HN·NC
PRECISION TOOL

P	M	K	N	N	S	H
钢	不锈钢	铸铁	非铁	铝	难削材	高硬度材
◎	○	◎	○	○	○	

钻夹头 DRILL CHUCK

高刚性 / Strong Rigidity

- 钻孔时由于逆堆力而出现造成钻头的破损。
- 钻夹头是通过使用扳手扭紧工具和 钻夹头,钻头无破损出现。

–Strong unified Drill Chuck and Arbor Body

安全性 / Safety

- 一体型的构造及高刚性的NC 钻夹头可预防加工时可能发生的事故，为无人操作自动化加工车间运作做出贡献。
- 可预防超高速旋转时发生的钻夹头脱落发生。
- 可预防急速停止时发生的钻夹头及钻头脱落
- 可预防钻孔时由于逆堆力而造成钻头的破损。

– Do not out a drill at high speed machining
– Do not broken a drill due to reverse thrust after finishing drilling
– Chuck never dispatched at the sudden stop of main spindle

高精度 (TIR 0.04) / T.I.R accuracy

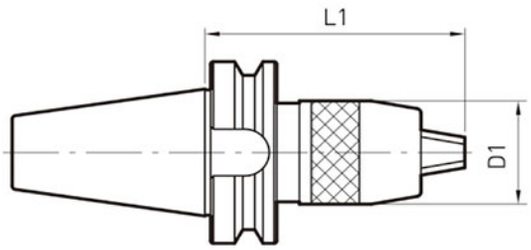
· 一体型构造，显著同芯度。
· 低于 0.04mm

把持力对比表

Drill Chuck	Chucking 加紧方法 Clamping Method	扭转荷重 Torsion Load	对比 % Latio
加紧方法 Keyless Chuck	手动夹紧 By Hand	0.7kgf–m	100
NPU Chucking	手动夹紧 By Hand	0.7kgf–m	100
NPU +Wrench	扳手加紧 By Wrench	2.2kgf–m	314

DRILL CHUCK 钻夹头

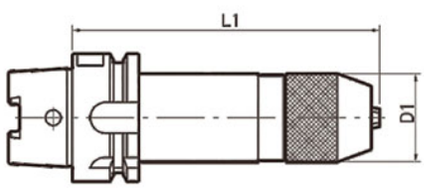
MAS403 BT–NPU



椎体 Taper AT3 mm

CODE NO.		Chuchking	D1	L1	
				MIN	MAX
BT30	NPU 8 - 70	1- 8	38.5	72	78
	NPU13 - 105	1-13	50.5	97	108
BT40	NPU 8 - 70	1- 8	38.5	72	78
	NPU 8 - 110			111	117
	NPU 8 - 155			156	162
	NPU13 - 100	1-13	50.5	100	111
	NPU13 - 130			132	143
	NPU13 - 175			177	188
BT50	NPU 8 - 85	1- 8	38.5	83	89
	NPU 8 - 110			111	117
	NPU 8 - 170			171	177
	NPU13 - 100	1-13	50.5	100	111
	NPU13 - 130			132	143
	NPU13 - 190			192	203

DIN69893 HSK/A–NPU

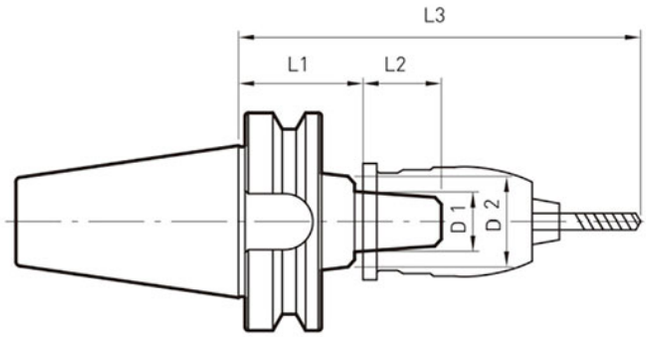


椎体 Taper AT3 mm

CODE NO.		Chucking	D1	L1	
				MIN	MAX
HSK50A	NPU 8 - 140	1- 8	38.5	141	147
HSK63A	NPU 8 - 140	1- 8			
	NPU13 - 140	1-13	50.5	142	153
HSK100A	NPU 8 - 150	1- 8	38.5	151	157
	NPU13 - 170	1-13	50.5	172	183

JACOBS TAPER ARBOR JTA 钻夹头刀柄

MAS403 BT-JTA



椎体 Taper AT3 mm

CODE NO.		JT. NO	D1	D2	L1	L2	WEIGHT (Kg)
BT40	JTA 1 - 45	1	9.754	30	45	15	1.2
	JTA 1 - 90				90		1.4
	JTA2S - 45	2SHORT	13.94		45	18	1.2
	JTA2S - 90				90		1.4
	JTA 2 - 45	2	14.199		45	20	1.2
	JTA 2 - 90				90		1.4
	JTA33 - 45	33	15.85		45	24	1.2
	JTA33 - 90				90		1.4
	JTA 6 - 45	6	17.17	45	45		1.2
	JTA 6 - 90				90		1.5
BT50	JTA 1 - 45	1	9.754	30	45	15	4.0
	JTA 1 - 105				105		4.2
	JTA2S - 45	2SHORT	13.94		45	18	4.0
	JTA2S - 105				105		4.2
	JTA 2 - 45	2	14.199		45	20	4.0
	JTA 2 - 105				105		4.2
	JTA33 - 45	33	15.85		45	24	4.0
	JTA33 - 105				105		4.2
	JTA 6 - 45	6	17.17	45	45		4.0
	JTA 6 - 105				105		4.2

DRILL DIA	Drill depth	L3
2.0-2.1	55	171.5
2.2-2.3	58	174.0
2.4-2.5	61	176.5
2.0-2.7	64	179.5
2.8	67	182.0
2.9-3.2	71	185.5
3.3-3.5	73	187.5
3.6-3.8	76	190.0

DRILL DIA	Drill depth	L3
3.9	79	192.5
4.0-4.3	83	196.0
4.4-4.6	86	199.0
4.7-4.8	89	201.5
4.9-5.1	92	204.0
5.2-5.5	95	206.5
5.6-5.9	98	209.5
6.0-6.3	102	212.5

DRILL DIA	Drill depth	L3
6.4-7.0	105	214.5
7.1-7.3	108	217.0
7.4-7.6	111	219.5
7.7-8.0	114	222.0
8.1-8.3	117	224.5
8.4-8.7	121	206.5
8.8-9.1	124	230.5
9.2-9.5	127	233.0

DRILL DIA	Drill depth	L3
9.6-10.0	130	235.0
10.1-10.4	133	237.5
10.5-10.7	137	241.0
10.8-11.1	140	243.5
11.2-11.5	143	246.0
11.6-11.9	146	248.5
12.0-12.3	149	251.0
12.4-13.0	152	253.0

MORSE TAPER ADAPTER 莫式钻头刀柄

MAS403 BT–MTA

TANG TYPE 工具上使用的刀柄。
– With Tang

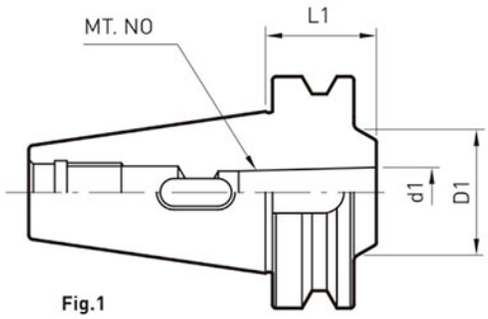


Fig.1

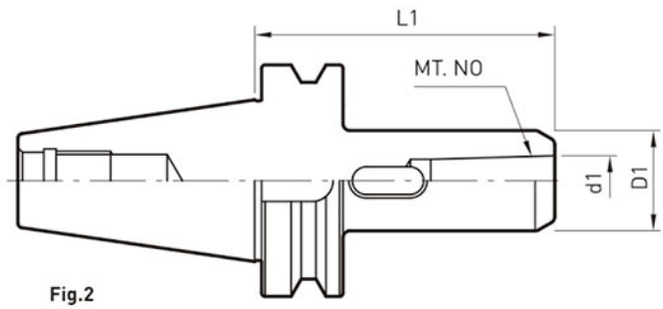


Fig.2

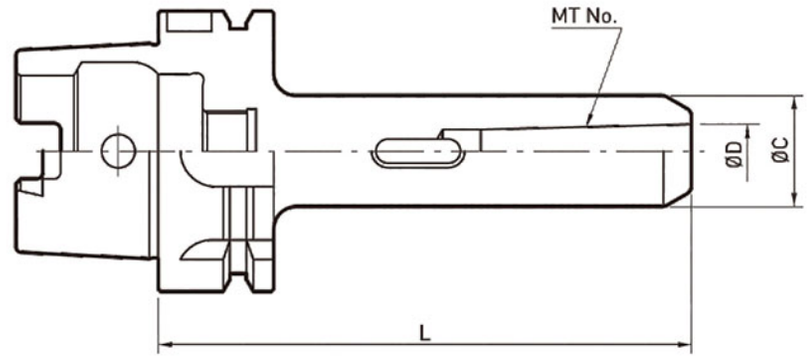
椎体 Taper AT3 mm

	CODE NO.	FIG	MT.NO	d1	DRILL 능력 MIN.	DRILL 능력 MAX.	D1	L1	WEIGHT (Kg)
BT30	MTA1 - 45	1	1	12.065	13.5	14.0	25	45	0.8
	MTA2 - 60		2	17.780	14.1	23.0	32	60	0.9
BT40	MTA1 - 45	1	1	12.065	13.5	14.0	25	45	1.0
	MTA1 - 120	2						120	1.3
	MTA2 - 60	1	2	17.780	14.1	23.0	32	60	1.1
	MTA2 - 120	2						120	1.4
	MTA3 - 75	1	3	23.825	23.1	32.0	40	75	1.2
	MTA3 - 135	2						135	1.8
	MTA4 - 95	1	4	31.267	32.1	50.0	48	95	1.4
	MTA4 - 165	2						165	2.4
BT50	MTA1 - 45	1	1	12.065	13.5	14.0	25	45	4.0
	MTA1 - 120	2						120	4.3
	MTA1 - 180							180	4.3
	MTA2 - 45	1	2	17.780	14.1	23.0	32	45	4.0
	MTA2 - 135	2						135	4.4
	MTA2 - 180							180	4.6
	MTA3 - 45	1	3	23.825	23.1	32.0	40	45	3.9
	MTA3 - 150	2						150	4.7
	MTA3 - 180							180	4.9
	MTA4 - 75	1	4	31.267	32.1	50.0	48	75	5.0
	MTA4 - 180	2						180	5.4
	MTA5 - 105	1	5	44.399	50.1	75.0	63	105	4.6

MORSE TAPER ADAPTER 莫式钻头刀柄

DIN69893 HSK/A-MTA

– With Tang



椎体 Taper AT3 mm

CODE NO.		MT No.	ØD	ØC	L
HSK50A	MTA1–110	1	12.065	25	110
	MTA2–135	2	17.780	32	135
	MTA3–155	3	23.825	40	155
HSK63A	MTA1–120	1	12.065	25	120
	MTA2–135	2	17.780	32	135
	MTA3–155	3	23.825	40	155
	MTA4–165	4	31.267	48	165
HSK100A	MTA1–120	1	12.065	25	120
	MTA2–135	2	17.780	32	135
	MTA3–160	3	23.825	40	160
	MTA4–185	4	31.267	48	185
	MTA5–215	5	44.399	63	215

MORSE TAPER ADAPTER 莫式钻头刀柄

MAS403 BT-MTB

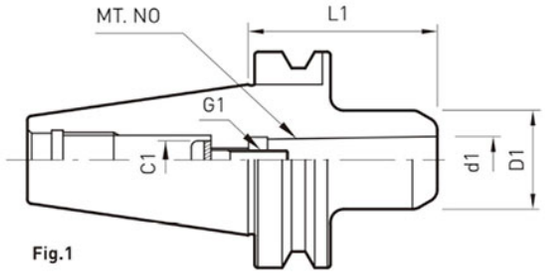


Fig.1

Draw Bolt Type

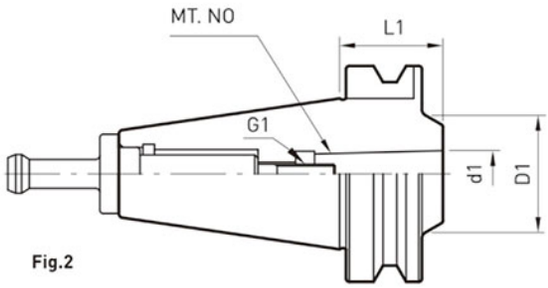


Fig.2

Pull Stud Bolt Type

* 可使用牵引螺栓型的铣刀，铰刀等。
– With Draw Bolt

椎体 Taper AT3 mm

CODE NO.		FIG	MT No.	d1	D1	L1	Draw Bolt Type C1	Pull Stud Bolt Type CODE	G1	WEIGHT(kg)
BT30	MTB1–45	1	1	12.065	25	45	10.1	——	M6X1.0	0.8
	MTB2–60	2	2	17.780	32	60	——	MTB2	M10X1.5	0.8
BT40	MTB1–45	1	1	12.065	25	45	10.0	——	M6X1.0	1.0
	MTB2–60		2	17.780	32	60	13.5	——	M10X1.5	1.1
	MTB3–45	2	3	23.825	40	45	——	MTB3	M12X1.75	1.1
	MTB4–85		4	31.267	48	85	——	MTB4	M16X2.0	1.3
BT50	MTB1–45	1	1	12.065	25	45	10.0	——	M6X1.0	3.9
	MTB2–45		2	17.780	32	45	16.0	——	M10X1.5	3.9
	MTB3–60		3	23.825	40	60	18.0	——	M12X1.75	3.9
	MTB4–75		4	31.267	48	75	20.5	——	M16X2.0	3.9
	MTB5–105	2	5	44.399	70	105	——	MTB5	M20X2.5	4.0

牵引螺栓需格外购买。
*Draw Bolt to be purchased separately

NOTE 注意

*Fig1 --使用专门的 牵引螺栓。
*Fig2 -- 使用特殊拉丁螺栓。

· Fig 1 to be used special Draw Bolt
· Fig 2 to used special P/S bolt

END MILL HOLDER 莫式钻头刀柄

MAS403 BT-EMH

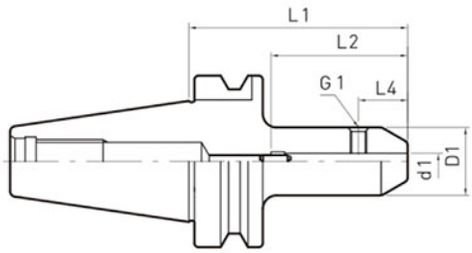


Fig1

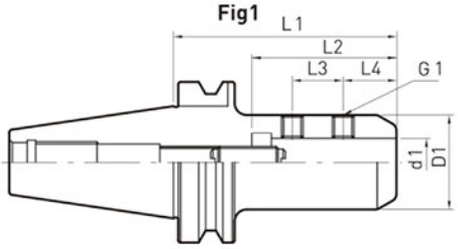


Fig2

椎体 Taper AT3　冷却型 Coolant AD　mm

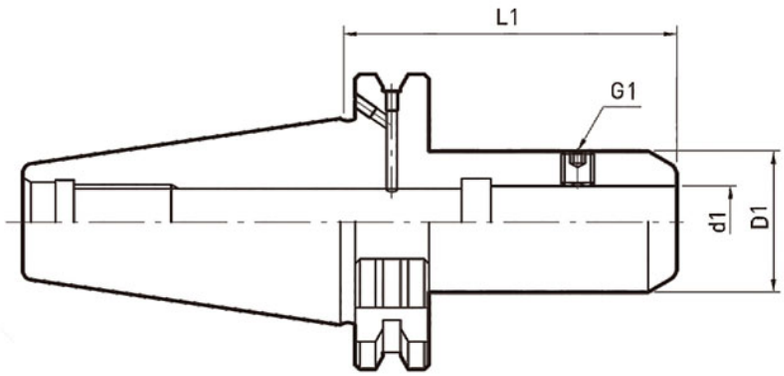
CODE NO.		d1	D1	L1	L2	L3	L4	G1	FIG
BT30	EMH 6 – 60	6	25	60	50	–	18	M 6X0.75	1
	EMH 8 – 60	8	28					M 8X1.0	
	EMH 10 – 60	10	35	60	54		20	M10X1.25	
	EMH 12 – 60	12	37	60	59		22.5		
	EMH 16 – 75	16	40	75	62	20	24		2
	EMH 20 – 75	20	43	75	64				
	EMH 25 – 75	25	48	75	69	20	20		
BT40	EMH 6 – 80	6	25	80	50	–	18	M 6X0.75	1
	EMH 8 – 80	8	28					M 8X1.0	
	EMH 10 – 80	10	35		54		20	M10X1.25	
	EMH 12 – 80	12	42		59		22.5	M12X1.5	
	EMH 16 – 80	16	48		62	20	24		2
	EMH 20 – 90	20	52	90	69			M16X1.5	
	EMH 25 – 90	25	55		74	25			
	EMH 32 – 105	32	60	105	78	28			
BT50	EMH 6 – 90	6	25	90	50	–	18	M 6X0.75	1
	EMH 8 – 90	8	28					M 8X1.0	
	EMH 10 – 90	10	35	90	54		20	M10X1.25	
	EMH 12 – 90	12	42		59		22.5	M12X1.5	
	EMH 16 – 105	16	48	105	62	20	24		2
	EMH 20 – 105	20	52		69			M16X1.5	
	EMH 25 – 105	25	62		74	25			
	EMH 32 – 105	32	75		78	28			
	EMH 40 – 120	40	80	120	88	32	30	M20X2.0	
	EMH 42 – 120	42							
	EMH 50 – 120	50	100		98	35	35		
	● EMH 50.8 – 120	50.8			94	36	34		

NOTE 注意

表格中最底●标志规格 为Saddle pin Type (DIN 1835C)铣刀用 · The model ●mark is for saddle Pin Type(for DIN 1835C)

END MILL HOLDER 侧固式刀柄

DIN69871 SK-EMH



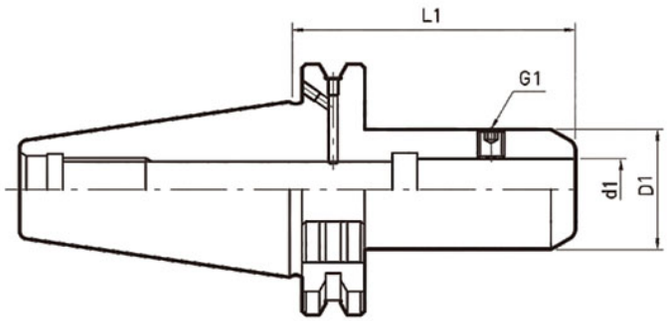
椎体 Taper AT3　冷却型 Coolant AD

mm

CODE NO.		d1	D1	L1	G1
SK40	EMH 6-50	6	25	50	M6
	EMH 6-100			100	
	EMH 8-50	8	28	50	M8
	EMH 8-100			100	
	EMH10-50	10	35	50	M10
	EMH10-100			100	
	EMH12-50	12	42	50	M12
	EMH12-100			100	
	EMH14-50	14	44	50	M12
	EMH14-100			100	
	EMH16-63	16	48	63	M14
	EMH16-100			100	
	EMH18-63	18		63	
	EMH18-100			100	
	EMH20-63	20	52	63	M16
	EMH20-100			100	
	EMH25-100	25	55	100	M16
	EMH32-100	32	60	100	

END MILL HOLDER 侧固式刀柄

DIN69871 SK-EMH



椎体 Taper AT3　冷却型 Coolant AD

mm

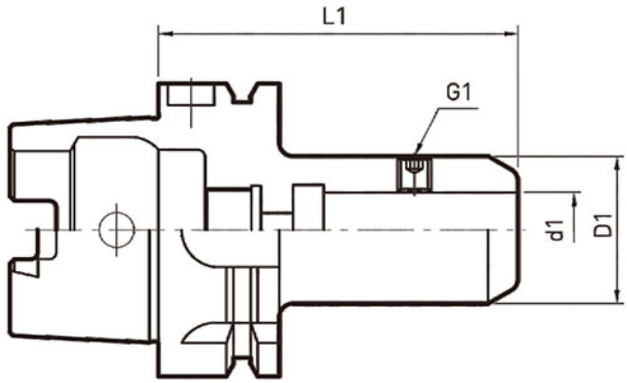
CODE NO.		d1	D1	L1	G1
SK50	EMH 6-63	6	25	63	M6
	EMH 6-100			100	
	EMH 6-160			160	
	EMH 8-63	8	28	63	M8
	EMH8-100			100	
	EMH8-160			160	
	EMH10-63	10	35	63	M10
	EMH10-100			100	
	EMH10-160			160	
	EMH12-63	12	42	63	M12
	EMH12-100			100	
	EMH12-160			160	
	EMH14-63	14	44	63	
	EMH14-100			100	
	EMH14-160			160	
	EMH16-63	16	48	63	M14
	EMH16-100			100	
	EMH16-160			160	
	EMH18-63	18		63	
	EMH18-100			100	
	EMH18-160			160	
	EMH20-63	20	52	63	M16
	EMH20-100			100	
	EMH20-160			160	
	EMH25-63	25	62	80	M16
	EMH25-100			100	
	EMH25-160			160	
	EMH32-100	32	75	100	M20
	EMH32-160			160	
	EMH40-100	40	80	100	
	EMH40-160			160	

HN·NC
PRECISION TOOL

P	M	K	N	N	S	H
钢	不锈钢	铸铁	非铁	铝	难削材	高硬度材
◎	○	◎	○	○	○	

END MILL HOLDER 侧固式刀柄

DIN69893 HSK/A-EMH



mm

CODE NO.		d1	D1	L1	G1
HSK50A	EMH 6 - 65	6	25	65	M6
	EMH 8 - 65	8	28	65	M8
	EMH10 - 65	10	35	65	M10
	EMH12 - 80	12	42	80	M12
	EMH16 - 80	16	48	80	M14
	EMH20 - 80	20	52	80	M16
HSK63A	EMH 6 - 65	6	25	65	M6
	EMH 6 - 100	6	25	100	M6
	EMH 6 - 160	6	25	160	M6
	EMH 8 - 65	8	28	65	M8
	EMH 8 - 100	8	28	100	M8
	EMH 8 - 160	8	28	160	M8
	EMH10 - 65	10	35	65	M10
	EMH10 - 100	10	35	100	M10
	EMH10 - 160	10	35	160	M10
	EMH12 - 80	12	42	80	M12
	EMH12 - 160	12	42	160	M12
	EMH14 - 80	14	44	80	M12
	EMH14 - 160	14	44	160	M12
	EMH16 - 80	16	48	80	M14
	EMH16 - 160	16	48	160	M14
	EMH18 - 80	18	50	80	M14
	EMH18 - 160	18	50	160	M14
	EMH20 - 80	20	52	80	M16
	EMH20 - 160	20	52	160	M16
	EMH25 - 110	25	62	110	M16
	EMH25 - 160	25	62	160	M16
	EMH32 - 110	32	75	110	M20
	EMH32 - 160	32	75	160	M20

椎体 Taper AT3　冷却型 Coolant AD　mm

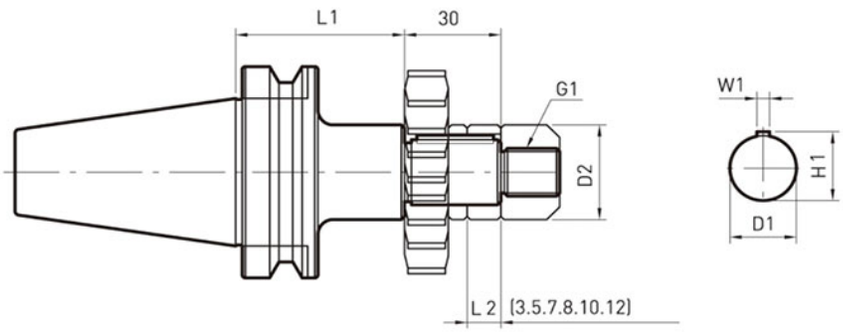
CODE NO.		d1	D1	L1	G1
HSK100A	EMH 6 - 80	6	25	80	M6
	EMH 6 - 160	6	25	160	M6
	EMH 8 - 80	8	28	80	M8
	EMH 8 - 160	8	28	160	M8
	EMH10 - 80	10	35	80	M10
	EMH10 - 160	10	35	160	M10
	EMH12 - 80	12	42	80	M12
	EMH12 - 160	12	42	160	M12
	EMH14 - 80	14	44	80	M12
	EMH14 - 160	14	44	160	M12
	EMH16 - 100	16	48	100	M14
	EMH16 - 160	16	48	160	M14
	EMH18 - 100	18	50	100	M14
	EMH18 - 160	18	50	160	M14
	EMH20 - 100	20	52	100	M16
	EMH20 - 160	20	52	160	M16
	EMH25 - 100	25	62	100	M16
	EMH25 - 160	25	62	160	M16
	EMH32 - 100	32	75	100	M20
	EMH32 - 160	32	75	160	M20

HN·NC
PRECISION TOOL

P	M	K	N	N	S	H
钢	不锈钢	铸铁	非铁	铝	难削材	高硬度材
◎	○	◎	○	○	○	

SIDE CUTTER ARBOR 侧铣刀柄

MAS403 BT–SCA



椎体 Taper AT3 mm

英制型号 INCH TYPE

CODE NO.			D2	H1		W1		G1	WEIGHT (Kg)
TAPER	D1	L1		INCH	METRIC	INCH	METRIC		
BT40	SCA12.7	60	20	——	——	——	——	M12X1.75	1.3
	SCA12.7	90							1.4
	SCA15.875	75	26	17.42	17.2	3.18	4	M14X1.5	1.4
	SCA15.875	105							1.5
	SCA22.225	75	34	23.82	23.6	3.18	6	M20X1.5	1.6
	SCA22.225	120							1.9
	SCA25.4	75	40	27.78	29.0	6.35	7	M24X2.0	2.1
	SCA25.4	120							2.5
	SCA31.75	90	46	34.92	34.0	7.92	8	M30X2.0	2.5
BT50	SCA12.7	75	20	——	——	——	——	M12X1.75	3.7
	SCA12.7	105							3.8
	SCA15.875	90	26	17.42	17.2	3.18	4	M14X1.5	4.0
	SCA15.875	120							4.1
	SCA22.225	90	34	23.82	23.6	3.18	6	M20X1.5	4.3
	SCA22.225	135							4.6
	SCA25.4	90	40	27.78	29.0	6.35	7	M24X2.0	4.7
	SCA25.4	135							5.1
	SCA31.75	90	46	34.92	34.0	7.92	8	M30X2.0	5.1
	SCA31.75	135							5.7
	SCA38.1	90	55	42.06	42.5	9.52	10	M36X3.0	5.8
	SCA38.1	135							6.8

METRIC TYPE

CODE NO.		
TAPER	D1	L1
BT40	SCA13	60
		90
	SCA16	75
		105
	SCA22	75
		120
	SCA27	75
		120
	SCA32	90
BT50	SCA13	75
		105
	SCA16	90
		120
	SCA22	90
		135
	SCA27	90
		135
	SCA32	90
		135
	SCA40	90
		135

NOTE 注意

*使用 JIS B4206，JIS B4219，JIS B4107，JIS B4109的侧铣刀
*key 和collar 类 是贴附在Arbor上。
*重量为不包含collar 重量。

· Using with Side Cutter standard JIS V4206, JIS B4219, JIS B4107, JIS B41092.
· Key and Collars to be supplied with the Arbor.
· Specified weight are not including Cutter weight.

HN·NC
PRECISION TOOL

P	M	K	N	N	S	H
钢	不锈钢	铸铁	非铁	铝	难削材	高硬度材
◎	○	◎	○	○	○	

FACE MILL ARBOR 面铣刀柄

MAS403 BT–FMA

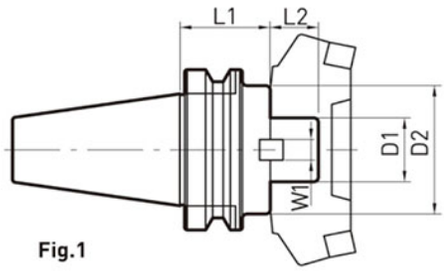


Fig.1

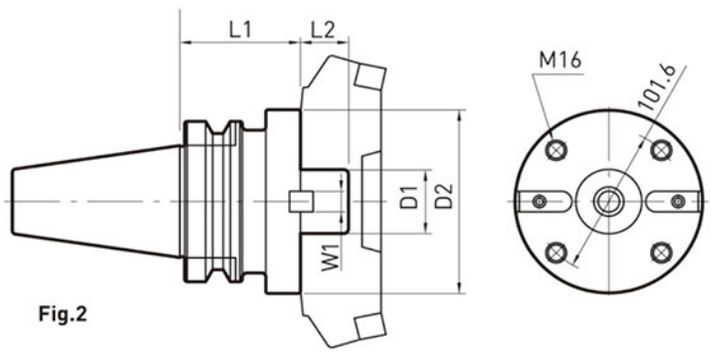


Fig.2

椎体 Taper AT3 mm

CODE NO.			FIG	L2	D2	W1	D4	L4	WEIGHT (Kg)
TAPER	D1	L1							
BT30	FMA25.4	45	1	22	50	9.5	33	10	1.3
BT40	FMA25.4	45	1	22	50	9.5	33	10	1.5
BT40	FMA25.4	90	1	22	50	9.5	33	10	3.1
BT40	FMA31.75	45	1	30	60	12.7	40	10	1.7
BT40	FMA31.75	75	1	30	60	12.7	40	10	3.1
BT40	FMA38.1	60	1	34	80	15.9	50	14	2.9
BT50	FMA25.4	45	1	22	50	9.5	33	10	3.7
BT50	FMA25.4	90	1	22	50	9.5	33	10	4.6
BT50	FMA25.4	150	1	22	50	9.5	33	10	5.5
BT50	FMA31.75	45	1	30	60	12.7	40	10	4.5
BT50	FMA31.75	75	1	30	60	12.7	40	10	5.3
BT50	FMA31.75	105	1	30	60	12.7	40	10	6.1
BT50	FMA38.1	45	1	34	80	15.9	50	14	4.3
BT50	FMA38.1	75	1	34	80	15.9	50	14	5.6
BT50	FMA50.8	45	1	36	98	19	65	14	4.9
BT50	FMA50.8	75	1	36	98	19	65	14	6.8
BT50	FMA47.625	75	2	38	128.57	25.4	——	——	7.7

NOTE 注意

· 重量为不包含FACE CUTTER 重量.

· Specified weight are not including Face Cutter.

HN·NC
PRECISION TOOL

P 钢 | M 不锈钢 | K 铸铁 | N 非铁 | N 铝 | S 难削材 | H 高硬度材

FACE MILL ARBOR 面铣刀柄

DIN69893 HSK-FMA

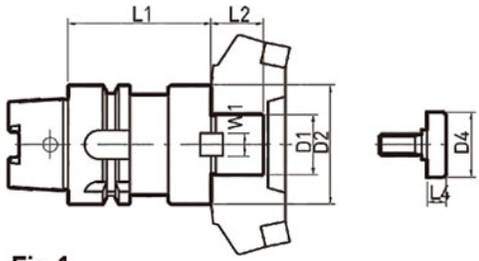


Fig.1

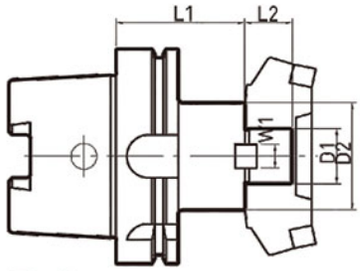


Fig.2

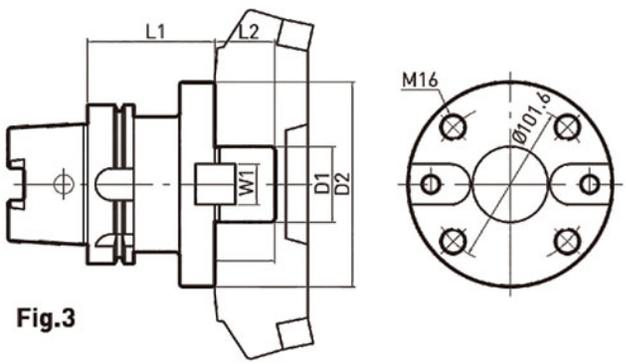


Fig.3

椎体 Taper AT3

CODE NO.			FIG	L2	D2	W1	D4	L4
TAPER	D1	L1						
HSK50A	FMA25.4	60	1	22	50	9.5	33	10
HSK63A	FMA31.75	65		30	60	12.7	40	
	FMA38.1			34	80	15.9	50	14
HSK100A	FMA25.4	60	2	22	50	9.5	33	10
	FMA31.75	65		30	60	12.7	40	
	FMA38.1			34	80	15.9	50	14
	FMA50.8	75		36	98	19	65	
	FMA47.625	80	3	38	128.57	25.4		

P 钢 ○ | M 不锈钢 ○ | K 铸铁 ◎ | N 非铁 ○ | N 铝 ○ | S 难削材 ○ | H 高硬度材

FACE MILL ARBOR 面铣刀柄

MAS403 BT-FMB

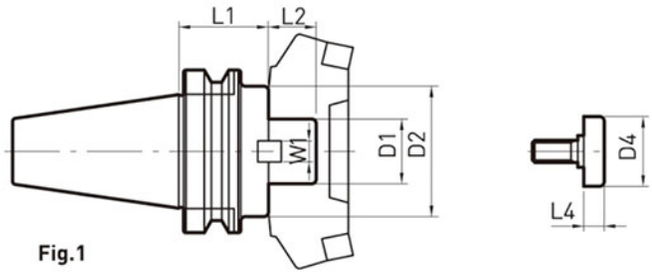


Fig.1

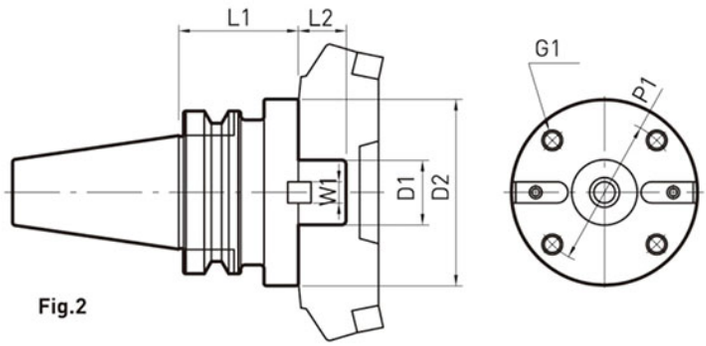


Fig.2

椎体 Taper AT3 mm

英制型号INCH TYPE

CODE NO.			FIG	L2	D2	W1		G1	P1	D4	L4	WEIGHT (Kg)
TAPER	D1	L1				INCH	METRIC					
BT30	FMB25.4	45	1	26	80	9.5	12	—	—	33	10	1.7
BT40	FMB25.4	60	1	26	80	9.5	12	—	—	33	10	2.5
BT40	FMB25.4	90	1	26	80	9.5	12	—	—	33	10	4.7
BT40	FMB38.1	60	1	26	85	15.9	16	—	—	50	14	7.4
BT50	FMB25.4	45	1	26	80	9.5	12	—	—	33	10	4.0
BT50	FMB25.4	90	1	26	80	9.5	12	—	—	33	10	5.8
BT50	FMB25.4	150	1	26	80	9.5	12	—	—	33	10	8.2
BT50	FMB38.1	45	1	26	85	15.9	16	—	—	50	14	4.7
BT50	FMB38.1	75	1	26	85	15.9	16	—	—	50	14	6.1
BT50	FMB38.1	105	1	26	85	15.9	16	—	—	50	14	8.7
BT50	FMB38.1F	75	2	25	110			M12	66.7			6.6
BT50	—	—	2	25	140		25.4	M16	101.6	—	—	7.9

米制型号METRIC TYPE

CODE NO.		
TAPER锥柄	D1	L1
BT30	FMB27	45
BT40	FMB27	60
BT40	FMB27	90
BT40	FMB40	60
BT50	FMB27	45
BT50	FMB27	90
BT50	FMB27	150
BT50	FMB40	45
BT50	FMB40	75
BT50	FMB40	105
BT50	FMB40F	75
BT50	FMB60	75

NOTE 注意

· 重量为不包含FACE CUTTER 重量.

· Specified weight are not including Face Cutter.

HN·NC
PRECISION TOOL

P	M	K	N	N	S	H
钢	不锈钢	铸铁	非铁	铝	难削材	高硬度材
◎	○	◎	○	○	○	

FACE MILL ARBOR 面铣刀柄

MAS403 BT-FMC

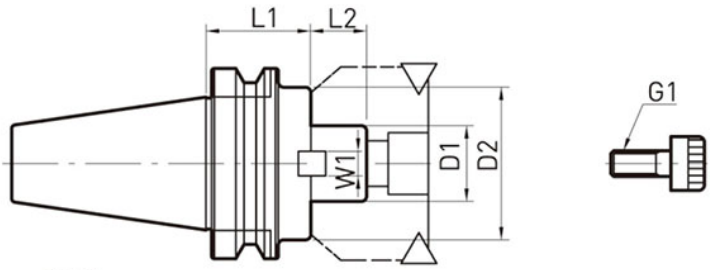


Fig.1

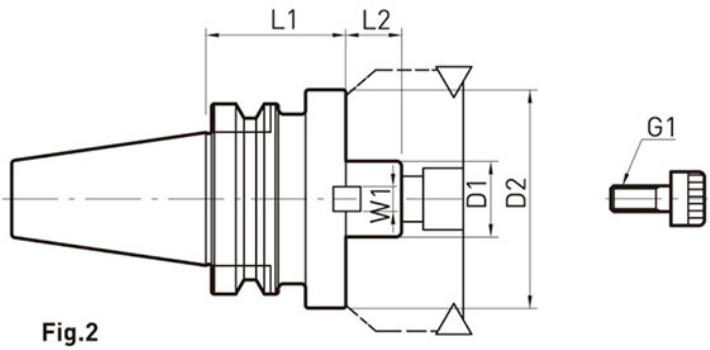


Fig.2

椎体 Taper AT3 mm

英制型号 INCH TYPE

CODE NO.			FIG	L2	D2	W1		G1	WEIGHT (Kg)
TAPER	D1	L1				INCH	METRIC		
BT30	———	——	1	18	45	——	10	M10X30	1.4
BT40	FMC25.4	60	2	20	70	9.5	12	M12X35	1.5
		90							2.2
	FMC38.1	60		22	85	15.9	14	M16X35	2.3
		75							2.6
BT50	———	——	1	18	45	——	10	M10X30	4.2
									4.7
									5.3
	FMC25.4	45		20	70	9.5	12	M12X35	4.1
		90							5.5
		150							7.3
	FMC38.1	45		22	85	15.9	14	M16X35	4.2
		75							5.5
		105							7.0

米制型号 METRIC TYPE

CODE NO.		
TAPER 锥柄	D1	L1
BT30	FMC22	40
BT40		45
		90
	FMC27	60
		90
	FMC32	60
		75
BT50	FMC22	60
		105
		150
	FMC27	45
		90
		150
	FMC32	45
		75
		105

NOTE 注意

· 重量为不包含FACE CUTTER重量.

· Specified weight are not including Face Cutter.

HN·NC
PRECISION TOOL

P	M	K	N	N	S	H
钢	不锈钢	铸铁	非铁	铝	难削材	高硬度材
◎	○	◎	○	○	○	

FACE MILL ARBOR 面铣刀柄

DIN69893 HSK/A–FMC

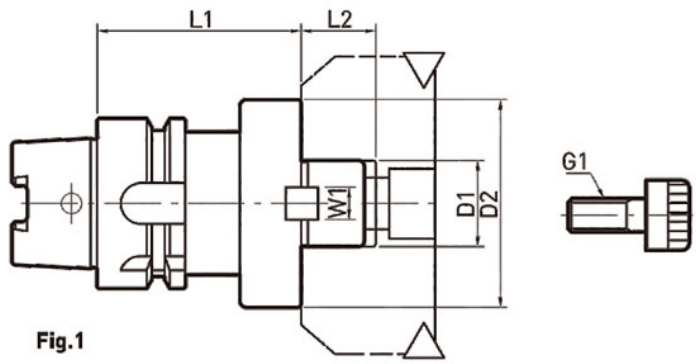


Fig.1

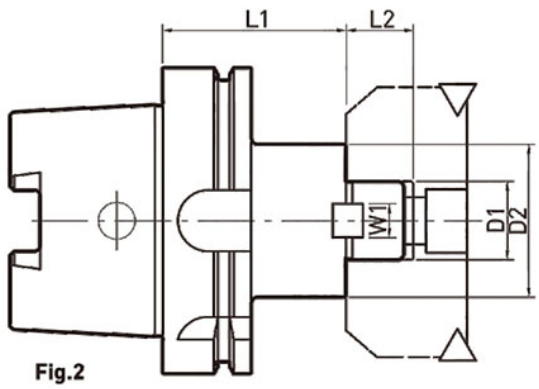


Fig.2

米制型号 METRIC TYPE

椎体 Taper AT3 mm

CODE NO.			FIG	L2	D2	W1	G1
TAPER	D1	L1				METRIC	
HSK40A	FMC16	45	1	17	38	8	M8 x3.0
	FMC22	45		18	45	10	M10x3.0
HSK50A	FMC16	45	2	17	38	8	M8 x3.0
	FMC22	50		18	45	10	M10x3.0
	FMC27	50	1	20	70	12	M12x3.5
	FMC32	50		22	85	14	M16x3.5
HSK63A	FMC16	60	2	17	38	8	M8 x3.0
	FMC22	60		18	45	10	M10x3.0
	FMC27	60	1	20	70	12	M12x3.5
	FMC32	60		22	85	14	M16x3.5
HSK100A	FMC16	75	2	17	38	8	M8 x3.0
	FMC22	75		18	45	10	M10x3.0
	FMC27	75		20	70	12	M12x3.5
	FMC32	75		22	85	14	M16x3.5

HN·NC
PRECISION TOOL

P	M	K	N	N	S	H
钢	不锈钢	铸铁	非铁	铝	难削材	高硬度材
◎	○	◎	○	○	○	

FACE MILL ARBOR 面铣刀柄

DIN2080 NT–FMA

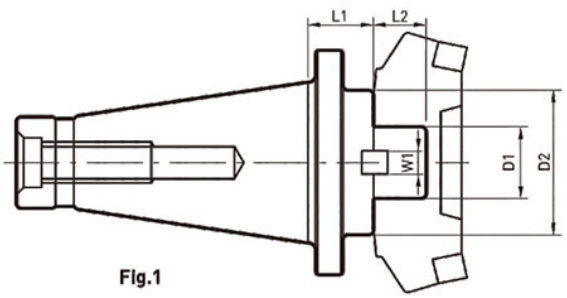


Fig.1

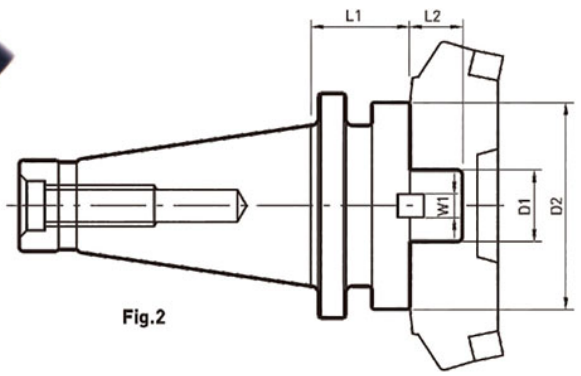
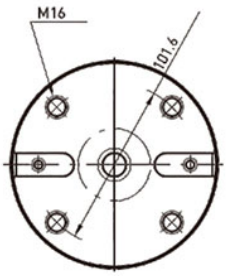


Fig.2



· JIS B4113 Face Mill
KOREA TUNGSTEN, KORLOY, IGETALLOY, MITSUBISHI,
TUNGALOY, DI JET, HITACHI

mm

CODE NO.			FIG	L2	D2	W1	D4	L4
TAPER	D1	L1						
NT40	FMA 25.4	30	1	22	50	9.5	33	10
	FMA 31.75			30	60	12.7	40	
	FMA 38.1			34	80	15.9	50	14
	FMA 50.8			36	98	19.05	65	
NT50	FMA 25.4			22	50	9.5	33	10
	FMA 31.75			30	60	12.7	40	
	FMA 38.1			34	80	15.9	50	14
	FMA 50.8	28		36	97.5	19.05	65	
	FMA 47.625	45	2	38	128.57	25.4	-	-

NOTE注意

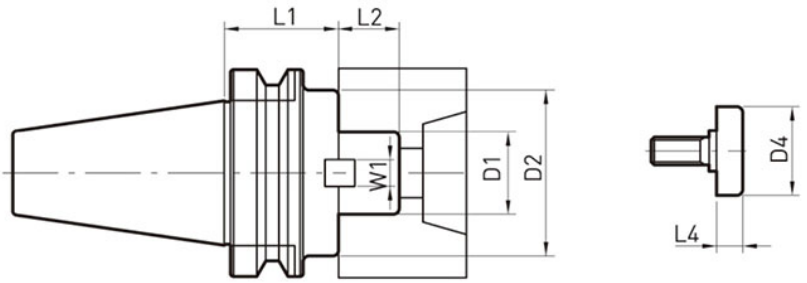
* 请确定 牵引螺栓
例如： NT50M-FMA25.4(米制)NT50U-FMA25.4 (英制)
* 如不确定牵引螺栓的就，将按NT40.NT50 英制尺寸出库。

· Please make designate the Draw Bolt dimension between Inch and Metric depend on using Face Mill.
· Unless any notifying, NT40 and NT50 will be supplied with Inch Draw bolt.

SHELL END MILL ARBOR 端铣刀刀柄

MAS403 BT-SMA

–JIS B4214 SHELL END MILL 용
–For JIS B4214 Shell End Mill



锥体 Taper AT3 mm

英制型号 INCH TYPE

CODE NO.			L2	D2	W1	D4	L4	WEIGHT (Kg)
TAPER	D1	L1						
BT30	SMA15.875	30	17	34	-	20	7	0.9
	SMA22.225		27	42		28	10	1.0
BT40	SMA15.875	60	17	34		20	7	1.3
		120						1.7
	SMA22.225	60	27	42		28	10	1.4
		120						2.1
	SMA25.4	45	36	50	10	33	10	1.4
		105						2.3
	SMA31.75	45	38	60		40		1.6
		75						2.3
	SMA38.1	60		80	12	50	14	3.0
BT50	SMA15.875	75	17	34	-	20	7	4.2
		120						5.8
	SMA22.225	75	27	42		28	10	4.3
		120						4.8
		180						5.5
	SMA25.4	60	36	50	10	33	10	4.3
		105						5.2
		150						5.8
	SMA31.75	45	38	60		40		4.2
		75						5.2
		105						6.2
	SMA38.1	45		80	12	50	14	4.3
		75						5.5

米制型号 METRIC TYPE

CODE NO.		
TAPER	D1	L1
BT30	SMA16	30
	SMA22	
BT40	SMA16	60
		120
	SMA22	60
		120
	SMA27	45
		105
	SMA32	45
		75
	SMA40	60
BT50	SMA16	75
		120
	SMA22	75
		120
		180
	SMA27	60
		105
		150
	SMA32	45
		75
		105
	SMA40	45
		75

NOTE 注意

· 重量为不包含FACE CUTTER 重量.

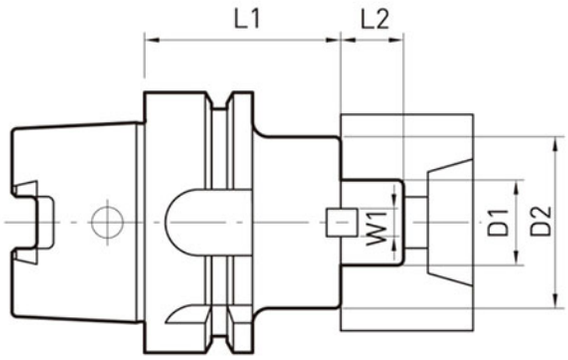
· Specified weight are not including Face Cutter.

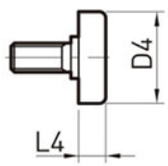
P	M	K	N	N	S	H
钢	不锈钢	铸铁	非铁	铝	难削材	高硬度材
◎	○	◎	○	○	○	

SHELL END MILL ARBOR 端铣刀刀柄

DIN69893 HSK/A-SMA

· JIS B4214 SHELL END MILL 용
· For JIS B4214 Shell End Mill



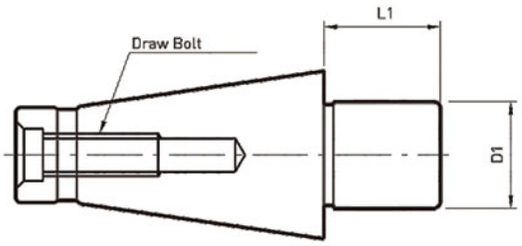


椎体 Taper AT3 mm

英制型号 INCH TYPE								米制型号 METRIC TYPE		
CODE NO.			L2	D2	W1	D4	L4	CODE NO.		
TAPER	D1	L1						TAPER	D1	L1
HSK50A	SMA15.875	30	17	34	-	20	7	HSK50A	SMA16	30
	SMA22.225		27	42	-	28	9		SMA22	
	SMA25.4	50	36	50	10	33	10		SMA27	50
HSK63A	SMA22.225	60	27	42	-	28	9	HSK63A	SMA22	60
	SMA25.4		36	50	10	33	10		SMA27	
	SMA31.75		38	60		40			SMA32	
	SMA38.1		38	80	12	50	14		SMA40	
HSK100A	SMA22.225	50	27	42	-	28	9	HSK100A	SMA22	50
	SMA25.4		36	50	10	33	10		SMA27	
	SMA31.75		38	60		40			SMA32	
	SMA38.1	60	38	80	12	50	14		SMA40	60

CENTERING PLUG 芯轴

DIN2080 NT–CPI

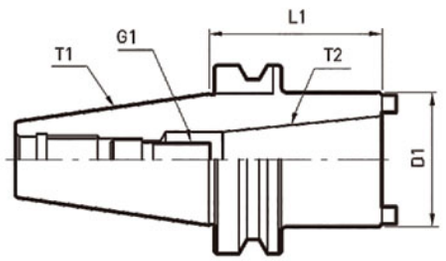


mm

CODE NO.		D1	L1	DRAW BOLT	
				INCH	METRIC
NT50	CPI47.625	47.625	40	1"-8UNC	M24X3.0
	CPI60	60	38		

TAPER SLEEVE ADAPTER 转接刀柄

MAS403 BT–TSA

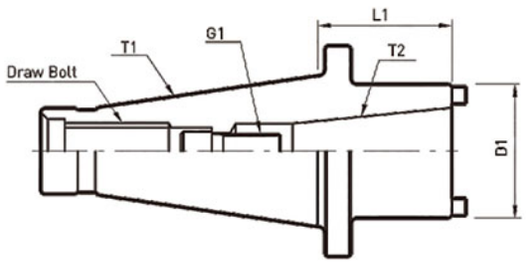


mm

CODE NO.		T1	T2	D1	L1	G1	WEIGHT (Kg)
BT50	TSA40M - 75	BT50	ISO40	70	75	M16X2	4.6
	TSA40U - 75					5/8-11UNC	

TAPER SLEEVE ADAPTER 转接刀柄

DIN2080 NT–TSA



mm

CODE NO.		T1	T2	D1	L1	G1
NT50	TSA40U - 75	NT50	ISO40	70	75	5/8-11UNC
	TSA40M - 75					M16X2

NOTE 注意

· 请确定牵引螺栓。
例如：NT50M-TSA40(米制)NT50U-TSA40(英制)
· 不确定牵引螺栓的 将按NT50 英制尺寸出库。

· Please make designate the Draw Bolt dimension between Inch and Metric.
· Unless any notifying, NT40 and NT50 will be supplied with Inch Draw bolt.

ADVANCING PRODUCTIVITY

—— 致力于生产效率提高的海纳 ——

我们对于服务的重视，远高于业务；
我们对于质量的要求，远高于数量。

本公司善于改良机具，增强品质效益。
本团队勇于终身学习，追求卓越完美。

精益求精，制造性能及质量稳定性上媲美欧美日韩产品，为客户取得更大的经济效益。

坚持工匠精神，精雕细琢，采用现代化管理手段，注重产品的每一个细节，保证每件产品质量及稳定性。

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