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YU-YB25

YIG
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ROTARY TOOL HOLDERS





Rotary Tool Holders Solutions for General Purpose Applications

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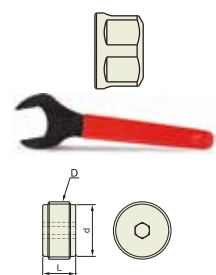
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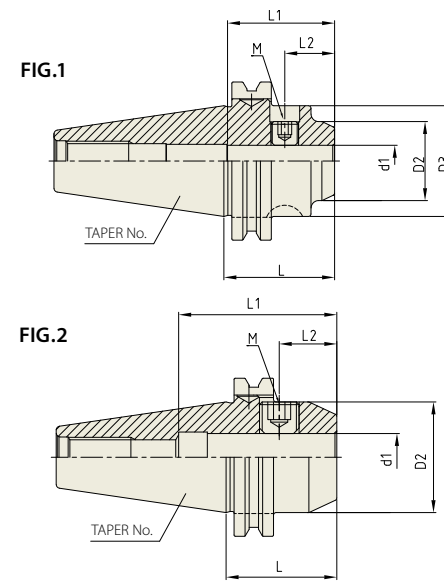
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END MILL HOLDER

CAT



ASME B5.50-2009-CAT

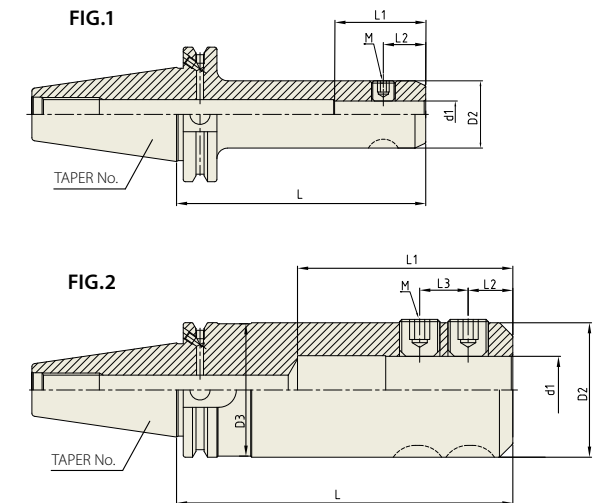
• STUB

Unit : inch

EDP No.	Taper No.	Model No.	d1	D2	D3	L	L1	L2	M	Fig.
AK206X	40	CAT40 - EMH 1/2 - 1.75	0.500	1.250	1.750	1.750	1.690	0.790	UNF7/16-20 3/8L	1
AK208X		CAT40 - EMH 5/8 - 1.75	0.625	1.500	1.750	1.750	1.930	0.880	UNF1/2-20 1/2L	1
AK210X		CAT40 - EMH 3/4 - 1.75	0.750	1.750	-	1.750	2.050	0.910	UNF5/8-18 1/2L	2
AK214X		CAT40 - EMH 1.0 - 1.75	1.000	1.750	-	1.750	2.170	0.830	UNF3/4-16 3/8L	2
AK217X		CAT40 - EMH 1 1/4 - 2.00	1.250	2.250	-	2.000	2.220	0.830	UNF3/4-16 1/2L	2

END MILL HOLDER

CAT



ASME B5.50-2009-CAT

• STANDARD

Unit : inch

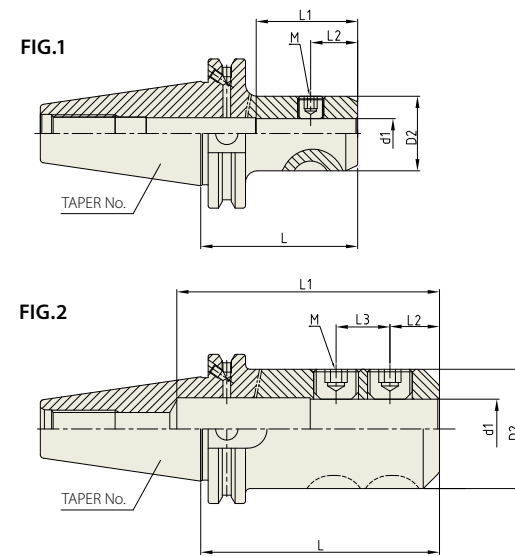
EDP No.	Taper No.	Model No.	d1	D2	D3	L	L1	L2	L3	M	Fig.
AK000BX	40	CAT40 AD/B - EMH 1/8 - 2.50	0.125	0.690	-	2.500	0.591	0.295	-	UNC#8-32 1/4L	1
AK001BX		CAT40 AD/B - EMH 3/16 - 2.50	0.188	0.690	-	2.500	0.787	0.441	-	UNC#10-32 1/4L	1
AK002BX		CAT40 AD/B - EMH 1/4 - 2.50	0.250	0.780	-	2.500	1.299	0.598	-	UNF1/4-28 1/4L	1
AK003BX		CAT40 AD/B - EMH 5/16 - 2.50	0.313	0.880	-	2.500	1.358	0.630	-	UNF5/16-24 1/4L	1
AK004BX		CAT40 AD/B - EMH 3/8 - 2.50	0.375	1.000	-	2.500	1.417	0.630	-	UNF3/8-24 5/16L	1
AK005BX		CAT40 AD/B - EMH 7/16 - 2.50	0.438	1.130	-	2.500	1.417	0.630	-	UNF3/8-24 25/64L	1
AK006BX		CAT40 AD/B - EMH 1/2 - 2.63	0.500	1.250	-	2.630	1.693	0.787	-	UNF7/16-20 3/8L	1
AK008BX		CAT40 AD/B - EMH 5/8 - 3.75	0.625	1.500	-	3.750	3.600	0.881	-	UNF1/2-20 1/2L	1
AK010BX		CAT40 AD/B - EMH 3/4 - 3.75	0.750	1.750	-	3.750	3.900	0.909	-	UNF5/8-18 1/2L	1
AK012BX		CAT40 AD/B - EMH 7/8 - 4.00	0.875	1.880	-	4.000	4.200	0.650	0.811	UNF5/8-18 1/2L	2
AK014BX		CAT40 AD/B - EMH 1.0 - 4.00	1.000	2.000	-	4.000	4.400	0.831	0.902	UNF3/4-16 1/2L	2
AK017BX		CAT40 AD/B - EMH 1 1/4 - 4.25	1.250	2.500	2.461	4.250	4.000	0.831	0.902	UNF3/4-16 11/16L	2
AK021BX		CAT40 AD/B - EMH 1 1/2 - 4.63	1.500	2.500	2.461	4.630	3.978	0.881	1.063	UNF3/4-16 1/2L	2
AL002BX	50	CAT50 AD/B - EMH 1/4 - 2.50	0.250	0.780	-	2.500	1.299	0.598	-	UNF1/4-28 1/4L	1
AL003BX		CA50 AD/B - EMH 5/16 - 2.50	0.313	0.880	-	2.500	1.358	0.630	-	UNF5/16-24 1/4L	1
AL004BX		CAT50 AD/B - EMH 3/8 - 2.50	0.375	1.000	-	2.500	1.417	0.630	-	UNF3/8-24 5/16L	1
AL005BX		CAT50 AD/B - EMH 7/16 - 2.63	0.438	1.130	-	2.630	1.417	0.630	-	UNF3/8-24 25/64L	1
AL006BX		CAT50 AD/B - EMH 1/2 - 2.63	0.500	1.250	-	2.630	1.693	0.787	-	UNF7/16-20 3/8L	1
AL008BX		CAT50 AD/B - EMH 5/8 - 3.75	0.625	1.500	-	3.750	1.929	0.881	-	UNF1/2-20 1/2L	1
AL010BX		CAT50 AD/B - EMH 3/4 - 3.75	0.750	1.750	-	3.750	2.047	0.909	-	UNF5/8-18 1/2L	1
AL012BX		CAT50 AD/B - EMH 7/8 - 3.75	0.875	1.880	-	3.750	4.200	0.650	0.811	UNF5/8-18 1/2L	2
AL014BX		CAT50 AD/B - EMH 1.0 - 4.00	1.000	2.000	-	4.000	4.400	0.831	0.902	UNF3/4-16 1/2L	2
AL017BX		CAT50 AD/B - EMH 1 1/4 - 4.00	1.250	2.500	-	4.000	4.000	0.831	0.902	UNF3/4-16 11/16L	2
AL021BX		CAT50 AD/B - EMH 1 1/2 - 4.00	1.500	2.500	-	4.000	3.978	0.881	1.063	UNF3/4-16 1/2L	2
AL029BX		CAT50 AD/B - EMH 2.0 - 5.63	2.000	3.750	-	5.630	5.000	1.299	1.358	UNS1-14 7/8L	2



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END MILL HOLDER

CAT



ASME B5.50-2009-CAT

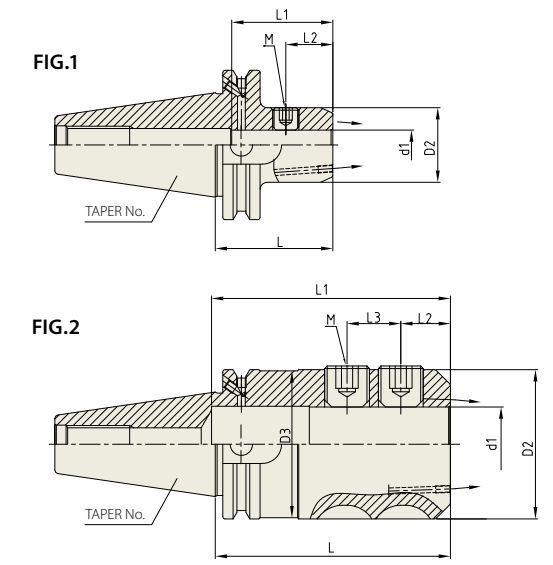
• EXTENDED

Unit : inch

EDP No.	Taper No.	Model No.	d1	D2	D3	L	L1	L2	L3	M	Fig.
AK104BX	40	CAT40 AD/B - EMH 3/8 - 4.50	0.375	1.000	-	4.500	1.417	0.630	-	UNF3/8-24 5/16L	1
AK106BX		CAT40 AD/B - EMH 1/2 - 4.63	0.500	1.250	-	4.630	1.693	0.787	-	UNF7/16-20 3/8L	1
AK108BX		CAT40 AD/B - EMH 5/8 - 5.75	0.625	1.500	-	5.750	3.600	0.881	-	UNF1/2-20 1/2L	1
AK110BX		CAT40 AD/B - EMH 3/4 - 5.75	0.750	1.750	-	5.750	3.900	0.909	-	UNF5/8-18 1/2L	1
AK112BX		CAT40 AD/B - EMH 7/8 - 6.00	0.875	1.880	-	6.000	4.200	0.650	0.811	UNF5/8-18 1/2L	2
AK114BX		CAT40 AD/B - EMH 1.0 - 6.00	1.000	2.000	-	6.000	4.400	0.831	0.902	UNF3/4-16 1/2L	2
AK117BX		CAT40 AD/B - EMH 1 1/4 - 6.25	1.250	2.500	2.461	6.250	4.000	0.831	0.902	UNF3/4-16 11/16L	2
AK121BX		CAT40 AD/B - EMH 1 1/2 - 6.63	1.500	2.500	2.461	6.630	3.978	0.881	1.063	UNF3/4-16 1/2L	2
AL104BX	50	CAT50 AD/B - EMH 3/8 - 4.50	0.375	1.000	-	4.500	1.417	0.630	-	UNF3/8-24 5/16L	1
AL106BX		CAT50 AD/B - EMH 1/2 - 4.63	0.500	1.250	-	4.630	1.693	0.787	-	UNF7/16-20 3/8L	1
AL108BX		CAT50 AD/B - EMH 5/8 - 5.75	0.625	1.500	-	5.750	3.449	0.881	-	UNF1/2-20 1/2L	1
AL110BX		CAT50 AD/B - EMH 3/4 - 5.75	0.750	1.750	-	5.750	3.203	0.909	-	UNF5/8-18 1/2L	1
AL112BX		CAT50 AD/B - EMH 7/8 - 5.75	0.875	1.880	-	5.750	4.200	0.650	0.811	UNF5/8-18 1/2L	2
AL114BX		CAT50 AD/B - EMH 1.0 - 6.00	1.000	2.000	-	6.000	4.400	0.831	0.902	UNF3/4-16 1/2L	2
AL117BX		CAT50 AD/B - EMH 1 1/4 - 6.00	1.250	2.500	-	6.000	4.000	0.831	0.902	UNF3/4-16 11/16L	2
AL121BX		CAT50 AD/B - EMH 1 1/2 - 6.00	1.500	2.500	-	6.000	3.978	0.881	1.063	UNF3/4-16 1/2L	2
AL129BX		CAT50 AD/B - EMH 2.0 - 7.63	2.000	3.750	-	7.630	5.000	1.299	1.358	UNS1-14 7/8L	2

END MILL HOLDER

CAT



ASME B5.50-2009-CAT

Unit : Inch

EDP No.	Taper No.	Model No.	d1	D2	D3	L	L1	L2	L3	M	Fig.
AK002CX	40	CAT40 AD/B - EMH 1/4C - 1.97	0.250	0.780	-	1.969	1.299	0.598	-	UNF1/4-28 1/4L	1
AK003CX		CAT40 AD/B - EMH 5/16C - 1.97	0.313	0.880	-	1.969	1.359	0.630	-	UNF5/16-24 1/4L	1
AK004CX		CAT40 AD/B - EMH 3/8C - 1.97	0.375	1.000	-	1.969	1.417	0.630	-	UNF3/8-24 5/16L	1
AK005CX		CAT40 AD/B - EMH 1/2C - 1.97	0.500	1.250	-	1.969	1.693	0.787	-	UNF7/16-20 3/8L	1
AK008CX		CAT40 AD/B - EMH 5/8C - 2.48	0.625	1.500	-	2.480	3.600	0.882	-	UNF1/2-20 1/2L	1
AK010CX		CAT40 AD/B - EMH 3/4C - 2.48	0.750	1.750	-	2.480	3.900	0.909	-	UNF5/8-18 1/2L	1
AK012CX		CAT40 AD/B - EMH 1.0C - 3.94	1.000	2.000	-	3.937	4.400	0.831	0.902	UNF3/4-16 1/2L	2
AK017CX		CAT40 AD/B - EMH 1 1/4C - 3.94	1.250	2.500	2.461	3.937	4.000	0.831	0.902	UNF3/4-16 11/16L	2
AL002CX	50	CAT50 AD/B - EMH 1/4C - 2.48	0.250	0.780	-	2.480	1.299	0.591	-	UNF1/4-28 1/4L	1
AL003CX		CAT50 AD/B - EMH 5/16C - 2.48	0.313	0.880	-	2.480	1.358	0.630	-	UNF5/16-24 1/4L	1
AL004CX		CAT50 AD/B - EMH 3/8C - 2.48	0.375	1.000	-	2.480	1.417	0.630	-	UNF3/8-24 5/16L	1
AL005CX		CAT50 AD/B - EMH 1/2C - 2.48	0.500	1.250	-	2.480	1.693	0.787	-	UNF3/8-24 25/64L	1
AL008CX		CAT50 AD/B - EMH 5/8C - 2.48	0.625	1.500	-	2.480	1.890	0.882	-	UNF1/2-20 1/2L	1
AL010CX		CAT50 AD/B - EMH 3/4C - 2.48	0.750	1.750	-	2.480	1.925	0.909	-	UNF5/8-18 1/2L	1
AL012CX		CAT50 AD/B - EMH 1.0C - 3.15	1.000	2.000	-	3.150	4.400	0.831	0.902	UNF3/4-16 1/2L	2
AL017CX		CAT50 AD/B - EMH 1 1/4C - 3.94	1.250	2.500	-	3.937	4.000	0.831	0.902	UNF3/4-16 11/16L	2



END MILL HOLDER

CAT

FIG.1

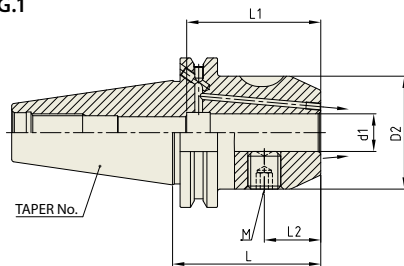
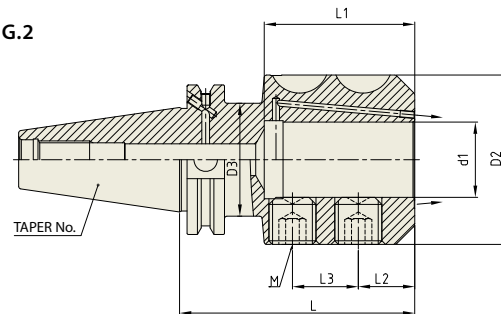


FIG.2



ASME B5.50-2009-CAT

Unit : mm											
EDP No.	Taper No.	Model No.	d1	D2	L	L1	L2	L3	M	Fig.	Weight (Kg)
AK311B15X	40	CAT40 AD/B - EMH 6 - 50	6	25	50	35	18	-	M6	1	0.86
AK312B15X		CAT40 AD/B - EMH 8 - 50	8	28	50	35	18	-	M8	1	0.89
AK313B15X		CAT40 AD/B - EMH 10 - 50	10	35	50	39	20	-	M10	1	0.95
AK314B15X		CAT40 AD/B - EMH 12 - 50	12	42	50	36	22.5	-	M12	1	1.03
AK315B15X		CAT40 AD/B - EMH 14 - 50	14	44	50	48	22.5	-	M12	1	1.26
AK316B15X		CAT40 AD/B - EMH 16 - 63	16	48	63	54	24	-	M14	1	1.28
AK317B15X		CAT40 AD/B - EMH 18 - 63	18	50	63	54	24	-	M14	1	1.35
AK318B15X		CAT40 AD/B - EMH 20 - 63	20	52	63	55	25	-	M16	1	1.28
AK319B15X		CAT40 AD/B - EMH 25 - 100	25	65	100	69	24	25	M18	2	2.28
AL311B15X	50	CAT50 AD/B - EMH 6 - 63	6	25	63	35	18	-	M6	1	2.70
AL312B15X		CAT50 AD/B - EMH 8 - 63	8	28	63	35	18	-	M8	1	2.70
AL313B15X		CAT50 AD/B - EMH 10 - 63	10	35	63	39	20	-	M10	1	2.90
AL314B15X		CAT50 AD/B - EMH 12 - 63	12	42	63	46	22.5	-	M12	1	2.90
AL315B15X		CAT50 AD/B - EMH 14 - 63	14	44	63	46	22.5	-	M12	1	2.90
AL316B15X		CAT50 AD/B - EMH 16 - 63	16	48	63	46	24	-	M14	1	3.00
AL317B15X		CAT50 AD/B - EMH 18 - 63	18	50	63	46	24	-	M14	1	3.00
AL318B15X		CAT50 AD/B - EMH 20 - 63	20	52	63	56	25	-	M16	1	3.05
AL319B15X		CAT50 AD/B - EMH 25 - 80	25	65	80	60	24	25	M18	2	3.73
AL320B15X		CAT50 AD/B - EMH 32 - 100	32	72	100	64	24	28	M20	2	4.53
AL321B15X		CAT50 AD/B - EMH 40 - 120	40	80	120	74	30	32	M20	2	4.77
AL322B15X		CAT50 AD/B - EMH 50 - 125	50	100	125	84	35	35	M24	2	7.03

END MILL HOLDER

BT



FIG.1

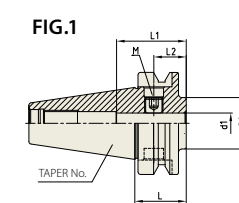


FIG.3

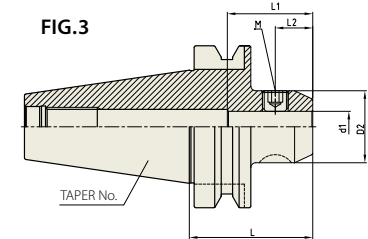


FIG.2

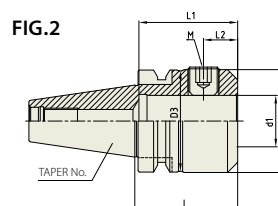
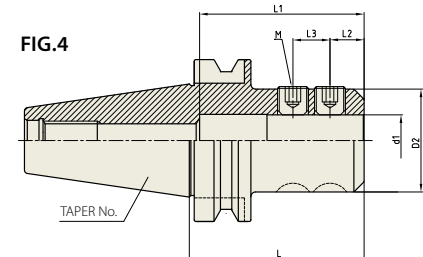


FIG.4



JIS B6339/MAS 403-BT

• STUB

Unit : Inch

EDP No.	Taper No.	Model No.	d1	D2	D3	L	L1	L2	L3	M	Fig.
AH206X	40	BT40 - EMH 1/2 - 1.25	0.500	1.250	-	1.250	1.693	0.787	-	UNF7/16-20 3/8L	1
AH208X		BT40 - EMH 5/8 - 1.38	0.625	1.500	-	1.380	2.400	0.866	-	UNF1/2-20 1/2L	1
AH210X		BT40 - EMH 3/4 - 1.44	0.750	1.750	-	1.440	2.500	0.909	-	UNF5/8-18 1/2L	1
AH214X		BT40 - EMH 1.0 - 2.50	1.000	2.000	-	2.500	2.500	0.831	-	UNF3/4-16 1/2L	1
AH217X		BT40 - EMH 1 1/4 - 2.50	1.250	2.500	2.441	2.500	2.500	0.831	-	UNF3/4-16 11/16L	2

• STANDARD

Unit : Inch

EDP No.	Taper No.	Model No.	d1	D2	D3	L	L1	L2	L3	M	Fig.
AI002X	50	BT50 - EMH 1/4 - 3.00	0.250	0.780	-	3.000	1.299	0.598	-	UNF1/4-28 1/4L	3
AI004X		BT50 - EMH 3/8 - 3.00	0.375	1.000	-	3.000	1.417	0.630	-	UNF3/8-24 5/16L	3
AI006X		BT50 - EMH 1/2 - 3.00	0.500	1.250	-	3.000	1.693	0.787	-	UNF7/16-20 3/8L	3
AI008X		BT50 - EMH 5/8 - 3.00	0.625	1.500	-	3.000	1.929	0.882	-	UNF1/2-20 1/2L	3
AI010X		BT50 - EMH 3/4 - 3.00	0.750	1.750	-	3.000	2.047	0.909	-	UNF5/8-18 1/2L	3
AI012X		BT50 - EMH 7/8 - 4.00	0.875	1.880	-	4.000	4.200	0.650	-	UNF5/8-18 1/2L	4
AI014X		BT50 - EMH 1.0 - 4.25	1.000	2.000	-	4.250	4.636	0.831	0.902	UNF3/4-16 1/2L	4
AI017X		BT50 - EMH 1 1/4 - 4.25	1.250	2.500	-	4.250	4.000	0.831	0.902	UNF3/4-16 11/16L	4
AI021X		BT50 - EMH 1 1/2 - 4.25	1.500	2.500	-	4.250	3.976	0.882	1.063	UNF3/4-16 1/2L	4
AI029X		BT50 - EMH 2.0 - 5.00	2.000	3.750	-	5.000	5.000	1.299	1.358	UNS1-14 7/8L	4

• EXTENDED

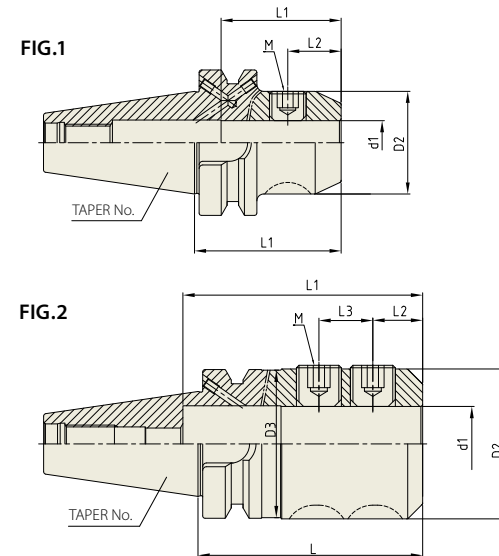
Unit : Inch

EDP No.	Taper No.	Model No.	d1	D2	D3	L	L1	L2	L3	M	Fig.
AI104X	50	BT50 - EMH 3/8 - 6.00	0.375	1.000	-	6.000	1.417	0.630	-	UNF3/8-24 5/16L	3
AI106X		BT50 - EMH 1/2 - 6.00	0.500	1.250	-	6.000	1.693	0.787	-	UNF7/16-20 3/8L	3
AI108X		BT50 - EMH 5/8 - 6.00	0.625	1.500	-	6.000	1.929	0.882	-	UNF1/2-20 1/2L	3
AI110X		BT50 - EMH 3/4 - 6.00	0.750	1.750	-	6.000	2.047	0.909	-	UNF5/8-18 1/2L	3
AI112X		BT50 - EMH 7/8 - 6.00	0.875	1.880	-	6.000	4.200	0.650	-	UNF5/8-18 1/2L	4
AI114X		BT50 - EMH 1.0 - 6.00	1.000	2.000	-	6.000	4.636	0.831	0.902	UNF3/4-16 1/2L	4
AI117X		BT50 - EMH 1 1/4 - 6.00	1.250	2.500	-	6.000	4.000	0.831	0.902	UNF3/4-16 11/16L	4
AI121X		BT50 - EMH 1 1/2 - 6.00	1.500	2.500	-	6.000	3.976	0.882	1.063	UNF3/4-16 1/2L	4
AI129X		BT50 - EMH 2.0 - 6.00	2.000	3.750	-	6.000	5.000	1.299	1.358	UNS1-14 7/8L	4



END MILL HOLDER

BT



JIS B6339/MAS 403-BT

• STANDARD

Unit : Inch

EDP No.	Taper No.	Model No.	d1	D2	D3	L	L1	L2	L3	M	Fig.
AH000BX	40	BT40 AD/B - EMH 1/8 - 2.50	0.125	0.690	-	2.500	0.591	0.295	-	UNC#8-32 1/4L	1
AH001BX		BT40 AD/B - EMH 3/16 - 2.50	0.187	0.690	-	2.500	0.787	0.441	-	UNC#10-32 1/4L	1
AH002BX		BT40 AD/B - EMH 1/4 - 2.50	0.250	0.780	-	2.500	1.299	0.598	-	UNF1/4-28 1/4L	1
AH003BX		BT40 AD/B - EMH 5/16 - 2.50	0.312	0.880	-	2.500	1.358	0.630	-	UNF5/16-24 1/4L	1
AH004BX		BT40 AD/B - EMH 3/8 - 2.50	0.375	1.000	-	2.500	1.417	0.630	-	UNF3/8-24 5/16L	1
AH005BX		BT40 AD/B - EMH 7/16 - 2.50	0.437	1.130	-	2.500	1.417	0.630	-	UNF3/8-24 25/64L	1
AH006BX		BT40 AD/B - EMH 1/2 - 2.50	0.500	1.250	-	2.500	1.693	0.787	-	UNF7/16-20 3/8L	1
AH008BX		BT40 AD/B - EMH 5/8 - 2.50	0.625	1.500	-	2.500	3.600	0.881	-	UNF1/2-20 1/2L	1
AH010BX		BT40 AD/B - EMH 3/4 - 2.50	0.750	1.750	-	2.500	3.900	0.909	-	UNF5/8-18 1/2L	1
AH012BX		BT40 AD/B - EMH 7/8 - 3.50	0.875	1.880	-	3.500	4.200	0.650	0.811	UNF5/8-18 1/2L	2
AH014BX		BT40 AD/B - EMH 1.0 - 3.75	1.000	2.000	-	3.750	4.400	0.831	0.902	UNF3/4-16 1/2L	2
AH017BX		BT40 AD/B - EMH 1 1/4 - 3.75	1.250	2.500	2.461	3.750	4.000	0.831	0.902	UNF3/4-16 11/16L	2
AH021BX		BT40 AD/B - EMH 1 1/2 - 4.25	1.500	2.500	2.461	4.250	3.978	0.881	1.063	UNF3/4-16 1/2L	2

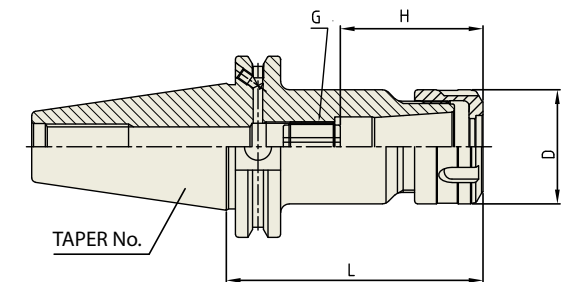
• EXTENDED

Unit : Inch

EDP No.	Taper No.	Model No.	d1	D2	D3	L	L1	L2	L3	M	Fig.
AH104BX	40	BT40 AD/B - EMH 3/8 - 4.00	0.375	1.000	-	4.000	1.417	0.630	-	UNF3/8-24 5/16L	1
AH106BX		BT40 AD/B - EMH 1/2 - 4.00	0.500	1.250	-	4.000	1.693	0.787	-	UNF7/16-20 3/8L	1
AH108BX		BT40 AD/B - EMH 5/8 - 4.00	0.625	1.500	-	4.000	3.600	0.881	-	UNF1/2-20 1/2L	1
AH110BX		BT40 AD/B - EMH 3/4 - 4.00	0.750	1.750	-	4.000	2.047	0.909	-	UNF5/8-18 1/2L	1
AH114BX		BT40 AD/B - EMH 1.0 - 5.00	1.000	2.000	-	5.000	4.400	0.831	0.902	UNF3/4-16 1/2L	2
AH117BX		BT40 AD/B - EMH 1 1/4 - 5.00	1.250	2.500	2.461	5.000	4.000	0.831	0.902	UNF3/4-16 11/16L	2
AH121BX		BT40 AD/B - EMH 1 1/2 - 6.00	1.500	2.500	2.461	6.000	3.978	0.881	1.063	UNF3/4-16 1/2L	2

ER COLLET CHUCK

CAT



ASME B5.50-2009-CAT

• STUB

Unit : Inch

EDP No.	Taper No.	Model No.	Clamping Range	D	L	H		G	Collet Series
						Min.	Max.		
BK232BX	40	CAT40 AD/B - ER 20 - 2.55	0.039 - 0.511	1.339	2.55	1.220	2.315	UN9/16-16 1/2L	ER20
BK233BX		CAT40 AD/B - ER 25 - 2.50	0.039 - 0.629	1.654	2.50	1.339	2.335	UN11/16-16 1/2L	ER25
BK234BX		CAT40 AD/B - ER 32 - 2.70	0.078 - 0.787	1.969	2.70	1.575	3.555	UN7/8-16 1/2L	ER32

• STANDARD

Unit : Inch

EDP No.	Taper No.	Model No.	Clamping Range	D	L	H		G	Collet Series
						Min.	Max.		
BK030BX	40	CAT40 AD/B - ER 11 - 3.00	0.019 - 0.275	0.748	3.00	0.654	1.177	UN5/16-18 1/2L	ER11
BK031BX		CAT40 AD/B - ER 16 - 3.00	0.019 - 0.393	1.102	3.00	1.008	2.240	UN7/16-18 1/2L	ER16
BK032BX		CAT40 AD/B - ER 20 - 4.00	0.039 - 0.511	1.339	4.00	1.220	2.315	UN9/16-16 1/2L	ER20
BK133BX		CAT40 AD/B - ER 25 - 4.00	0.039 - 0.629	1.654	4.00	1.339	2.335	UN11/16-16 1/2L	ER25
BK134BX		CAT40 AD/B - ER 32 - 4.00	0.078 - 0.787	1.969	4.00	1.575	3.555	UN7/8-16 1/2L	ER32
BK136BX		CAT40 AD/B - ER 40 - 4.00	0.118 - 1.024	2.480	4.00	2.283	3.634	UN1 1/8-16 1/2L	ER40
BL031BX	50	CAT50 AD/B - ER 16 - 3.00	0.019 - 0.393	1.100	4.00	1.008	1.839	UN7/16-18 1/2L	ER16
BL032BX		CAT50 AD/B - ER 20 - 4.00	0.039 - 0.511	1.339	4.00	1.220	2.315	UN9/16-16 1/2L	ER20
BL033BX		CAT50 AD/B - ER 25 - 4.00	0.039 - 0.629	1.654	4.00	1.339	2.335	UN11/16-16 1/2L	ER25
BL034BX		CAT50 AD/B - ER 32 - 4.00	0.078 - 0.787	1.969	4.00	1.575	3.555	UN7/8-16 1/2L	ER32
BL036BX		CAT50 AD/B - ER 40 - 4.00	0.118 - 1.024	2.480	4.00	2.283	3.634	UN1 1/8-16 1/2L	ER40

• EXTENDED

Unit : Inch

EDP No.	Taper No.	Model No.	Clamping Range	D	L	H		G	Collet Series
						Min.	Max.		
BK331BX	40	CAT40 AD/B - ER 16 - 6.00	0.019 - 0.393	1.102	6.00	1.008	2.240	UN7/16-18 1/2L	ER16
BK332BX		CAT40 AD/B - ER 20 - 6.00	0.039 - 0.511	1.339	6.00	1.220	2.315	UN9/16-16 1/2L	ER20
BK333BX		CAT40 AD/B - ER 25 - 6.00	0.039 - 0.629	1.654	6.00	1.339	2.335	UN11/16-16 1/2L	ER25
BK334BX		CAT40 AD/B - ER 32 - 6.00	0.078 - 0.787	1.969	6.00	1.575	3.555	UN7/8-16 1/2L	ER32
BL331BX	50	CAT50 AD/B - ER 16 - 6.00	0.019 - 0.393	1.100	6.00	1.008	1.839	UN7/16-18 1/2L	ER16
BL332BX		CAT50 AD/B - ER 20 - 6.00	0.039 - 0.511	1.330	6.00	1.220	2.315	UN9/16-16 1/2L	ER20
BL333BX		CAT50 AD/B - ER 25 - 6.00	0.039 - 0.629	1.650	6.00	1.339	2.335	UN11/16-16 1/2L	ER25
BL334BX		CAT50 AD/B - ER 32 - 6.00	0.078 - 0.787	1.960	6.00	1.575	3.555	UN7/8-16 1/2L	ER32

• EXTRA EXTENDED

Unit : Inch

EDP No.	Taper No.	Model No.	Clamping Range	D	L	H		G	Collet Series
						Min.	Max.		
BK434BX	40	CAT40 AD/B - ER 16 - 8.00	0.019 - 0.393	1.102	8.00	1.008	2.240	UN7/16-18 1/2L	ER16
BK432BX		CAT40 AD/B - ER 20 - 8.00	0.039 - 0.511	1.339	8.00	2.283	3.634	UN9/16-16 1/2L	ER20
BK435BX		CAT40 AD/B - ER 25 - 8.00	0.039 - 0.629	1.654	8.00	1.339	2.335	UN11/16-16 1/2L	ER25
BK433BX		CAT40 AD/B - ER 32 - 8.00	0.078 - 0.787	1.969	8.00	1.575	3.555	UN7/8-16 1/2L	ER32



ER COLLET CHUCK

BT

ER COLLET CHUCK

BT



JIS B6339/MAS 403-BT

• STUB									
EDP No.	Taper No.	Model No.	Clamping Range	D	L	H		G	Collet Series
						Min.	Max.		
BH232BX	40	BT40 AD/B - ER 20 - 2.20	0.039 - 0.511	1.339	2.200	1.220	2.315	UN9/16-16 1/2L	ER20
BH233BX		BT40 AD/B - ER 25 - 2.50	0.039 - 0.629	1.654	2.500	1.339	2.335	UN11/16-16 1/2L	ER25
BH234BX		BT40 AD/B - ER 32 - 2.40	0.078 - 0.787	1.969	2.400	1.575	3.161	UN7/8-16 1/2L	ER32

• STANDARD									
EDP No.	Taper No.	Model No.	Clamping Range	D	L	H		G	Collet Series
						Min.	Max.		
BH030BX	40	BT40 AD/B - ER 11 - 3.00	0.019 - 0.275	0.748	3.000	0.654	1.453	UN5/16-18 1/2L	ER11
BH031BX		BT40 AD/B - ER 16 - 3.00	0.019 - 0.393	1.102	3.000	1.008	1.886	UN7/16-18 1/2L	ER16
BH032BX		BT40 AD/B - ER 20 - 4.00	0.039 - 0.511	1.339	4.000	1.220	2.315	UN9/16-16 1/2L	ER20
BH133BX		BT40 AD/B - ER 25 - 4.00	0.039 - 0.629	1.654	4.000	1.339	2.335	UN11/16-16 1/2L	ER25
BH134BX		BT40 AD/B - ER 32 - 4.00	0.078 - 0.787	1.969	4.000	1.575	3.555	UN7/8-16 1/2L	ER32
BH136BX		BT40 AD/B - ER 40 - 4.00	0.118 - 1.024	2.480	4.000	2.283	3.437	UN1 1/8-16 1/2L	ER40

• EXTENDED									
EDP No.	Taper No.	Model No.	Clamping Range	D	L	H		G	Collet Series
						Min.	Max.		
BH331BX	40	BT40 AD/B - ER 16 - 6.00	0.019 - 0.393	1.102	6.000	1.008	1.886	UN7/16-18 1/2L	ER16
BH332BX		BT40 AD/B - ER 20 - 6.00	0.039 - 0.511	1.339	6.000	1.220	2.315	UN9/16-16 1/2L	ER20
BH333BX		BT40 AD/B - ER 25 - 6.00	0.039 - 0.629	1.654	6.000	1.339	2.335	UN11/16-16 1/2L	ER25
BH334BX		BT40 AD/B - ER 32 - 6.00	0.078 - 0.787	1.969	6.000	1.575	3.555	UN7/8-16 1/2L	ER32

• EXTRA EXTENDED									
EDP No.	Taper No.	Model No.	Clamping Range	D	L	H		G	Collet Series
						Min.	Max.		
BH434BX	40	BT40 AD/B - ER 16 - 8.00	0.019 - 0.393	1.102	8.000	1.008	1.886	UN7/16-18 1/2L	ER16
BH432BX		BT40 AD/B - ER 20 - 8.00	0.039 - 0.511	1.339	8.000	1.220	2.315	UN9/16-16 1/2L	ER20
BH435BX		BT40 AD/B - ER 25 - 8.00	0.039 - 0.629	1.654	8.000	1.339	2.335	UN11/16-16 1/2L	ER25
BH433BX		BT40 AD/B - ER 32 - 8.00	0.078 - 0.787	1.969	8.000	1.575	3.555	UN7/8-16 1/2L	ER32

* Supplied without wrench.



JIS B6339/MAS 403-BT

• STANDARD									
EDP No.	Taper No.	Model No.	Clamping Range	D	L	H		G	Collet Series
						Min.	Max.		
BI031X	50	BT50 - ER 16 - 4.88	0.019 - 0.393	1.102	4.880	1.008	1.886	UN7/16-18 1/2L	ER16
BI032X		BT50 - ER 20 - 2.63	0.039 - 0.511	1.339	2.630	1.220	3.102	UN9/16-16 1/2L	ER20
BI033X		BT50 - ER 25 - 2.63	0.039 - 0.629	1.654	2.630	1.339	2.335	UN11/16-16 1/2L	ER25
BI034X		BT50 - ER 32 - 4.00	0.078 - 0.787	1.969	4.000	1.575	3.555	UN7/8-16 1/2L	ER32

• EXTENDED									
EDP No.	Taper No.	Model No.	Clamping Range	D	L	H		G	Collet Series
						Min.	Max.		
BI331X	50	BT50 - ER 16 - 6.00	0.019 - 0.393	1.102	6.000	1.008	1.886	UN7/16-18 1/2L	ER16
BI332X		BT50 - ER 20 - 6.00	0.039 - 0.511	1.339	6.000	1.220	3.102	UN9/16-16 1/2L	ER20
BI333X		BT50 - ER 25 - 6.00	0.039 - 0.629	1.654	6.000	1.339	2.335	UN11/16-16 1/2L	ER25
BI334X		BT50 - ER 32 - 6.00	0.078 - 0.787	1.969	6.000	1.575	3.555	UN7/8-16 1/2L	ER32

* Supplied without wrench.

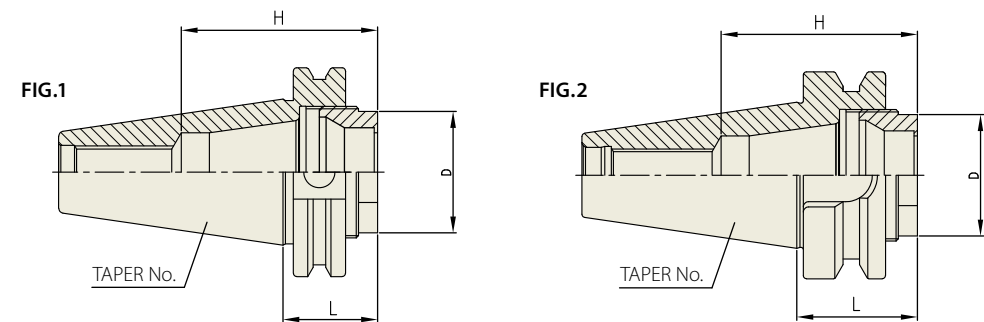
ER COLLET CHUCK

CAT / BT

ER COLLET CHUCK

NC

SHORT



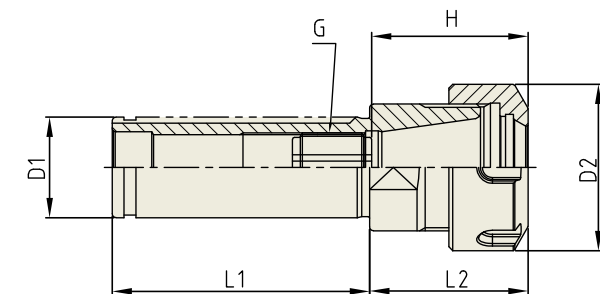
ASME B5.50-2009-CAT

Unit : Inch								
EDP No.	Taper No.	Model No.	Clamping Range	D	L	H	Collet Series	Fig.
BK020SHTX	40	CAT40 - ER 32 - SHORT	0.078 - 0.787	1.455	1.134	2.350	ER32 (For Hex. Nut)	1

JIS B6339/MAS 403-BT

Unit : Inch								
EDP No.	Taper No.	Model No.	Clamping Range	D	L	H	Collet Series	Fig.
BH020SHTX	40	BT40 - ER 32 - SHORT	0.078 - 0.787	1.455	1.446	2.350	ER32 (For Hex. Nut)	2

For CNC LATHE



NC-ER

Unit : Inch											
EDP No.	Shank Dia.	Model No.	Clamping Range	D1	D2	L1	L2	H		G	Collet Series
								Min.	Max.		
BN110X	1	NC1 - ER 11	0.019 - 0.275	1.000	0.748	2.559	1.260	0.654	1.350	UN5/16-18 1/2L	ER11
BN111X		NC1 - ER 16	0.019 - 0.393	1.000	1.102	2.559	1.417	1.008	1.886	UN7/16-18 1/2L	ER16
BN112X		NC1 - ER 20	0.039 - 0.511	1.000	1.339	2.559	1.575	1.220	2.315	UN9/16-16 1/2L	ER20
BN113X		NC1 - ER 25	0.039 - 0.629	1.000	1.654	2.559	1.575	1.339	2.315	UN11/16-16 1/2L	ER25
BN114X	1-1/4	NC1-1/4 - ER 20	0.039 - 0.511	1.250	1.339	2.756	1.161	1.220	2.315	UN9/16-16 1/2L	ER20
BN115X		NC1-1/4 - ER 25	0.039 - 0.629	1.250	1.654	2.756	1.575	1.339	2.335	UN11/16-16 1/2L	ER25
BN116X		NC1-1/4 - ER 32	0.078 - 0.787	1.250	1.969	2.756	1.772	1.575	2.453	UN7/8-16 1/2L	ER32
BN117X		NC1-1/4 - ER 40	0.118 - 1.180	1.250	2.480	2.756	3.150	2.441	3.555	UN1 1/8-16 1/2L	ER40

* Supplied without wrench.



ER COLLET

ER

Inch Type



Unit : Inch

ER 11	
EDP No.	Clamping Range
110116	1/16
110332	3/32
110108	1/8
110532	5/32
110316	3/16
110732	7/32
110104	1/4
ER11S07	Standard Set
Ø1/16" to 1/4"	
7 pcs	

ER 16	
EDP No.	Clamping Range
160116	1/16
160332	3/32
160108	1/8
160532	5/32
160316	3/16
160732	7/32
160104	1/4
160932	9/32
160516	5/16
161132	11/32
160308	3/8
161332	13/32
ER16S12	Standard Set
Ø1/16" to 13/32"	
12 pcs	

ER 20	
EDP No.	Clamping Range
200116	1/16
200332	3/32
200108	1/8
200532	5/32
200316	3/16
200732	7/32
200104	1/4
200932	9/32
200516	5/16
201132	11/32
200308	3/8
201332	13/32
200716	7/16
201532	15/32
200102	1/2
ER20S15	Standard Set
Ø1/16" to 1/2"	
15 pcs	

ER COLLET

ER

Inch Type



Unit : Inch

ER 25	
EDP No.	Clamping Range
250116	1/16
250332	3/32
250108	1/8
250532	5/32
250316	3/16
250732	7/32
250104	1/4
250932	9/32
250516	5/16
251132	11/32
250308	3/8
251332	13/32
250716	7/16
251532	15/32
250102	1/2
251732	17/32
250916	9/16
251932	19/32
250508	5/8
ER25S19	Standard Set
Ø1/16" to 5/8"	
19 pcs	

ER 32	
EDP No.	Clamping Range
320332	3/32
320108	1/8
320532	5/32
320316	3/16
320732	7/32
320104	1/4
320932	9/32
320516	5/16
321132	11/32
320308	3/8
321332	13/32
320716	7/16
321532	15/32
320102	1/2
321732	17/32
320916	9/16
321932	19/32
320508	5/8
322132	21/32
321116	11/16
322332	23/32
320304	3/4
ER32S22	Standard Set
Ø3/32" to 3/4"	
22 pcs	

ER 40	
EDP No.	Clamping Range
400108	1/8
400532	5/32
400316	3/16
400732	7/32
400104	1/4
400932	9/32
400516	5/16
401132	11/32
400308	3/8
401332	13/32
400716	7/16
401532	15/32
400102	1/2
401732	17/32
400916	9/16
401932	19/32
400508	5/8
402132	21/32
401116	11/16
402332	23/32
400304	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
ER40S29	Standard Set
Ø1/8" to 1"	
29 pcs	



ER COLLET

ER

Metric Type



Unit : mm

ER 8	
EDP No.	Clamping Range
208010	1.0 - 0.5
208015	1.5 - 1.0
208020	2.0 - 1.5
208025	2.5 - 2.0
208030	3.0 - 2.5
208035	3.5 - 3.0
208040	4.0 - 3.5
208045	4.5 - 4.0
208050	5.0 - 4.5
208000	Standard Set
Ø1.0 - 5.0mm	
9 pcs	

ER 11	
EDP No.	Clamping Range
211010	1.0 - 0.5
211015	1.5 - 1.0
211020	2.0 - 1.5
211025	2.5 - 2.0
211030	3.0 - 2.5
211035	3.5 - 3.0
211040	4.0 - 3.5
211045	4.5 - 4.0
211050	5.0 - 4.5
211055	5.5 - 5.0
211060	6.0 - 5.5
211065	6.5 - 6.0
211070	7.0 - 6.5
211000	Standard Set
Ø1.0 - 7.0mm	
13 pcs	

ER 16	
EDP No.	Clamping Range
216010	1.0 - 0.5
216015	1.5 - 1.0
216020	2.0 - 1.0
216025	2.5 - 2.0
216030	3.0 - 2.0
216040	4.0 - 3.0
216050	5.0 - 4.0
216060	6.0 - 5.0
216070	7.0 - 6.0
216080	8.0 - 7.0
216090	9.0 - 8.0
216100	10.0 - 9.0
216000	Standard Set
Ø1.0 - 10.0mm	
10 pcs	

Metric Type



Unit : mm

ER 20	
EDP No.	Clamping Range
220010	1.0 - 0.5
220015	1.5 - 1.0
220020	2.0 - 1.0
220025	2.5 - 2.0
220030	3.0 - 2.0
220040	4.0 - 3.0
220050	5.0 - 4.0
220060	6.0 - 5.0
220070	7.0 - 6.0
220080	8.0 - 7.0
220090	9.0 - 8.0
220100	10.0 - 9.0
220110	11.0 - 10.0
220120	12.0 - 11.0
220130	13.0 - 12.0
220000	Standard Set
Ø2.0 - 13.0mm	
12 pcs	



ER COLLET

ER

Metric Type



Unit : mm

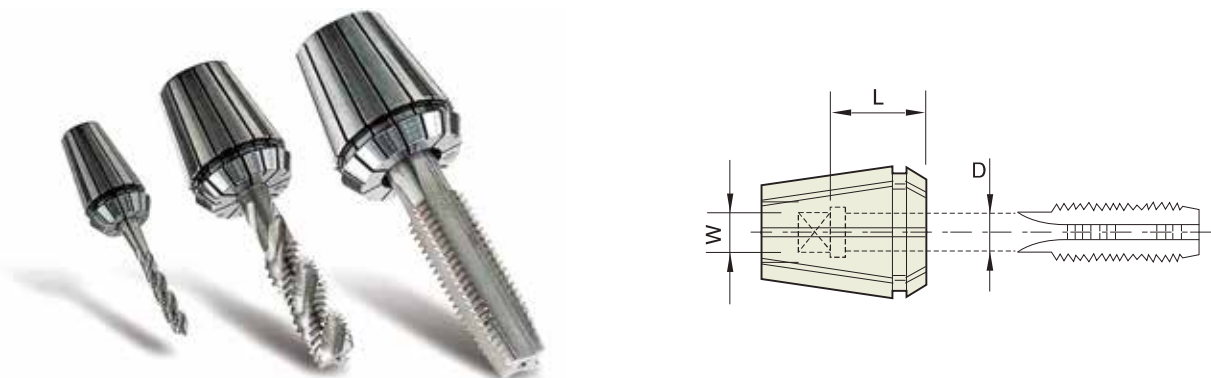
ER 40	
EDP No.	Clamping Range
240030	3.0 - 2.0
240040	4.0 - 3.0
240050	5.0 - 4.0
240060	6.0 - 5.0
240070	7.0 - 6.0
240080	8.0 - 7.0
240090	9.0 - 8.0
240100	10.0 - 9.0
240110	11.0 - 10.0
240120	12.0 - 11.0
240130	13.0 - 12.0
240140	14.0 - 13.0
240150	15.0 - 14.0
240160	16.0 - 15.0
240170	17.0 - 16.0
240180	18.0 - 17.0
240190	19.0 - 18.0
240200	20.0 - 19.0
240210	21.0 - 20.0
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
240000	Standard Set
Ø4.0 - 26.0mm	
23 pcs	

ER 50	
EDP No.	Clamping Range
250060	6.0 - 4.0
250080	8.0 - 6.0
250100	10.0 - 8.0
250120	12.0 - 10.0
250140	14.0 - 12.0
250160	16.0 - 14.0
250180	18.0 - 16.0
250200	20.0 - 18.0
250220	22.0 - 20.0
250240	24.0 - 22.0
250250	25.0 - 23.0
250260	26.0 - 24.0
250280	28.0 - 26.0
250300	30.0 - 28.0
250320	32.0 - 30.0
250340	34.0 - 32.0
250000	Standard Set
Ø12.0 - 34.0mm	
12 pcs	

TAP ER COLLET

RD

Inch Type: ANSI



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

Unit : Inch

ER 11					
EDP No.	TAP		D(Ø)	W(□)	L
	Inch	Metric			
11TC1411	#6	M3	0.141	0.110	0.472
11TC1613	#8	M4	0.168	0.131	0.472
11TC1915	#10	M4.5+M5	0.194	0.152	0.472
11TC2216	#12	-	0.220	0.165	0.551
11TC2519	1/4	M6	0.255	0.191	0.551

ER 16					
EDP No.	TAP		D(Ø)	W(□)	L
	Inch	Metric			
16TC1411	#6	M3	0.141	0.110	0.709
16TC1613	#8	M4	0.168	0.131	0.709
16TC1915	#10	M4.5+M5	0.194	0.152	0.709
16TC2216	#12	-	0.220	0.165	0.709
16TC2519	1/4	M6	0.255	0.191	0.709
16TC3123	5/16	M7+M8	0.318	0.238	0.709
16TC3224	7/16	-	0.323	0.242	0.709

ER 20					
EDP No.	TAP		D(Ø)	W(□)	L
	Inch	Metric			
20TC1411	#6	M3	0.141	0.110	0.709
20TC1613	#8	M4	0.168	0.131	0.709
20TC1915	#10	M4.5+M5	0.194	0.152	0.709
20TC2216	#12	-	0.220	0.165	0.709
20TC2519	1/4	M6	0.255	0.191	0.709
20TC3123	5/16	M7+M8	0.318	0.238	0.866
20TC3828	3/8	M10	0.381	0.286	0.866
20TC3224	7/16	-	0.323	0.242	0.866
20TC3622	1/2	M12	0.367	0.275	0.866



TAP ER COLLET

RD

Below standard TAP ER Collet conforms to **ANSI** (For STANDARD TAPS) Unit : Inch

ER 25					
EDP No.	TAP		D(Ø)	W(□)	L
	Inch	Metric			
25TC1411	#6	M3	0.141	0.110	0.709
25TC1613	#8	M4	0.168	0.131	0.709
25TC1915	#10	M4.5+M5	0.194	0.152	0.709
25TC2216	#12	-	0.220	0.165	0.709
25TC2519	1/4	M6	0.255	0.191	0.709
25TC3123	5/16	M7+M8	0.318	0.238	0.866
25TC3828	3/8	M10	0.381	0.286	0.866
25TC3224	7/16	-	0.323	0.242	0.866
25TC3622	1/2	M12	0.367	0.275	0.866
25TC4232	9/16	M14	0.429	0.322	0.984
25TC4836	5/8	M16	0.480	0.360	0.984
25TC5440	11/16	M18	0.542	0.406	0.984
25TC5944	3/4	-	0.590	0.442	0.984

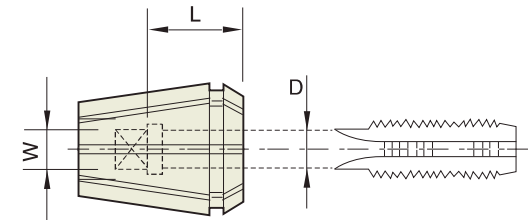
ER 32					
EDP No.	TAP		D(Ø)	W(□)	L
	Inch	Metric			
32TC1411	#6	M3	0.141	0.110	0.709
32TC1613	#8	M4	0.168	0.131	0.709
32TC1915	#10	M4.5+M5	0.194	0.152	0.709
32TC2216	#12	-	0.220	0.165	0.709
32TC2519	1/4	M6	0.255	0.191	0.709
32TC3123	5/16	M7+M8	0.318	0.238	0.866
32TC3828	3/8	M10	0.381	0.286	0.866
32TC3224	7/16	-	0.323	0.242	0.866
32TC3627	1/2	M12	0.367	0.275	0.866
32TC4232	9/16	M14	0.429	0.322	0.984
32TC4836	5/8	M16	0.480	0.360	0.984
32TC5440	11/16	M18	0.542	0.406	0.984
32TC5944	3/4	-	0.590	0.442	0.984
32TC6548	13/16	M20	0.652	0.489	0.984

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

TAP ER COLLET

RD

Inch Type: ANSI



Below standard TAP ER Collet conforms to **ANSI** (For PIPE TAPS) Unit : Inch

ER 16				
EDP No.	TAP	D(Ø)	W(□)	L
	Inch			
16TP3123	1/8(SS)	0.312	0.234	0.709
16TP4332	1/8(LS)	0.437	0.328	0.709

ER 20				
EDP No.	TAP	D(Ø)	W(□)	L
	Inch			
20TP3123	1/8(SS)	0.312	0.234	0.787
20TP4332	1/8(LS)	0.437	0.328	0.787

ER 25				
EDP No.	TAP	D(Ø)	W(□)	L
	Inch			
25TP3123	1/8(SS)	0.312	0.234	0.787
25TP4332	1/8(LS)	0.437	0.328	0.787
25TP5642	1/4	0.562	0.420	0.787

ER 32				
EDP No.	TAP	D(Ø)	W(□)	L
	Inch			
32TP3123	1/8(SS)	0.312	0.234	0.787
32TP4332	1/8(LS)	0.437	0.328	0.787
32TP5642	1/4	0.562	0.420	0.787

ER 40				
EDP No.	TAP	D(Ø)	W(□)	L
	Inch			
40TP3123	1/8(SS)	0.312	0.234	0.787
40TP4332	1/8(LS)	0.437	0.328	0.787
40TP5642	1/4	0.562	0.420	0.787
40TP7053	3/8	0.700	0.530	0.866
40TP6851	1/2	0.687	0.515	0.866
40TP9067	3/4	0.906	0.679	0.945

* SS (Small Shank Series)
LS (Large Shank Series)



ER NUT

PART

FIG. 1

EDP No.	Series	Type
ZZ061	ER11 - NUT	FIG. 1
ZZ063	ER16 - NUT	FIG. 1
ZZ066	ER20 - NUT	FIG. 1

FIG. 2

EDP No.	Series	Type
ZZ069	ER25 - NUT	FIG. 2
ZZ072	ER32 - NUT	FIG. 2
ZZ077	ER40 - NUT	FIG. 2

FIG. 1



FIG. 2



END WRENCH

FIG. 1

EDP No.	Series	Type
ZZ062	ER11	FIG. 1
ZZ064	ER16	FIG. 1
ZZ067	ER20	FIG. 1

FIG. 2

EDP No.	Series	Type
ZZ070	ER25	FIG. 2
ZZ073	ER32	FIG. 2
ZZ076	ER40	FIG. 2



FIG. 1



FIG. 2

END STOP SCREW

FIG. 1

EDP No.	Series	L	d	D	Type
ZZ060	ER11	0.50	0.25	UN 5/16 - 18	FIG. 1

FIG. 2

EDP No.	Series	L	d	D	Type
ZZ065	ER16	0.50	0.35	UN 7/16 - 16	FIG. 2
ZZ068	ER20	0.50	0.48	UN 9/16 - 16	FIG. 2
ZZ071	ER25	0.50	0.60	UN 11/16 - 16	FIG. 2
ZZ074	ER32	0.50	0.79	UN 7/8 - 16	FIG. 2

FIG. 1

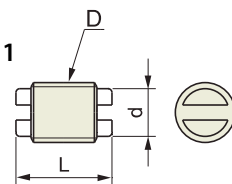
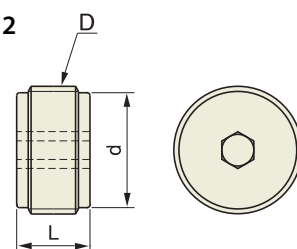


FIG. 2



SHELL MILL ARBOR

CAT



FIG.1

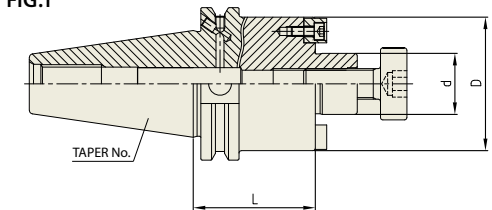
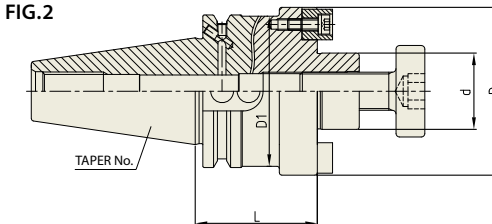


FIG.2



ASME B5.50-2009-CAT

• STANDARD

Edp No.	Taper No.	Model No.	d	L	D	D1	Collar Bolt	Fig.	Unit : inch
EK006BX	40	CAT40 AD/B - SMA 1/2 - 1.50	0.500	1.50	1.44	-	UNF1/4-28x16L	1	
EK010BX		CAT40 AD/B - SMA 3/4 - 1.50	0.750	1.50	1.69	-	UNF3/8-24x24L	1	
EK014BX		CAT40 AD/B - SMA 1.0 - 2.00	1.000	2.00	2.19	-	UNF1/2-20x32L	1	
EK017BX		CAT40 AD/B - SMA 1 1/4 - 2.00	1.250	2.00	2.75	2.46	UNF5/8-18x40L	2	
EK021BX		CAT40 AD/B - SMA 1 1/2 - 3.00	1.500	3.00	3.81	2.46	UNF3/4-16x47L	2	
EL010BX	50	CAT50 AD/B - SMA 3/4 - 1.50	0.750	1.50	1.69	-	UNF3/8-24x24L	1	
EL014BX		CAT50 AD/B - SMA 1.0 - 2.00	1.000	2.00	2.19	-	UNF1/2-20x32L	1	
EL017BX		CAT50 AD/B - SMA 1 1/4 - 2.00	1.250	2.00	2.75	-	UNF5/8-18x40L	1	
EL021BX		CAT50 AD/B - SMA 1 1/2 - 2.50	1.500	2.50	3.81	-	UNF3/4-16x47L	1	
EL029BX		CAT50 AD/B - SMA 2.00 - 3.00	2.000	3.00	4.88	3.84	UN1-14x48L	2	

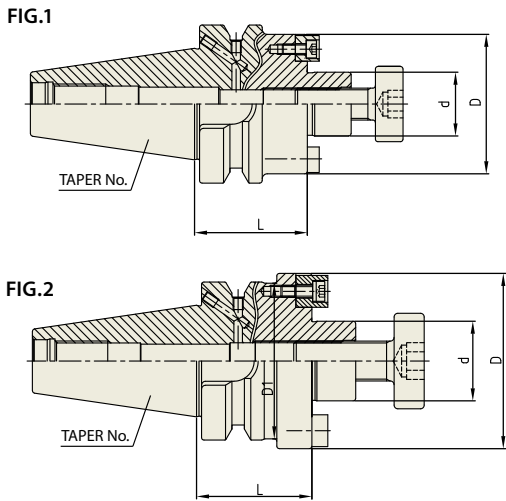
• EXTENDED

Edp No.	Taper No.	Model No.	d	L	D	D1	Collar Bolt	Fig.	Unit : inch
EK306BX	40	CAT40 AD/B - SMA 1/2 - 3.50	0.500	3.50	1.44	-	UNF1/4-28x16L	1	
EK310BX		CAT40 AD/B - SMA 3/4 - 3.50	0.750	3.50	1.69	-	UNF3/8-24x24L	1	
EK314BX		CAT40 AD/B - SMA 1.0 - 4.00	1.000	4.00	2.19	-	UNF1/2-20x32L	1	
EK317BX		CAT40 AD/B - SMA 1 1/4 - 4.00	1.250	4.00	2.75	2.46	UNF5/8-18x40L	2	
EK321BX		CAT40 AD/B - SMA 1 1/2 - 4.00	1.500	4.00	3.81	2.46	UNF3/4-16x47L	2	
EL310BX	50	CAT50 AD/B - SMA 3/4 - 3.50	0.750	3.50	1.69	-	UNF3/8-24x24L	1	
EL314BX		CAT50 AD/B - SMA 1.0 - 4.00	1.000	4.00	2.19	-	UNF1/2-20x32L	1	
EL317BX		CAT50 AD/B - SMA 1 1/4 - 4.00	1.250	4.00	2.75	-	UNF5/8-18x40L	1	
EL321BX		CAT50 AD/B - SMA 1 1/2 - 4.00	1.500	4.00	3.81	-	UNF3/4-16x47L	1	
EL329BX		CAT50 AD/B - SMA 2.0 - 4.00	2.000	4.00	4.88	3.84	UN1-14x48L	2	



SHELL MILL ARBOR

BT



JIS B6339/MAS 403-BT

STANDARD

Unit : Inch								
EDP No.	Taper No.	Model No.	d	L	D	D1	Collar Bolt	Fig.
EH006BX	40	BT40 AD/B - SMA 1/2 - 1.75	0.500	1.75	1.44	-	UNF1/4-28x16L	1
EH010BX		BT40 AD/B - SMA 3/4 - 1.77	0.750	1.77	1.69	-	UNF3/8-24x24L	1
EH014BX		BT40 AD/B - SMA 1.0 - 1.77	1.000	1.77	2.19	-	UNF1/2-20x32L	1
EH017BX		BT40 AD/B - SMA 1 1/4 - 1.81	1.250	1.81	2.75	2.44	UNF5/8-18x40L	2
EH021BX		BT40 AD/B - SMA 1 1/2 - 2.36	1.500	2.36	3.81	2.44	UNF3/4-16x47L	2
EI010X	50	BT50 - SMA 3/4 - 1.75	0.750	1.75	1.69	-	UNF3/8-24x24L	1
EI014X		BT50 - SMA 1.0 - 1.75	1.000	1.75	2.19	-	UNF1/2-20x32L	1
EI017X		BT50 - SMA 1 1/4 - 1.75	1.250	1.75	2.75	-	UNF5/8-18x40L	1
EI021X		BT50 - SMA 1 1/2 - 1.75	1.500	1.75	3.81	-	UNF3/4-16x47L	1
EI029X		BT50 - SMA 2.0 - 3.00	2.000	3.00	4.88	3.86	UN1-14x48L	2

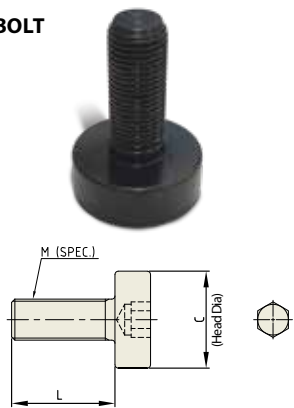
EXTENDED

Unit : Inch								
EDP No.	Taper No.	Model No.	d	L	D	D1	Collar Bolt	Fig.
EH306BX	40	BT40 AD/B - SMA 1/2 - 3.50	0.500	3.50	1.44	-	UNF1/4-28x16L	1
EH310BX		BT40 AD/B - SMA 3/4 - 4.13	0.750	4.13	1.69	-	UNF3/8-24x24L	1
EH314BX		BT40 AD/B - SMA 1.0 - 4.13	1.000	4.13	2.19	-	UNF1/2-20x32L	1
EH317BX		BT40 AD/B - SMA 1 1/4 - 4.13	1.250	4.13	2.75	2.44	UNF5/8-18x40L	2
EH321BX		BT40 AD/B - SMA 1 1/2 - 4.72	1.500	4.72	3.81	2.44	UNF3/4-16x47L	2
EI310X	50	BT50 - SMA 3/4 - 3.50	0.750	3.50	1.69	-	UNF3/8-24x24L	1
EI314X		BT50 - SMA 1.0 - 4.00	1.000	4.00	2.19	-	UNF1/2-20x32L	1
EI317X		BT50 - SMA 1 1/4 - 4.00	1.250	4.00	2.75	-	UNF5/8-18x40L	1
EI321X		BT50 - SMA 1 1/2 - 4.00	1.500	4.00	3.81	-	UNF3/4-16x47L	1
EI329X		BT50 - SMA 2.0 - 4.00	2.000	4.00	4.88	3.86	UN1-14x48L	2

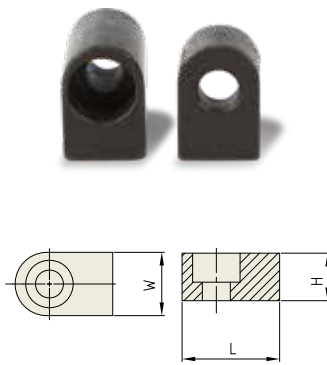
COLLAR BOLT & DRIVE KEY

SMA

COLLAR BOLT



DRIVE KEY



KEY BOLT

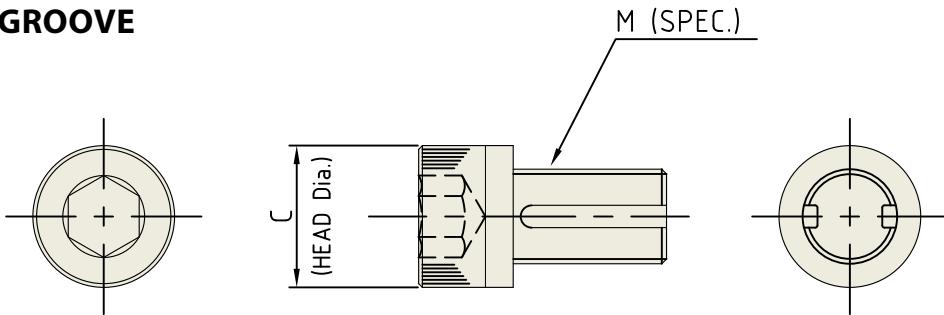


Accessory (Inch)

Pilot Dia.	Collar Bolt			Drive Key	
	Spec.	Head Dia. (mm)	EDP No.	Spec. (W x H x L)	EDP No.
1/2	UNF1/4-28x16L	15.7	ZZ031	1/4x1/4x5/16	ZZ021
3/4	UNF3/8-24x24L	22.4	ZZ032	5/16x5/16x3/8	ZZ022
1	UNF1/2-20x32L	30.0	ZZ033	3/8x3/8x2/5	ZZ023
1-1/4	UNF5/8-18x40L	38.1	ZZ034	1/2x1/2x1/2	ZZ024
1-1/2	UNF3/4-16x47L	47.7	ZZ035	5/8x7/15x0.73	ZZ025
2	UN1-14x48L	50.8	ZZ036	3/4x0.7x0.87	ZZ026

* Key Bolt is included with the Drive Key.

COOLANT GROOVE



Accessory (Inch)

Pilot Dia.	Collar Bolt		
	Spec.	Head Dia. (mm)	EDP No.
1/2	UNF1/4-28x25.4L	3/8 (9.52)	ZZ251
3/4	UNF3/8-24x25.4L	9/16 (14.27)	ZZ252
3/4	UNF3/8-24x38.1L	9/16 (14.27)	ZZ254
1	UNF1/2-20x31.75L	3/4 (19.05)	ZZ253
1	UNF1/2-20x50.8L	3/4 (19.05)	ZZ255
1-1/4	UNF5/8-18x38.1L	15/16 (23.81)	ZZ256
1-1/2	UNF3/4-16x44.45L	1 1/8 (28.575)	ZZ257
2	UN1-14x50.8L	1 1/2 (38.1)	ZZ258





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