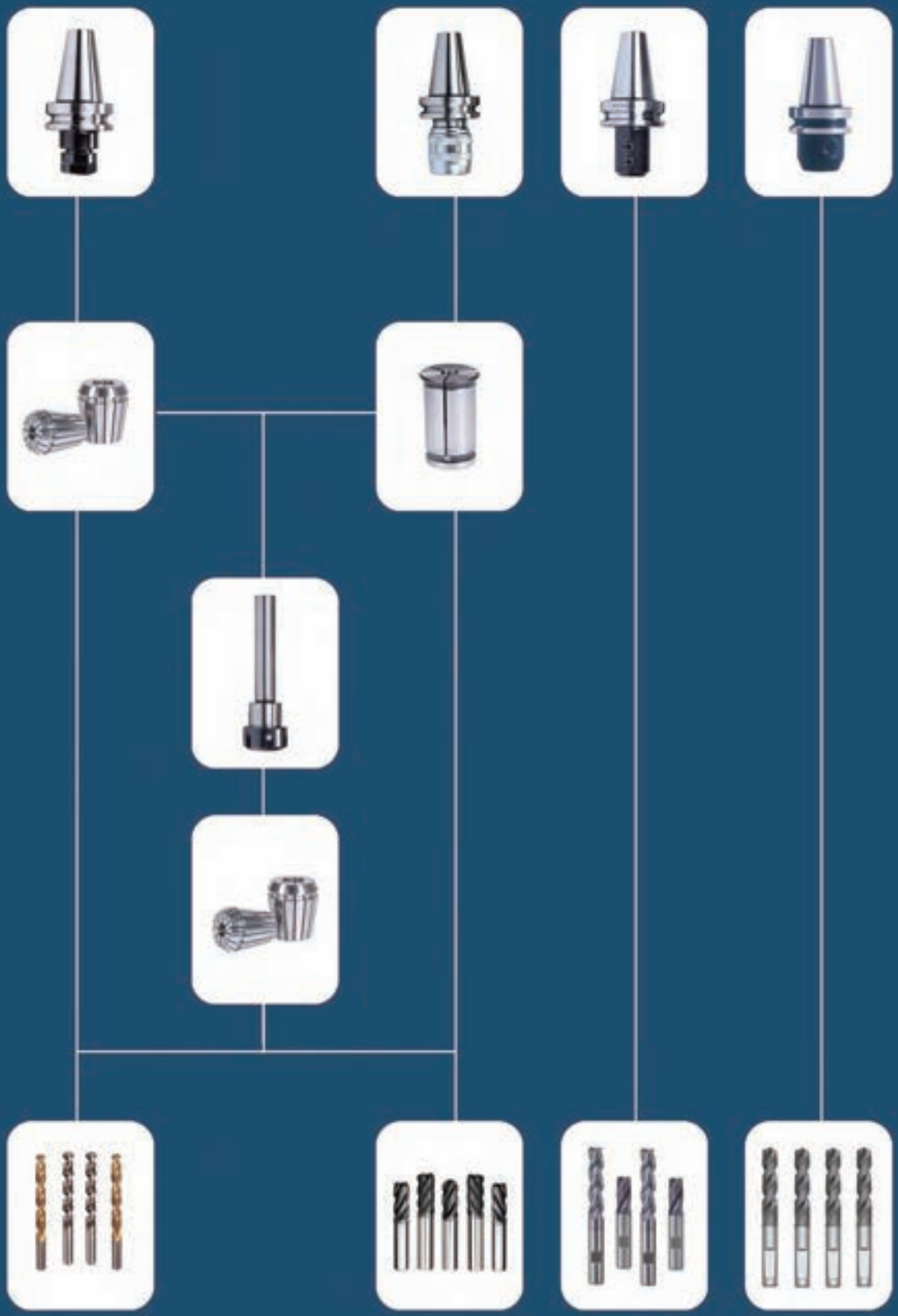
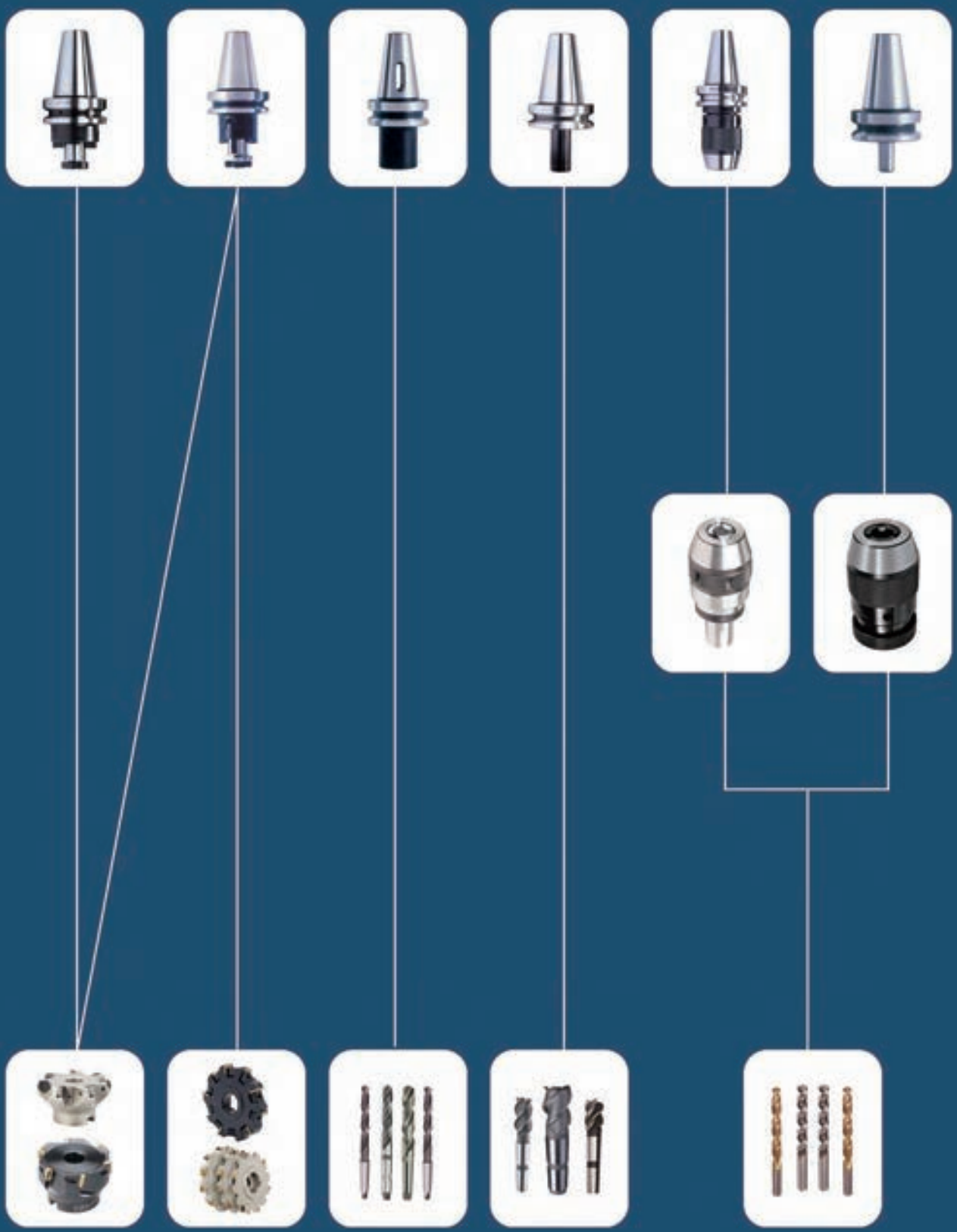
CNC Tool Systems 工具系统配置图





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MAS403BT tool holder 1–17

DIN69871SK 数控刀柄
DIN69871SK tool holder 18–32

DIN2080NT 铣刀柄
DIN2080NT ill chuck arbors 33–46

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45° 粗镗刀杆
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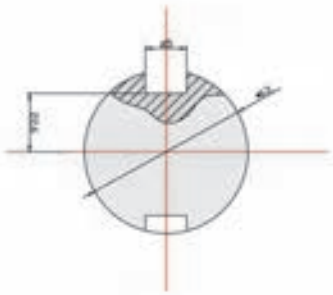
其它附件（筒夹、螺帽、拉钉、铣刀杆等）
Machine tools accessories 61–99

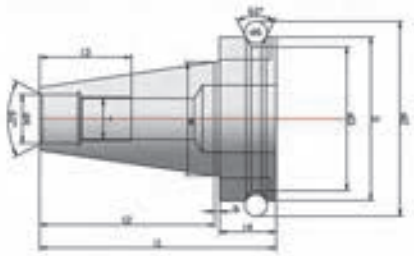
技术参数
Technicaldata 100–104

MAS 403 BT TOOL HOLDER



Taper Standard 锥柄标准 MAS 403





Model	D	d1	d2	d3	d4	d5	d6	l1	l2	l3	l4	a	T
BT30	46	31.75	56.14	38	12.5	16.1	8	70.4	48.4	24	20	2	M12×1.75P
BT40	63	44.45	75.679	53	17	16.1	10	92.4	65.4	30	25	2	M16×2.0P
BT50	100	69.85	119.02	83	25	25.7	15	139.8	101.8	45	35	3	M24×3.0P

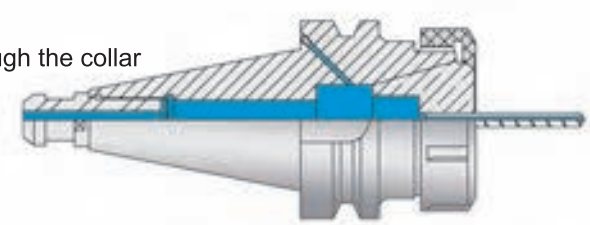
Material: Allyed case hardened steel, black-finished and precisely grinded
Taper tolerance: <AT3
Hardness: HRC 56-58
Carbon depth: 0.8mm±0.2mm
Max run out: <0.005mm
Surface Roughness: Ra<0.005mm
Cooling AD+B type can be made by request
When Order, please specify balancing G6.3 or G2.5
Shank body standard: MAS 403 and B6339

材　　质：优质渗碳合金钢，发黑处理和精细研磨
锥　　柄：公差等级<AT3
硬　　度：HRC 56-58
渗碳深度：0.8mm±0.2mm
最大跳动：<0.005mm
表面粗糙度：Ra<0.005mm
刀柄本体可另外指定冷却方式AD+B
刀柄可指定动平衡G6.3或G2.5
本体规范MAS403及B6339

Cooling 冷却方式

Form A: without cooling supply
Form AD: central cooling supply
Form AD+B: central cooling and internal collant through the collar

A型：无内冷孔
AD型：中心通水
AD+B型：中心通水及法兰通水





ER Collet Chuck DIN6499
ER弹簧夹头刀柄 – – – – – – – – – 3–4



Precision Milling Chuck
强力铣刀柄 – – – – – – – – – – – 5



OZ Collet Chuck DIN6391
重切削筒夹本体 – – – – – – – – – 6



TG Collet Chuck
TG超强力刀柄 – – – – – – – – – – 7



SK Collet Chuck
SK高速筒夹刀柄 – – – – – – – – – 8



FMB Face Mill Holder DIN6357
面铣刀柄 – – – – – – – – – – – 9



FMA Face Mill Holder
面铣刀柄 – – – – – – – – – – – 10



MTA Morse Taper Adapter DIN6383
带扁尾莫氏刀柄 – – – – – – – – 11



MTB Morse Taper Adapter (with Drawbar) DIN6364
带螺纹孔莫氏刀柄 – – – – – – – – 12



Side Lock End Mill Holder DIN6359/1835B (Weldon)
侧固式铣刀柄 – – – – – – – – – –13–14



End Mill Holder Whistle North DIN6359/1835E
斜2° 侧固式铣刀柄 – – – – – – – – 15



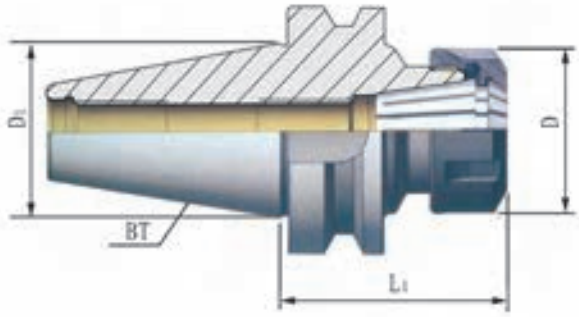
APU Drill Chuck Holder
APU钻夹头刀柄 – – – – – – – – – 16



Combi Shell Mill Holder DIN6358
混合式铣刀柄 – – – – – – – – – 17

ER Collet Chuck DIN6499 ER弹簧夹头刀柄 MAS 403





Order No.	Model	D	D1	L1	Clamping Range	Wt(kg)
11302070	BT30xER20-70	35	31.75	70	0.5-13	0.55
11302570	BT30xER25-70	42	31.75	70	0.5-16	0.58
11303270	BT30xER32-70	50	31.75	70	1-20	0.85
11304080	BT30xER40-80	63	31.75	80	2-26	1.10
11401670	BT40xER16-70	32	44.45	70	0.5-10	1.14
11402070	BT40xER20-70	35	44.45	70	0.5-13	1.16
114020100	BT40xER20-100	35	44.45	100	0.5-13	1.38
114020130	BT40xER20-130	35	44.45	130	0.5-13	1.76
11402570	BT40xER25-70	42	44.45	70	0.5-16	1.22
114025100	BT40xER25-100	42	44.45	100	0.5-16	1.52
114025130	BT40xER25-130	42	44.45	130	0.5-16	1.90
114025160	BT40xER25-160	42	44.45	160	0.5-16	2.10
11403270	BT40xER32-70	50	44.45	70	1-20	1.30
114032100	BT40xER32-100	50	44.45	100	1-20	1.72
114032130	BT40xER32-130	50	44.45	130	1-20	2.05
114032160	BT40xER32-160	50	44.45	160	1-20	2.58
11404080	BT40xER40-80	63	44.45	80	2-26	1.45
114040100	BT40xER40-100	63	44.45	100	2-26	2.01
114040160	BT40xER40-160	63	44.45	160	2-26	3.29

Use: For clamping tools with straight shank in collets of DIN 6499

应用范围：配DIN6499弹簧夹头可夹持各种尺寸直柄刀具





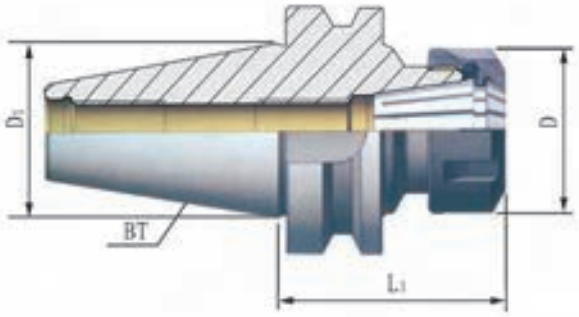




ER Collet Chuck DIN6499 ER弹簧夹头刀柄

MAS 403





Order No.	Model	D	D1	L1	Clamping Range	Wt(kg)
11501670	BT50xER16-70	28	69.85	70	0.5-10	3.64
11502070	BT50xER20-70	35	69.85	70	0.5-13	3.67
115020100	BT50xER20-100	35	69.85	100	0.5-13	3.84
11502570	BT50xER25-70	42	69.85	70	0.5-16	3.70
115025100	BT50xER25-100	42	69.85	100	0.5-16	4.54
11503270	BT50xER32-70	50	69.85	70	1-20	3.73
115032100	BT50xER32-100	50	69.85	100	1-20	5.20
115032160	BT50xER32-160	50	69.85	160	1-20	4.97
115032200	BT50xER32-200	50	69.85	200	1-20	5.48
11504080	BT50xER40-80	63	69.85	80	2-26	3.76
115040100	BT50xER40-100	63	69.85	100	2-26	4.44
115040160	BT50xER40-160	63	69.85	160	2-26	5.77
115040200	BT50xER40-200	63	69.85	200	2-26	6.66

Use: For clamping tools with straight shank in collets of DIN 6499

应用范围：配DIN6499弹簧夹头可夹持各种尺寸直柄刀具



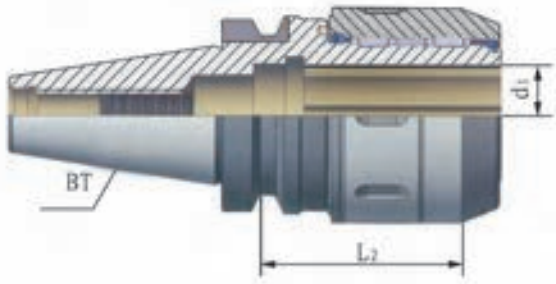






Precision Milling Chuck 强力铣刀柄 MAS 403





Order No	Model	d1	L2	Wt(kg)
11302075C	BT30-SC20-75	20	75	1.8
11302090C	BT30-SC20-90	20	90	2.0
11402080C	BT40-SC20-80	20	80	2.4
114020100C	BT40-SC20-100	20	100	2.5
114020135C	BT40-SC20-135	20	135	2.8
11403290C	BT40-SC32-90	32	90	2.6
114032105C	BT40-SC32-105	32	105	2.8
114032135C	BT40-SC32-135	32	135	3.0
115020105C	BT50-SC20-105	20	105	4.5
115020150C	BT50-SC20-150	20	150	4.9
115032110C	BT50-SC32-110	32	110	5.2
115032135C	BT50-SC32-135	32	135	5.9
115032165C	BT50-SC32-165	32	165	6.6
115032200C	BT50-SC32-200	32	200	8.0
115042110C	BT50-SC42-110	42	110	6.0
115042130C	BT50-SC42-130	42	130	6.5
115042165C	BT50-SC42-165	42	165	7.4

Use: For mounting shank tools in collets; to use for high speed cutting and high precision milling

应用范围：配直柄筒夹可夹持各种尺寸圆柱柄刀具用于高速及高精密加工



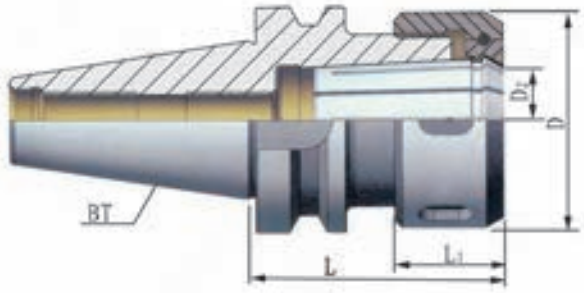




OZ Collet Chuck DIN6391 重切削筒夹本体

MAS 403





Order No.	Model	D2	L	D	L1	Collets
11402580OZ	BT40-OZ25-80	3-25	80	60	30	OZ25
114025120OZ	BT40-OZ25-120	3-25	120	60	30	OZ25
11403280OZ	BT40-OZ32-80	6-32	80	72	33	OZ32
114032150OZ	BT40-OZ32-150	6-32	150	72	33	OZ32
11502590OZ	BT50-OZ25-90	3-25	90	60	30	OZ25
115025130OZ	BT50-OZ25-130	3-25	130	60	30	OZ25
115032105OZ	BT50-OZ32-105	6-32	105	72	33	OZ32
115032150OZ	BT50-OZ32-150	6-32	150	72	33	OZ32

Use: For clamping tools with straight shank in collets of DIN6388

应用范围：配DIN6388 OZ弹簧夹头可夹持各种尺寸直柄刀具



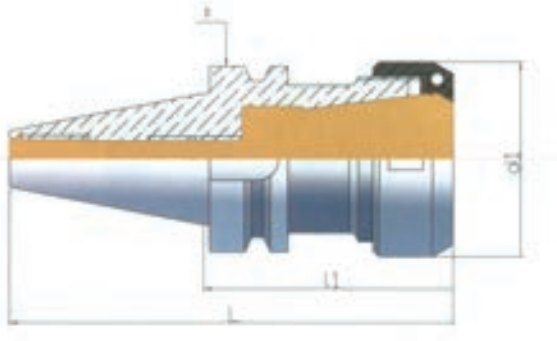






TG Collet Chuck　　TG 超强力刀柄　　MAS 403



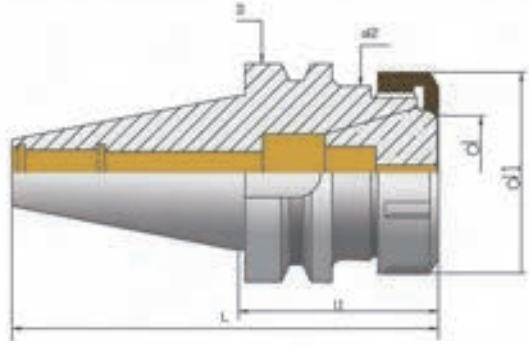


Order No.	Model	L	l1	D	d1	t2	T	Wt(kg)
11307570TG	BT30×TG75-70	118.4	70	46	50	M16×2.0P	TW1-1/2 ” -12	1.10
113075100TG	BT30×TG75-100	148.4	100	46	50	M16×2.0P	TW1-1/2 ” -12	1.15
1130100100TG	BT30×TG100-100	148.4	100	46	60	-	TW1-7/8 ” -12UN	1.20
114010070TG	BT40×TG100-70	135.4	70	63	60	M16×2.0P	TW1-7/8 ” -12UN	1.36
1140100100TG	BT40×TG100-100	165.4	100	63	60	M16×2.0P	TW1-7/8 ” -12UN	1.90
1140100120TG	BT40×TG100-120	185.4	120	63	60	M16×2.0P	TW1-7/8 ” -12UN	2.38
1140150105TG	BT40×TG150-105	170.4	105	63	82	M24×2.0P	TW2-5/8 ” -12	2.70
1140150120TG	BT40×TG150-120	185.4	120	63	82	M24×2.0P	TW2-5/8 ” -12	2.90
115010085TG	BT50×TG100-85	186.8	85	100	60	M24×2.0P	TW1-7/8 ” -12UN	3.40
1150100100TG	BT50×TG100-100	201.8	100	100	60	M24×2.0P	TW1-7/8 ” -12UN	4.40
1150100120TG	BT50×TG100-120	221.8	120	100	60	M24×2.0P	TW1-7/8 ” -12UN	5.10
115015090TG	BT50×TG150-90	191.8	90	100	82	M24×2.0P	TW2-5/8 ” -12	5.70
1150150105TG	BT50×TG150-105	206.8	105	100	82	M24×2.0P	TW2-5/8 ” -12	6.10
1150150120TG	BT50×TG150-120	221.8	120	100	82	M24×2.0P	TW2-5/8 ” -12	6.50

Use:For clamping cutters with straight shank and inclined flat of DIN1835-E
应用范围：适用于夹持DIN1835-E具有侧固平面的刀具

SK Collet Chuck　SK 高速筒夹刀柄　MAS 403





Order No.	Model	L	D	d	d1	d2	Wt(kg)
11300645SK	BT30-SK6-45	93.4	46	9.946	20	18	0.49
11300660SK	BT30-SK6-60	108.4	46	9.946	20	18	0.90
11301045SK	BT30-SK10-45	93.4	46	14.981	27	27.6	0.80
11301060SK	BT30-SK10-60	108.4	46	14.981	27	27.6	0.56
11301090SK	BT30-SK10-90	138.4	46	14.981	27	27.6	0.58
11301660SK	BT30-SK16-60	108.4	46	23.939	40	52	0.59
11400690SK	BT40-SK6-90	155.4	63	9.946	20	32	1.16
114006120SK	BT40-SK6-120	185.4	63	9.946	20	32	1.21
11401090SK	BT40-SK10-90	155.4	63	14.981	27	40	1.29
114010120SK	BT40-SK10-120	185.4	63	14.981	27	40	1.42
11401690SK	BT40-SK16-90	155.4	63	23.939	40	52	1.40
114016120SK	BT40-SK16-120	185.4	63	23.939	40	52	1.71
11402590SK	BT40-SK25-90	155.4	63	35.029	55	55	1.49
114025120SK	BT40-SK25-120	185.4	63	35.029	55	55	1.80
11500690SK	BT50-SK6-90	191.8	100	9.946	20	32	4.00
115006120SK	BT50-SK6-120	221.8	100	9.946	20	32	4.20
115010105SK	BT50-SK10-105	206.8	100	14.981	27	40	3.99
115010150SK	BT50-SK10-150	251.8	100	14.981	27	40	4.60
115010165SK	BT50-SK10-165	266.8	100	14.981	27	40	4.30
115016105SK	BT50-SK16-105	206.8	100	23.939	40	52	4.15
115016150SK	BT50-SK16-150	251.8	100	23.939	40	52	4.70
115016165SK	BT50-SK16-165	266.8	100	23.939	40	52	4.50
115025105SK	BT50-SK25-105	206.8	100	35.029	55	55	4.50
115025150SK	BT50-SK25-150	251.8	100	35.029	55	55	4.80





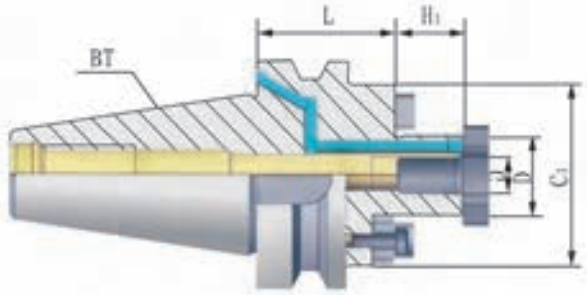




FMB Face Mill Holder DIN6357 面铣刀柄

MAS 403





Order No.	Model	D	L	C1	H1	G
11302245FB	BT30-FMB22-45	22	45	56	18	M10
11302745FB	BT30-FMB27-45	27	45	64	20	M12
11402245FB	BT40-FMB22-45	22	45	48	18	M10
11402290FB	BT40-FMB22-90	22	90	48	18	M10
11402745FB	BT40-FMB27-45	27	45	60	20	M12
11402760FB	BT40-FMB27-60	27	60	60	20	M12
11402790FB	BT40-FMB27-90	27	90	60	20	M12
11403245FB	BT40-FMB32-45	32	45	63	21	M16
11403260FB	BT40-FMB32-60	32	60	63	21	M16
11404045FB	BT40-FMB40-45	40	45	68	23	M16
11404060FB	BT40-FMB40-60	40	60	68	23	M16
11502245FB	BT50-FMB22-45	22	45	48	18	M10
11502275FB	BT50-FMB22-75	22	75	48	18	M10
11502745FB	BT50-FMB27-45	27	45	65	20	M12
11502775FB	BT50-FMB27-75	27	75	65	20	M12
11502790FB	BT50-FMB27-90	27	90	65	20	M12
11503245FB	BT50-FMB32-45	32	45	73	21	M16
11503275FB	BT50-FMB32-75	32	75	73	21	M16
11504045FB	BT50-FMB40-45	40	45	85	23	M16
11504075FB	BT50-FMB40-75	40	75	85	23	M16
115040105FB	BT50-FMB40-105	40	105	85	23	M16

Use: For holding like shell mill cutters

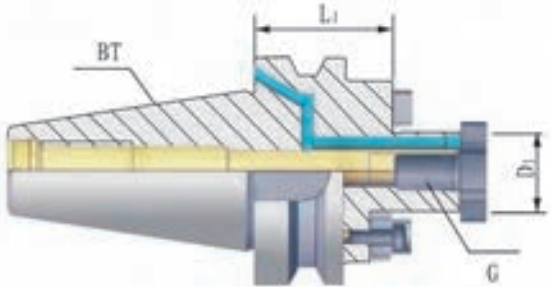
应用范围：用于夹持带径向驱动槽的铣刀，如面铣刀，立式盘铣刀，套式立铣刀





FMA Face Mill Holder 面铣刀柄 MAS 403





Order No.	Model	D1	L1	G	Cutter Dia.
1130254L45FA	BT30-FMA25.4-45	25.4	45	M12	76
1130254L60FA	BT30-FMA25.4-60	25.4	60	M12	76
1140254L45FA	BT40-FMA25.4-45	25.4	45	M12	76
1140254L60FA	BT40-FMA25.4-60	25.4	60	M12	76
11403175L45FA	BT40-FMA31.75-45	31.75	45	M12	102
11403175L60FA	BT40-FMA31.75-60	31.75	60	M12	102
11403175L90FA	BT40-FMA31.75-90	31.75	90	M12	102
1140381L60FA	BT40-FMA38.1-60	38.1	60	M16	127
1140381L90FA	BT40-FMA38.1-90	38.1	90	M16	127
1150254L75FA	BT50-FMA25.4-75	25.4	75	M12	76(80)
1150254L105FA	BT50-FMA25.4-105	25.4	105	M12	76(80)
1150254L125FA	BT50-FMA25.4-125	25.4	125	M12	76(80)
1150254L150FA	BT50-FMA25.4-150	25.4	150	M12	76(80)
11503175L45FA	BT50-FMA31.75-45	31.75	45	M12	100(102)
11503175L75FA	BT50-FMA31.75-75	31.75	75	M12	100(102)
11503175L105FA	BT50-FMA31.75-105	31.75	105	M12	100(102)
11503175L125FA	BT50-FMA31.75-125	31.75	125	M12	100(102)
11503175L150FA	BT50-FM131.75-150	31.75	150	M12	100(102)
1150381L45FA	BT50-FMA38.1-45	38.1	45	M16	125
1150381L75FA	BT50-FMA38.1-75	38.1	75	M16	125
1150508L45FA	BT50-FMA50.8-45	50.8	45	M16	152
1150508L75FA	BT50-FMA50.8-75	50.8	75	M16	152

Use: For holding like shell mill cutters

应用范围：用于夹持带径向驱动槽的铣刀，如面铣刀，立式盘铣刀，套式立铣刀

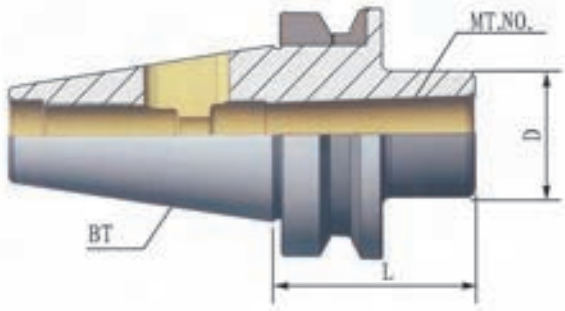




MTA Morse Taper Adapter DIN6383 带扁尾莫氏刀柄

MAS 403





Order No.	Model	MT. No.	L	ØD	Wt(kg)
113045MA1	BT30-MTA1-45	1	45	25	0.43
113060MA2	BT30-MTA2-60	2	60	32	0.5
114045MA1	BT40-MTA1-45	1	45	25	1.02
114060MA2	BT40-MTA2-60	2	60	32	1.11
114075MA3	BT40-MTA3-75	3	75	40	1.15
114090MA4	BT40-MTA4-90	4	90	48	1.43
115045MA1	BT50-MTA1-45	1	45	25	3.6
115050MA2	BT50-MTA2-50	2	50	32	3.63
115060MA2	BT50-MTA2-60	2	60	32	3.64
1150120MA2	BT50-MTA2-120	2	120	32	4.3
115065MA3	BT50-MTA3-65	3	65	40	3.7
1150120MA3	BT50-MTA3-120	3	120	40	4.4
1150135MA3	BT50-MTA3-135	3	135	40	4.46
1150150MA3	BT50-MTA3-150	3	150	40	4.68
115085MA4	BT50-MTA4-85	4	85	48	3.75
115095MA4	BT50-MTA4-95	4	95	48	3.85
1150105MA5	BT50-MTA5-105	5	105	63	5
1150108MA5	BT50-MTA5-108	5	108	63	5.06

Use: For holding tools with Morse tapers and tang according to DIN228-1 form A

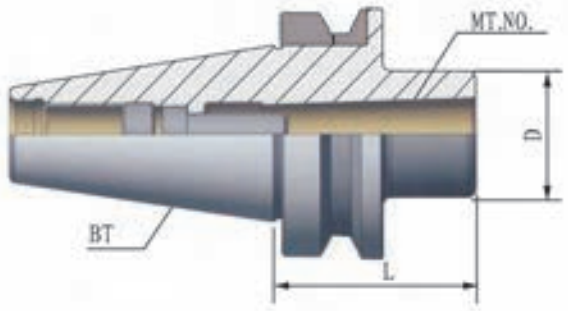
应用范围：适用于夹持DIN228-1A型带扁尾莫氏柄刀具



MTB Morse Taper Adapter (with Drawbar) DIN6364 带螺纹孔莫氏刀柄

MAS 403





Order No.	Model	MT.No.	L	D	Wt(kg)
113045MB1	BT30-MTB1-45	1	45	25	0.55
113060MB2	BT30-MTB2-60	2	60	32	0.6
114045MB1	BT40-MTB1-45	1	45	25	1.05
114045MB2	BT40-MTB2-45	2	45	32	1.85
114075MB3	BT40-MTB3-75	3	75	40	1.9
1140100MB4	BT40-MTB4-75	4	75	48	1.7
115045MB1	BT50-MTB1-45	1	45	25	4.1
115045MB2	BT50-MTB2-45	2	45	32	3.9
115060MB3	BT50-MTB3-60	3	60	40	3.9
115075MB4	BT50-MTB4-75	4	75	50	4.2
1150120MB5	BT50-MTB5-120	5	120	70	4.3

Use: For clamping tools with Morse tapers and drawbar thread according to DIN228-1 form B

应用范围：适用于夹持DIN228-1B型带外螺纹的莫氏柄刀具

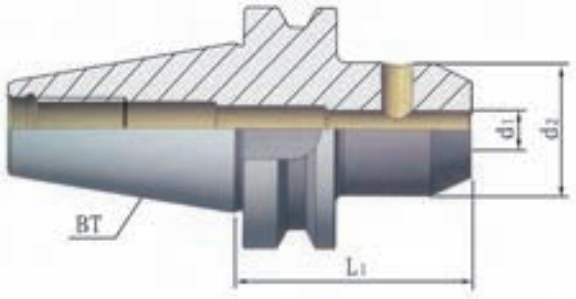




Side Lock End Mill Holder DIN6359/1835B (Weldon) 侧固式刀柄

MAS 403





Order No.	Model	d1	d2	L1	Wt(kg)
11300660SA	BT30-SLN6-60	6	25	60	0.55
11300860SA	BT30-SLN8-60	8	28	60	0.60
11301060SA	BT30-SLN10-60	10	35	60	0.70
11301260SA	BT30-SLN12-60	12	42	60	0.75
11301675SA	BT30-SLN16-75	16	48	75	1.05
11302075SA	BT30-SLN20-75	20	52	75	1.10
11302590SA	BT30-SLN25-90	25	65	90	1.70
11400650SA	BT40-SLN6-50	6	25	50	1.10
11400850SA	BT40-SLN8-50	8	28	50	1.10
11401063SA	BT40-SLN10-63	10	35	63	1.25
11401263SA	BT40-SLN12-63	12	42	63	1.30
11401663SA	BT40-SLN16-63	16	48	63	1.40
11402063SA	BT40-SLN20-63	20	52	63	1.40
114025100SA	BT40-SLN25-100	25	65	100	2.50
114032100SA	BT40-SLN32-100	32	72	100	2.75

Use: For clamping cutters with straight shank and inclined flat of DIN1835-B

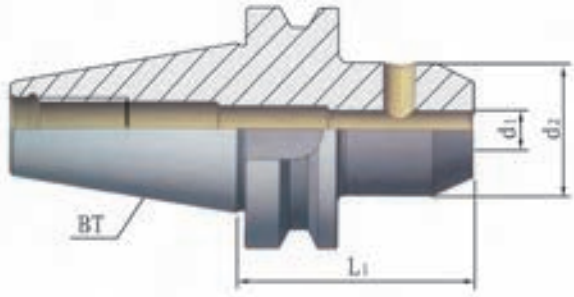
应用范围：适用于夹持DIN1835-B具有侧固平面的刀具



Side Lock End Mill Holder DIN6359/1835B (Weldon) 侧固式刀柄

MAS 403





Order No.	Model	d1	d2	L1	Wt(kg)
11500663SA	BT50-SLN6-63	6	25	63	3.80
11500863SA	BT50-SLN8-63	8	28	63	3.80
11501063SA	BT50-SLN10-63	10	35	63	3.90
11501280SA	BT50-SLN12-80	12	42	80	4.00
11501680SA	BT50-SLN16-80	16	48	80	4.40
11502080SA	BT50-SLN20-80	20	52	80	4.40
115025100SA	BT50-SLN25-100	25	65	100	5.10
115032105SA	BT50-SLN32-105	32	72	105	5.20
115040115SA	BT50-SLN40-115	40	80	115	6.60
115042120SA	BT50-SLN42-120	42	82	120	6.70

Use: For clamping cutters with straight shank and inclined flat of DIN1835-B

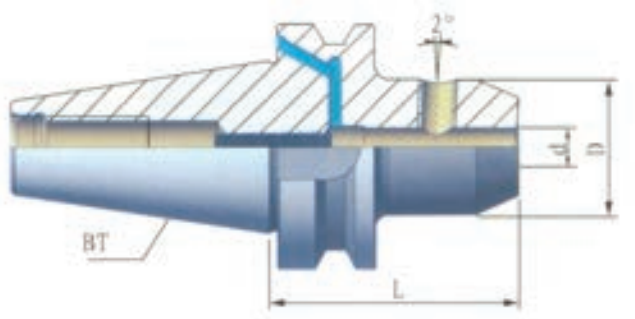
应用范围：适用于夹持DIN1835-B具有侧固平面的刀具



End Mill Holder Whistle North DIN6359/1835E 斜2°侧固式铣刀柄

MAS 403





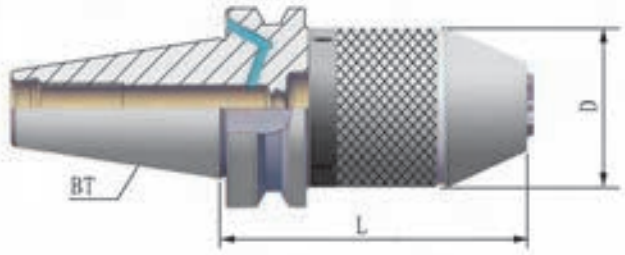
Order No.	Model	d	D	L
11400650SB	BT40-SLB06-50	6	25	50
11400850SB	BT40-SLB08-50	8	28	50
11401063SB	BT40-SLB10-63	10	35	63
11401263 SB	BT40-SLB12-63	12	42	63
11401463 SB	BT40-SLB14-63	14	44	63
11401663 SB	BT40-SLB16-63	16	48	63
11401863 SB	BT40-SLB18-63	18	50	63
11402063 SB	BT40-SLB20-63	20	52	63
11402590 SB	BT40-SLB25-90	25	65	90
114032100 SB	BT40-SLB32-100	32	72	100
114040120 SB	BT40-SLB40-120	40	80	120
11500663 SB	BT50-SLB06-63	6	25	63
11500863 SB	BT50-SLB08-63	8	28	63
11501063 SB	BT50-SLB10-63	10	35	63
11501280 SB	BT50-SLB12-80	12	42	80
11501480 SB	BT50-SLB14-80	14	44	80
11501680 SB	BT50-SLB16-80	16	48	80
11501880 SB	BT50-SLB18-80	18	50	80
11502080 SB	BT50-SLB20-80	20	52	80
115025100 SB	BT50-SLB25-100	25	65	100
115032105 SB	BT50-SLB32-105	32	72	105
115040110 SB	BT50-SLB40-110	40	80	110

Use:For clamping cutters with straight shank and inclined flat of DIN1835-E
应用范围：适用于夹持DIN1835-E具有侧固平面的刀具



APU Drill Chuck Holder APU 钻夹头刀柄 MAS 403





Order No.	Model	Clamping Range	D	L	
				Min	Max
11300880A	BT30-APU08-80	1-8	36.3	75	82
113013100A	BT30-APU13-100	1-13	51.5	97	104.5
11400885A	BT40-APU08-85	1-8	36.3	79	86.5
114013110A	BT40-APU13-110	1-13	51.5	98	109
114016130A	BT40-APU16-130	3-16	58	116	130
11500895A	BT50-APU08-95	1-8	36.3	90	97.5
115013120A	BT50-APU13-120	1-13	51.5	109	120
115013180A	BT50-APU13-180	1-13	51.5	169	180
115016130A	BT50-APU16-130	3-16	58	116	130
115016190A	BT50-APU16-190	3-16	58	176	190

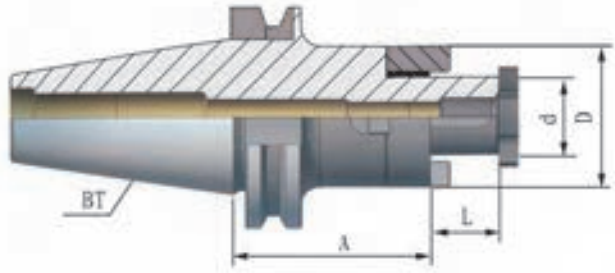
Use: For clamping tools with straight shank

应用范围：夹持直径为0.5-16mm的钻头



Combi Shell Mill Holder DIN6358 混合式铣刀柄 MAS 403





Order No.	Model	d (心轴直径)	D (端面直径)	L (心轴长度)	A
11301645CS	BT30-SEMC16-45	16	32	17	45
11302247CS	BT30-SEMC22-47	22	40	19	47
11302749CS	BT30-SEMC27-49	27	48	21	49
11401655CS	BT40-SEMC16-55	16	32	17	55
114016100CS	BT40-SEMC16-100	16	32	17	100
11402255CS	BT40-SEMC22-55	22	40	19	55
114022100CS	BT40-SEMC22-100	22	40	19	100
11402755CS	BT40-SEMC27-55	27	48	21	55
114027100CS	BT40-SEMC27-100	27	48	21	100
11403260CS	BT40-SEMC32-60	32	58	24	60
114032100CS	BT40-SEMC32-100	32	58	24	100
11404060CS	BT40-SEMC40-60	40	70	27	60
114040100CS	BT40-SEMC40-100	40	70	27	100
11501670CS	BT50-SEMC16-70	16	32	17	70
11502270CS	BT50-SEMC22-70	22	40	19	70
11502770CS	BT50-SEMC27-70	27	48	21	70
11503270CS	BT50-SEMC32-70	32	58	24	70
11504070CS	BT50-SEMC40-70	40	70	27	70

Use: For clamping shell mill DIN841 and DIN1880 as well as angular milling cutter DIN842 and cutter DIN1830

应用范围：适用于夹持带轴向或带径向驱动槽的铣刀如：立式盘铣刀，套式铣刀，面铣刀，盘铣刀，三面刃铣刀



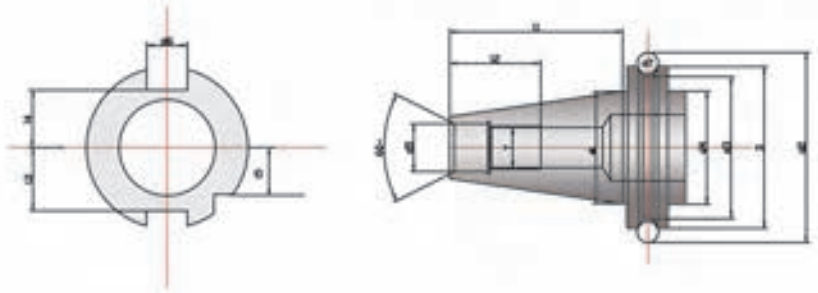




DIN 69871 SK TOOL HOLDER



Taper Standard 锥柄标准 DIN 69871



Model	D	d1	d2	d3	d4	d5	d6	d7	l1	l2	l3	l4	l5	e1	e2
SK30	50	31.75	59.3	44.3	45	13	16.1	4	47.8	24	19	16.4	15	21	5
SK40	63.55	44.45	72.3	56.25	50	17	16.1	4	68.4	32	25	22.8	18.5	27	5
SK50	97.5	69.85	107.25	91.25	80	25	25.7	6	101.75	47	37.7	35.5	30	42	7

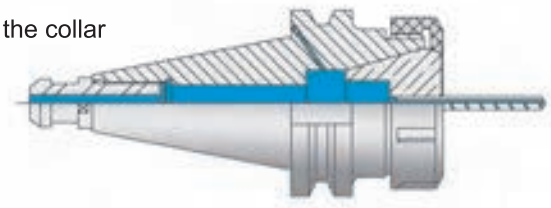
Material: Allyed case hardened steel, black-finished and precisely grinded
Taper tolerance: <AT3
Hardness: HRC 56-58
Carbon depth: 0.8mm±0.2mm
Max run out: <0.005mm
Surface Roughness: Ra<0.005mm
Cooling AD+B type can be made by request
When Order, please specify balancing G6.3 or G2.5
Shank body standard: DIN69871

材　　质：优质渗碳合金钢，发黑处理和精细研磨
锥　　柄：公差等级<AT3
硬　　度：HRC 56-58
渗碳深度：0.8mm±0.2mm
最大跳动：<0.005mm
表面粗糙度：Ra<0.005mm
刀柄本体可另外指定冷却方式AD+B
刀柄可指定动平衡G6.3或G2.5
本体规范DIN69871

Cooling 冷却方式

Form A: without cooling supply
Form AD: central cooling supply
Form AD+B: central cooling and internal collant through the collar

A型：无内冷孔
AD型：中心通水
AD+B型：中心通水及法兰通水





ER Collet Chuck DIN6499
ER弹簧夹头刀柄 – – – – – – – – –21–22



Precision Milling Chuck
强力铣刀柄 – – – – – – – – – – – –23



OZ Collet Chuck DIN6391
重切削筒夹本体 – – – – – – – – – –24



Face Mill Holder DIN6357
面铣刀柄 – – – – – – – – – – – – –25



MTA Morse Taper Adapter DIN6383
带扁尾莫氏刀柄 – – – – – – – – –26



MTB Morse Taper Adapter (with Drawbar) DIN6364
带螺纹孔莫氏刀柄 – – – – – – – – –27



Side Lock End Mill Holder DIN6359/1835B (Weldon)
侧固式铣刀柄 – – – – – – – – – – –28



End Mill Holder Whistle North DIN6359/1835E
斜2° 侧固式铣刀柄 – – – – – – – –29



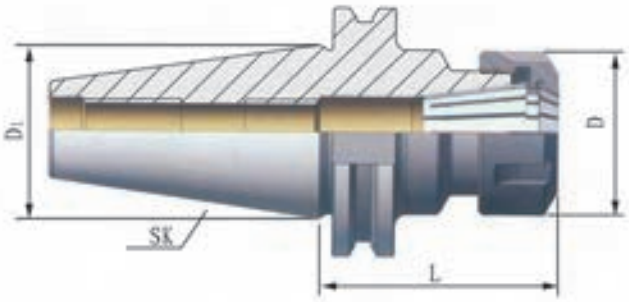
APU Drill Chuck Holder
APU钻夹头刀柄 – – – – – – – – – –30



Combi Shell Mill Holder DIN6358
混合式铣刀柄 – – – – – – – – – –31–32

ER Collet Chuck DIN6499 ER弹簧夹头刀柄 DIN 69871





Order No.	Model	D	D1	L	Collet
22301663	SK30-ER16-63	28	31.75	63	ER16
22302063	SK30-ER20-63	35	31.75	63	ER20
22401670	SK40-ER16-70	32	44.45	70	ER16
224016100	SK40-ER16-100	32	44.45	100	ER16
22402070	SK40-ER20-70	35	44.45	70	ER20
224020100	SK40-ER20-100	35	44.45	100	ER20
224020130	SK40-ER20-130	35	44.45	130	ER20
22402570	SK40-ER25-70	42	44.45	70	ER25
224025130	SK40-ER25-130	42	44.45	130	ER25
224025160	SK40-ER25-160	42	44.45	160	ER25
22403270	SK40-ER32-70	50	44.45	70	ER32
224032100	SK40-ER32-100	50	44.45	100	ER32
224032130	SK40-ER32-130	50	44.45	130	ER32
224032160	SK40-ER32-160	50	44.45	160	ER32
224032200	SK40-ER32-200	50	44.45	200	ER32
22404080	SK40-ER40-80	63	44.45	80	ER40
224040100	SK40-ER40-100	63	44.45	100	ER40
224040150	SK40-ER40-150	63	44.45	150	ER40
224040200	SK40-ER40-200	63	44.45	200	ER40

Use: For clamping tools with straight shank in collets of DIN6499

应用范围：配DIN6499弹簧夹头可夹持各种尺寸直柄刀具



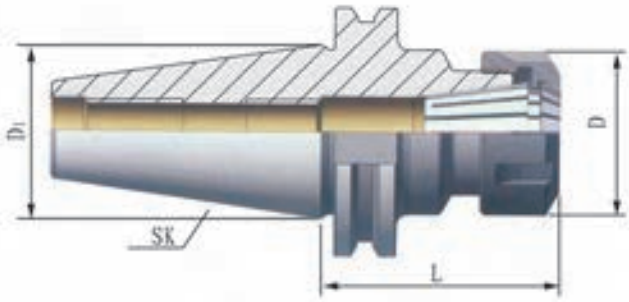






ER Collet Chuck DIN6499 ER弹簧夹头刀柄 DIN 69871





Order No.	Model	D	D1	L	Collet
22501680	SK50-ER16-80	32	69.85	80	ER16
22502080	SK50-ER20-80	35	69.85	80	ER20
225020100	SK50-ER20-100	35	69.85	100	ER20
22502580	SK50-ER25-80	42	69.85	80	ER25
225025100	SK50-ER25100	42	69.85	100	ER25
225025130	SK50-ER25-130	42	69.85	130	ER25
22503280	SK50-ER32-80	50	69.85	80	ER32
225032100	SK50-ER32-100	50	69.85	100	ER32
225032130	SK50-ER32-130	50	69.85	130	ER32
225032160	SK50-ER32-160	50	69.85	160	ER32
225032200	SK50-ER32-200	50	69.85	200	ER32
22504080	SK50-ER40-80	63	69.85	80	ER40
225040100	SK50-ER40-100	63	69.85	100	ER40
225040130	SK50-ER40-130	63	69.85	130	ER40
225040160	SK50-ER40-160	63	69.85	160	ER40
225040200	SK50-ER40-200	63	69.85	200	ER40

Use: For clamping tools with straight shank in collets of DIN6499

应用范围：配DIN6499弹簧夹头可夹持各种尺寸直柄刀具



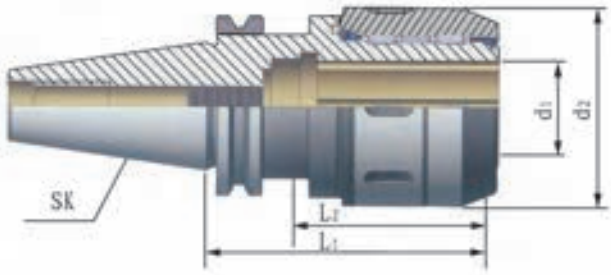






Precision Milling Chuck 强力铣刀柄 DIN 69871





Order No.	Model	d1	d2	L1	L2	Wt(kg)
22302085C	SK30-SC20-85	20	55	85	70	1.9
223020100C	SK30-SC20-100	20	55	100	70	2.1
22402085C	SK40-SC20-85	20	55	85	70	2.4
224020100C	SK40-SC20-100	20	55	100	70	2.5
224020135C	SK40-SC20-135	20	55	135	70	2.8
224032105C	SK40-SC32-105	32	73	105	75	2.7
224032135C	SK40-SC32-135	32	73	135	75	3.0
225020105C	SK50-SC20-105	20	55	105	70	4.5
225020150C	SK50-SC20-150	20	55	150	70	4.9
225032110C	SK50-SC32-110	32	73	110	75	5.2
225032135C	SK50-SC32-135	32	73	135	75	5.9
225042110C	SK50-SC42-110	42	95	110	90	6.0

Use: For mounting straight shank tools in collets; to use for high speed cutting and high precision milling

应用范围：配直柄筒夹可夹持各种尺寸直柄刀具用于高速及高精密加工

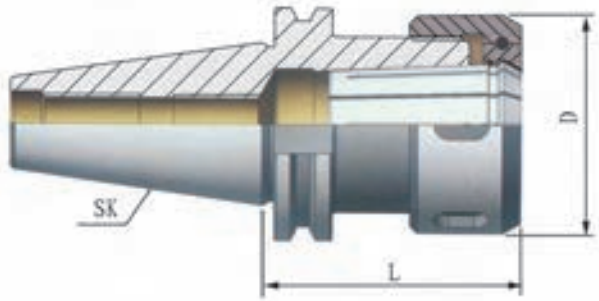






OZ Collet Chuck 重切削筒夹本体 DIN 69871





Order No.	Model	L	D	Collet
22402570OZ	SK40-OZ25-70	70	60	OZ25
224025100OZ	SK40-OZ25-100	100	60	OZ25
22403290OZ	SK40-OZ32-90	90	72	OZ32
22502585OZ	SK50-OZ25-85	85	60	OZ25
225025100OZ	SK50-OZ25-100	100	60	OZ25
22503270OZ	SK50-OZ32-70	70	72	OZ32

Use: For clamping tools with straight shank in collets of DIN6388

应用范围：配DIN6388 OZ弹簧夹头可夹持各种尺寸直柄刀具





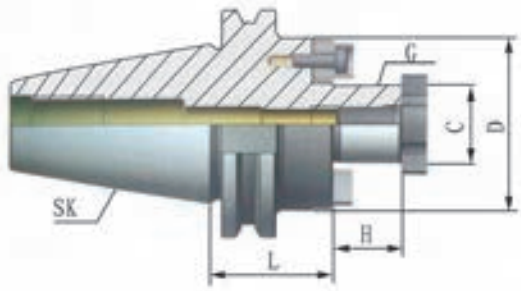




Face Mill Holder DIN6357 面铣刀柄

DIN 69871





Order No.	Model	L	ØC	ØD	H	G
22401645FB	SK40-FMB16-45	45	16	38	17	M8
22402245FB	SK40-FMB22-45	45	22	48	19	M10
22402750FB	SK40-FMB27-50	50	27	58	21	M12
22403255FB	SK40-FMB32-55	55	32	78	24	M16
22404055FB	SK40-FMB40-55	55	40	88	27	M20
22501645FB	SK50-FMB16-45	45	16	38	17	M8
22502245FB	SK50-FMB22-45	45	22	48	19	M10
22502745FB	SK50-FMB27-45	45	27	58	21	M12
22503255FB	SK50-FMB32-55	55	32	78	24	M16
22504055FB	SK50-FMB40-55	55	40	88	27	M20

Use: For holding like shell mill cutters

应用范围：用于夹持带径向驱动槽的铣刀，如面铣刀，立式盘铣刀，套式立铣刀

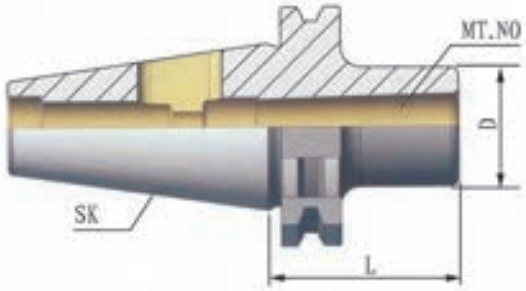




MTA Morse Taper Adapter DIN6383 带扁尾莫氏刀柄

DIN 69871





Order No.	Model	MT.No.	L	D	Wt(kg)
223050MA1	SK30-MTA1-50	1	50	25	1.6
223050MA2	SK30-MTA2-50	2	50	32	0.8
223075MA3	SK30-MTA3-75	3	75	40	0.9
224050MA1	SK40-MTA1-50	1	50	25	1.3
224050MA2	SK40-MTA2-50	2	50	32	1.5
224065MA3	SK40-MTA3-65	3	65	40	1.8
224095MA4	SK40-MTA4-95	4	95	50	2.4
2240125MA5	SK40-MTA5-125	5	125	63	3.8
225045MA1	SK50-MTA1-45	1	45	25	4.1
225060MA2	SK50-MTA2-60	2	60	32	4.4
225065MA3	SK50-MTA3-65	3	65	40	4.5
225070MA4	SK50-MTA4-70	4	70	50	4.9
2250105MA5	SK50-MTA5-105	5	105	65	5.2

Use: For holding tools with Morse tapers and tang according to DIN228-1 form A

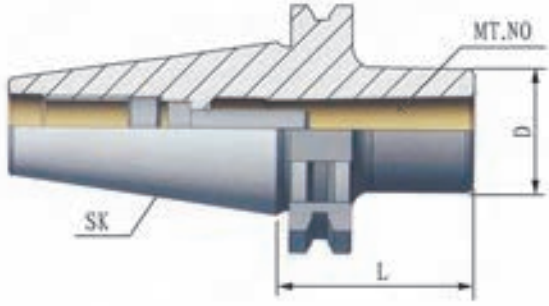
应用范围：适用于夹持DIN228-1A型带扁尾莫氏柄刀具



MTB Morse Taper Adapter (with Drawbar) DIN6364 带螺纹孔莫氏刀柄

DIN 69871





Order No.	Model	MT.No.	L	D	Wt(kg)
224050MB1	SK40-MTB1-50	1	50	25	1.3
224050MB2	SK40-MTB2-50	2	50	32	1.5
224065MB3	SK40-MTB3-65	3	65	40	1.8
224095MB4	SK40-MTB4-95	4	95	50	2.4
225060MB1	SK50-MTB1-60	1	60	25	4.1
225060MB2	SK50-MTB2-60	2	60	32	4.4
225065MB3	SK50-MTB3-65	3	65	40	4.5
225085MB4	SK50-MTB4-85	4	85	50	4.9
2250120MB5	SK50-MTB5-120	5	120	65	5.2

Use: For clamping tools with Morse tapers and drawbar thread according to DIN228-1 form B

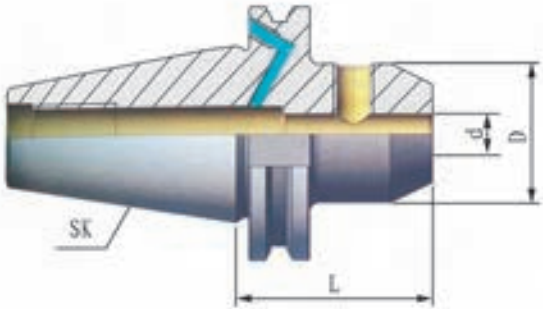
应用范围：适用于夹持DIN228-1B型带外螺纹的莫氏柄刀具



Side Lock End Mill Holder DIN6359/1835B (Weldon) 侧固式铣刀柄

DIN 69871





Order No.	Model	d	D	L	Wt(kg)
22300650SA	SK30-SLN6-50	6	25	50	0.73
22300850SA	SK30-SLN8-50	8	28	50	0.80
22301050SA	SK30-SLN10-50	10	35	50	0.90
22301250SA	SK30-SLN12-50	12	42	50	0.90
22301663SA	SK30-SLN16-63	16	48	63	1.10
22400650SA	SK40-SLN6-50	6	25	50	0.85
22400850SA	SK40-SLN8-50	8	28	50	1.00
22401050SA	SK40-SLN10-50	10	35	50	1.10
22401250SA	SK40-SLN12-50	12	42	50	1.30
22401663SA	SK40-SLN16-63	16	48	63	1.40
22402063SA	SK40-SLN20-63	20	52	63	1.50
224025100SA	SK40-SLN25-100	25	65	100	2.40
224032100SA	SK40-SLN32-100	32	72	100	2.70
22500663SA	SK50-SLN6-63	6	25	63	3.10
22500863SA	SK50-SLN8-63	8	28	63	3.10
22501063SA	SK50-SLN10-63	10	35	63	3.30
22501263SA	SK50-SLN12-63	12	42	63	3.50
22501663SA	SK50-SLN16-63	16	48	63	3.45
22502063SA	SK50-SLN20-63	20	52	63	3.50
22502580SA	SK50-SLN25-80	25	65	80	4.20
225032100SA	SK50-SLN32-100	32	72	100	5.00
225040100SA	SK50-SLN40-100	40	80	100	5.60
225050125SA	SK50-SLN50-125	50	100	125	5.70

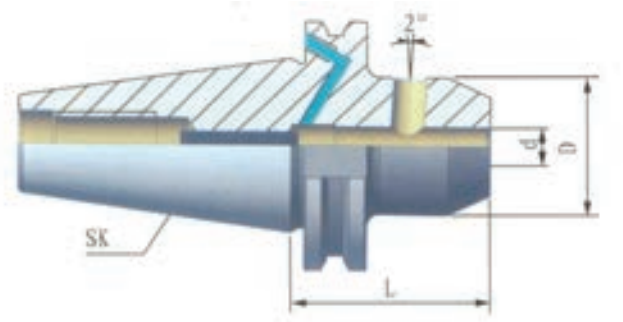
Use: For clamping cutters with straight shank and inclined flat of DIN1835-B and DIN6535-HB

应用范围：适用于夹持DIN1835-B及DIN6535-HB具有侧固平面的刀具



End Mill Holder Whistle North DIN6359/1835E 斜2°侧固式铣刀柄 DIN69871



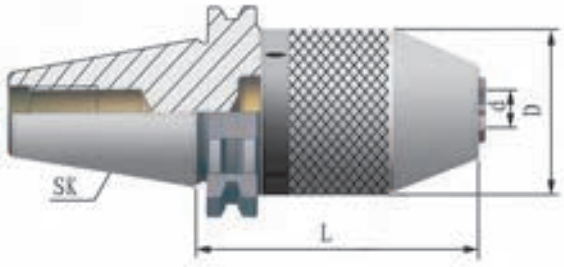


Order No.	Model	d	D	L
22400650SB	SK40-SLB06-50	6	25	50
22400850 SB	SK40-SLB08-50	8	28	50
22401050 SB	SK40-SLB10-50	10	35	50
22401250 SB	SK40-SLB12-50	12	42	50
22401450 SB	SK40-SLB14-50	14	44	50
22401663 SB	SK40-SLB16-63	16	48	63
22401863 SB	SK40-SLB18-63	18	50	63
22402063 SB	SK40-SLB20-63	20	52	63
224025100 SB	SK40-SLB25-100	25	65	100
22500663 SB	SK50-SLB06-63	6	25	63
22500863 SB	SK50-SLB08-63	8	28	63
22501063 SB	SK50-SLB10-63	10	35	63
22501263 SB	SK50-SLB12-63	12	42	63
22501463 SB	SK50-SLB14-63	14	44	63
22501663 SB	SK50-SLB16-63	16	48	63
22501863 SB	SK50-SLB18-63	18	50	63
22502063 SB	SK50-SLB20-63	20	52	63
22502580 SB	SK50-SLB25-80	25	65	80
225032100 SB	SK50-SLB32-100	32	72	100
225040100 SB	SK50-SLB40-100	40	80	100

Use: For clamping cutters with straight shank and inclined flat of DIN1835-E and DIN6535-HE
适用范围：适用于夹持DIN1835-E及DiN6535-HE具有侧固平面的刀具

APU Drill Chuck Holder　APU 钻夹头刀柄　DIN 69871





Order No.	Model	d	D	L	Wt(kg)
22300880A	SK30-APU08-80	1-8	37	80	0.6
223013120A	SK30-APU13-120	1-13	50	120	1.45
223016120A	SK30-APU16-120	3-16	57	120	1.78
22400875A	SK40-APU08-75	1-8	37	75	1.46
224013100A	SK40-APU13-100	1-13	50	100	2
224016105A	SK40-APU16-105	3-16	57	105	2.33
22500875A	SK50-APU08-75	1-8	37	75	3.86
225013100A	SK50-APU13-100	1-13	50	100	4.4
225016105A	SK50-APU16-105	3-16	57	105	4.73

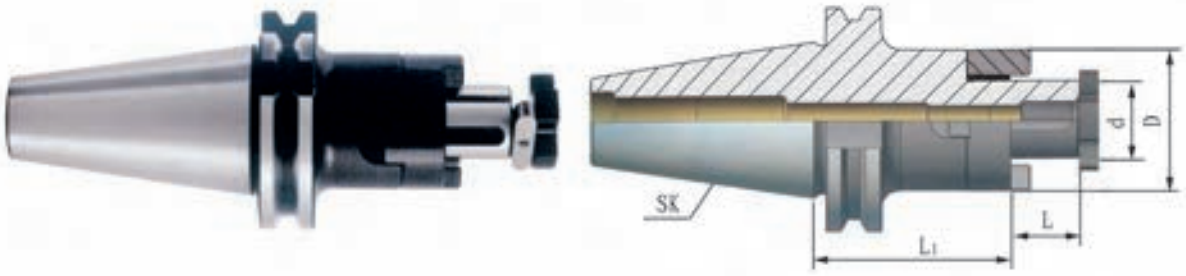
Use: For clamping tools with straight shank

应用范围：夹持直径为0.5-16mm的钻头



Combi Shell Mill Holder DIN6358 混合式铣刀柄

DIN 69871



Order No.	Model	d (心轴直径)	D (端面直径)	L (心轴长度)	L1
22301650CS	SK30-SEMC16-50	16	63	17	50
22302250CS	SK30-SEMC22-50	22	63	19	50
22302755CS	SK30-SEMC27-55	27	48	21	55
22303260CS	SK30-SEMC32-60	32	58	24	60
22401655CS	SK40-SEMC16-55	16	32	17	55
224016100CS	SK40-SEMC16-100	16	32	17	100
22402255CS	SK40-SEMC22-55	22	40	19	55
224022100CS	SK40-SEMC22-100	22	40	19	100
22402755CS	SK40-SEMC27-55	27	48	21	55
224027100CS	SK40-SEMC27-100	27	48	21	100
22403260CS	SK40-SEMC32-60	32	58	24	60
224032100CS	SK40-SEMC32-100	32	58	24	100
22404060CS	SK40-SEMC40-60	40	70	27	60
224040100CS	SK40-SEMC40-100	40	70	27	100

Use: For clamping shell mill DIN841 and DIN1880 as well as angular milling cutter DIN842 and cutter DIN1830

应用范围：适用于夹持带轴向或带径向驱动槽的铣刀如：立式盘铣刀，套式铣刀，面铣刀，盘铣刀，三面刃铣刀

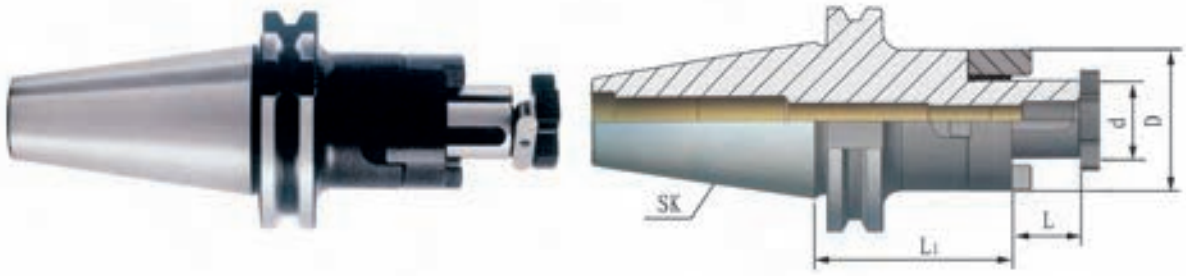






Combi Shell Mill Holder DIN6358 混合式铣刀柄

DIN 69871



Order No.	Model	d (心轴直径)	D (端面直径)	L (心轴长度)	L1
22501655CS	SK50-SEMC16-55	16	32	17	55
225016100CS	SK50-SEMC16-100	16	32	17	100
22502255CS	SK50-SEMC22-55	22	40	19	55
225022100CS	SK50-SEMC22-100	22	40	19	100
22502755CS	SK50-SEMC27-55	27	48	21	55
225027100CS	SK50-SEMC27-100	27	48	21	100
22503260CS	SK50-SEMC32-55	32	58	24	60
225032100CS	SK50-SEMC32-100	32	58	24	100
22504060CS	SK50-SEMC40-55	40	70	27	60
225040100CS	SK50-SEMC40-100	40	70	27	100

Use: For clamping shell mill DIN841 and DIN1880 as well as angular milling cutter DIN842 and cutter DIN1830

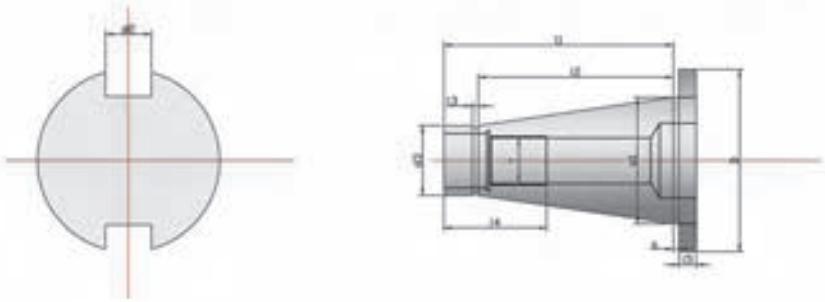
应用范围：适用于夹持带轴向或带径向驱动槽的铣刀如：立式盘铣刀，套式铣刀，面铣刀，盘铣刀，三面刃铣刀



DIN 2080 NT TOOL HOLDER



Taper Standard 锥柄标准 DIN 2080



Model	D	d1	d2	d3	a	l1	l2	l3	l4	l5	T
NT30	49	31.75	16.1	17.04	1.6	68.4	48.4	3	24	8	M12/1/2"-12
NT40	63	44.45	16.1	24.92	1.6	93.4	65.4	5	32	10	M16/5/8"-11
NT50	97.5	69.85	25.7	39.19	3.2	126.8	101.8	8	47	12	M24/1"-8

Material: Allyed case hardened steel, black-finished and precisely grinded
Taper tolerance: <AT3
Hardness: HRC 56-58
Carbon depth: 0.8mm±0.2mm
Max run out: <0.005mm
Surface Roughness: Ra<0.005mm
Shank body standard: DIN2080

材质：优质渗碳合金钢，发黑处理和精细研磨
锥柄：公差等级<AT3
硬度：HRC 56-58
渗碳深度：0.8mm±0.2mm
最大跳动：<0.005mm
表面粗糙度：Ra<0.005mm
本体规范DIN2080



ER Collet Chuck DIN6499
ER弹簧夹头刀柄 – – – – – – – – – 36



Precision Milling Chuck
强力铣刀柄 – – – – – – – – – – 37



OZ Collet Chuck DIN6391
重切削筒夹本体 – – – – – – – – – 38



FMB Face Mill Holder DIN6357
面铣刀柄 – – – – – – – – – – 39



FMA Face Mill Holder
面铣刀柄 – – – – – – – – – – 40



MTA Morse Taper Adapter DIN6383
带扁尾莫氏刀柄 – – – – – – – – 41



MTB Morse Taper Adapter (with Drawbar) DIN6364
带螺纹孔莫氏刀柄 – – – – – – – – 42



Side Lock End Mill Holder DIN6359/1835B (Weldon)
侧固式铣刀柄 – – – – – – – – – 43



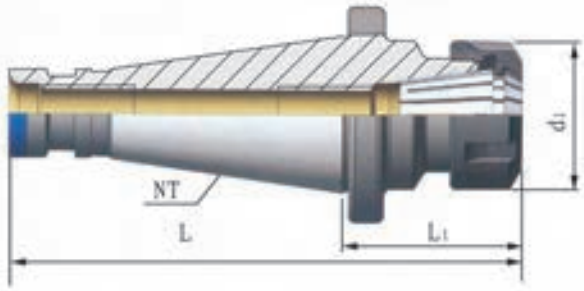
APU Drill Chuck Holder
APU钻夹头刀柄 – – – – – – – – 44



Combi Shell Mill Holder DIN6358
混合式铣刀柄 – – – – – – – – – 45

ER Collet Chuck DIN6499 ER弹簧夹头刀柄 DIN 2080





Order No.	Model	L1	d1	Clamping Range	Wt(kg)
33302070	NT30-ER20-70	70	34	0.5-13	0.6
333020100	NT30-ER20-100	100	34	0.5-13	0.8
333025100	NT30-ER25-100	100	42	0.5-16	0.9
33303260	NT30-ER32-60	60	50	1-20	0.8
333032100	NT30-ER32-100	100	50	1-20	0.9
33401645	NT40-ER16-45	45	28	0.5-10	1.0
334016100	NT40-ER16-100	100	32	0.5-10	1.1
33402045	NT40-ER20-45	45	34	0.5-13	1.2
334020100	NT40-ER20-100	100	34	0.5-13	1.3
334025100	NT40-ER25-100	100	42	0.5-16	1.5
33403260	NT40-ER32-60	60	50	1-20	1.3
334032100	NT40-ER32-100	100	50	1-20	1.7
33404070	NT40-ER40-70	70	63	2-26	1.4
335016100	NT50-ER16-100	100	28	0.5-10	3.1
335020100	NT50-ER20-100	100	34	0.5-13	3.2
335020150	NT50-ER20-150	150	34	0.5-13	3.3
335032100	NT50-ER32-100	100	50	1-20	3.3
33504080	NT50-ER40-80	80	63	2-26	3.2
33504080	NT50-ER40-100	80	63	2-26	3.4

Use: For clamping tools with straight shank in collets of DIN6499

应用范围：配DIN6499弹簧夹头可夹持各种尺寸直柄刀具

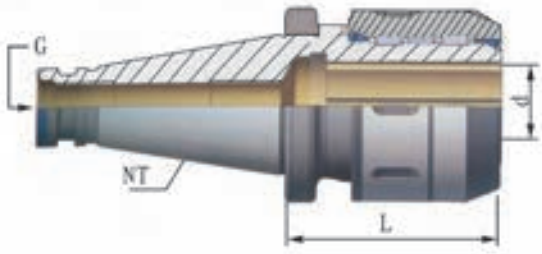






Precision Milling Chuck 强力铣刀柄 DIN 2080





Order No.	Model	Clamping Range	d	L	G
33302580C	NT30-ASC25-80	6-25	25	80	M12×1.75P 1/2"-12
33303290C	NT30-ASC32-90	6-32	32	90	
33402580C	NT40-SC25-80	6-25	25	80	M16×2.0P 5/8"-11
334025130C	NT40-SC25-130	6-25	25	130	
33403285C	NT40-SC32-85	6-32	32	85	
334032130C	NT40-SC32-130	6-32	32	130	
33502585C	NT50-SC25-85	6-25	25	85	M24×3.0P 1"-8
335025150C	NT50-SC25-150	6-25	25	150	
33503290C	NT50-SC32-90	6-32	32	90	
335032150C	NT50-SC32-150	6-32	32	150	
33504295C	NT50-SC42-95	6-42	42	95	
335042150C	NT50-SC42-150	6-42	42	150	

Use: For mounting straight shank tools in collets; to use for high speed cutting and high precision milling

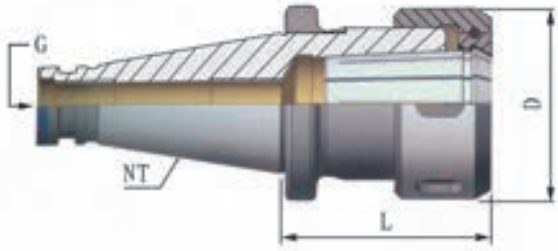
应用范围：配直柄筒夹可夹持各种尺寸直柄刀具用于高速及高精密加工





OZ Collet Chuck DIN6391 重切削筒夹本体 DIN 2080





Order No.	Model	Clamping Range	L	D	G
33402563OZ	NT40-OZ25-63	3-25	63	60	M16×2.0P 5/8"-11
334025100OZ	NT40-OZ25-100	3-25	100	60	
33403290OZ	NT40-OZ32-90	6-32	90	72	
33502563OZ	NT50-OZ25-63	3-25	63	60	M24×3.0P 1"-8
335025100OZ	NT50-OZ25-100	3-25	100	60	
33503270OZ	NT50-OZ32-70	6-32	70	72	

Use: For clamping tools with straight shank in collets of DIN6388

应用范围：配DIN6388 OZ弹簧夹头可夹持各种尺寸直柄刀具



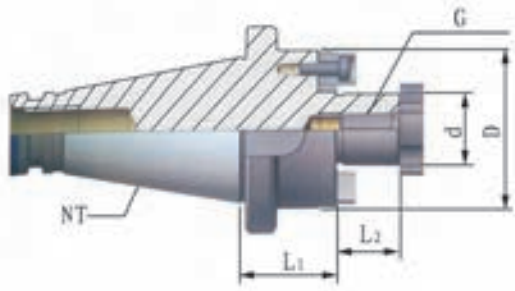




FMB Face Mill Holder DIN6357 面铣刀柄

DIN 2080





Order No.	Model	d	L1	L2	D	G	Draw Bolt
33302220FB	NT30-FMB22-20	22	20	18	53	M10	M12×1.75P 1/2"-12
33302720FB	NT30-FMB27-20	27	20	20	54	M12	
33303220FB	NT30-FMB32-20	32	20	21	59	M16	
33402220FB	NT40-FMB22-20	22	20	18	48	M10	M16×2.0P 5/8"-11
33402720FB	NT40-FMB27-20	27	20	20	58	M12	
33403220FB	NT40-FMB32-20	32	20	21	69	M16	
33404020FB	NT40-FMB40-20	40	20	24	80	M16	
33406024FB	NT40-FMB60-24	60	24	32	128	-	
33502220FB	NT50-FMB22-20	22	20	18	40	M10	M24×3.0P 1"-8
33502720FB	NT50-FMB27-20	27	20	20	70	M12	
33503220FB	NT50-FMB32-20	32	20	21	76	M16	
33504020FB	NT50-FMB40-20	40	20	24	88	M16	
33506024FB	NT50-FMB60-24	60	24	32	128	-	

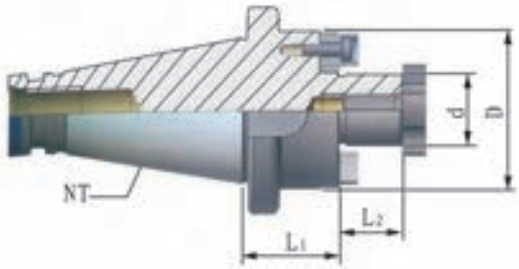
Use: For holding like shell mill cutters

应用范围：用于夹持带径向驱动槽的铣刀，如面铣刀，立式盘铣刀，套式立铣刀



FMA FACE MILL HOLDER (In inch) 面铣刀柄 DIN 2080





Order No.	Model	L1	Ød	ØD	L2	W
3330254L20FA	NT30-FMA25.4-20	20	25.4	50	20	9.5
33303175L25FA	NT30-FMA31.75-25	25	31.75	60	22	12.7
3330381L30FA	NT30-FMA38.1-30	30	38.1	80	25	15.9
3340254L20FA	NT40-FMA25.4-20	25	25.4	50	20	9.5
33403175L25FA	NT40-FMA31.75-25	25	31.75	60	22	12.7
3340381L30FA	NT40-FMA38.1-30	30	38.1	80	25	15.9
3340508L35FA	NT40-FMA50.8-35	35	50.8	100	28	15.9
3350254L35FA	NT50-FMA25.4-35	35	25.4	50	20	9.5
33503175L35FA	NT50-FMA31.75-35	35	31.75	60	22	12.7
3350381L35FA	NT50-FMA38.1-35	35	38.1	80	25	15.9
3350508L35FA	NT50-FMA50.8-35	35	50.8	100	28	15.9

Use: For holding like shell mill cutters

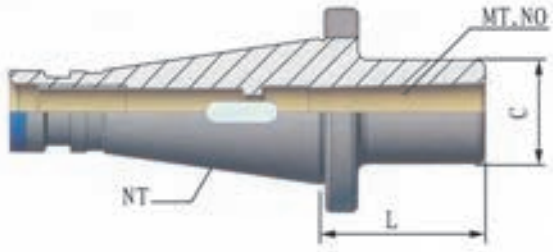
应用范围：用于夹持带径向驱动槽的铣刀，如面铣刀，立式盘铣刀，套式立铣刀



MTA Morse Taper Adapter DIN6383 带扁尾莫氏刀柄

DIN 2080





Order No.	Model	MT.No	L	C	Draw Bolt
333045MA1	NT30-MTA1-45	MTA1	45	25	M12×1.75P 1/2-12
333050MA2	NT30-MTA2-50	MTA2	50	32	
333065MA3	NT30-MTA3-65	MTA3	65	40	
334030MA1	NT40-MTA1-30	MTA1	30	25	M16×2.0P 5/8-11
334040MA2	NT40-MTA2-40	MTA2	40	32	
334070MA3	NT40-MTA3-70	MTA3	70	40	
334090MA4	NT40-MTA4-90	MTA4	90	50	
335030MA2	NT50-MTA2-30	MTA2	30	32	M24×3.0P 1"-8
335030MA3	NT50-MTA3-30	MTA3	30	40	
335070MA4	NT50-MTA4-70	MTA4	70	50	
3350105MA5	NT50-MTA5-105	MTA5	105	65	

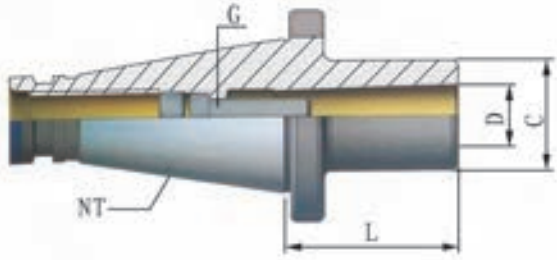
Use: For holding tools with Morse tapers and tang according to DIN228-1 form A

应用范围：适用于夹持DIN228-1A型带扁尾莫氏柄刀具

MTB Morse Taper Adapter (with Drawbar) DIN6364 带螺纹孔莫氏刀柄

DIN 2080



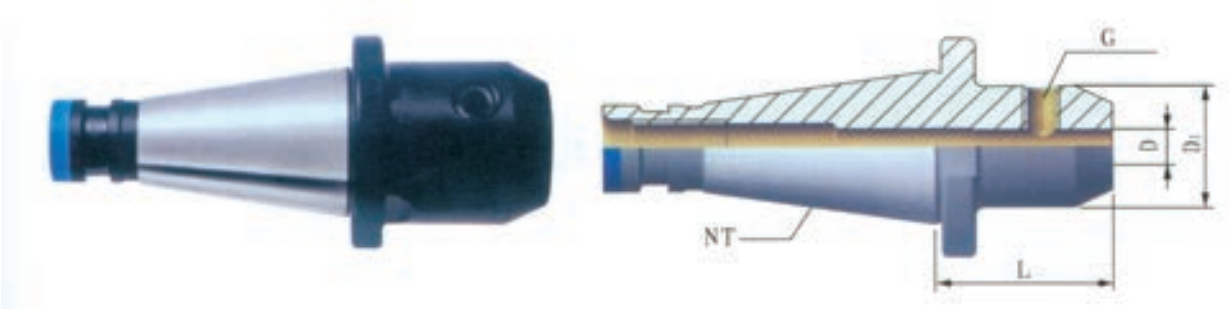


Order No.	Model	Capacity	D	L	C	G	Wt(kg)
333045MB1	NT30-MTB1-45	10-14	12.065	45	25	M6	0.6
333060MB2	NT30-MTB2-60	16-22	17.78	60	32	M10	0.9
333070MB3	NT30-MTB3-70	24-32	23.825	70	40	M12	1.0
334045MB1	NT40-MTB1-45	10-14	12.065	45	25	M6	1.2
334045MB2	NT40-MTB2-45	16-22	17.78	45	32	M10	1.3
334075MB3	NT40-MTB3-75	24-32	23.825	75	40	M12	1.9
334090MB4	NT40-MTB4-90	32-50	31.267	90	50	M16	2.5
335045MB1	NT50-MTB1-45	10-14	12.065	45	25	M6	3.0
335045MB2	NT50-MTB2-45	16-22	17.78	45	32	M10	3.2
335060MB3	NT50-MTB3-60	24-32	23.825	60	40	M12	3.5
335075MB4	NT50-MTB4-75	32-50	31.267	75	50	M16	4.0
3350105MB5	NT50-MTB5-105	50-75	44.399	105	65	M20	6.0

Use: For clamping tools with Morse tapers and drawbar thread according to DIN228-1 form B

应用范围：适用于夹持DIN228-1B型带外螺纹的莫氏柄刀具

Side Lock End Mill Holder DIN6359/1835B(Weldon)侧固式铣刀柄 DIN2080

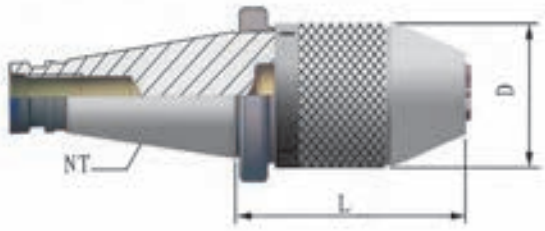


Order No.	Model	D	D1	L	G
33301255SA	NT30-SLN12-55	12	42	55	M12
33301660SA	NT30-SLN16-60	16	48	60	M12
33302065SA	NT30-SLN20-65	20	52	65	M12
33302575SA	NT30-SLN25-75	25	65	75	M12
33401255SA	NT40-SLN12-55	12	42	55	M16
33401660SA	NT40-SLN16-60	16	48	60	M16
33402065SA	NT40-SLN20-65	20	52	65	M16
33402575SA	NT40-SLN25-75	25	65	75	M16
33403290SA	NT40-SLN32-90	32	72	90	M16
33404270SA	NT40-SLN42-70	42	80	70	M16
33501263SA	NT50-SLN12-63	12	42	63	M24
33501663SA	NT50-SLN16-63	16	48	63	M24
33502063SA	NT50-SLN20-63	20	52	63	M24
33502575SA	NT50-SLN25-75	25	65	75	M24
33503280SA	NT50-SLN32-80	32	72	80	M24
335040100SA	NT50-SLN40-100	40	80	100	M24
335042100SA	NT50-SLN42-100	42	82	100	M24

Use:For clamping cutters with straight shank and inclined flat of DIN1835-E
应用范围：适用于夹持DINi835-B及DIN6535-HB具有侧固平面的刀具

APU Drill Chuck Holder APU 钻夹头刀柄 DIN 2080





Order No.	Model	Clamping Range	D	L	
				Min	Max
33300880A	NT30-APU08-80	1-8	36.3	75	82
333013100A	NT30-APU13-100	1-13	51.5	97	104.5
33400885A	NT40-APU08-85	1-8	36.3	79	86.5
334013110A	NT40-APU13-110	1-13	51.5	98	109
334016130A	NT40-APU16-130	3-16	58	116	130
33500895A	NT50-APU08-95	1-8	36.3	90	97.5
335013120A	NT50-APU13-120	1-13	51.5	109	120
335013180A	NT50-APU13-180	1-13	51.5	169	180
335016130A	NT50-APU16-130	3-16	58	116	130
335016190A	NT50-APU16-190	3-16	58	176	190

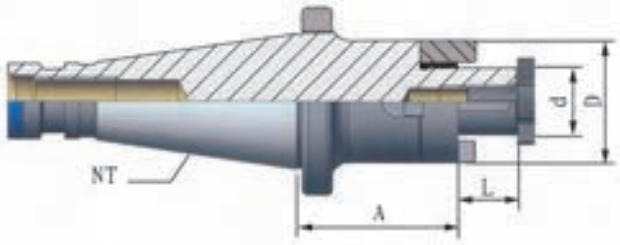
Use: For clamping tools with straight shank

应用范围：夹持直径为0.5-16mm的钻头

Combi Shell Mill Holder DIN6358 混合式铣刀柄

DIN 2080





Order No.	Model	d (心轴直径)	D (端面直径)	L (心轴长度)	A
33301635CS	NT30-SEMC16-35	16	32	17	35
33302235CS	NT30-SEMC22-35	22	40	19	35
33302735CS	NT30-SEMC27-35	27	48	21	35
33303250CS	NT30-SEMC32-50	30	58	24	50
33401652CS	NT40-SEMC16-52	16	32	17	52
33402252CS	NT40-SEMC22-52	22	40	19	52
33402752CS	NT40-SEMC27-52	27	48	21	52
33403252CS	NT40-SEMC32-52	32	58	24	52
33404052CS	NT40-SEMC40-52	40	70	27	52
33501655CS	NT50-SEMC16-55	16	32	17	55
33502255CS	NT50-SEMC22-55	22	40	19	55
33502755CS	NT50-SEMC27-55	27	48	21	55
33503255CS	NT50-SEMC32-55	32	58	24	55
33504055CS	NT50-SEMC40-55	40	70	27	55

Use: For clamping shell mill DIN841 and DIN1880 as well as angular milling cutter DIN842 and cutter DIN1830

应用范围：适用于夹持带轴向或带径向驱动槽的铣刀如：立式盘铣刀，套式铣刀，面铣刀，盘铣刀，三面刃铣刀

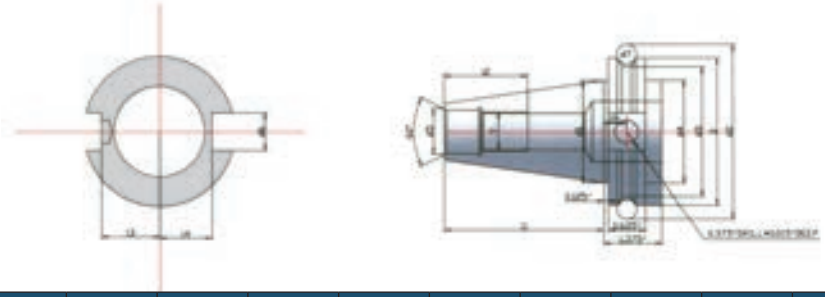




ANSI CAT TOOL HOLDER



Taper Standard 锥柄标准 ANSI B5.50



Model	D	d1	d2	d3	d4	d5	d6	d7	l1	l2	l3	l4	l5	T
CAT30	1. 812	1.25	2.176	1.531	1.25	0.516	0.645	0.2813	1.875	0.188	0.735	0.64	0.44	1/2-12
CAT40	2.500	1.75	2.863	2.219	1.75	0.641	0.645	0.2813	2.687	0.188	0.985	0.89	0.44	5/8-11
CAT50	3.875	2.75	4.238	3.594	2.75	1.031	1.020	0.2813	4.000	0.250	1.485	1.39	0.44	1-8

Material:Allyed case hardened steel,black-finished and precisely grinded
Taper tolerance:<AT3
Hardness:HRC 56-58
Carbon depth:0.8mm±0.2mm
Max run out:<0.005mm
Surface Roughness:Ra<0.005mm
Cooling AD+B type can be made by request
When Order,please specify balancing G6.3or G2.5.
Shank body standard:ANSI B5.50

材质：优质渗碳合金钢，发黑处理和精细研磨
锥柄：公差等级<AT3
硬度：HRC 56-58
渗碳深度：0.8mm±0.2mm
最大跳动：<0.005mm
表面粗糙度：Ra<0.005mm
刀柄本体可另外指定冷却方式AD+B
刀柄可指定动平衡G6.3或G2.5
本体规范ANSI B5.50

Cooling 冷却方式

Form A: without cooling supply
Form AD:central cooling supply
Form AD+B:central cooling and internal collant through the collar

A型：无内冷孔
AD型：中心通水
AD+B型：中心通水及法兰通水





ER Collet Chuck DIN6499
ER弹簧夹头刀柄 – – – – – – – – –49–50



Precision Milling Chuck
强力铣刀柄 – – – – – – – – – – – – 51



OZ Collet Chuck DIN6391
重切削筒夹本体 – – – – – – – – – – 52



FMA Face Mill Holder DIN6357
面铣刀柄 – – – – – – – – – – – – 53



MTA Morse Taper Adapter DIN6383
带扁尾莫氏刀柄 – – – – – – – – – 54



MTB Morse Taper Adapter (with Drawbar) DIN6364
带螺纹孔莫氏刀柄 – – – – – – – – – 55



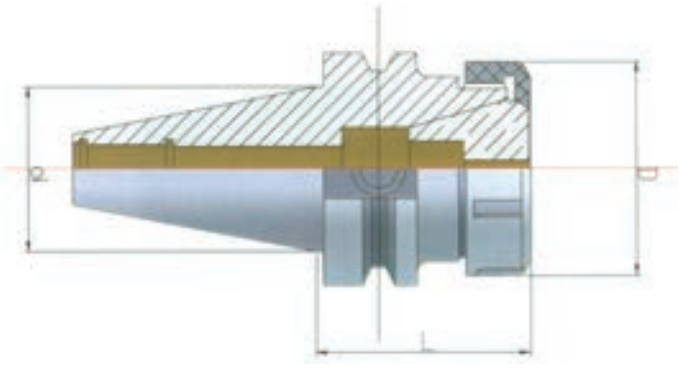
Side Lock End Mill Holder DIN6359/1835B (Weldon)
侧固式铣刀柄 – – – – – – – – – – 56



APU Drill Chuck Holder
APU钻夹头刀柄 – – – – – – – – – 57

ER Collet Chuck DIN6499 ER弹簧夹头刀柄 AMSO B5.50



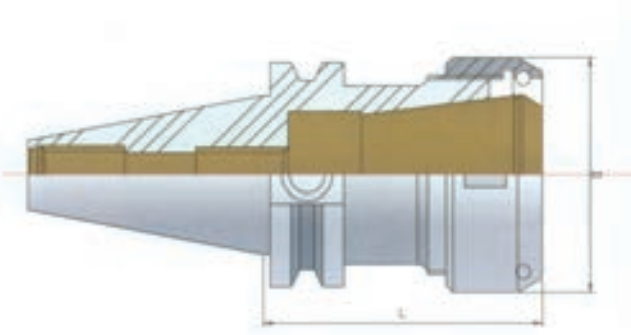


Order No.	Model	D	d	Clamping range
55401670	CAT40×ER16-70	28	44.45	0.5-10
554016100	CAT40×ER16-100	28	44.45	0.5-10
554016120	CAT40×ER16-120	28	44.45	0.5-10
55402070	CAT40×ER20-70	35	44.45	0.5-13
554020100	CAT40×ER20-100	35	44.45	0.5-13
55402570	CAT40×ER25-70	42	44.45	0.5-16
554025100	CAT40×ER25-100	42	44.45	0.5-16
554025150	CAT40×ER25-150	42	44.45	0.5-16
55403270	CAT40×ER32-70	50	44.45	1-20
554032100	CAT40×ER32-100	50	44.45	1-20
554032120	CAT40×ER32-120	50	44.45	1-20
554032150	CAT40×ER32-150	50	44.45	1-20
554040100	CAT40×ER40-100	63	44.45	2-26
554040120	CAT40×ER40-120	63	44.45	2-26

Use: For clamping tools with straight shank in collets of DIN 6499
应用范围：配DIN6499 弹簧夹头可持各种尺寸直柄刀具

ER Collet Chuck DIN6499　　ER弹簧夹头刀柄　　ANS1 B5.50



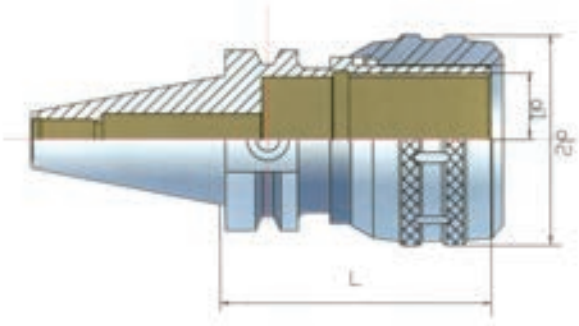


Order No.	Model	D	d	Clamping range
55501680	CAT50×ER16-80	28	69.85	0.5-10
55502080	CAT50×ER20-80	35	69.85	0.5-13
55502090	CAT50×ER20-90	35	69.85	0.5-13
555020105	CAT50×ER20-105	35	69.85	0.5-13
555020150	CAT50×ER20-150	35	69.85	0.5-13
55502580	CAT50×ER25-80	42	69.85	0.5-16
555025105	CAT50×ER25-105	42	69.85	0.5-16
555025135	CAT50×ER25-135	42	69.85	0.5-16
55503280	CAT50×ER32-80	50	69.85	1-20
555032100	CAT50×ER32-100	50	69.85	1-20
555032120	CAT50×ER32-120	50	69.85	1-20
55504080	CAT50×ER40-80	63	69.85	2-26
555040100	CAT50×ER40-100	63	69.85	2-26
555040120	CAT50×ER40-120	63	69.85	2-26

Use: For clamping tools with straight shank in collets of DIN 6499
应用范围：配DIN6499 弹簧夹头可持各种尺寸直柄刀具

Precision Milling Chuck 强力铣刀柄 ANS1 B5.50





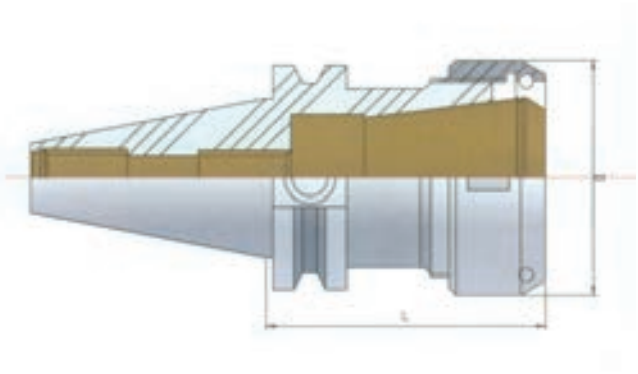
Order No.	Model	d1	d2	L	Wt(kg)
55400.75 ” 86C	CAT40-SC3/4 ” -3.385 ”	3/4 ”	2.17	3.39 ”	1.9
55400.75 ” 105C	CAT40-SC3/4 ” -4.13 ”	3/4 ”	2.17	4.13 ”	2.1
55401.25 ” 115C	CAT40-SC1-1/4 ” -4.53 ”	1.25 ”	2.87	4.53 ”	2.4
55500.75 ” 105C	CAT50-SC3/4 ” -4.13 ”	3/4 ”	2.17	4.13 ”	2.5
55501.25 ” 105C	CAT50-SC1-1/4 ” -4.13 ”	1.25 ”	2.87	4.13 ”	2.8

Use: For mounting straight shank tools in collets;to use for high speed cutting and high precision milling

应用范围：配直柄筒夹可夹持各种尺寸直柄刀具用于高速及高精密加工

OZ Collet Chuck DIN6391 重切削筒夹本体 ANSI B5.50

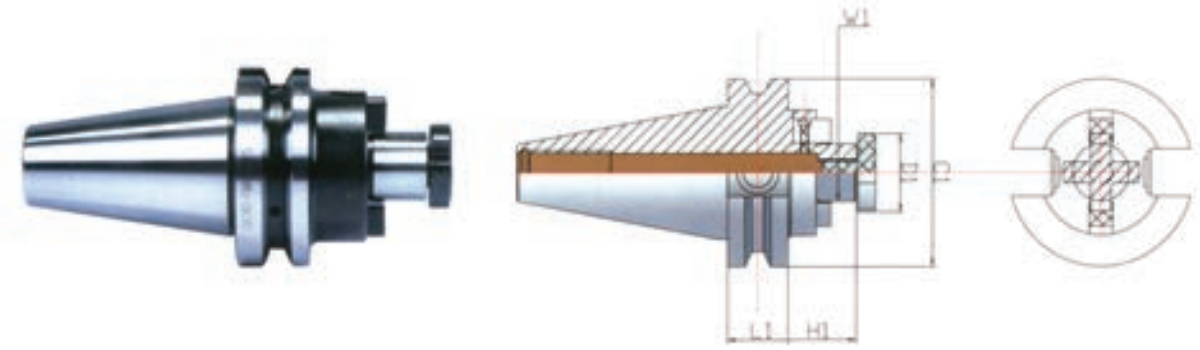




Order No.	Model	D1	L	L1	D	Collet Type
554025 2.25 ” OZ	CAT40-OZ25-2.25 ”	1/8 ” -1 ”	2.25 ”	1.18 ”	2.36 ”	OZ25
554025 4.00 ” OZ	CAT40-OZ25-4.00 ”	1/8 ” -1 ”	4.00 ”	1.18 ”	2.36 ”	OZ25
554032 2.25 ” OZ	CAT40-OZ32-2.25 ”	1/4 ” -1-1/4 ”	2.25 ”	1.30 ”	2.83 ”	OZ32
554032 4.00 ” OZ	CAT40-OZ32-4.00 ”	1/4 ” -1-1/4 ”	4.00 ”	1.30 ”	2.83 ”	OZ32
555025 2.25 ” OZ	CAT50-OZ25-2.25 ”	1/8 ” -1 ”	2.25 ”	1.18 ”	2.36 ”	OZ25
555025 4.00 ” OZ	CAT50-OZ25-4.00 ”	1/8 ” -1 ”	4.00 ”	1.18 ”	2.36 ”	OZ25
555032 2.25 ” OZ	CAT50-OZ32-2.25 ”	1/4 ” -1-1/4 ”	2.25 ”	1.30 ”	2.83 ”	OZ32
555032 4.00 ” OZ	CAT50-OZ32-4.00 ”	1/4 ” -1-1/4 ”	4.00 ”	1.30 ”	2.83 ”	OZ32

Use:For clamping tools with straight shank in collets of DIN6388
应用范围：配DIN6388 OZ弹簧夹头可夹持各种尺寸直柄刀具

FMA FACE MILL HOLDER 面铣刀柄 ANSI B5.50

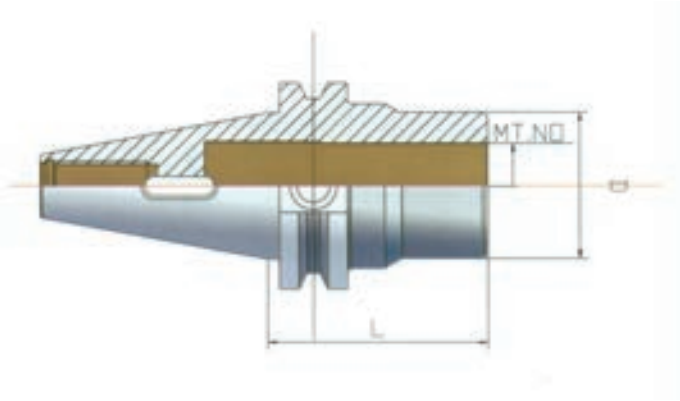


Order No.	Model	D1	L1	H1	C1	W1
5540254L175FA	CAT40-FMA25.4-1.75”	25.4(1”)	1.75”	17.5	2.362”	9.5(0.374”)
55403175L2FA	CAT40-FMA31.75-2”	31.75(1.25”)	2”	17.5	2.756”	12.7(0.5”)
5540381L2FA	CAT40-FMA38.1-2”	38.1(1.5”)	2”	23.8	3.346”	15.9(0.626”)
5550254L175FA	CAT50-FMA25.4-1.75”	25.4(1”)	1.75”	17.5	2.362”	9.5(0.374”)
5550254L4FA	CAT50-FMA25.4-4”	25.4(1”)	4”	17.5	2.362”	9.5(0.374”)
5550254L6FA	CAT50-FMA25.4-6”	25.4(1”)	6”	17.5	2.362”	9.5(0.374”)
55503175L175FA	CAT50-FMA31.75-1.75”	31.75(1.25”)	1.75”	17.5	2.756”	12.7(0.5”)
55503175L4FA	CAT50-FMA31.75-4”	31.75(1.25”)	4”	17.5	2.756”	12.7(0.5”)
55503175L6FA	CAT50-FMA31.75-6”	31.75(1.25”)	6”	17.5	2.756”	12.7(0.5”)
5550381L2FA	CAT50-FMA38.1-2”	38.1(1.5”)	2”	23.8	3.346”	15.9(0.626”)
5550381L4FA	CAT50-FMA38.1-4”	38.1(1.5”)	4”	23.8	3.346”	15.9(0.626”)
5550381L6FA	CAT50-FMA38.1-6”	38.1(1.5”)	6”	23.8	3.346”	19.05(0.75”)
5550508L2FA	CAT50-FMA50.8-2”	50.8(2”)	2”	24	3.74”	19.05(0.75”)
5550508L4FA	CAT50-FMA50.8-4”	50.8(2”)	4”	24	3.74”	19.05(0.75”)
5550508L6FA	CAT50-FMA50.8-6”	50.8(2”)	6”	24	3.74”	19.05(0.75”)
555047625L3FA	CAT50-FMA47.625-3”	47.625(1.875”)	3”	32	5.26”	25.4(1”)

Use:For holding like shell mill cutters
应用范围：用于夹持带径向驱动槽的铣刀，如面铣刀，立式盘铣刀，套式立铣刀

MTA Morse Taper Adapter DIN6383 带扁尾莫氏刀柄 ANSI B5.50





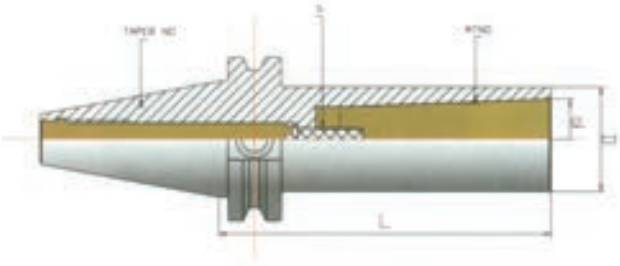
Order No.	Model	MT.No.	L	D	Wt(kg)
334045MA1	CAT40-MTA1-45	1	45	25	1.3
334063MA2	CAT40-MTA2-63	2	63	32	1.7
334075MA3	CAT40-MTA3-75	3	75	40	2
3340100MA4	CAT40-MTA4-100	4	100	48	2.5
335040MA1	CAT50-MTA1-40	1	40	25	4
335050MA2	CAT50-MTA2-50	2	50	32	4
3350135MA2	CAT50-MTA2-135	2	135	32	4.4
335063MA3	CAT50-MTA3-63	3	63	40	4.2
3350150MA3	CAT50-MTA3-150	3	150	40	4.7
335065MA4	CAT50-MTA4-65	4	65	48	4.3
335085MA4	CAT50-MTA4-85	4	85	48	4.8
3350105MA5	CAT50-MTA5-10	5	105	65	4.9

Use:For clamping tools with straight shank in collets of DIN6388
应用范围：配DIN6388 OZ弹簧Use: For holding tools with Morse tapers and tang according to DIN228-1 form A

应用范围：适用于夹持DIN228-1A型带扁尾莫氏柄刀具
夹头可夹持各种尺寸直柄刀具

MTB Morse Taper Adapter (with Drawbar) DIN6364 带螺纹孔莫氏刀柄 ANSI B5.50



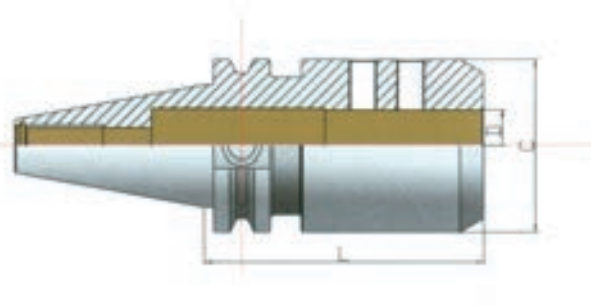


Order No.	Model	MT.No.	L	d	D	G	Wt(kg)
554050MB1	CAT40-MTB1-50	1	50	12.065	25	M6×1	1
554050MB2	CAT40-MTB2-50	2	50	17.78	32	M10×1.5	1.1
554070MB3	CAT40-MTB3-70	3	70	23.825	40	M12×1.75	1.2
5540095MB4	CAT40-MTB4-95	4	95	31.267	50	M16×2	1.3
554550MB1	CAT45-MTB1-50	1	50	12.065	25	M6×1	2.4
554560MB2	CAT45-MTB2-60	2	60	17.78	32	M10×1.5	2.4
554565MB3	CAT45-MTB3-65	3	65	23.825	40	M12×1.75	2.4
554570MB4	CAT45-MTB4-70	4	70	31.267	50	M16×2	2.5
555050MB1	CAT50-MTB1-50	1	50	12.065	25	M6×1	3.9
555060MB2	CAT50-MTB2-60	2	60	17.78	32	M10×1.5	3.9
555065MB3	CAT50-MTB3-65	3	65	23.825	40	M12×1.75	3.9
555070MB4	CAT50-MTB4-70	4	70	31.267	50	M16×2	3.9

Use:For clamping tools with Mores tapers and drawbar thread according to DIN228-1 form B
应用范围：适用于夹持DIN228-1B型带外螺丝的莫氏柄刀具

Side Lock End Mill Holder DIN6359/1835B(Weldon) 侧固式铣刀柄 ANSI B5.50



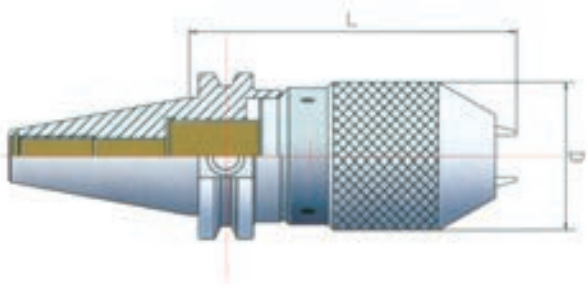


Order No.	Model	D	C	L
55400650SA	CAT40-SLN6-50	6	25	50
55400850SA	CAT40-SLN8-50	8	28	50
55401050SA	CAT40-SLN10-50	10	35	50
55401250SA	CAT40-SLN12-50	12	42	50
55401663SA	CAT40-SLN16-63	16	48	63
55402063SA	CAT40-SLN20-63	20	52	63
554025100SA	CAT40-SLN25-100	25	65	100
554032100SA	CAT40-SLN32-100	32	72	100
55500663SA	CAT50-SLN6-63	6	25	63
55500863SA	CAT50-SLN8-63	8	28	63
55501063SA	CAT50-SLN10-63	10	35	63
55501263SA	CAT50-SLN12-63	12	42	63
55501663SA	CAT50-SLN16-63	16	48	63
55502063SA	CAT50-SLN20-63	20	52	63
55502580SA	CAT50-SLN25-80	25	65	80
555032100SA	CAT50-SLN32-100	32	72	100
555040120SA	CAT50-SLN40-120	40	80	120
555050130SA	CAT50-SLN50-130	50	100	130

Use: For clamping cutters with straight shank and inclined flat of DIN1835-B and DIN6535-HB
应用范围：适用于夹持DIN1835-B及DIN6535-HB具有侧固平面的刀具

APU Drill Chuck Holder APU 钻夹头刀柄 ANSI B5.50



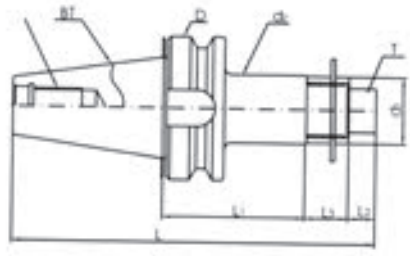


Order No.	Model	Clamping Range	D	L	
				Min	Max
55400865A	CAT40-APU08	1-8	36.3	65	76.5
55401388A	CAT40-APU13	1-13	51.5	88	99
554016106A	CAT40-APU16	3-16	58	106	120
55500870A	CAT50-APU08	1-8	36.3	70	77.5
55501389A	CAT50-APU13	1-13	51.5	89	100
55501696A	CAT50-APU16	3-16	58	96	110

Use: For clamping tools with straight shank
应用范围：夹持直径为0.5-16mm的钻头

BT/SCA 侧铣刀柄 BT/SCA lateral milling cutter handle

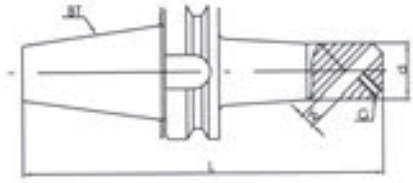




型号（d1-l1）Cat.No	L	L2	L3	D	d2	d3	K	H	T	重量（KGS）
BT40×SCA22-75	192.4	22	30	63	34	34	6	24.3	M20×1.5P	1.7
BT40×SCA22-120	237.4	22	30	63	34	34	6	24.3	M20×1.5P	2.0
BT40×SCA27-75	198.4	28	30	63	41	40	7	30	M24×1.5P	2.1
BT40×SCA27-120	243.4	28	30	63	41	40	7	30	M24×1.5P	2.5
BT40×SCA32-90	217.4	32	30	63	47	47	8	35	M30×1.5P	2.6
BT40×SCA22.22-75	192.4	22	30	63	34	34	3.17	24.6	M20×1.5P	1.7
BT40×SCA22.22-120	237.4	28	30	63	34	34	3.17	24.6	M24×1.5P	2.0
BT40×SCA25.40-75	198.4	28	30	63	41	40	6.35	28.4	M24×1.5P	2.0
BT40×SCA25.40-120	243.4	28	30	63	41	40	6.35	28.4	M24×1.5P	2.4
BT40×SCA31.75-90	217.4	32	30	63	47	47	7.93	34.8	M30×1.5P	2.6
BT50×SCA22-90	243.8	22	30	100	34	34	6	24.3	M20×1.5P	4.4
BT50×SCA22-135	288.8	22	30	100	34	34	6	24.3	M20×1.5P	4.7
BT50×SCA27-90	249.8	28	30	100	41	40	7	30	M24×1.5P	4.6
BT50×SCA27-135	294.8	28	30	100	41	40	7	30	M24×1.5P	5.0
BT50×SCA32-90	253.8	32	30	100	47	47	8	35	M30×1.5P	4.7
BT50-SCA32-135	298.8	32	30	100	47	47	8	35	M30×1.5P	5.2
BT50×SCA40-90	261.8	40	30	100	55	55	10	43.7	M36×2.0P	5.0
BT50×SCA40-135	306.8	40	30	100	55	55	10	43.7	M36×2.0P	6.0
BT50×SCA25.4-90	249.8	28	30	100	41	40	6.35	28.4	M24×1.8P	4.5
BT50×SCA25.4-135	294.8	28	30	100	41	40	6.35	28.4	M24×1.5P	4.9
BT50×SCA31.75-90	283.8	32	30	100	47	47	7.93	34.8	M30×1.5P	4.7
BT50×SCA31.75-135	298.8	32	30	100	47	47	7.93	34.8	M30×1.5P	5.2
BT50×SCA38.10-90	261.8	40	30	100	55	55	9.52	42.4	M36×2.0P	4.9
BT50×SCA38.10-135	306.8	40	30	100	55	55	9.52	42.4	M36×2.0P	5.9

45 ° 粗镗刀杆 45 ° SQUARE SHANK BORING BAR TYPEA

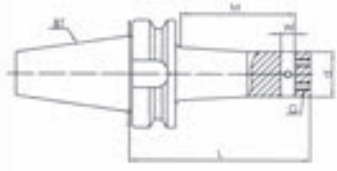




规格 Type	L	D		M	d	G	W
		Min	Max				
BT40-BSA25-120	120	25	38	90	20	M6	8
BT40-BSA30-150	150	30	42	120	24	M6	8
BT40-BSA38-165	165	38	52	135	30	M8	10
BT40-BSA42-165	165	42	56	135	34	M8	10
BT40-BSA50-165	165	50	65	135	40	M10	13
BT40-BSA62-180	180	62	90	150	50	M10	16
BT40-BSA72-180	180	72	110	150	60	M10	19
BT40-BSA90-180	180	90	125	150	73	M12	19
BT50-BSA25-135	135	25	38	90	20	M6	8
BT50-BSA30-165	165	30	42	122	24	M6	8
BT50-BSA38-180	180	38	52	137	30	M8	10
BT50-BSA42-210	210	42	56	167	34	M8	10
BT50-BSA50-150	150	50	65	137	40	M10	13
BT50-BSA62-195	195	62	90	152	50	M10	16
BT50-BSA72-195	195	72	110	152	60	M10	19
BT50-BSA90-210	210	90	125	167	75	M12	19
BT50-BSA105-195	195	105	160	-	90	M12	25
BT50-BSA105-255	255	130	190	-	110	M12	25

90 ° 粗镗刀杆 90 ° SQUARE SHANK BORING BAR TYPE B

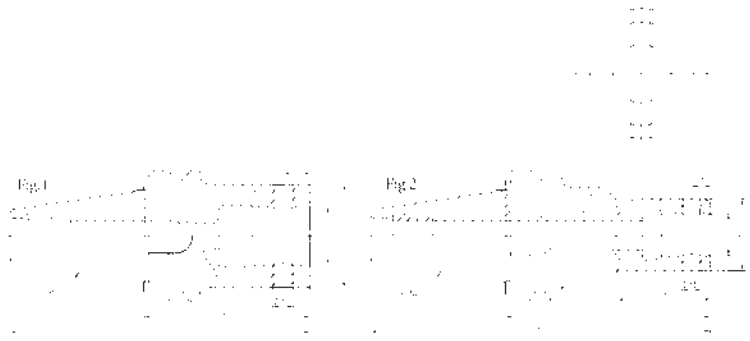




规格 Type	L	D		M	d	G	W
		Min	Max				
BT40-BSB25-120	135	25	52	104	20	M8	8
BT40-BSB30-150	165	38	70	133	30	M10	8
BT40-BSB38-165	165	50	90	133	40	M10	10
BT40-BSB42-165	180	62	115	137	50	M10	10
BT40-BSB50-165	180	72	135	138	60	M10	13
BT40-BSB62-180	180	90	150	138	75	M12	16
BT40-BSB72-180	135	25	52	90	20	M8	19
BT40-BSB90-180	180	38	70	137	30	M10	19
BT50-BSB25-135	180	50	90	137	40	M10	8
BT50-BSB30-165	240	50	90	197	40	M10	8
BT50-BSB38-180	195	62	115	152	50	M10	10
BT50-BSB42-210	270	62	115	227	50	M10	10
BT50-BSB50-150	195	72	135	152	60	M10	13
BT50-BSB62-195	210	90	150	167	75	M12	16
BT50-BSB72-195	195	105	190	154	90	M12	19
BT50-BSB90-210	255	130	260	217	110	M12	19

TOOLHOLDER 刀柄部分





双刃粗镗刀柄
LBK TWIN-BORE CUTTER TOOL HOLDER
BT NO-LBK□-L1

特性
BT NO 锥柄锥度执行AT3标准
D内孔执行公差H5
整支中心出水利于出水及抗震

Features
BT NO taper shank executives AT3 standard;
Tolerance H5 for D inner bore;
Entire center cooling is good for through coolant and antivibration.

规格 MODEL NO.		型式 Type	D	d	L	L1	L2	L3	M
BT30	-LBK1-70	Fig.1	11	19	118.4	70	5.05	-	M4×0.5
	-LBK2-80		14	24	128.4	80	6.55		M5×0.5
	-LBK3-80		18	31	128.4	80	8.05		M6×0.75
	-LBK4-70		22	39	118.4	70	10.05		M8×0.75
	-LBK5-60		28	50	108.4	60	13.05		M10×1
	-LBK6-60		36	64	108.4	60	16.05		M12×1
BT40	-LBK1-75	Fig.1	11	19	140.4	75	5.05	-	M4×0.5
	-105				170.4	105			
	-LBK2-85		14	24	150.4	85	6.55		M5×0.5
	-115				180.4	115			
	-LBK3-95		18	31	160.4	95	8.05		M6×0.75
	-125				190.4	125			
	-155				220.4	155			
	-LBK4-85		22	39	135.4	70	10.05		M8×0.75
	-130				195.4	130			
	-175				240.4	175			
	-LBK5-75	Fig.1	28	50	140.4	75	13.05	-	M10×1
	-125				190.4	125			
	-175				240.4	175			
	-LBK6-65		36	64	130.4	65	16.05		M12×1
	-115				180.4	115			
	-165				230.4	165			
BT50	-LBK1-115	Fig.2	11	19	216.8	115	5.05	40	M4×0.5
	-145				246.8	145		70	
	-LBK2-110	Fig.1	14	24	211.8	110	6.55	-	M5×0.5
	-140				241.8	140			
	-LBK3-125		18	31	226.8	125	8.05		M6×0.75
	--155				256.8	155			
	-LBK4-115		22	39	216.8	115	10.05		M8×0.75
	-145				246.8	145			
	-175				276.8	175			
	-205		28	50	306.8	205	13.05		M10×1
	-LBK5-105				206.8	105			
	-180				281.8	180			
	-240				341.8	240			
	-300	Fig.2			401.8	300		195	
	-LBK6-95	Fig.1	36	64	196.8	95	16.05	-	M12×1
	-170				271.8	170			
	-230				331.8	230			
	-290				391.8	290			
	-350	Fig.2			451.8	350		280	

ACCESSORY





MT MILL CHUCK
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R8 SHANK
R8 铣刀柄 – – – – – – – – – – – – – – 64



Z-AXES SETTER
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Straight Shank Collet Chuck
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Straight Shank Collet Chuck
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R8 COLLET
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ER TAP COLLET
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ER SEALED COLLET
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EOCB COLLET
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EOC COLLET SET
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Straight Shank Collet
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SK压帽 – – – – – 75


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ATTACHMENT OF COMBI SHELL END MILL ARBORS
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F1 BORING HEAD
F1 镗头 – – – 97

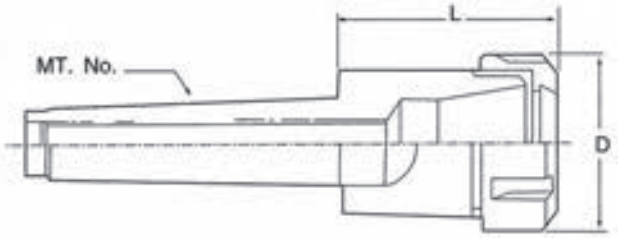

5C FIXTURE
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PRECISION TOOL VISES
精密平口钳 – – – – 98–99

莫氏铣刀柄 /MT MILL CHUCK



■Dimensions:

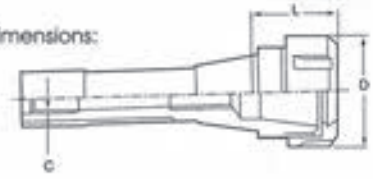


Model No.	L	D	Collet Type
MTB2-ER16-40	40	28	ER16
MTB2-ER20-45	45	34	ER20
MTB2-ER25-47	47	42	ER25
MTB3-ER16-40	40	28	ER16
MTB3-ER32-70	70	50	ER32
MTB3-ER40-80	80	63	ER40
MTB4-ER32-60	60	50	ER32
MTB4-ER40-82	82	63	ER40
MTB5-ER40-82	82	63	ER40

R8 铣刀柄 /R8 SHANK



■Dimensions:



(Unit: mm)

Model No.	Colletlype	L	D	Draw Bar-G
R8-ER16	ER16	38	28	7/16" X 20UNF
R8-ER32	ER32	40	50	
R8-ER40	ER40	70	63	

Z-AXES SETTER

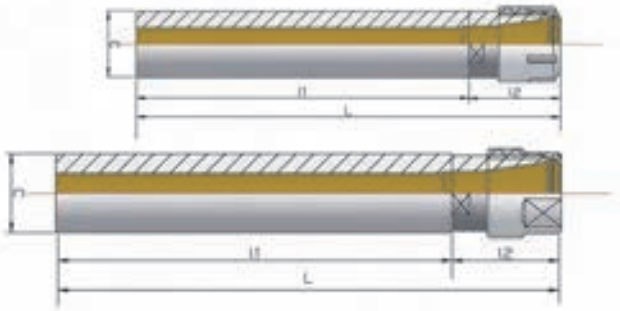


Z-AXES SETTER, INNER GAUGE TYPE

Order No.	Range	Grad.	Accuracy
102-3094	2"	0.001"	0.0006"
102-3095	50mm	0.01mm	0.015mm

Straight Shank Collet Chuck 直柄延长杆





Order No.	Model	C	l1	Wt(kg)
661611050	C16-ER11A-50	16	50	0.13
661611100	C16-ER11A-100	16	100	0.19
661616100	C16A-ER16A-100	16	100	0.2
661616150	C16A-ER16A-150	16	150	0.24
662016050	C20-ER16A-50	20	50	0.18
662016100	C20-ER16A-100	20	100	0.27
662016150	C20-ER16A-150	20	150	0.37
662020050	C20A-ER20A-50	20	50	0.22
662020100	C20A-ER20A-100	20	100	0.38
662025050	C20-ER25-50	20	50	0.39
662025100	C20-ER25-100	20	100	0.41
662516100	C25-ER16A-100	25	100	0.45
662516150	C25-ER16A-150	25	150	0.56
662520100	C25-ER20A-100	25	100	0.46
662520150	C25-ER20A-150	25	150	0.58
662525100	C25-ER25-100	25	100	0.47
662525150	C25-ER25-150	25	150	0.58
662532100	C25-ER32-100	25	100	0.6
663225100	C32-ER25-100	32	100	0.7
663232100	C32-ER32-100	32	100	0.8
663232150	C32-ER32-150	32	150	1.3
663240100	C32-ER40-100	32	100	2.4
664032100	C40-ER32-100	40	100	1.7
664040100	C40-ER40-100	40	100	1.9

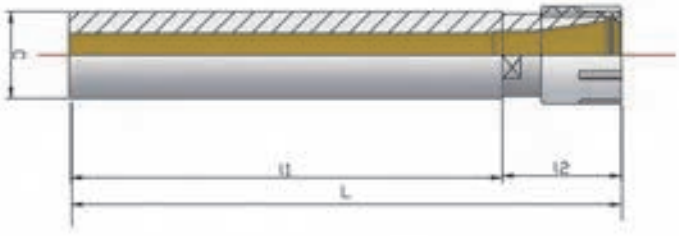






Straight Shank Collet Chuck 直柄延长杆(M型压帽)

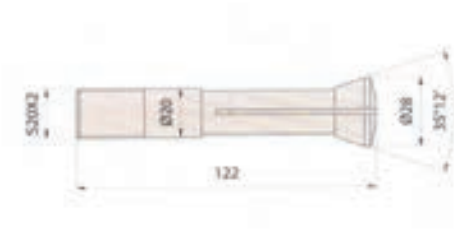




Order No.	Model	C	l1	Wt(kg)
661008M100	C10-ER8M-100	10	100	0.07
661211M100	C12-ER11M-100	12	100	0.16
661611M100	C16-ER11M-100	16	100	0.18
661616M100	C16-ER16M-100	16	100	0.19
662016M100	C20-ER16M-100	20	100	0.26
662020M100	C20-ER20M-100	20	100	0.32

SHARPENER COLLETS 磨刀机夹头





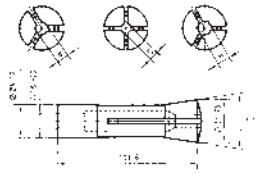
规格Type	公制metric(mm)	英制inch	重量KGS
CL-SM	X3-X5	1/8-3/16	0.15
CL-SM	X6-X16	1/4-5/8	0.15
CL-SM	点数规格		0.15

R8 弹簧夹头 R8 COLLETS

1、材料： 65Mn
2、硬度： 夹持HRC55~60弹性区HRC40~45
3、适用于主轴锥孔为R8的各种铣床，如X6325、X5325等

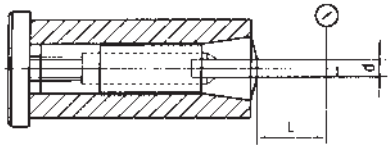
1、Material: 65Mn
2、Hardness: clamping part HRC55~60elastic part HRC40~45
3、This unit is applicable to all sorts of milling machines, which spindle taper hole is R8,such as X6325、X5325 etc.





订单号Order No.	型式 Type	夹持范围 Clamping range		重量 Wt（kg）
		mm	In	
R8-01-d	圆孔 Round	1-20	1/16-7/8	0.24
R8-02-S	四方孔 Square	3-13	1/8-1/2	0.24
R8-03-H	六方孔 Hex	3-16	1/8-5/8	0.24

精度检测 Inspection of Accuracy



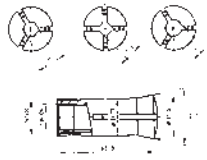
d		L	径向跳动 Run out	
mm	in	mm	in	mm
1-1.6	1/32-1/16	6.35	0.0005	0.013
>1.6-3	>1/16-1/8	12.7	0.0005	0.013
>3-10	>1/8-3/8	25.4	0.0005	0.013
>10-16	>3/8-5/8	38.1	0.0005	0.013
>16-20	>5/8-7/8	50.8	0.0005	0.013

5C 弹簧夹头 5C COLLETS

1、材料： 65Mn
2、硬度： 夹持持HRC55-60 弹性区HRC40-45
3、适用于主轴锥孔为5C的各种车床，如自动车床、数控车床等

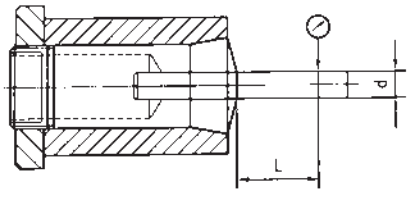
1、Materila: 65Mn
2、Hardness: clamping part HRC55-60 elastic part HRC40-45
3、This unit is applicable to all sorts of lathes,which spindle taper hole is 5C,such as automatic lathes, CNC lathes etc.





订单号Order No.	型式 Type	夹持范围 Clamping range		重量 Wt（kg）
		mm	In	
5C-01-d	圆孔 Round	1-28	1/32-1-1/8	0.24
5C-02-S	四方孔 Square	3-19	1/8-3/4	0.24
5C-03-H	六方孔 Hex	3-22	1/8-7/8	0.24

精度检测 Inspection of Accuracy



d		L	径向跳动 Run out	
mm	in	mm	in	mm
1-1.6	1/32-1/16	6.35	0.0005	0.013
>1.6-3	>1/16-1/8	12.7		
>3-10	>1/8-3/8	25.4		
>10-16	>3/8-5/8	38.1		
>16-20	>5/8-7/8	50.8		

ER8, ER11, ER16, ER20, ER25, ER32, ER40

ER筒夹 / ER COLLET

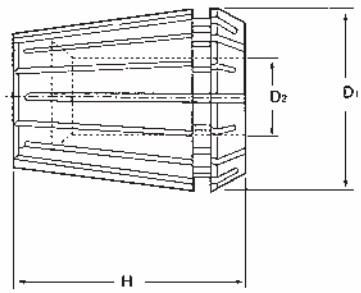
Collet must be assembled into the clamping nut before inserting into the chuck

■Dimensions:









(Unit: mm)

Model No.	D1	H	D2
ER11	11.5	18	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7
ER16	17	27	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ER20	21	31	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
ER25	26	35	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16
ER32	33	40	3, 4,5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
ER40	41	46	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26

Model No.	D1	H	D2
ER11	11.5	18	1/32,1/16,3/32,1/8,3/16,7/32,1/4
ER16	17	27	1/32,1/16,3/32,1/8,3/16,7/32,1/4,5/16,11/32,3/8
ER20	21	31	1/16,3/32,1/8,3/16,7/32,1/4,5/16,11/32,3/8,13/32,7/16,1/2
ER25	26	35	1/16,3/32,1/8,3/16,7/32,1/4,5/16,11/32,3/8,13/32,7/16,1/2,17/32,9/16,5/8
ER32	33	40	3/32,1/8,3/16,7/32,1/4,5/16,11/32,3/8,13/32,7/16,1/2,17/32,9/16,5/8,21/32,11/16,3/4,25/32
ER40	41	46	1/8,3/16,7/32,1/4,5/16,11/32,3/8,13/32,7/16,1/2,17/32,9/16,5/8,21/32,11/16,3/4,25/32, 13/16,27/32,7/8,15/16,31/32,1

• Ordering Instructions:ER16(2)=Collet ER16 with Clamping Capacity 2mm-1mm.

(Unit: mm)

ER11		ER16		ER20		ER25		ER32		ER40	
SET.	13PCS	SET.	10PCS	SET.	12PCS	SET.	15PCS	SET.	18PCS	SET.	23PCS
NO.	RANGE mm	NO.	RANGE mm	NO.	RANGE mm	NO.	RANGE mm	NO.	RANGE mm	NO.	RANGE mm
ER11-1	1.0-0.5	ER16-1	1.0-0.5	ER20-2	2.0-1.0	ER25-2	2.0-1.0	ER32-3	3.0-2.0	ER40-4	4.0-3.0
ER11-1.5	1.5-1.0	ER16-2	2.0-1.0	ER20-3	3.0-2.0	ER25-3	3.0-2.0	ER32-4	4.0-3.0	ER40-5	5.0-4.0
ER11-2	2.0-1.5	ER16-3	3.0-2.0	ER20-4	4.0-3.0	ER25-4	4.0-3.0	ER32-5	5.0-4.0	ER40-6	6.0-5.0
ER11-2.5	2.5-2.0	ER16-4	4.0-3.0	ER20-5	5.0-4.0	ER25-5	5.0-4.0	ER32-6	6.0-5.0	ER40-7	7.0-6.0
ER11-3	3.0-2.5	ER16-5	5.0-4.0	ER20-6	6.0-5.0	ER25-6	6.0-5.0	ER32-7	7.0-6.0	ER40-8	8.0-7.0
ER11-3.5	3.5-3.0	ER16-6	6.0-5.0	ER20-7	7.0-6.0	ER25-7	7.0-6.0	ER32-8	8.0-7.0	ER40-9	9.0-8.0
ER11-4	4.0-3.5	ER16-7	7.0-6.0	ER20-8	8.0-7.0	ER25-8	8.0-7.0	ER32-9	9.0-8.0	ER40-10	10-9.0
ER11-4.5	4.5-4.0	ER16-8	8.0-7.0	ER20-9	9.0-8.0	ER25-9	9.0-8.0	ER32-10	10-9.0	ER40-11	11-10
ER11-5	5.0-4.5	ER16-9	9.0-8.0	ER20-10	10-9.0	ER25-10	10-9.0	ER32-11	11-10	ER40-12	12-11
ER11-5.5	5.5-5.0	ER16-10	10-9.0	ER20-11	11-10	ER25-11	11-10	ER32-12	12-11	ER40-13	13-12
ER11-6	6.0-5.5			ER20-12	12-11	ER25-12	12-11	ER32-13	13-12	ER40-14	14-13
ER11-6.5	6.5-6.0			ER20-13	13-12	ER25-13	13-12	ER32-14	14-13	ER40-15	15-14
ER11-7	7.0-6.5					ER25-14	14-13	ER32-15	15-14	ER40-16	16-15
						ER25-15	15-14	ER32-16	16-15	ER40-17	17-16
						ER25-16	16-15	ER32-17	17-16	ER40-18	18-17
								ER32-18	18-17	ER40-19	19-18
								ER32-19	19-18	ER40-20	20-19
								ER32-20	20-19	ER40-21	21-20
										ER40-22	22-21
										ER40-23	23-22
										ER40-24	24-23
										ER40-25	25-24
										ER40-26	26-25

ER Collet Set　　ER 筒夹套装　　DIN 6499B



Model No.	SET	SPEC
ER11COLLET	7PCS	1,2,3,4,5,6,7
ER11COLLET	13PCS	1,1.5,2,2.5,3,3.5,4,4.5,5,5.5,6,6.5,7

Model No.	SET	SPEC
ER16COLLET	8PCS	3,4,5,6,7,8,9,10
ER16COLLET	10PCS	1,2,3,4,5,6,7,8,9,10



Model No.	SET	SPEC
ER20COLLET	10PCS	4,5,6,7,8,9,10,11,12,13
ER20COLLET	12PCS	2,3,4,5,6,7,8,9,10,11,12,13

Model No.	SET	SPEC
ER25COLLET	7PCS	4,6,8,10,12,14,16
ER25COLLET	15PCS	2,3,4,5,6,7,8,9,10,11,12,13,14,15,16



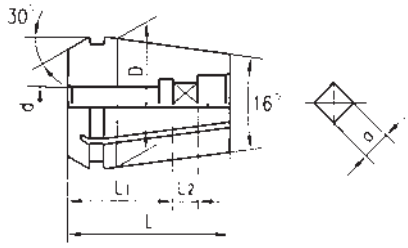
Model No.	SET	SPEC
ER32COLLET	6PCS	6,8,10,12,16,20
ER32COLLET	11PCS	4,5,6,8,10,12,13,15,16,18,20
ER32COLLET	18PCS	3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20



Model No.	SET	SPEC
ER40COLLET	7PCS	6,8,10,12,16,20,25
ER40COLLET	15PCS	4,5,6,8,10,12,13,15,16,18,20,21,22,25,26
ER40COLLET	23PCS	4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26

ERG型攻丝夹头 TAPPING COLLET



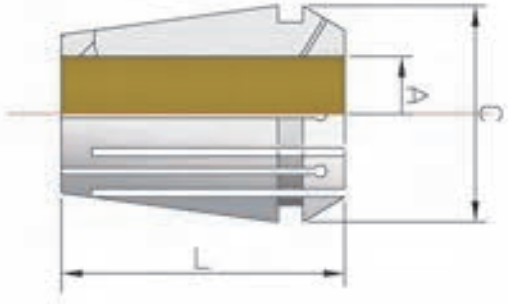


订单号 Order No.	ER16G-d	ER20G-d	ER25G-d	ER32G-d	ER40G-d
D	16	20	25	32	40
L	27.5	31.5	34	40	46
d	3.5-8	3.5-10	3.5-16	3.5-20	3.5-25

dxa	3.5×2.7	4.0×3.0	4.5×3.4	5.5×4.3	6.0×4.9	7.0×5.5
	8.0×6.2	9.0×7.0	10×8.0	11×9.0	12×9.0	14×11
	16×12	18×14.5	20×16	22×18	25×20	

ER Sealed Collet ER 止水筒夹 DIN 6499



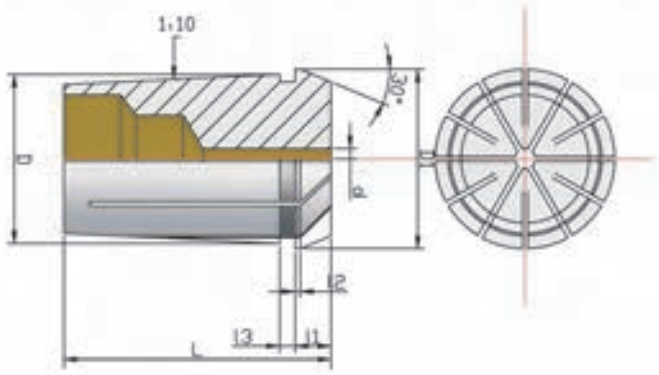


Model	C	L	Clamping Range	Wt(kg)
ERS16	17	27.5	3-10	0.03
ERS20	21	31.5	3-13	0.04
ERS25	26	34	3-16	0.06
ERS32	33	40	3-20	0.1
ERS40	41	46	3-26	0.25

Order Example: CERS1606
CERS3210

EOC Collet　EOC 铣 夹 头　DIN 6388B





Model	d	D	D1	L	L1	L2	L3
EOC 16B	2-16	22.65	25.5	40	5.5	1.2	9.5
EOC 20B	2-20	27.4	29.8	45	6	1.35	10
EOC 25B	2-25	32.9	35.05	52	6	1.4	10
EOC 32B	4-32	41.3	43.7	60	6	1.45	11
EOC 40B	6-40	49.7	52.2	68	6	1.45	12
EOC 50B	8-50	61.1	63.8	80	7	1.55	13

Order Example: CE0606B
CE3210B

EOC Collet Set　EOC 铣 夹 头　DIN 6388B



OZ25	7PCS: 1/4",5/16",3/8",1/2",5/8",314",1"	SET
	15PCS: 1/8",3/16",1/4",5/16",3/8",7/16",1/2",9/16" 5/8",11/16",3/4",13/16",7/8",15/16",1"	SET

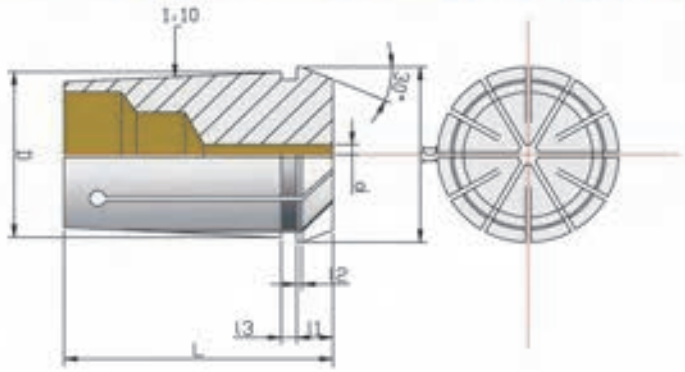
OZ25	7PCS: 6,8,10,12,16,20,25	SET
	15PCS: 3,4,5,6,7,8,10,11,12,13,16,18,20,25	SET

OZ32	10PCS: 1/4",5/16",3/8",1/2",5/8",3/4",7/8",1",1-1/8",1-1/4"	SET
	15PCS: 1/4",5/16",3/8",7/16",1/2",9/16",5/8",11/16",3/4" 13/16",7/8",15/16",1",1-1/8",1-1/4"	SET

OZ32	8PCS: 6,8,10,12,16,20,25,32	SET
	15PCS: 6,8,10,12,13,14,15,16,18,20,22,25,26,30,32	SET

EOC Collet　EOC 铣 夹 头　DIN 6388A

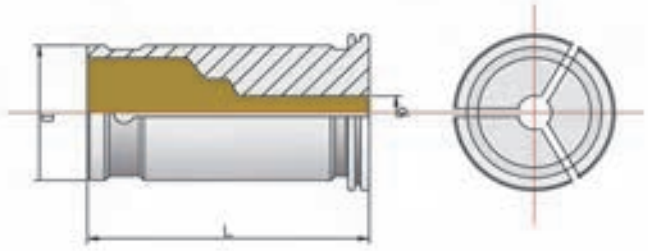




Model	d	D	D1	L	L1	L2	L3
EOC 6A	1-6	10	11.5	21	3.5	0.5	4
EOC 8A	1-8	12.65	14.5	26	4	0.8	4.5
EOC 10A	1-10	15.15	17.2	30	4.5	0.8	4.5
EOC 12A	1-12	17.75	19.8	34	5	1.1	4.5
EOC 16A	2-16	22.65	25.5	40	5.5	1.2	5.5
EOC 20A	2-20	27.4	29.8	45	6	1.35	6
EOC 25A	2-25	32.9	35.05	52	6	1.4	6
EOC 32A	4-32	41.3	43.7	60	6	1.45	7
EOC 40A	6-40	49.7	52.2	68	6	1.45	8
EOC 50A	8-50	61.1	63.8	80	7	1.55	9

Straight Shank Collet　直 柄 筒 夹

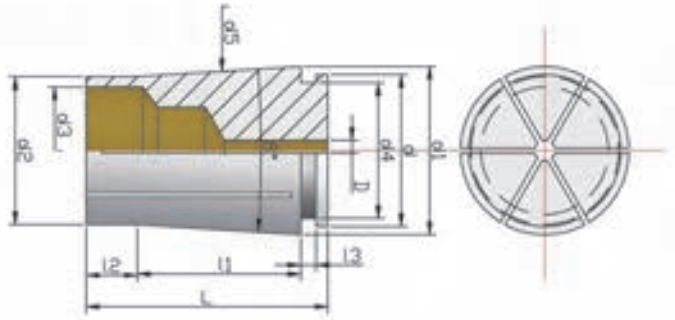




Model	D	d	L
SC16	16	3,4,5,6,8,10,12	45
SC20	20	3,4,5,6,8,10,12,14,16	50
SC22	22	3,4,5,6,8,10,12,14,16	50
SC25	25	3,4,5,6,8,10,12,14,16,18,20	60
SC32	32	3,4,5,6,8,10,12,14,16,18,20,25	65
SC40	40	6,8,10,12,14,16,18,20,25,28,30,32	80
SC42	42	3,4,5,6,8,10,12,14,16,18,20,22,24,25,28,30,32	80

Slim Chuck Collet SK 高速弹簧筒夹



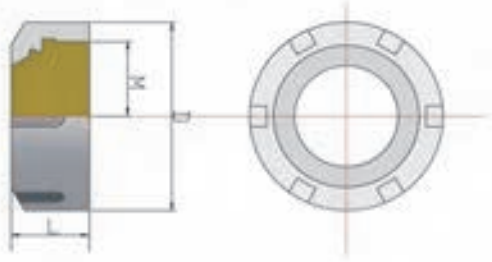


Model	L	l1	l2	l3	d	d1	d2	d3	d4	d5
SK06	25.7	17.5	4	2.4	9.26	10.5	7.5	6	7.8	9.964
SK10	32	22	5	2.5	13.7	15.6	12	10	12	15.013
SK16	46	32	8	2.8	21	24.6	18.8	16	19	23.939
SK25	58	43	8.5	3.6	31	35.6	28.9	25.5	28.2	35.029

Model	D	Collapsible Capacity
SK6	2,2.5,3	0.25
SK6	3.5,4,4.5,5,5.5,6	0.5
SK10	2,2.5,3	0.25
SK10	3.175	0.475
SK10	3.5,4,4.5,5,5.5,6,6.5,7,7.5,8,8.5,9,9.5,10	0.5
SK16	3	0.25
SK16	3.175	0.475
SK16	3.5,4,4.5,5,5.5,6,6.5,7,7.5,8,8.5,9,9.5,10,10.5,11,11.5,12,12.5,13, 13.5,14,14.5,15,15.5,16	0.5
SK25	6,8,10,12,14,16,16.5,17,17.5,18,18.5,19,19.5,20, 20.5,21,21.5,22, 22.5,23,23.5,24,24.5,25	0.5

ER Clamping Nut　ER 压 帽　DIN 6499

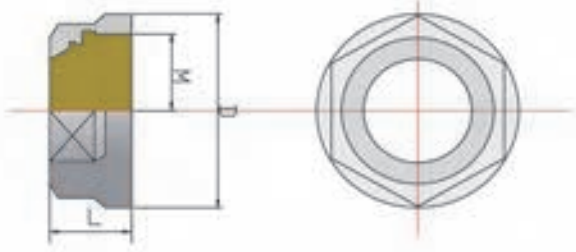




UM/T2

Order No	Model	D(mm)	d1(mm)	L(mm)	T	Wt(kg)
NER16UM	ER16-UM	32	26	17	M22X1.5	0.05
NER20UM	ER20-UM	35	29	19	M25X1.5	0.1
NER25UM	ER25-UM	42	36	20	M32X1.5	0.14
NER32UM	ER32-UM	50	44	22.5	M40X1.5	0.2
NER40UM	ER40-UM	63	57	25.5	M50X1.5	0.3
NER50UM	ER50-UM	78	71	35.5	M64X2	0.5

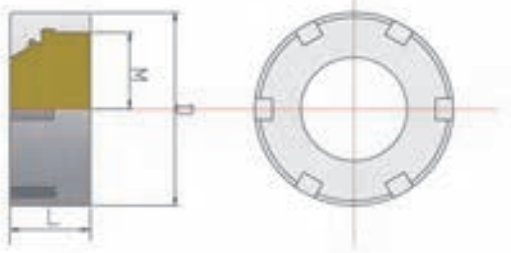




A/Hex

Order No	Model	D(mm)	d1(mm)	L(mm)	T	Wt(kg)
NER11A	ER11-A	19	17	11.3	M14X0.75	0.005
NER16A	ER16-A	28	25	17.5	M22X1.5	0.01
NER20A	ER20-A	34	30	19	M25X1.5	0.05



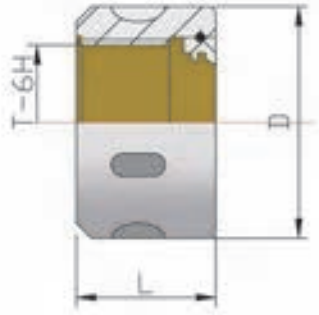


Mini

Order No	Model	D(mm)	d1(mm)	L(mm)	T	Wt(kg)
NER08M	ER8-M	12	10	10	M10X0.75	0.005
NER11M	ER11-M	16	12	12	M13X0.75	0.01
NER16M	ER16-M	22	17.2	18	M19X1	0.05
NER20M	ER20-M	28	22.5	19	M24X1	0.05
NER25M	ER25-M	35	28.6	20	M30X1	0.08

EOC Clamping Nut　　EOC 压帽　　DIN 6388

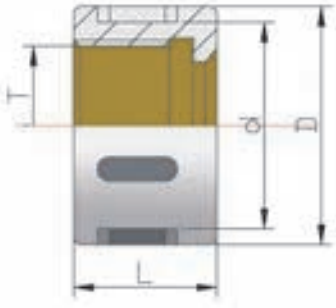




Order No.	Model	D(mm)	L(mm)	T
NEOC06	EOC6	18	14	M14X1
NEOC08	EOC8	26	19	M20X1.5
NEOC10	EOC10	30	19	M22X1.5
NEOC12	EOC12	35	20	M27X1.5
NEOC16	EOC16	43	24	M33X1.5
NEOC20	EOC20	50	28	M42X2
NEOC25	EOC25	60	30	M48X2
NEOC32	EOC32	72	33.5	M60X2.5
NEOC40	EOC40	85	37	M68X2.5
NEOC50	EOC50	100	43	M80X2.5

SK Nut　　SK 压帽



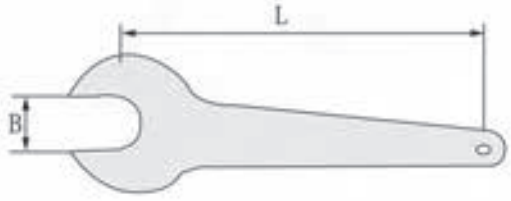


Order No.	Model	d	D	L	T
NSK06	SK06	18.1	20	15	M15.5X1
NSK10	SK10	25.4	28	17	M21.5X1
NSK16	SK16	35	40	24	M32X1.5
NSK20	SK20	43	48	27	M40X1.5
NSK25	SK25	50	55	30	M45X1.5

ER Spanner　　ER 扳手

A

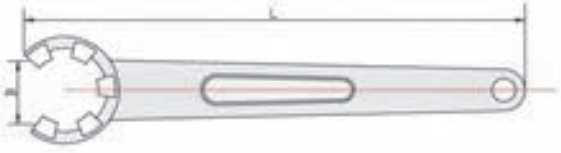




Order No.	Model	B	L	Clamping Nut
WER11A	ER11-A	17	110	ER11-A
WER16A	ER16-A	25	120	ER16-A
WER20A	ER20-A	30	130	ER20-A

Mini





Order No.	Model	B	L	Clamping Nut
WER08M	ER8-M	7.5	70	ER8-M
WER11M	ER11-M	11	90	ER11-M
WER16M	ER16-M	15	110	ER16-M
WER20M	ER20-M	19.5	120	ER20-M
WER25M	ER25-M	25	130	ER25-M

UM





Order No.	Model	B	L	Clamping Nut
WER16UM	ER16-UM	26	180	ER16-UM
WER20UM	ER20-UM	30	190	ER20-UM
WER25UM	ER25-UM	37	210	ER25-UM
WER32UM	ER32-UM	46.5	250	ER32-UM
WER40UM	ER40-UM	58	290	ER40-UM
WER50UM	ER50-UM	74	350	ER50-UM

Hook Spanner Wrench 勾头扳手 DIN 1810



ER

Order No.	Model	B	Size	Clamping Nut
WER25C	ER25-C	168	38-42	ER25-UM
WER32C	ER32-C	190	45-52	ER32-UM
WER40C	ER40-C	210	55-63	ER40-UM
WER50C	ER50-C	240	78-85	ER50-UM

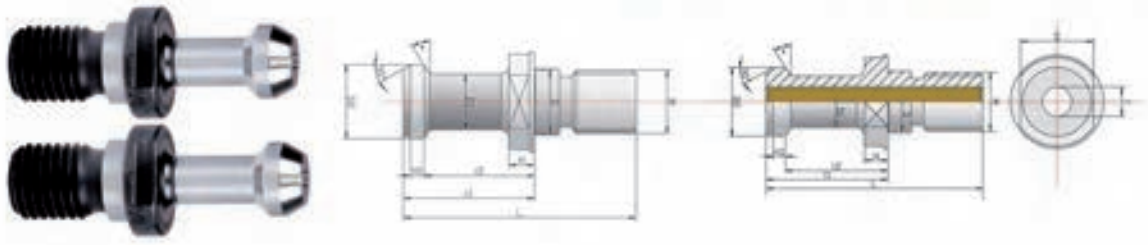
EOC

Order No.	Model	L(mm)	Dia of Nut(mm)
WEOC06	EOC06	90	18-21
WEOC08	EOC08	125	22-26
WEOC10	EOC10	140	28-32
WEOC12	EOC12	154	34-36
WEOC16	EOC16	168	38-42
WEOC20	EOC20	190	45-52
WEOC25	EOC25	210	55-62
WEOC32	EOC32	230	68-72
WEOC40	EOC40	240	78-85
WEOC50	EOC50	250	100-110

SC

Order No.	Model	L(mm)	Dia of Nut(mm)
WC20	SC20	55-62	214
WC22	SC22	55-62	214
WC25	SC25	55-62	214
WC32	SC32	68-72	235
WC42	SC42	78-85	261

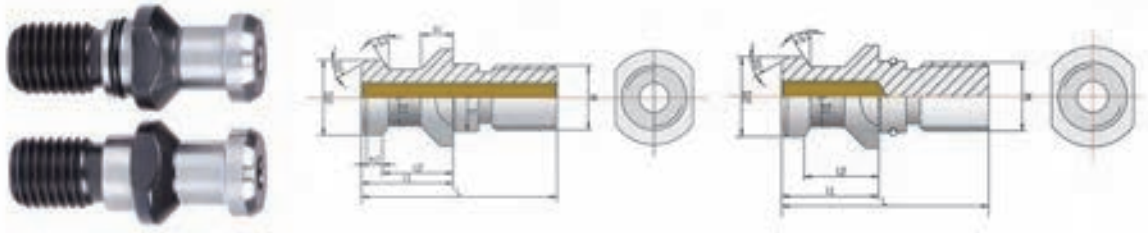
BT Pull Stud　BT 拉钉　MAS403-1982



Model	D	D1	D2	M	L	L1	L2	H	H1	Ø
BT30	12.5	7	11	M12	43	23	18	5	2.5	30° 45° 60° 90°
BT40	17	10	15	M16	60	35	28	6	3	
BT50	25	17	23	M24	85	45	35	10	5	

Order Example: PBT3045
PBT4060
For Collant Type: PBT4045C

SK Pull Stud　SK 拉钉　DIN69872

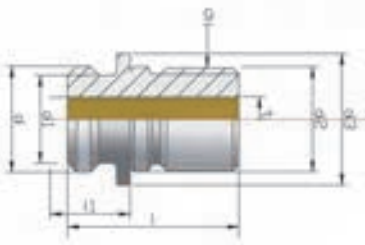


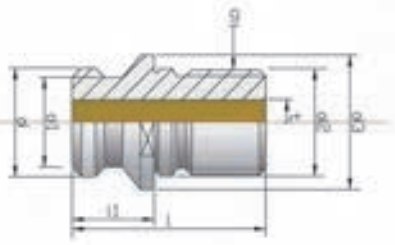
Order No	Model	D	D1	D2	M	L	L1	L2
PSK30A/B	SK-30A(B)	13	9	13	M12	44	24	19
PSK40A/B	SK-40A(B)	17	14	19	M16	54	26	20
PSK50A/B	SK-50A(B)	25	21	28	M24	74	34	25

Order Example: PSK40A
PSK50B

ISO7388 Pull Stud　　ISO7388 拉钉　　ISO7388





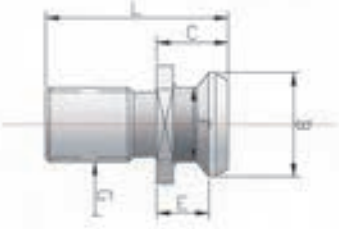


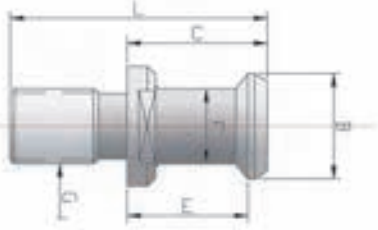
Order No	Model	d3	d2	d1	d	g	l	t
P738840A	DIN7388-40A	23	17	14	19	M16	54	7.5
P738850A	DIN7388-50A	36	25	21	28	M24	74	11.5

Order No	Model	d3	d2	d1	d	g	l	t
P738840B	DIN7388-40B	22.5	17	12.9	18.9	M16	44.5	7.5
P738850B	DIN7388-50B	36	25	19.6	29.1	M24	65.5	11.5

CAT Pull Stud　　CAT 美标拉钉



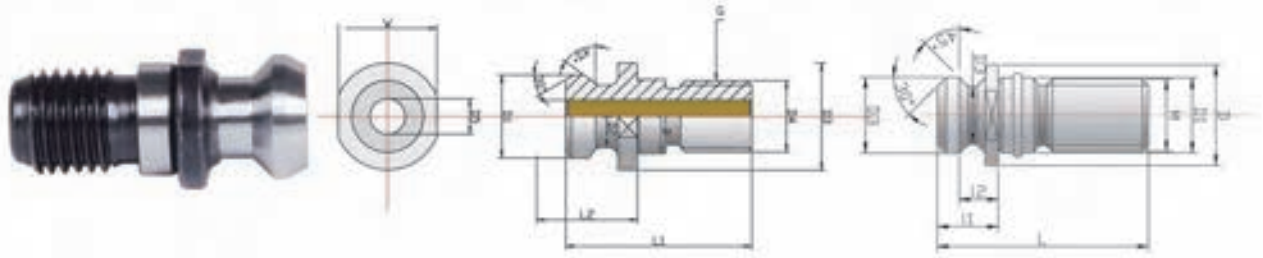




Model	Type	G	θ	L	B	C	E	F
CAT40-A	A	5/8"-11	45	1.5	0.74	0.64	0.44	0.49
CAT50-A	A	1"-8	45	2.3	1.14	1	0.7	0.82
CAT40-B	B	5/8"-11	45/60/90	2.13	0.59	1.27	0.99	0.393
CAT50-B	B	1"-8	45/60/90	3.07	0.906	1.772	1.378	0.669

Order Example: PCAT4045A
PCAT4060B

Mazak Pull Stud 马扎克拉钉



BT

Order No	Model	L1	L2	D1	D2	D3	D4	D5	W	G
PBTM40	Marzak-BT40	44.1	19.1	18.8	12.45	22	17	7	19	M16
PBTM50	Marzak-BT50	65.2	25.2	29	20.83	36	25	10	30	M24

CAT

Order No	Model	D	D1	D2	D3	L	L1	L2	M
PCATM40	Marzak-CAT40	22	17	18.79	12.5	41.25	16.25	11.17	M16
PCATM50	Marzak-CAT50	35.6	25	28.95	20.82	65.4	25.4	17.78	M24

MTB Pull Stud MTB 加长拉钉

BT

Model	MT.No.	G	DEG
MTB4	4	M16X2.0P	30/45/60/90
MTB5	5	M20X2.5P	30/45/60/90

SK

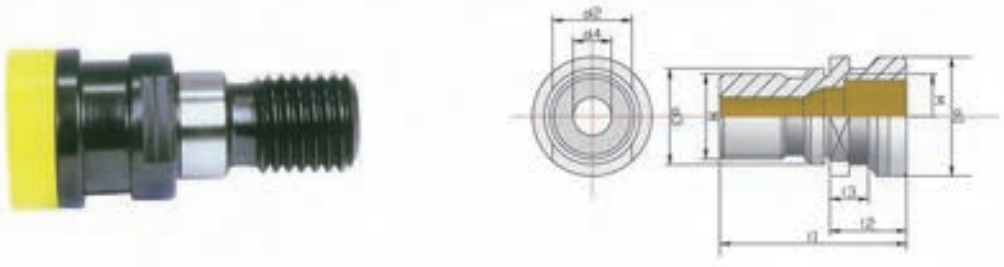
Model	MT.No.	G
MTB4	4	M16X2.0P
MTB5	5	M20X2.5P

Order Example:

PBT4045L

PBT4060L PSK40AL

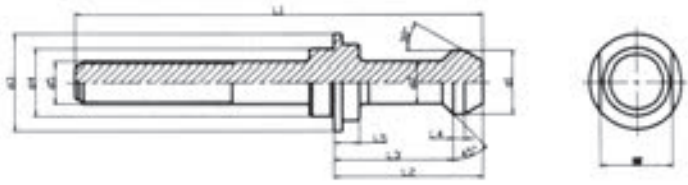
NT Pull Stud NT 拉杆



Order No	Model	M	d1	d2	d3	d4	l3	l2	l1
PNT40	NT40	M16	25	21.2	17	7	13.6	25.1	53
PNT50	NT50	M24	39.6	32	25	7	13.3	25.1	65.1

CD09-0006无扁尾莫氏圆锥孔刀柄加长拉钉





MAS 403-1975

型号Modei No	d1	d2	d3	d4	d5	L1	L2	L3	L4	L5	SW	KGS
BT40-45 °	15	10	23	17	M10	115	35	28	2.7	6	19	0.14
BT40-45 °					M12							
BT40-45 °					M14							
BT40-45 °					M16							
BT40-60 °					M12							
BT40-60 °					M16							
BT50-45 °	23	17	38	25	M20	170	45	35	2	10	30	0.42

JIS B6339

型号Modei No	d1	d2	d3	d4	d5	d6	L1	L2	L3	L4	L5	SW	KGS
40P-110	19	14	23	17	M12	-	110	29	23	3	7	19	0.15
40P-115					M16		115						

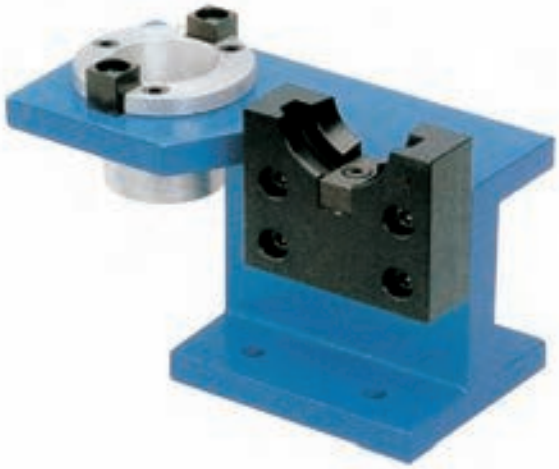
ISO7388/2A

型号Modei No	d1	d2	d3	d4	d5	d6	L1	L2	L3	L4	L5	SW	KGS
LDA40-110	19	14	23	17	M12	-	110	25	20	4	4	19	0.15
LDA40-116					M16		116						

ISO7388/2B

型号Modei No	d1	d2	d3	d4	d5	d6	L1	L2	L3	L4	L5	SW	KGS
LDB40-110	18.95	12.95	23	17	M12	-	100	16.4	11.5	1.75	3.25	19	0.15
KDB40-116					M16		106						

立卧两用锁刀座 / TOOL LOCKING DEVICE



(Unit: mm)

Model No.	Shank type	
100-000	BT30	--
100-001	BT40	MAS
100-003	BT50	--
100-001	SK30	--
100-001	SK40	DIN 69871A
100-003	SK50	

(Unit: mm)

Model No.	type No.
100-000	CAT30
100-001	CAT40
100-003	CAT50

莫氏变径套 / MORSE TAPER SLEEVE

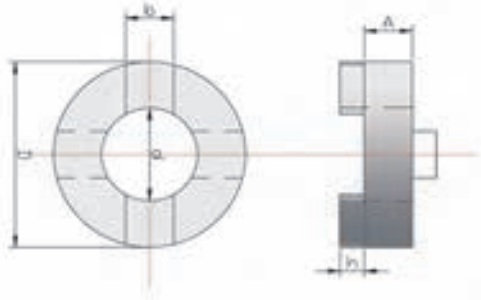


Model No.
MTA3-MTA1
MTA3-MTA2
MTA4-MTA1
MTA4-MTA2
MTA4-MTA3

Model No.
MTA5-MTA1
MTA5-MTA2
MTA5-MTA3
MTA5-MTA4
--

Clutch Drive Ring 驱 动 环 DIN 6366

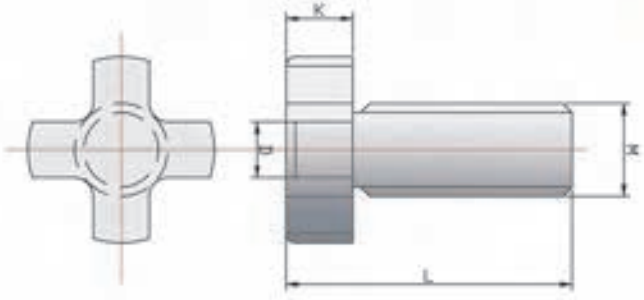




Order No.	d	D	A	b	h
CDR16	16	32	10	8	5.0
CDR22	22	40	12	10	5.6
CDR27	27	46	12	12	6.3
CDR32	32	55	14	14	7.0
CDR40	40	68	14	16	8.0

Retaining Screw 压紧螺栓 DIN 6357





Metric

Order No.	Size	M	D	K	L
RS16	16	M8x1.25	20	6	16
RS22	22	M10x1.50	28	7	18
RS27	27	M12x1.75	35	8	22
RS32	32	M16x2.00	42	9	26
RS40	40	M20x2.50	52	10	30
RS50	50	M24x3.00	63	12	36
RS60	60	M30x3.50	75	14	45

Inch

Order No.	Size	M	D	K	L
RS1/2"	1/2"	1/4"-28UNF	0.66	0.34	0.66
RS3/4"	3/4"	3/8"-24UNF	0.88	0.38	0.68
RS1"	1"	1/2"-20UNF	1.19	0.38	0.81
RS1-1/4"	1-1/4"	5/8"-18UNF	1.50	0.50	1.04
RS1-1/2"	1-1/2"	3/4"-16UNF	1.88	0.50	1.02
RS2"	2"	1"-14UNF	2.50	0.50	1.04

For Face Mill Holder and Combi Shell Mill Holder 用于面铣刀柄和复合式铣刀柄

TOOL HOLDER SLEEVE 刀库导套



高精度刀库导 精度有0.01mm、0.015mm两类，由合金钢制造，用于数控车加工中心（转塔）刀架夹持刀具

1.材料：40CrMo。

2.热处理硬度：HRC 50～55。

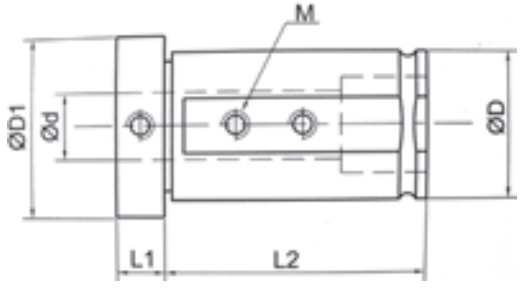


FIG 1

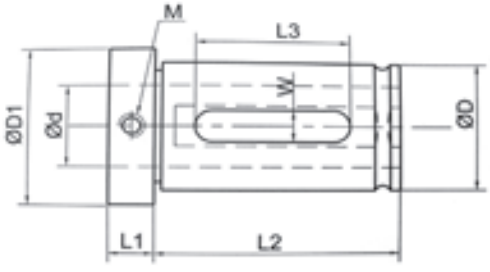
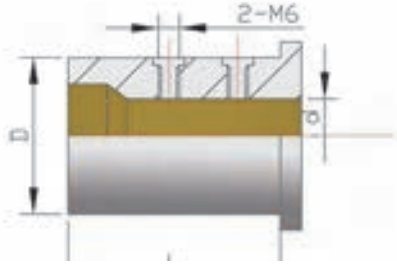


FIG 2

D	d	D1	L1	L2(加长)	L3(加长)	W(加宽)	M	Fig.
40	8,10,12,16,20	46.5	15	80(85)			M8	1
	25,32	46.5	15	80(85)	65(70)	12(14)		2
32	8,10,12,16	39	14	70(75)			M8	1
	20,25	39	14	70(75)	58(60)	10(12)		2
25	8,10,12	33	14	50			M8	1
	16	33	14	50	42	10		2
20	8,10	28	12	50			M6	1
	12	28	12	50	42	8		2
16	8	24	10	40			M4	1
	10	24	10	40	34	6		2

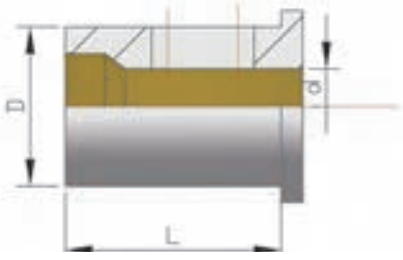
Reduction Sleeve for Boring Bar Holder 镗刀减径套





Order No.	Model	d	D	L
SL2506	25-06	6	25	46
SL2508	25-08	8	25	46
SL2510	25-10	10	25	46
SL2512	25-12	12	25	46
SL3206	32-06	6	32	56
SL3208	32-08	8	32	56
SL3210	32-10	10	32	56
SL3212	32-12	12	32	56
SL4006	40-06	6	40	71
SL4008	40-08	8	40	71
SL4010	40-10	10	40	71
SL4012	40-12	12	40	71

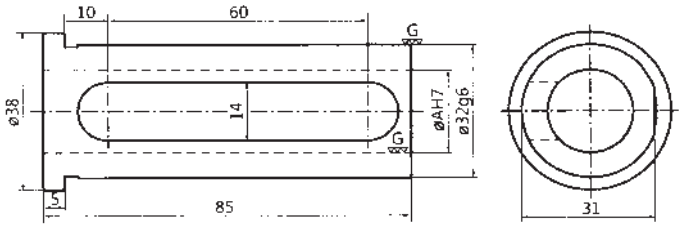




Order No.	Model	d	D	L
SL2516	25-16	16	25	46
SL2520	25-20	20	25	46
SL3216	32-16	16	32	56
SL3220	32-20	20	32	56
SL3225	32-25	25	32	56
SL4016	40-16	16	40	71
SL4020	40-20	20	40	71
SL4025	40-25	25	40	71
SL4032	40-32	32	40	71

Φ32 G/H TYPE



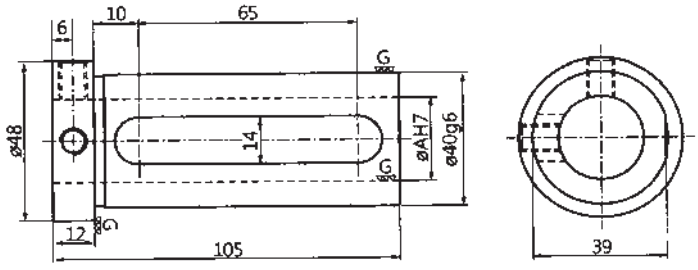


※DIMENSION

Model	ΦA	Remark
YHF 3216G-L085	16	Φ14 G/H
YHF 3216G-L085	20	Φ14 G/H
YHF 3216G-L085	25	Φ14 G/H

Φ40 G/H TYPE (L100)



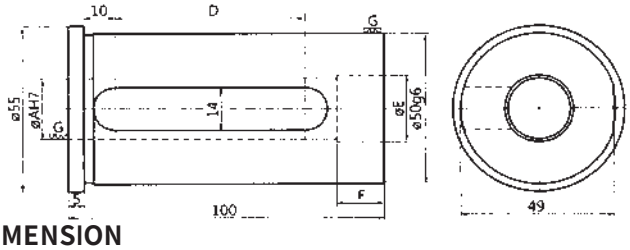


※DIMENSION

Model	ΦA	Remark
YHF 4020G/L105	20	Φ14 G/H
YHF 4025G/L105	25	Φ14 G/H
YHF 4032G/L105	32	Φ14 G/H

Φ50 G/H TYPE (L100)



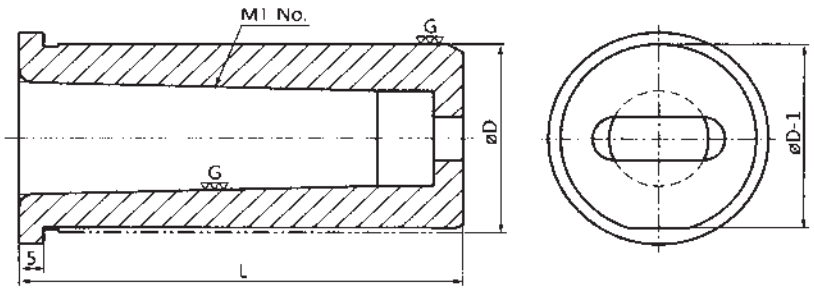


※DIMENSION

Model	ΦA	D	ΦE	F	Remark
YHF 5016G-100	16	74	18	25	Φ14 G/H
YHF 5016G-100	20	74	-	-	Φ14 G/H
YHF 5016G-100	25	74	-	-	Φ14 G/H
YHF 5016G-100	32	74	-	-	Φ14 G/H
YHF 5016G-100	40	74	-	-	Φ14 G/H

MT SOCKET (Morse Taper)





※DIMENSION

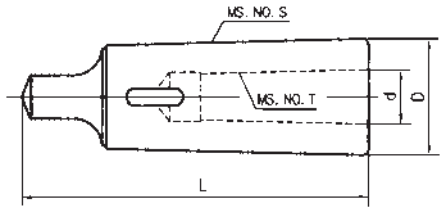
Model	MT NO.	ΦD	L	Remark
YHM 25-1	MT#1	25	61	MT#
YHM 25-2	MT#2	25	73	MT#
YHM 32-1	MT#1	32	61	MT#
YHM 32-2	MT#2	32	73	MT#
YHM 32-3	MT#3	32	90	MT#
YHM 40-1	MT#1	40	73	MT#
YHM 40-2	MT#2	40	73	MT#
YHM 40-3	MT#3	40	87	MT#
YHM 40-4	MT#4	40	115	MT#
YHM 50-1	MT#1	50	100	MT#
YHM 50-2	MT#2	50	100	MT#
YHM 50-3	MT#3	50	100	MT#
YHM 50-4	MT#4	50	115	MT#

※DIMENSION

Model	MT NO.	ΦD	L	Remark
YHM 60-1	MT#1	60	115	MT#
YHM 60-2	MT#2	60	115	MT#
YHM 60-3	MT#3	60	115	MT#
YHM 60-4	MT#4	60	115	MT#
YHM 60-5	MT#5	60	140	MT#
YHM 60-1	MT#1	63	115	MT#
YHM 60-2	MT#2	63	115	MT#
YHM 60-3	MT#3	63	115	MT#
YHM 60-4	MT#4	63	115	MT#
YHM 60-5	MT#5	63	140	MT#
YHM 80-1	MT#1	80	125	MT#
YHM 80-2	MT#2	80	125	MT#
YHM 80-3	MT#3	80	125	MT#
YHM 80-4	MT#4	80	125	MT#
YHM 80-5	MT#5	80	140	MT#

DIN2185 莫氏变径套 MORSE TAPER SLEEVES

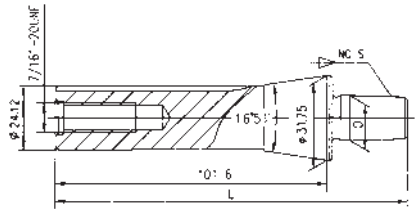




订单号 Order No.	MS.NO.S	MS.NO.T	D(mm)	d(mm)	L(mm)	重量Wt (kg)	精度 Accuracy(mm)
B1-0	1	0	13	9.045	80	0.10	0.015
B2-1	2	1	18.6	12.065	92	0.10	
B3-1	3		24.1		99	0.24	
B3-2		2	24.7	17.780	112	0.12	
B4-1	4	1	31.6	12.065	124	0.60	
B4-2		2		17.780		0.50	
B4-3		3	32.4	23.825	1450	0.38	
B5-1	5	1	44.7	12.065	156	1.59	0.020
B5-2		2		17.780		1.49	
B5-3		3		23.825		1.36	
B5-4		4	45.5	31.267	171	0.95	
B6-1	6	1	63.8	12.065	218	3.84	
B6-2		2		17.780		3.73	
B6-3		3		23.825		3.85	
B6-4		4		31.267		3.12	
B6-5		5		44.399		1.95	

R8 钻接杆 R8 DRILL CHUCK ARBORS

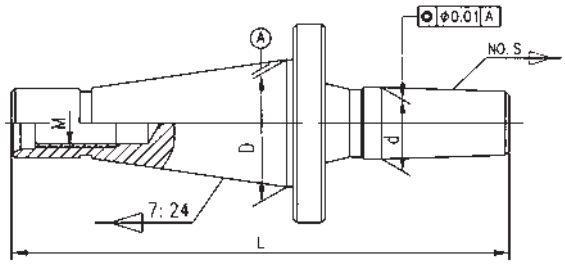




订单号 Order No. R8-NO.S	D(mm)	L(mm)	重量 Wt(kg)	订单号 Order No. R8-NO.S	D(mm)	L(mm)	重量 Wt(kg)
R8-J0	6.350	117	0.393	R8-J5	35.890	154	0.742
R8-J1	9.754	122	0.409	R8-N6	6.350	118.5	0.250
R8-J2S	13.940	125	0.400	R8-B10	10.094	124	0.386
R8-J2	14.199	128	0.414	R8-B12	12.065	128	0.408
R8-J33	15.850	132	0.418	R8-B16	15.733	135	0.440
R8-J6	17.170	132	0.426	R8-B18	17.780	143	0.454
R8-J3	20.599	137	0.465	R8-B22	21.793	152	0.514
R8-J4	28.550	148	0.600	R8-B24	23.825	162	0.567

7:24 钻接杆 7:24 DRILL CHUCK ARBORS

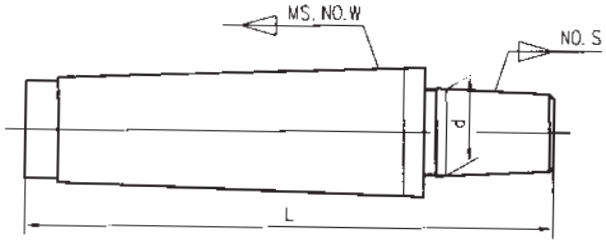




订单号 Order No. 7:24-NO.S	D mm	d mm	L mm	M	重量 Wt(kg)	订单号 Order No. 7:24-NO.S	D mm	d mm	L mm	M	重量 Wt(kg)
ISO30-J0		6.350	99		0.313	ISO50-J6		17.170	184		2.739
ISO30-J1		9.754	106		0.326	ISO50-J3	69.85	20.599	191	M24	2.777
ISO30-J2S		13.940	109		0.341	ISO50-J4		28.550	202		2.953
ISO30-J2		14.199	113		0.349	ISO50-J5		35.890	205		3.178
ISO30-J33	31.75	15.850	122	M12	0.377	ISO30-B10		10.094	104		0.325
ISO30-J6		17.170	122		0.388	ISO30-B12		12.065	108		0.330
ISO30-J3		20.599	123		0.426	ISO30-B16	31.75	15.733	116	M12	0.372
ISO30-J4		28.550	136		0.602	ISO30-B18		17.780	124		0.393
ISO30-J5		35.890	145		0.827	ISO30-B22		21.793	133		0.460
ISO40-J0		6.350	126		0.789	ISO30-B24		23.825	143		0.518
USI40-J1		9.754	133		0.797	ISO40-B10		10.094	132		0.801
ISO40-J2S		13.940	136		0.817	ISO40-B12		12.065	136		0.809
ISO40-J2		14.199	141		0.829	ISO40-B16	44.45	15.733	143	M16	0.848
ISO40-J33	44.45	15.850	145	M16	0.853	ISO40-B18		17.780	151		0.869
ISO40-J6		17.170	145		0.864	ISO40-B22		21.793	160		0.936
ISO40-J3		20.599	150		0.902	ISO40-B24		23.825	169		0.994
ISO40-J4		28.550	165		1.028	ISO50-B10		10.094	170		2.684
ISO40-J5		35.890	170		1.303	ISO50-B12		12.065	174		2.676
ISO50-J1		9.754	175		2.672	ISO50-B16	69.85	15.733	182	M24	2.723
ISO50-J2S	69.85	13.940	177	M24	2.692	ISO50-B18		17.780	195		2.744
ISO50-J2		14.199	180		2.704	ISO50-B22		21.793	200		2.811
ISO50-J33		15.850	184		2.728	ISO50-B24		23.825	215		2.869

后拉型莫氏钻接杆 MORSE TAPER DRILL CHUCK ARBORS WITH DRAW BAR

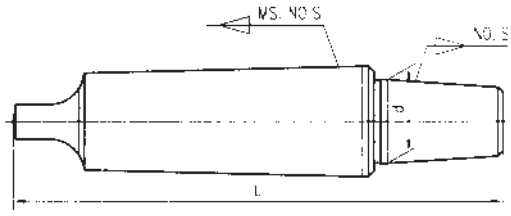




订单号 Order No. MS.NO.W-NO.S	d (mm)	L (mm)	订单号 Order No. MS.NO.W-NO.S	d (mm)	L (mm)	订单号 Order No. MS.NO.W-NO.S	d (mm)	L (mm)
MSOW-J0	6.350	67	MS2W-J6	17.170	97	MS4W-J33	15.850	137
MSOW-J1	9.754	72	MS2W-J33	15.850	97	MS4W-B10	10.094	130
MSOW-J2	14.199	78	MS2W-B10	10.094	90	MS4W-B12	12.065	134
MSOW-J3	20.599	87	MS2W-B12	12.065	94	MS4W-B16	15.733	141
MSOW-J6	17.170	81	MS2W-B16	15.733	101	MS4W-B18	17.780	149
MSOW-J33	15.850	81	MS2W-B18	17.780	109	MS4W-B22	21.793	158
MSOW-B10	10.094	74	MS2W-B22	21.793	117	MS4W-B24	23.825	168
MSOW-B12	12.065	78	MS2W-B24	23.825	127	MS5W-J2	14.199	161
MSOW-B16	15.733	85	MS3W-J1	9.754	105	MS5W-J3	20.599	170
MSOW-B18	17.780	93	MS3W-J2	14.199	111	MS5W-J4	28.550	181
MS1W-J0	6.350	71	MS3W-J3	20.599	120	MS5W-J5	35.890	186
MS1W-J1	9.754	76	MS3W-J4	28.550	131	MS5W-J6	17.170	164
MS1W-J2	14.199	82	MS3W-J5	35.890	136	MS5W-J33	15.850	164
MS1W-J3	20.599	91	MS3W-J6	17.170	114	MS5W-B16	15.7733	168
MS1W-J6	17.170	85	MS3W-J33	15.850	114	MS5W-B18	17.780	176
MS1W-J33	15.850	85	MS3W-B10	10.094	107	MS5W-B22	21.793	185
MS1W-B10	10.094	78	MS3W-B12	12.065	111	MS5W-B24	23.825	195
MS1W-B12	12.065	82	MS3W-B16	15.733	118	MS6W-J3	20.599	224
MS1W-B16	15.733	89	MS3W-B18	17.780	126	MS6W-J4	28.550	235
MS1W-B18	17.780	97	MS3W-B22	21.793	135	MS6W-J5	35.890	240
MS2W-J0	6.350	83	MS3W-B24	23.825	145	MS6W-J6	177.170	218
MS2W-J1	9.745	88	MS4W-J2	14.199	134	MS6W-B33	15.850	218
MS2W-J2	14.199	94	MS4W-J3	20.599	143	MS6W-B16	15.733	222
MS2W-J3	20.599	103	MS4W-J4	28.550	154	MS6W-B18	17.7780	230
MS2W-J4	28.550	114	MS4W-J5	35.890	159	MS6W-B22	21.793	238
MS2W-J5	35.890	119	MS4W-J6	17.170	137	MS6W-B24	23.825	248

舌尾型莫氏钻接杆 MORSE TAPER DRILL CHUCK ARBORS WITH TANG





订单号 OrderNo. MS.NO.W-NO.S	d (mm)	L (mm)	订单号 OrderNo .MS.NO.W-NO.S	d (mm)	L (mm)	订单号 OrderNo .MS.NO.W-NO.S	d (mm)	L (mm)
MSO-B6	6.350	75	MS2-B22	21.793	128	MS4-B18	17.780	164
MSO-B10	10.094	80	MS2-B24	23.829	138	MS4-B22	21.793	172
MSO-B12	12.065	84	MS2-B18S	17.431	113	MS4-B24	23.825	182
MSO-B16	15.733	91	MS2-J0	6.350	94	MS4-J0	6.350	138
MSO-B18	17.780	99	MS2-J1	9.754	100	MS4-J1	9.754	143
MSO-B22	21.793	108	MS2-J2	14.199	105	MS4-J2	14.199	149
MSO-B24	23.825	118	MS2-J3	20.599	114	MS4-J3	20.599	158
MSO-J0	6.350	73	MS2-J4	28.550	125	MS4-J4	28.550	169
MSO-J3	20.599	93	MS2-J5	35.890	130	MS4-J5	35.890	174
MSO-J33	15.850	88	MS2-J6	17.170	108	MS4-J6	17.170	152
MS1-B10	10.094	86	MS2-J33	15.850	108	MS4-J33	15.850	152
MS1-B12	12.065	90	MS3-B10	10.094	120	MS5-B10	10.094	177
MS1-B16	15.733	97	MS3-B12	12.065	124	MS5-B12	12.065	181
MS1-B18	17.780	105	MS3-B16	15.733	131	MS5-B16	15.733	188
MS1-B22	21.793	114	MS3-B18	17.780	139	MS5-B18	17.780	196
MS1-B24	23.825	124	MS3-B22	21.793	147	MS5-B22	21.793	204
MS1-J0	6.350	79	MS2-B24	23.825	157	MS5-B24	23.835	214
MS1-J1	9.754	85	MS2-J0	6.350	113	MS5-J0	6.350	170
MS1-J2	14.199	90	MS3-J1	9.754	118	MS5-J1	9.754	175
MS1-J3	20.599	99	MS3-J2	14.199	124	MS5-J2	14.199	181
MS1-J4	28.550	110	MS3-J3	20.599	133	MS5-J3	20.599	190
MS1-J5	35.890	116	MS3-J4	28.550	144	MS5-J4	28.550	201
MS1-J6	17.170	94	MS3-J5	35.890	149	MS5-J5	35.890	206
MS1-J33	15.850	94	MS3-J6	17.170	127	MS5-J6	17.1770	184
MS2-B10	10.094	101	MS3-J33	15.850	127	MS5-J33	15.850	184
MS2-B12	12.065	105	MS4-B10	10.094	145	MS6-B16	15.733	250
MS2-B16	15.733	112	MS4-B12	12.065	149	MS6-J3	20.599	252
MS2-B18	17.780	120	MS4-B16	15.733	156	MS6-J6	17.170	246

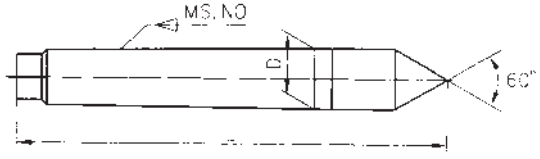
混合插入式铣刀杆用附件 ATTACHMENT OF COMBI SHELL END MILL ARBORS





环 DRIVE RING	扳手 SPANNER	螺钉 SCREW	刀杆直径 Dia of srbors
SK-00206-1	SD-K-00208-1	SK-00210-1	13
SK-00206-2	SD-K-00208-2	SK-00210-2	16
SK-00206-3	SD-K-00208-3	SK-00210-3	22
SK-00206-4	SD-K-00208-4	SK-00210-4	27
SK-00206-5	SD-K-00208-5	SK-00210-5	32
SK-00206-6	SD-K-00208-6	SK-00210-6	40
SK-00206-7	SD-K-00208-7	SK-00210-7	50
SK-00206-8	SD-K-00208-8	SK-00210-8	25.4

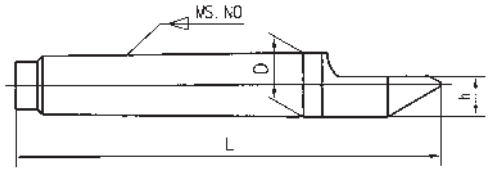
固定顶尖 DEAD CENTER

订单号 Order No.	MS.NO.	D mm	L mm	重量 Wt(kg)	精度 Accuracy(mm)
DG1	MS1	12.065	80	0.057	0.010
DG2	MS2	17.780	100	0.150	
DG3	MS3	23.825	125	0.334	
DG4	MS4	31.267	160	0.746	
DG5	MS5	44.399	200	1.862	
DG6	MS6	63.348	270	4.925	
DG7	MS7	83.061	360	8.620	

半缺顶尖 HALF-NOTCHED CENTER

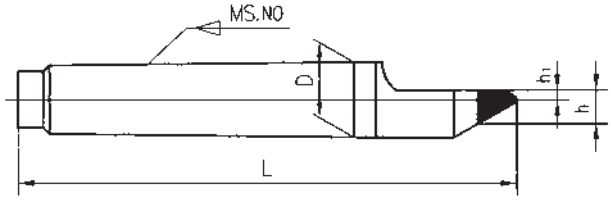




订单号 Order No.	MS.NO.	D mm	h mm	L mm	重量 Wt(kg)	精度 Accuracy(mm)
DH1	MS1	12.065	7.6	80	0.057	0.010
DH2	MS2	17.780	11	100	0.150	
DH3	MS3	23.825	15.05	125	0.334	
DH4	MS4	31.267	20.8	160	0.746	
DH5	MS5	44.399	29.35	200	1.862	
DH6	MS6	63.348	41.9	270	4.925	
DH7	MS7	83.061	53.78	360	8.620	

硬质合金半缺顶尖 CARBIDE HALF-NOTCHED CENTER

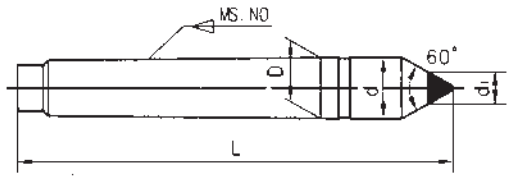




订单号 Order No.	MS.NO.	h1 mm	h mm	D mm	L mm	重量 Wt(kg)	精度Accuracy(mm)
DHE1	MS1	1.5	5.5	12.065	80	0.06	0.010
DHE2	MS2	2	6	17.780	100	0.15	
DHE3	MS3	3	9	23.825	125	0.34	
DHE4	MS4	5	12.5	31.267	160	0.71	
DHE5	MS5	7	16	44.399	200	1.78	
DHE6	MS6	10	22	63.348	270	5.00	
DHE7	MS7	12	24	83.061	360	8.30	

硬质合金顶尖 CARBIDE CENTER

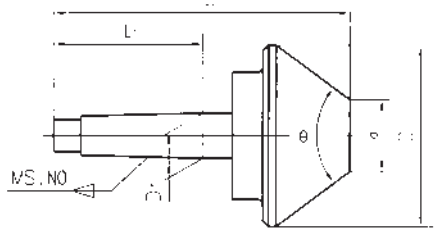




订单号Order No.	MS.NO.	D mm	L mm	d mm	d1 mm	重量 Wt(kg)	精度Accura-cy(mm)
DE1	MS1	12.065	80	12.2	8	0.057	0.010
DE2	MS2	17.780	100	18	8	0.151	
DE3	MS3	23.825	125	24.1	12	0.335	
DE4	MS4	31.267	160	31.6	15	0.746	
DE5	MS5	44.399	200	44.7	18	1.826	
DE6	MS6	63.348	270	63.8	24	5.230	
DE7	MS7	83.061	360	83.555	24	9.190	

伞形顶尖 BULL NOSE CENTER

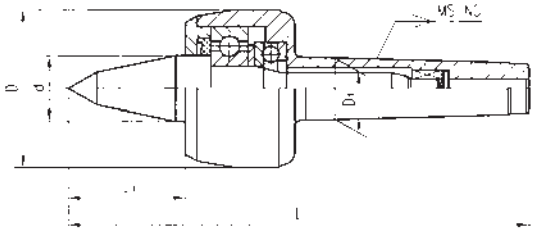




订单号 Order No.	MS.NO.	L	L1	D	D1	d	θ
DS2×60（60°）	MS2	132	64	60	17.780	20	60°
DS2×61.9（70°）	MS2	135	64	61.9	17.780	12.7	70°
DS3×76.2（70°）	MS3	152	81	76.2	23.825	19	70°
DS3×100（60°）	MS3	170	81	100	23.825	30	60°
DS3×100（75°）	MS3	164	81	100	23.825	32	75°
DS4×160（60°）	MS4	232	102.5	160	31.267	40	60°
DS4×160（75°）	MS4	225	102.5	160	31.267	35	75°
D5×200（75°）	MS5	252	129.5	200	44.399	40	75°
DS5×250（75°）	MS5	281	129.5	250	44.399	57	75°
DS6×200（75°）	MS6	320	182	200	63.348	40	75°
DS6×250（75°）	MS6	355	182	250	63.348	57	75°

M11 型精密回转顶尖 PRECISION LIVE CENTER

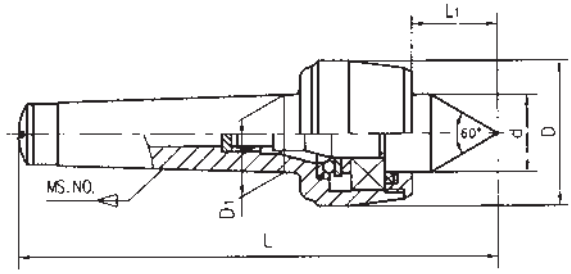




订单号 Order No.	MS.NO.	L mm	D mm	L1 mm	d mm	D1 mm	最大载荷（kg） Max Load	极限转速（rpm） Max Speed	精度 Accuracy(mm)
M11/101	MS1	124	36	27	15	12.065	80	7000	0.01
M11/102	MS2	139	45	34	20	17.780	140	7000	0.005
M11/106	MS3	176.5	60	47	25	23.825	400	5000	0.005
M11/108	MS4	217	70	53	32	31.267	500	3800	0.005
M11/110	MS5	273	90	65	40	44.399	1200	3000	0.005
M11/114	MS6	354.5	105	78	50	63.348	2500	2600	0.01

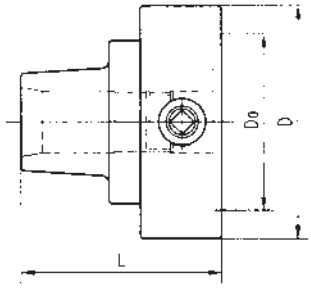
精密轻型回转顶尖 PRECISION LIGHT-DUTY LIVE CENTER





HT- 0051　　5C 夹具 5C FIXTURE

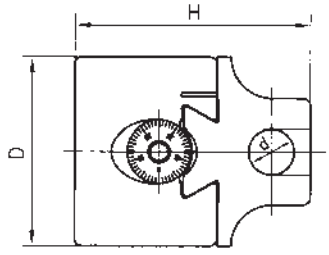




订单号 Order No.		3911-125-5C-00	
夹持范围 Clamping rang	Round 圆孔	1∽28mm	3/64"∽1-1/8"
	Square 四方孔	3∽19mm	1/8"∽3/4"
	Hex 六方孔	3∽22mm	1/8"∽7/8"
D（mm）		126	
D_0(mm)		95	
L(mm)		107.2	
重量 Wt(kg)		4.5	

F1 型镗头 TYPE F1 BORING HEADS



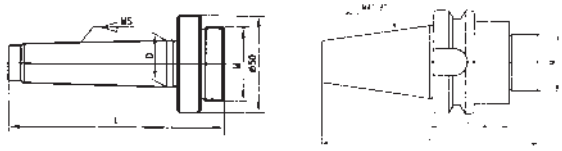


订单号 Order No.	D mm	H mm	最大位移 Max offset	刀杆直径d Boring bar dia	最小刻度值 Min graduation	镗削直径 Dia of Boring
F1-1/2	50	61.6	5/8"	1/2"	0.001"	3/8"-5"
F1-3/4	75	80.2	1"	3/4"	0.0005"	1/2-9"
F1-1	100	93.2	1-5/8"	1"		5/8"-12.5"
F1-12	50	61.6	16mm	12mm	0.01mm	10-125mm
F1-18	75	80.2	25mm	18mm		12-225mm
F1-25	100	93.2	41mm	25mm		15-320mm

镗刀需特殊订购 The borer is to be purchased specially

F1 型镗刀柄 F1 BORING SHANK





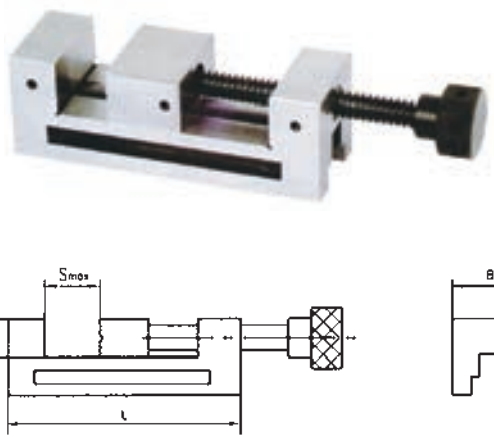
订单号 Order No.	柄部 Shank	L(mm)	螺纹M	订单号 Order No.	柄部 Shank	L(mm)	螺纹M
F1-MS2W	MS2	93	7/8"-20 1-1/2"-18	F1-ISO40	ISO40	135	7/8"-20 1-1/2"-18
F1-MS2		108		F1-ISO50	ISO50	168	
F1-MS3W	MS3	110		F1-5/8	5/8"	97	
F1-MS3		128		F1-3/4	3/4"	112	
F1-MS4W	MS4	133		F1-7/8	7/8"	127	
F1-MS4		154		F1-1	1"	137	
F1-MS5W	MS5	160		F1-1-1/4	1-1/4"	167	
F1-MS5		186		F1-1-1/2	1-1/2"	197	
F1-MS6W	MS6	214		F1-1-3/4	1-3/4"	227	
F1-MS6		248		BT40×7/8“-20-45	BT40	122.4	
F1-R8	R8	132.5		DIN69871.A40×7/8"-20-40	DIN69871.40	120.4	
F1-ISO30	ISO30	102		CT40×7/8"-20-50	CT40	130	

精密工具平口钳 THE PRECISION TOOL VISES

1、采用优质合金结构钢制造，工作面硬度HRC58-62
2、平行度0.005mm/100mm，垂直度0.005mm
3、夹紧快，操作灵活
4、用于精密测量和检查，精密磨削及电火花
5、在工作时无论横立、竖立、平放皆可保持高的精密度

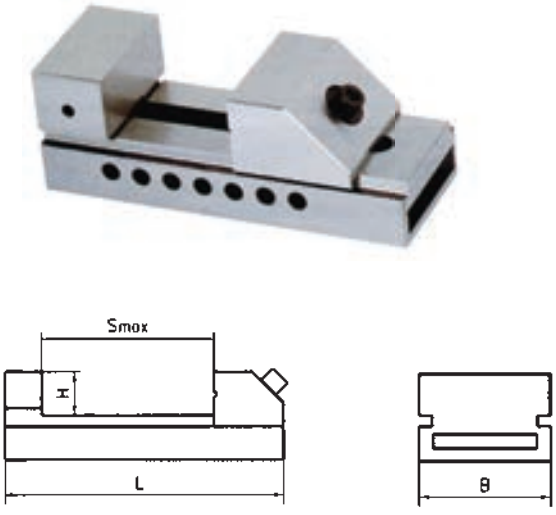
1、Made of high-quality alloy steel.The hardness of working surface reaches HRC58-62
2、Parallelism 0.005mm/100mm squareness 0.005mm
3、Quickly to clamp and easy to operate
4、Used for precision measurement and inspection precision grinding.EDM and wire-cutting machine
5、Guarantee high accuracy in any position

QGG 系列精密工具平口钳 PRECISION TOOL VISES



订单号 Order NO.	B mm	H mm	Smax mm	L mm	重量 Wt(kg)
QGG50	50	25	65	155	3.0
QGG60	60	25	55	110	2.4
QGG63	63	32	85	190	3.8
QGG73	73	35	100	210	5.0
QGG80	80	40	100	220	6.5
QGG88	88	40	125	250	11.0
QGG100	100	45	125	260	13.0
QGG125	125	50	160	300	19.5
QGG125A	125	50	210	350	23.0
QGG150	150	50	175	315	23.8

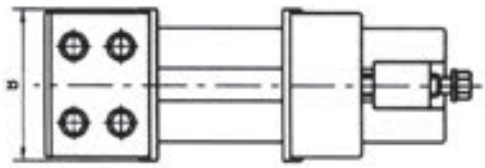
QKG 系列精密工具平口钳 PRECISION TOOL VISES



订单号 Order NO.	B mm	H mm	Smax mm	L mm	重量 Wt(kg)
QKG25	26	9.15	22	65.4	0.5
QKG36	36	20	40	100	1.2
QKG38	38	20	44	105	1.3
QKG50	50	25	65	140	2.0
QKG63	63	32	85	175	3.0
QKG73	73	35	100	190	4.1
QKG80	80	40	100	200	5.5
QKG88	88	40	125	235	7.3
QKG100	100	45	125	245	10.0
QKG125	125	50	160	285	18.0
QKG150	150	50	200	330	21.5
QKG150A	150	50	250	380	23
QKG150B	150	50	300	430	24

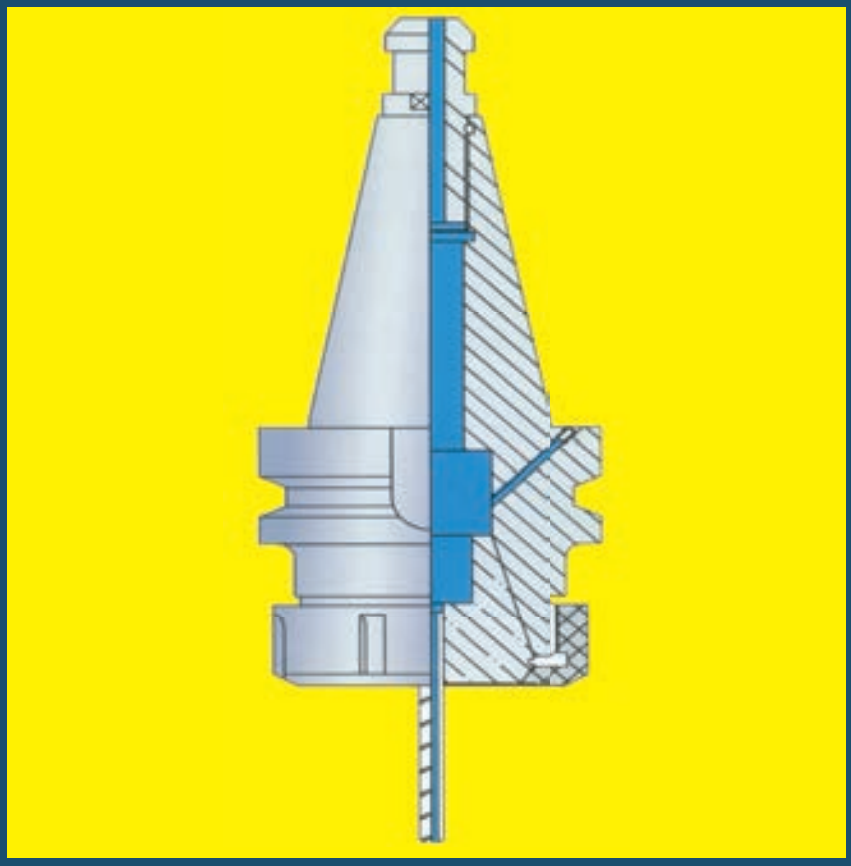
GT精密组合平口钳/PRECISION MODULAR VISES





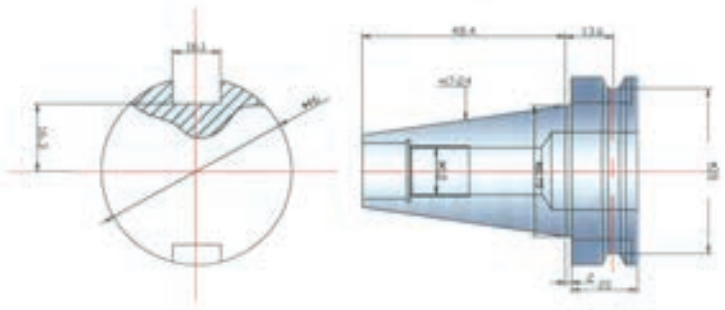
型号 Model No.	B mm	H mm	Smax mm	L mm	最大夹紧力（Kg） Clamping force
GT853118	100	30	100	270	3000
GTB53119	125	40	150	345	3000
GT853120	150	50	200	420	5000
GT853165	150	50	300	520	5000
GT853170	175	60	200	455	6000
GT853171	175	60	300	555	6000
GT853172	175	60	400	655	6000
GT853173	175	60	500	755	6000
GT853174	175	60	600	855	6000
GT853176	200	65	200	495	10000
GT853177	200	65	300	595	10000
GT853178	200	65	400	695	10000
GT853179	200	65	500	795	10000
GT853180	200	65	600	895	10000
GT853190	300	80	200	535	12000
GT853191	300	80	300	635	12000
GT853192	300	80	400	735	12000
GT853193	300	80	500	835	12000
GT853194	300	80	600	935	12000
GT853195	300	80	700	1035	12000
GT853196	300	80	800	1135	12000

TECHNICAL DATA

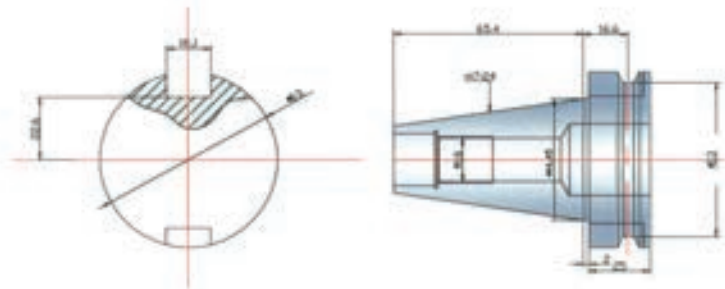


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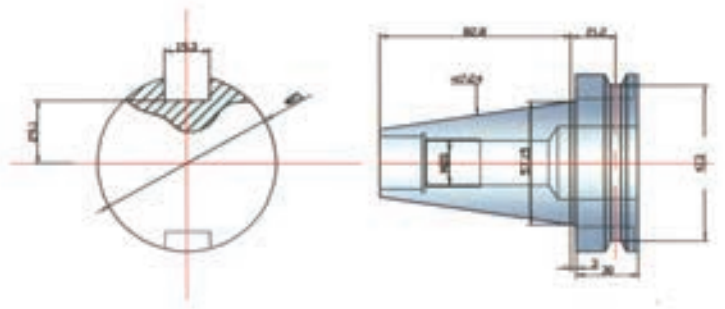
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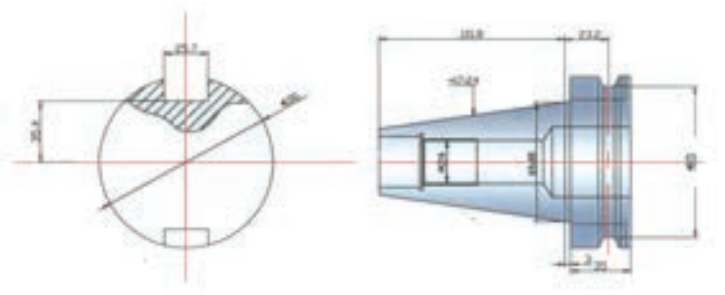
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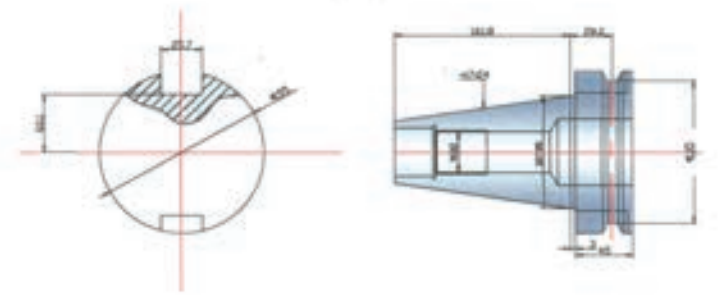
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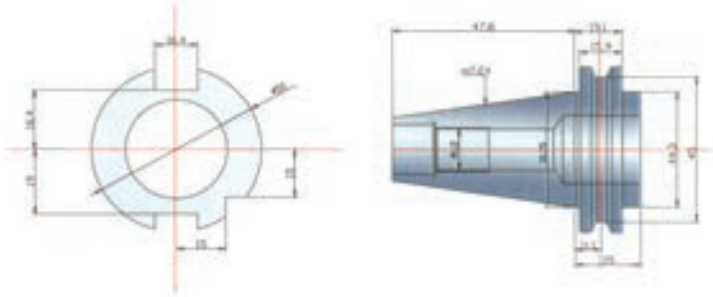


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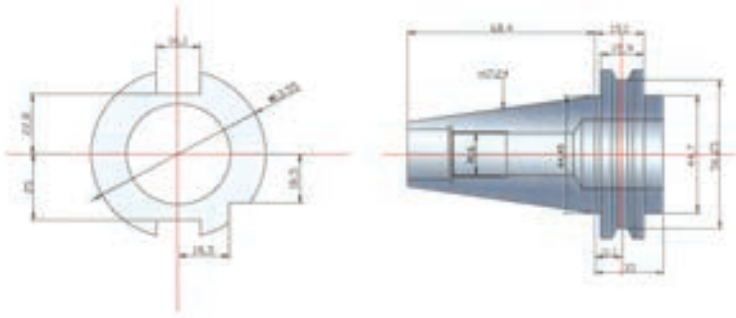


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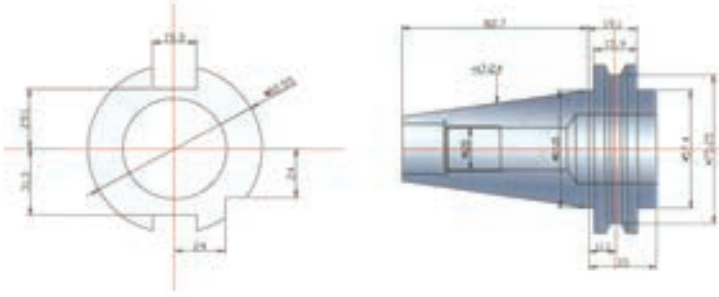
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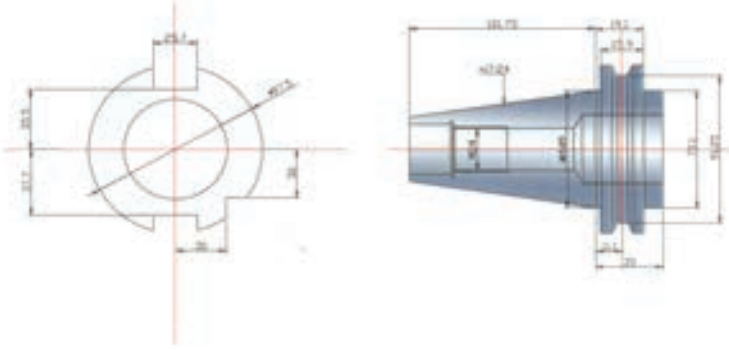
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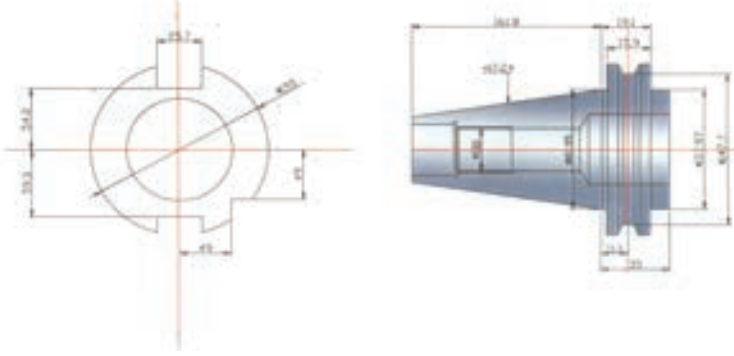
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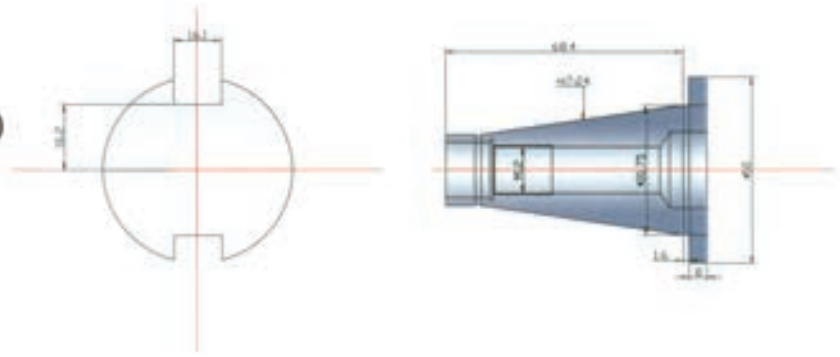


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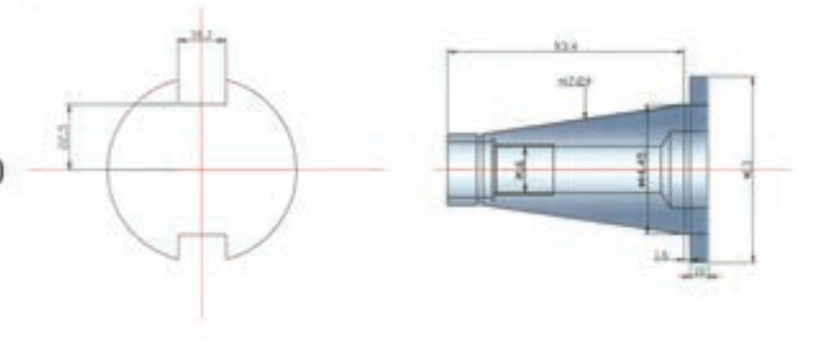


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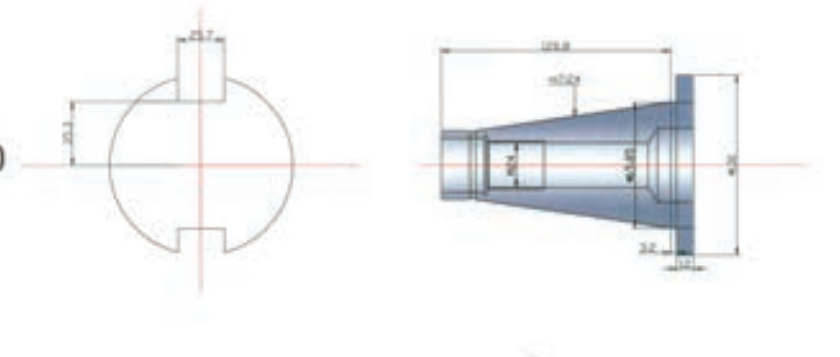
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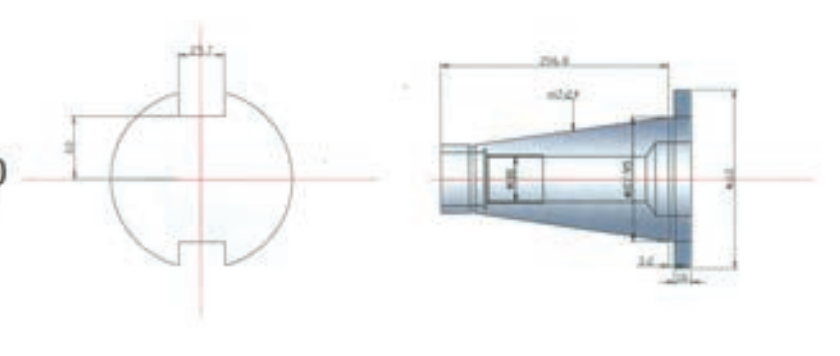
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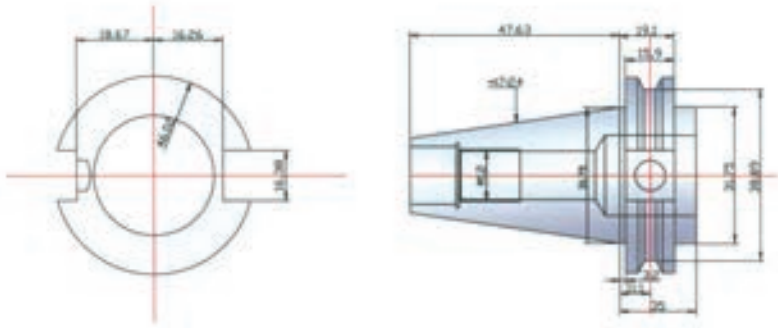


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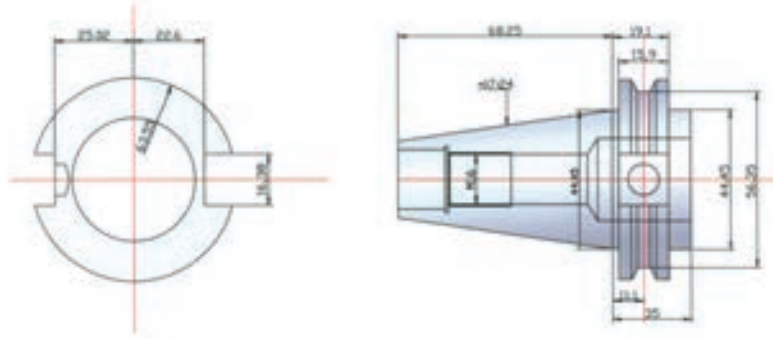


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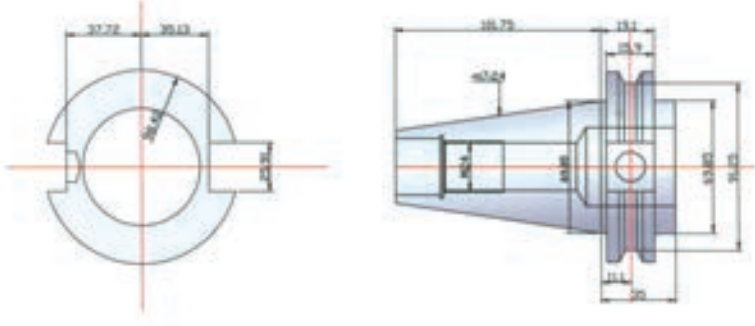
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