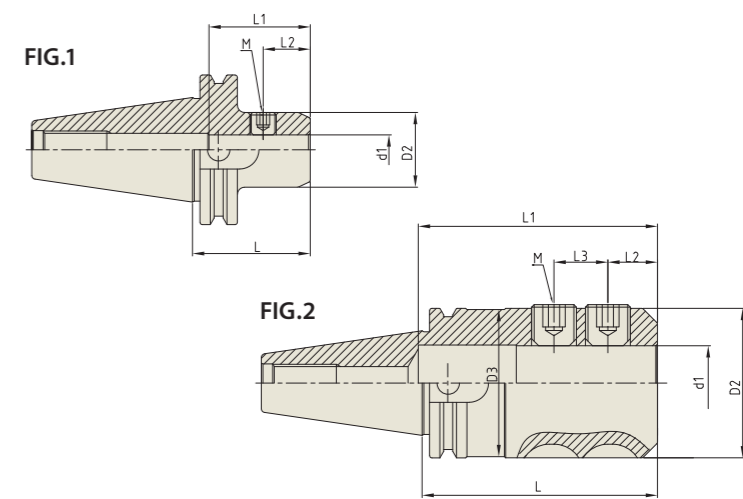
Unit : inch

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

YG END MILL HOLDER & SIDE LOCK ARBOR

CAT

HIGH BALANCED END MILL HOLDER



ASME B5.50-2009-CAT

Side lock bolts
Refer to page D118



STANDARD

Unit : inch

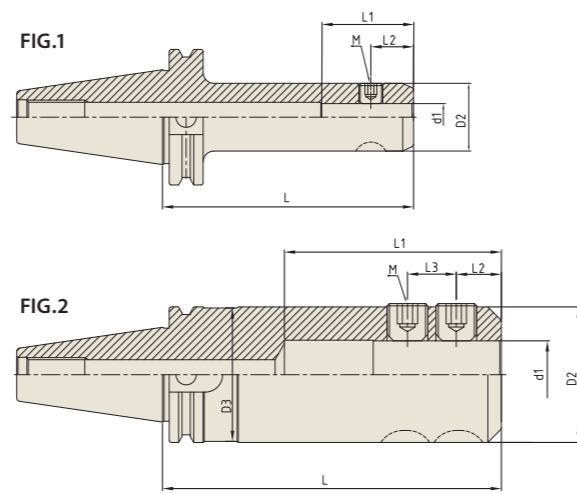
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AK000B25	40	CAT40 - EMH 1/8 - 2.50	.125	.690	-	2.500	.591	.295	-	UNC#8-32 1/4L	1	
AK001B25		CAT40 - EMH 3/16 - 2.50	.187	.690	-	2.500	.787	.441	-	UNC#10-32 1/4L	1	
AK002B25		CAT40 - EMH 1/4 - 2.50	.250	.780	-	2.500	1.299	.598	-	UNF1/4-28 1/4L	1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



END MILL HOLDER & SIDE LOCK ARBOR

CAT

HIGH BALANCED END MILL HOLDER



Side lock bolts Refer to page D118



ASME B5.50-2009-CAT

EXTENDED

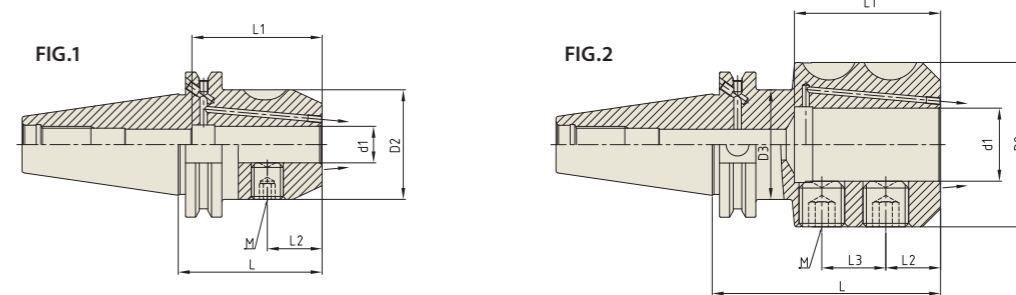
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AK104B25	40	CAT40 - EMH 3/8 - 4.50	.375	1.000	-	4.500	1.417	.630	-	UNF3/8-24 5/16L	1	
AK106B25		CAT40 - EMH 1/2 - 4.63	.500	1.250	-	4.630	1.693	.787	-	UNF7/16-20 3/8L	1	
AK108B25		CAT40 - EMH 5/8 - 5.75	.625	1.500	-	5.750	3.600	.882	-	UNF1/2-20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



END MILL HOLDER & SIDE LOCK ARBOR

CAT

END MILL HOLDER (Coolant Channel)



Side lock bolts Refer to page D118



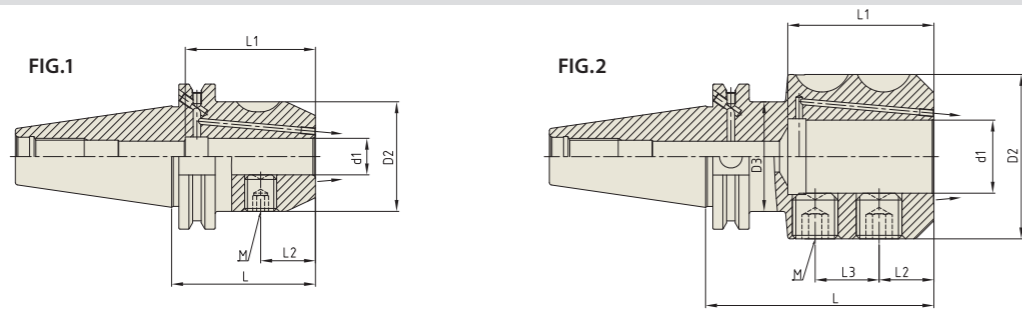
ASME B5.50-2009-CAT

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

END MILL HOLDER & SIDE LOCK ARBOR

CAT

HIGH BALANCED END MILL HOLDER (Coolant Channel)



ASME B5.50-2009-CAT

Side lock bolts Refer to page D118

ASME B5.50 - CAT AT3 2.5G 25,000 RPM AD/B+C

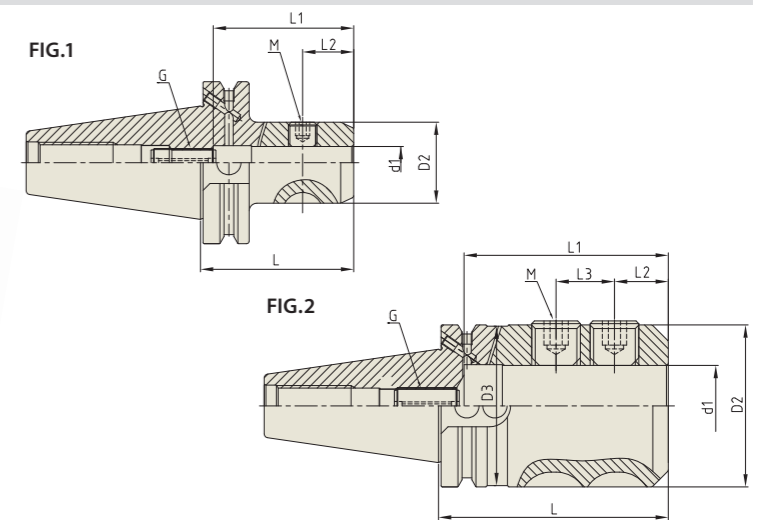
Unit : mm

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

END MILL HOLDER & SIDE LOCK ARBOR

CCT

DUAL CONTACT SIDE LOCK ARBOR



CCT (CAT DUAL CONTACT)

Side lock bolts Refer to page D118

CCT AT3 2.5G 25,000 RPM AD/B

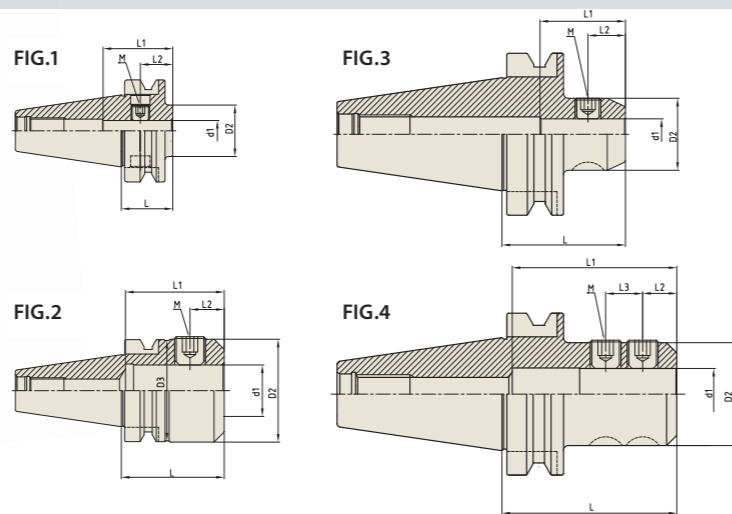
Unit : inch

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

YMG END MILL HOLDER & SIDE LOCK ARBOR

BT

END MILL HOLDER



Side lock bolts
Refer to page D118



JIS B6339/MAS 403-BT

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

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

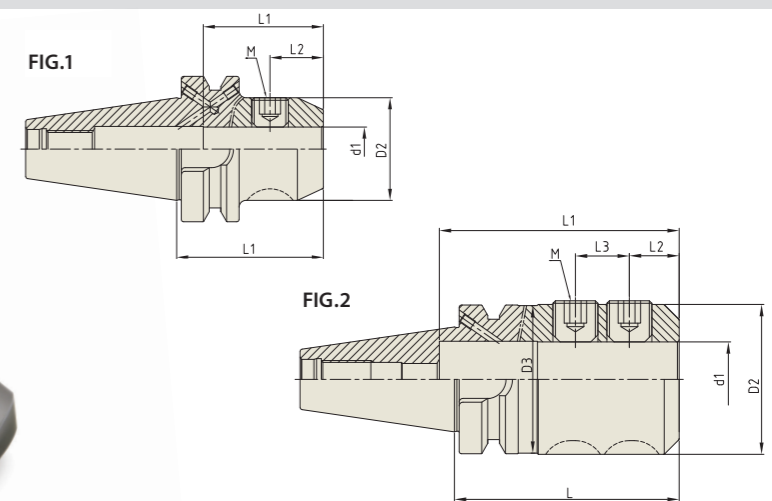
EXTENDED												Unit : inch
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AI104	50	BT50 - EMH 3/8 - 6.00	.375	1.000	-	6.000	1.417	.630	-	UNF3/8-24 5/16L	3	
AI106		BT50 - EMH 1/2 - 6.00	.500	1.250	-	6.000	1.693	.787	-	UNF7/16-20 3/8L	3	
AI108		BT50 - EMH 5/8 - 6.00	.625	1.500	-	6.000	1.929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

* High balanced End Mill Holders on page D109-D111, D109-D111, D113-D115, D117.

YMG END MILL HOLDER & SIDE LOCK ARBOR

BT

END MILL HOLDER



Side lock bolts
Refer to page D118



JIS B6339/MAS 403-BT

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

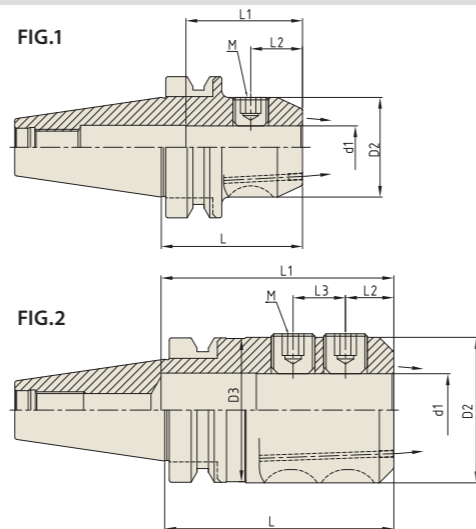
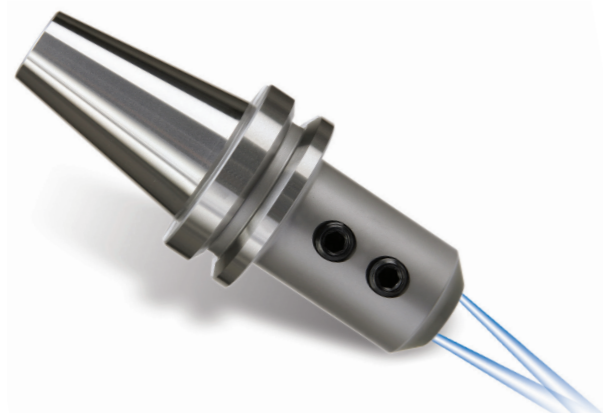
EXTENDED												Unit : inch
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AH104B	40	BT40 AD/B - EMH 3/8 - 4.00	.375	1.000	-	4.000	1.417	.630	-	UNF3/8-24 5/16L	1	
AH106B		BT40 AD/B - EMH 1/2 - 4.00	.500	1.250	-	4.000	1.693	.787	-	UNF7/16-20 3/8L	1	
AH108B		BT40 AD/B - EMH 5/8 - 4.00	.625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

* High balanced End Mill Holders on page D109-D111, D109-D111, D113-D115, D117.

END MILL HOLDER & SIDE LOCK ARBOR

BT

END MILL HOLDER (Coolant Channel)



JIS B6339/MAS 403-BT

Side lock bolts
Refer to page D118



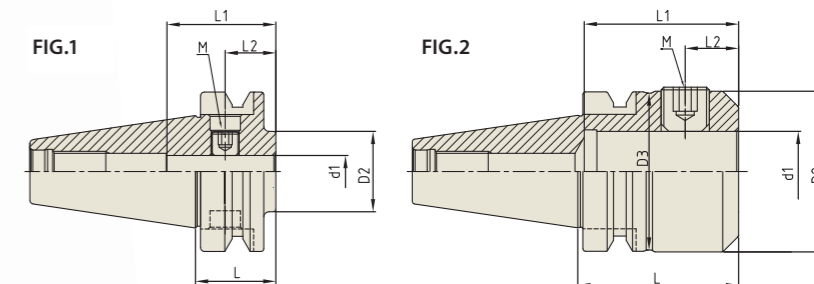
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.
AH002C	40	BT40 AD/B - EMH 1/4C - 1.97	.250	.780	-	1.969	1.299	.598	-	UNF1/4-28 1/4L	1
AH003C		BT40 AD/B - EMH 5/16C - 1.97	.313	.880	-	1.969	1.358	.630	-	UNF5/16-24 1/4L	1
AH004C		BT40 AD/B - EMH 3/8C - 2.48	.375	1.000	-	2.480	1.417	.630	-	UNF3/8-24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

* High balanced End Mill Holders on page D109-D111, D109-D111, D113-D115, D117.

END MILL HOLDER & SIDE LOCK ARBOR

BT

HIGH BALANCED END MILL HOLDER



JIS B6339/MAS 403-BT

Side lock bolts
Refer to page D118



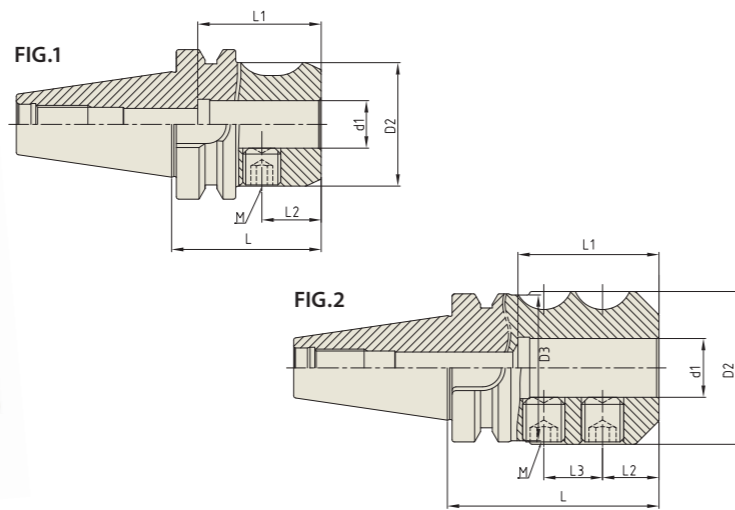
STUB

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

END MILL HOLDER & SIDE LOCK ARBOR

BT

HIGH BALANCED END MILL HOLDER



Side lock bolts
Refer to page D118



JIS B6339/MAS 403-BT

■ STANDARD

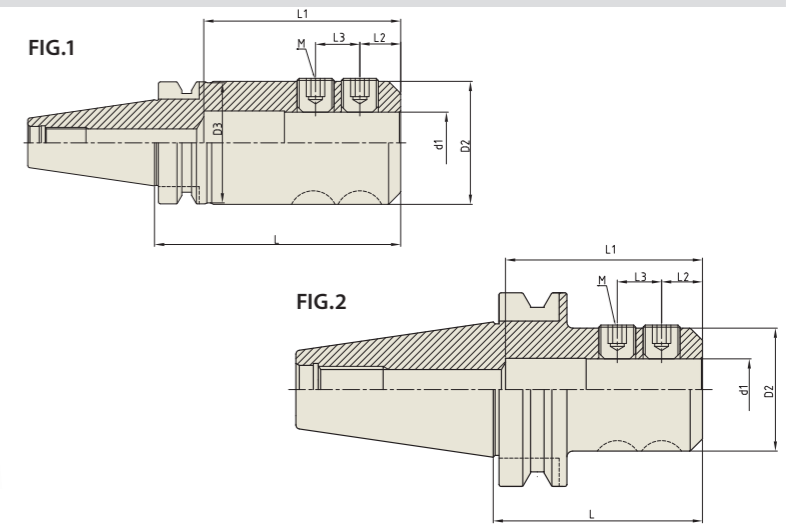
Unit : inch

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

END MILL HOLDER & SIDE LOCK ARBOR

BT

HIGH BALANCED END MILL HOLDER



Side lock bolts
Refer to page D118



JIS B6339/MAS 403 - BT

■ EXTENDED

Unit : inch

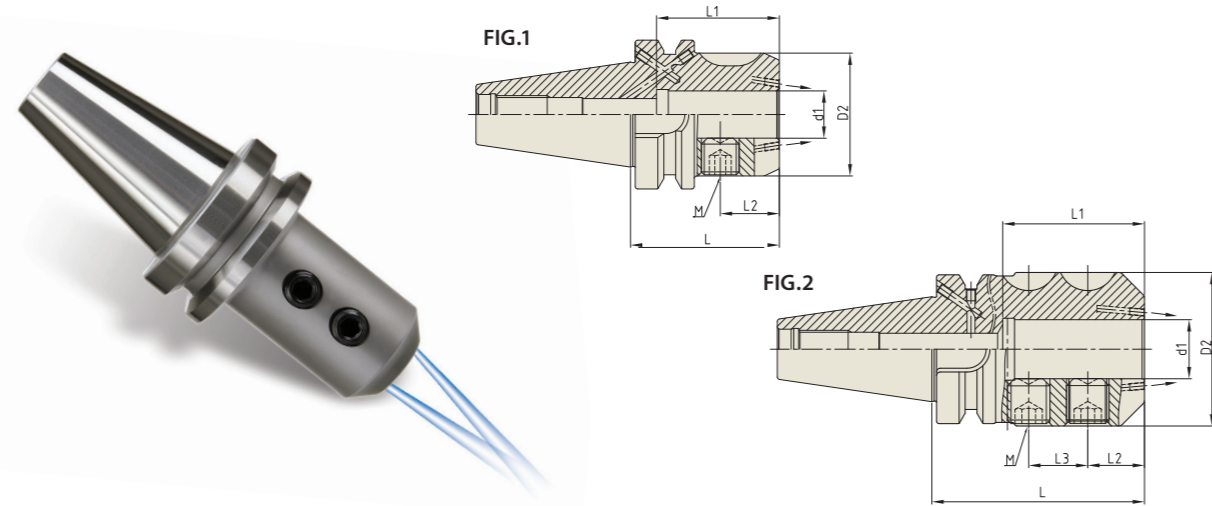
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.	
AH104B25	40	BT40 - EMH 3/8 - 4.00	.375	1.000	-	4.000	1.417	.630	-	UNF3/8-24 5/16L	1	
AH106B25		BT40 - EMH 1/2 - 4.00	.500	1.250	-	4.000	1.693	.787	-	UNF7/16-20 3/8L	1	
AH108B25		BT40 - EMH 5/8 - 4.00	.625	1.500	-	4.000	3.600	.881	-	UNF1/2-20 1/2L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



END MILL HOLDER & SIDE LOCK ARBOR

BT

END MILL HOLDER (Coolant Channel)



JIS B6339/MAS 403 - BT



Unit : mm

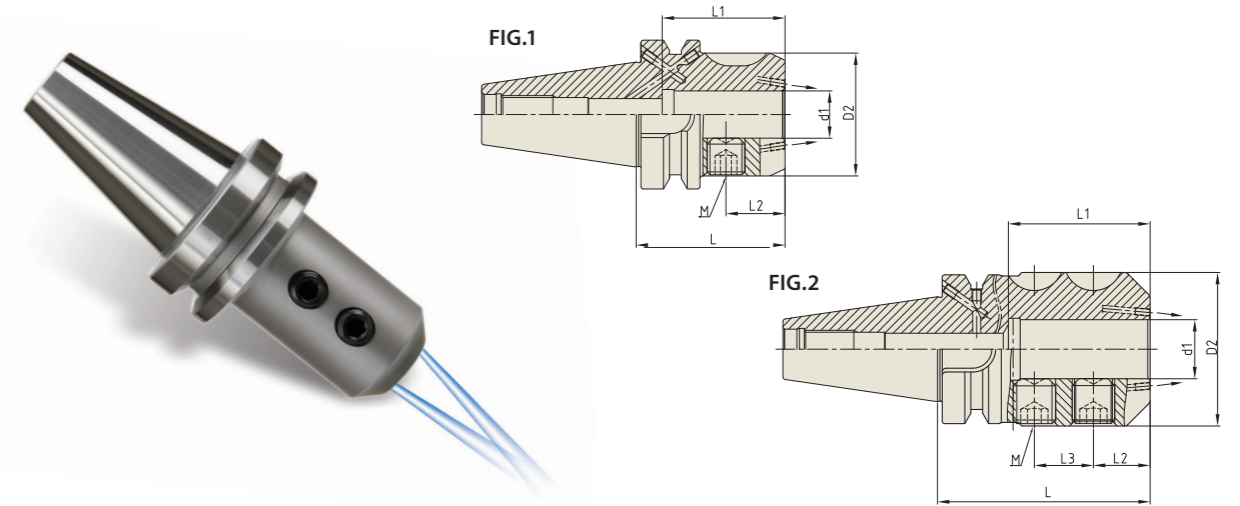
EDP No.	TAPER No.	MODEL No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT(Kg)
AH311B15C	40	BT40 AD/B - EMH 6C - 50	6	25	50	35	18	-	M6	1	1.00
AH312B15C		BT40 AD/B - EMH 8C - 50	8	28	50	35	18	-	M8	1	1.00
AH313B15C		BT40 AD/B - EMH 10C - 63	10	35	63	39	20	-	M10	1	1.10
AH314B15C		BT40 AD/B - EMH 12C - 63	12	42	63	44	22.5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



END MILL HOLDER & SIDE LOCK ARBOR

BT

HIGH BALANCED END MILL HOLDER (Coolant Channel)



JIS B6339/MAS 403 - BT



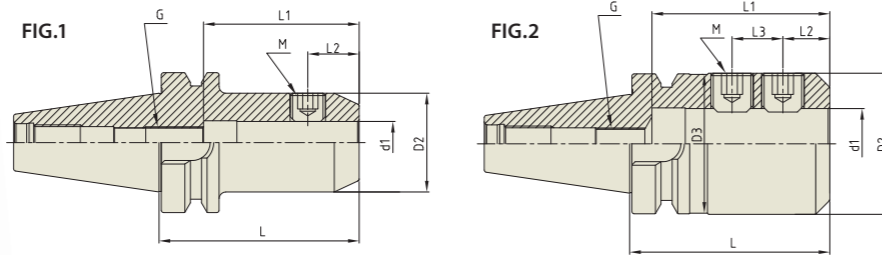
Unit : mm

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

YIG END MILL HOLDER & SIDE LOCK ARBOR

CBT

DUAL CONTACT SIDE LOCK ARBOR



Side lock bolts
Refer to page D118



CBT (BT DUAL CONTACT)

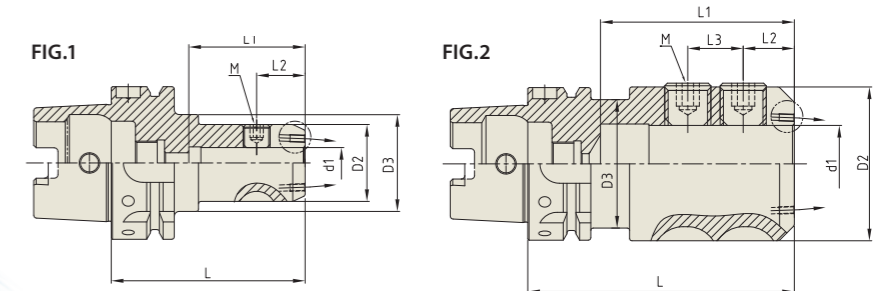
Unit : inch

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

YIG END MILL HOLDER & SIDE LOCK ARBOR

HSK

DUAL CONTACT END MILL HOLDER (Coolant Channel)



Side lock bolts
Refer to page D118



DIN 69893/ISO 12164-1-HSK FORM A

Unit : inch

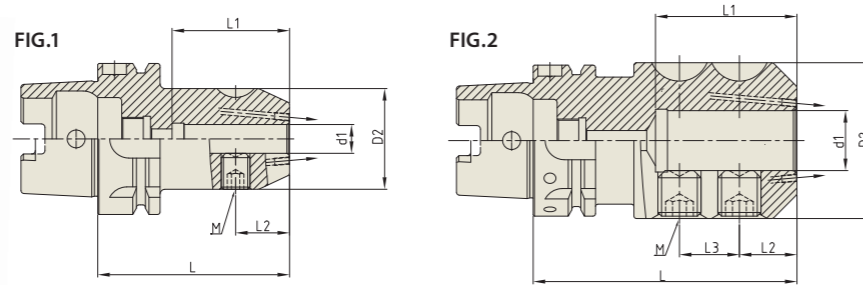
EDP No.	TAPER No.	MODEL No.	d1	D2	D3	L	L1	L2	L3	M	FIG.
AQ020C	63A	HSK63A - EMH 1/4C - 2.56	.250	.780	1.181	2.559	1.299	.598	-	UNF1/4-28 1/4L	1
AQ022C		HSK63A - EMH 5/16C - 2.56	.313	.880	1.181	2.559	1.358	.630	-	UNF5/16-24 1/4L	1
AQ024C		HSK63A - EMH 3/8C - 2.56	.375	1.000	1.181	2.559	1.535	.630	-	UNF3/8-24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



END MILL HOLDER & SIDE LOCK ARBOR

HSK

END MILL HOLDER (Coolant Channel)



Side lock bolts
Refer to page D118



DIN69893/ISO12164-1 HSK FORM A

Unit : mm

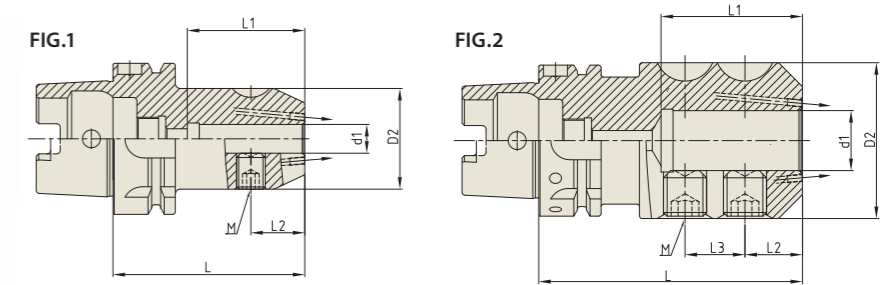
EDP No.	TAPER No.	MODEL No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT(Kg)
AP001B15C	40A	HSK40A - EMH 6C - 60	6	25	60	38	18	-	M6	1	0.30
AP002B15C		HSK40A - EMH 8C - 60	8	28	60	38	18	-	M8	1	0.30
AP003B15C		HSK40A - EMH 10C - 60	10	35	60	42	20	-	M10	1	0.30
AP004B15C		HSK40A - EMH 12C - 70	12	42	70	47	22.5	-	M12	1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



END MILL HOLDER & SIDE LOCK ARBOR

HSK

HIGH BALANCED END MILL HOLDER (Coolant Channel)



Side lock bolts
Refer to page D118



DIN69893/ISO12164-1 HSK FORM A

Unit : mm

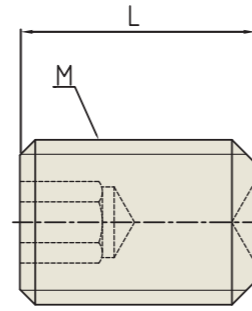
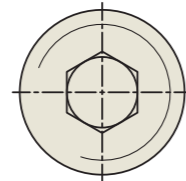
EDP No.	TAPER No.	MODEL No.	d1	D2	L	L1	L2	L3	M	FIG.	WEIGHT(Kg)
AP001B25C	40A	HSK40A - EMH 6C - 60	6	25	60	38	18	-	M6	1	0.30
AP002B25C		HSK40A - EMH 8C - 60	8	28	60	38	18	-	M8	1	0.30
AP003B25C		HSK40A - EMH 10C - 60	10	35	60	42	20	-	M10	1	0.30
AP004B25C		HSK40A - EMH 12C - 70	12	42	70	47	22.5	-	M12	1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



END MILL HOLDER & SIDE LOCK ARBOR

PART

SIDE LOCK BOLT (For End Mill Holder & Side Lock Arbor)



Unit : inch

EMH & SLA ID	EMH			SLA		
	M	L	EDP No.	M	L	EDP No.
1/8	UNC#8-32	1/4 (.250)	ZZ000	-	-	-
3/16	UNC#10-32	1/4 (.250)	ZZ001	-	-	-
1/4	UNF1/4-28	1/4 (.250)	ZZ002	UNF1/4-28	1/4 (.250)	ZZ002
5/16	UNF5/16-24	1/4 (.250)	ZZ003	UNF5/16-24	1/4 (.250)	ZZ003
3/8	UNF3/8-24	5/16(.313)	ZZ004	UNF3/8-24	5/16(.313)	ZZ004
7/16	UNF3/8-24	25/64 (.391)	ZZ005	-	-	-
1/2	UNF7/16-20	3/8 (.375)	ZZ006	UNF7/16-20	3/8 (.375)	ZZ006
5/8	UNF1/2-20	1/2 (.500)	ZZ007	UNF1/2-20	1/2 (.500)	ZZ007
3/4	UNF5/8-18	1/2 (.500)	ZZ008	-	-	-
7/8	UNF5/8-18	1/2 (.500)	ZZ009	UNF5/8-18	1/2 (.500)	ZZ009
1	UNF3/4-16	1/2 (.500)	ZZ010	UNF3/4-16	1/2 (.500)	ZZ010
1 1/4	UNF3/4-16	11/16(.688)	ZZ011	UNF3/4-16	11/16(.688)	ZZ011
1 1/2	UNF3/4-16	1/2 (.500)	ZZ012	-	-	-
2	UNS1-14- 7/8L	7/8 (.875)	ZZ013	-	-	-

Unit : mm

EMH & SLA ID	EMH			SLA		
	M	L	EDP No.	M	L	EDP No.
6	M6x1.0	10.5	P2778088	M5x0.8	8	P2778079
8	M8x1.25	10.5	P2778089	M6x1.0	10	P2778080
10	M10x1.5	12.5	P2778090	M8x1.25	12	P2778081
12	M12x1.75	16.5	P2778091	M10x1.5	14	P2778082
14	M12x1.75	15.0	P2778092	M10x1.5	14	P2778082
16	M14x2.0	16.5	P2778093	M12x1.75	12	P2778083
18	M14x2.0	16.5	P2778093	-	-	-
20	M16 x2.0	16.5	P2778094	M12x1.75	16	P2778084
25	M18x2.0	20.5	P2778095	M14x2.0	14	P2778085
32	M20x2.0	20.5	P2778096	M16 x2.0	16	P2778086
40	M20x2.0	20.5	P2778096	M16 x2.0	16	P2778086
42	-	-	-	M16 x2.0	16	P2778086
42	-	-	-	M16 x2.0	12	P2778099
50	M24x2.0	25.5	P2778098	-	-	-
50.8	-	-	-	M20x2.5	25	P2778087
50.8	-	-	-	M20x2.5	25.5	P2778100

YG-1 ROTARY TOOLING

ER COLLET CHUCK

STUB, STANDARD, EXTENDED, EXTRA EXTENDED, SHORT, FOR TAPPING, FOR CNC LATHE

ER COLLET CHUCK

CAT : ASME B5.50-2009

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

HSK : DIN69893/ISO12164-1

SHORT, STRAIGHT-K

NC ER For CNC LATHE



ACCESSORY & PARTS

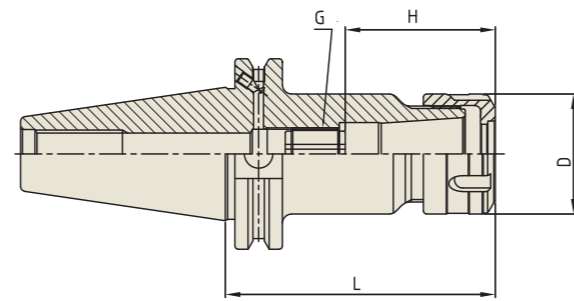
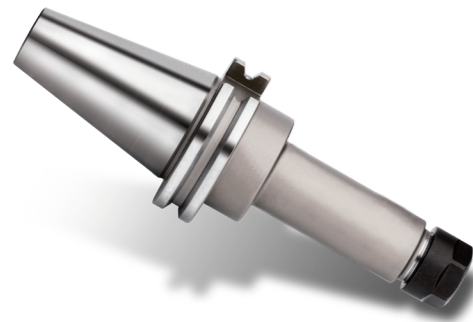
ER COLLET

NUT, WRENCH, STOP SCREW

Y/G ER COLLET CHUCK

CAT

ER COLLET CHUCK



ER Collets, Nuts, Wrenches, Stop Screws Refer to page D128-D137

ASME B5.50-2009-CAT

STUB

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BK232B	40	CAT40 AD/B - ER 20 - 2.55	.039 - .511	1.339	2.550	1.220	2.315	UN9/16-16 1/2L	ER20
BK233B		CAT40 AD/B - ER 25 - 2.50	.039 - .629	1.654	2.500	1.339	2.335	UN11/16-16 1/2L	ER25
BK234B		CAT40 AD/B - ER 32 - 2.70	.078 - .787	1.969	2.700	1.575	3.555	UN7/8-16 1/2L	ER32

STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BK030B	40	CAT40 AD/B - ER 11 - 3.00	.019 - .275	.748	3.000	.654	1.177	UN5/16-18 1/2L	ER11
BK031B		CAT40 AD/B - ER 16 - 3.00	.019 - .393	1.102	3.000	1.008	2.240	UN7/16-18 1/2L	ER16
BK032B		CAT40 AD/B - ER 20 - 4.00	.039 - .511	1.339	4.000	1.220	2.315	UN9/16-16 1/2L	ER20
BK133B		CAT40 AD/B - ER 25 - 4.00	.039 - .629	1.654	4.000	1.339	2.335	UN11/16-16 1/2L	ER25
BK134B		CAT40 AD/B - ER 32 - 4.00	.078 - .787	1.969	4.000	1.575	3.555	UN7/8-16 1/2L	ER32
BK136B		CAT40 AD/B - ER 40 - 4.00	.118 - 1.024	2.480	4.000	2.283	3.634	UN1 1/8-16 1/2L	ER40
BL031B	50	CAT50 AD/B - ER 16 - 4.00	.019 - .393	1.100	4.000	1.008	1.839	UN7/16-18 1/2L	ER16
BL032B		CAT50 AD/B - ER 20 - 4.00	.039 - .511	1.339	4.000	1.220	2.315	UN9/16-16 1/2L	ER20
BL033B		CAT50 AD/B - ER 25 - 4.00	.039 - .629	1.654	4.000	1.339	2.335	UN11/16-16 1/2L	ER25
BL034B		CAT50 AD/B - ER 32 - 4.00	.078 - .787	1.969	4.000	1.575	3.555	UN7/8-16 1/2L	ER32
BL036B		CAT50 AD/B - ER 40 - 4.00	.118 - 1.024	2.480	4.000	2.283	3.634	UN1 1/8-16 1/2L	ER40

EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BK331B	40	CAT40 AD/B - ER 16 - 6.00	.019 - .393	1.102	6.000	1.008	2.240	UN7/16-18 1/2L	ER16
BK332B		CAT40 AD/B - ER 20 - 6.00	.039 - .511	1.339	6.000	1.220	2.315	UN9/16-16 1/2L	ER20
BK333B		CAT40 AD/B - ER 25 - 6.00	.039 - .629	1.654	6.000	1.339	2.335	UN11/16-16 1/2L	ER25
BK334B		CAT40 AD/B - ER 32 - 6.00	.078 - .787	1.969	6.000	1.575	3.555	UN7/8-16 1/2L	ER32
BL331B		50	CAT50 AD/B - ER 16 - 6.00	.019 - .393	1.100	6.000	1.008	1.839	UN7/16-18 1/2L
BL332B	CAT50 AD/B - ER 20 - 6.00		.039 - .511	1.330	6.000	1.220	2.315	UN9/16-16 1/2L	ER20
BL333B	CAT50 AD/B - ER 25 - 6.00		.039 - .629	1.650	6.000	1.339	2.335	UN11/16-16 1/2L	ER25
BL334B	CAT50 AD/B - ER 32 - 6.00		.078 - .787	1.960	6.000	1.575	3.555	UN7/8-16 1/2L	ER32

EXTRA EXTENDED

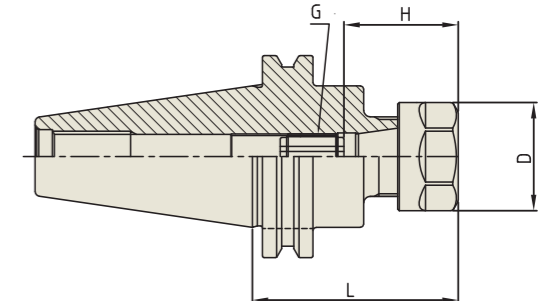
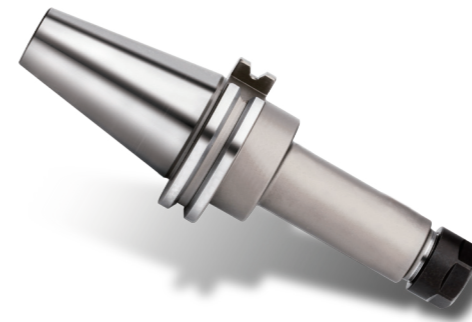
Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BK434B	40	CAT40 AD/B - ER 16 - 8.00	.019 - .393	1.102	8.000	1.008	2.240	UN7/16-18 1/2L	ER16
BK432B		CAT40 AD/B - ER 20 - 8.00	.039 - .511	1.339	8.000	2.283	3.634	UN9/16-16 1/2	ER20
BK435B		CAT40 AD/B - ER 25 - 8.00	.039 - .629	1.654	8.000	1.339	2.335	UN11/16-16 1/2L	ER25
BK433B		CAT40 AD/B - ER 32 - 8.00	.078 - .787	1.969	8.000	1.575	3.555	UN7/8-16 1/2L	ER32

Y/G ER COLLET CHUCK

CAT

HIGH BALANCED ER COLLET CHUCK



ER Collets, Nuts, Wrenches, Stop Screws Refer to page D128-D137

ASME B5.50-2009-CAT

STUB

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BK232B25	40	CAT40 - ER 20 - 2.55	.039 - .511	1.339	2.500	2.315	1.272	UN9/16-16 1/2L	ER20
BK233B25		CAT40 - ER 25 - 2.50	.039 - .629	1.654	2.500	2.335	1.339	UN11/16-16 1/2L	ER25
BK233B25		CAT40 - ER 32 - 2.70	.078 - .787	1.969	2.400	3.555	1.575	UN7/8-16 1/2L	ER32

STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BK030B25	40	CAT40 - ER 11 - 3.00	.019 - .275	.748	3.000	.654	1.177	UN5/16-18 1/2L	ER11
BK031B25		CAT40 - ER 16 - 2.88	.019 - .393	1.102	2.880	1.008	2.240	UN7/16-18 1/2L	ER16
BK032B25		CAT40 - ER 20 - 4.00	.039 - .511	1.339	4.000	1.220	2.315	UN9/16-16 1/2L	ER20
BK133B25		CAT40 - ER 25 - 4.00	.039 - .629	1.654	4.000	1.339	2.335	UN11/16-16 1/2L	ER25
BK134B25		CAT40 - ER 32 - 4.00	.078 - .787	1.969	4.000	1.575	3.555	UN7/8-16 1/2L	ER32
BL031B25		50	CAT50 - ER 16 - 4.88	.019 - .393	1.102	4.880	1.008	1.839	UN7/16-18 1/2L
BL032B25	CAT50 - ER 20 - 4.00		.039 - .511	1.339	4.000	1.220	2.315	UN9/16-16 1/2L	ER20
BL033B25	CAT50 - ER 25 - 4.00		.039 - .629	1.654	4.000	1.339	2.335	UN11/16-16 1/2L	ER25
BL034B25	CAT50 - ER 32 - 4.00		.078 - .787	1.969	4.000	1.575	3.555	UN7/8-16 1/2L	ER32

EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BK331B25	40	CAT40 - ER 16 - 4.88	.019 - .393	1.100	4.880	1.008	2.240	UN7/16-18 1/2L	ER16
BK332B25		CAT40 - ER 20 - 6.00	.039 - .511	1.330	6.000	1.220	2.315	UN9/16-16 1/2L	ER20
BK333B25		CAT40 - ER 25 - 6.00	.039 - .629	1.650	6.000	1.339	2.335	UN11/16-16 1/2L	ER25
BK334B25		CAT40 - ER 32 - 6.00	.078 - .787	1.960	6.000	1.575	3.555	UN7/8-16 1/2L	ER32
BL331B25	50	CAT50 - ER 16 - 6.88	.019 - .393	1.100	6.880	1.008	1.839	UN7/16-18 1/2L	ER16
BL332B25		CAT50 - ER 20 - 6.00	.039 - .511	1.330	6.000	1.220	2.315	UN9/16-16 1/2L	ER20
BL333B25		CAT50 - ER 25 - 6.00	.039 - .629	1.650	6.000	1.339	2.335	UN11/16-16 1/2L	ER25
BL334B25		CAT50 - ER 32 - 6.00	.078 - .787	1.960	6.000	1.575	3.555	UN7/8-16 1/2L	ER32

EXTRA EXTENDED

Unit : inch

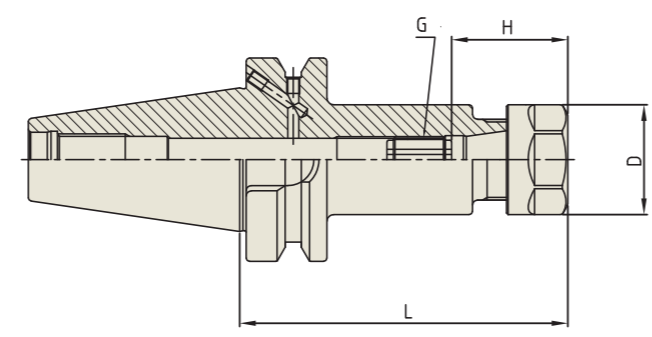
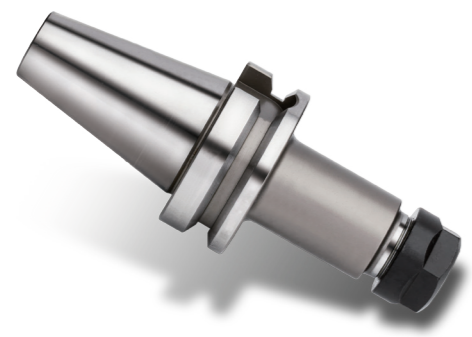
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BK434B25	40	CAT40 - ER 16 - 8.00	.019 - .393	1.102	8.000	1.008	2.240	UN7/16-18 1/2L	ER16
BK432B25		CAT40 - ER 20 - 8.00	.039 - .511	1.339	8.000	2.283	3.634	UN9/16-16 1/2	ER20
BK435B25		CAT40 - ER 25 - 8.00	.039 - .629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

* Supplied without wrench.

YG ER COLLET CHUCK

BT

ER COLLET CHUCK



JIS B6339/MAS 403-BT ER Collets, Nuts, Wrenches, Stop Screws Refer to page D128-D137

JIS B6339-BT **ATB** **6.3G** **15,000 RPM** **AD/B**

■ **STUB** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BH232B	40	BT40 AD/B - ER 20 - 2.20	.039 - .511	1.339	2.200	1.220	2.315	UN9/16-16 1/2L	ER20
BH233B		BT40 AD/B - ER 25 - 2.50	.039 - .629	1.654	2.500	1.339	2.335	UN11/16-16 1/2L	ER25
BH234B		BT40 AD/B - ER 32 - 2.40	.078 - .787	1.969	2.400	1.575	3.161	UN7/8-16 1/2L	ER32

■ **STANDARD** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BH030B	40	BT40 AD/B - ER 11 - 3.00	.019 - .275	.748	3.000	.654	1.453	UN5/16-18 1/2L	ER11
BH031B		BT40 AD/B - ER 16 - 3.00	.019 - .393	1.102	3.000	1.008	1.886	UN7/16-18 1/2L	ER16
BH032B		BT40 AD/B - ER 20 - 4.00	.039 - .511	1.339	4.000	1.220	2.315	UN9/16-16 1/2L	ER20
BH133B		BT40 AD/B - ER 25 - 4.00	.039 - .629	1.654	4.000	1.339	2.335	UN11/16-16 1/2L	ER25
BH134B		BT40 AD/B - ER 32 - 4.00	.078 - .787	1.969	4.000	1.575	3.555	UN7/8-16 1/2L	ER32
BH136B		BT40 AD/B - ER 40 - 4.00	.118 - 1.024	2.480	4.000	2.283	3.437	UN1 1/8-16 1/2L	ER40

■ **EXTENDED** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BH331B	40	BT40 AD/B - ER 16 - 6.00	.019 - .393	1.102	6.000	1.008	1.886	UN7/16-18 1/2L	ER16
BH332B		BT40 AD/B - ER 20 - 6.00	.039 - .511	1.339	6.000	1.220	2.315	UN9/16-16 1/2L	ER20
BH333B		BT40 AD/B - ER 25 - 6.00	.039 - .629	1.654	6.000	1.339	2.335	UN11/16-16 1/2L	ER25
BH334B		BT40 AD/B - ER 32 - 6.00	.078 - .787	1.969	6.000	1.575	3.555	UN7/8-16 1/2L	ER32

■ **EXTRA EXTENDED** Unit : inch

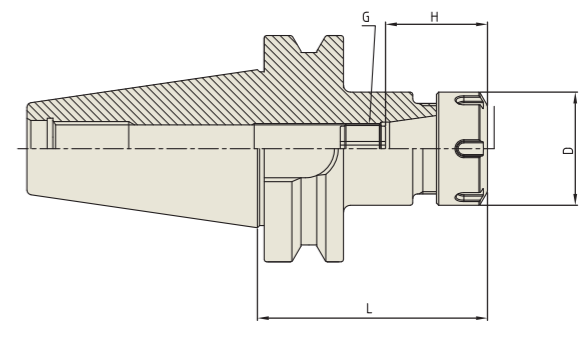
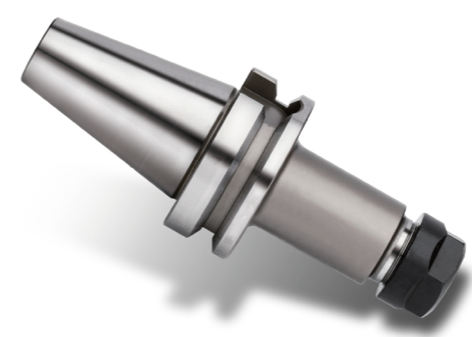
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BH434B	40	BT40 AD/B - ER 16 - 8.00	.019 - .393	1.102	8.000	1.008	1.886	UN7/16-18 1/2L	ER16
BH432B		BT40 AD/B - ER 20 - 8.00	.039 - .511	1.339	8.000	1.220	2.315	UN9/16-16 1/2L	ER20
BH435B		BT40 AD/B - ER 25 - 8.00	.039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

* High balanced ER Collet Chucks are on page D124.
* Supplied without wrench.

YG ER COLLET CHUCK

BT

ER COLLET CHUCK



JIS B6339/MAS 403-BT ER Collets, Nuts, Wrenches, Stop Screws Refer to page D128-D137

JIS B6339-BT **ATB** **6.3G** **15,000 RPM** **AD**

■ **STANDARD** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BI031	50	BT50 - ER 16 - 4.88	.019 - .393	1.102	4.880	1.008	1.886	UN7/16-18 1/2L	ER16
BI032		BT50 - ER 20 - 2.63	.039 - .511	1.339	2.630	1.220	3.102	UN9/16-16 1/2L	ER20
BI033		BT50 - ER 25 - 2.63	.039 - .629	1.654	2.630	1.339	2.335	UN11/16-16 1/2L	ER25
BI034		BT50 - ER 32 - 4.00	.078 - .787	1.969	4.000	1.575	3.555	UN7/8-16 1/2L	ER32

■ **EXTENDED** Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BI331	50	BT50 - ER16 - 6.00	.019 - .393	1.102	6.000	1.008	1.886	UN7/16-18 1/2L	ER16
BI332		BT50 - ER 20 - 6.00	.039 - .511	1.339	6.000	1.220	3.102	UN9/16-16 1/2L	ER20
BI333		BT50 - ER 25 - 6.00	.039 - .629	1.654	6.000	1.339	2.335	UN11/16-16 1/2L	ER25
BI334		BT50 - ER 32 - 6.00	.078 - .787	1.969	6.000	1.575	3.555	UN7/8-16 1/2L	ER32

■ **EXTRA EXTENDED** Unit : inch

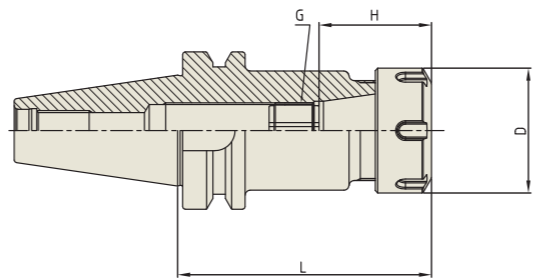
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BI335	50	BT50 - ER 16 - 8.00	.019 - .393	1.102	8.000	1.008	1.886	UN7/16-18 1/2L	ER16
BI336		BT50 - ER 20 - 8.00	.039 - .511	1.339	8.000	1.220	3.102	UN9/16-16 1/2L	ER20
BI337		BT50 - ER 25 - 8.00	.039 - .629	1.654	8.000	1.339	2.335	UN11/16-16 1/2L	ER25
BI338		BT50 - ER 32 - 8.00	.078 - .787	1.969	8.000	1.575	3.555	UN7/8-16 1/2L	ER32

* High balanced ER Collet Chucks are on page D124.
* Supplied without wrench.

ER COLLET CHUCK

BT

HIGH BALANCED ER COLLET CHUCK



JIS B6339/MAS 403-BT



ER Collets, Nuts, Wrenches, Stop Screws Refer to page D128-D137



STUB

Unit : inch

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

STANDARD

Unit : inch

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

EXTENDED & EXTRA EXTENDED

Unit : inch

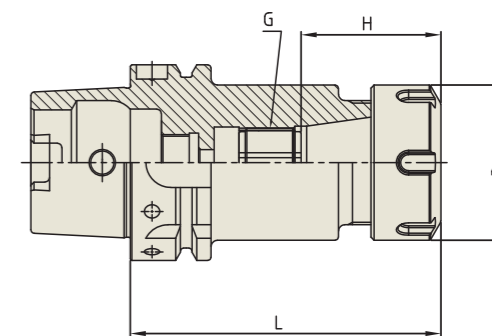
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BH331B25	40	BT40 - ER 16 - 4.88	.019 - .393	1.102	4.880	1.008	1.886	UN7/16-18 1/2L	ER16
BH434B25		BT40 AD/B - ER 16 - 8.00	.019 - .393	1.102	8.000	1.008	1.886	UN7/16-18 1/2L	ER16
BH332B25		BT40 - ER 20 - 6.00	.039 - .511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

* Supplied without wrench.

ER COLLET CHUCK

HSK

DUAL CONTACT ER COLLET CHUCK



DIN 69893/
ISO 12164-1-HSK FORM A



ER Collets, Nuts, Wrenches, Stop Screws Refer to page D128-D137



Unit : inch

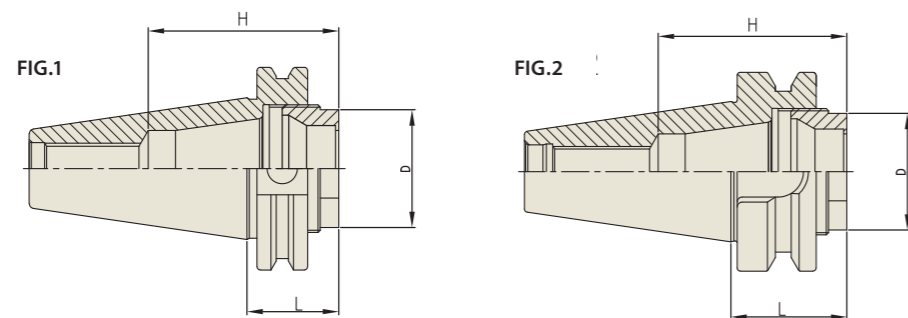
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H		G	COLLET SERIES
						Min.	Max.		
BQ010	63A	HSK63A - ER 16 - 3.94	.019-.393	1.102	3.940	1.008	1.886	UN7/16-18 1/2L	ER16
BQ023		HSK63A - ER 16 - 6.00	.019-.393	1.102	6.000	1.008	1.886	UN7/16-18 1/2L	ER16
BQ012		HSK63A - ER 20 - 3.94	.039-.511	1.339	3.940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

* Supplied without wrench.

ER COLLET CHUCK

CAT/BT

ER COLLET CHUCK (SHORT)



ER Collets, Nuts, Wrenches, Stop Screws
Refer to page D128-D137

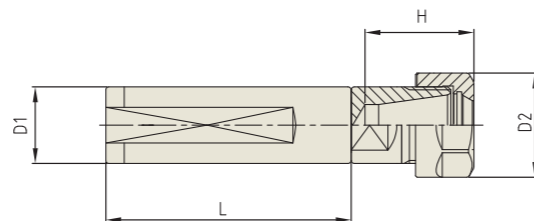
ASME B5.50-2009-CAT

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H	COLLET SERIES	FIG.
BK020SHT	40	CAT40 - ER 32 - SHORT	.078-.787	1.455	1.134	2.350	ER32(For Hex. Nut)	1
BK020SHT	50	CAT50 - ER 32 - SHORT	.078-.787	1.455	1.134	2.350	ER32(For Hex. Nut)	1

JIS B6339/MAS 403-BT

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	H	COLLET SERIES	FIG.
BH020SHT	40	BT40 - ER 32 - SHORT	.078-.787	1.455	1.446	2.350	ER32(For Hex. Nut)	2

TENSION ER COLLET CHUCK (For TAPPING)



ER Collets, Nuts, Wrenches, Stop Screws
Refer to page D128-D137

STRAIGHT-K

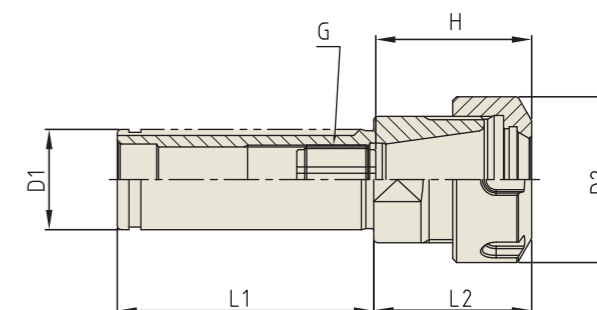
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D1	D2	L	H	COLLET SERIES
BS110	1	K1 - ERT 16 - 2.76	.019-.393	1.00	1.102	2.756	1.248	ER16
BS111		K1 - ERT 20 - 3.15	.039-.511	1.00	1.339	3.150	1.398	ER20
BS112	1 1/4	K1 1/4 - ERT 16 - 2.76	.019-.393	1.25	1.102	2.756	1.248	ER16
BS113		K1 1/4 - ERT 20 - 3.15	.039-.511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

* Supplied without wrench.

ER COLLET CHUCK

NC

NC ER COLLET CHUCK (For CNC LATHE)



ER Collets, Nuts, Wrenches, Stop Screws
Refer to page D128-D137

NC

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D1	D2	L1	L2	H		G	COLLET SERIES
								Min.	Max.		
BN110	1	NC1 - ER 11	.019-.275	1.00	.748	2.559	1.260	.654	1.350	UN5/16-18 1/2L	ER11
BN111		NC1 - ER 16	.019-.393	1.00	1.102	2.559	1.417	1.008	1.886	UN7/16-18 1/2L	ER16
BN112		NC1 - ER 20	.039-.511	1.00	1.339	2.559	1.575	1.220	2.315	UN9/16-16 1/2L	ER20
BN113	1 1/4	NC1 - ER 25	.039-.629	1.00	1.654	2.559	1.575	1.339	2.315	UN11/16-16 1/2L	ER25
BN114		NC1 1/4 - ER 20	.039-.511	1.25	1.339	2.756	1.161	1.220	2.315	UN9/16-16 1/2L	ER20
BN115		NC1 1/4 - ER 25	.039-.629	1.25	1.654	2.756	1.575	1.339	2.335	UN11/16-16 1/2L	ER25
BN116		NC1 1/4 - ER 32	.078-.787	1.25	1.969	2.756	1.772	1.575	2.453	UN7/8-16 1/2L	ER32
BN117		NC1 1/4 - ER 40	.118-1.180	1.25	2.48	2.756	3.150	2.441	3.555	UN1 1/8-16 1/2L	ER42
BN118	1 1/2	NC1 1/2 - ER 25	.039-.629	1.50	1.654	2.953	1.575	1.339	2.335	UN11/16-16 1/2L	ER25
BN119		NC1 1/2 - ER 32	.078-.787	1.50	1.969	2.953	1.772	1.575	2.335	UN7/8-16 1/2L	ER32
BN120		NC1 1/2 - ER 40	.118-1.180	1.50	2.480	2.953	3.150	2.559	3.427	UN1 1/8-16 1/2L	ER42

* Supplied without wrench.

Y/G ER COLLET CHUCK

ER

ER COLLET



Unit : inch

ER 11		ER 16		ER 20		ER 25		ER 32		ER 40	
EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE
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
Ø1/16 to 1/4		Ø1/16 to 13/32		Ø1/16 to 1/2		Ø1/16 to 5/8		Ø3/32 to 3/4		Ø1/8 to 1	
7pcs		12pcs		15pcs		19pcs		22pcs		29pcs	

Y/G ER COLLET CHUCK

ER

ER COLLET



Unit : mm

ER 8		ER 11		ER 16		ER 20	
EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE
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
Ø1.0 - 5.0mm		Ø1.0 - 7.0mm		Ø1.0 - 10.0mm		Ø2.0 - 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

YG ER COLLET CHUCK

ER

ER COLLET



Unit : mm

ER 25		ER 32		ER 40		ER 50	
EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE	EDP No.	CLAMPING RANGE
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
Ø2.0 - 16.0mm		Ø3.0 - 20.0mm		Ø4.0 - 26.0mm		Ø12.0 - 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

YG ER COLLET CHUCK

ER

SEALED ER COLLET



Unit : inch

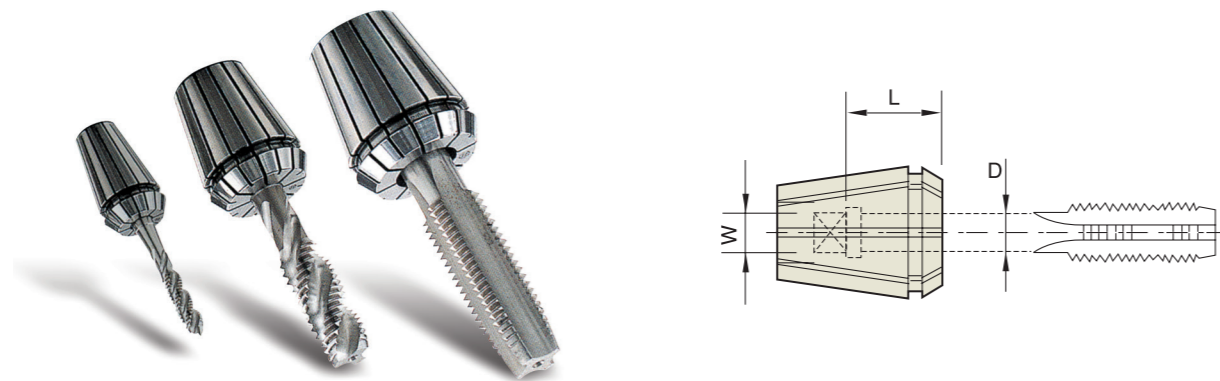
ER 11S		ER 16S		ER 20S		ER 25S		ER 32S		ER 40S	
EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY	EDP No.	CLAMPING CAPACITY
110108S	1/8	160108S	1/8	200108S	1/8	250108S	1/8	320108S	1/8	400108S	1/8
110532S	5/32	160532S	5/32	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
Ø1/8 to 1/4		Ø1/8 to 13/32		Ø1/8 to 1/2		Ø1/8 to 5/8		Ø1/8 to 3/4		Ø1/8 to 1	
5pcs		10pcs		13pcs		17pcs		21pcs		29pcs	

* Metric sealed ER collets are available on request.

Y/G ER COLLET CHUCK

RD

TAP ER COLLET



Below standard Tap ER Collet conforms to ANSI (For STANDARD TAPS)

Unit : inch

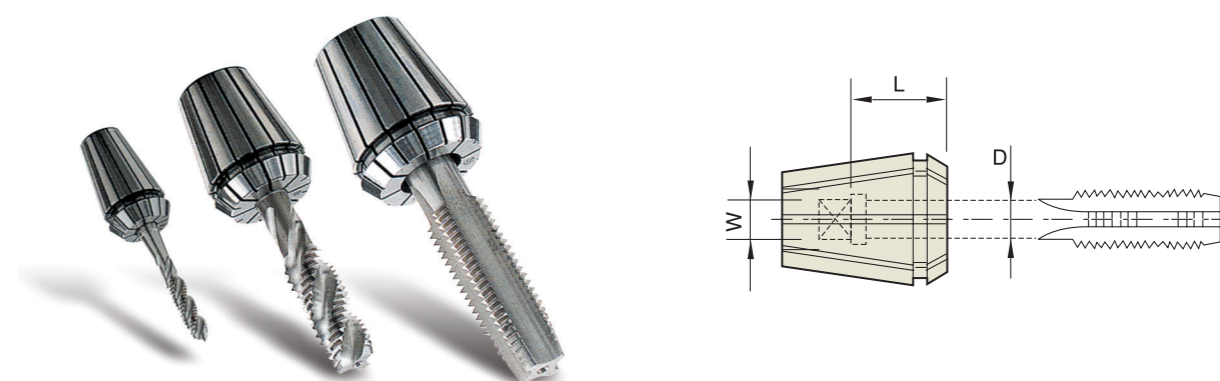
RD 11TC						RD 16TC						RD 20TC					
EDP No.	TAP		D(Ø)	W(□)	L	EDP No.	TAP		D(Ø)	W(□)	L	EDP No.	TAP		D(Ø)	W(□)	L
	Inch	Metric					Inch	Metric					Inch	Metric			
11TC1411	#6	M3	.141	.110	.472	16TC1411	#6	M3	.141	.110	.709	20TC1411	#6	M3	.141	.110	.709
11TC1613	#8	M4	.168	.131	.472	16TC1613	#8	M4	.168	.131	.709	20TC1613	#8	M4	.168	.131	.709
11TC1915	#10	M4.5+M5	.194	.152	.472	16TC1915	#10	M4.5+M5	.194	.152	.709	20TC1915	#10	M4.5+M5	.194	.152	.709
11TC2216	#12	-	.220	.165	.551	16TC2216	#12	-	.220	.165	.709	20TC2216	#12	-	.220	.165	.709
11TC2519	1/4	M6	.255	.191	.551	16TC2519	1/4	M6	.255	.191	.709	20TC2519	1/4	M6	.255	.191	.709
						16TC3123	5/16	M7+M8	.318	.238	.866	20TC3123	5/16	M7+M8	.318	.238	.866
						16TC3224	7/16	-	.323	.242	.866	20TC3828	3/8	M10	.381	.286	.866
												20TC3224	7/16	-	.323	.242	.866
												20TC3622	1/2	M12	.367	.275	.866

RD 25TC						RD 32TC						RD 40TC					
EDP No.	TAP		D(Ø)	W(□)	L	EDP No.	TAP		D(Ø)	W(□)	L	EDP No.	TAP		D(Ø)	W(□)	L
	Inch	Metric					Inch	Metric					Inch	Metric			
25TC1411	#6	M3	.141	.110	.709	32TC1411	#6	M3	.141	.110	.709	40TC1411	#6	M3	.141	.110	.709
25TC1613	#8	M4	.168	.131	.709	32TC1613	#8	M4	.168	.131	.709	40TC1613	#8	M4	.168	.131	.709
25TC1915	#10	M4.5+M5	.194	.152	.709	32TC1915	#10	M4.5+M5	.194	.152	.709	40TC1915	#10	M4.5+M5	.194	.152	.709
25TC2216	#12	-	.220	.165	.709	32TC2216	#12	-	.220	.165	.709	40TC2216	#12	-	.220	.165	.709
25TC2519	1/4	M6	.255	.191	.709	32TC2519	1/4	M6	.255	.191	.709	40TC2519	1/4	M6	.255	.191	.709
25TC3123	5/16	M7+M8	.318	.238	.866	32TC3123	5/16	M7+M8	.318	.238	.866	40TC3123	5/16	M7+M8	.318	.238	.866
25TC3828	3/8	M10	.381	.286	.866	32TC3828	3/8	M10	.381	.286	.866	40TC3828	3/8	M10	.381	.286	.866
25TC3224	7/16	-	.323	.242	.866	32TC3224	7/16	-	.323	.242	.866	40TC3224	7/16	-	.323	.242	.866
25TC3622	1/2	M12	.367	.275	.866	32TC3627	1/2	M12	.367	.275	.866	40TC3627	1/2	M12	.367	.275	.866
25TC4232	9/16	M14	.429	.322	.984	32TC4232	9/16	M14	.429	.322	.984	40TC4232	9/16	M14	.429	.322	.984
25TC4836	5/8	M16	.480	.360	.984	32TC4836	5/8	M16	.480	.360	.984	40TC4836	5/8	M16	.480	.360	.984
25TC5440	11/16	M18	.542	.406	.984	32TC5440	11/16	M18	.542	.406	.984	40TC5440	11/16	M18	.542	.406	.984
25TC5944	3/4	-	.590	.442	.984	32TC5944	3/4	-	.590	.442	.984	40TC5944	3/4	-	.590	.442	.984
						32TC6548	13/16	M20	.652	.489	.984	40TC6548	13/16	M20	.652	.489	.984
												40TC6952	7/8	M22	.697	.523	.984
												40TC7657	15/16	M24	.760	.570	.984
												40TC8060	1	M25	.800	.600	1.102

Y/G ER COLLET CHUCK

RD

TAP ER COLLET



Below standard Tap ER Collet conforms to ANSI (For PIPE TAPS)

Unit : inch

RD 16TCP					RD 20TCP					RD 25TCP				
EDP No.	TAP Inch	D(Ø)	W(□)	L	EDP No.	TAP Inch	D(Ø)	W(□)	L	EDP No.	TAP Inch	D(Ø)	W(□)	L
16TP3123	1/8(SS)	.312	.234	.709	20TP3123	1/8(SS)	.312	.234	.787	25TP3123	1/8(SS)	.312	.234	.787
16TP4332	1/8(LS)	.437	.328	.709	20TP4332	1/8(LS)	.437	.328	.787	25TP4332	1/8(LS)	.437	.328	.787
										25TP5642	1/4	.562	.420	.787

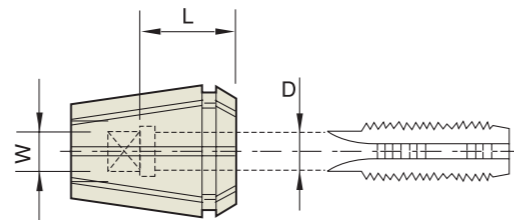
RD 32TCP					RD 40TCP				
EDP No.	TAP Inch	D(Ø)	W(□)	L	EDP No.	TAP Inch	D(Ø)	W(□)	L
32TP3123	1/8(SS)	.312	.234	.787	40TP3123	1/8(SS)	.312	.234	.787
32TP4332	1/8(LS)	.437	.328	.787	40TP4332	1/8(LS)	.437	.328	.787
32TP5642	1/4	.562	.420	.787	40TP5642	1/4	.562	.420	.787
					40TP7053	3/8	.700	.530	.866
					40TP6851	1/2	.687	.515	.866
					40TP9067	3/4	.906	.679	.945

* SS : Short Series / LS : Long Series

Y/G ER COLLET CHUCK

RDT

TAP ER COLLET



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

Unit : mm

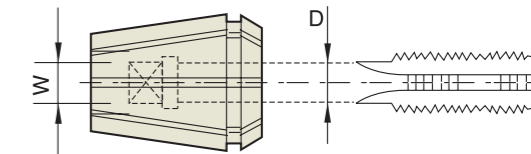
RDT 16					RDT 20					RDT 25				
EDP No.	TAP	D(Ø)	W(□)	L	EDP No.	TAP	D(Ø)	W(□)	L	EDP No.	TAP	D(Ø)	W(□)	L
16T30025	M2	3.0	2.5	15	20T40032	M3	4.0	3.2	15	25T40032	M3	4.0	3.2	15
16T40032	M3	4.0	3.2	15	20T50040	M4	5.0	4.0	15	25T50032	M4	5.0	4.0	15
16T50040	M4	5.0	4.0	15	20T55045	M5	5.5	4.5	15	25T55045	M5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

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

Y/G ER COLLET CHUCK

RD

TAP ER COLLET



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

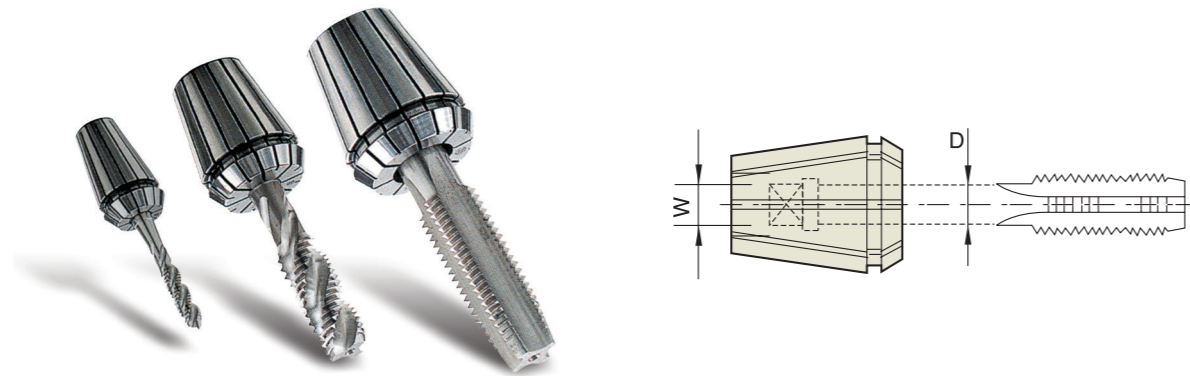
Unit : mm

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

YIG ER COLLET CHUCK

RD

TAP ER COLLET



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

Unit : mm

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

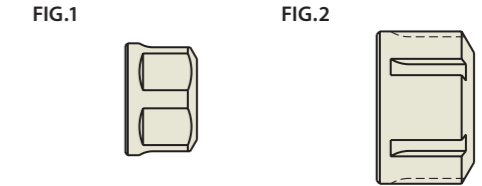
YIG ER COLLET CHUCK

PART

ER NUT

EDP No.	SERIES	TYPE
ZZ061	ER 11 - NUT	FIG.1
ZZ063	ER 16 - NUT	FIG.1
ZZ066	ER 20 - NUT	FIG.1

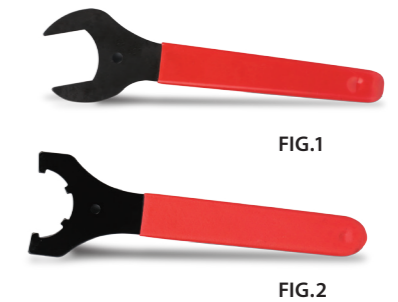
EDP No.	SERIES	TYPE
ZZ069	ER 25 - NUT	FIG.2
ZZ072	ER 32 - NUT	FIG.2
ZZ077	ER 40 - NUT	FIG.2



ER WRENCH

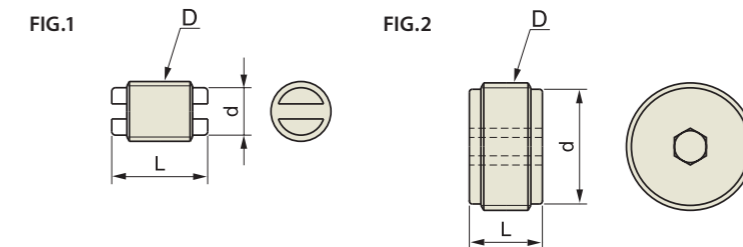
EDP No.	SERIES	TYPE
ZZ062	ER 11	FIG.1
ZZ064	ER 16	FIG.1
ZZ067	ER 20	FIG.1

EDP No.	SERIES	TYPE
ZZ070	ER 25	FIG.2
ZZ073	ER 32	FIG.2
ZZ076	ER 40	FIG.2



* Design and shape could be changed without prior notice.

ER STOP SCREW



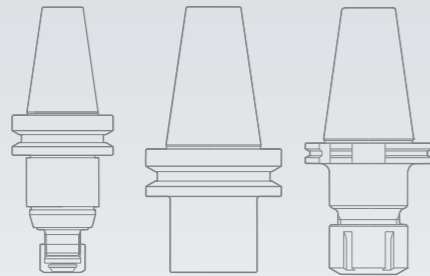
Unit : Inch

EDP No.	SERIES	L	d	D	TYPE
ZZ060	ER 11	.50	.25	UN 5/16 - 18	FIG.1

EDP No.	SERIES	L	d	D	TYPE
ZZ065	ER 16	.50	.35	UN 7/16 - 16	FIG.2
ZZ068	ER 20	.50	.48	UN 9/16 - 16	FIG.2
ZZ071	ER 25	.50	.60	UN 11/16 - 16	FIG.2
ZZ074	ER 32	.50	.79	UN 7/8 - 16	FIG.2



Global Cutting Tool Leader **YG-1**



ROTARY TOOLING

YG-1 ROTARY TOOLING

SK SLIM CHUCK

STANDARD, STRAIGHT

DUAL CONTACT SK SLIM CHUCK

CAT : ASME B5.50-2009

CCT : CAT DUAL CONTACT

CBT : BT DUAL CONTACT

HSK : DIN69893/ISO12164-1

STRAIGHT-K

ACCESSORY & PARTS

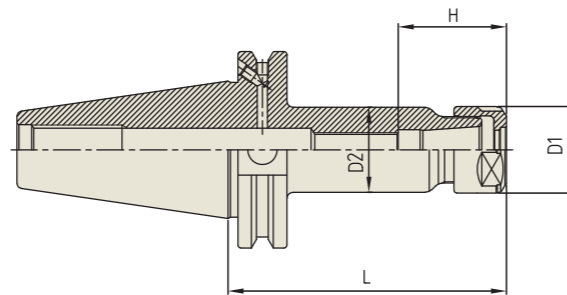
SK COLLET
NUT, WRENCH





CAT

SK SLIM CHUCK



ASME B5.50-2009- CAT

Collets, Nuts and Wrenches Refer to page D145-D148

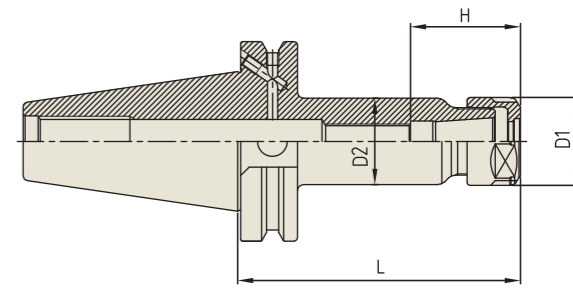
Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D1	D2	H		COLLET SERIES	
							Min.	Max.		
TK020	40	CAT40 AD/B - SKA 6 - 3.54	.036 - .236	3.540	.787	.768	.827	1.378	SKC6	
TK021		CAT40 AD/B - SKA 6 - 4.72	.036 - .236	4.720	.787	.768	.827	1.378	SKC6	
TK022		CAT40 AD/B - SKA 6 - 5.90	.036 - .236	5.900	.787	.768	.827	1.378	SKC6	
TK023		CAT40 AD/B - SKA 10 - 3.54	.068 - .394	3.540	1.102	1.083	1.181	1.969	SKC10	
TK024		CAT40 AD/B - SKA 10 - 4.72	.068 - .394	4.720	1.102	1.083	1.181	1.969	SKC10	
TK025		CAT40 AD/B - SKA 10 - 5.90	.068 - .394	5.900	1.102	1.083	1.181	1.969	SKC10	
TK026		CAT40 AD/B - SKA 13 - 3.54	.108 - .512	3.540	1.299	1.299	1.220	2.559	SKC13	
TK027		CAT40 AD/B - SKA 13 - 4.72	.108 - .512	4.720	1.299	1.299	1.220	2.559	SKC13	
TK028		CAT40 AD/B - SKA 13 - 5.90	.108 - .512	5.900	1.299	1.299	1.220	2.559	SKC13	
TK029		CAT40 AD/B - SKA 16 - 3.54	.108 - .630	3.540	1.575	1.575	1.772	2.756	SKC16	
TK030		CAT40 AD/B - SKA 16 - 4.72	.108 - .630	4.720	1.575	1.575	1.772	2.756	SKC16	
TK031		CAT40 AD/B - SKA 16 - 5.90	.108 - .630	5.900	1.575	1.575	1.772	2.756	SKC16	
TK032		CAT40 AD/B - SKA 20 - 3.54	.138 - .787	3.540	1.909	1.909	1.850	3.150	SKC20	
TK033		CAT40 AD/B - SKA 20 - 4.72	.138 - .787	4.720	1.909	1.909	1.850	3.150	SKC20	
TK034		CAT40 AD/B - SKA 20 - 5.90	.138 - .787	5.900	1.909	1.909	1.850	3.150	SKC20	
TK035		CAT40 AD/B - SKA 25 - 3.54	.630 - 1.000	3.540	2.165	2.165	2.165	3.346	SKC25	
TK036		CAT40 AD/B - SKA 25 - 4.72	.630 - 1.000	4.720	2.165	2.165	2.165	3.346	SKC25	
TK037		CAT40 AD/B - SKA 25 - 5.90	.630 - 1.000	5.900	2.165	2.165	2.165	3.346	SKC25	
TL020		50	CAT50 AD/B - SKA 6 - 4.13	.036 - .236	4.130	.787	.768	.827	1.378	SKC6
TL021			CAT50 AD/B - SKA 6 - 5.31	.036 - .236	5.310	.787	.768	.827	1.378	SKC6
TL022			CAT50 AD/B - SKA 6 - 6.50	.036 - .236	6.500	.787	.768	.827	1.378	SKC6
TL023			CAT50 AD/B - SKA 6 - 7.68	.036 - .236	7.680	.787	.768	.827	1.378	SKC6
TL024			CAT50 AD/B - SKA 10 - 4.13	.068 - .394	4.130	1.102	1.083	1.181	1.969	SKC10
TL025			CAT50 AD/B - SKA 10 - 5.31	.068 - .394	5.310	1.102	1.083	1.181	1.969	SKC10
TL026			CAT50 AD/B - SKA 10 - 6.50	.068 - .394	6.500	1.102	1.083	1.181	1.969	SKC10
TL027			CAT50 AD/B - SKA 10 - 7.68	.068 - .394	7.680	1.102	1.083	1.181	1.969	SKC10
TL028			CAT50 AD/B - SKA 13 - 4.13	.108 - .512	4.130	1.299	1.299	1.220	2.559	SKC13
TL029			CAT50 AD/B - SKA 13 - 5.31	.108 - .512	5.310	1.299	1.299	1.220	2.559	SKC13
TL030			CAT50 AD/B - SKA 13 - 6.50	.108 - .512	6.500	1.299	1.299	1.220	2.559	SKC13
TL031			CAT50 AD/B - SKA 13 - 7.68	.108 - .512	7.680	1.299	1.299	1.220	2.559	SKC13
TL032			CAT50 AD/B - SKA 16 - 4.13	.108 - .630	4.130	1.575	1.575	1.772	2.362	SKC16
TL033			CAT50 AD/B - SKA 16 - 5.31	.108 - .630	5.310	1.575	1.575	1.772	2.756	SKC16
TL034			CAT50 AD/B - SKA 16 - 6.50	.108 - .630	6.500	1.575	1.575	1.772	2.756	SKC16
TL035			CAT50 AD/B - SKA 16 - 7.68	.108 - .630	7.680	1.575	1.575	1.772	2.756	SKC16
TL036			CAT50 AD/B - SKA 20 - 4.13	.138 - .787	4.130	1.909	1.909	1.850	3.150	SKC20
TL037			CAT50 AD/B - SKA 20 - 5.31	.138 - .787	5.310	1.909	1.909	1.850	3.150	SKC20
TL038			CAT50 AD/B - SKA 20 - 6.50	.138 - .787	6.500	1.909	1.909	1.850	3.150	SKC20
TL039	CAT50 AD/B - SKA 20 - 7.68		.138 - .787	7.680	1.909	1.909	1.850	3.150	SKC20	
TL040	CAT50 AD/B - SKA 25 - 4.13		.630 - 1.000	4.130	2.165	2.165	2.165	3.346	SKC25	
TL041	CAT50 AD/B - SKA 25 - 5.31		.630 - 1.000	5.310	2.165	2.165	2.165	3.346	SKC25	
TL042	CAT50 AD/B - SKA 25 - 6.50		.630 - 1.000	6.500	2.165	2.165	2.165	3.346	SKC25	
TL043	CAT50 AD/B - SKA 25 - 7.68		.630 - 1.000	7.680	2.165	2.165	2.165	3.346	SKC25	



CCT

DUAL CONTACT SK SLIM CHUCK



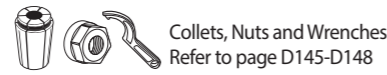
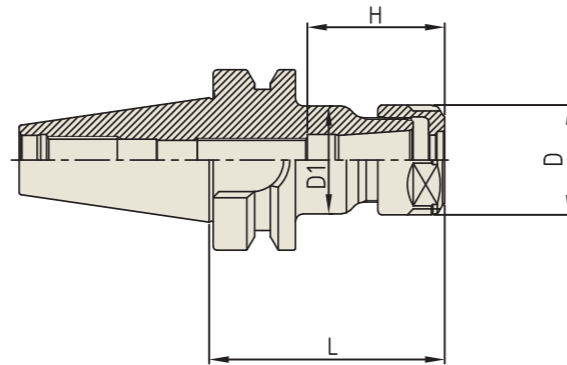
CCT (CAT DUAL CONTACT)

Collets, Nuts and Wrenches Refer to page D145-D148

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D1	D2	H		COLLET SERIES	
							Min.	Max.		
TB020	40	CCT40 AD/B - SKA 6 - 3.54	.036 - .236	3.540	.787	.768	.827	1.378	SKC6	
TB021		CCT40 AD/B - SKA 6 - 4.72	.036 - .236	4.720	.787	.768	.827	1.378	SKC6	
TB022		CCT40 AD/B - SKA 6 - 5.90	.036 - .236	5.900	.787	.768	.827	1.378	SKC6	
TB023		CCT40 AD/B - SKA 10 - 3.54	.068 - .394	3.540	1.102	1.083	1.181	1.969	SKC10	
TB024		CCT40 AD/B - SKA 10 - 4.72	.068 - .394	4.720	1.102	1.083	1.181	1.969	SKC10	
TB025		CCT40 AD/B - SKA 10 - 5.90	.068 - .394	5.900	1.102	1.083	1.181	1.969	SKC10	
TB026		CCT40 AD/B - SKA 13 - 3.54	.108 - .512	3.540	1.299	1.299	1.220	2.559	SKC13	
TB027		CCT40 AD/B - SKA 13 - 4.72	.108 - .512	4.720	1.299	1.299	1.220	2.559	SKC13	
TB028		CCT40 AD/B - SKA 13 - 5.90	.108 - .512	5.900	1.299	1.299	1.220	2.559	SKC13	
TB029		CCT40 AD/B - SKA 16 - 3.54	.108 - .630	3.540	1.575	1.575	1.772	2.756	SKC16	
TB030		CCT40 AD/B - SKA 16 - 4.72	.108 - .630	4.720	1.575	1.575	1.772	2.756	SKC16	
TB031		CCT40 AD/B - SKA 16 - 5.90	.108 - .630	5.900	1.575	1.575	1.772	2.756	SKC16	
TB032		CCT40 AD/B - SKA 20 - 3.54	.138 - .787	3.540	1.909	1.909	1.850	3.150	SKC20	
TB033		CCT40 AD/B - SKA 20 - 4.72	.138 - .787	4.720	1.909	1.909	1.850	3.150	SKC20	
TB034		CCT40 AD/B - SKA 20 - 5.90	.138 - .787	5.900	1.909	1.909	1.850	3.150	SKC20	
TB035		CCT40 AD/B - SKA 25 - 3.54	.630 - 1.000	3.540	2.165	2.165	2.165	3.346	SKC25	
TB036		CCT40 AD/B - SKA 25 - 4.72	.630 - 1.000	4.720	2.165	2.165	2.165	3.346	SKC25	
TB037		CCT40 AD/B - SKA 25 - 5.90	.630 - 1.000	5.900	2.165	2.165	2.165	3.346	SKC25	
TC020		50	CCT50 AD/B - SKA 6 - 4.13	.036 - .236	4.130	.787	.768	.827	1.378	SKC6
TC021			CCT50 AD/B - SKA 6 - 5.31	.036 - .236	5.310	.787	.768	.827	1.378	SKC6
TC022			CCT50 AD/B - SKA 6 - 6.50	.036 - .236	6.500	.787	.768	.827	1.378	SKC6
TC023			CCT50 AD/B - SKA 6 - 7.68	.036 - .236	7.680	.787	.768	.827	1.378	SKC6
TC024			CCT50 AD/B - SKA 10 - 4.13	.068 - .394	4.130	1.102	1.083	1.181	1.969	SKC10
TC025			CCT50 AD/B - SKA 10 - 5.31	.068 - .394	5.310	1.102	1.083	1.181	1.969	SKC10
TC026			CCT50 AD/B - SKA 10 - 6.50	.068 - .394	6.500	1.102	1.083	1.181	1.969	SKC10
TC027			CCT50 AD/B - SKA 10 - 7.68	.068 - .394	7.680	1.102	1.083	1.181	1.969	SKC10
TC028			CCT50 AD/B - SKA 13 - 4.13	.108 - .512	4.130	1.299	1.299	1.220	2.559	SKC13
TC029			CCT50 AD/B - SKA 13 - 5.31	.108 - .512	5.310	1.299	1.299	1.220	2.559	SKC13
TC030			CCT50 AD/B - SKA 13 - 6.50	.108 - .512	6.500	1.299	1.299	1.220	2.559	SKC13
TC031			CCT50 AD/B - SKA 13 - 7.68	.108 - .512	7.680	1.299	1.299	1.220	2.559	SKC13
TC032			CCT50 AD/B - SKA 16 - 4.13	.108 - .630	4.130	1.575	1.575	1.772	2.362	SKC16
TC033			CCT50 AD/B - SKA 16 - 5.31	.108 - .630	5.310	1.575	1.575	1.772	2.756	SKC16
TC034			CCT50 AD/B - SKA 16 - 6.50	.108 - .630	6.500	1.575	1.575	1.772	2.756	SKC16
TC035			CCT50 AD/B - SKA 16 - 7.68	.108 - .630	7.680	1.575	1.575	1.772	2.756	SKC16
TC036			CCT50 AD/B - SKA 20 - 4.13	.138 - .787	4.130	1.909	1.909	1.850	3.150	SKC20
TC037			CCT50 AD/B - SKA 20 - 5.31	.138 - .787	5.310	1.909	1.909	1.850	3.150	SKC20
TC038			CCT50 AD/B - SKA 20 - 6.50	.138 - .787	6.500	1.909	1.909	1.850	3.150	SKC20
TC039	CCT50 AD/B - SKA 20 - 7.68		.138 - .787	7.680	1.909	1.909	1.850	3.150	SKC20	
TC040	CCT50 AD/B - SKA 25 - 4.13		.630 - 1.000	4.130	2.165	2.165	2.165	3.346	SKC25	
TC041	CCT50 AD/B - SKA 25 - 5.31		.630 - 1.000	5.310	2.165	2.165	2.165	3.346	SKC25	
TC042	CCT50 AD/B - SKA 25 - 6.50		.630 - 1.000	6.500	2.165	2.165	2.165	3.346	SKC25	
TC043	CCT50 AD/B - SKA 25 - 7.68		.630 - 1.000	7.680	2.165	2.165	2.165	3.346	SKC25	

DUAL CONTACT SK SLIM CHUCK

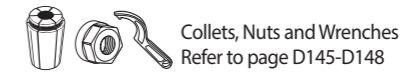
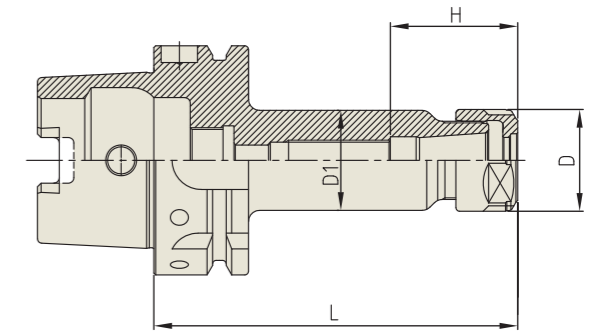


CBT (BT DUAL CONTACT)

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	D1	H		COLLET SERIES
							Min.	Max.	
TD100	30	CBT30 - SKA 6 - 60	0.9 - 6.0	60	20.0	19.5	21	35	SKC6
TD102		CBT30 - SKA 6 - 90	0.9 - 6.0	90	20.0	19.5	21	35	SKC6
TD104		CBT30 - SKA 10 - 60	1.75 - 10.0	60	28.0	27.5	30	50	SKC10
TD106		CBT30 - SKA 10 - 90	1.75 - 10.0	90	28.0	27.5	30	50	SKC10
TD108		CBT30 - SKA 13 - 60	2.75 - 13.0	60	33.0	33.0	31	65	SKC13
TD110		CBT30 - SKA 13 - 90	2.75 - 13.0	90	33.0	33.0	31	65	SKC13
TD112		CBT30 - SKA 16 - 60	2.75 - 16.0	60	40.0	40.0	45	60	SKC16
TD114		CBT30 - SKA 16 - 90	2.75 - 16.0	90	40.0	40.0	45	60	SKC16
TD116		CBT30 - SKA 20 - 60	4.0 - 20.0	60	48.5	48.5	65	75	SKC20
TD118		CBT30 - SKA 20 - 90	4.0 - 20.0	90	48.5	48.5	65	75	SKC20
TD120		CBT30 - SKA 25 - 90	16.0 - 25.4	90	55.0	55.0	55	75	SKC25
TE100		40	CBT40 - SKA 6 - 90	0.9 - 6.0	90	20.0	19.5	21	35
TE102	CBT40 - SKA 6 - 120		0.9 - 6.0	120	20.0	19.5	21	35	SKC6
TE104	CBT40 - SKA 6 - 150		0.9 - 6.0	150	20.0	19.5	21	35	SKC6
TE106	CBT40 - SKA 10 - 90		1.75 - 10.0	90	28.0	27.5	30	50	SKC10
TE108	CBT40 - SKA 10 - 120		1.75 - 10.0	120	28.0	27.5	30	50	SKC10
TE110	CBT40 - SKA 10 - 150		1.75 - 10.0	150	28.0	27.5	30	50	SKC10
TE112	CBT40 - SKA 13 - 90		2.75 - 13.0	90	33.0	33.0	31	65	SKC13
TE114	CBT40 - SKA 13 - 120		2.75 - 13.0	120	33.0	33.0	31	65	SKC13
TE116	CBT40 - SKA 13 - 150		2.75 - 13.0	150	33.0	40.0	31	65	SKC13
TE118	CBT40 - SKA 16 - 90		2.75 - 16.0	90	40.0	40.0	45	70	SKC16
TE121	CBT40 - SKA 16 - 120		2.75 - 16.0	120	40.0	40.0	45	70	SKC16
TE122	CBT40 - SKA 16 - 150		2.75 - 16.0	150	40.0	40.0	45	70	SKC16
TE124	CBT40 - SKA 20 - 90		4.0 - 20.0	90	48.5	48.5	47	80	SKC20
TE126	CBT40 - SKA 20 - 120		4.0 - 20.0	120	48.5	48.5	47	80	SKC20
TE128	CBT40 - SKA 20 - 150	4.0 - 20.0	150	48.5	48.5	47	80	SKC20	
TE130	CBT40 - SKA 25 - 90	16.0 - 25.4	90	55.0	55.0	55	85	SKC25	
TE132	CBT40 - SKA 25 - 120	16.0 - 25.4	120	55.0	55.0	55	85	SKC25	
TE134	CBT40 - SKA 25 - 150	16.0 - 25.4	150	55.0	55.0	55	85	SKC25	

DUAL CONTACT SK SLIM CHUCK

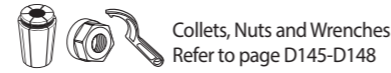
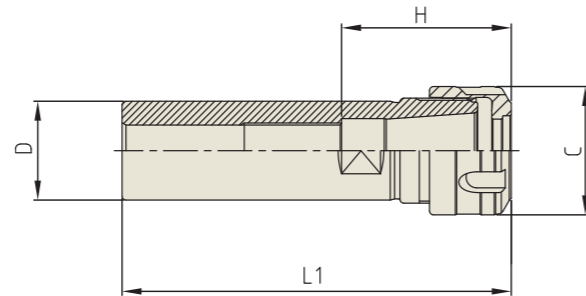


DIN 69893/ISO 12164-1-HSK FORM A

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	D1	H		COLLET SERIES
							Min.	Max.	
TQ100	63A	HSK63A - SKA 6 - 100	0.9 - 6.0	100	20.0	19.5	21	35	SKC6
TQ102		HSK63A - SKA 10 - 100	1.75 - 10.0	100	28.0	27.5	30	50	SKC10
TQ104		HSK63A - SKA 13 - 100	2.75 - 13.0	100	33.0	33.0	31	65	SKC13
TQ106		HSK63A - SKA 16 - 120	2.75 - 16.0	120	40.0	40.0	45	70	SKC16
TQ108		HSK63A - SKA 20 - 120	4.0 - 20.0	120	48.5	48.5	65	75	SKC20
TQ110		HSK63A - SKA 25 - 150	16.0 - 25.4	150	55.0	55.0	55	85	SKC25
TR100	100A	HSK100A - SKA 6 - 120	0.9 - 6.0	120	20.0	19.5	21	35	SKC6
TR102		HSK100A - SKA 10 - 150	1.75 - 10.0	150	28.0	27.5	30	50	SKC10
TR104		HSK100A - SKA 13 - 150	2.75 - 13.0	150	33.0	40.0	31	65	SKC13
TR106		HSK100A - SKA 16 - 150	2.75 - 16.0	150	40.0	40.0	45	70	SKC16
TR108		HSK100A - SKA 20 - 150	4.0 - 20.0	150	48.5	48.5	65	75	SKC20
TR110		HSK100A - SKA 25 - 160	16.0 - 25.4	160	55.0	55.0	55	85	SKC25

STRAIGHT SK SLIM CHUCK



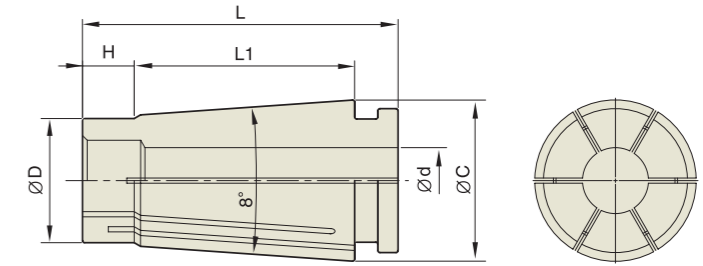
Collets, Nuts and Wrenches
Refer to page D145-D148

STRAIGHT-K

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	C	L1	H		COLLET SERIES
							Min.	Max.	
TS020	K3/4	K3/4 - SKA 6 - 100	.035 ~ .236	.750	.787	3.937	.827	1.378	SKC6
TS021		K3/4 - SKA 6 - 140	.035 ~ .236	.750	.787	5.512	.827	1.378	SKC6
TS022		K3/4 - SKA 10 - 100	.069 ~ .394	.750	1.102	3.937	1.181	1.969	SKC10
TS023		K3/4 - SKA 10 - 140	.069 ~ .394	.750	1.102	5.512	1.181	1.969	SKC10
TS030	K1	K1 - SKA 6 - 100	.035 ~ .236	1.000	.787	3.937	.827	1.378	SKC6
TS031		K1 - SKA 6 - 140	.035 ~ .236	1.000	.787	5.512	.827	1.378	SKC6
TS032		K1 - SKA 10 - 100	.069 ~ .394	1.000	1.102	3.937	1.181	1.969	SKC10
TS033		K1 - SKA 10 - 150	.069 ~ .394	1.000	1.102	5.906	1.181	1.969	SKC10
TS034		K1 - SKA 13 - 100	.108 ~ .512	1.000	1.299	3.937	1.220	2.559	SKC13
TS035		K1 - SKA 13 - 150	.108 ~ .512	1.000	1.299	5.906	1.220	2.559	SKC13
TS040	K1 1/4	K1 1/4 - SKA 10 - 100	.069 ~ .394	1.250	1.102	3.937	1.181	1.969	SKC10
TS041		K1 1/4 - SKA 10 - 150	.069 ~ .394	1.250	1.102	5.906	1.181	1.969	SKC10
TS042		K1 1/4 - SKA 13 - 100	.108 ~ .512	1.250	1.299	3.937	1.220	2.559	SKC13
TS043		K1 1/4 - SKA 13 - 150	.108 ~ .512	1.250	1.299	5.906	1.220	2.559	SKC13
TS044		K1 1/4 - SKA 16 - 100	.108 ~ .630	1.250	1.575	3.937	1.575	2.756	SKC16
TS045		K1 1/4 - SKA 16 - 150	.108 ~ .630	1.250	1.575	5.906	1.575	2.756	SKC16
TS046		K1 1/4 - SKA 20 - 100	.138 ~ .787	1.250	1.909	3.937	1.850	3.150	SKC20
TS047	K1 1/4 - SKA 20 - 150	.138 ~ .787	1.250	1.909	5.906	1.850	3.150	SKC20	

SK COLLET



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

Unit : mm

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

SKC COLLET Dimension

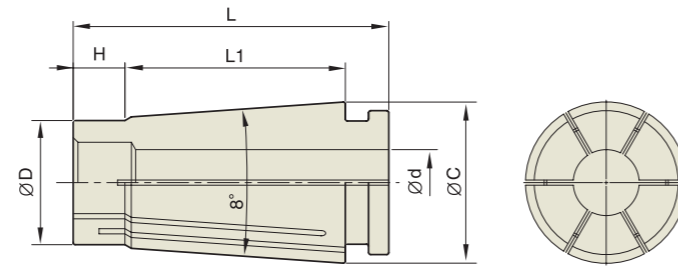
Unit : mm

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

YG SK SLIM CHUCK

SKC

SK COLLET

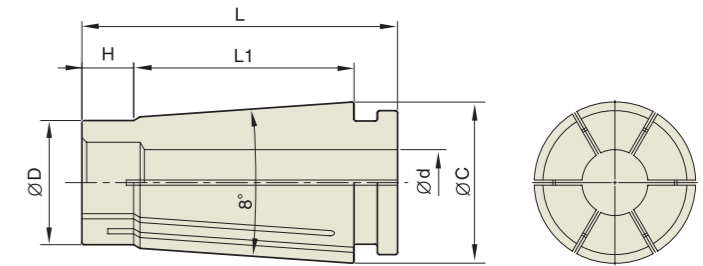


◇ T.I.R of standard collet is 5Um at 3D.

YG SK SLIM CHUCK

SKC

SK COLLET



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

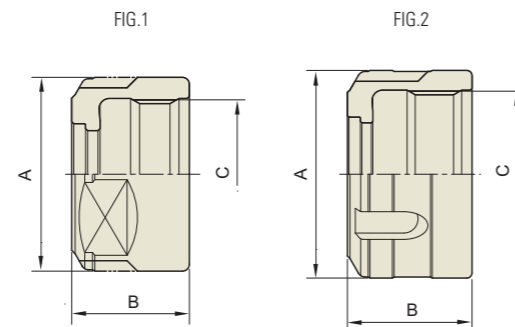
Unit : mm

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

Unit : inch

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

SK NUT



Unit : mm

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

SK WRENCH

EDP No.	TYPE	FIG.
ZS206	SK06	1
ZS210	SK10	1
ZS213	SK13	1
ZS216	SK16	2
ZS220	SK20	2
ZS225	SK25	2

FIG. 1



FIG. 2



YG-1 ROTARY TOOLING

**TG COLLET
CHUCK**

STANDARD, EXTENDED

TG COLLET CHUCK

CAT : ASME B5.50-2009

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

ACCESSORY & PARTS

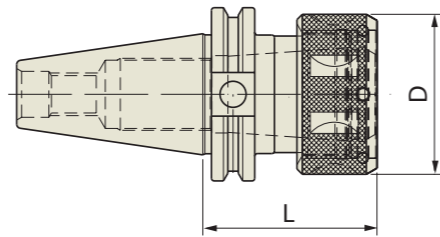
NUT, WRENCH, STOP SCREW



TG COLLET CHUCK

CAT

TG COLLET CHUCK



Wrenches Refer to page D152



ASME B5.50-2009-CAT

TG75

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
VK012	40	CAT40 - TG75 - 2.50	.047 - .750	2.50	1.81	75TG

■ EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
VK312	40	CAT40 - TG75 - 3.00	.047 - .750	3.00	1.81	75TG

TG100

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
OK014	40	CAT40 - TG100 - 3.25	.063 - 1.000	3.25	2.36	100TG
OL014	50	CAT50 - TG100 - 3.25	.063 - 1.000	3.25	2.36	100TG

■ EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
OK314	40	CAT40 - TG100 - 4.50	.063 - 1.000	4.50	2.36	100TG
OL314	50	CAT50 - TG100 - 5.50	.063 - 1.000	5.50	2.36	100TG

TG150

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
UL052	50	CAT50 - TG150 - 3.50	.500 - 1.500	3.50	3.43	150TG

■ EXTENDED

Unit : inch

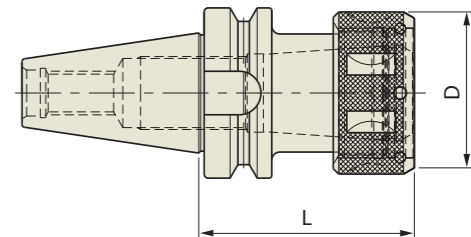
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
UL352	50	CAT50 - TG150 - 6.00	.500 - 1.500	6.00	3.43	150TG

* TG Nut : Swiss made precision TG Nut

TG COLLET CHUCK

BT

TG COLLET CHUCK



Wrenches Refer to page D152



JIS B6339/MAS 403-BT

TG75

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
VH012	40	BT40 - TG75 - 3.00	.047 - .750	3.00	1.81	75TG

TG100

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
OH014	40	BT40 - TG100 - 3.50	.063 - 1.000	3.50	2.36	100TG
OI014	50	BT50 - TG100 - 3.50	.063 - 1.000	3.50	2.36	100TG

■ EXTENDED

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
OH314	40	BT40 - TG100 - 5.50	.063 - 1.000	5.50	2.36	100TG
OI314	50	BT50 - TG100 - 6.00	.063 - 1.000	6.00	2.36	100TG

TG150

■ STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
UI052	50	BT50 - TG150 - 4.00	.500 - 1.500	4.00	3.43	150TG

■ EXTENDED

Unit : inch

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	L	D	COLLET SERIES
UI352	50	BT50 - TG150 - 6.00	.500 - 1.500	6.00	3.43	150TG

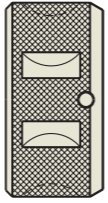
* TG Nut : Swiss made precision TG Nut

YG COLLET CHUCK

PART

TG NUT

EDP No.	NUT
ZZ084	TG75-NUT
ZZ081	TG100-NUT
ZZ087	TG150-NUT



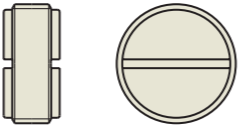
TG WRENCH

EDP No.	NUT
ZZ085	TG75
ZZ082	TG100
ZZ088	TG150



TG STOP SCREW

EDP No.	NUT
ZZ086	TG75
ZZ083	TG100
ZZ089	TG150



YG-1 ROTARY TOOLING

POWER MILLING CHUCK

POWER MILLING CHUCK
HIGH SPEED POWER MILLING CHUCK

POWER MILLING CHUCK

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

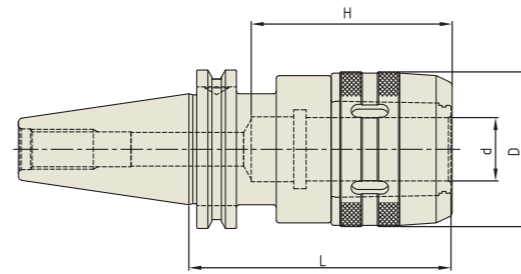
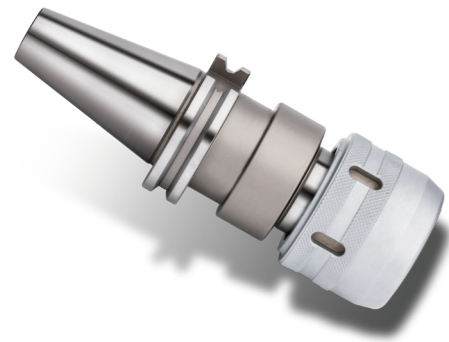
ACCESSORY

COLLET, WRENCH

YG POWER MILLING CHUCK

CAT

POWER MILLING CHUCK



Collets, Wrenches Refer to page D158



ASME B5.50-2009-CAT

STANDARD

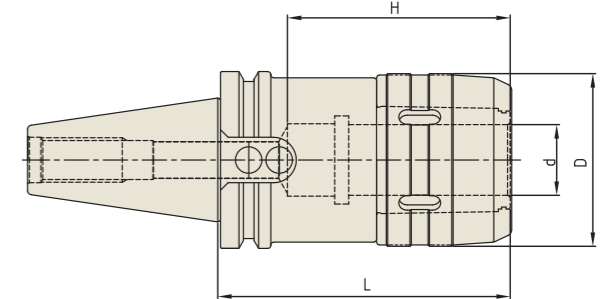
Unit : inch

EDP No.	TAPER No.	MODEL No.	d	D	L	H
LK010	40	CAT40 - C 3/4 - 4.13	.750	2.126	4.134	2.756
LK014		CAT40 - C 1 - 4.13	1.000	2.461	4.134	3.150
LK017		CAT40 - C 1 1/4 - 4.13	1.250	2.835	4.134	3.937
LL010	50	CAT50 - C 3/4 - 4.13	.750	2.126	4.134	2.756
LL014		CAT50 - C 1 - 4.13	1.000	2.461	4.134	3.150
LL017		CAT50 - C 1 1/4 - 4.13	1.250	2.835	4.134	3.937

YG POWER MILLING CHUCK

CCT

DUAL CONTACT HIGH SPEED POWER MILLING CHUCK



Collets, Wrenches Refer to page D158



CCT (CAT DUAL CONTACT)

Unit : inch

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

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Arbor

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

Stub Arbor

Slitting Saw Arbor

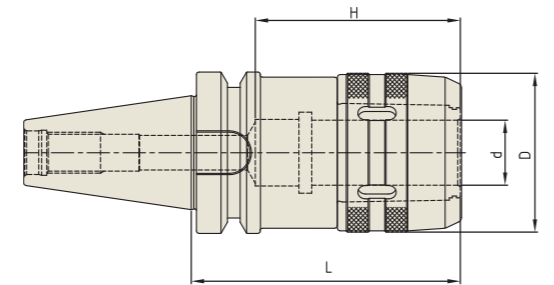
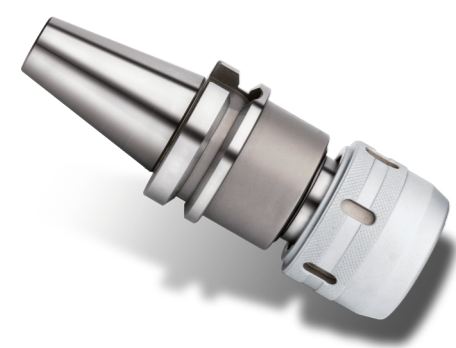
Accessory

Technical Information

POWER MILLING CHUCK

BT

POWER MILLING CHUCK



Collets, Wrenches Refer to page D158

JIS B6339-BT AT3 AD

JIS B6339/MAS 403-BT

STANDARD

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

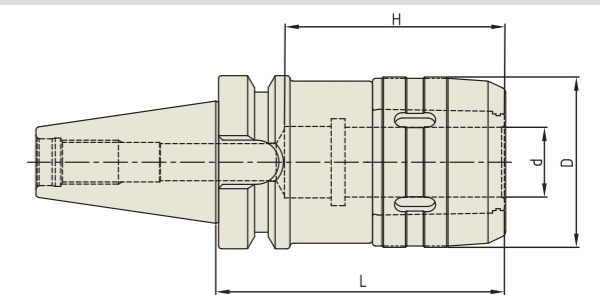
Unit : inch

Hydraulic Chuck
Shrink Fit Holder
End Mill Holder & Side Lock Arbor
ER Collet Chuck
SK Slim Chuck
TG Collet Chuck
Power Milling Chuck
Morse Taper Arbor
Tapping Chuck
One Step Tapping Chuck
Shell Mill Arbor
NC Drill Chuck
Jacobs Taper Arbor
Stub Arbor
Slitting Saw Arbor
Accessory
Technical Information

POWER MILLING CHUCK

CBT

DUAL CONTACT HIGH SPEED POWER MILLING CHUCK



Collets, Wrenches Refer to page D158

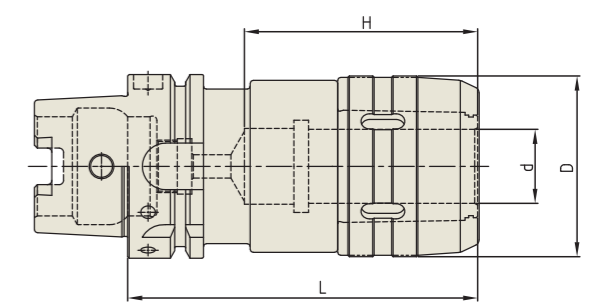
CBT AT3 6.3G 20,000 RPM AD

CBT (BT DUAL CONTACT)

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

HSK

DUAL CONTACT HIGH SPEED POWER MILLING CHUCK



Collets, Wrenches Refer to page D158

DIN 69893-HSK 6.3G 20,000 RPM AD

DIN 69893/ISO 12164-1-HSK FORM A

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

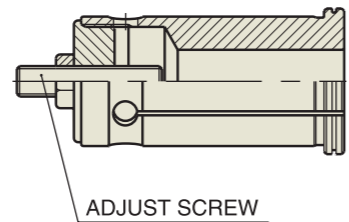
Unit : inch

Hydraulic Chuck
Shrink Fit Holder
End Mill Holder & Side Lock Arbor
ER Collet Chuck
SK Slim Chuck
TG Collet Chuck
Power Milling Chuck
Morse Taper Arbor
Tapping Chuck
One Step Tapping Chuck
Shell Mill Arbor
NC Drill Chuck
Jacobs Taper Arbor
Stub Arbor
Slitting Saw Arbor
Accessory
Technical Information

YG POWER
MILLING CHUCK

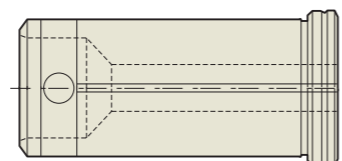
PART

COLLET



ADJUST SCREW

Unit : inch			Unit : inch			Unit : inch		
EDP No.	TYPE	D	EDP No.	TYPE	D	EDP No.	TYPE	D
MZ002	CK3/4	1/4	MZ102	CK1	1/4	MZ302	CK1 1/4	1/4
MZ003	CK3/4	5/16	MZ103	CK1	5/16	MZ303	CK1 1/4	5/16
MZ004	CK3/4	3/8	MZ104	CK1	3/8	MZ304	CK1 1/4	3/8
MZ006	CK3/4	1/2	MZ106	CK1	1/2	MZ306	CK1 1/4	1/2
MZ008	CK3/4	5/8	MZ108	CK1	5/8	MZ308	CK1 1/4	5/8
			MZ110	CK1	3/4	MZ310	CK1 1/4	3/4
						MZ312	CK1 1/4	7/8
						MZ314	CK1 1/4	1



Unit : inch			Unit : inch			Unit : inch		
EDP No.	TYPE	D	EDP No.	TYPE	D	EDP No.	TYPE	D
MY002	K3/4	1/4	MY102	K1	1/4	MY302	K1 1/4	1/4
MY003	K3/4	5/16	MY103	K1	5/16	MY303	K1 1/4	5/16
MY004	K3/4	3/8	MY104	K1	3/8	MY304	K1 1/4	3/8
MY006	K3/4	1/2	MY106	K1	1/2	MY306	K1 1/4	1/2
MY008	K3/4	5/8	MY108	K1	5/8	MY308	K1 1/4	5/8
			MY110	K1	3/4	MY310	K1 1/4	3/4
						MY312	K1 1/4	7/8
						MY314	K1 1/4	1

WRENCH

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



YG-1 ROTARY TOOLING

**MORSE TAPER
ARBOR**



MORSE TAPER ARBOR

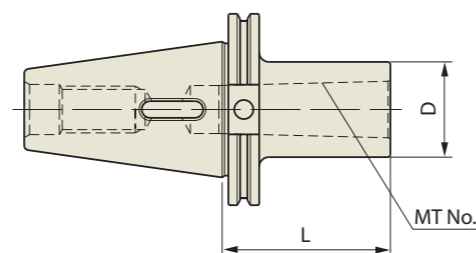
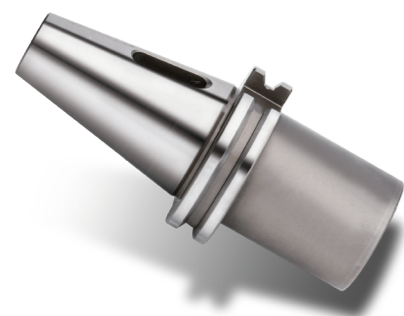
CAT : ASME B5.50-2009

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

YG MORSE TAPER ARBOR

CAT

MORSE TAPER ADAPTOR



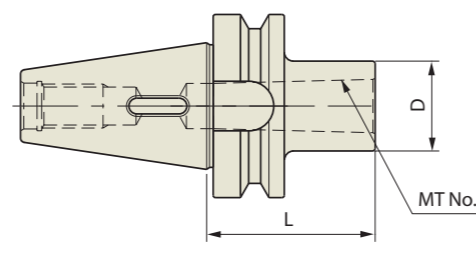
ASME B5.50-2009-CAT

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	1.26	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

BT

MORSE TAPER ADAPTOR



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

YG-1 ROTARY TOOLING

TAPPING CHUCK

QUICK CHANGE - TAP ADAPTOR
SYNCHRO TAPPING - ER COLLET

TAPPING CHUCK

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

ACCESSORY & PARTS

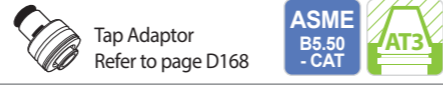
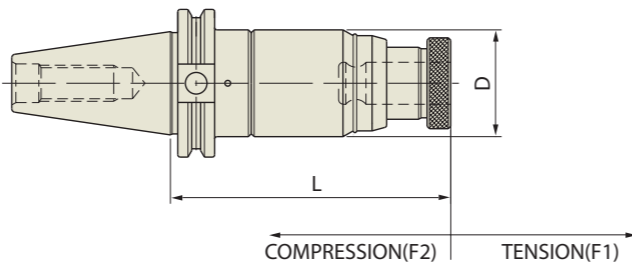
QUICK CHANGE TAP ADAPTOR



YIG TAPPING CHUCK

CAT

TAPPING CHUCK



ASME B5.50-2009-CAT

■ TO USE TAP ADAPTOR QCT12

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
JK048	40	CAT40 - TC#1 - 4.56	1.77	4.56	.591	.197
JL048	50	CAT50 - TC#1 - 4.56	1.77	4.56	.591	.197

■ TO USE TAP ADAPTOR QCT24

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
JK049	40	CAT40 - TC#2 - 6.47	2.48	6.47	.787	.197
JL049	50	CAT50 - TC#2 - 5.82	2.48	5.82	.787	.197

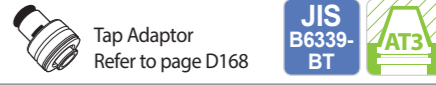
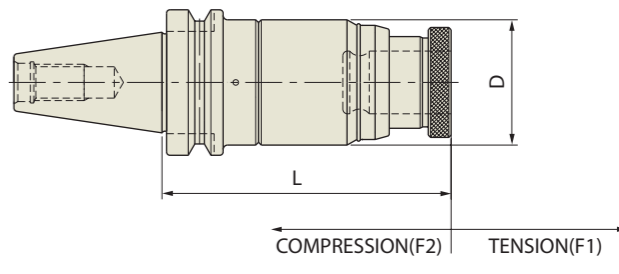
■ TO USE TAP ADAPTOR QCT32

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
JL050	50	CAT50 - TC#3 - 7.75	3.86	7.75	.984	.394

YIG TAPPING CHUCK

BT

TAPPING CHUCK



JIS B6339/MAS 403-BT

■ TO USE TAP ADAPTOR QCT12

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
JH048	40	BT40 - TC#1 - 4.53	1.77	4.53	.591	.197
JL048	50	BT50 - TC#1 - 4.64	1.77	4.64	.591	.197

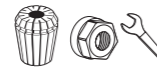
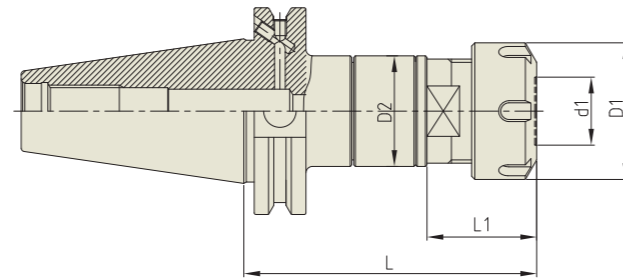
■ TO USE TAP ADAPTOR QCT24

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
JH049	40	BT40 - TC#2 - 6.72	2.48	6.72	.787	.197
JL049	50	BT50 - TC#2 - 6.72	2.48	6.72	.787	.197

■ TO USE TAP ADAPTOR QCT32

EDP No.	TAPER No.	MODEL No.	D	L	F1	F2
JL050	50	BT50 - TC#3 - 8.33	3.86	8.33	.984	.394

SYNCHRO TAPPING ER CHUCK



ER Collets, Nuts, Wrenches, Stop Screws
Refer to page D128-D137



ASME B5.50-2009-CAT

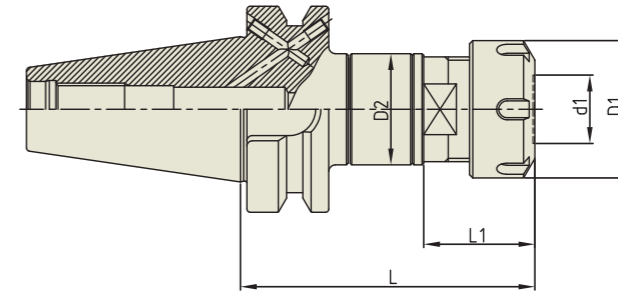
Unit : mm

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

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

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

SYNCHRO TAPPING ER CHUCK



ER Collets, Nuts, Wrenches, Stop Screws
Refer to page D128-D137



JIS B6339/MAS 403-BT

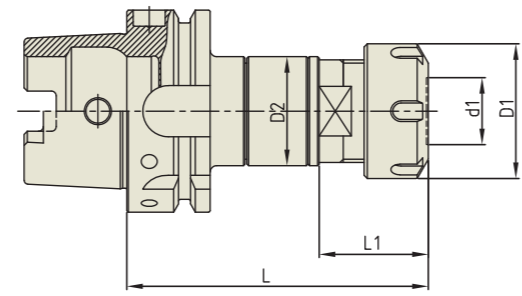
Unit : mm

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

YIG TAPPING CHUCK

HSK

SYNCHRO TAPPING ER CHUCK



ER Collets, Nuts, Wrenches, Stop Screws Refer to page D128-D137
DIN 69893-HSK AD

DIN69893/ISO12164-1 HSK FORM A

Unit : mm

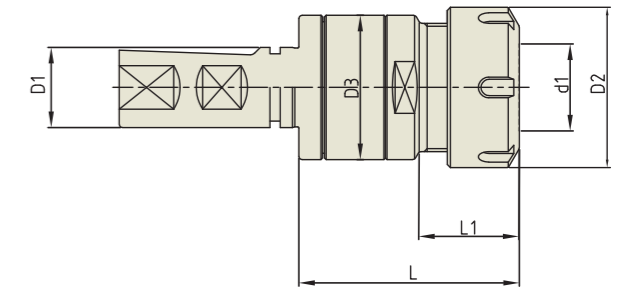
EDP No.	TAPER No.	MODEL No.	d1 (TAP SIZE)	NUT	D1	D2	L	L1	WEIGHT(Kg)
P2773801	63A	HSK63A - SYTER 16 - 106	M3 - M16	ER20	34	34	90	27	0.95
P2773802		HSK63A - SYTER 20 - 110	M3 - M20	ER25	42	34	94	34	0.95
P2773803		HSK63A - SYTER 27 - 115	M4 - M27	ER32	50	45	105	31	1.34

Hydraulic Chuck
Shrink Fit Holder
End Mill Holder & Side Lock Arbor
ER Collet Chuck
SK Slim Chuck
TG Collet Chuck
Power Milling Chuck
Morse Taper Arbor
Tapping Chuck
One Step Tapping Chuck
Shell Mill Arbor
NC Drill Chuck
Jacobs Taper Arbor
Stub Arbor
Slitting Saw Arbor
Accessory
Technical Information

YIG TAPPING CHUCK

KW

SYNCHRO TAPPING ER CHUCK



ER Collets, Nuts, Wrenches, Stop Screws Refer to page D128-D137

STRAIGHT-KW

Unit : inch

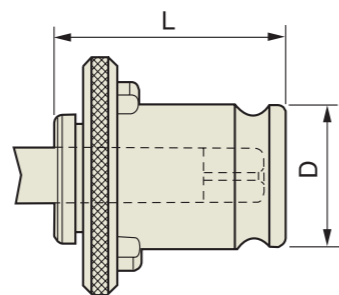
EDP No.	MODEL No.	d1 (TAP SIZE)	NUT	D1	D2	D3	L	L1	WEIGHT(lbs)
JS101SYT	KW3/4 - SYTER 16	M3 - M16	ER20	.750	1.339	1.339	2.283	1.024	.728
JS102SYT	KW1.0 - SYTER 16	M3 - M16	ER20	1.000	1.339	1.339	2.402	1.063	.970
JS103SYT	KW1.0 - SYTER 27	M4 - M27	ER32	1.000	1.969	1.772	2.717	1.220	1.323

Unit : mm

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

Hydraulic Chuck
Shrink Fit Holder
End Mill Holder & Side Lock Arbor
ER Collet Chuck
SK Slim Chuck
TG Collet Chuck
Power Milling Chuck
Morse Taper Arbor
Tapping Chuck
One Step Tapping Chuck
Shell Mill Arbor
NC Drill Chuck
Jacobs Taper Arbor
Stub Arbor
Slitting Saw Arbor
Accessory
Technical Information

TAP ADAPTOR without SAFETY CLUTCH



POSITIVE DRIVE-SOLID TYPE

Unit : inch

EDP No.	ADAPTOR SIZE	TAP SIZE RANGE	TAP SIZE	TAP Dia.	TAP SQUARE
QCT12001	QCT 12 D = 19mm/.748 L = 28.5mm/1.122	0 - 9/16	# 0 - 6	.141	.110
QCT12002			# 8	.168	.131
QCT12003			# 10	.194	.152
QCT12004			# 12	.220	.165
QCT12005			1/4	.255	.191
QCT12006			5/16	.318	.238
QCT12007			3/8	.381	.286
QCT12008			7/16	.323	.242
QCT12009			1/2	.367	.275
QCT12010				9/16	.429
QCT12011		1/8 PIPE	1/8pss	.3125	.234
QCT12012			1/8pls	.4370	.328
QCT24001	QCT 24 D = 31mm/1.220 L = 46mm/1.811	5/16 - 7/8	5/16	.318	.238
QCT24002			3/8	.381	.286
QCT24003			7/16	.323	.242
QCT24004			1/2	.367	.275
QCT24005			9/16	.429	.322
QCT24006			5/8	.480	.360
QCT24007			11/16	.542	.406
QCT24008			3/4	.590	.421
QCT24009			13/16	.652	.489
QCT24010			7/8	.697	.523
QCT24011		1/4, 3/8, 1/2 PIPE	1/4p	.5620	.42
QCT24012			3/8p	.7000	.531
QCT24013			1/2p	.6875	.515
QCT32001	QCT 32 D = 48mm/1.890 L = 69.5mm/2.736	13/16 - 1 3/8	13/16	.652	.489
QCT32002			7/8	.697	.523
QCT32003			15/16	.760	.570
QCT32004			1	.800	.600
QCT32005			1 1/8	.896	.672
QCT32006			1 1/4	1.021	.766
QCT32007			1 3/8	1.108	.831
QCT32008			1/2p	.6875	.515
QCT32009			3/4p	.9060	.679
QCT32010			1/2, 3/4, 1 PIPE	1p	1.1250

YG-1 ROTARY TOOLING

ONE STEP TAPPING CHUCK

ONE STEP TAPPING - TAP ADAPTOR

ONE STEP TAPPING CHUCK

CAT : ASME B5.50-2009

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

HSK : DIN69893/ISO12164-1

STRAIGHT-KW

ACCESSORY & PARTS

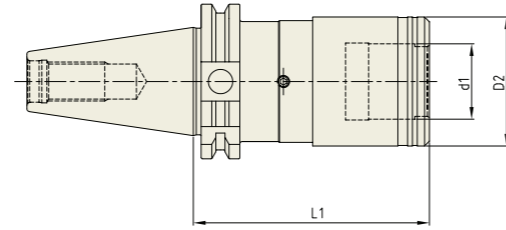
TAP ADAPTOR



ONE STEP TAPPING CHUCK

CAT

ONE STEP TAPPING CHUCK



Tap Adaptor
Refer to page D172 -D173



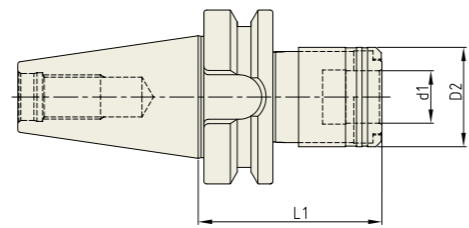
ASME B5.50-2009-CAT

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D2	L1	LENGTH COMPENSATION		WEIGHT (Kg)
						Compression	Tension	
JK101OTC	40	CAT40 - OTC - M3 - M12 - 59	19	36	59	7.5	7.5	1.10
JK102OTC		CAT40 - OTC - M8 - M20 - 97	31	53	97	12.5	12.5	1.50
JK103OTC		CAT40 - OTC - M14 - M36 - 149	48	78	149	20	20	3.30
JL101OTC	50	CAT50 - OTC - M3 - M12 - 59	19	36	59	7.5	7.5	3.00
JL102OTC		CAT50 - OTC - M8 - M20 - 83	31	53	83	12.5	12.5	3.30
JL103OTC		CAT50 - OTC - M14 - M36 - 138	48	78	138	20	20	5.20

BT

ONE STEP TAPPING CHUCK



Tap Adaptor
Refer to page D172 -D173



JIS B6339/MAS 403-BT

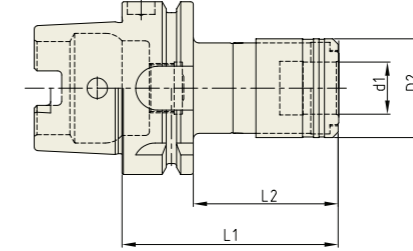
Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D2	L1	LENGTH COMPENSATION		WEIGHT (Kg)
						Compression	Tension	
JH101OTC	40	BT40 - OTC - M3 - M12 - 66.5	19	36	66.5	7.5	7.5	1.10
JH102OTC		BT40 - OTC - M8 - M20 - 93.5	31	53	93.5	12.5	12.5	1.50
JH103OTC		BT40 - OTC - M14 - M36 - 162.5	48	78	162.5	20	20	3.30
JJ101OTC	50	BT50 - OTC - M3 - M12 - 85	19	36	85	7.5	7.5	3.00
JJ102OTC		BT50 - OTC - M8 - M20 - 101.5	31	53	101.5	12.5	12.5	3.30
JJ103OTC		BT50 - OTC - M14 - M36 - 141	48	78	141	20	20	5.20

ONE STEP TAPPING CHUCK

HSK

ONE STEP TAPPING CHUCK



Tap Adaptor
Refer to page D172 -D173



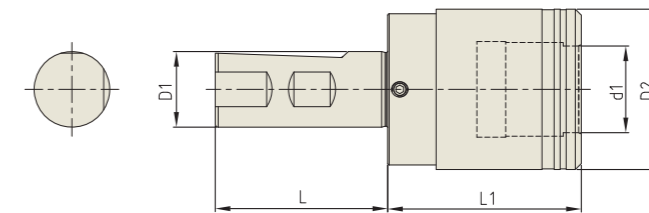
DIN 69893/ISO12164-1

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D2	L1	L2	LENGTH COMPENSATION		WEIGHT (Kg)
							Compression	Tension	
JQ101OTC	63A	HSK63A - OTC - M3 - M12 - 77	19	36	77	51	7.5	7.5	1.10
JQ102OTC		HSK63A - OTC - M8 - M20 - 110	31	53	110	84	12.5	12.5	1.50
JQ103OTC		HSK63A - OTC - M14 - M36 - 155	48	78	155	129	20	20	3.30
JR101OTC	100A	HSK100A - OTC - M3 - M12 - 85.5	19	36	85.5	56.5	7.5	7.5	3.00
JR102OTC		HSK100A - OTC - M8 - M20 - 119.5	31	53	119.5	90.5	12.5	12.5	3.30
JR103OTC		HSK100A - OTC - M14 - M36 - 161	48	78	161	132	20	20	5.20

KW

ONE STEP TAPPING CHUCK



Tap Adaptor
Refer to page D172 -D173



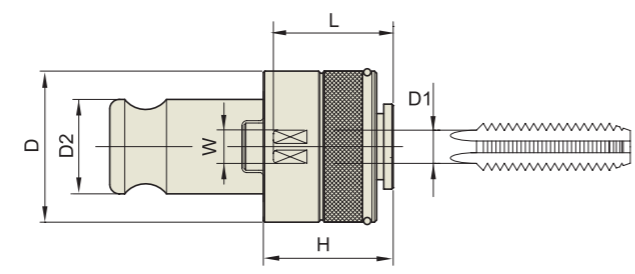
STRAIGHT - KW

Unit : mm

EDP No.	TAPER No.	MODEL No.	d1	D1	D2	L	L1	LENGTH COMPENSATION		WEIGHT (Kg)
								Compression	Tension	
JS101OTC	20	KW20 - OTC - M3 - M12 - 40	19	20	36	51	40	7.5	7.5	0.80
JS102OTC	25	KW25 - OTC - M3 - M12 - 40	19	25	36	57	40	7.5	7.5	3.00
JS103OTC		KW25 - OTC - M8 - M20 - 64	31	25	53	57	64	12.5	12.5	3.30
JS104OTC	32	KW32 - OTC - M3 - M12 - 39	19	32	36	60	39	7.5	7.5	3.00
JS105OTC		KW32 - OTC - M8 - M20 - 63	31	32	53	60.5	63	12.5	12.5	3.30
JS106OTC		KW32 - OTC - M14 - M36 - 124	48	32	78	61	124	20	20	-

TAP ADAPTOR with SAFETY CLUTCH

Below standard Tap Adaptor conforms to **JIS**



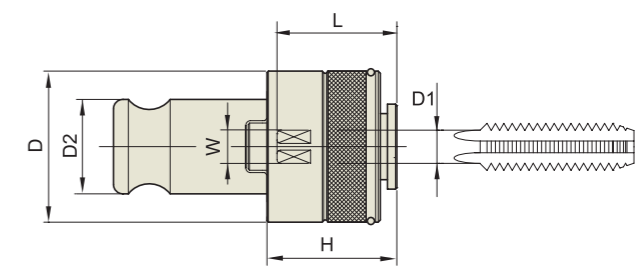
Unit : mm

EDP No.	TAPER No.	MODEL No.	D	D1 (Ø)	D2	H	W (□)	L	WEIGHT(Kg)
P2774651	TCS12	TCS12 - M3	32	4	19	25	3.2	24	0.18
P2774652		TCS12 - M4	32	5	19	25	4.	24	0.18
P2774653		TCS12 - M5	32	5.5	19	25	4.5	24	0.18
P2774654		TCS12 - M6, U1/4	32	6	19	25	4.5	24	0.18
P2774655		TCS12 - M8	32	6.2	19	25	5	25	0.18
P2774656		TCS12 - M10, U3/8	32	7	19	25	5.5	25	0.18
P2774657		TCS12 - M12	32	8.5	19	25	6.5	26	0.18
P2774658	TCS24	TCS24 - M6	50	6	31	33	4.5	38	0.60
P2774659		TCS24 - M8	50	6.2	31	33	5	38	0.60
P2774660		TCS24 - M10	50	7	31	33	5.5	38	0.60
P2774661		TCS24 - M12	50	8.5	31	33	6.5	39	0.60
P2774662		TCS24 - M14, U3/4	50	10.5	31	33	8	41	0.60
P2774663		TCS24 - M16	50	12.5	31	33	10	43	0.60
P2774664		TCS24 - M18, P3/8	50	14	31	33	11	43	0.60
P2774665		TCS24 - M20	50	15	31	33	12	43.5	0.60
P2774666		TCS24 - M22, U7/8	50	17	31	33	13	46	0.60
P2774667		TCS24 - M24, PF5/8	50	19	31	33	15	46	0.60
P2774668	TCS38	TCS38 - M18	72	14	48	45	11	43	1.80
P2774669		TCS38 - M20	72	15	48	45	12	43.5	1.80
P2774670		TCS38 - M22	72	17	48	45	13	45	1.80
P2774671		TCS38 - M24	72	19	48	45	15	45	1.80
P2774672		TCS38 - M27, U1	72	20	48	45	15	62	1.80
P2774673		TCS38 - M30, PT3/4	72	23	48	45	17	64	1.80
P2774674		TCS38 - M33	72	25	48	45	19	66	1.80
P2774675		TCS38 - M36	72	28	48	45	21	68	1.80
P2774676		TCS38 - M38	72	28	48	45	21	68	1.80

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

TAP ADAPTOR with SAFETY CLUTCH

Below standard Tap Adaptor conforms to **DIN**



Unit : mm

EDP No.	TAPER No.	MODEL No.	D	D1 (Ø)	D2	H	W (□)	L	DIN No.	WEIGHT(Kg)	
P2774601	TSC12D	TCS12D - 2821	32	2.8	19	25	2.1	24	371	0.20	
P2774602		TCS12D - 3527	32	3.5	19	25	2.7	24	371	0.20	
P2774603		TCS12D - 4534	32	4.5	19	25	3.4	24	371	0.20	
P2774604		TCS12D - 43	32	4	19	25	3	24	371	0.20	
P2774605		TCS12D - 5543	32	5.5	19	25	4.3	25	376	0.20	
P2774606		TCS12D - 649	32	6	19	25	4.9	25	371	0.20	
P2774607		TCS12D - 755	32	7	19	25	5.5	25	376	0.20	
P2774608		TCS12D - 862	32	8	19	25	6.2	25	371	0.20	
P2774609		TCS12D - 97	32	9	19	25	7	26	376	0.20	
P2774610		TCS12D - 108	32	10	19	25	8	26	371	0.20	
P2774611		TCS12D - 119	32	11	19	25	9	26	376	0.20	
P2774612		TCS24D - 649	50	6	31	33	4.9	38	371	0.60	
P2774613		TCS24D - 755	50	7	31	33	5.5	38	376	0.60	
P2774614		TCS24D - 862	50	8	31	33	6.2	38	371	0.60	
P2774615	TCS24D	TCS24D - 97	50	9	31	33	7	38	376	0.60	
P2774616		TCS24D - 108	50	10	31	33	8	39	371	0.60	
P2774617		TCS24D - 119	50	11	31	33	9	41	376	0.60	
P2774618		TCS24D - 129	50	12	31	33	9	43	376	0.60	
P2774619		TCS24D - 1411	50	14	31	33	11	43	376	0.60	
P2774620		TCS24D - 1612	50	16	31	33	12	46	376	0.60	
P2774621		TCS24D - 18145	50	18	31	33	14.5	46	376	0.60	
P2774622		TCS38D	TCS38D - 119	72	11	48	45	9	43	376	1.80
P2774623			TCS38D - 129	72	12	48	45	9	43	376	1.80
P2774624			TCS38D - 1411	72	14	48	45	11	45	376	1.80
P2774625	TCS38D - 1612		72	16	48	45	12	45	376	1.80	
P2774626	TCS38D - 18145		72	18	48	45	14.5	62	376	1.80	
P2774627	TCS38D - 2016		72	20	48	45	16	64	376	1.80	
P2774628	TCS38D - 2218		72	22	48	45	18	66	376	1.80	
P2774629	TCS38D - 2520		72	25	48	45	20	68	376	1.80	
P2774630	TCS38D - 2822		72	28	48	45	22	68	376	1.80	

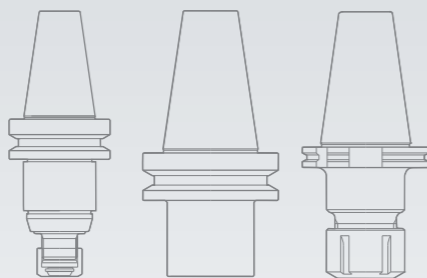
- ▶ Feature : Quick Change Type with Built-in Torque Safety Device
- ▶ For Pipe Type Tap, please discuss separately.

Hydraulic Chuck
Shrink Fit Holder
End Mill Holder & Side Lock Arbor
ER Collet Chuck
SK Slim Chuck
TG Collet Chuck
Power Milling Chuck
Morse Taper Arbor
Tapping Chuck
One Step Tapping Chuck
Shell Mill Arbor
NC Drill Chuck
Jacobs Taper Arbor
Stub Arbor
Slitting Saw Arbor
Accessory
Technical Information

Hydraulic Chuck
Shrink Fit Holder
End Mill Holder & Side Lock Arbor
ER Collet Chuck
SK Slim Chuck
TG Collet Chuck
Power Milling Chuck
Morse Taper Arbor
Tapping Chuck
One Step Tapping Chuck
Shell Mill Arbor
NC Drill Chuck
Jacobs Taper Arbor
Stub Arbor
Slitting Saw Arbor
Accessory
Technical Information



Global Cutting Tool Leader **YG-1**



ROTARY TOOLING

YG-1 ROTARY TOOLING

SHELL MILL ARBOR

STANDARD, EXTENDED, COOLANT CHANNEL
FLANGE MOUNTING

SHELL MILL ARBOR

CAT : ASME B5.50-2009

CCT : CAT DUAL CONTACT

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

CBT : BT DUAL CONTACT

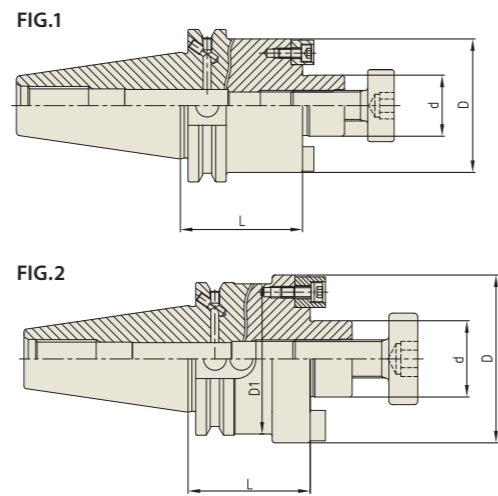
HSK : DIN69893/ISO12164-1

ACCESSORY & PARTS

COLLAR BOLT, DRIVE KEY, KEY BOLT



SHELL MILL ARBOR



ASME B5.50-2009-CAT

■ STANDARD

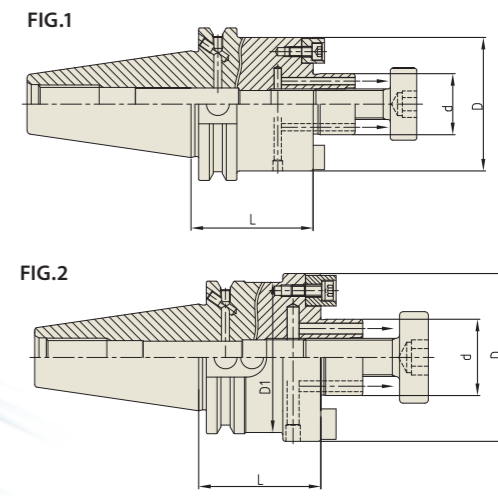
EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EK006B	40	CAT40 AD/B - SMA 1/2 - 1.50	.500	1.50	1.44	-	UNF1/4-28x16L	1
EK010B		CAT40 AD/B - SMA 3/4 - 1.50	.750	1.50	1.69	-	UNF3/8-24x24L	1
EK014B		CAT40 AD/B - SMA 1 - 2.00	1.000	2.00	2.19	-	UNF1/2-20x32L	1
EK017B		CAT40 AD/B - SMA 1 1/4 - 2.00	1.250	2.00	2.75	2.46	UNF5/8-18x40L	2
EK021B		CAT40 AD/B - SMA 1 1/2 - 3.00	1.500	3.00	3.81	2.46	UNF3/4-16x47L	2
EL010B	50	CAT50 AD/B - SMA 3/4 - 1.50	.750	1.50	1.69	-	UNF3/8-24x24L	1
EL014B		CAT50 AD/B - SMA 1 - 2.00	1.000	2.00	2.19	-	UNF1/2-20x32L	1
EL017B		CAT50 AD/B - SMA 1 1/4 - 2.00	1.250	2.00	2.75	-	UNF5/8-18x40L	1
EL021B		CAT50 AD/B - SMA 1 1/2 - 2.50	1.500	2.50	3.81	-	UNF3/4-16x47L	1
EL029B		CAT50 AD/B - SMA 2 - 3.00	2.000	3.00	4.88	3.84	UN1-14x48L	2

■ EXTENDED

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

* High balanced Shell Mill Arbors are available on request.

SHELL MILL ARBOR (Coolant Channel)



ASME B5.50-2009-CAT

■ STANDARD

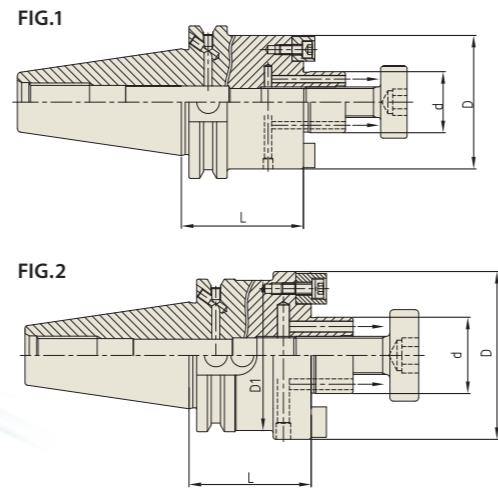
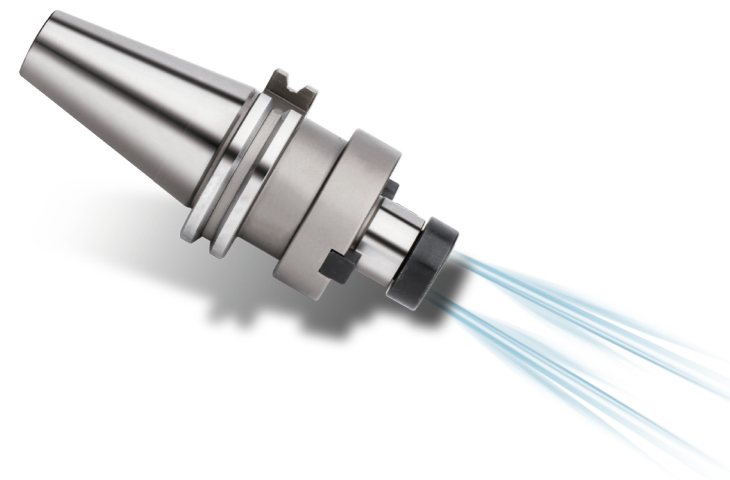
EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EK006BC	40	CAT40 AD/B - SMA 1/2C - 1.50	.500	1.50	1.44	-	UNF1/4-28x16L	1
EK010BC		CAT40 AD/B - SMA 3/4C - 1.50	.750	1.50	1.69	-	UNF3/8-24x24L	1
EK014BC		CAT40 AD/B - SMA 1C - 2.00	1.000	2.00	2.19	-	UNF1/2-20x32L	1
EK017BC		CAT40 AD/B - SMA 1 1/4C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

■ EXTENDED

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

* High balanced Shell Mill Arbors are available on request.

SHELL MILL ARBOR (Coolant Channel)



Parts Refer to page D188-D189

ASME B5.50 - CAT AT3 6.3G 15,000 RPM AD/B+C

ASME B5.50-2009-CAT

STANDARD

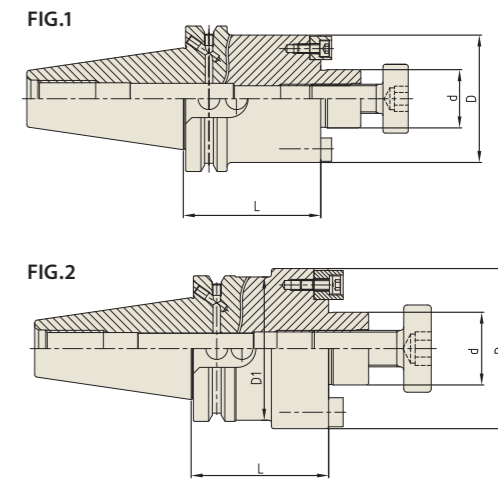
EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EK401BC	40	CAT40 AD/B - SMA 16C - 44	Ø16	44	Ø38	-	M8x1.25-16L	1
EK402BC		CAT40 AD/B - SMA 22C - 44	Ø22	44	Ø48	-	M10x1.5-18L	1
EK403BC		CAT40 AD/B - SMA 27C - 44	Ø27	44	Ø60	-	M12x1.75-22L	1
EK404BC		CAT40 AD/B - SMA 32C - 60	Ø32	60	Ø78	-	M16x2.0-26L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

EXTENDED

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

* High balanced Shell Mill Arbors are available on request.

DUAL CONTACT SHELL MILL ARBOR



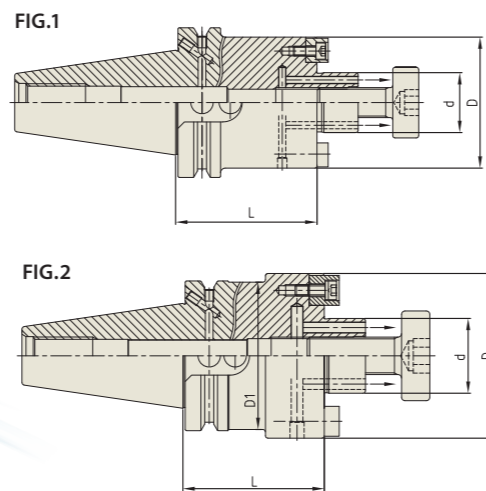
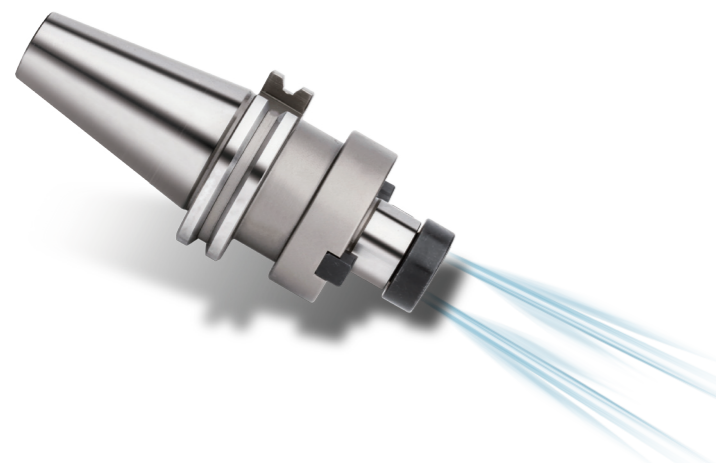
Parts Refer to page D188-D189

CCT AT3 2.5G 25,000 RPM AD/B

CCT (CAT DUAL CONTACT)

EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EB020	40	CCT40 AD/B - SMA 1/2 - 2.36	.500	2.360	1.438	-	UNF1/4-28x16L	1
EB022		CCT40 AD/B - SMA 1/2 - 4.72	.500	4.720	1.438	-	UNF1/4-28x16L	1
EB024		CCT40 AD/B - SMA 3/4 - 2.36	.750	2.360	1.688	-	UNF3/8-24x24L	1
EB026		CCT40 AD/B - SMA 3/4 - 4.72	.750	4.720	1.688	-	UNF3/8-24x24L	1
EB028		CCT40 AD/B - SMA 1 - 2.36	1.000	2.360	2.188	-	UNF1/2-20x32L	1
EB030		CCT40 AD/B - SMA 1 - 4.72	1.000	4.720	2.188	-	UNF1/2-20x32L	1
EB032		CCT40 AD/B - SMA 1 1/4 - 2.36	1.250	2.360	2.750	2.461	UNF5/8-18x40L	2
EB034		CCT40 AD/B - SMA 1 1/4 - 4.72	1.250	4.720	2.750	2.461	UNF5/8-18x40L	2
EB051		CCT40 AD/B - SMA 1 1/2 - 4.00	1.500	4.000	3.813	2.461	UNF3/4-16x47L	2
EC020		50	CCT50 AD/B - SMA 1/2 - 2.95	.500	2.950	1.438	-	UNF1/4-28x16L
EC022	CCT50 AD/B - SMA 1/2 - 4.72		.500	4.720	1.438	-	UNF1/4-28x16L	1
EC024	CCT50 AD/B - SMA 3/4 - 2.95		.750	2.950	1.688	-	UNF3/8-24x24L	1
EC026	CCT50 AD/B - SMA 3/4 - 4.72		.750	4.720	1.688	-	UNF3/8-24x24L	1
EC028	CCT50 AD/B - SMA 1 - 2.95		1.000	2.950	2.188	-	UNF1/2-20x32L	1
EC030	CCT50 AD/B - SMA 1 - 4.72		1.000	4.720	2.188	-	UNF1/2-20x32L	1
EC032	CCT50 AD/B - SMA 1 1/4 - 2.95		1.250	2.950	2.750	-	UNF5/8-18x40L	1
EC034	CCT50 AD/B - SMA 1 1/4 - 4.72		1.250	4.720	2.750	-	UNF5/8-18x40L	1
EC036	CCT50 AD/B - SMA 1 1/2 - 2.95		1.500	2.950	3.813	-	UNF3/4-16x47L	1
EC038	CCT50 AD/B - SMA 1 1/2 - 4.72		1.500	4.720	3.813	-	UNF3/4-16x47L	1
EC051	CCT50 AD/B - SMA 2 - 4.72		2.000	4.000	4.880	3.836	UN1-14x48L	2

DUAL CONTACT SHELL MILL ARBOR (Coolant Channel)



Parts Refer to page D188-D189

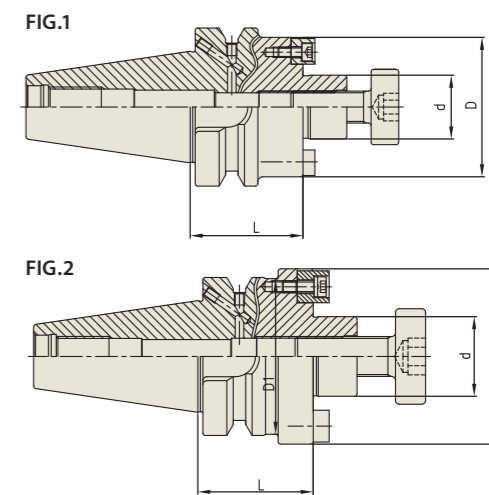
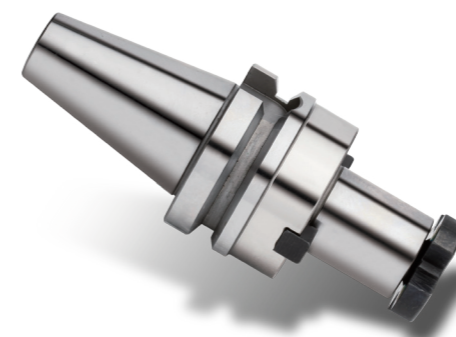
CCT AT3 2.5G 25,000 RPM AD/B+C

CCT (CAT DUAL CONTACT)

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

Unit : inch

SHELL MILL ARBOR



Parts Refer to page D188-D189

JIS B6339-BT AT3 6.3G 15,000 RPM A or AD/B

JIS B6339/MAS 403-BT

■ STANDARD

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

Unit : inch

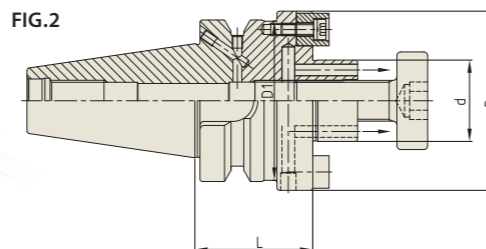
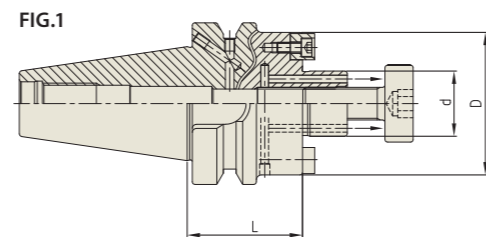
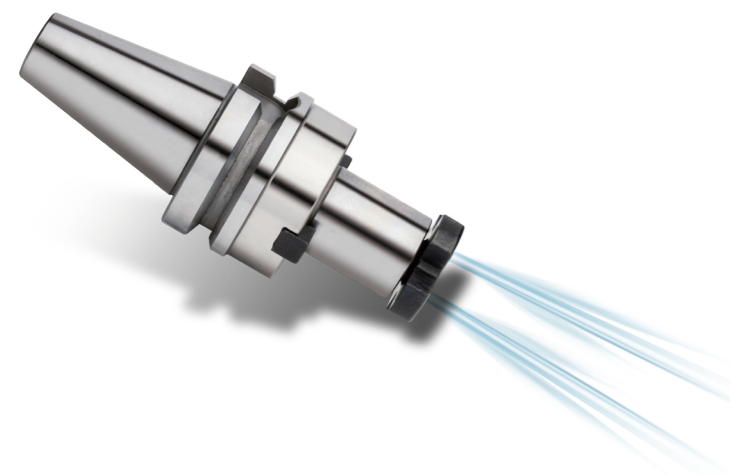
■ EXTENDED

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

Unit : inch

* High balanced Shell Mill Arbors are available on request.

SHELL MILL ARBOR (Coolant Channel)



Parts Refer to page D188-D189



JIS B6339/MAS 403-BT

STANDARD

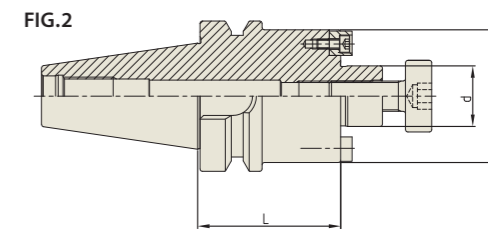
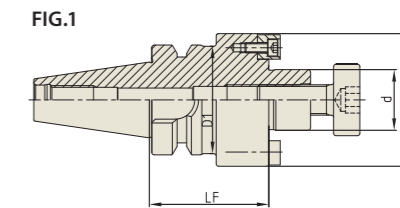
EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EH006BC	40	BT40 AD/B - SMA 1/2C - 1.75	.500	1.75	1.44	-	UNF1/4-28x16L	1
EH010BC		BT40 AD/B - SMA 3/4C - 1.77	.750	1.77	1.69	-	UNF3/8-24x24L	1
EH014BC		BT40 AD/B - SMA 1C - 1.77	1.000	1.77	2.19	-	UNF1/2-20x32L	1
EH017BC		BT40 AD/B - SMA 1 1/4C - 1.81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

EXTENDED

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

* High balanced Shell Mill Arbors are available on request.

DUAL CONTACT SHELL MILL ARBOR



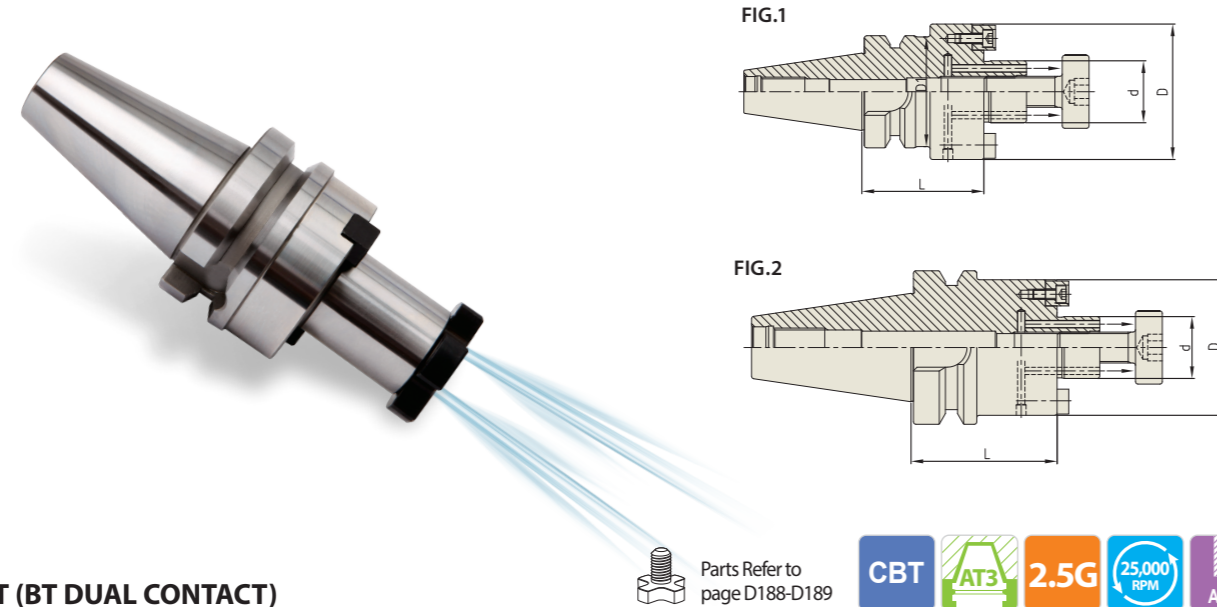
Parts Refer to page D188-D189



CBT (BT DUAL CONTACT)

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

DUAL CONTACT SHELL MILL ARBOR (Coolant Channel)



CBT (BT DUAL CONTACT)

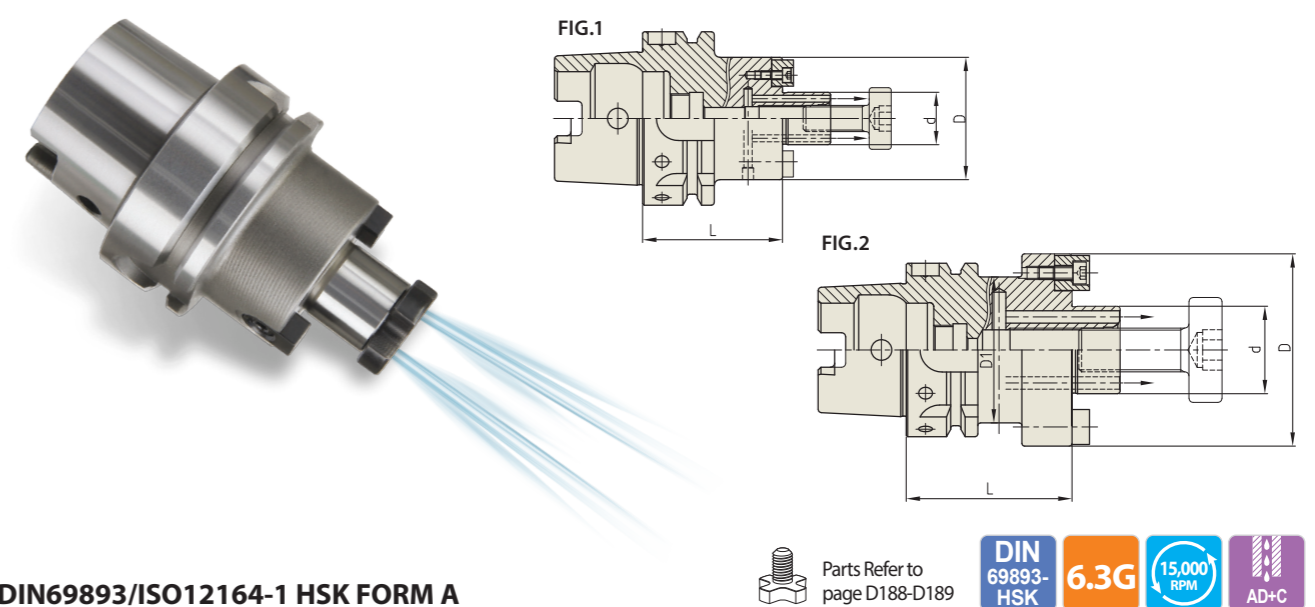
Parts Refer to page D188-D189

CBT AT3 2.5G 25,000 RPM AD+C

Unit : inch

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

DUAL CONTACT SHELL MILL ARBOR (Coolant Channel)



DIN69893/ISO12164-1 HSK FORM A

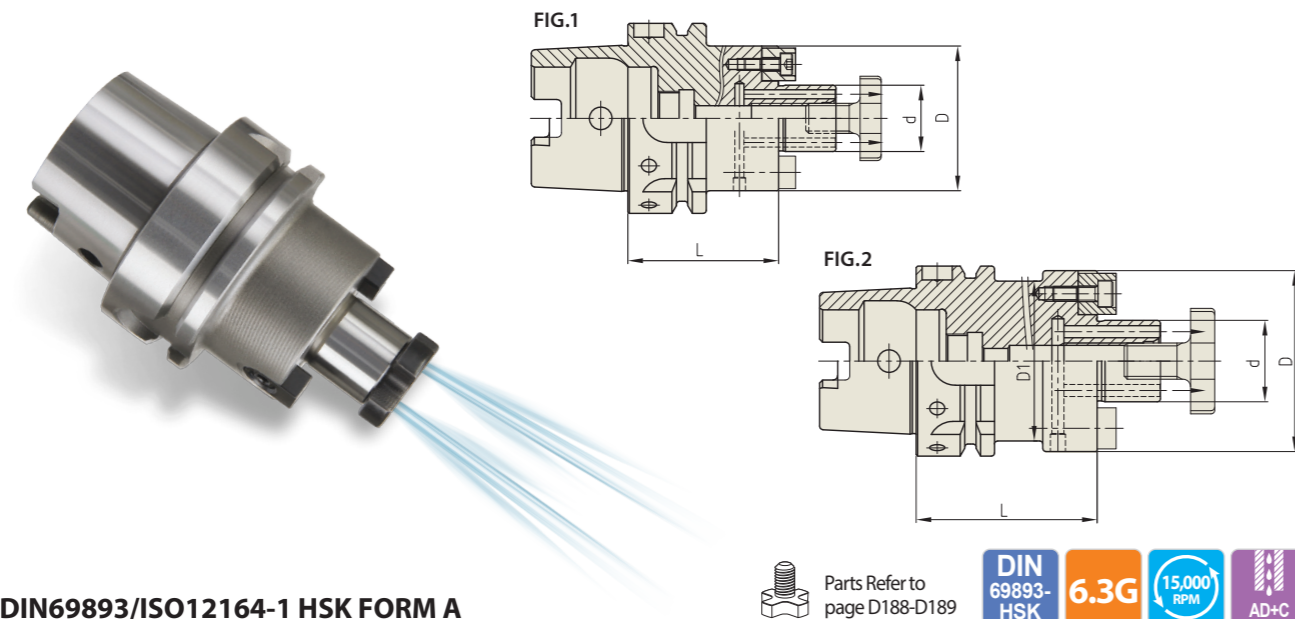
Parts Refer to page D188-D189

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

Unit : inch

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

DUAL CONTACT SHELL MILL ARBOR (Coolant Channel)



DIN69893/ISO12164-1 HSK FORM A



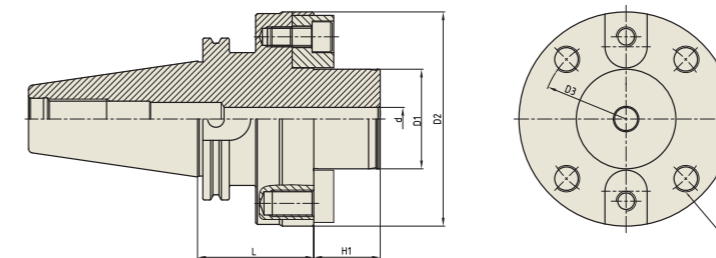
STANDARD

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

EXTENDED

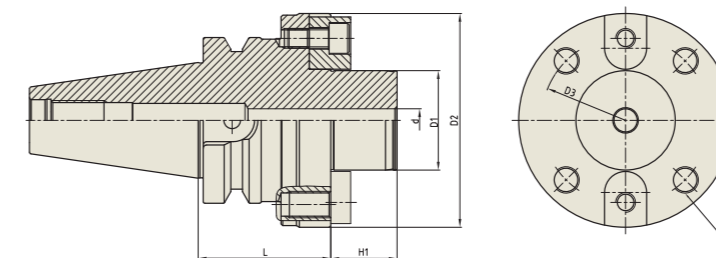
EDP No.	TAPER No.	MODEL No.	d	L	D	D1	COLLAR BOLT	FIG.
EQ006C	63A	HSK63A - SMA 16C - 100	16	100	38	-	M8x1.25-16L	1
EQ007C		HSK63A - SMA 16C - 145	16	145	38	-	M8x1.25-16L	1
EQ008C		HSK63A - SMA 22C - 100	22	100	48	-	M10x1.5-18L	1
EQ009C		HSK63A - SMA 22C - 160	22	160	48	-	M10x1.5-18L	1
EQ010C		HSK63A -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

SHELL MILL ARBOR (Flange Mounting Type)



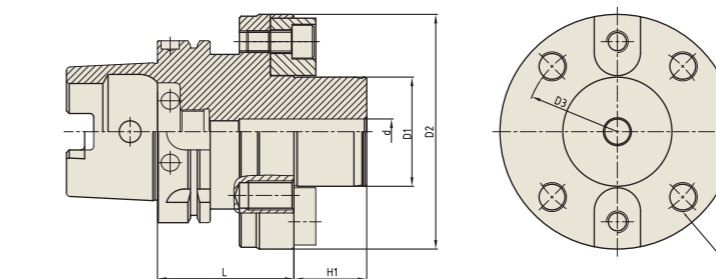
ASME B5.50-2009-CAT

EDP No.	TAPER No.	MODEL No.	d	D1	D2	D3	L	H1	M (TAP)	DRIVE KEY & BOLT	WEIGHT (kg)
EL451	50	CAT50 - SMF 40 - 70	14	40	89	66.7	70	30	4-M12	15.9x16x21.5 (M6-15L)	-
EL452		CAT50 - SMF 60 - 70	14	60	129	101.6	70	40	4-M16	25.4x25.4x31.5 (M12-25L)	-



JIS B6339/MAS 403-BT

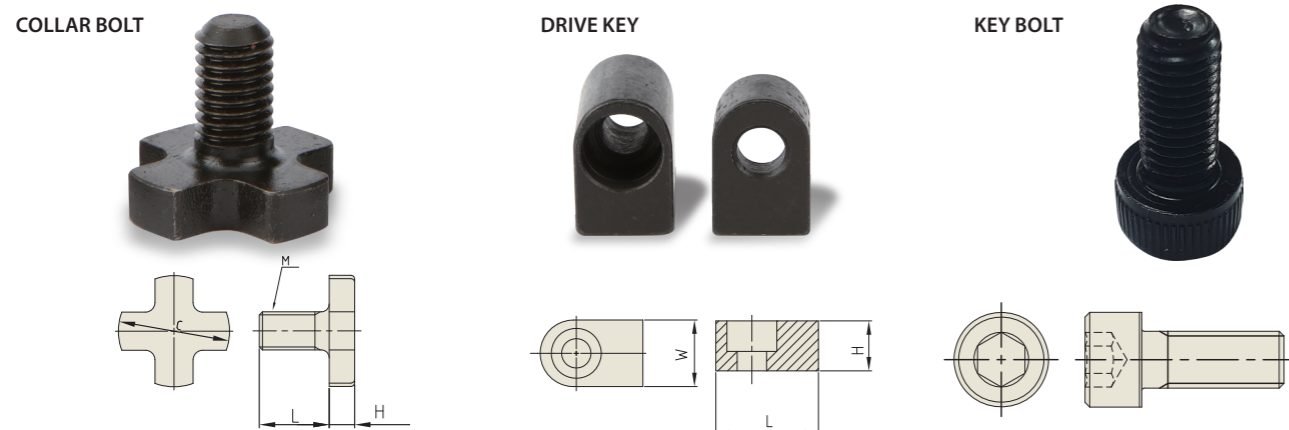
EDP No.	TAPER No.	MODEL No.	d	D1	D2	D3	L	H1	M (TAP)	DRIVE KEY & BOLT	WEIGHT (kg)
EI201	50	BT50 - SMF 40 - 70	14	40	89	66.7	70	30	4-M12	15.9x16x21.5 (M6-15L)	-
EI202		BT50 - SMF 60 - 80	14	60	129	101.6	80	40	4-M16	25.4x25.4x31.5 (M12-25L)	-
EI331		BT50 - SMF 63.5(2.5") - 76.2(3.0")	14	63.5	123.8	101.6	76.2	29	4-UNC5/8-11	25.4x25x28 (M12-25L)	-



DIN69893/ISO12164-1 HSK FORM A

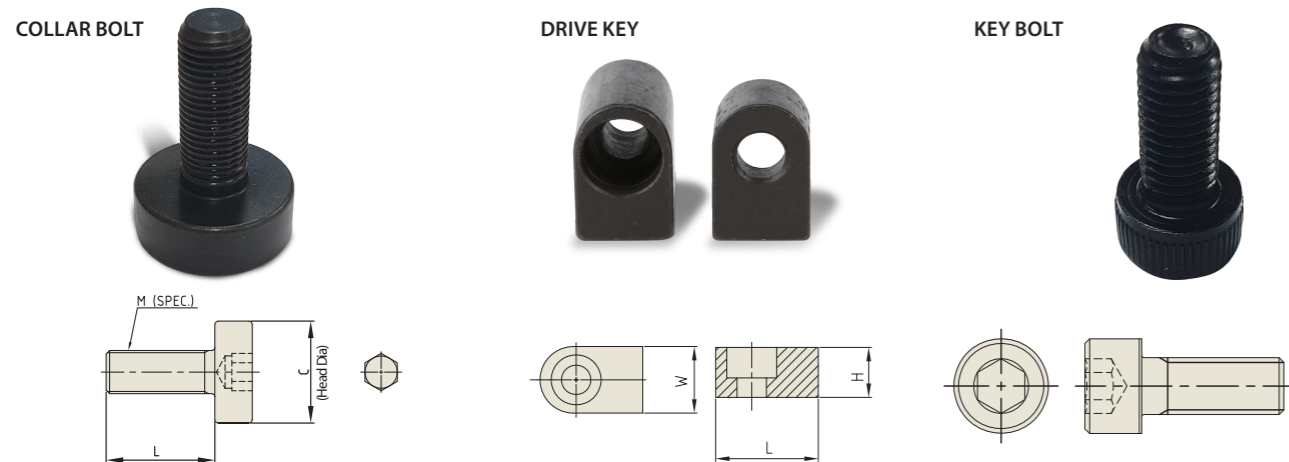
EDP No.	TAPER No.	MODEL No.	d	D1	D2	D3	L	H1	M (TAP)	DRIVE KEY & BOLT	WEIGHT (kg)
ER021	100A	HSK100A - SMF 60 - 75	14	60	129	101.6	75	40	4-M16	25.4x25.4x31.5 (M12-25L)	-

COLLAR BOLT & DRIVE KEY (For SHELL MILL ARBOR)



Unit : mm

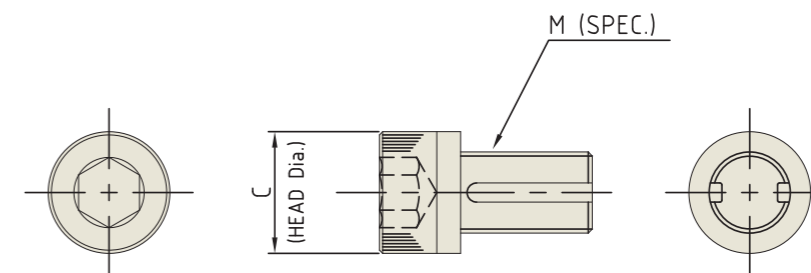
SPIGOT Dia.	COLLAR BOLT			DRIVE KEY		KEY BOLT	
	SPEC.	Head Dia. (C) mm	EDP No.	SPEC. (W x H x L) (mm)	EDP No.	SPEC.	EDP No.
16	M8 x 1.25 x 16L	20	P2514051	8 x 7 x 12.8	P2778857	M3 x 0.5 x 10L	P2778863
22	M10 x 1.5 x 18L	28	P2514052	10 x 7.8 x 15.5	P2778858	M4 x 0.7 x 10L	P2778864
27	M12 x 1.75 x 22L	35	P2514053	12 x 9 x 18.5	P2778859	M5 x 0.8 x 12L	P2778865
32	M16 x 2.0 x 26L	42	P2514054	14 x 11.5 x 20.5	P2778860	M6 x 1.0 x 15L	P2778866
40	M20 x 2.5 x 0L	52	P2514055	16 x 13.5 x 23.5	P2778861	M6 x 1.0 x 15L	P2778866
50	M24 x 3.0 x 36L	63	P2514056	18 x 18 x 28.5	P2778862	M6 x 1.0 x 20L	P2778868



Unit : inch

SPIGOT Dia.	COLLAR BOLT			DRIVE KEY		KEY BOLT	
	SPEC.	Head Dia. (inch)	EDP No.	SPEC. (W x H x L) (inch)	EDP No.	SPEC.	EDP No.
1/2	UNF1/4-28 x 16L	.62	ZZ031	.25 x .25 x .32	ZZ021	UNC#3-48 x 1/4L	ZZ181
3/4	UNF3/8-24 x 24L	.88	ZZ032	.31 x .31 x .37	ZZ022	UNC#5-40 x 5/16L	ZZ182
1	UNF1/2-20 x 32L	1.18	ZZ033	.37 x .37 x .40	ZZ023	UNC#8-32 x 3/8L	ZZ183
1 1/4	UNF5/8-18 x 40L	1.50	ZZ034	.50 x .50 x .50	ZZ024	UNC#10-24 x 1/2L	ZZ184
1 1/2	UNF3/4-16 x 47L	1.88	ZZ035	.65 x .46 x .73	ZZ025	UNC1/4-20 x 5/8L	ZZ185
2	UN1-14 x 48L	2.00	ZZ036	.75 x .71 x .87	ZZ026	UNC5/16-18 x 3/4L	ZZ186

COLLAR BOLT (Coolant groove)

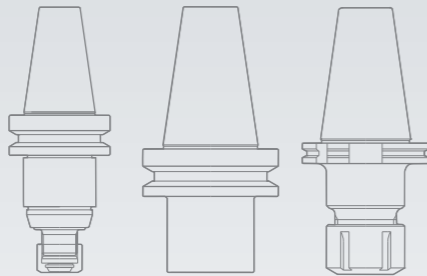


Unit : inch

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



Global Cutting Tool Leader **YG-1**



ROTARY TOOLING

YG-1 ROTARY TOOLING

NC DRILL CHUCK

KEYLESS, HEX. KEY

NC DRILL CHUCK

CAT : ASME B5.50-2009

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

HSK : DIN69893/ISO12164-1

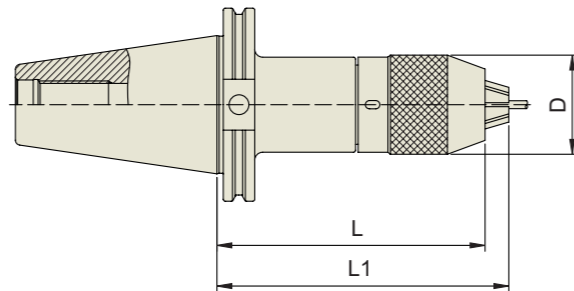
STRAIGHT-K



YG NC DRILL CHUCK

CAT

NC DRILL CHUCK (KEYLESS TYPE)



ASME B5.50-2009-CAT

Unit : inch

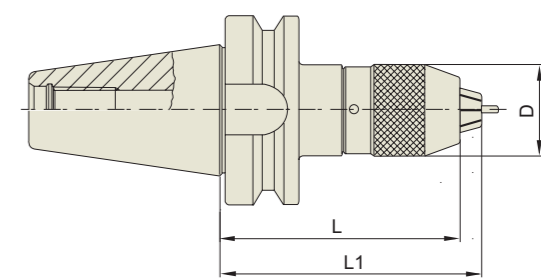
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L	L1
RK020	40	CAT40 - NPU 8 - 2.95	.012 - .315	1.437	2.950	3.174
RK022		CAT40 - NPU 8 - 4.33	.012 - .315	1.437	4.331	4.555
RK024		CAT40 - NPU 8 - 5.91	.012 - .315	1.437	5.906	6.130
RK026		CAT40 - NPU 13 - 3.54	.039 - .512	1.984	3.543	3.937
RK028		CAT40 - NPU 13 - 5.12	.039 - .512	1.984	5.118	5.512
RK030		CAT40 - NPU 13 - 5.91	.039 - .512	1.984	5.906	6.299
RL020	50	CAT50 - NPU 8 - 3.54	.012 - .315	1.437	3.543	3.768
RL022		CAT50 - NPU 8 - 4.33	.012 - .315	1.437	4.331	4.555
RL024		CAT50 - NPU 8 - 6.69	.012 - .315	1.437	6.693	6.917
RL026		CAT50 - NPU 13 - 3.94	.039 - .512	1.984	3.937	4.331
RL028		CAT50 - NPU 13 - 5.12	.039 - .512	1.984	5.118	5.512
RL030		CAT50 - NPU 13 - 5.91	.039 - .512	1.984	5.906	6.299
RL032		CAT50 - NPU 13 - 6.69	.039 - .512	1.984	6.693	7.087

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

YG NC DRILL CHUCK

BT

NC DRILL CHUCK (KEYLESS TYPE)



JIS B6339/MAS 403-BT

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L(Min.)	L1(Max.)
RG100	30	BT30 - NPU 8 - 75	0.3 - 8.0	36.5	75	80.7
RG102		BT30 - NPU 13 - 105	1.0 - 13.0	50.4	105	115
RH100	40	BT40 - NPU 8 - 80	0.3 - 8.0	36.5	80	85.7
RH102		BT40 - NPU 8 - 110	0.3 - 8.0	36.5	110	115.7
RH104		BT40 - NPU 8 - 150	0.3 - 8.0	36.5	150	155.7
RH106		BT40 - NPU 13 - 95	1.0 - 13.0	50.4	95	100.7
RH108		BT40 - NPU 13 - 130	1.0 - 13.0	50.4	130	140
RH110		BT40 - NPU 13 - 150	1.0 - 13.0	50.4	150	160

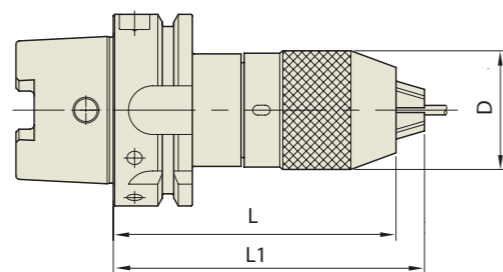
* Chucking Length
 - NPU8 : 20mm
 - NPU13 : 28mm

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

YG NC DRILL CHUCK

HSK

DUAL CONTACT NC DRILL CHUCK (KEYLESS TYPE)



DIN 69893-HSK

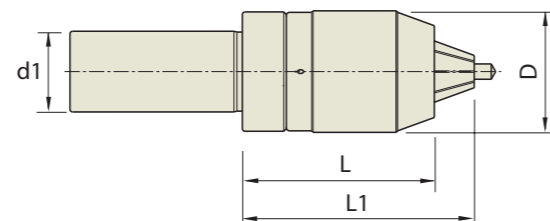
DIN 69893/ISO 12164-1-HSK FORM A

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	L(Min.)	L1(Max.)
RQ100	63A	HSK63A - NPU 8 - 125	0.3 - 8.0	36.5	125	130.7
RQ102		HSK63A - NPU 13 - 150	0.3 - 13.0	50.4	150	160
RR100	100A	HSK100A - NPU 8 - 130	0.3 - 8.0	36.5	130	135.7
RR102		HSK100A - NPU 13 - 150	0.3 - 13.0	50.4	150	160

K

STRAIGHT NC DRILL CHUCK (KEYLESS TYPE)



STRAIGHT-K

Unit : mm

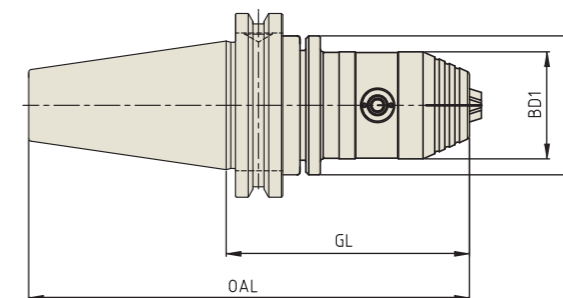
EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	D	d1	L(Min.)	L1(Max.)
RS100	32	K32 - NPU 8 - 75	0.3 - 8.0	36.5	32.0	75	80.7
RS102		K32 - NPU 13 - 100	0.3 - 13.0	50.4	32.0	100	110
RS104	42	K42 - NPU 8 - 70	0.3 - 8.0	36.5	42.0	70	75.7
RS106		K42 - NPU 13 - 100	0.3 - 13.0	50.4	42.0	100	110

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

YG NC DRILL CHUCK

CAT

NC DRILL CHUCK (HEX. KEY TYPE)



ASME B5.50-CAT AT3 AD or AD/B

ASME B5.50-2009-CAT

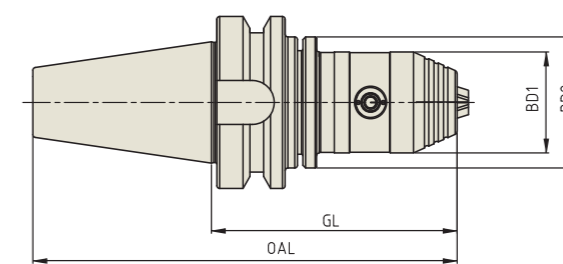
Unit : mm

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

* Hook Wrench Size
 - NKD8 : 4mm
 - HKD13 : 6mm

BT

NC DRILL CHUCK (HEX. KEY TYPE)



JIS B6339-BT AT3 AD or AD/B

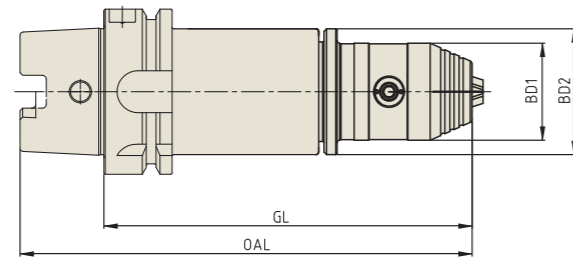
JIS B6339/MAS 403-BT

Unit : mm

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

* Hook Wrench Size
 - NKD8 : 4mm
 - HKD13 : 6mm

NC DRILL CHUCK (HEX. KEY TYPE)



DIN 69893/ISO 12164-1-HSK FORM A

Unit : mm

EDP No.	TAPER No.	MODEL No.	CLAMPING RANGE	OAL	GL	BD1	BD2	WEIGHT(Kg)
RQ200	63A	HSK63A - HKD 8 - 155	0.3 - 8.0	187	155	37	48	-
RQ201		HSK63A - HKD 13 - 175	0.3 - 13.0	207	175	50.1	50.1	-

* Supplied with HEX. wrench.
(Size HKD 8 : 4mm, HKD 13 : 6mm)

- Hydraulic Chuck
- Shrink Fit Holder
- End Mill Holder & Side Lock Arbor
- ER Collet Chuck
- SK Slim Chuck
- TG Collet Chuck
- Power Milling Chuck
- Morse Taper Arbor
- Tapping Chuck
- One Step Tapping Chuck
- Shell Mill Arbor
- NC Drill Chuck
- Jacobs Taper Arbor
- Stub Arbor
- Slitting Saw Arbor
- Accessory
- Technical Information

YG-1 ROTARY TOOLING

JACOBS TAPER ARBOR



JACOBS TAPER ARBOR

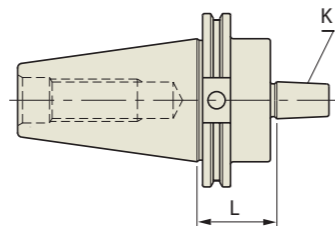
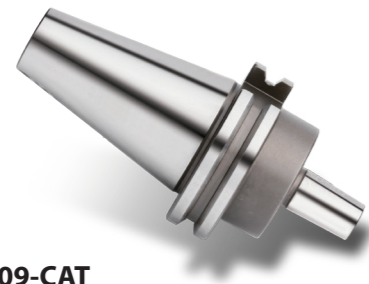
CAT : ASME B5.50-2009

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

JACOBS TAPER ARBOR

CAT

JACOBS TAPER ARBOR



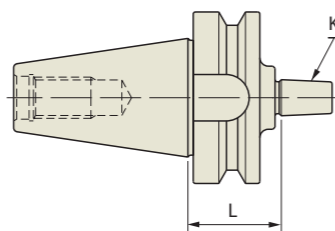
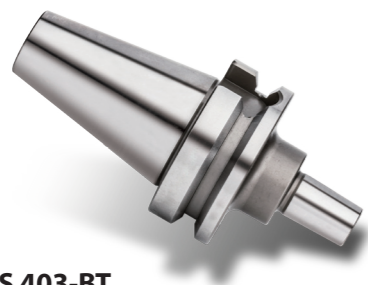
ASME B5.50-2009-CAT

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	1.50
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

BT

JACOBS TAPER ARBOR



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	1.80
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

YG-1 ROTARY TOOLING

STUB ARBOR



STUB ARBOR

CAT : ASME B5.50-2009

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

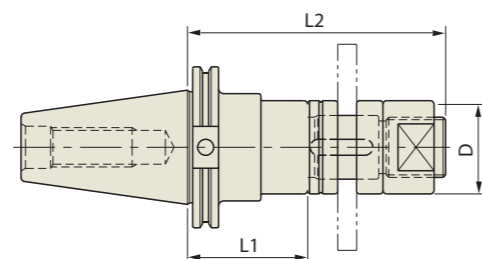
ACCESSORY & PARTS

NUT, KEY, SPACER

STUB ARBOR

CAT

STUB ARBOR



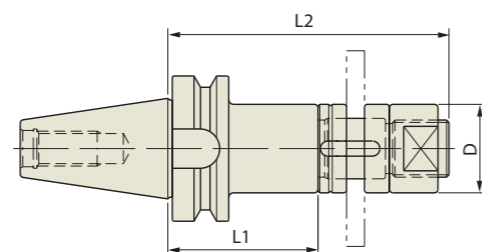
ASME B5.50-2009-CAT

STANDARD

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

BT

STUB ARBOR



JIS B6339/MAS 403-BT

STANDARD

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 D201.

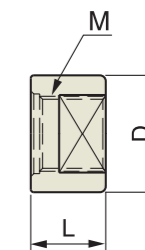
STUB ARBOR

PART

NUT

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

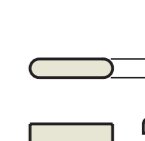
Unit : inch



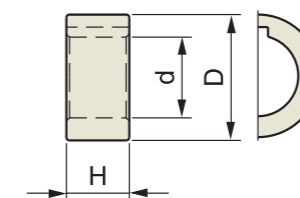
KEY

EDP No.	SERIES	B
ZZ042	STUB 1	.250
ZZ047	STUB 1 1/4	.312
ZZ054	STUB 1 1/2	.375

Unit : inch



SPACER



EDP No.	TYPE	H	D	d	SERIES
ZZ043	1/4 - SPACER	.250	1.56	1.00	STUB 1
ZZ044	3/8 - SPACER	.375	1.56	1.00	STUB 1
ZZ045	3/4 - SPACER	.750	1.56	1.00	STUB 1

Unit : inch

EDP No.	TYPE	H	D	d	SERIES
ZZ048	1/4 - SPACER	.250	1.87	1.25	STUB 1 1/4
ZZ049	3/8 - SPACER	.375	1.87	1.25	STUB 1 1/4
ZZ050	3/4 - SPACER	.750	1.87	1.25	STUB 1 1/4

EDP No.	TYPE	H	D	d	SERIES
ZZ037	1/4 - SPACER	.250	2.12	1.50	STUB 1 1/2
ZZ038	3/8 - SPACER	.375	2.12	1.50	STUB 1 1/2
ZZ039	3/4 - SPACER	.750	2.12	1.50	STUB 1 1/2

Hydraulic Chuck

Shrink Fit Holder

End Mill Holder & Side Lock Arbor

ER Collet Chuck

SK Slim Chuck

TG Collet Chuck

Power Milling Chuck

Morse Taper Arbor

Tapping Chuck

One Step Tapping Chuck

Shell Mill Arbor

NC Drill Chuck

Jacobs Taper Arbor

Stub Arbor

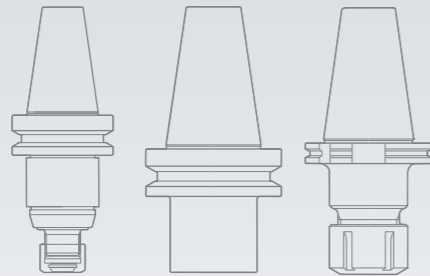
Slitting Saw Arbor

Accessory

Technical Information



Global Cutting Tool Leader **YG-1**



ROTARY TOOLING

YG-1 ROTARY TOOLING

SLITTING SAW ARBOR

SLITTING SAW ARBOR

CAT : ASME B5.50-2009

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

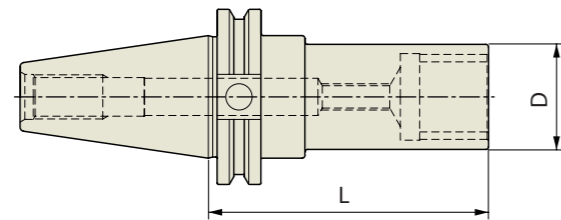
ACCESSORY & PARTS

CAP

YIG SLITTING SAW
ARBOR

CAT

SLITTING SAW ARBOR



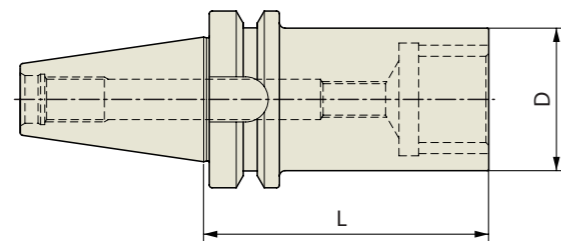
STANDARD

Unit : inch

EDP No.	TAPER No.	MODEL No.	CUTTER SIZE I.D	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

BT

SLITTING SAW ARBOR



STANDARD

Unit : inch

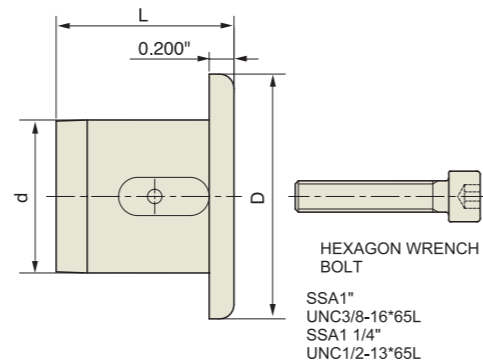
EDP No.	TAPER No.	MODEL No.	CUTTER SIZE I.D	L	D
QH014	40	BT40 - SSA 1 - 4.00	1.000	4.00	1.50
QH017		BT40 - SSA 1 1/4 - 4.00	1.250	4.00	2.00

SSA

CAP

EDP No.	TYPE	L	D	d
ZZ051	SSA 1	1.02	1.50	1.00
ZZ053	SSA 1 1/4	1.30	2.00	1.25

Unit : inch



YG-1 ROTARY TOOLING

ACCESSORY



PULL STUD

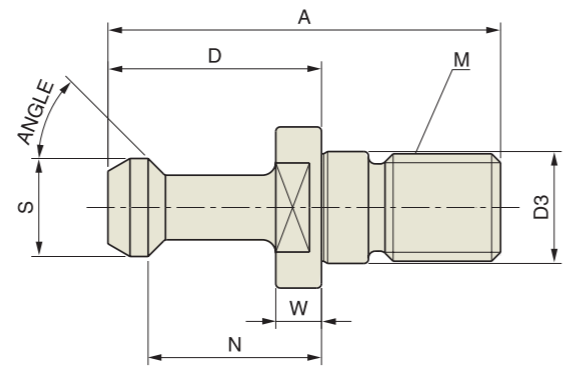
TOOL CLAMP

COOLANT TUBE



YIG PULL STUD & TOOL CLAMP

PULL STUD



Unit : inch

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

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

YIG PULL STUD & TOOL CLAMP

TCT

TOOL CLAMP

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

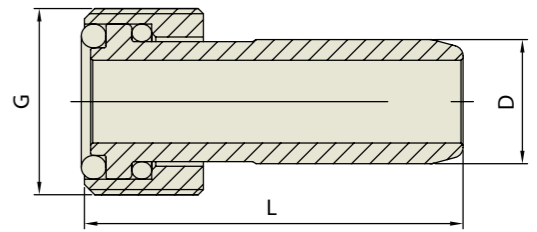
* Available in all tapers.

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



CT

COOLANT TUBE



Unit : mm

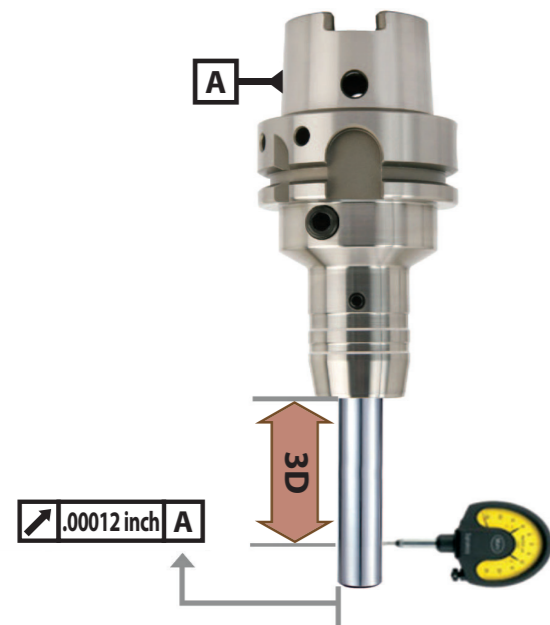
EDP No.	TAPER No.	G	L	D
CT320	HSK32A	M10x1.0	26.0	6
CT400	HSK40A	M12x1.0	29.1	8
CT500	HSK50A	M16x1.0	32.9	10
CT630	HSK63A	M18x1.0	36.6	12
CT100	HSK100A	M24x1.5	43.9	16

Hydraulic Chuck
 Shrink Fit Holder
 End Mill Holder & Side Lock Arbor
 ER Collet Chuck
 SK Slim Chuck
 TG Collet Chuck
 Power Milling Chuck
 Morse Taper Arbor
 Tapping Chuck
 One Step Tapping Chuck
 Shell Mill Arbor
 NC Drill Chuck
 Jacobs Taper Arbor
 Stub Arbor
 Slitting Saw Arbor
 Accessory
 Technical Information

Hydraulic Chuck
 Shrink Fit Holder
 End Mill Holder & Side Lock Arbor
 ER Collet Chuck
 SK Slim Chuck
 TG Collet Chuck
 Power Milling Chuck
 Morse Taper Arbor
 Tapping Chuck
 One Step Tapping Chuck
 Shell Mill Arbor
 NC Drill Chuck
 Jacobs Taper Arbor
 Stub Arbor
 Slitting Saw Arbor
 Accessory
 Technical Information

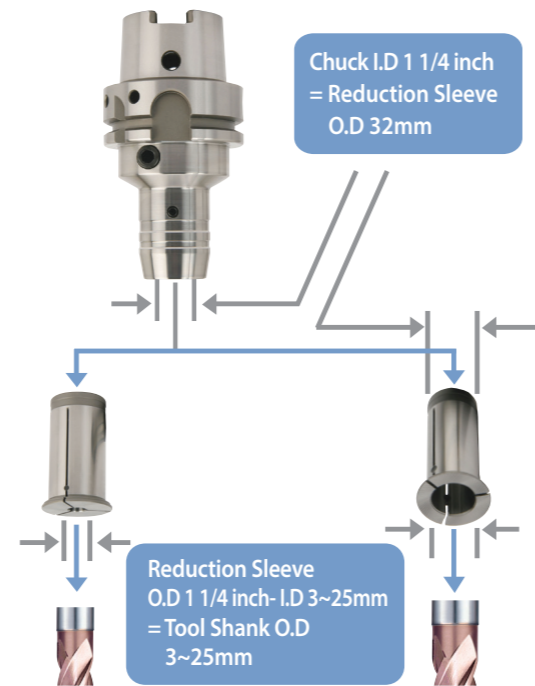
HYDRAULIC CHUCK

- **High precision T.I.R :**
 $\leq .00012$ inch (Without Reduction Sleeve)

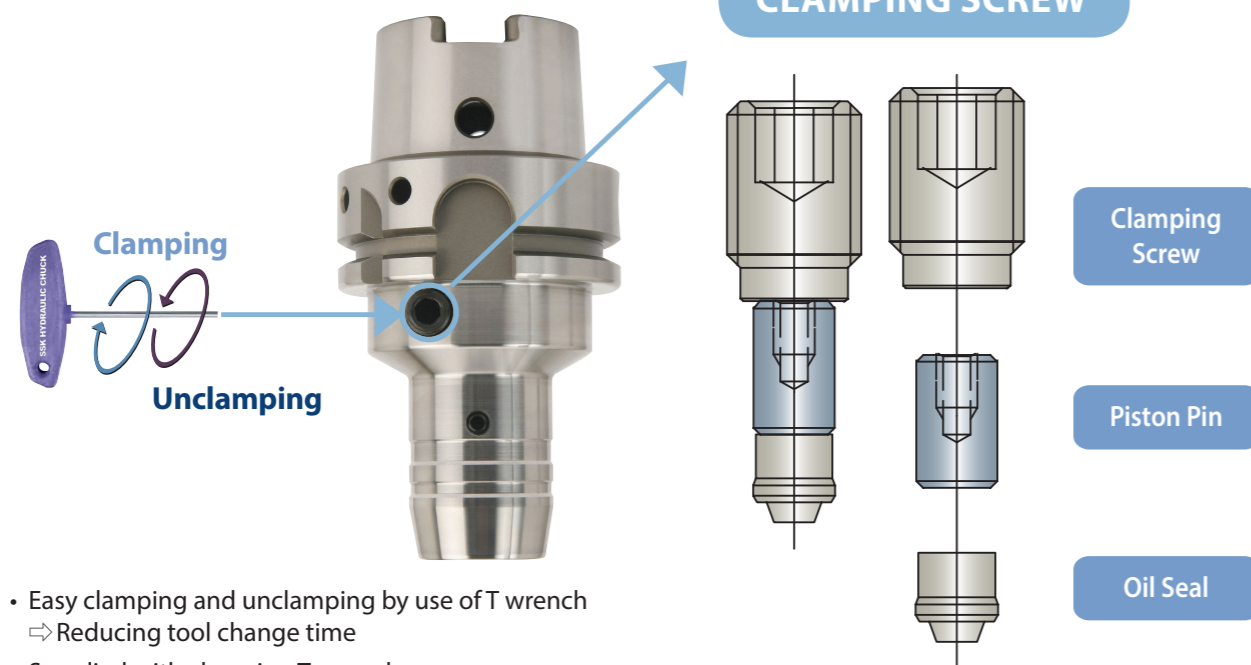


- Less than 0.003mm T.I.R
 \Rightarrow Suitable for High Speed precision machining

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



- **Easy Tool Change**



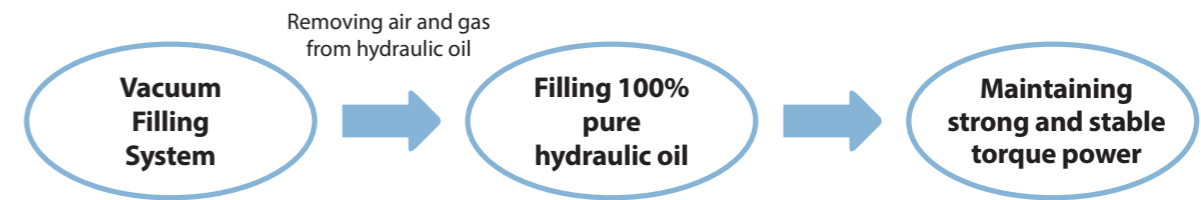
- Easy clamping and unclamping by use of T wrench
 \Rightarrow Reducing tool change time
- Supplied with clamping T-wrench.

HYDRAULIC CHUCK

- **Strong Torque Power**

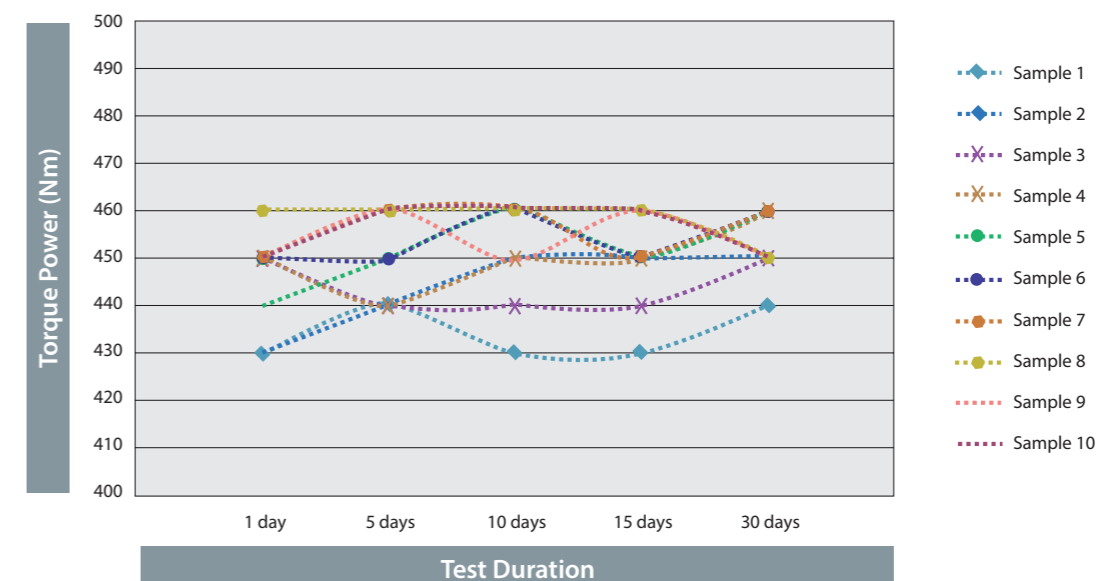
Hydraulic Chuck I.D (mm)	Tool Shank O.D (mm)	Applicable RPM	Minimum Clamping Depth (mm)		Min. Torque Power (Nm)	
			Standard	Power E Hydro	Standard	Power E Hydro
6	6	40,000	27		16	
8	8	40,000	27		23	
10	10	40,000	32		45	
12	12	40,000	37	41	90	110
14	14	40,000	37		110	
16	16	40,000	42		185	
18	18	40,000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

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



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

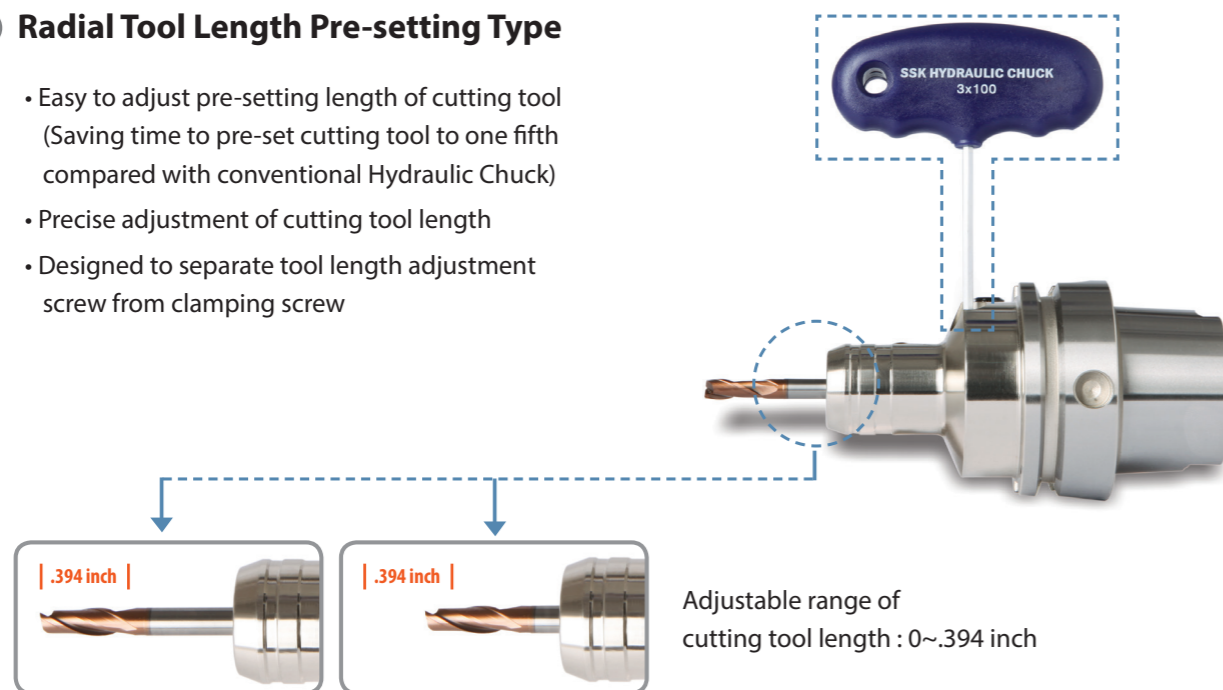
- Test Model : BT40 AD/B-HC 20-90
- No oil leakage for long period \Rightarrow Maintaining stable torque power



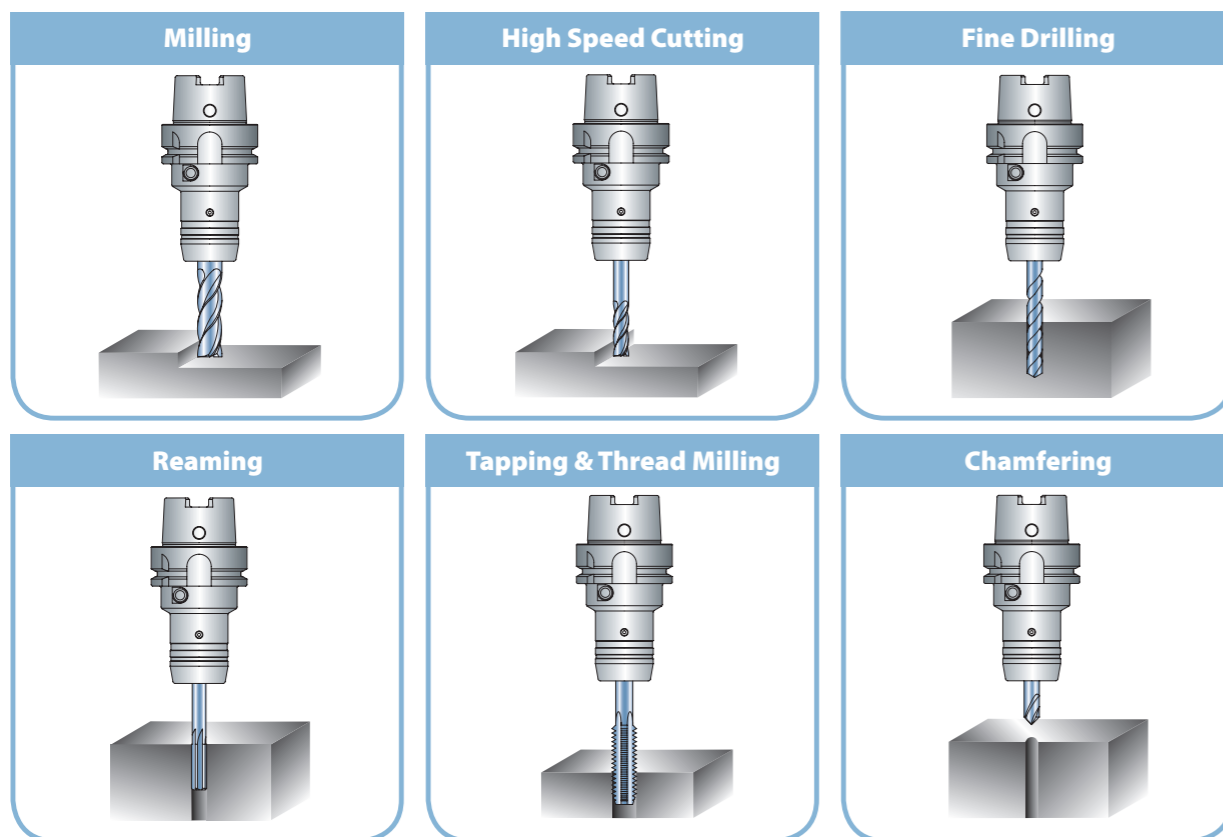
HYDRAULIC CHUCK

Radial Tool Length Pre-setting Type

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

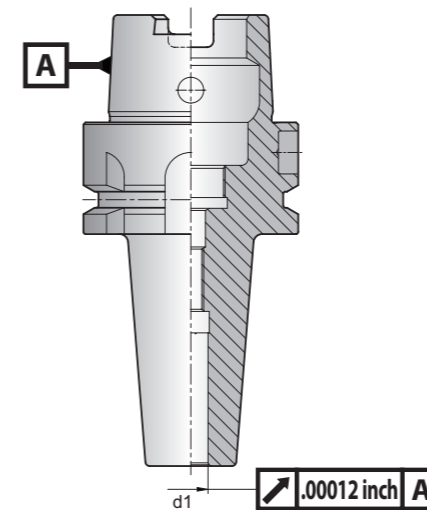


Application



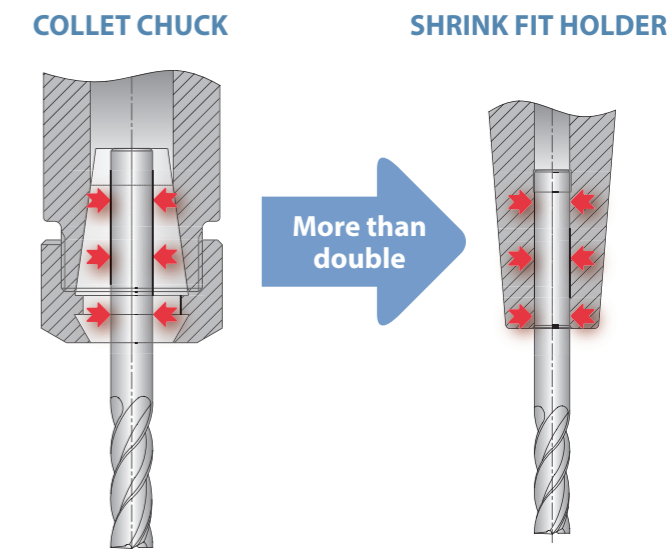
SHRINK FIT HOLDER

High Precision I.D
Run-Out : $\leq .00012$ inch



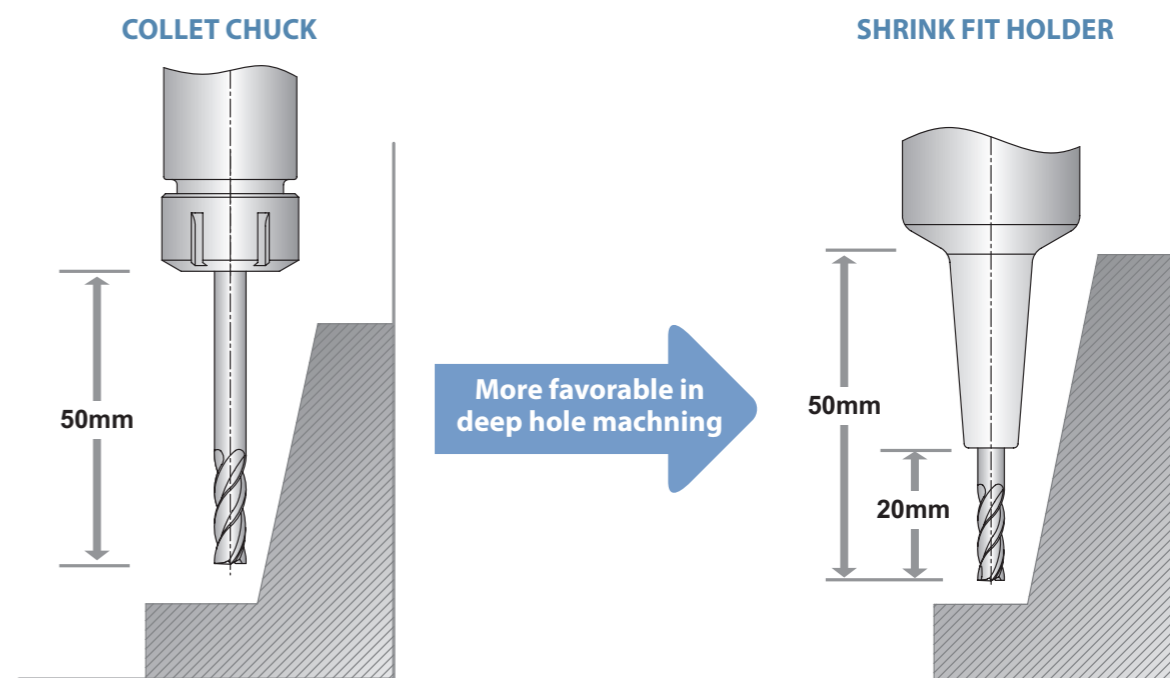
- Less than .00012 inch of Tool Holder accuracy at I.D

Strong and Consistent Torque Power



- Achieving strong torque power by integration of chuck and tool

Deep hole Machining



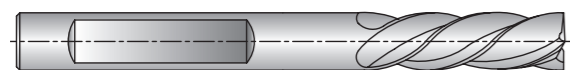
SHRINK FIT HOLDER

● **Shank Type of Cutting Tool**

STRAIGHT SHANK

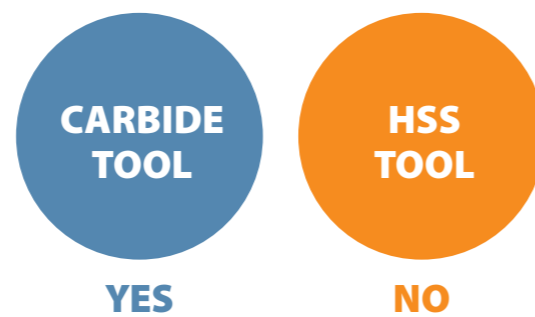


ONE WELDON FLAT SHAFT TYPE



• One Weldon flat shaft type tool is usable, but there is a possibility that the I.D of Shrink Fit Holder may be deformed.

● **Material of Cutting Tool**



● **Application**

<p>Rough Milling</p>	<p>Finish Milling</p>	<p>High Speed Cutting</p>
<p>Drilling</p>	<p>Reaming</p>	<p>Countersinking</p>

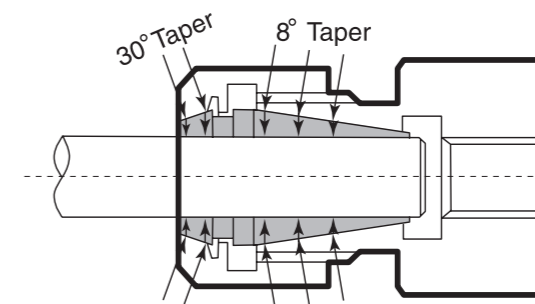
ER COLLET CHUCK

● **Feature**

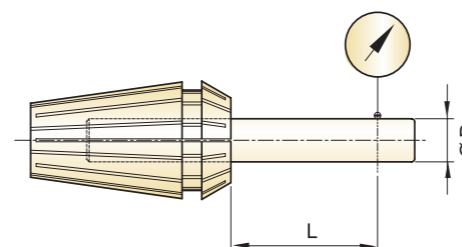
- Powerful chucking, high precision and easy operation
- Precise machining is stably maintained without chattering in High Speed rotation.
- Due to nut designed with small bore, interference with work piece can be minimized and it enables speedy operation.
- Various nuts can be selected and used according to usage.
- Unlike single taper, double taper has long chucking part providing excellent torque power.

● **Strong Torque Power**

- Longer clamping part of double taper collet provides stronger torque power.
- Stronger torque power can be achieved if ball bearing nut is used.



● **Standard Precision**



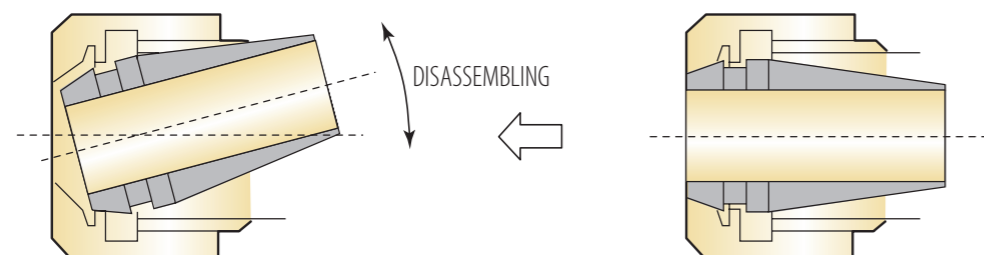
Unit : inch		
D	L	Max. T.I.R (STD.)
Φ0.039 ~ Φ0.063	.236	.000591
Φ0.063 ~ Φ0.118	.394	.000591
Φ0.118 ~ Φ0.236	.630	.000591
Φ0.236 ~ Φ0.394	.984	.000591
Φ0.394 ~ Φ0.709	1.575	.000787
Φ0.709 ~ Φ1.024	1.969	.000787
Φ1.024 ~ Φ1.339	2.362	.000787

- By using high precision collet, excellent T.I.R can be achievable
- With fine cutting of 16 sections, it has excellent contractile force, which makes higher precision can be achieved

ER COLLET CHUCK

Easy Assembling & Disassembling

- For assembling or disassembling of collet, first gently insert groove part of collet into eccentrical portion inside nut, and fasten it to same direction as screw or loosen it reversely.
- Notice : In case of $\varnothing 12.2\text{mm}$ tool, don't use $\varnothing 12\sim 11\text{mm}$ collet.
But use collet with $\varnothing 12.5\sim 11.5\text{mm}$. (In case of general cutting process, $\varnothing 13\sim 12\text{mm}$ collet is usable)



Recommended Tightening Torque for the Collet Nut

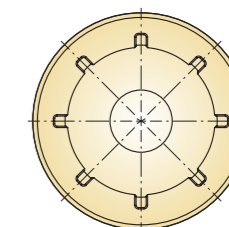
Collet Chuck Size	Clamping Range (inch)	Max. Tightening Torque (ft-lb)	Collet Chuck Size	Clamping Range (inch)	Max. Tightening Torque (ft-lb)
ER11	.039 ~ .114	5.9	ER25	.039 ~ .138	17.7
	.118 ~ .276	17.7		.157 ~ .177	41.3
ER16	.039	5.9		.197 ~ .295	59.0
	.059 ~ .138	14.8		.315 ~ .669	76.7
	.157 ~ .177	29.5	ER32	.079 ~ .098	17.7
.197 ~ .394	41.3	.118 ~ .866		100.3	
ER20	.039	11.8	ER40	.118 ~ 1.024	129.8
	.059 ~ .256	23.6	ER50	.236 ~ 1.417	177.0
	.276 ~ .512	59.0			

Recommended Tightening Torque for the Collet Nut (For Slim Type)

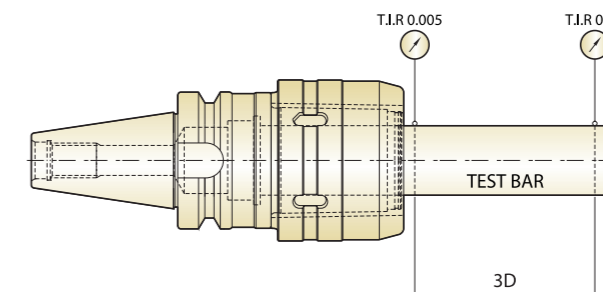
Collet Chuck Size	Clamping Range (inch)	Max. Tightening Torque (ft-lb)	Collet Chuck Size	Clamping Range (inch)	Max. Tightening Torque (ft-lb)
ER8M	.008 ~ .197	4.4	ER20M	.039	11.8
ER11M	.008 ~ .114	5.9		.059 ~ .512	20.7
	.118 ~ .276	11.8	ER25M	.039 ~ .138	13.3
ER16M	.008 ~ .039	5.9		.157 ~ .669	17.7
	.059 ~ .138	14.8			
	.157 ~ .394	17.7			

POWER MILLING CHUCK

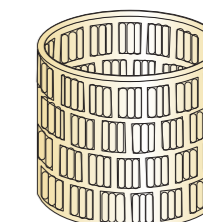
- Rigidity is strengthened through slot made at inside milling chuck, which prevents deformation of milling chuck. Smooth cutting is achieved by maximizing end mill clamping power.
- Enough thickness of clamping part prevents chattering and ensures durability.



- High precision can be achieved through accurate roundness of clamping part, deburred surface and rigidity. (deviation of concentricity : below 2, roughness : below RZ B1.0~1.5)
- Maintaining T.I.R not exceeding .000394" at 3D from nose part.



- 160% more of bearings are used in needle roller than other make's chucks, which provides strong clamping power and high durability by dispersing surface pressure even in case strong load is applied.



In order to improve durability, YG-1 Milling Chuck is passed through following processes.

- "Normalizing" treatment for unifying material composition and removal internal stress.
- Ultralow temperature (-90°C) treatment called "Sub-Zero treatment" after carburizing heat treatment for prior removal of any deformation of milling chuck after use for long periods of time.

POWER MILLING CHUCK

Feature

High Speed POWER MILLING CHUCK

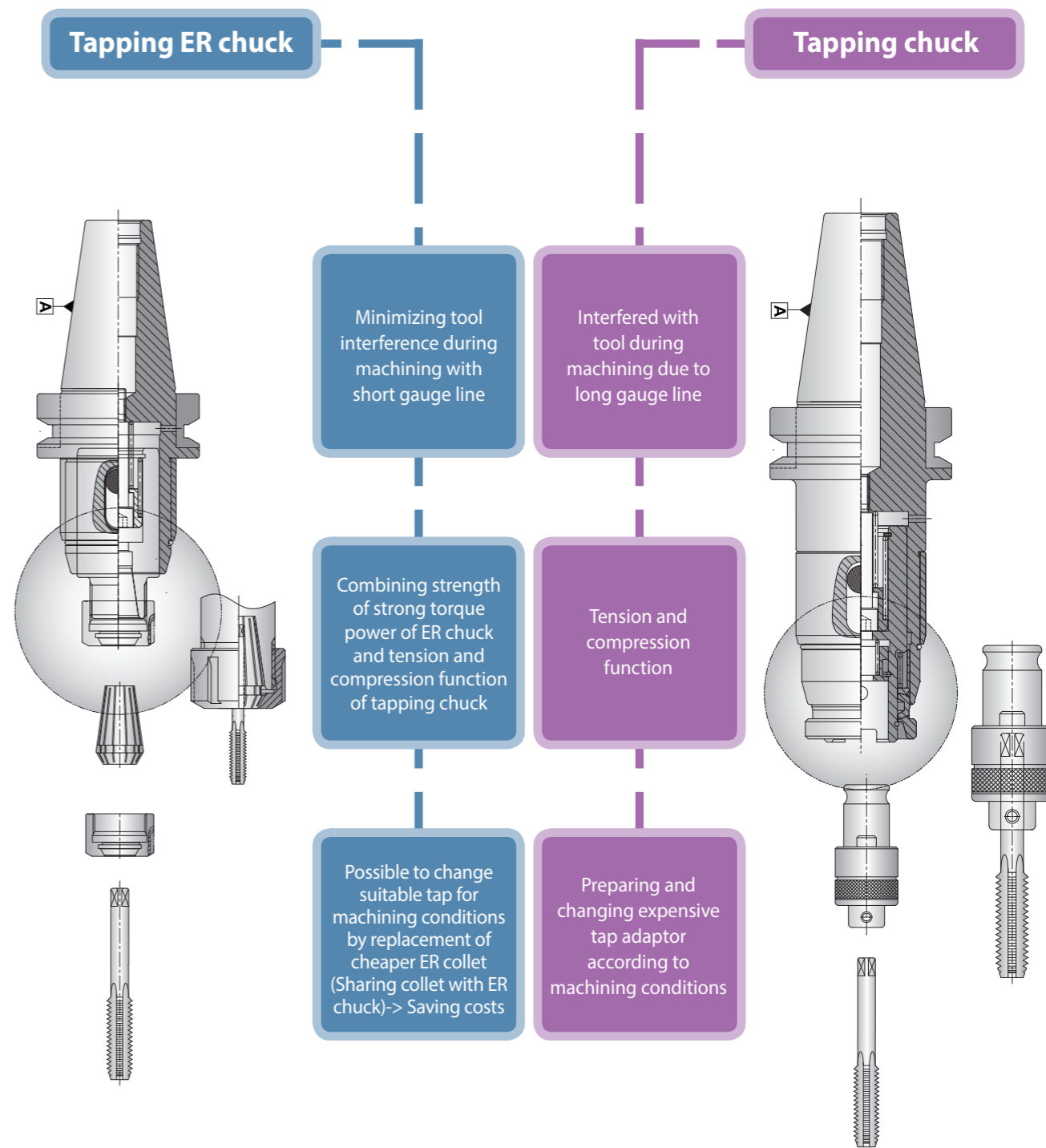
- Achieving optimum cutting for High Speed heavy duty cutting and finishing with strong torque power
- Perfect clamping from .118 inch depth of I.D entrance
- Achieving stability when exchanging and setting tools by stable fastening and unfastening torque



Strong Torque Power

Milling chuck (I.D)	Standard	Tolerance (Taper Shank)	Run-Out	Clamping Torque
C 3/4	AT3	ISO 30 (0 ~ +.00008)	.00039 inch at 3D	722.8 ft-lb
C 1		ISO 40 (0 ~ +.00012)		1298.1 ft-lb
C 1 1/4		ISO 50 (0 ~ +.00016)		2529.8 ft-lb

TAPPING ER CHUCK & TAPPING CHUCK



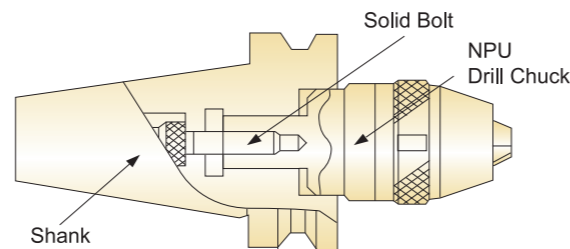
NC DRILL CHUCK

Feature

YG-1 Drill Chuck is completely tightened with solid bolt, and there is no danger of falling during rotating or cutting.

High Precision

• Drill chuck with excellent high precision (T.I.R .00197 inch) and shank are integrated, which guarantees excellent T.I.R



Strong Chucking Power

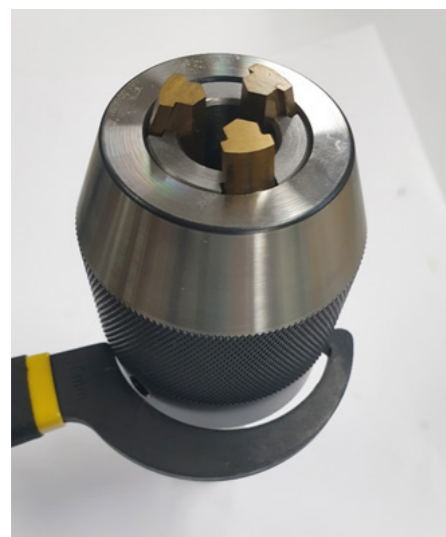
Drill may be damaged due to reverse thrust during perforation, but with YG-1 Drill Chuck strongly tightened with wrench, there is no possibility of damage to drill.

Safety

YG-1 NC Drill Chuck with strong rigidity contributes to factory automation by unmanned operation by preventing accident from occurring during operation.

- Falling of drill occurring by sudden stopping
- Falling of drill occurring by rapid rotation
- Damage to drill caused by reverse thrust during perforation process

Clamping Method



▲ Keyless Type



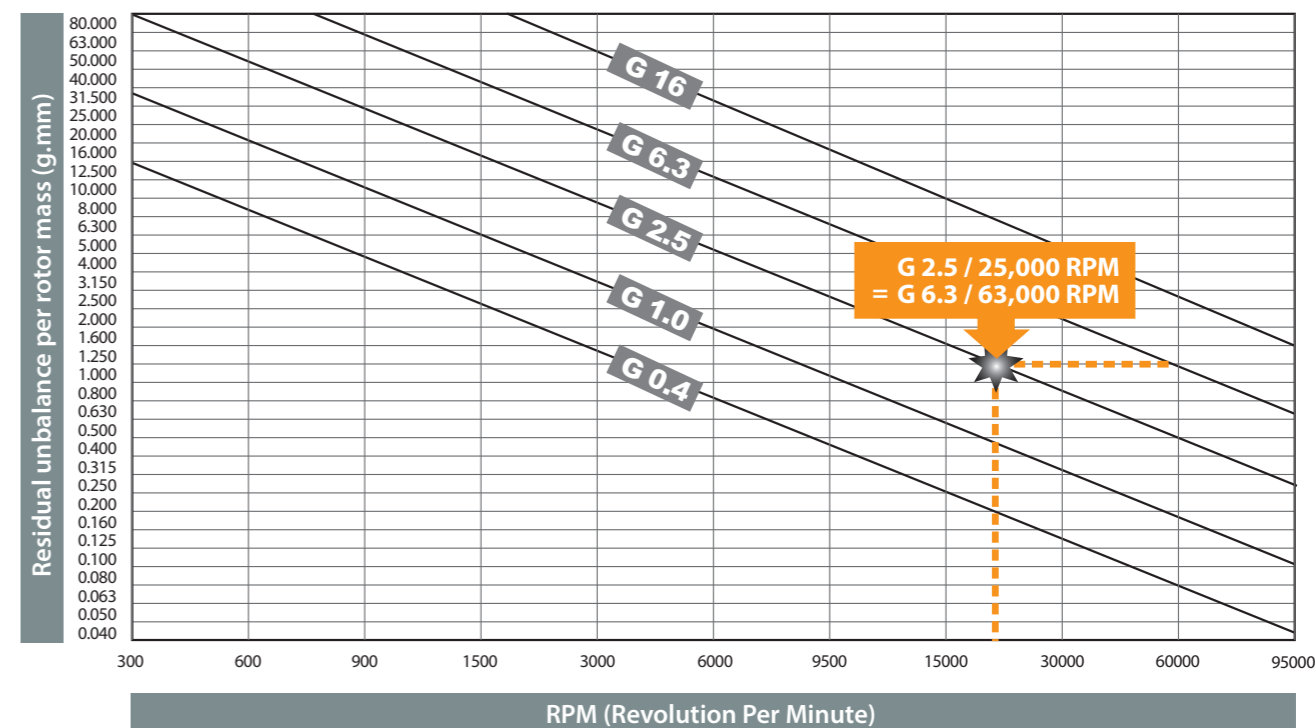
▲ Hex. Key Type

BALANCING

Definition of Balancing and Unbalancing

If the rotor(tool holder) is rotated around the axis, centrifugal forces generate in all parts. If these centrifugal forces are distributed symmetrically against the rotation axis, the centrifugal forces generating in the opposite direction are offset by one another, resulting in no forces to the rotation axis eventually. Therefore bearings are not vibrated. In this case tool holder is in the balanced state. On the contrary, if centrifugal forces are distributed asymmetrically against the rotation axis, or if the force of one part is greater than that of the opposite part, the forces equivalent to differences are added to the rotation axis, causing the rotor(tool holder) to vibrate. The imbalance of distribution of rotor mass is called "Unbalance". In other words, "Unbalance" is mass existing unevenly in the rotor(tool holder).

Balancing Grade Quality According to DIN ISO 1940



Calculation of G $\frac{G \times m}{RPM} \times 9549 = U$

G : Balancing grade or circumference speed

m : Rotor(Holder) weight ⇒ Unit : kg

9549 : Conversion constant

U : Degree of unbalance (Permissible unbalance) ⇒ Unit : g.mm

RPM : Revolutions Per Minute

BALANCING

Merits of Balanced Machining

Recently, rotating machines are more sophisticated and operated at High Speed with the technical advance. Also, they require more efficiency and more stable functions which are stricter conditions than ever before. In High Speed machining, one of the largest factors which degrade performance of machines is chattering. It causes workers to suffer displeasure, noise, and fatigue which are main problems affecting productivity. Balancing of the rotor(tool holder) is the essential and effective factor in order to prevent vibration of the machine. It is widely recognized as the indispensable process in manufacturing rotation machinery. YG-1 manufactures tool holders with various balancing grades meeting the needs of users.

YG-1 Balancing Grade Standard

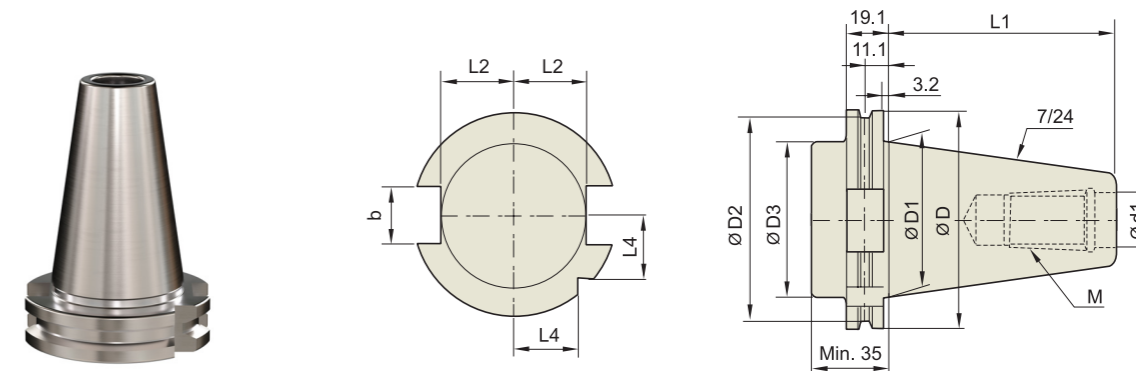


YG-1 Balancing Specification for Balancing Design Products

PRODUCT	SHANK	GRADE	RPM
HYDRAULIC CHUCK	BT/CBT 30/40/50 SK 30/40/50 HSK 32/40/50/63/80/100	G 2.5	25,000
SHRINK FIT HOLDER	BT/CBT 30/40/50 SK 30/40/50 HSK 25/32/40/50/63/80/100 ISO 25	G 2.5	25,000
OTHER CHUCKS & TOOL HOLDERS	BT/CBT 30/40/50 SK 30/40/50 HSK 25/32/40/50/63/80/100 ISO 20/25	G 6.3 G 2.5	15,000 25,000

※ Higher Balancing Grade Product Could Be Supplied Upon Customer's Request.

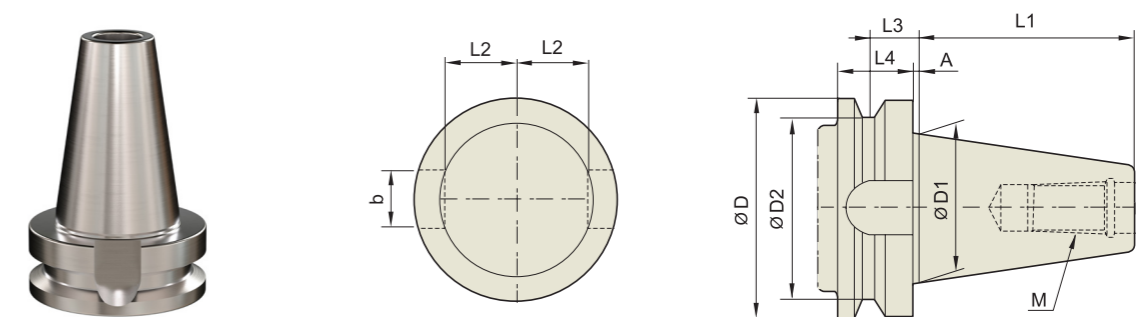
SHANK DATA - DIN 69871 (ISO 7388-1)



Unit : mm

TAPER No.	ØD	ØD1	ØD2	ØD3	Ød1	L1	L2	L3	L4	b	M
SK30	50	31.75	44.3	45	13	47.8	16.4	19	15	16.1	M12×1.75
SK40	63.55	44.45	56.25	50	17	68.4	22.8	25	18.5	16.1	M16×2.0
SK50	97.5	69.85	91.25	80	25	101.75	35.5	37.7	30	25.7	M24×3.0

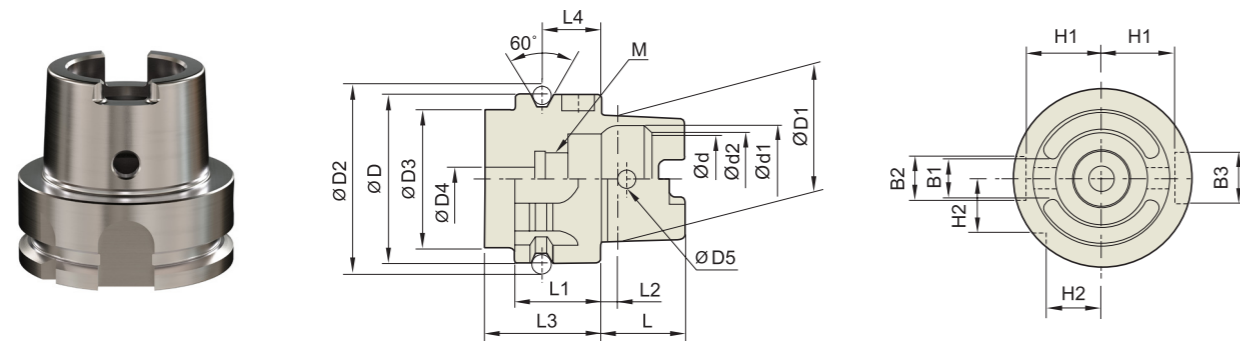
SHANK DATA - JIS B6339/MAS 403 (ISO 7388-2)



Unit : mm

TAPER No.	ØD	ØD1	ØD2	Ød1	L1	L2	L3	L4	A	b	M
BT30	46	31.75	38	12.5	48.4	16.3	13.6	20	2	16.1	M12×1.75
BT40	63	44.45	53	17	65.4	22.6	16.6	25	2	16.1	M16×2
BT50	100	69.85	85	25	101.8	35.4	23.2	35	3	25.7	M24×3
BT60	155	107.95	135	31	161.8	60.1	28.2	45	3	25.7	M30×3.5

SHANK DATA - DIN 69893/ISO 12164



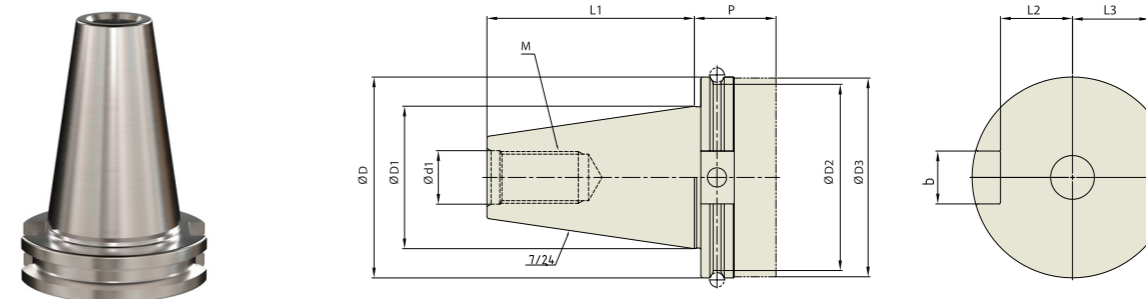
Unit : mm

TAPER No.	ØD	ØD1	ØD2	ØD3	ØD4	ØD5	L	L1	L2	L3	L4
HSK32A	32	24	37.00	26	4.2	4.0	16	20	3.2	35	16
HSK40A	40	30	45.00	34	5.0	4.6	20	20	4.0	35	16
HSK50A	50	38	59.30	42	6.8	6.0	25	26	5.0	42	18
HSK63A	63	48	72.30	53	8.4	7.5	32	26	6.3	42	18
HSK80A	80	60	88.8	68	10.2	8.5	40	26	8	42	18
HSK100A	100	75	109.75	88	12.0	12.0	50	29	10.0	45	20

Unit : mm

TAPER No.	Ød	Ød1	Ød2	B1	B2	B3	H1	H2	L4
HSK32A	17	20.5	19	7.05	7	9	13.0	9.5	M10×1.0
HSK40A	21	25.5	23	8.05	9	11	17.0	12.0	M12×1.0
HSK50A	26	32.0	29	10.54	12	14	21.0	15.5	M16×1.0
HSK63A	34	40.0	37	12.54	16	18	26.5	20.0	M18×1.0
HSK80A	42	50	46	16.04	18	20	34	25	M20×1.5
HSK100A	53	63.0	58	20.02	20	22	44.0	31.5	M24×1.5

ASME B5.50



ASME B5.50-CAT (OLD : 1978)

Unit : mm

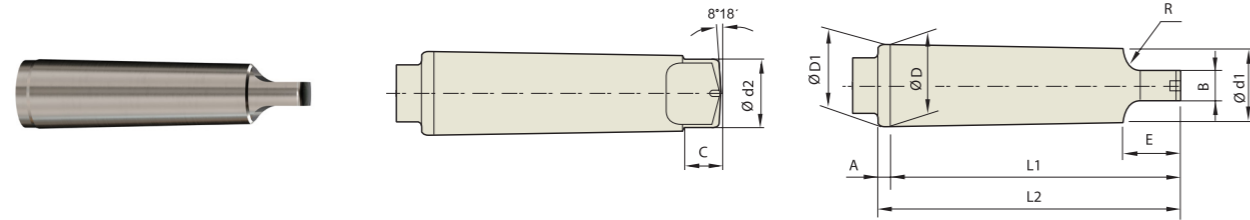
TAPER No.	ØD	ØD1	ØD2	ØD3	Ød1	L1	L2	L3	b	P	M
CAT30	50	31.75	44.3	31.75	13	47.625	16.25	18.67	16.1	-	UNC1/2-13
CAT40	63.55	44.45	56.25	44.45	17	68.25	22.6	25	16.1	-	UNC5/8-11
CAT50	97.5	69.85	91.25	70.1	25	101.6	35.3	37.7	25.7	-	UNC1-18
CAT60	155	107.95	132.56	108	32	161.93	54	59.3	25.7	-	UNC1 1/4-7

ASME B5.50-CAT (NEW : Revision 2009)

Unit : mm

TAPER No.	ØD	ØD1	ØD2	ØD3	Ød1	L1	L2	L3	b	P	M
CAT30	46.02	31.75	38.89	46.02	13.1	47.625	16.25	18.67	16.38	-	UNC1/2-13
CAT40	63.5	44.45	56.36	63.5	16.3	68.25	22.6	25	16.38	-	UNC5/8-11
CAT50	98.43	69.85	91.29	98.43	26.2	101.6	35.3	37.7	25.91	-	UNC1-18
CAT60	139.7	107.95	132.56	139.7	32.5	161.93	54.4	56.7	25.91	-	UNC1 1/4-7

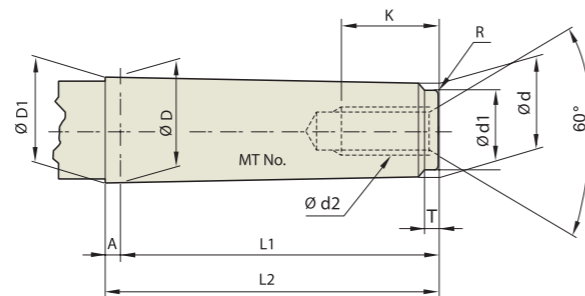
DIN 228



DIN 228 (MORSE TAPER) TANG TYPE (MTA)

Unit : mm

TAPER No.	TAPER RATIO (Rad)	TAPER ANGLE (α)	ØD	A	ØD1	Ød1	L1	L2	Ød2	B	C	E	R
MT0	1/19.212	1°29'27"	9.045	3	9.045	6.104	56.5	59.5	6.0	3.9	6.5	10.5	4
MT1	1/20.047	1°25'43"	12.065	3.5	12.065	8.972	62.0	65.5	8.7	5.2	8.5	13.5	5
MT2	1/20.020	1°25'50"	17.780	5	17.780	14.034	75.0	80.0	13.5	6.3	10	16	6
MT3	1/19.922	1°26'16"	23.825	5	23.825	19.107	94.0	99.0	18.5	7.9	13	20	7
MT4	1/19.254	1°29'15"	31.267	6.5	31.267	25.164	117.5	124.0	24.5	11.9	16	24	8
MT5	1/19.002	1°30'26"	44.399	6.5	44.399	36.531	149.5	156.0	35.7	15.9	19	29	10
MT6	1/19.180	1°29'36"	63.348	8	63.348	52.399	210.0	218.0	51.0	19.0	27	40	13
MT7	1/19.231	1°29'22"	83.058	10	83.058	68.186	286.0	296.0	66.8	28.6	35	54	19



DIN 228 (MORSE TAPER) SCREW TYPE (MTB)

Unit : mm

TAPER No.	TAPER RATIO (Rad)	TAPER ANGLE (α)	ØD	A	ØD1	d	L1	L2	Ød1	d2	K	T	R
MT0	1/19.212	1°29'27"	9.045	3	9.201	6.442	50	53	6.4	-	-	4	0.2
MT1	1/20.047	1°25'43"	12.065	3.5	12.230	9.396	53.5	57	9.4	M6	16	5	0.2
MT2	1/20.020	1°25'50"	17.780	5	18.030	14.583	64	69	14.6	M10	24	5	0.2
MT3	1/19.922	1°26'16"	23.825	5	24.076	19.759	81	86	19.8	M12	28	7	0.6
MT4	1/19.254	1°29'15"	31.267	6.5	31.605	25.943	102.5	109	25.9	M16	32	9	1
MT5	1/19.002	1°30'26"	44.399	6.5	44.741	37.584	129.5	136	37.6	M20	40	9	2.5
MT6	1/19.180	1°29'36"	63.348	8	63.765	53.859	182	190	53.9	M24	50	12	4
MT7	1/19.231	1°29'22"	83.058	10	83.578	70.058	250	260	70.0	M33	80	18.5	5

TECHNICAL INFORMATION (T.I.R and TOLEARANCE)

● **T.I.R (Total Indicated Run-out)**

HYDRAULIC CHUCK

Concentric to .00012 T.I.R (at 3D)

SHRINK FIT HOLDER

Concentric to .00012 T.I.R (at I.D)

ER COLLET CHUCK

Concentric to .00012 T.I.R (at I.D)

END MILL HOLDER

Concentric to .00012 T.I.R (at I.D)

SLITTING SAW ARBOR

Face perpendicular to taper within .00012 T.I.R (at I.D)

STUB ARBOR

Face perpendicular to taper within .00012 T.I.R (at I.D)

SHELL MILL ARBOR

Face perpendicular to taper within 0.0001" T.I.R
Out diameter to taper within .00012 T.I.R

MORSE & JACOBS TAPER ARBOR

Concentric to .0003 T.I.R

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

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

TAPER	AT3
#30	.000078
#40	.00012
#50	.00016

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

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