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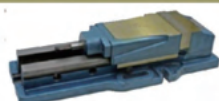
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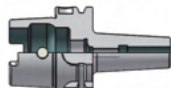
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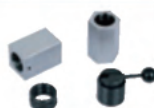
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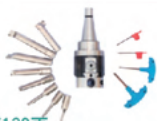


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ZY-60010



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NBH2084微调精密镗头

MICRO BORING HEAD

平行块系列

PARALLEL BLOCK SERIES

ZY-80002



■详细请参照第139页

PB161 型平行块

PRECISION PARALLEL BLOCK

ZY-80004



■详细请参照第139页

PB150 型平行块

PRECISION PARALLEL BLOCK

ZY-80006



■详细请参照第139页

PB151 型平行块

PRECISION PARALLEL BLOCK

ZY-80008



■详细请参照第140页

PB153 型平行块

PRECISION PARALLEL BLOCK

ZY-80010



■详细请参照第140页

PB154 型平行块

PRECISION PARALLEL BLOCK

ZY-80012



■详细请参照第140页

PB155 型平行块

PRECISION PARALLEL BLOCK

巡边器系列

EDGE FINDER SERIES

ZY-90002



■详细请参照第141页

光电式巡边器

ELECTRONIC EDGE FINDER

ZY-90004



■详细请参照第141页

偏心式巡边器

MECHANICAL EDGE FINDER

其它系列

OTHER ACCESSORY SERIES

ZY-100002



■详细请参照第142页

DIN317 拆卸楔铁

MORSE SHANK PULLER

ZY-100004



■详细请参照第142页

DIN318 半自动楔铁

HALF AUTOMATIC MORSE SHANK PULLER

ZY-100006



■详细请参照第142页

刀柄锁刀座

VERTICAL HORIZONTAL TOOL HOLDER DEVICE

ZY-100008



■详细请参照第143页

组合压板套装

CLAMPING KIT SET

ZY-100010



■详细请参照第143页

油压软爪

HYDRAULIC SOFT CLAWS

ZY-100012



■详细请参照第144页

K11系列三爪自定心卡盘

3-JAW SELF-CENTRING CHUCKS

ZY-100014



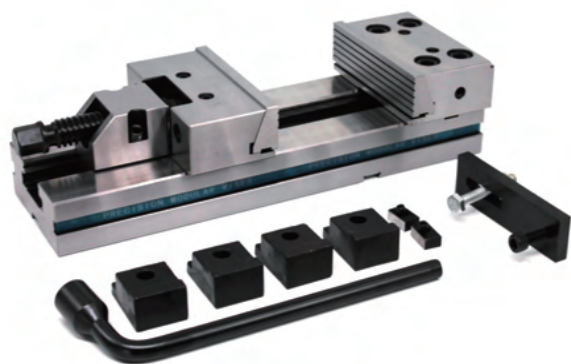
■详细请参照第145页

K12系列四爪自定心卡盘

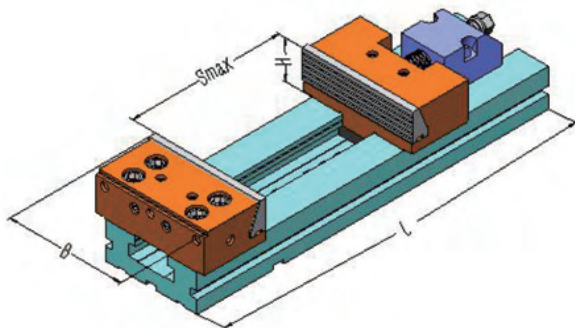
4-JAW SELF-CENTRING CHUCKS

ZY-0001 精密组合平口钳 PRECISION MODULAR VISES

- ★: 优质合金钢经特殊处理, 工作表面硬度达 HRC58~62, 具有高耐磨性及高抗拉强度
- ★: 平行度0.005mm/100mm, 垂直度0.005mm
- ★: 可拆换固定钳口、活动钳口、夹紧快, 操作方便
- ★: 用于加工中心、数控铣床、镗床、平面磨床、龙门铣床等机床
- ★: 订购时请注明钳口动块要求, 平面型或V槽型



- ★: High quality alloy steel by special treatment, the working surface hardness up to HRC58~62, to ensure high wear resistance and high tension
- ★: Parallelism 0.005mm/100mm, squareness 0.005mm
- ★: Can be used for surface grinder, machining center, CNC milling machine and other precision machine tools
- ★: It have interchangeable base, fixed/movable jaws. it is quickly to clamp and easy to operate
- ★: When ordering, please specify the requirements of the moving block of the jaw, flat or v-groove



型号 Model No.	B mm	H mm	Smax mm	L mm	最大夹紧力(Kg) Clamping force
GT 100 X 100-I	100	30	100	270	3000
GT 125 X 150-I	125	40	150	345	3000
GT 150 X 200-I	150	50	200	420	5000
GT 150 X 300-I	150	50	300	520	5000
GT 175 X 200-I	175	60	200	455	6000
GT 175 X 300-I	175	60	300	555	6000
GT 175 X 400-I	175	60	400	655	6000
GT 175 X 500-I	175	60	500	755	6000
GT 175 X 600-I	175	60	600	855	6000
GT 200 X 200-I	200	65	200	495	10000
GT 200 X 300-I	200	65	300	595	10000
GT 200 X 400-I	200	65	400	695	10000
GT 200 X 500-I	200	65	500	795	10000
GT 200 X 600-I	200	65	600	895	10000
GT 300 X 200-I	300	80	200	535	12000
GT 300 X 300-I	300	80	300	635	12000
GT 300 X 400-I	300	80	400	735	12000
GT 300 X 500-I	300	80	500	835	12000
GT 300 X 600-I	300	80	600	935	12000
GT 300 X 700-I	300	80	700	1035	12000
GT 300 X 800-I	300	80	800	1135	12000

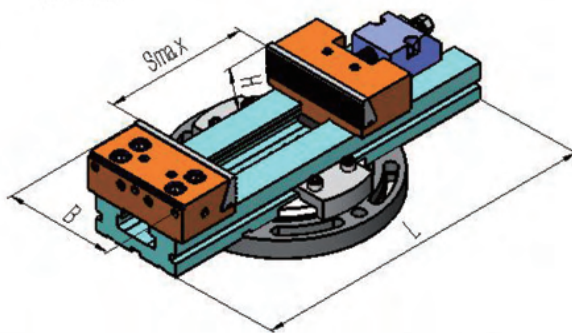
精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEXER SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-0002 带底座精密组合平口钳 PRECISION MODULAR VISES WITH SWIVEL BASE

- ★: 优质合金钢经特殊处理, 工作表面硬度达HRC58~62, 具有高耐磨性及高抗拉强度
- ★: 平行度0.005mm/100mm, 垂直度0.005mm
- ★: 可拆换固定钳口、活动钳口、夹紧快, 操作方便
- ★: 钳体可左右旋转90°
- ★: 用于加工中心、数控铣床、镗床、平面磨床、龙门铣床等机床

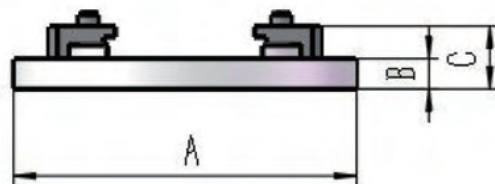
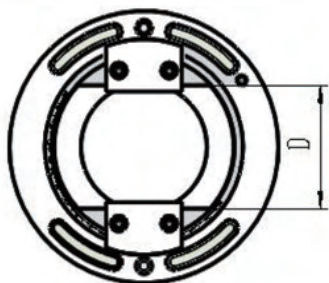


- ★: High quality alloy steel by special treatment, work surface hardness up to HRC58~62, With high wear resistance and high tensile strength
- ★: Parallelism 0.005mm/100mm, perpendicularity 0.005mm
- ★ Can be removed and replaced fixed pliers, movable pliers, clamping fast, easy to operate
- ★: Vise body can be rotated about 90°
- ★ Used for machining center, CNC milling machine, boring machine, surface grinder, planer milling machine and other machine



型号 Model No.	B mm	H mm	Smax mm	L mm	最大夹紧力(Kg) Clamping force
GT100 X 100-II	100	30	100	270	3000
GT125 X 150-II	125	40	150	345	3000
GT150A X 200-II	150	50	200	420	5000
GT150B X 300-II	150	50	300	520	5000
GT150C X 400-II	150	50	400	620	5000
GT175A X 200-II	175	60	200	455	6000
GT175B X 300-II	175	60	300	555	6000
GT175C X 400-II	175	60	400	655	6000
GT175D X 500-II	175	60	500	755	6000
GT175E X 600-II	175	60	600	855	6000
GT200A X 200-II	200	65	200	495	10000
GT200B X 300-II	200	65	300	595	10000
GT200C X 400-II	200	65	400	695	10000
GT200D X 500-II	200	65	500	795	10000
GT200E X 600-II	200	65	600	895	10000
GT300A X 200-II	300	80	200	535	12000
GT300B X 300-II	300	80	300	635	12000
GT300C X 400-II	300	80	400	735	12000
GT300D X 500-II	300	80	500	835	12000
GT300E X 600-II	300	80	600	935	12000
GT300F X 700-II	300	80	700	1035	12000
GT300G X 800-II	300	80	800	1135	12000

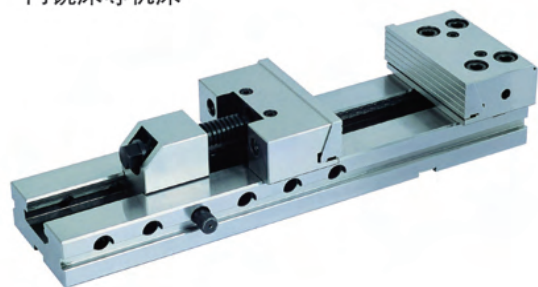
ZY-00021 转盘系列 SWIVEL BASE SERIES



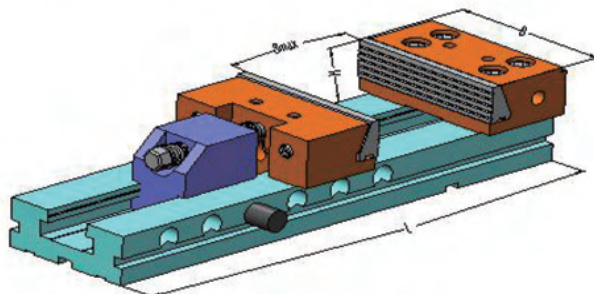
订单号 Order No.	A mm	B mm	C mm	D mm
GT100-08	180	20	43.5	75
GT125-08	226	23	47	95
GT150-08	290	28	58	125
GT175-08	320	28	58	145
GT200-08	370	34	74	170
GT300-08	400	38	78	195

ZY-0003 快动式精密组合平口钳 QUICK-ACTING PRECISION COMBINED VISES

- ★: 优质合金钢经特殊处理, 工作表面硬度达HRC58 ~ 62, 具有高耐磨性及高抗拉强度
- ★: 平行度0.005mm/100mm. 垂直度0.005mm
- ★: 定位销可根据工件的大小, 调整其在钳体上的位置, 实现快速夹紧
- ★: 用于加工中心、数控铣床、镗床、平面磨床、龙门铣床等机床



- ★: High quality alloy steel by special treatment, the working surface hardness up to HRC58 ~ 62, to ensure high wear resistance and high tension
- ★: Parallelism 0.005mm/100mm, squareness 0.005mm
- ★: The positioning pin can adjust its position on the clamp body according to the size of the workpiece to achieve fast clamping
- ★: Can be used for surface grinder, machining center, CNC milling machine and other precision machine



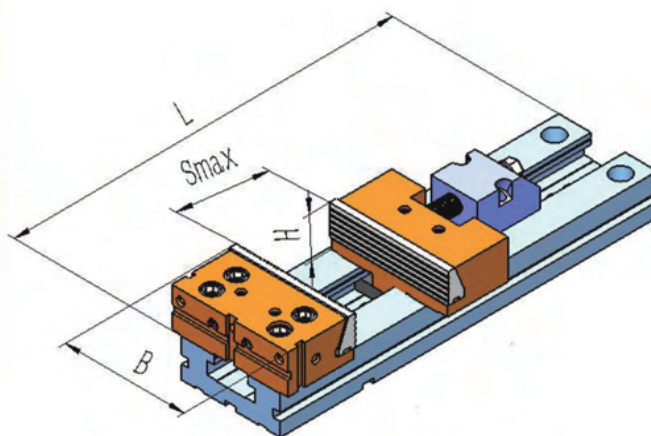
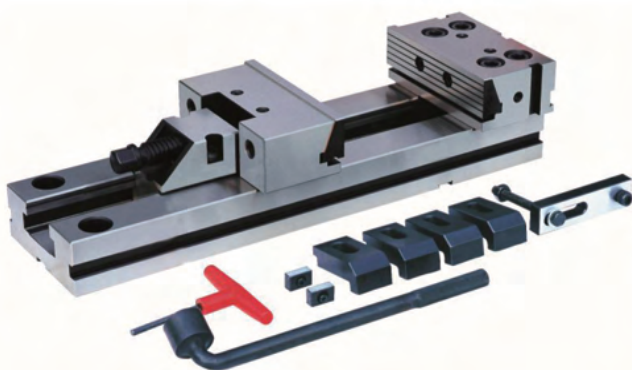
型号 Model No.	B mm	H mm	Smax mm	L mm	最大夹紧力(Kg) Clamping force
GT125X150-III	125	40	150	345	3000
GT150X200-III	150	50	200	420	5000
GT150X300-III	150	50	300	520	5000
GT175X400-III	175	60	400	655	6000

ZY-00031 ZQ80型立卧组合平口钳

- ★: 优质合金钢经特殊处理, 工作表面硬度达 HRC58~62, 具有高耐磨性及高抗拉强度
- ★: 平行度0.005mm/100mm, 垂直度0.005mm
- ★: 立、卧两用
- ★: 用于加工中心、数控铣床、镗床、平面磨床、龙门铣床等机床

PRECISION HORIZONTAL VERTICAL VISES

- ★: High quality alloy steel by special treatment, the working surface hardness up to HRC58~62, to ensure high wear resistance and high tension
- ★: Parallelism 0.005mm/100mm, squareness 0.005mm
- ★: Vertical and horizontal two kinds of usage
- ★: Used for machining center, CNC milling machine, high precision surface grinder, line cutting, etc

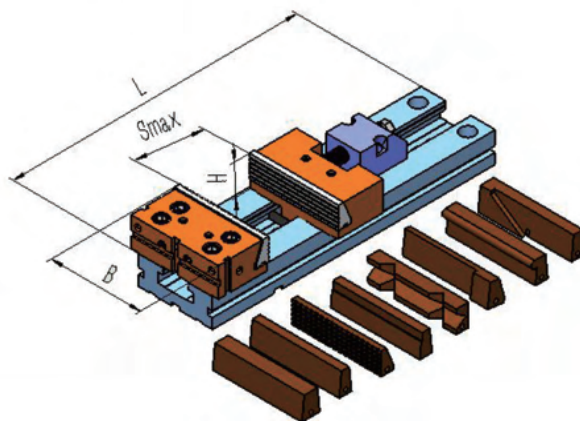


订单号 Order No.	B mm	H mm	Smax mm	L mm
ZQ80100	100	30	100	270
ZQ80125	125	40	150	345
ZQ80150	150	50	200	420
ZQ80150A	150	50	300	520
ZQ80175	175	60	200	455
ZQ80175A	175	60	300	555
ZQ80175B	175	60	400	655
ZQ80175C	175	60	500	755
ZQ80200	200	65	200	495
ZQ80200A	200	65	300	595
ZQ80200B	200	65	400	695
ZQ80200C	200	65	500	795
ZQ80200D	200	65	600	895

ZY-00032 ZY型立卧快换组合平口钳 ZY VERTICAL AND HORIZONTAL QUICK CHANGE COMBINATION VISES

- ★: 优质合金钢经特殊处理, 工作表面硬度达 HRC58~62, 具有高耐磨性及高抗拉强度
- ★: 平行度0.005mm/100mm, 垂直度0.005mm
- ★: 立、卧两用
- ★: 用于加工中心、数控铣床、镗床、平面磨床、龙门铣床等机床

- ★: High quality alloy steel by special treatment, the working surface hardness up to HRC58~62, to ensure high wear resistance and high tension
- ★: Parallelism 0.005mm/100mm, squareness 0.005mm
- ★: Vertical and horizontal two kinds of usage
- ★: Used for machining center, CNC milling machine, high precision surface grinder, line cutting, etc

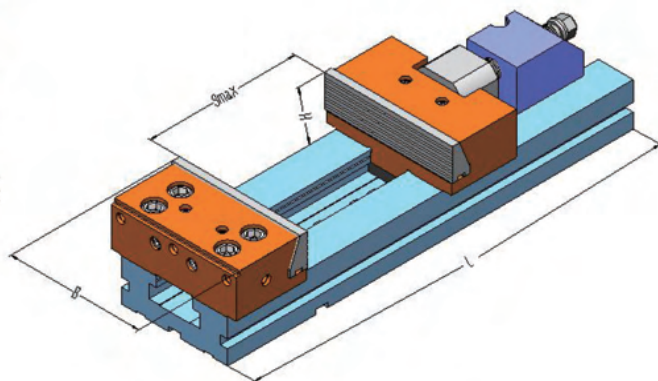
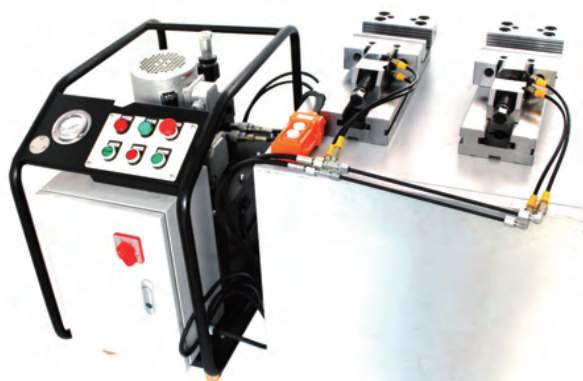


订单号 Order No.	B mm	H mm	Smax mm	L mm
ZY-1X100	96	28	100	270
ZY-2X150	121	38	150	345
ZY-3X200	146	48	200	420
ZY-3X300	146	48	300	520
ZY-4X200	171	58	200	455
ZY-4X300	171	58	300	555
ZY-4X400	171	58	400	655
ZY-4X500	171	58	500	755
ZY-5X200	196	63	200	495
ZY-5X300	196	63	300	595
ZY-5X400	196	63	400	695
ZY-5X500	196	63	500	795
ZY-5X600	196	63	600	895
ZY-6X200	296	78	200	535
ZY-6X300	296	78	300	635
ZY-6X400	296	78	400	735
ZY-6X500	296	78	500	835
ZY-6X600	296	78	600	935
ZY-6X700	296	78	700	1035
ZY-6X800	296	78	800	1135

ZY-00033 机械式/外联油压 组合平口钳 MECHANICAL/HYDRAULIC MODULAR VISE

- ★:机械/油压可单独使用，也可多台合并使用。油压夹紧力大且稳定不退压，适合重切削精密加工。
- ★:优质合金钢经特殊处理，工作表面硬度达 HRC58~62，平行度0.005mm/100mm,垂直度0.005mm。
- ★:可立、卧两用。用于加工中心、数控铣床、镗床、平面磨床、龙门铣床等机床
- ★:可保持长久耐磨性及高精度性

- ★:Mechanical/oil pressure can be used alone or combined. Oil pressure strong and stable, suitable for heavy cutting precision machining.
- ★: High quality alloy steel and carburized, working face hardness HRC58~62 ,parallelism .005mm/100mm, squareness 0.005mm
- ★:Can be used for vertical and horizontal milling machine Widely used in machining center, CNC milling machine, surface grinder and other machine
- ★:Can maintain long wear resistance and high precision

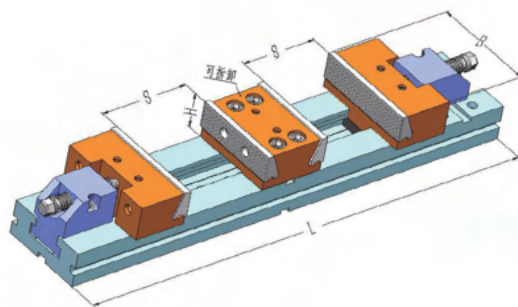
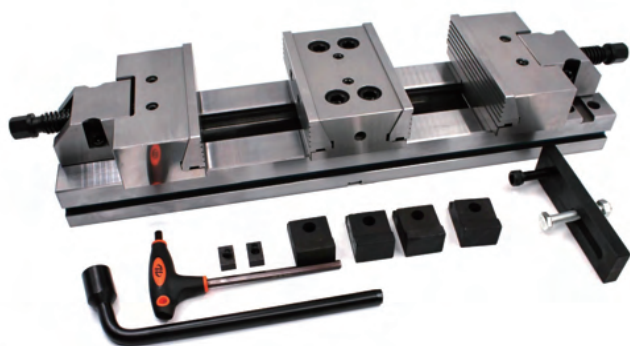


型号 Model No.	B mm	H mm	Smax mm	L mm	最大夹紧力(Kg) Clamping force
GT 100 X 100-IV	100	30	100	270	3000
GT 125 X 150-IV	125	40	150	345	3000
GT 150 X 200-IV	150	50	200	420	5000
GT 150 X 300-IV	150	50	300	520	5000
GT 175 X 200-IV	175	60	200	455	6000
GT 175 X 300-IV	175	60	300	555	6000
GT 175 X 400-IV	175	60	400	655	6000
GT 175 X 500-IV	175	60	500	755	6000
GT 175 X 600-IV	175	60	600	855	6000
GT 200 X 200-IV	200	65	200	495	10000
GT 200 X 300-IV	200	65	300	595	10000
GT 200 X 400-IV	200	65	400	695	10000
GT 200 X 500-IV	200	65	500	795	10000
GT 200 X 600-IV	200	65	600	895	10000

ZY-0004 ZQ83型单、双向组合平口钳 SINGLE & DOUBLE ACTION VISES

- ★: 优质合金钢经特殊处理, 工作表面硬度达HRC58 ~ 62, 具有高耐磨性及高抗拉强度
- ★: 平行度0.005mm/100mm, 垂直度0.005mm
- ★: 可作单向钳用, 也可作双向钳用, 作单向钳时具有超长的开口度
- ★: 用于加工中心、数控铣床、镗床、平面磨床、龙门铣床等机床

- ★: Produced of high quality steel, carburized to surface hardness: HRC58 ~ 62
- ★: Parallelism 0.005mm/100mm, squareness 0.005mm
- ★: It can quickly change from double vise to single vise with very large opening
- ★: It is widely used on machining center and other precision machine



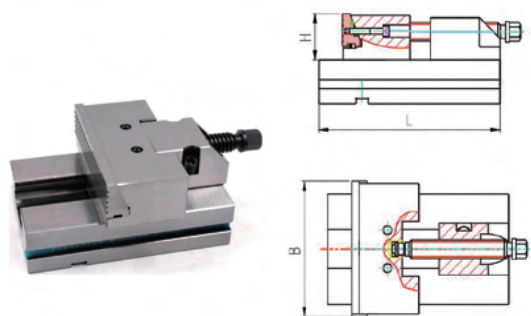
订单号 Order No.	S mm	B mm	H mm	L mm
ZQ83100	2X90	100	30	460
ZQ83125	2X100	125	40	520
ZQ83150	2X110	150	50	580
ZQ83150A	2X160	150	50	680
ZQ83175	2X120	175	60	666
ZQ83175A	2X170	175	60	766
ZQ83175B	2X220	175	60	866
ZQ83175C	2X270	175	60	966
ZQ83200	2X150	200	65	805
ZQ83200A	2X200	200	65	905
ZQ83200B	2X250	200	65	1005
ZQ83200C	2X300	200	65	1105
ZQ83200D	2X350	200	65	1205

ZY-00041 ZQ84型分离式组合平口钳 PRECISION MODULAR VISES

- ★:采用优质合金钢渗碳处理,工作面硬度HRC58~62
- ★:平行度0.005mm/100mm,垂直度0.005mm
- ★:可在工作台上组装成单向或双向夹紧方式,满足加工尺寸较大工件的需要
- ★:广泛用于加工中心、数控铣床、镗床、铣床、磨床等机床

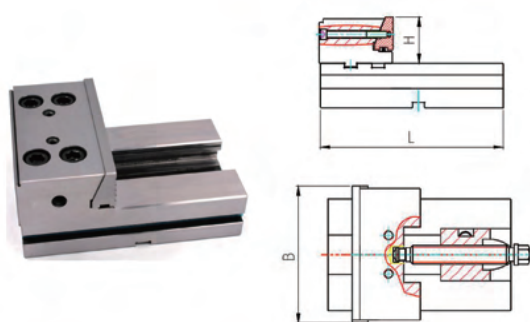
- ★: Produced of high quality steel, carburized to surface hardness: HRC58 ~ 62
- ★: Parallelism 0.005mm/100mm, squareness 0.005mm
- ★: Available for compound clamping. Suitable for unlimited length work
- ★: It is widely used on machining center and other precision machine tools

ZY-00041-Ⅰ 动钳组件 MOVABLE JAW SECTION



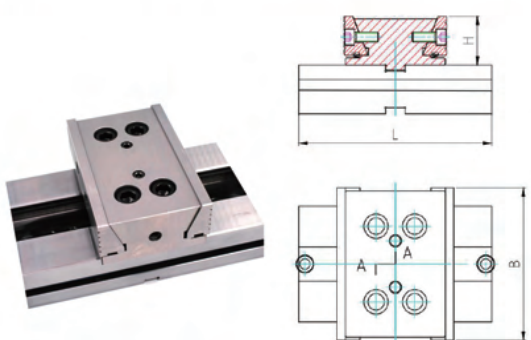
订单号 Order No.	Lmm	Bmm	Hmm
ZQ84100-Ⅰ	140	100	30
ZQ84125-Ⅰ	160	125	40
ZQ84150-Ⅰ	230	150	50
ZQ84175-Ⅰ	240	175	60
ZQ84200-Ⅰ	300	200	65

ZY-00041-Ⅱ 定钳组件 FLXED JAW SECTION



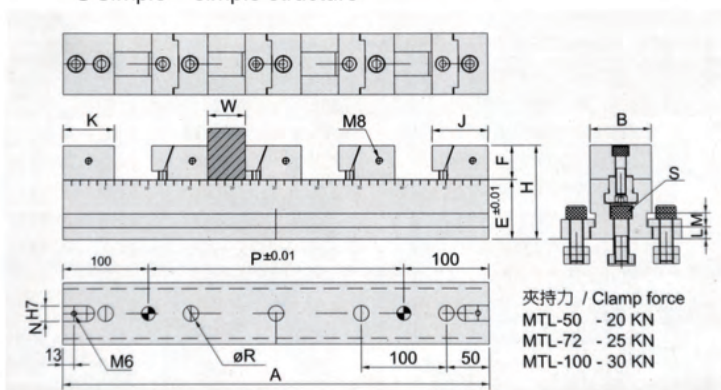
订单号 Order No.	Lmm	Bmm	Hmm
ZQ84100-Ⅱ	140	100	30
ZQ84125-Ⅱ	160	125	40
ZQ84150-Ⅱ	230	150	50
ZQ84175-Ⅱ	240	175	60
ZQ84200-Ⅱ	300	200	65

ZY-00041-Ⅲ 双向定钳组件 DOUBLE FIXED JAW SECTION



订单号 Order No.	Lmm	Bmm	Hmm
ZQ84100-Ⅲ	140	100	30
ZQ84125-Ⅲ	160	125	40
ZQ84150-Ⅲ	230	150	50
ZQ84175-Ⅲ	240	175	60
ZQ84200-Ⅲ	300	200	65

精密平口钳系列
PRECISION VISE SERIES



ZY-00043 MVN 型精密快动平口钳 PRECISION MACHINE VISE

★: 优质合金钢经特殊处理, 工作表面硬度达HRC58 ~ 62,

具有高耐磨性及高抗拉强度

★: 平行度0.01mm/100mm, 垂直度0.01mm

★: 该结构操作简单, 方便, 夹紧快

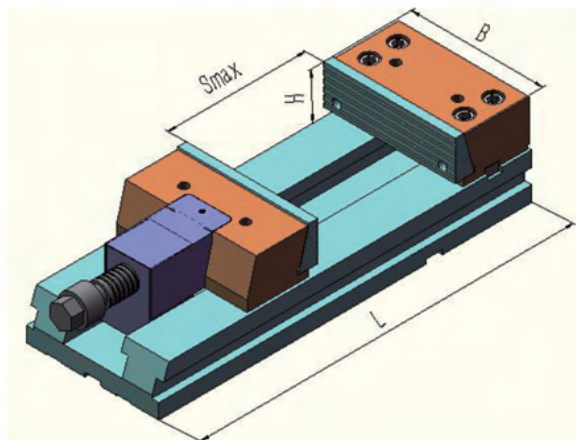
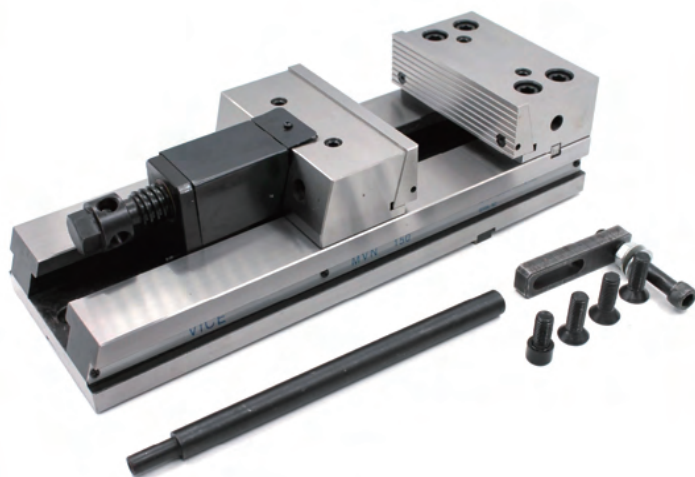
★: 广泛用于加工中心等精密机床

★: high quality alloy steel by special treatment, work surface hardness up to HRC58 ~ 62, with high wear resistance and high tensile strength

★: parallelism 0.01mm/100mm, perpendicularity 0.01mm

★ simple operation, convenient, quick clamping

★ widely used in machining centers and other precision machine



订单号 Order No.	B (mm)	H (mm)	Smax (mm)	L (mm)
MVN125	124	40	140	323
MVN150	149	52	210	423
MVN175	174	58	240	470
MVN200	199	66	270	520
MVN250	249	74	340	600

ZY-0005 ZXQGG 系列精密正弦工具平口钳 PRECISION SINE TOOL VISE

★: 优质合金钢经特殊处理后耐磨性高, 不易变形。

平行度0.005mm/100mm, 垂直度0.005mm

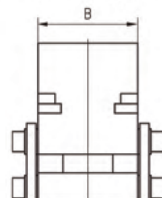
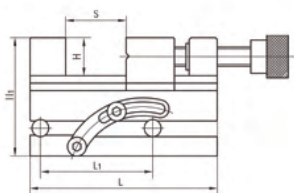
★: 利用正弦原理, 可加工出高精度的角度面

★: 回转角度范围0-45度

★: Made of high-quality alloy steel, after heat, precision ground, parallelism 0.005mm/100mm, squareness 0.005mm

★: Using sine principle, high precision Angle surface can be machined

★: The rotation back Angle ranges from 0-45 degrees



型号	B	H	H ₁	Smax	L	L ₁		调整角度范围
Model No.	mm	mm	mm	mm	mm	mm	in	Adjustable angle range
ZXQGG50	50	25	86.6	60	140	100	4	0 ~ 45°
ZXQGG63	63	32	94.6	85	175		5	
ZXQGG73	73	35	111	90	190			
ZXQGG80	80	40	121	95	200			
ZXQGG88	88	40	125	120	235			
ZXQGG100	100	45	139.2	125	245	200		
ZXQGG125	125	50	154.2	160	285			
ZXQGG150	150	50	160.9	190	330	200	10	

ZY-0006 ZXQKG 系列精密正弦工具平口钳 PRECISION SINE TOOL VISE

★: 优质合金钢经特殊处理后耐磨性高, 不易变形。

平行度0.005mm/100mm, 垂直度0.005mm

★: 利用正弦原理, 可加工出高精度的角度面

★: 回转角度范围0-45度

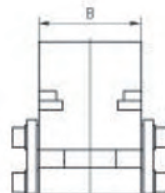
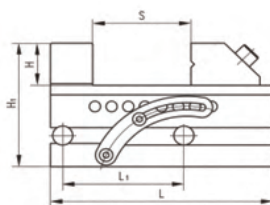
★: 适用于铣床, 钻床, 磨床等机床

★: Made of high-quality alloy steel, after heat, precision ground, parallelism 0.005mm/100mm, squareness 0.005mm

★: Using sine principle, high precision Angle surface can be machined

★: The rotation back Angle ranges from 0-45 degrees

★: Used for precision measurement and in spection precision grinding, EDM and wire-cutting machine



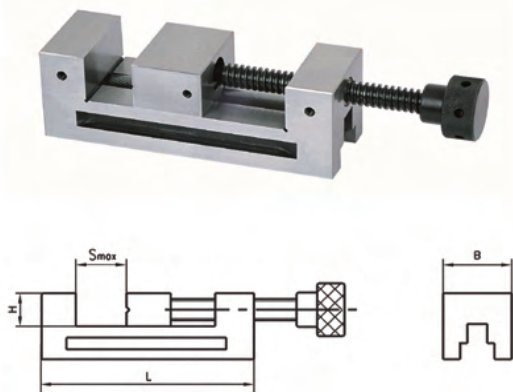
型号 Model No.	B mm	H mm	H ₁ mm	Smax mm	L mm	L ₁		调整角度范围
						mm	in	Adjustable angle range
ZXQKG50	50	25	79.36	65	140	100	4	0 ~ 45°
ZXQKG63	63	32	92.36	85	175		5	
ZXQKG73	73	35	104	100	190			
ZXQKG80	80	40	117	100	200			
ZXQKG88	88	40	122	125	235			
ZXQKG100	100	45	134.08	125	245			
ZXQKG125	125	50	144.08	160	285	200		
ZXQKG150	150	50	150.9	200	330	200	10	

ZY-0007 QGG 系列精密工具平口钳

PRECISION TOOL VISES

- ★: 优质合金钢经特殊处理, 工作表面硬度达HRC58 ~ 62
- ★: 平行度0.005mm/100mm, 垂直度0.005mm
- ★: 夹紧快, 操作灵活, 可用于铣床, 钻床, 磨床等机床
- ★: 无论横立、竖立、平放皆可保持高精密性

- ★: Made of high-quality alloy steel. The hardness of working surface reaches HRC58 ~ 62
- ★: Parallelism 0.005mm/100mm squareness 0.005mm
- ★: Quickly to clamp and easy to operate Used for precision measurement and in spection precision grinding, EDM and wirecutting machine
- ★: Guarantee high accuracy in any position



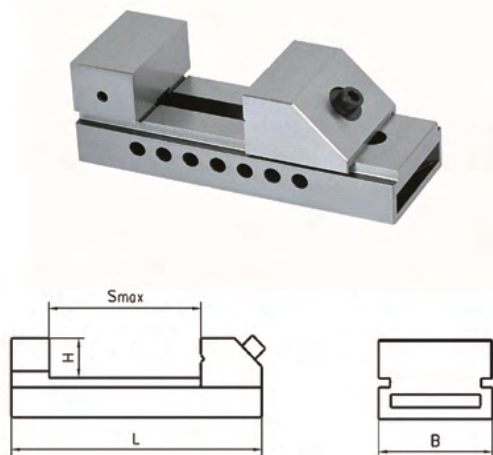
型号 Model No.	B mm	H mm	Smax mm	L mm	重量 Wt(kg)
QGG50	50	25	65	155	3.0
QGG60	60	25	55	110	2.4
QGG63	63	32	85	190	3.8
QGG73	73	35	100	210	5.0
QGG80	80	40	100	220	6.5
QGG88	88	40	125	250	11.0
QGG100	100	45	125	260	13.0
QGG125	125	50	160	300	19.5
QGG125A	125	50	210	350	23.0
QGG150	150	50	175	315	23.8

ZY-0008 QKG 系列精密工具平口

PRECISION TOOL VISES

- ★: 优质合金钢经特殊处理, 工作表面硬度达HRC58 ~ 62
- ★: 平行度0.005mm/100mm, 垂直度0.005mm
- ★: 夹紧快, 操作灵活, 可用于铣床, 钻床, 磨床等机床
- ★: 无论横立、竖立、平放皆可保持高精密性

- ★: Made of high-quality alloy steel. The hardness of working surface reaches HRC58 ~ 62
- ★: Parallelism 0.005mm/100mm squareness 0.005mm
- ★: Quickly to clamp and easy to operate Used for precision measurement and in spection precision grinding, EDM and wirecutting machine
- ★: Guarantee high accuracy in any position

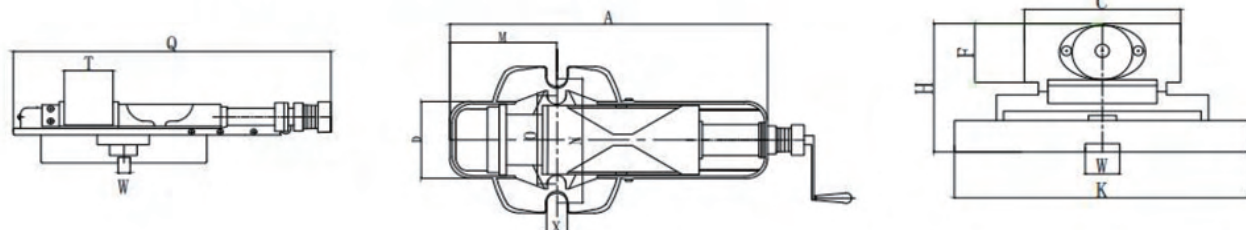


型号 Model No.	B mm	H mm	Smax mm	L mm	重量 Wt(kg)
QKG25	26	9.15	22	65.4	0.5
QKG36	36	20	40	100	1.2
QKG38	38	20	44	105	1.3
QKG50	50	25	65	140	2.0
QKG63	63	32	85	175	3.0
QKG73	73	35	100	190	4.1
QKG80	80	40	100	200	5.5
QKG88	88	40	125	235	7.3
QKG100	100	45	125	245	10.0
QKG125	125	50	160	285	18.0
QKG150	150	50	200	330	21.5
QKG150A	150	50	250	380	23.0
QKG150B	150	50	300	430	24.0

ZY-0009 机械式/油压钳 MECHANICAL/PRESSURE VISE

- ★:机械式/油压可单独使用，亦可合并使用。油压夹紧力大且稳定，适合重切削精密加工。
- ★:滑动导轨面经高频淬火HRC45以上，可保持长久耐磨性及精度。
- ★:主要部件采用球墨铸铁加工（QT600-3），抗张力强，耐磨性高，不易变形。

- ★:Mechanical/oil pressure can be used alone or in combination. Hydraulic clamping force is large and stable, suitable for heavy cutting precision machining.
- ★:Guide hardened above HRC45 for wear-resistance.
- ★:The main parts are ball - ground cast iron, with strong tensile strength, high wear resistance and not easy deformation.



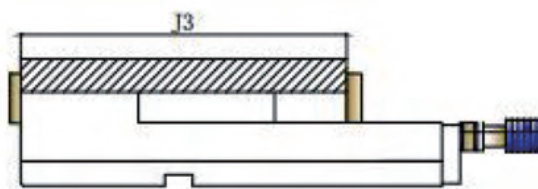
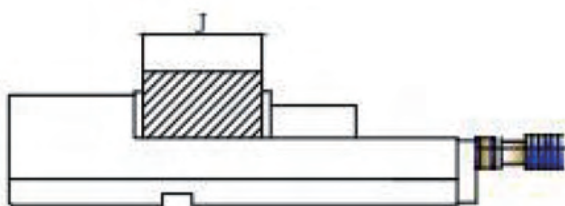
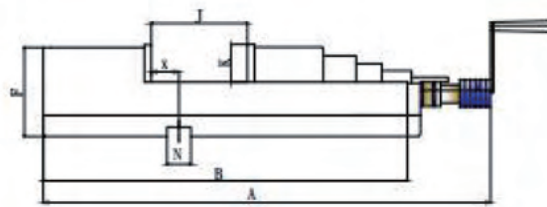
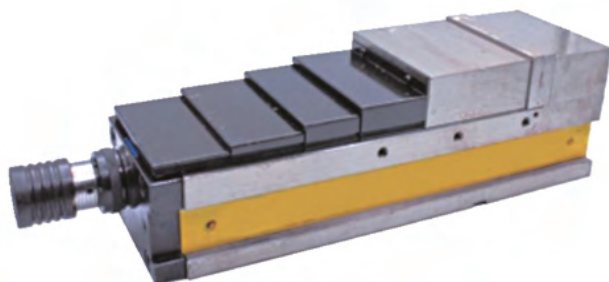
型号	A	C	D	F	H	K	M	N	O	Q	T
Model No.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
WYQ-130	505	130	170	55	163	290	180	250	160	570/795	220
WYQ-160	625	160	205	58	179	340	208	300	196	640/940	300
WYQ-200	700	200	240	63	205	400	265	360	240	725/1035	300
WYQ-250	810	250	290	80	238	460	320	410	270	815/1155	340

型号	W	X	行程开口	极限油压夹紧力
Model No.	mm	mm	mm	Limit. Pressure
WYQ-130	16	18	0-75/70-150/145-225	41KN
WYQ-160	16	18	0-110/100-210/200-310	52KN
WYQ-200	18	22	0-110/100-210/200-310	72KN
WYQ-250	18	22	0-115/110-230/225-345	82KN

ZY-0010 角固式/肯倍得式精密油压虎钳 ANGLE-SOLID/KENBEID PRECISION HYDRAULIC VISE

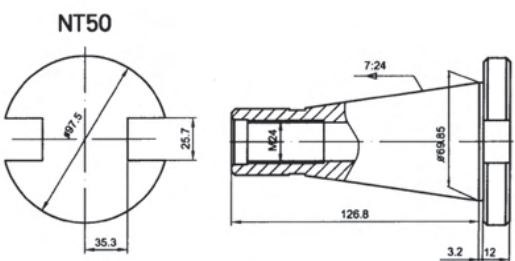
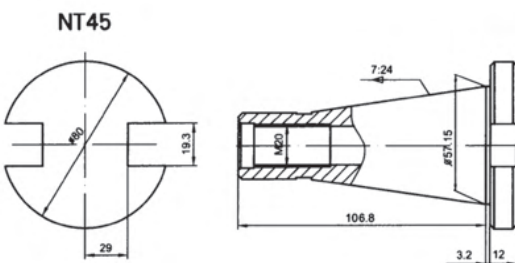
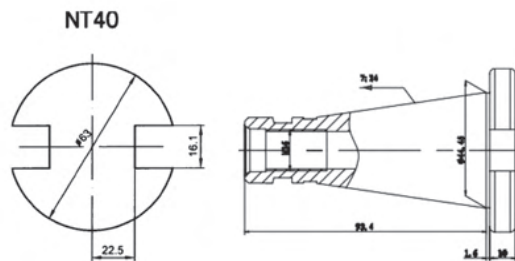
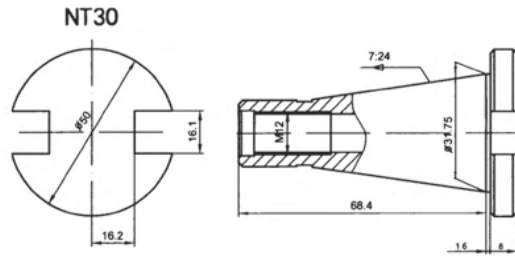
- ★:角固式/肯倍得式精密油压虎钳，夹紧力大且稳定，适合重切削精密加工。
- ★:角固式半圆球可产生角固下锁之力，此力可消除钳口上浮和工件倾斜。
- ★:主要部件采用球墨铸铁加工（QT600-3），抗张力强，不易变形。
- ★:采用防屑设计，加工铁屑不易进入内部

- ★:Angle – fixed/Kenbeid precise oil – pressure vise with large and stable clamping force, suitable for heavy cutting
- ★:Angular – solid semicircle produces angular – solid downward locking force, which eliminates the upward lift of the clamp and the tilting of the workpiece.
- ★:The main parts are ball – ground cast iron, with strong tensile strength, high wear resistance and not easy deformation.
- ★:Scraps protection design

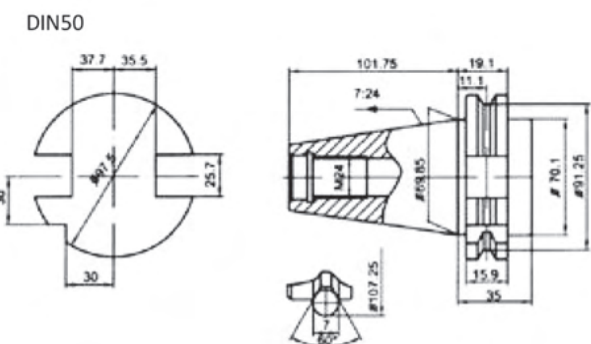
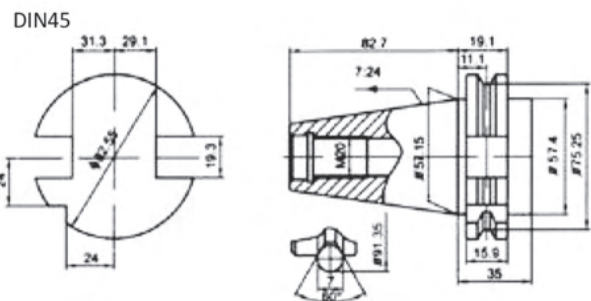
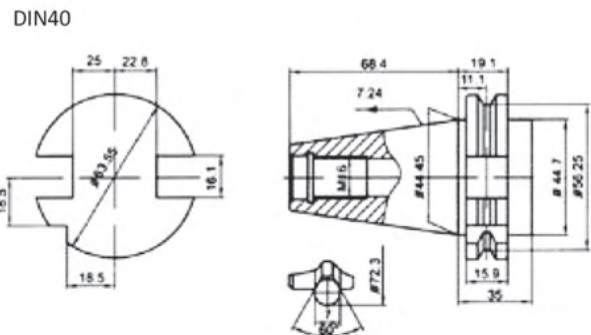
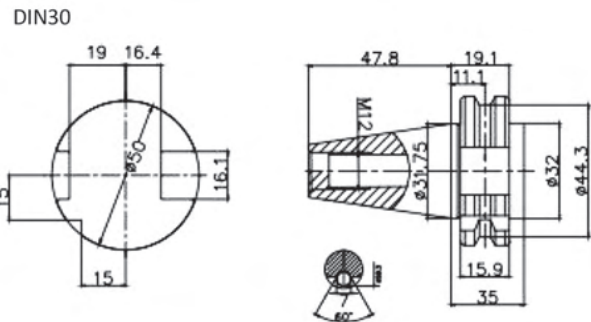


型号	A	B	F	J	J3	K	N	X	夹紧力
Model No.	mm	mm	mm	mm	mm	mm	mm	mm	Clamping force
YQ-100	475	340	133	0-125	125-320	48	16	45	36KN
YQ-130	540	405	150	0-180	180-380	55	18	65	46KN
YQ-160	630	495	163	0-240	240-470	58	18	65	56KN
YQ-200	705	570	173	0-280	280-540	63	18	82	71KN

德国 Germany DIN 2080-A NT

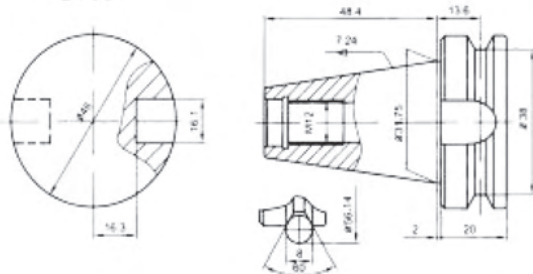


德国 Germany DIN 69871

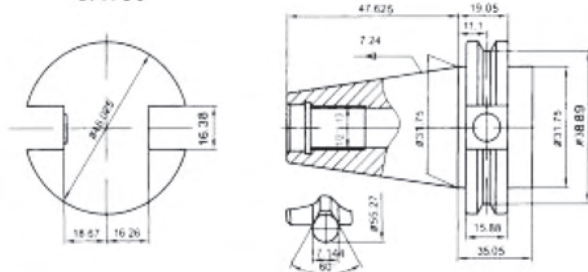


日本 Japan MAS 403 BT

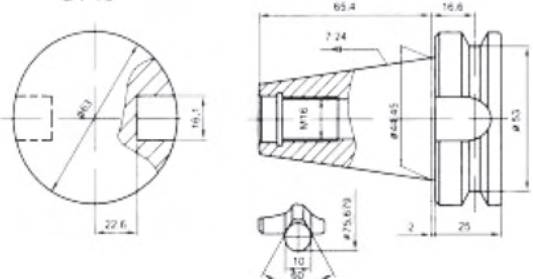
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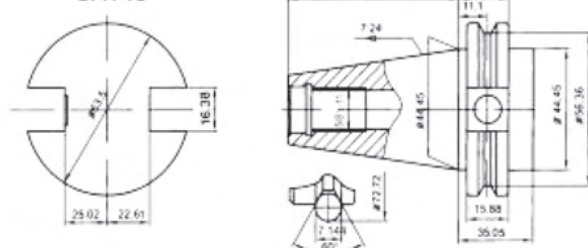
CAT30



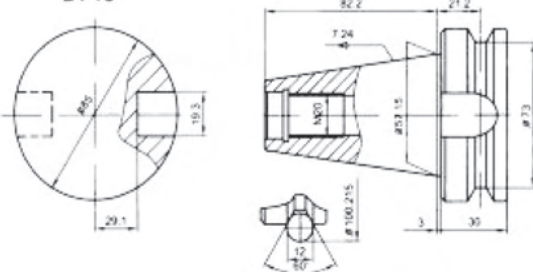
BT40



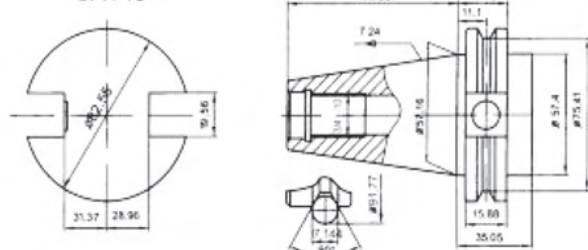
CAT40



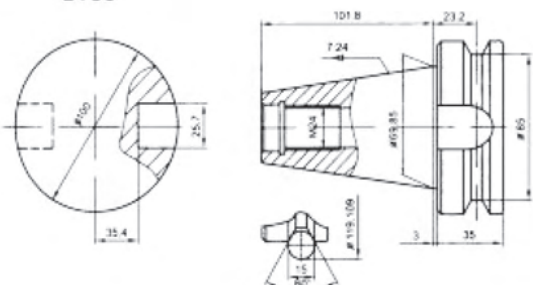
BT45



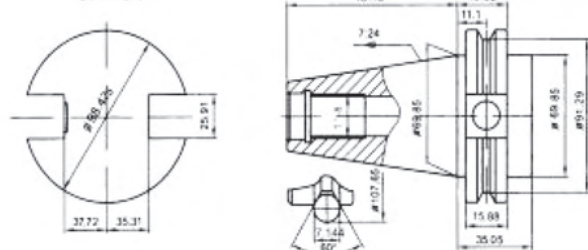
CAT45



BT50

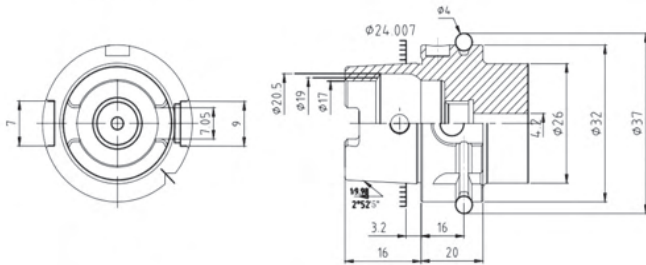


CAT50

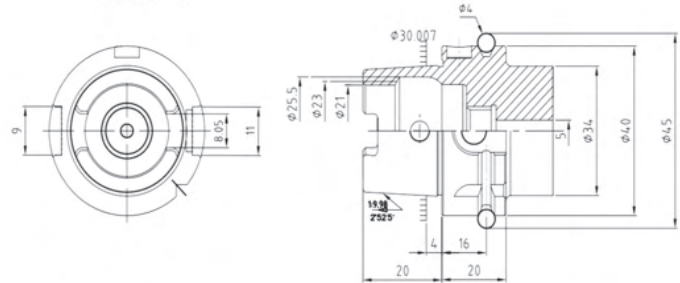


德国 Germany DIN 69893 A

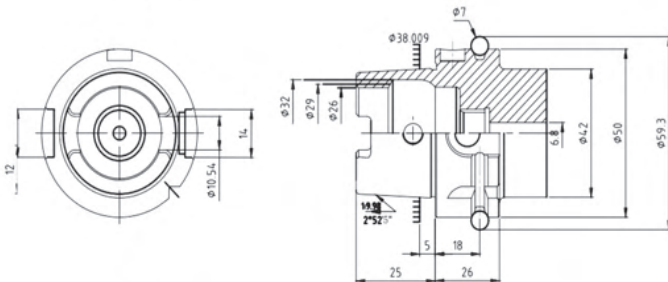
HSK32 A



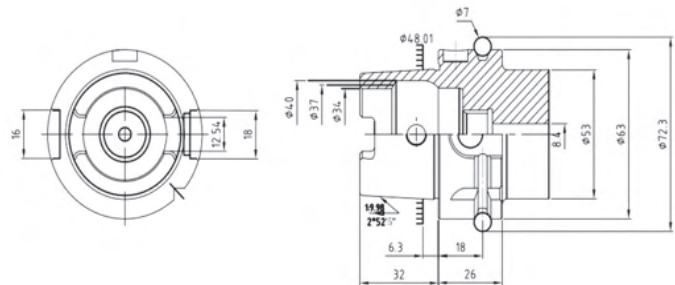
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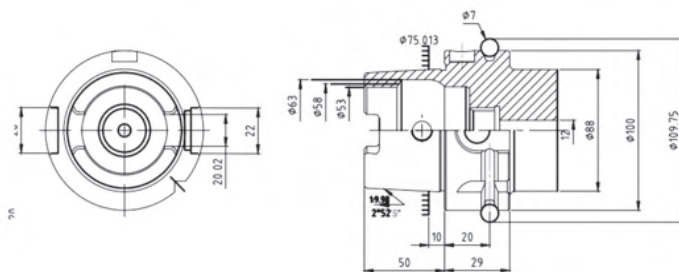
HSK50 A



HSK63A

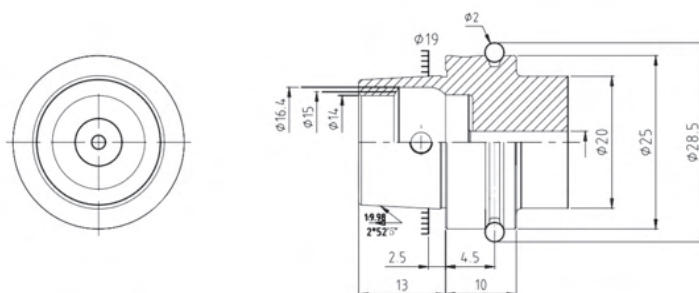


HSK100 A

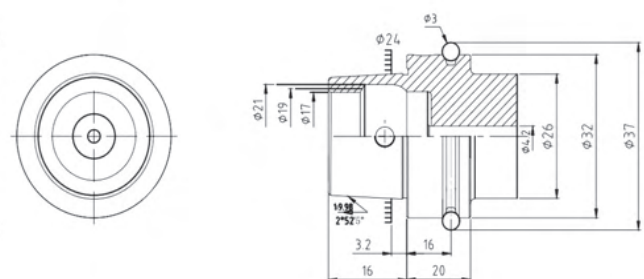


德国 Germany DIN 69893 E

HSK25 E

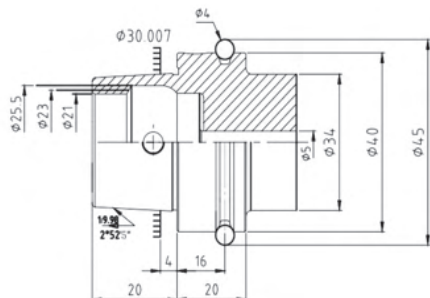


HSK32 E

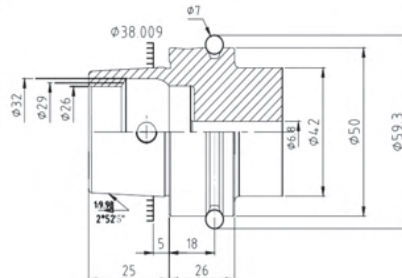


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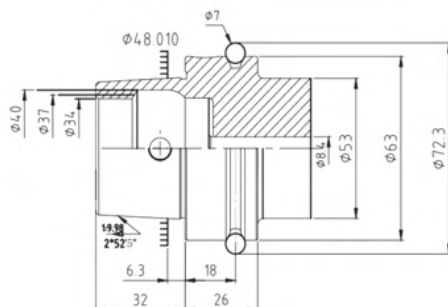
DIN HSK40 E



DIN HSK50 E

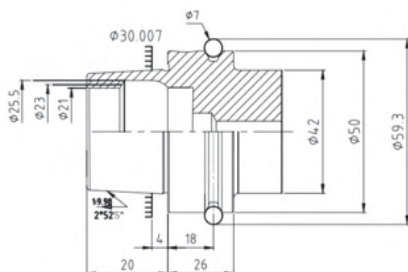


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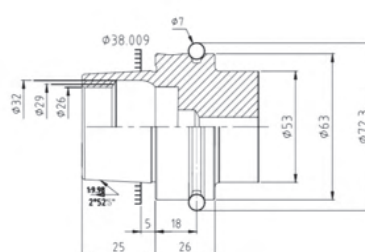


德国 Germany DIN 69893 F

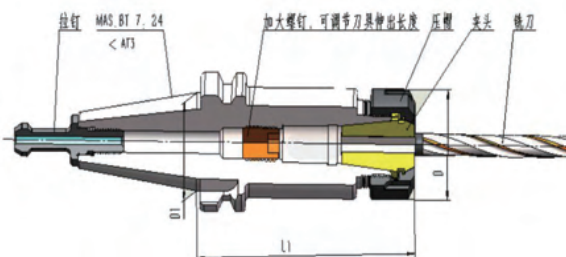
DIN HSK50 F



DIN HSK63 F



ZY-10002 BT 锥数控铣夹头刀柄 MILLING CHUCK ARBORS

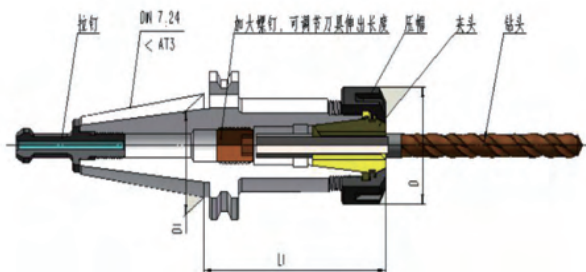


- ★:刀柄采用进口高强度材质, 经特殊处理后产品具有高耐磨性
- ★:用于加工中心或数控机床的专用刀柄
- ★:订购时需注明刀柄标型号。如需中心进水与法兰盘侧面进水冷却的刀柄, 请标明AD/B型, 如BT40AD/BxER32-70
- ★:使用时夹头必须先装入压帽, 再装入刀具, 然后锁固入刀柄体
- ★:可提供动平衡刀柄, 动平衡标准精度为G6.3/12000rpm, 精密精度为G2.5/20000rpm, 订购时请注明

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★: Special tool holder for machining center or CNC machine
- ★:When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- ★:First put the collet into the nut, then the drill bit into collet, and finally tighten the nut to lock the holder
- ★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型 号 Model No. BT X ER-L1	D mm	D1 mm	型 号 Model No. BT X ER-L1	D mm	D1 mm
BT30 × ER16-70	28	31.75	BT45 × ER25-70	42	57.15
BT30 × ER20-70	34	31.75	BT45 × ER25-100	42	57.15
BT30 × ER25-70	42	31.75	BT45 × ER32-70	50	57.15
BT30 × ER32-70	50	31.75	BT45 × ER32-100	50	57.15
BT30 × ER40-80	63	31.75	BT45 × ER32-120	50	57.15
BT40 × ER16-70	28	44.45	BT45 × ER40-80	63	57.15
BT40 × ER20-70	34	44.45	BT45 × ER40-100	63	57.15
BT40 × ER20-100	34	44.45	BT45 × ER40-120	63	57.15
BT40 × ER20-150	34	44.45	BT50 × ER16-70	28	69.85
BT40 × ER25-60	42	44.45	BT50 × ER16-90	28	69.85
BT40 × ER25-70	42	44.45	BT50 × ER20-70	34	69.85
BT40 × ER25-100	42	44.45	BT50 × ER20-150	34	69.85
BT40 × ER25-150	42	44.45	BT50 × ER25-70	42	69.85
BT40 × ER32-70	50	44.45	BT50 × ER32-70	50	69.85
BT40 × ER32-100	50	44.45	BT50 × ER32-80	50	69.85
BT40 × ER32-150	50	44.45	BT50 × ER32-100	50	69.85
BT40 × ER40-70	63	44.45	BT50 × ER32-120	50	69.85
BT40 × ER40-80	63	44.45	BT50 × ER40-80	63	69.85
BT40 × ER40-150	63	44.45	BT50 × ER40-100	63	69.85
BT40 × ER50-100	78	44.45	BT50 × ER40-120	63	69.85

ZY—10004 DIN69871 数控铣夹头刀柄 MILLING CHUCK ARBORS



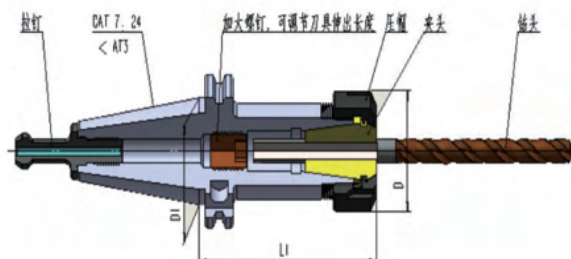
- ★: 刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★: 用于加工中心或数控机床的专用刀柄
- ★: 订购时请注明刀柄的标准形式。如需中心进水与法兰盘侧面进水冷却的刀柄，请标明AD/B型，如 DIN69871.40AD/B × ER32-70
- ★: 使用时夹头必须先装入压帽，再装入刀具，接着锁固入刀柄体
- ★: 根据需要可提供动平衡刀柄，动平衡标准精度为 G6.3/12000rpm，精密精度为 G2.5/20000rpm，订购时请注明

- ★: The holder is made of imported high strength material and has high wear resistance after special treatment
- ★: Special tool holder for machining center or CNC machine
- ★: When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- ★: First put the collet into the nut, then the drill bit into collet, and finally tighten the nut to lock the holder
- ★: According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型 号 Model No.	D	D1	型 号 Model No.	D	D1
DIN69871.AXER-L1	mm	mm	DIN69871.AXER-L1	mm	mm
DIN69871.A30 × ER11-70	19	31.75	DIN69871.A40 × ER40-80	63	44.45
DIN69871.A30 × ER16-63	28	31.75	DIN69871.A40 × ER40-100	63	44.45
DIN69871.A30 × ER20-63	34	31.75	DIN69871.A40 × ER40-150	63	44.45
DIN69871.A30 × ER25-63	42	31.75	DIN69871.A40 × ER50-100	78	44.45
DIN69871.A40 × ER11-100	19	44.45	DIN69871.A50 × ER16-70	28	69.85
DIN69871.A40 × ER16-63	28	44.45	DIN69871.A50 × ER16-100	28	69.85
DIN69871.A40 × ER16-70	28	44.45	DIN69871.A50 × ER20-70	34	69.85
DIN69871.A40 × ER16-100	28	44.45	DIN69871.A50 × ER20-100	34	69.85
DIN69871.A40 × ER20-70	34	44.45	DIN69871.A50 × ER25-70	42	69.85
DIN69871.A40 × ER20-100	34	44.45	DIN69871.A50 × ER25-100	42	69.85
DIN69871.A40 × ER25-50	42	44.45	DIN69871.A50 × ER25-150	42	69.85
DIN69871.A40 × ER25-70	42	44.45	DIN69871.A50 × ER32-80	50	69.85
DIN69871.A40 × ER25-100	42	44.45	DIN69871.A50 × ER32-100	50	69.85
DIN69871.A40 × ER25-150	42	44.45	DIN69871.A50 × ER40-80	63	69.85
DIN69871.A40 × ER32-70	50	44.45	DIN69871.A50 × ER40-120	63	69.85
DIN69871.A40 × ER32-100	50	44.45	DIN69871.A50 × ER50-100	78	69.85
DIN69871.A40 × ER32-150	50	44.45	DIN69871.A50 × ER50-150	78	69.85

ZY—10006 CAT 锥数控铣夹头刀柄

MILLING CHUCK ARBORS



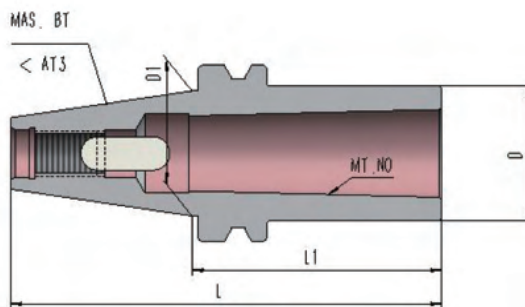
- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:用于加工中心或数控机床的专用刀柄
- ★:根据需要可提供动平衡刀柄，动平衡标准精度为G6.3/12000rpm，精密精度为G2.5/20000rpm，订购时请注明具体精度
- ★:使用时夹头必须先装入压帽，再装入刀具，接着锁固入刀柄体
- ★:夹头有弹性，止水，刚性攻牙等可供选择

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:Special tool holder for machining centers or CNC machine tools
- ★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.
- ★:First put the collet into the nut, then the drill bit into collet, and finally tighten the nut to lock the holder
- ★:Collet has spring, sealed-up, tapping, etc.

型 号 Model No. CAT X ER-L1	D mm	D1 mm	型 号 Model No. CAT X ER-L1	D mm	D1 mm
CAT40 × ER16-63	28	44.45	CAT40 × ER50-80	78	44.45
CAT40 × ER16-70	28	44.45	CAT40 × ER50-100	78	44.45
CAT40 × ER16-100	28	44.45	CAT50 × ER16-70	28	69.85
CAT40 × ER16-150	28	44.45	CAT50 × ER16-90	28	69.85
CAT40 × ER20-70	34	44.45	CAT50 × ER16-100	28	69.85
CAT40 × ER20-100	34	44.45	CAT50 × ER20-90	34	69.85
CAT40 × ER20-150	34	44.45	CAT50 × ER20-100	34	69.85
CAT40 × ER25-70	42	44.45	CAT50 × ER20-150	34	69.85
CAT40 × ER25-100	42	44.45	CAT50 × ER25-100	42	69.85
CAT40 × ER25-150	42	44.45	CAT50 × ER25-150	42	69.85
CAT40 × ER32-70	50	44.45	CAT50 × ER32-70	50	69.85
CAT40 × ER32-100	50	44.45	CAT50 × ER32-80	50	69.85
CAT40 × ER32-150	50	44.45	CAT50 × ER32-100	50	69.85
CAT40 × ER40-70	63	44.45	CAT50 × ER40-80	63	69.85
CAT40 × ER40-80	63	44.45	CAT50 × ER40-100	63	69.85
CAT40 × ER40-100	63	44.45	CAT50 × ER50-90	78	69.85
CAT40 × ER40-150	63	44.45	CAT50 × ER50-100	78	69.85

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀刀柄系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FEATURE SERIES镗头系列
BORING HEADS SERIES平行快系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10008 BT 锥数控莫氏变径套(扁尾型) MORSE TAPER(WITH TANG)



★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性

★:外锥柄连接于数控机床，内锥连接不同型号的莫氏扁尾钻头和扁尾式莫氏刀杆

★:订购时请注明刀柄的标准形式。如需中心进水与法兰盘侧面进水冷却的刀柄，请标明AD/B型，如BT40AD/B x MTA3-75

★:根据需要可提供动平衡刀柄，动平衡标准精度为G6.3/12000rpm，精密精度为G2.5/20000rpm，订购时请注明具体精度

★:The holder is made of imported high strength material and has high wear resistance after special treatment

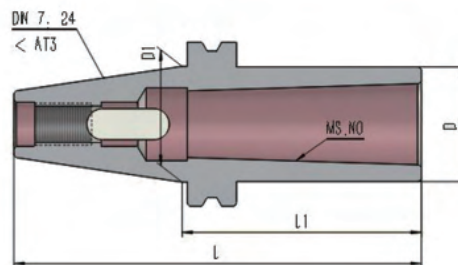
★:The outer taper shank is connected to the CNC machine , and the inner taper shank is connected to different types of MT bit and MT arbor with flat tail

★:When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.

★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型号 Model No. BT x MT.NO.-L1	L mm	D mm	D1 mm	重量 Wt(kg)
BT30 x MTA1-45	93.4	25	31.75	0.55
BT30 x MTA2-60	108.4	32	31.75	0.90
BT30 x MTA3-80	128.4	40	31.75	0.90
BT40 x MTA1-45	110.4	25	44.45	1.20
BT40 x MTA2-50	115.4	32	44.45	1.55
BT40 x MTA2-60	125.4	32	44.45	1.65
BT40 x MTA3-70	135.4	40	44.45	1.80
BT40 x MTA4-90	155.4	48	44.45	2.30
BT40 x MTA4-95	160.4	48	44.45	2.40
BT40 x MTA4-165	230.4	48	44.45	2.65
BT45 x MTA1-120	202.8	25	57.15	1.90
BT45 x MTA2-120	202.8	32	57.15	2.30
BT45 x MTA3-120	202.8	40	57.15	2.40
BT50 x MTA1-50	151.8	25	69.85	4.10
BT50 x MTA2-50	151.8	32	69.85	4.00
BT50 x MTA2-60	161.8	32	69.85	4.20
BT50 x MTA2-135	236.8	32	69.85	4.30
BT50 x MTA3-65	166.8	40	69.85	4.20
BT50 x MTA3-135	236.8	40	69.85	4.40
BT50 x MTA3-150	251.8	40	69.85	4.68
BT50 x MTA4-95	196.8	48	69.85	5.00
BT50 x MTA5-105	206.8	63	69.85	5.00

ZY-10010 DIN69871 数控莫氏变径套(扁尾型) MORSE TAPER (WITH TANG)

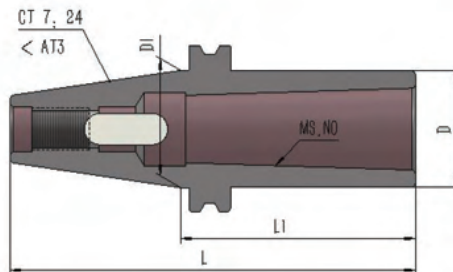


- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:外锥柄连接于数控机床，内锥连接不同型号的莫氏扁尾钻头和扁尾式莫氏刀杆
- ★:订购时请注明刀柄的标准形式。如需中心进水与法兰盘侧面进水冷却的刀柄，请标明AD/B型，如DIN69871.40AD/B × MT3-75
- ★:根据需要可提供动平衡刀柄，标准精度为G6.3/12000rpm，精密精度为G2.5/20000rpm，订购时请注明具体精度

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The outer taper shank is connected to the CNC machine , and the inner taper shank is connected to different types of MT bit and MT arbor with flat tail
- ★:When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- ★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型 号 Model No. DIN69871.A × MT.NO.-L1	L mm	D mm	D1 mm	重 量 Wt(kg)
DIN69871.A30 × MTA1-50	97.8	25	31.75	0.55
DIN69871.A30 × MTA2-60	107.8	32	31.75	0.80
DIN69871.A30 × MTA3-80	127.8	40	31.75	0.85
DIN69871.A40 × MTA1-45	113.4	25	44.45	1.20
DIN69871.A40 × MTA1-50	118.4	25	44.45	1.30
DIN69871.A40 × MTA2-50	118.4	32	44.45	1.50
DIN69871.A40 × MTA3-70	138.4	40	44.45	1.80
DIN69871.A40 × MTA4-95	163.4	48	44.45	2.40
DIN69871.A50 × MTA1-45	146.75	25	69.85	4.05
DIN69871.A50 × MTA2-60	161.75	32	69.85	4.40
DIN69871.A50 × MTA3-65	166.75	40	69.85	4.50
DIN69871.A50 × MTA4-95	196.75	48	69.85	4.90
DIN69871.A50 × MTA5-120	221.75	61	69.85	5.10
DIN69871.A50 × MTA5-105	206.75	61	69.85	5.15

ZY-10012 CAT 数控莫氏变径套(扁尾型) MORSE TAPER (WITH TANG)

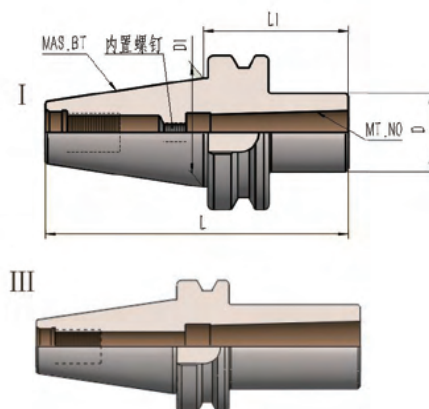
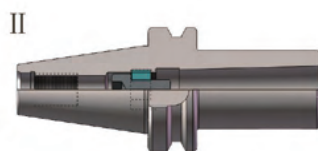


- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:外锥柄连接于数控机床，内锥连接不同型号的莫氏扁尾钻头和扁尾式莫氏刀杆
- ★:根据需要可提供动平衡刀柄，动平衡标准精度为G6.3/12000rpm，精密精度为G2.5/20000rpm，订购时请注明精度

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★: The outer taper shank is connected to the CNC machine , and the inner taper shank is connected to different types of MT bit and MT arbor with flat tail
- ★: According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型 号 Model No. CAT × MT.NO.-L1	L mm	D mm	D1 mm	重 量 Wt(kg)
CAT40 × MTA1-45	113.25	25	44.45	1.30
CAT40 × MTA2-63	131.25	32	44.45	1.70
CAT40 × MTA3-75	143.25	40	44.45	2.00
CAT40 × MTA4-100	168.25	48	44.45	2.50
CAT45 × MTA1-40	122.55	25	57.15	2.70
CAT45 × MTA2-50	132.55	32	57.15	3.80
CAT45 × MTA3-73	155.55	40	57.15	4.20
CAT45 × MTA4-95	177.55	48	57.15	4.60
CAT45 × MTA5-125	207.55	61	57.15	5.50
CAT50 × MTA1-40	141.6	25	69.85	4.00
CAT50 × MTA2-50	151.6	32	69.85	4.00
CAT50 × MTA2-135	236.6	32	69.85	5.00
CAT50 × MTA3-63	164.6	40	69.85	4.50
CAT50 × MTA3-150	251.6	40	69.85	5.50
CAT50 × MTA4-85	186.6	48	69.85	4.80
CAT50 × MTA5-105	206.6	61	69.85	5.20

ZY-10014 BT 锥数控莫氏变径套(后拉型) MORSE TAPER(WITH DRAWBAR)



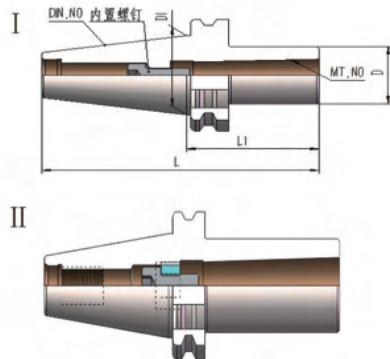
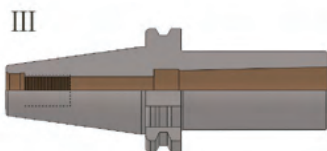
- ★:示意图1所示的刀柄使用时需安装内六角螺钉
- ★:示意图2所示的刀柄使用时需安装内六角螺钉及螺纹套
- ★:示意图3所示的刀柄使用时无内六角螺钉
- ★:订购时请注明刀柄的标准形式。如需中心进水与法兰盘侧面进水冷却的刀柄, 请标明AD/B型, 如 BT40AD/B x MTB3-75
- ★:根据需要可提供动平衡刀柄, 动平衡标准精度为 G6.3/12000rpm, 精密精度为 G2.5/20000rpm, 订购时请注明。

- ★:Note:1. See figure 1, when the arbor being used, it is necessary to fix inner hex screw.
- ★:See figure 2, when the arbor bein used, it is necessary to fix standard knob, please note when order it.
- ★:See figure 3, when the arbor being used, it is necessary to fix extension knob, please onte when order it.
- ★:When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- ★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型 号 Model No. BT x MT.NO.-L1	L mm	D mm	D1 mm	示意图Figure
BT40 x MTB1-45	110.4	25	44.45	I
BT40 x MTB2-60	125.4	32	44.45	I
BT40 x MTB3-75	140.4	40	44.45	II
BT40 x MTB3-90	155.4	40	44.45	II
BT40 x MTB4-100	165.4	48	44.45	II
BT50 x MTB1-45	146.8	25	69.85	I
BT50 x MTB2-60	161.8	32	69.85	I
BT50 x MTB3-60	161.8	40	69.85	I
BT50 x MTB3-75	176.8	40	69.85	I
BT50 x MTB4-100	201.8	48	69.85	II
BT50 x MTB5-105	206.8	63	69.85	III
BT50 x MTB5-120	221.8	63	69.85	II

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀杆系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FEATURE SERIES镗头系列
BORING HEADS SERIES平行快系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10016 DIN69871 数控莫氏变径套(后拉型) MORSE TAPER(WITH DRAWBAR)



★:示意图1所示的刀柄使用时需安装内六角螺钉

★:示意图2所示的刀柄使用时需安装内六角螺钉及螺纹套

★:示意图3所示的刀柄使用时无需内六角螺钉

★:订购时请注明刀柄的标准形式。如需中心进水与法兰盘侧面进水冷却的刀柄, 请标明AD/B型, 如 DIN69871.40AD/ B x MTB3-70

★:根据需要可提供动平衡刀柄, 动平衡标准精度为 G6.3/12000rpm, 精密精度为 G2.5/20000rpm, 订购时请注明具体精度

★:Note: 1. See figure 1,when the arbor being used,it is necessary to fix inner hex screw.

★:See figure 2,when the arbor bein used,it is necessary to fix standard knob,please note when order it.

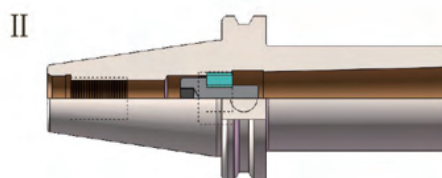
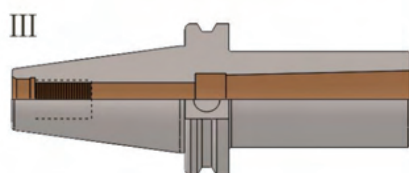
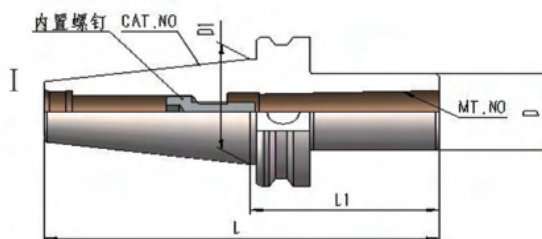
★:See figure 3,when the arbor being used,it is necessary to fix extension knob,please onte when order it.

★:When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.

★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型号 ModelNo.	L mm	D mm	D1 mm	示意图Figure
DIN69871.AXMT.NO.-L1				
DIN69871.A40XMTB1-50	118.4	25	44.45	I
DIN69871.A40XMTB2-60	128.4	32		I
DIN69871.A40XMTB3-70	138.4	40		III
DIN69871.A40XMTB3-80	148.4	40		II
DIN69871.A40XMTB3-100	168.4	40		II
DIN69871.A40XMTB4-90	158.4	48		III
DIN69871.A40XMTB4-100	168.4	48		II
DIN69871.A50XMTB1-45	146.8	25	69.85	I
DIN69871.A50XMTB2-45	146.8	32		I
DIN69871.A50XMTB3-150	251.8	40		I
DIN69871.A50XMTB3-80	181.8	40		I
DIN69871.A50XMTB4-80	181.8	48		III
DIN69871.A50XMTB4-90	191.8	48		II
DIN69871.A50XMTB4-100	201.8	48		II
DIN69871.A50XMTB5-100	201.8	61		III
DIN69871.A50XMTB5-120	221.8	61		II

ZY-10018 CAT 锥数控莫氏变径套(后拉型) MORSE TAPER(WITH DRAWBAR)



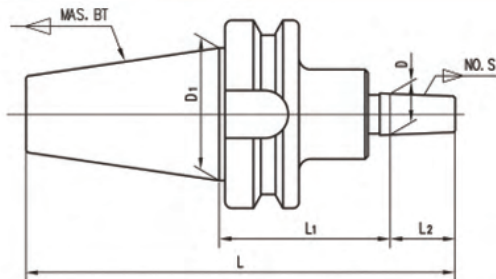
- ★:示意图1所示的刀柄使用时需安装内六角螺钉
- ★:示意图2所示的刀柄使用时需安装内六角螺钉及螺纹套
- ★:示意图3所示的刀柄使用时无需内六角螺钉
- ★:根据需要提供动平衡刀柄, 动平衡标准精度为 G6.3/12000rpm, 精密精度为 G2.5/20000rpm, 订购时请注明精度

- ★:Note: See figure 1,when the arbor being used,it is necessary to fix inner hex screw.
- ★:See figure 2,when the arbor being used,it is necessary to fix standard knob,please note when order it.
- ★:See figure 3,when the arbor being used,it is necessary to fix extension knob,please note when order it.
- ★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型 号 Model No. CAT × MT.NO.-L1	L mm	D mm	D1 mm	示意图Figure
CAT40 × MTB1-45	113.25	25	44.45	I
CAT40 × MTB2-60	128.25	32		I
CAT40 × MTB3-75	143.25	40		II
CAT40 × MTB3-90	158.25	40		II
CAT40 × MTB4-100	168.25	48		II
CAT50 × MTB2-60	161.6	31.75	69.85	I
CAT50 × MTB3-60	161.6	41.28		I
CAT50 × MTB4-90	191.6	50.8		II
CAT50 × MTB5-100	201.6	69.85		III

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀杆系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEXER SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10020 BT 锥数控钻接杆 DRILL CHUCK ARBORS

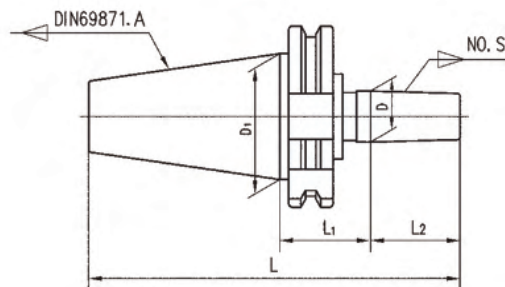


- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:柄部与机床主轴连接，前端与各种内锥式钻夹头联用

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The shank is connected with the spindle of the machine, and the front end is used in conjunction with various internal cone drill chucks

型号 Model No.	L2 mm	L mm	D mm	D1 mm	拉杆 Drawbar thread	重量 Wt(kg)
BT-NO.S-L1						
BT30-J1-45	16.669	110	9.754	31.75	M12	0.60
BT30-J2-45	22.225	115.6	14.199	31.75	M12	0.70
BT30-J3-45	30.956	124.4	20.599	31.75	M12	0.80
BT30-J6-45	25.4	118.8	17.170	31.75	M12	0.75
BT30-J33-45	25.4	118.8	15.850	31.75	M12	0.75
BT30-B10-45	14.5	107.9	10.094	31.75	M12	0.60
BT30-B12-45	18.5	111.9	12.065	31.75	M12	0.60
BT30-B16-45	24	117.4	15.733	31.75	M12	0.70
BT30-B18-45	32	125.4	17.780	31.75	M12	0.82
BT40-J1-45	16.669	127.1	9.754	44.45	M16	1.15
BT40-J2-45	22.225	132.6	14.199	44.45	M16	1.25
BT40-J2S-45	19.05	129.4	13.940	44.45	M16	1.20
BT40-J3-45	30.956	141.4	20.599	44.45	M16	1.45
BT40-J4-45	42.069	152.5	28.550	44.45	M16	1.55
BT40-J5-45	47.625	158	35.890	44.45	M16	1.60
BT40-J6-45	25.4	135.8	17.170	44.45	M16	1.30
BT40-J33-45	25.4	135.8	15.850	44.45	M16	1.30
BT40-B10-45	14.5	124.9	10.094	44.45	M16	1.40
BT40-B10-120	14.5	199.9	10.094	44.45	M16	1.76
BT40-B12-45	18.5	128.9	12.065	44.45	M16	1.34
BT40-B16-32	24	121.4	15.733	44.45	M16	1.40
BT40-B16-45	24	134.4	15.733	44.45	M16	1.45
BT40-B16-75	24	164.4	15.733	44.45	M16	1.55
BT40-B16-90	24	179.4	15.733	44.45	M16	1.40
BT40-B18-45	32	142.4	17.780	44.45	M16	1.70
BT40-B18-75	32	172.4	17.780	44.45	M16	1.76
BT50-J1-45	16.669	163.5	9.754	69.85	M24	3.60
BT50-J2-45	22.225	169	14.199	69.85	M24	3.95
BT50-J2S-45	19.05	165.9	13.940	69.85	M24	3.90
BT50-J3-45	30.956	177.8	20.599	69.85	M24	3.70
BT50-J4-45	42.069	188.9	28.550	69.85	M24	3.75
BT50-J5-45	47.625	194.4	35.890	69.85	M24	3.80
BT50-J6-45	25.4	172.2	17.170	69.85	M24	4.00
BT50-J33-45	25.4	172.2	15.850	69.85	M24	4.00
BT50-B10-45	14.5	161.3	10.094	69.85	M24	3.60
BT50-B10-100	14.5	216.3	10.094	69.85	M24	3.80
BT50-B12-45	18.5	165.3	12.065	69.85	M24	3.60
BT50-B16-45	24	170.8	15.733	69.85	M24	3.65
BT50-B16-60	24	185.8	15.733	69.85	M24	3.70
BT50-B16-75	24	200.8	15.733	69.85	M24	3.74
BT50-B16-90	24	215.8	15.733	69.85	M24	3.78
BT50-B18-45	32	178.8	17.780	69.85	M24	3.70

ZY-10022 DIN 锥数控钻接杆 DRILL CHUCK ARBORS



★:刀柄采用进口高强度材质, 经特殊处理后产品具有高耐磨性

★:柄部与机床主轴连接, 前端与各种内锥式钻夹头联用

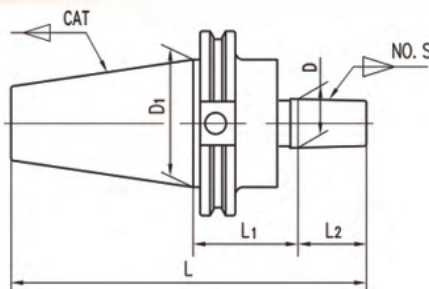
★:The holder is made of imported high strength material and has high wear resistance after special treatment

★:The shank is connected with the spindle of the machine, and the front end is used in conjunction with various internal cone drill chucks

型 ModelNo. DIN69871.A-NO.S-L1	L2 mm	L mm	D mm	D1 mm	拉杆 Drawbar thread
DIN69871.A40-J0-32	11.112	111.5	6.35	44.45	M16
DIN69871.A40-J1-32	16.669	117	9.754	44.45	M16
DIN69871.A40-J2-32	22.225	122.6	14.199	44.45	M16
DIN69871.A40-J2S-32	19.05	119.5	13.940	44.45	M16
DIN69871.A40-J3-32	30.956	131.4	20.599	44.45	M16
DIN69871.A40-J4-32	42.069	142.5	28.550	44.45	M16
DIN69871.A40-J5-32	47.625	148	35.890	44.45	M16
DIN69871.A40-J6-32	25.4	125.8	17.170	44.45	M16
DIN69871.A40-J33-32	25.4	125.8	15.850	44.45	M16
DIN69871.A40-B6-32	10	110.4	6.35	44.45	M16
DIN69871.A40-B10-32	14.5	114.9	10.094	44.45	M16
DIN69871.A40-B10-45	14.5	127.9	10.094	44.45	M16
DIN69871.A40-B12-32	18.5	118.9	12.065	44.45	M16
DIN69871.A40-B12-80	18.5	166.9	12.065	44.45	M16
DIN69871.A40-B16-26	24	118.4	15.733	44.45	M16
DIN69871.A40-B16-32	24	124.4	15.733	44.45	M16
DIN69871.A40-B16-45	24	137.4	15.733	44.45	M16
DIN69871.A40-B18-32	32	132.4	17.780	44.45	M16
DIN69871.A40-B18-45	32	145.4	17.780	44.45	M16
DIN69871.A40-B22-32	40.5	140.9	21.793	44.45	M16
DIN69871.A40-B24-32	50.5	150.9	23.825	44.45	M16
DIN69871.A50-B16-45	24	170.75	15.733	69.85	M24
DIN69871.A50-J3-45	30.965	177.7	20.599	69.85	M24
DIN69871.A50-J6-45	25.4	172.1	17.170	69.85	M24
DIN69871.A50-J33-45	25.4	172.1	15.850	69.85	M24
DIN69871.A50-B16-45	24	170.8	15.733	69.85	M24
DIN69871.A50-B18-45	32	178.8	17.780	69.85	M24
DIN69871.A50-B22-60	40.5	202.3	21.793	69.85	M24
DIN69871.A50-B24-60	50.5	212.3	23.825	69.85	M24

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀杆系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FUTURE SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10024 CAT 锥数控钻接杆 DRILL CHUCK ARBORS



- ★:采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:柄部与机床主轴连接，前端与各种内锥式钻夹头联用

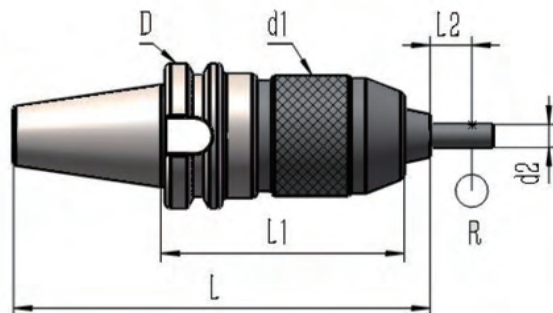
- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The shank is connected with the spindle of the machine, and the front end is used in conjunction with various internal cone drill chucks

型号 Model No. CAT-NO.S-L1	L2 mm	L mm	D mm	D1 mm	拉杆 Drawbar thread
CAT40-J2-45	22.225	135.5	14.199	44.45	5/8"-11
CAT40-J3-45	30.956	144.2	20.599	44.45	5/8"-11
CAT40-J4-45	42.069	155.3	28.55	44.45	5/8"-11
CAT40-J6-45	25.4	138.65	17.17	44.45	5/8"-11
CAT40-J33-45	25.4	138.65	15.85	44.45	5/8"-11
CAT40-B16-45	24	137.25	15.733	44.45	5/8"-11
CAT40-B18-45	32	145.25	17.780	44.45	5/8"-11
CAT45-J1-45	16.669	144.2	9.754	57.15	3/4"-10
CAT45-J2-45	22.225	150	14.199	57.15	3/4"-10
CAT45-J3-45	30.956	158.5	20.599	57.15	3/4"-10
CAT45-J4-45	42.069	169.6	28.55	57.15	3/4"-10
CAT45-J5-45	47.625	175.2	35.89	57.15	3/4"-10
CAT45-J6-45	25.4	153	17.17	57.15	3/4"-10
CAT45-J33-45	25.4	153	15.85	57.15	3/4"-10
CAT45-B10-45	14.5	142	10.094	57.15	3/4"-10
CAT45-B12-45	18.5	146	12.065	57.15	3/4"-10
CAT45-B16-32	24	138.6	15.733	57.15	3/4"-10
CAT45-B16-45	24	151.6	15.733	57.15	3/4"-10
CAT45-B18-45	32	159.6	17.780	57.15	3/4"-10
CAT50-J2-45	22.225	168.85	14.199	69.85	1"-8
CAT50-J3-45	30.956	177.56	20.599	69.85	1"-8
CAT50-J4-45	42.069	188.67	28.55	69.85	1"-8
CAT50-J5-45	47.625	194.23	35.89	69.85	1"-8
CAT50-J6-45	25.4	172	17.17	69.85	1"-8
CAT50-J33-45	25.4	172	15.85	69.85	1"-8
CAT50-B10-45	14.5	161.1	10.094	69.85	1"-8
CAT50-B12-45	18.5	165.1	12.065	69.85	1"-8
CAT50-B16-60	24	185.6	15.773	69.85	1"-8
CAT50-B18-60	32	193.6	17.780	69.85	1"-8
CAT50-B22-60	40.5	202.1	21.793	69.85	1"-8
CAT50-B24-60	50.5	212.1	23.825	69.85	1"-8

ZY-10026 整体式钻夹头 SELF-FASTEN DRILL CHUCK



- ★:刀柄采用进口高强度材质, 经特殊处理后产品具有高耐磨性
- ★:用于加工中心或数控机床的专用刀柄, 前端装配钻夹头



- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:Special tool holder for machining center or CNC machine , front end assembly drill chuck

BT/APU 整体式钻夹头 SELF-FASTEN DRILL CHUCK

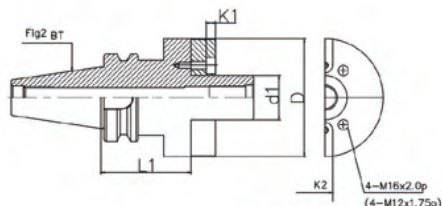
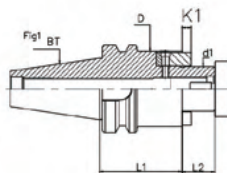
型号 Model No.	L1mm	Lmm	L2mm	Dmm	d1mm	d2mm	R	重量 Wt(kg)
BT30XAPU8-85	85	139.4	55	46	37	8	0.04	0.72
BT30XAPU13-110	110	170.4	75		50	13	0.04	1.85
BT30XAPU16-125	125	185.4	80		57	16	0.04	2.18
BT40XAPU8-90	90	161.4	55	63	37	6	0.04	1.46
BT40XAPU13-100	100	177.4	75		50	13	0.04	2.00
BT40XAPU16-105	105	182.4	80		57	16	0.04	2.33
BT50XAPU8-95	95	202.8	55	100	37	8	0.04	4.16
BT50XAPU13-115	115	228.8	75		50	13	0.04	4.70
BT50XAPU16-120	120	223.8	80		57	16	0.04	5.03

DIN69871/APU 整体式钻夹头 SELF-FASTEN DRILL CHUCK

型号 Model No.	L1 mm	L mm	L2 mm	D mm	d1 mm	d2 mm	R	重量Wt(kg)
DIN69871.30XAPU8-95	95	148.8	55	50	37	8	0.04	0.60
DIN69871.30XAPU13-120	120	179.8	80		50	13	0.04	1.45
DIN69871.30XAPU16-125	125	184.8	80		57	16	0.04	1.78
DIN69871.40XAPU8-75	75	149.4	55	63.55	37	8	0.04	1.46
DIN69871.40XAPU13-100	100	180.4	75		50	13	0.04	2.00
DIN69871.40XAPU16-115	115	195.4	75		57	16	0.04	2.33
DIN69871.50XAPU13-115	115	228.75	75	97.50	50	13	0.04	4.40
DIN69871.50XAPU16-120	120	233.75	80		57	16	0.04	4.73

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀夹头系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEXER SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10028 BT/FMA 平面铣刀杆 BT/FMA SHELL MILL ARBORS



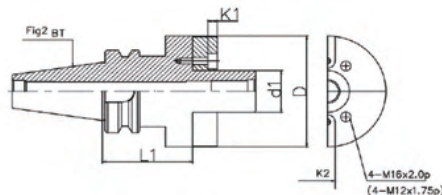
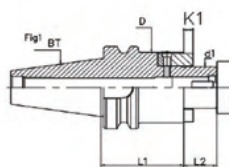
- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:用于加工中心或数控机床的专用刀柄，前端装配刀盘
- ★:订购时请注明刀柄的标准形式。如需中心进水与法兰盘侧面进水冷却的刀柄，请注明AD/B
- ★:根据需要提供动平衡刀柄，动平衡标准精度为G6.3/12000rpm，精密精度为G2.5/20000rpm，订购时请注明具体精度

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:Special tool handle for the processing center or CNC machine's , front end assembly tool
- ★:When order please indicate the hilt the concrete form.If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- ★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型 号 Model No.	L1 mm	L2 mm	D mm	d1 mm	K1 mm	K2 mm	重量 Wt(kg)
BT30 × FMA25.4-63.5	63.5	17.45	57	25.40	4.52	9.53	1.10
BT30 × FMA31.75-45	45	17.45	63	31.75	6.70	12.70	1.35
BT40 × FMA25.4-45	45	17.45	57	25.40	4.52	9.53	1.80
BT40 × FMA25.4-60	60	17.45	57	25.40	4.52	9.53	2.00
BT40 × FMA25.4-90	90	17.45	57	25.40	4.52	9.53	2.60
BT40 × FMA25.4-105	105	17.45	57	25.40	4.52	9.53	2.70
BT40 × FMA31.75-45	45	17.45	63	31.75	6.70	12.70	2.00
BT40 × FMA31.75-75	75	17.45	63	31.75	6.70	12.70	2.70
BT40 × FMA31.75-90	90	17.45	63	31.75	6.70	12.70	2.90
BT40 × FMA38.1-60	60	23.8	80	38.10	8.87	15.88	2.80
BT40 × FMA50.80-60	60	24.4	100	50.80	9.75	19.05	4.00
BT50 × FMA25.4-45	45	17.45	57	25.40	4.52	9.53	4.40
BT50 × FMA25.4-90	90	17.45	57	25.40	4.52	9.53	5.10
BT50 × FMA25.4-150	150	17.45	57	25.40	4.52	9.53	6.10
BT50 × FMA31.75-45	45	17.45	63	31.75	6.70	12.70	4.50
BT50 × FMA31.75-75	75	17.45	63	31.75	6.70	12.70	5.30
BT50 × FMA31.75-105	105	17.45	63	31.75	6.70	12.70	5.70
BT50 × FMA38.10-45	45	25	80	38.10	8.87	15.88	4.80
BT50 × FMA38.10-75	75	25	80	38.10	8.87	15.88	6.00
BT50 × FMA50.80-45	45	36	100	50.80	9.75	19.05	5.70
BT50 × FMA50.80-75	75	36	100	50.80	9.75	19.05	6.80

ZY-10030 BT/FMB 平面铣刀杆

BT/FMB SHELL MILL ARBORS



- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:用于加工中心或数控机床的专用刀柄，前端装配刀盘
- ★:订购时请注明刀柄的标准形式。如需中心进水与法兰盘侧面进水冷却的刀柄，请注明AD/B
- ★:根据需要可提供动平衡刀柄，动平衡标准精度为G6.3/12000rpm，精密精度为G2.5/20000rpm，订购时请注明具体度

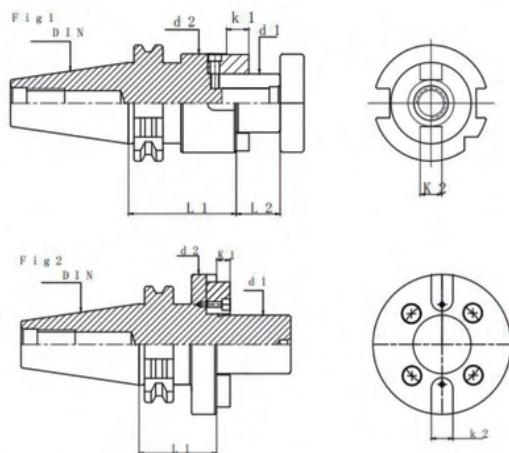
- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:Special tool handle for the processing center or CNC machine's , front end assembly tool
- ★:When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- ★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型号 Model No.	L1 mm	L2 mm	D mm	d1 mm	K1 mm	K2 mm	重量 Wt(kg)
BT30 × FMB16-45	45	16	38	16	4.8	8	0.85
BT30 × FMB22-45	45	18	48	22	4.8	10	0.85
BT30 × FMB27-45	45	20	60	27	5.8	12	1.20
BT30 × FMB27-60	60	20	60	27	5.8	12	1.35
BT30 × FMB27-100	100	20	60	27	5.8	12	1.35
BT30 × FMB32-45	45	22	62	32	6.8	14	1.35
BT40 × FMB22-45	45	18	48	22	4.8	10	1.45
BT40 × FMB22-60	60	18	48	22	4.8	10	1.70
BT40 × FMB22-100	100	18	48	22	4.8	10	2.20
BT40 × FMB27-45	45	20	60	27	5.8	12	1.60
BT40 × FMB27-60	60	20	60	27	5.8	12	2.00
BT40 × FMB27-90	90	20	60	27	5.8	12	2.30
BT40 × FMB27-100	100	20	60	27	6.8	12	2.50
BT40 × FMB32-45	45	22	62	32	6.8	14	1.75
BT40 × FMB32-60	60	22	62	32	8.3	14	2.10
BT40 × FMB40-60	60	25	78	40	4.8	14	2.80
BT50 × FMB22-45	45	18	48	22	4.8	10	4.50
BT50 × FMB22-100	100	18	48	22	4.8	10	5.10
BT50 × FMB27-60	60	20	60	27	5.8	12	7.00
BT50 × FMB27-100	100	20	60	27	5.8	12	8.00
BT50 × FMB27-150	150	20	60	27	5.8	12	7.50
BT50 × FMB32-60	60	22	62	32	6.8	14	9.50
BT50 × FMB32-90	90	22	62	32	6.8	14	11.0
BT50 × FMB40-50	50	25	80	40	8.3	16	5.70
BT50 × FMB40-90	90	25	80	40	8.3	16	5.80
BT50 × FMB40-100	100	25	80	40	8.3	16	5.20
BT50 × FMB40F-90	90	26	110	40	8.3	16	6.00

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀杆系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FUTURE SERIES镗头系列
BORING HEADS SERIES平行快系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10032 DIN69871/FMB 平面铣刀杆

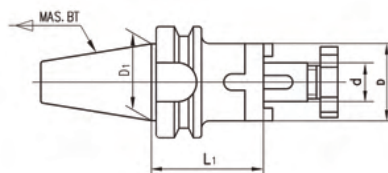
DIN69871/FMB SHELL MILL ARBORS



- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:用于加工中心或数控机床的专用刀柄，前端装配刀盘
- ★:订购时请注明刀柄的标准形式。如需中心进水与法兰盘侧面进水冷却的刀柄，请注明AD/B
- ★:根据需要可提供动平衡刀柄，动平衡标准精度为G6.3/12000rpm，精密精度为G2.5/20000rpm，订购时请注明具体精度

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:Special tool handle for the processing center or CNC machine's , front end assembly tool
- ★:When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- ★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型 号 Model No.	L1 mm	L2 mm	d1 mm	d2 mm	K1 mm	K2 mm	重量 Wt(kg)
DIN69871.A30 × FMB16-45	45	16	16	38	4.8	8	0.60
DIN69871.A30 × FMB22-45	45	18	22	48	4.8	10	1.00
DIN69871.A30 × FMB27-45	45	20	27	60	5.8	12	1.05
DIN69871.A40 × FMB16-45	45	16	16	38	4.8	8	1.10
DIN69871.A40 × FMB22-45	45	18	22	48	4.8	10	1.20
DIN69871.A40 × FMB27-100	100	20	27	60	5.8	12	1.80
DIN69871.A40 × FMB32-45	45	22	32	62	6.8	14	2.30
DIN69871.A40 × FMB40-60	60	25	40	78	8.3	16	2.58
DIN69871.A50 × FMB22-45	45	18	22	48	4.8	10	3.40
DIN69871.A50 × FMB27-45	45	20	27	60	5.8	12	3.50
DIN69871.A50 × FMB40-60	60	25	40	78	8.3	16	4.70
DIN69871.A50 × FMB50-60	60	25	50	90	9.7	18	5.80
DIN69871.A50 × FS40-70	70	25	40	110	8.3	16	5.70
DIN69871.A50 × FS60-70	70	25	60	138	12.5	25.4	5.50

ZY-10034 BT 锥数控混合插入式铣刀杆
COMBI SHELL END MILL ARBORS


- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:用于加工中心或数控机床的专用刀柄，前端连接刀盘，用于铣削
- ★:订购时请注明刀柄的标准形式。如需中心进水与法兰盘侧面进水冷却的刀柄，请标明AD/B型，如BT40AD/Bx32-60
- ★:根据需要可提供动平衡刀柄，动平衡标准精度为G6.3/12000rpm，精密精度为G2.5/20000rpm，订购时请注明具体精度

型号 Model No.BT × d-L1	D	D1	重量 Wt(kg)
BT30 × 16-55	32	31.75	1.00
BT30 × 22-55	40	31.75	1.20
BT30 × 27-55	48	31.75	1.20
BT30 × 32-60	58	31.75	1.50
BT30 × 40-60	70	31.75	2.30
BT40 × 16-55	32	44.45	1.20
BT40 × 16-100	32	44.45	1.50
BT40 × 22-55	40	44.45	1.25
BT40 × 22-100	40	44.45	1.85
BT40 × 27-55	48	44.45	1.50
BT40 × 27-100	48	44.45	2.00
BT40 × 32-60	58	44.45	1.50
BT40 × 32-100	58	44.45	2.30
BT40 × 40-60	70	44.45	2.00
BT40 × 40-100	70	44.45	3.00
BT50 × 16-63	32	69.85	3.60
BT50 × 16-100	32	69.85	4.00
BT50 × 22-70	40	69.85	3.70
BT50 × 22-100	40	69.85	4.00
BT50 × 27-70	48	69.85	4.00
BT50 × 27-100	48	69.85	4.40
BT50 × 32-70	58	69.85	4.20
BT50 × 32-100	58	69.85	4.70
BT50 × 40-75	70	69.85	4.50
BT50 × 40-100	70	69.85	5.50
BT50 × 50-75	90	69.85	4.60
BT50 × 50-125	90	69.85	7.20

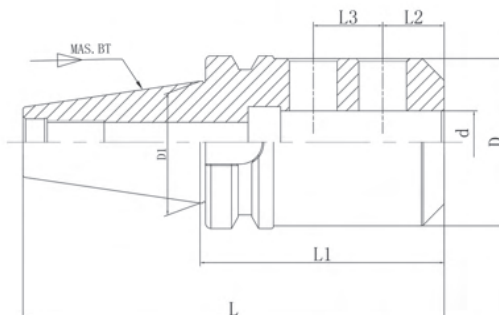
 ZY-10036 DIN 锥数控混合插入式铣刀杆
COMBI SHELL END MILL ARBORS


- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:Special tool handle for the processing center or CNC machine's , front end assembly tool
- ★:When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- ★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型号 ModelNo. BT × d-L1	D	D1	重量 Wt(kg)
DIN69871.A30 × 16-55	32	31.75	1.00
DIN69871.A30 × 22-55	40	31.75	2.00
DIN69871.A30 × 27-55	48	31.75	2.10
DIN69871.A30 × 32-60	58	31.75	1.80
DIN69871.A30 × 40-60	70	31.75	7.30
DIN69871.A40 × 16-55	32	44.45	1.20
DIN69871.A40 × 16-100	32	44.45	1.50
DIN69871.A40 × 22-55	40	44.45	1.23
DIN69871.A40 × 22-100	40	44.45	1.83
DIN69871.A40 × 27-55	48	44.45	1.30
DIN69871.A40 × 27-100	48	44.45	2.20
DIN69871.A40 × 32-60	58	44.45	1.50
DIN69871.A40 × 32-100	58	44.45	2.30
DIN69871.A40 × 40-60	70	44.45	1.80
DIN69871.A40 × 40-100	70	44.45	3.00
DIN69871.A50 × 16-63	32	69.85	3.50
DIN69871.A50 × 16-100	32	69.85	3.80
DIN69871.A50 × 22-70	40	69.85	3.60
DIN69871.A50 × 22-100	40	69.85	4.00
DIN69871.A50 × 27-70	48	69.85	3.70
DIN69871.A50 × 27-100	48	69.85	4.40
DIN69871.A50 × 32-70	58	69.85	3.80
DIN69871.A50 × 32-100	58	69.85	4.70
DIN69871.A50 × 40-75	70	69.85	3.90
DIN69871.A50 × 40-100	70	69.85	5.30
DIN69871.A50 × 50-75	90	69.85	4.50
DIN69871.A50 × 50-125	90	69.85	7.20

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀杆系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FEATURE SERIES镗头系列
BORING HEADS SERIES平行快系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10038 BT 锥数控立铣刀杆 END MILL ADAPTERS



- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:刀柄用于数控机床，内孔配刀具
- ★:订购时请注明刀柄的标准形式。如需中心进水与法兰盘侧面进水冷却的刀柄，请标明AD/B型,如BT40AD/Bx12-63
- ★:根据需要可提供动平衡刀柄，动平衡标准精度为G6.3/12000rpm，精密精度为G2.5/20000rpm, 订购时请注明具体精度

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:Special tool handle for the CNC machine's , Inner hole with cutter
- ★:When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- ★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型号 Model No. BT × d-L1	L mm	D mm	D1 mm	L2 mm	L3 mm	重量 Wt(kg)
BT30 × 6-50	98.4	25	31.75	18		0.66
BT30 × 6-60	108.4	25	31.75	18		0.72
BT30 × 8-60	108.4	28	31.75	18		0.80
BT30 × 10-60	108.4	35	31.75	20		0.83
BT30 × 10-80	128.4	35	31.75	20		0.83
BT30 × 12-60	108.4	40	31.75	22.5		0.88
BT30 × 14-60	108.4	42	31.75	22.5		1.02
BT30 × 16-75	123.4	44	31.75	24		1.04
BT30 × 18-75	123.4	46	31.75	24		1.26
BT30 × 20-75	123.4	50	31.75	25		1.36
BT30 × 25-90	138.4	53	31.75	24	25	1.50



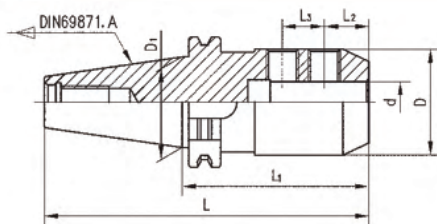
ZY-10040 BT 锥数控立铣刀杆 END MILL ADAPTERS

型号 Model No.BT×d-L1	L mm	D mm	D1 mm	L2 mm	L3 mm	重量 Wt(kg)
BT40×6-50	115.4	25	44.45	18		0.96
BT40×6-60	125.4	25	44.45	18		0.98
BT40×8-50	115.4	28	44.45	18		1.00
BT40×10-63	128.4	35	44.45	20		1.08
BT40×12-63	128.4	40	44.45	22.5		1.20
BT40×14-63	128.4	42	44.45	22.5		1.22
BT40×16-63	128.4	44	44.45	24		1.24
BT40×16-70	135.4	44	44.45	24		1.30
BT40×18-63	128.4	46	44.45	24		1.36
BT40×20-63	128.4	50	44.45	25		1.36
BT40×20-70	135.4	50	44.45	25		2.10
BT40×25-90	155.4	53	44.45	24	25	2.07
BT40×25-100	165.4	53	44.45	24	25	2.08
BT40×32-100	165.4	61	44.45	24	28	2.25
BT40×32-160	225.4	61	44.45	24	28	2.30
BT40×40-120	185.4	80	44.45	30	32	2.50
BT40×40-100	165.4	80	44.45	30	32	2.80
BT50×6-63	164.8	25	69.85	18		3.20
BT50×8-63	164.8	28	69.85	18		3.23
BT50×10-63	164.8	35	69.85	20		3.24
BT50×12-80	181.8	40	69.85	22.5		3.36
BT50×16-80	181.8	44	69.85	24		3.48
BT50×20-80	181.8	52	69.85	25		3.52
BT50×25-100	201.8	53	69.85	24	25	4.28
BT50×25-150	251.8	53	69.85	24	25	4.35
BT50×25-200	301.8	53	69.85	24	25	4.40
BT50×32-100	201.8	61	69.85	24	28	4.44
BT50×32-150	251.8	61	69.85	24	28	4.56
BT50×40-110	211.8	80	69.85	30	32	4.58
BT50×40-120	221.8	80	69.85	30	32	4.58
BT50×50-150	251.8	100	69.85	35	35	4.90

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀杆系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FEATURE SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10042 DIN 锥数控立铣刀杆

END MILL ADAPTERS

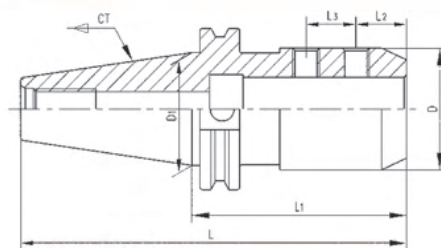


- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:刀柄连接于数控机床，内孔配刀具
- ★:订购时请注明刀柄的标准形式。如需中心进水与法兰盘侧面进水冷却的刀柄，请标明AD/B型，如DIN69871.40AD/Bx12-63
- ★:根据需要可提供动平衡刀柄，动平衡标准精度为G6.3/12000rpm，精密精度为G2.5/20000rpm，订购时请注明精度

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The holder is connected to the CNC machine, the inner hole with the cutter
- ★:When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B.
- ★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型号 Model No.DIN69871.A × d-L1	L	D	D1	L2	L3	重量 Wt(kg)
DIN69871.A30 × 6-50	97.8	25	31.75	18		0.58
DIN69871.A30 × 8-50	97.8	28	31.75	18		0.64
DIN69871.A30 × 10-50	97.8	35	31.75	20		0.72
DIN69871.A30 × 12-50	97.8	40	31.75	22.5		0.80
DIN69871.A30 × 16-50	97.8	44	31.75	24		0.96
DIN69871.A40 × 6-50	118.4	25	44.45	18		0.92
DIN69871.A40 × 8-50	118.4	28	44.45	18		0.96
DIN69871.A40 × 10-50	118.4	35	44.45	20		2.00
DIN69871.A40 × 12-63	131.4	40	44.45	22.5		1.12
DIN69871.A40 × 14-50	118.4	42	44.45	22.5		1.12
DIN69871.A40 × 16-63	131.4	44	44.45	24		1.20
DIN69871.A40 × 18-63	131.4	46	44.45	24		1.20
DIN69871.A40 × 20-63	131.4	50	44.45	25		1.32
DIN69871.A40 × 25-100	168.4	53	44.45	24	25	2.04
DIN69871.A40 × 32-100	168.4	61	44.45	24	28	2.24
DIN69871.A40 × 40-120	188.4	80	44.45	30	32	2.40
DIN69871.A50 × 6-63	164.75	25	69.85	18		3.30
DIN69871.A50 × 8-63	164.75	28	69.85	18		3.40
DIN69871.A50 × 10-63	164.75	35	69.85	20		3.42
DIN69871.A50 × 12-63	164.75	40	69.85	22.5		3.42
DIN69871.A50 × 14-63	164.75	42	69.85	22.5		3.44
DIN69871.A50 × 16-63	164.75	44	69.85	24		3.46
DIN69871.A50 × 18-63	164.75	46	69.85	24		3.48
DIN69871.A50 × 20-63	164.75	50	69.85	25		4.24
DIN69871.A50 × 25-80	181.75	53	69.85	24	25	4.40
DIN69871.A50 × 32-100	201.75	61	69.85	24	28	4.52
DIN69871.A50 × 40-120	221.75	80	69.85	30	32	4.72

ZY-10044 CAT 锥数控立铣刀杆 END MILL ADAPTERS



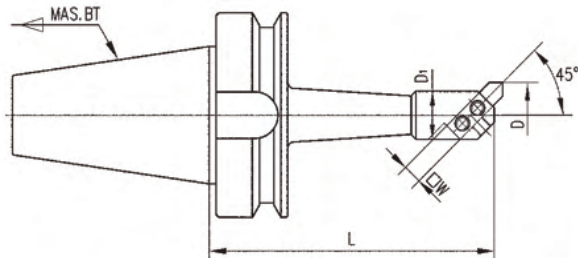
- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:刀柄连接于数控机床，内孔配刀具
- ★:根据需要可提供动平衡刀柄，动平衡标准精度为G6.3/12000rpm，精密精度为G2.5/20000rpm，订购时请注明精度

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The holder is connected to the CNC machine, the inner hole with the cutter
- ★:According to needs to be possible to provide the balanced hilt, the standard precision is G6.3/12000rpm, the precise precision is G2.5/20000rpm.

型 号 Model No. CATXD-L1	L mm	D mm	D1 mm	L2 mm	L3 mm
CAT40X3/16"-2 ~ 1/2"	131.8	19.05	44.45	14.3	
CAT40X1/4"-2 ~ 1/2"	131.8	20.6		19.8	
CAT40X5/16"-2 ~ 1/2"	131.8	22.22		19.8	
CAT40X3/8"-2 ~ 1/2"	131.8	31.75		19.8	
CAT40X1/4"-63	131.25	20.6		19.8	
CAT40X1/2"-2 ~ 5/8"	134.9	44.45		22.2	
CAT40X5/8"-2 ~ 1/2"	131.8	44.45		23.8	
CAT40X3/4"-3 ~ 3/4"	163.5	44.45		25.4	
CAT40X7/8"-4"	169.9	52	69.85	27	22.2
CAT40X1"-4"	169.9	63		28.6	25.4
CAT40X1 ~ 1/4"-4 ~ 1/8"	173	69.85		28.6	25.4
CAT50X3/8"-2.5"	165.1	31.75		19.8	
CAT50X3/8"-6 ~ 1/2"	266.7	31.75		19.8	
CAT50X1/2"-2 ~ 5/8"	168.3	44.45		22.2	
CAT50X1/2"-4 ~ 5/8"	219.1	44.45		22.2	
CAT50X5/8"-3 ~ 3/4"	196.85	44.45		23.8	
CAT50X5/8"-5 ~ 3/4"	247.7	44.45		23.8	
CAT50X3/4"-3 ~ 3/4"	196.85	44.45		25.4	
CAT50X3/4"-5 ~ 3/4"	247.7	44.45		25.4	
CAT50X7/8"-3 ~ 3/4"	196.85	52		27	22.2
CAT50X7/8"-5 ~ 3/4"	247.7	52		27	22.2
CAT50X1"-4"	203.2	63		28.6	25.4
CAT50X1"-6"	254	63		28.6	25.4
CAT50X1 ~ 1/4"-4"	203.2	69.85		28.6	25.4
CAT50X1 ~ 1/4"-6"	254	69.85		28.6	25.4
CAT50X1 ~ 1/2"-4"	203.2	69.85		28.6	25.4
CAT50X1 ~ 1/2"-6"	254	69.85		28.6	25.4
CAT50X2"-5 ~ 5/8"	244.5	69.85		30.2	36.5
CAT50X2"-7 ~ 5/8"	295.3	69.85		30.2	36.5

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀杆系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FUTURE SERIES镗头系列
BORING HEADS SERIES平行快系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10046 倾斜型数控粗镗刀柄 ANGULAR MOUNTING SQUARE BITE BORING ARBORS



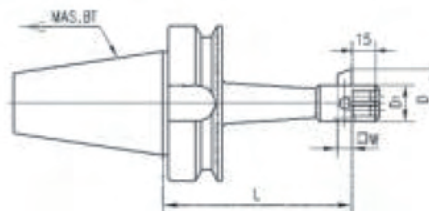
- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:刀柄用于数控机床，可进行内孔加工，扩孔，仿形等
- ★:可在镗床、龙门铣床上使用
- ★:刀具安装时，要注意清洁
- ★:刀具安装后需检查跳动

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The holder for CNC machine , can carry out inner hole processing, reaming, copying and so on
- ★:It can be used on boring machine and planer milling machine
- ★:Pay attention to cleaning when installing tools
- ★:Check the runout after the tool is installed

型 号 Model No.	D mm		D1 mm	L mm	W	配用方刀型号 Type of square cutter
	min	max				
BT40-TQC25-150	25	38	20	150	8	F8-45-32
BT40-TQC30-150	30	42	24	150	8	F8-45-36
BT40-TQC38-150	38	52	30	150	10	F10-45-48
BT40-TQC42-150	42	56	34	150	10	F10-45-52
BT40-TQC50-150	50	65	40	150	13	F13-45-62
BT40-TQC62-150	62	90	50	150	16	F16-45-80
BT40-TQC72-150	72	110	60	150	19	F19-45-92
BT45-TQC25-180	25	38	20	180	8	F8-45-32
BT45-TQC30-180	30	42	24	180	8	F8-45-36
BT45-TQC38-200	38	52	30	200	10	F10-45-48
BT45-TQC42-200	42	56	34	200	10	F10-45-52
BT45-TQC50-200	50	65	40	200	13	F13-45-62
BT45-TQC50-230	50	65	40	230	13	F13-45-62
BT45-TQC62-200	62	90	50	200	16	F16-45-80
BT45-TQC62-270	62	90	50	270	16	F16-45-80
BT45-TQC72-200	72	110	60	200	19	F19-45-92
BT45-TQC72-270	72	110	60	270	19	F19-45-92
BT45-TQC72-250	72	110	60	250	19	F19-45-92
BT45-TQC90-200	90	125	75	200	19	F19-45-118
BT45-TQC90-250	90	125	75	250	19	F19-45-118
BT50-TQC25-150	25	38	20	150	8	F8-45-32
BT50-TQC30-170	30	42	24	170	8	F8-45-36
BT50-TQC38-170	38	52	30	170	10	F10-45-48
BT50-TQC42-180	42	56	34	180	10	F10-45-48
BT50-TQC50-200	50	65	40	200	13	F13-45-62
BT50-TQC62-250	62	90	50	250	16	F16-45-80
BT50-TQC72-250	72	110	60	250	19	F19-45-92
BT50-TQC90-250	90	125	75	250	19	F19-45-118

ZY-10048 直角型数控粗镗刀柄

STRAIGHT MOUNTING SQUARE BITE BORING ARBORS



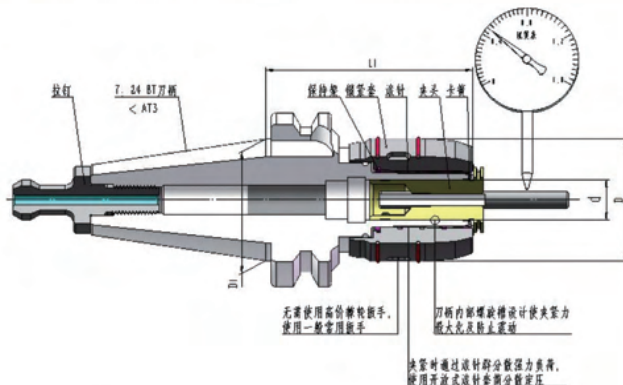
- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:刀柄用于数控机床，可进行内孔加工，扩孔，仿形等
- ★:可在镗床、龙门铣床上使用
- ★:刀具安装时，要注意清洁
- ★:刀具安装后需检查跳动

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The holder for CNC machine , can carry out inner hole processing, reaming, copying and so on
- ★: It can be used on boring machine and planer milling machine
- ★: Pay attention to cleaning when installing tools
- ★:Check the runout after the tool is installed

型 号 Model No.	D mm		D1 mm	L mm	W	配用方刀型号 Type of square cutter
	min	max				
BT45-TZC25-120	25	40	20	120	8	F8-82-24
BT45-TZC38-150	38	60	30	150	10	F10-82-36
BT45-TZC50-165	50	70	40	165	13	F13-82-48
BT45-TZC72-195	72	100	60	195	19	F19-82-70



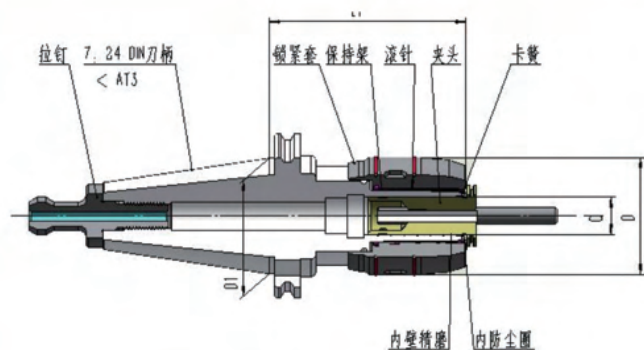
ZY-10050 BT 数控强力刀柄 POWER MILLING CHUCK



- ★:采用高强度特殊材质，淬火、回火后经特殊处理，产品性能稳定，耐磨耐用
- ★:采用滚针式旋转夹紧，力度均匀牢固，降低了切削振动，可用于强力切削
- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:Adopt needle rolling rotary clamping, the force is even and firm, reduce the cutting vibration, can be used for strong cutting

型号 Model No.	d	D	D1
BT40 × C20-105	20	56	44.45
BT40 × C20-135	20	56	
BT40 × C25-105	25	63	
BT40 × C32-110	32	70	
BT40 × C32-135	32	70	
BT40 × C42-115	42	90	69.85
BT50 × C20-115	20	56	
BT50 × C32-110	32	70	
BT50 × C32-165	32	70	
BT50 × C42-125	42	90	
BT50 × C42-150	42	90	
BT50 × C42-165	42	90	

ZY-10052 DIN69871 数控强力刀柄 POWER MILLING CHUCK



型号 Model No.	d	D	D1
DIN69871.40 × C20-100	20	56	44.45
DIN69871.40 × C20-120	20	56	
DIN69871.40 × C25-105	25	63	
DIN69871.40 × C32-105	32	70	
DIN69871.40 × C32-135	32	70	
DIN69871.40 × C42-135	42	90	69.85
DIN69871.50 × C20-110	20	56	
DIN69871.50 × C20-150	20	56	
DIN69871.50 × C25-105	25	63	
DIN69871.50 × C32-150	32	70	
DIN69871.50 × C32-165	32	70	
DIN69871.50 × C42-130	42	90	
DIN69871.50 × C42-150	42	90	
DIN69871.50 × C42-165	42	90	

- 优

精选钢材
Best steel
- 耐

耐磨耐用
Good quality
- 淬

淬火加硬
Quenching hardened
- 厚

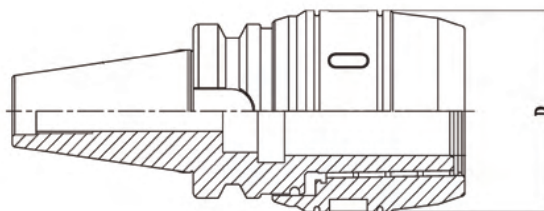
加厚设计
Increase thickness

ZY-1005201

滚针式铣夹头套装

MILLING

CHUCK SET



- ★:具有夹紧力大, 定心精度高的特点, 特别适用于强力切削加工
- ★:可适用于机床主轴锥度为MT2 ~ MT5; 7:24 30 ~ 50及R8锥的各种铣床
- ★:每套铣夹头包括1支夹头体, 整套夹头及1支扳手

- ★: The milling chuck clamp with exceptional force and with a very tight tolerance on run out
- ★: Used for the spindle taper of milling machine: R8, MT2 ~ MT5, 7:24 30 ~ 50
- ★: A set included: 1 collet chuck, full set of collets and 1 spanner

型号 Model No.	支/套 Pcs/set	夹持范围 clamping range (mm)	柄部 Shank	D (mm)
C20	8	4 5 6 8 10 12 14 16	R8 MT2 MT3 MT4 MT5 NT30 NT40 NT50	56
C25	10	4 5 6 8 10 12 14 16 18 20		63
C32	11	4 5 6 8 10 12 14 16 18 20 25		70
C42	12	6 8 10 12 14 16 18 20 25 28 30 32		90

- ★:订货时, 请注明夹头体的型号及拉杆螺纹

Please notify the thread of collet chuck draw bar

- ★:我们还可以根据您的要求, 提供不同规格及件数的成套夹头, 夹头体

We are glad supply collets and chucks with different shank and quantities according to your requirement

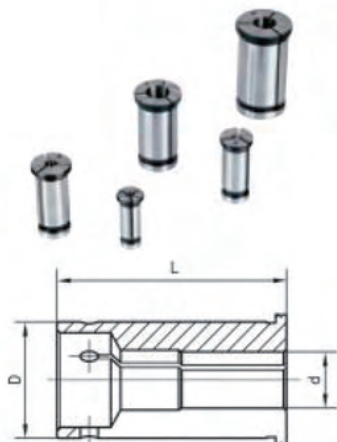
ZY-1005202

直柄夹头

STRAIGHT SHANK COLLET

- ★:采用高强度特殊材质, 淬火、回火后经深冷处理, 产品性能稳定, 耐磨耐用
- ★:采用滚针式旋转夹紧, 力度均匀牢固, 降低了切削振动, 可用于强力切削
- ★:属于高精度弹性夹头, 定心精度高

- ★: Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★: Adopt needle rolling rotary clamping, the force is even and firm, reduce the cutting vibration, can be used for strong cutting
- ★: High precision spring collet, high centering accuracy

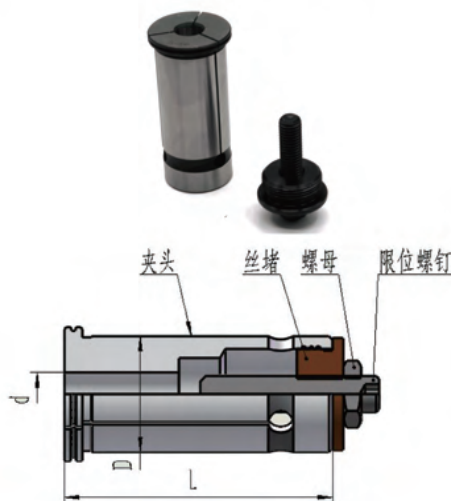


型号 Model No.	D (mm)	d (mm)	L (mm)
C20	20	4-16	55
C22	22	4-16	55
C25	25	4-20	60
C32	32	4-25	65
C40	40	6-32	80
C42	42	6-32	80

ZY-1005203 可限位直柄铣夹头 MILLING COLLET

- ★:采用高强度特殊材质，淬火、回火后经深冷处理，产品性能稳定，耐磨耐用
- ★:夹头增加了限位结构，在对刀具定长的同时使夹持更稳固
- ★:采用滚针式旋转夹紧，力度均匀牢固，降低了切削振动，可用于强力切削
- ★:属于高精度弹性夹头，定心精度高

- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:The clamp has a limit structure, which makes the clamping more stable while the length of the tool is fixed, For strong cutting work.
- ★:Adopt needle rolling rotary clamping, the force is even and firm, reduce the cutting vibration, can be used for strong cutting
- ★:High precision spring collet, high centering accuracy

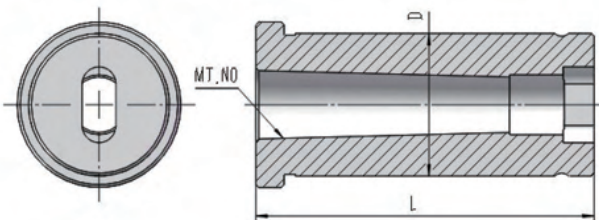


型号 Model No.	D (mm)	d (mm)	L (mm)
C20	20	4-16	60
C22	22	4-16	65
C25	25	4-20	70
C32	32	4-25	75
C40	40	6-32	90
C42	42	6-32	90

ZY-1005204 直柄/MT变径铣夹头 MILLING ADAPTER

- ★:采用高强度特殊材质，淬火、回火后经深冷处理，产品性能稳定，耐磨耐用
- ★:采用滚针式旋转夹紧，力度均匀牢固，降低了切削振动，可用于强力切削
- ★:变径套内锥可夹持莫式柄刀具

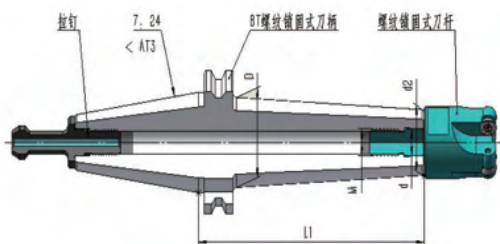
- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:Adopt needle rolling rotary clamping, the force is even and firm, reduce the cutting vibration, can be used for strong cutting
- ★:The inner cone of the sleeve can clamp the MT cutting tool



型号 Model No.	D (mm)	MT. NO	L (mm)
C25	25	MT1	60
C32	32	MT1	65
C40	40	MT1 MT2	80
C42	42	MT1 MT2	80

ZY-10054 BT 螺纹锁固式刀柄

THREAD LOCKING TYPE CHUCK



- ★:采用高强度特殊材质，经特殊处理后产品具有高耐磨性
- ★:淬火硬度可达HRC58-62，渗碳深度 > 0.8mm
- ★:标准动平衡精度G6.3/12000rpm
- ★:高性能可换刀头与刚性刀柄的结合采用螺纹链接可迅速更换，降低成本
- ★:螺纹刀柄的锁固方式依靠螺牙来锁紧操作简单方便

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:Quenching hardness up to HRC58-62, carburizing depth of > 0.8mm
- ★:Standard dynamic equilibrium G6.3/12000rpm
- ★:The combination of high performance replaceable tool head and rigid tool handle adopts screw jointIt can be replaced quickly to reduce the cost.
- ★:The locking method of threaded tool handle relies on the screw teeth for simple locking operationconvenient

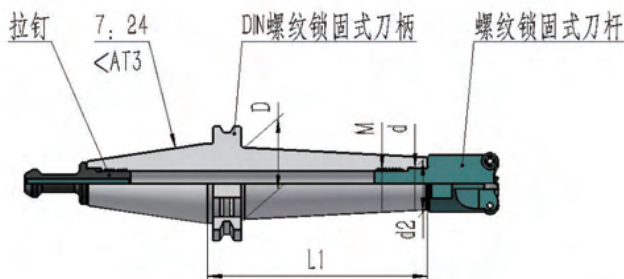
型 号 Model No.	M	d1	d2	D	L1
BT30-MCA06-50	6	6.5	10	20	50
BT30-MCA08-50	8	8.5	13	23	50
BT30-MCA08-75	8	8.5	13	23	75
BT30-MCA08-100	8	8.5	13	25	100
BT30-MCA10-50	10	10.5	18	23	50
BT30-MCA10-75	10	10.5	18	28	75
BT30-MCA10-100	10	10.5	18	32	100
BT30-MCA12-50	12	12.5	21	30	50
BT30-MCA12-75	12	12.5	21	31	75
BT30-MCA12-100	12	12.5	21	36	100
BT30-MCA16-50	16	17	29	34	50
BT30-MCA16-75	16	17	29	34	75
BT30-MCA16-100	16	17	29	40	100
BT40-MCA06-50	6	6.5	10	20	50
BT40-MCA08-50	8	8.5	13	23	50
BT40-MCA08-75	8	8.5	13	23	75
BT40-MCA08-100	8	8.5	13	25	100
BT40-MCA10-50	10	10.5	18	23	50
BT40-MCA10-75	10	10.5	18	28	75
BT40-MCA10-100	10	10.5	18	32	100
BT40-MCA12-50	12	12.5	21	30	50
BT40-MCA12-75	12	12.5	21	31	75
BT40-MCA12-100	12	12.5	21	36	100
BT40-MCA16-50	16	17	29	34	50
BT40-MCA16-75	16	17	29	34	75
BT40-MCA16-100	16	17	29	40	100
BT50-MCA06-50	6	6.5	10	20	50
BT50-MCA08-50	8	8.5	13	23	50
BT50-MCA08-75	8	8.5	13	23	75
BT50-MCA08-100	8	8.5	13	25	100
BT50-MCA10-50	10	10.5	18	23	50
BT50-MCA10-75	10	10.5	18	28	75
BT50-MCA10-100	10	10.5	18	32	100
BT50-MCA12-50	12	12.5	21	30	50
BT50-MCA12-75	12	12.5	21	31	75
BT50-MCA12-100	12	12.5	21	36	100
BT50-MCA16-50	16	17	29	34	50
BT50-MCA16-75	16	17	29	34	75
BT50-MCA16-100	16	17	29	40	100

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀杆系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FEATURE SERIES镗头系列
BORING HEADS SERIES平行快系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10056 DIN 螺纹锁固式刀柄 THREAD LOCKING TYPE CHUCK

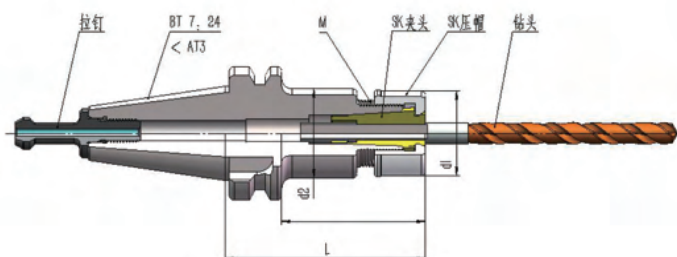
- ★:采用高强度特殊材质，经特殊处理后产品具有高耐磨性
- ★:淬火硬度可达HRC58-62，渗碳深度 > 0.8mm
- ★:标准动平衡精度G6.3/12000rpm
- ★:高性能可换刀头与刚性刀柄的结合采用螺纹链接可迅速更换，降低成本。
- ★:螺纹刀柄的锁固方式依靠螺牙来锁紧操作简单方便

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★: Hardness up to HRC58-62, carburizing depth of > 0.8mm
- ★: Standard dynamic equilibrium G6.3/12000rpm
- ★:The combination of high performance replaceable tool head and rigid tool handle adopts screw jointIt can be replaced quickly to reduce the cost.
- ★:The locking method of threaded tool handle relies on the screw teeth for simple locking operationconvenient



型 号 Model No.	M	d	d2	D	L1
DIN69871.30-MCA06-50	6	6.5	10	20	50
DIN69871.30-MCA08-50	8	8.5	13	23	50
DIN69871.30-MCA08-75	8	8.5	13	23	75
DIN69871.30-MCA08-100	8	8.5	13	25	100
DIN69871.30-MCA10-50	10	10.5	18	23	50
DIN69871.30-MCA10-75	10	10.5	18	28	75
DIN69871.30-MCA10-100	10	10.5	18	32	100
DIN69871.30-MCA12-50	12	12.5	21	30	50
DIN69871.30-MCA12-75	12	12.5	21	31	75
DIN69871.30-MCA12-100	12	12.5	21	36	100
DIN69871.30-MCA16-50	16	17	29	34	50
DIN69871.30-MCA16-75	16	17	29	34	75
DIN69871.30-MCA16-100	16	17	29	40	100
DIN69871.40-MCA06-50	6	6.5	10	20	50
DIN69871.40-MCA08-50	8	8.5	13	23	50
DIN69871.40-MCA08-75	8	8.5	13	23	75
DIN69871.40-MCA08-100	8	8.5	13	25	100
DIN69871.40-MCA10-50	10	10.5	18	23	50
DIN69871.40-MCA10-75	10	10.5	18	28	75
DIN69871.40-MCA10-100	10	10.5	18	32	100
DIN69871.40-MCA12-50	12	12.5	21	30	50
DIN69871.40-MCA12-75	12	12.5	21	31	75
DIN69871.40-MCA12-100	12	12.5	21	36	100
DIN69871.40-MCA16-50	16	17	29	34	50
DIN69871.40-MCA16-75	16	17	29	34	75
DIN69871.40-MCA16-100	16	17	29	40	100
DIN69871.50-MCA06-50	6	6.5	10	20	50
DIN69871.50-MCA08-50	8	8.5	13	23	50
DIN69871.50-MCA08-75	8	8.5	13	23	75
DIN69871.50-MCA08-100	8	8.5	13	25	100
DIN69871.50-MCA10-50	10	10.5	18	23	50
DIN69871.50-MCA10-75	10	10.5	18	28	75
DIN69871.50-MCA10-100	10	10.5	18	32	100
DIN69871.50-MCA12-50	12	12.5	21	30	50
DIN69871.50-MCA12-75	12	12.5	21	31	75
DIN69871.50-MCA12-100	12	12.5	21	36	100
DIN69871.50-MCA16-50	16	17	29	34	50
DIN69871.50-MCA16-75	16	17	29	34	75
DIN69871.50-MCA16-100	16	17	29	40	100

ZY-10058 BT/SK 高转速精密刀柄 BT/SK HIGH SPEED PRECISION HOLDER SERIES



★:刀柄采用高强度特殊材质，经特殊处理后产品具有高耐磨性

★:锥度精度: <AT3

★:硬度: HRC58-62

★:渗碳深度 :>0.8mm

★:刀柄精密动平衡 G2.5/20000rpm

★:The holder is made of imported high strength material and has high wear resistance after special treatment

★:Precision taper:<AT3

★:Hardness:HRC58-62

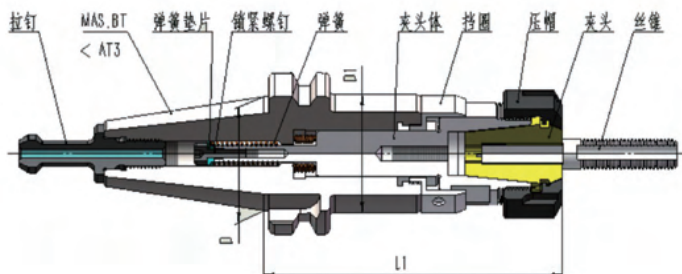
★:Carbon Depth:>0.8mm

★:Shank dynamic balance standard: G2.5/20000rpm

型号Cat.No	d1mm	d2mm	Lmm	M	螺帽Nut
BT30-SK10-60	27.5	27.6	60	M21.5x1.0	SK10
BT30-SK10-90	27.5	27.6	90	M21.5x1.0	SK10
BT30-SK10-120	27.5	27.6	120	M21.5x1.0	SK10
BT30-SK16-60	40	42	60	M32x1.5	SK16
BT30-SK16-90	40	42	90	M32x1.5	SK16
BT30-SK16-120	40	42	120	M32x1.5	SK16
BT30-SK20-60	48	50	60	M40x1.5	SK20
BT30-SK20-90	48	50	90	M40x1.5	SK20
BT40-SK10-60	27.5	27.6	60	M21.5x1.0	SK10
BT40-SK10-90	27.5	27.6	90	M21.5x1.0	SK10
BT40-SK10-120	27.5	27.6	120	M21.5x1.0	SK10
BT40-SK10-150	27.5	27.6	150	M21.5x1.0	SK10
BT40-SK16-60	40	42	60	M32x1.5	SK16
BT40-SK16-90	40	42	90	M32x1.5	SK16
BT40-SK16-120	40	42	120	M32x1.5	SK16

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEXER SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10060 弹性伸缩攻牙刀柄 ELASTIC EXPANSION TAPPING THE HANDLE



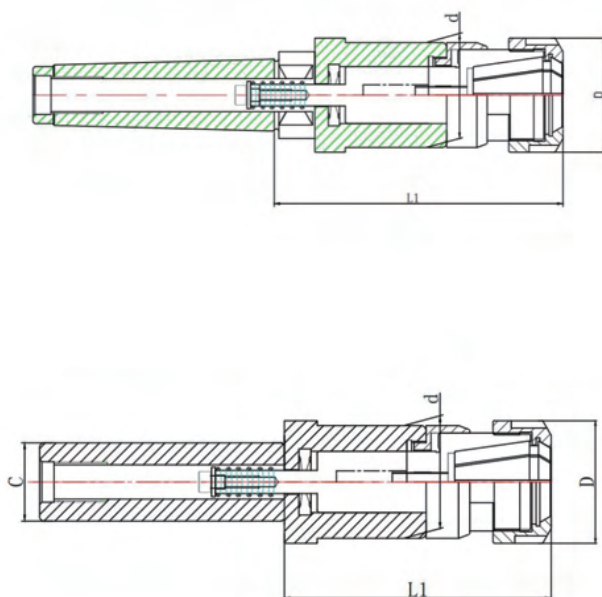
- ★:该刀柄是攻丝专用刀柄，内部含有弹簧，在柔性攻丝的同时既保护丝锥，防止丝锥折断，也延长了丝锥的使用寿命
- ★:攻完螺纹反转时，刀柄在拉伸方向也提供补偿，减少了对丝锥的损伤
- ★:可用于自动工作机床，多轴攻丝机和没有同步攻丝功能的数控加工中心上

- ★:Special holder for tapping , with a spring inside, which can not only protect the tap and prevent the tap from breaking, but also extend the service life of the tap
- ★:When the tap is reversed after tapping, the holder also provides compensation in the drawing direction, reducing the damage to the tap
- ★:It can be used on automatic working machine tools, multiaxis tapping machines and nc machining centers without synchronous tapping function

型号 Model No.	D	L1	D1
BT30-TER20-100	31.75	100	36
BT30-TER25-100		100	42
BT40-TER20-100	44.45	100	36
BT40-TER25-110		110	42
BT40-TER32-110		110	46
BT40-TER40-120		120	56
BT50-TER20-120	69.85	120	36
BT50-TER25-120		120	42
BT50-TER32-120		120	46
BT50-TER40-130		130	56

型号 Model No.	D	L1	D1
DIN69871.40-TER20-100	44.45	100	36
DIN69871.40-TER25-110		110	42
DIN69871.40-TER32-110		110	46
DIN69871.40-TER40-120		120	56

ZY-10062 MS/直柄TER攻丝刀柄 MS/ STRAIGHT SHANK TER TAPPING HOLDER



型号 Model No.	L1 mm	D mm	d mm
MS4-TER40	130	63	56
MS4-TER32	120	50	46
MS4-TER25	120	42	42
MS4-TER20	110	34	36

型号 Model No.	L1 mm	d mm	D mm
C32-TER40	130	56	63
C40-TER40	130	56	63
C32-TER32	120	46	50
C40-TER32	120	46	50
C1-1/4-TER32	120	46	50
C40-TER25	120	42	42
C32-TER25M	120	42	35
C32-TER20	110	36	34
C40-TER20	110	36	34

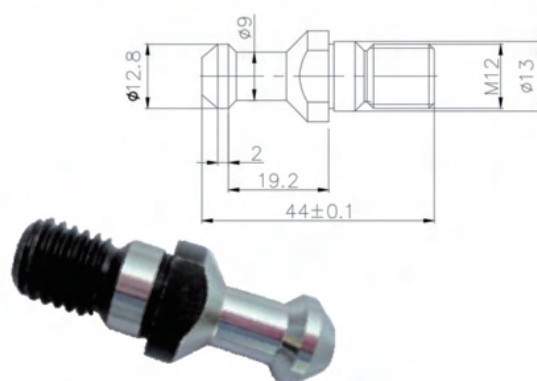
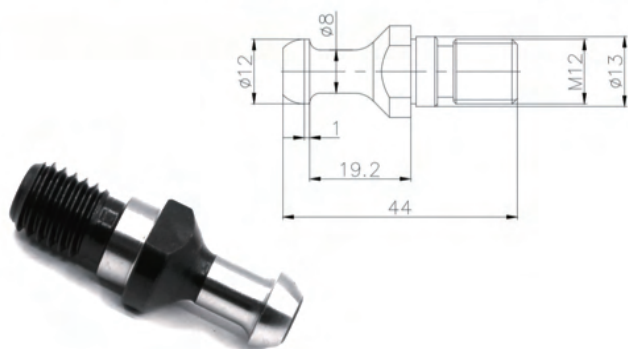
ZY-10064 ISO30 木工数控雕刻机刀柄 The handle CNC engraving machine



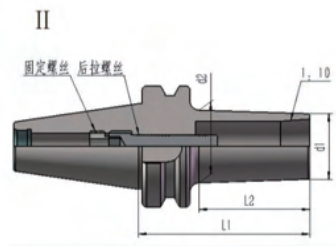
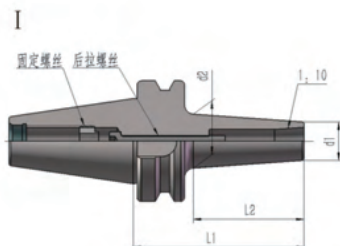
型号	L1	D
ISO30XER32-L1		
ISO30XER32-45	45	45
ISO30XER32-60	60	45
ISO30XER32-100	100	45
ISO30XOZ25-70	70	45

ZY-100641 ISO30拉钉 RETENTION KNOB

ZY-100642哥伦布拉钉 COLUMBUS



ZY-10066 BT/DC后拉式立铣刀夹头体 BT/DC SILM-FIT COLLET CHUCK



- ★:采用高强度特殊材质，经特殊处理后产品具有高耐磨性
- ★:前端小径设计，降低干涉
- ★:淬火硬度可达HRC58-62，渗碳深度 > 0.8mm
- ★:标准动平衡精度G2.5/20000rpm

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The slim design reduces interference while cutting
- ★:Quenching hardness up to HRC58-62, carburizing depth of > 0.8mm
- ★:Standard dynamic equilibrium 2.5/20000rpm

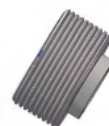
规格Spec.	筒夹Collet	L1	L2	d1	d2	后拉螺丝 Slim Fit Screw	固定螺丝 Fixed Screw	扳手 Wrench	扭力值 (N.m)Torque	Fig	重量 Weight
BT30xDC06-70	DC06	70	38	14	18.1	DC06-M5	DC06-M12	PT4	6	I	1
BT30xDC06-100		100	68		21.2	DC06-M5					0.6
BT30xDC12-70	DC12	70	47	26	33.4	DC12-M10	DC12-M14	PT8	10	II	0.63
BT30xDC12-100		100	77		38.1						0.84
BT30xDC20-80	DC20	80	55	34	37.7	DC20-M12	DC20-M16	PT10	12	II	0.68
BT30xDC20-100		100	77		39.2						0.85
BT40xDC06-70	DC06	70	28	14	17.1	DC06-M5	DC06-M12	PT4	6	I	1.2
BT40xDC06-100		100	58		20.1	DC06-M5					1.2
BT40xDC12-70	DC12	70	33	26	31	DC12-M10	DC12-M14	PT8	10	II	1.3
BT40xDC12-100		100	63		31.6	DC12-M10					1.38
BT40xDC20-70	DC20	70	33	35	38.1	DC20-M12	DC20-M16	PT10	12	II	1.5
BT40xDC20-100		100	68		41	DC20-M12					1.45
BT50xDC06-70	DC06	70	17	14	15.9	DC06-M5	DC06-M12	PT4-S	6	I	4
BT50xDC06-100		100	47		19.1	DC06-M5					3.93
BT50xDC12-70	DC12	70	22	26	28.1	DC12-M10	DC12-M14	PT8-S	10	II	4
BT50xDC12-100		100	52		30.6	DC12-M10					4.3
BT50xDC20-70	DC20	70	22	35	36.9	DC20-M12	DC20-M16	PT10-S	12	II	3.9
BT50xDC20-100		100	52		39.6	DC20-M12					4.7

PT扳手 PT-Type Wrench



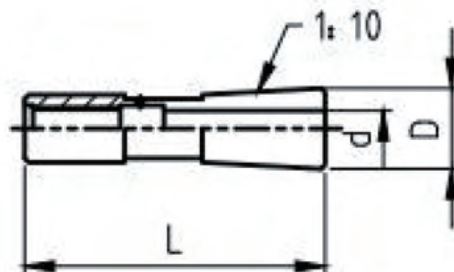
规格Spec.	S	L	扭力值 (N.m)Torque
PT4	4	70	6
PT4-S		130	
PT8	8	70	10
PT8-S		130	
PT10	10	140	12

固定螺丝 Fixed Screw



规格Spec.
DC06-M12
DC12-M14
DC20-M16

ZY-10068 DC 专用夹头 DC COLLET



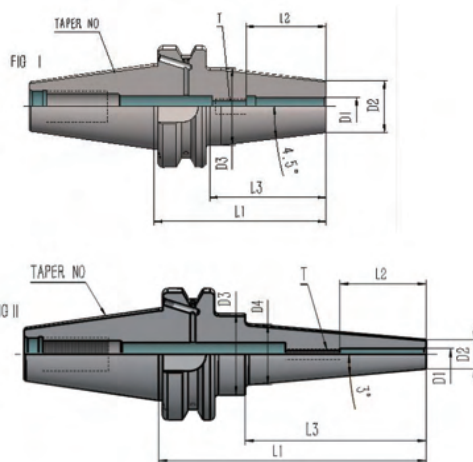
- ★:采用高强度特殊材质，淬火、回火后经深冷处理，产品性能稳定，耐磨耐用
- ★:属于高精度弹性夹头，定心精度高
- ★:适用模具产业

- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:High precision spring collet, high centering accuracy
- ★:Applicable industry: mold industry

规格 Spec.	夹持范围d Clamping Range	D	L	刀具最小夹持 长度 Min.	(KGS) Weight
DC06-d	2.0-6.0	9.6	36	16	0.02
DC12-3	3.0	22	60	20	0.06
DC12-4	4.0			22	0.18
DC12-5	5.0				0.18
DC12-6	6.0				0.18
DC12-8	8.0			30	0.06
DC12-10	10.0				0.06
DC12-12	12.0			22	0.18
DC20-3	3.0	27	70	20	0.20
DC20-4	4.0			22	0.20
DC20-5	5.0				0.20
DC20-6	6.0				0.20
DC20-8	8.0			32	0.20
DC20-10	10.0				0.18
DC20-12	12.0				0.16
DC20-16	16.0				0.14
DC20-20	20			26	0.20

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FIXTURE SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测边器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10070 BT 数控热缩刀柄 SHRINK-FIT CHUCK



- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐用性
- ★:利用热缩机加热，可快速装卸刀具
- ★:精度高，可用于高速加工
- ★:柄头细小，防干涉，可用于深孔加工
- ★:具有强力稳定的夹持力
- ★:简单高效，寿命长
- ★:刀柄精密动平衡 G2.5/30000rpm

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The use of heat shrinkable machine heating, can quickly install and uninstall tools
- ★:High precision, small beat, can be used for high speed high precision processing
- ★:Small handle head, can be used for deep hole processing
- ★:With strong and stable clamping force
- ★:Simple and efficient, long life
- ★:Shank dynamic balance standard: G2.5/30000rpm

规格Spec.	L	L2	L3	D1	D2	D3	D4	T	FIG
BT30xSFC5-80	80	20	53	5	16	19			I
BT30xSFC5-135	135		102		11	26	21.6		II
BT30xSFC6-80	80	36	53	6	21	26		M5x0.8P	I
BT30xSFC6-135	135		101		12		22.6		II
BT30xSFC8-80	80		53	8	21			M6x1.0P	I
BT30xSFC8-135	135		103		14		24.7		II
BT30xSFC10-80	80	42	53	10	24	29		M8x1.25P	I
BT30xSFC10-135	135		108		16	26			II
BT30xSFC12-80	80	47	53	12	24	29		M10x1.5P	I
BT30xSFC12-135	135		108		18	26			II
BT30xSFC14-80	80		46	14	24	32			I
BT30xSFC14-135	135		102		20	36	30.6		II
BT30xSFC16-80	80	50	55	16	27	32		M12x1.75P	I
BT30xSFC16-135	135		101		22	36	32.6		II
BT30xSFC18-90	90		66	18	33	38			I
BT30xSFC18-135	135		102		24	36	34.7		II
BT30xSFC20-90	90	52	66	20	33	38		M16x2.0P	I
BT30xSFC20-135	135		111		26	36			II
BT30xSFC25-100	100	58	78	25	44	49		M20x2.0P	I
BT30xSFC25-160	160		136		31	36			II

ZY-10072 BT 数控热缩刀柄 SHRINK-FIT CHUCK

注：可按照客户要求定制产品形式，如需中心进水与法兰盘侧面进水冷却的刀柄，请标明AD/B型，如BT.40AD/B-SFC12-90。

When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B. Such as BT40AD/B-SFC12-90.

规格 Spec.	L1	L2	L3	D1	D2	D3	D4	T	Fig.												
BT40xSFC6-90	90	36	58	6	21	26	22	M5x0.8P	I												
BT40xSFC6-135	135		96		12				26	22	M5x0.8P	II									
BT40xSFC6-165	165		127										12	26	22	M5x0.8P	II				
BT40xSFC6-200	200		168															12	26	22	M5x0.8P
BT40xSFC8-90	90		58	8		21	36	24													
BT40xSFC8-135	135		97		8				21	36	24	M6x1.0P									
BT40xSFC8-165	165		127										8	21	36	24	M6x1.0P				
BT40xSFC8-200	200		162															8	21	36	24
BT40xSFC10-90	90	58	10	24		29	26	M8x1.25P													
BT40xSFC10-135	135	97			10				24	29	26	M8x1.25P									
BT40xSFC10-165	165	127											10	24	29	26	M8x1.25P				
BT40xSFC10-200	200	161																10	24	29	26
BT40xSFC12-90	90	58	12	24		29	28	M10x1.5P													
BT40xSFC12-135	135	97			12				24	29	28	M10x1.5P									
BT40xSFC12-165	165	125											12	24	29	28	M10x1.5P				
BT40xSFC12-200	200	162																12	24	29	28
BT40xSFC14-90	90	58	14	27		32	30	M10x1.5P													
BT40xSFC14-135	135	97			14				27	32	30	M10x1.5P									
BT40xSFC14-165	165	126											14	27	32	30	M10x1.5P				
BT40xSFC14-200	200	168																14	27	32	30
BT40xSFC16-90	90	58	16	27		32	32	M12x1.75P													
BT40xSFC16-135	135	96			16				27	32	32	M12x1.75P									
BT40xSFC16-165	165	127											16	27	32	32	M12x1.75P				
BT40xSFC16-200	200	168																16	27	32	32
BT40xSFC18-100	100	68	18	33		38	34	M12x1.75P													
BT40xSFC18-135	135	97			18				33	38	34	M12x1.75P									
BT40xSFC18-165	165	133											18	33	38	34	M12x1.75P				
BT40xSFC18-200	200	168																18	33	38	34
BT40xSFC19-90	90	58	19	33		38	34	M16x2.0P													
BT40xSFC20-100	100	68			19				33	38	34	M16x2.0P									
BT40xSFC20-135	135	103											19	33	38	34	M16x2.0P				
BT40xSFC20-165	165	133																19	33	38	34
BT40xSFC20-200	200	168	19	33		38	34	M16x2.0P													
BT40xSFC24-90	90	61			24				44	49	41	M20x2.0P									
BT40xSFC25-100	100	71											24	44	49	41	M20x2.0P				
BT40xSFC25-135	135	97																24	44	49	41
BT40xSFC25-165	165	127	24	44		49	41	M20x2.0P													
BT40xSFC25-200	200	162			24				44	49	41	M20x2.0P									
BT40xSFC32-100	100	71											32	44	49	48	M20x2.0P				
BT40xSFC32-135	135	97																32	44	49	48
BT40xSFC32-165	165	136	32	44		49	48	M20x2.0P													
BT40xSFC32-200	200	171			32				44	49	48	M20x2.0P									

精密平口钳系列
PRECISION VISE SERIES

数控工具系列
CNC TOOL SYSTEMS

夹头系列
COLLET SERIES

铣刀杆系列
MILLING ARBOR SERIES

刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES

顶尖系列
CENTER SERIES

分度头系列
INDEX FEATURE SERIES

镗头系列
BORING HEADS SERIES

平行快系列
PARALLEL BLOCK SERIES

测功器系列
EDGE FINDER SERIES

其它系列
OTHER ACCESSORY SERIES

ZY-10074 BT 数控热缩刀柄 SHRINK-FIT CHUCK

注：可按照客户要求定制产品形式，如需中心进水与法兰盘侧面进水冷却的刀柄，请标明AD/B型，如BT.40AD/B-SFC12-100.

When order please indicate the hilt the concrete form. If needs in the center cold and the flange water leakage hilt, please mark AD/B. Such as BT40AD/B-SFC12-90.

规格 Spec .	L1	L2	L3	D1	D2	D3	D4	T	Fig .
BT50xSFC6-100	100	36	57	6	21	26		M5x0.8P	I
BT50xSFC6-135	135		86		12		21		II
BT50xSFC6-165	165		116				24		
BT50xSFC6-200	200		157						
BT50xSFC8-100	100		57	8	21	36		M6x1.0P	I
BT50xSFC8-135	135		86		14		23		II
BT50xSFC8-165	165		116				26		
BT50xSFC8-200	200		151				29		
BT50xSFC10-100	100		42	58	10	24	29	M8x1.25P	I
BT50xSFC10-135	135	86		16		25	II		
BT50xSFC10-165	165	116				28			
BT50xSFC10-200	200	151				31			
BT50xSFC12-100	100	47	52	12	24	29	M10x1.5P	I	
BT50xSFC12-135	135		86		18	27		II	
BT50xSFC12-165	165		116			30			
BT50xSFC12-200	200		150			33			
BT50xSFC14-100	100	47	57	14	27	32	M10x1.5P	I	
BT50xSFC14-135	135		86		20	29		II	
BT50xSFC14-165	165		116			32			
BT50xSFC14-200	200		157						
BT50xSFC16-100	100	50	52	16	27	32	M12x1.75P	I	
BT50xSFC16-135	135		86		22	31		II	
BT50xSFC16-165	165		116			34			
BT50xSFC16-200	200		157						
BT50xSFC18-110	110	52	62	18	33	38	M12x1.75P	I	
BT50xSFC18-135	135	52	85		24	36		32	II
BT50xSFC18-165	165		122						
BT50xSFC18-200	200		157						
BT50xSFC20-110	110	52	67	20	33	38	M16x2.0P	I	
BT50xSFC20-135	135		86		26	35		II	
BT50xSFC20-165	165		117						
BT50xSFC20-200	200		152						
BT50xSFC25-110	110	58	67	25	44	49	M20x2.0P	I	
BT50xSFC25-135	135		86		31			40	II
BT50xSFC25-165	165		116					43	
BT50xSFC25-200	200		150					46	
BT50xSFC32-110	110	58	67	32	44	49	M20x2.0P	I	
BT50xSFC32-135	135		86		38			47	II
BT50xSFC32-165	165		122						
BT50xSFC32-200	200		157						

ZY-10076 DIN69871数控热缩刀柄 SHRINK-FIT CHUCK



FIG I

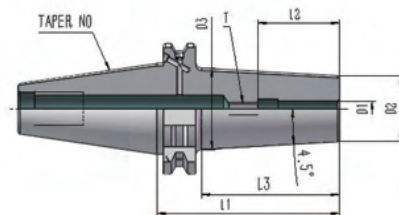
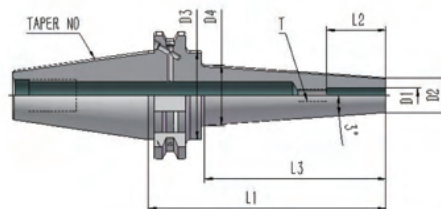


FIG II



- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐用性
- ★:利用热缩机加热，可快速装卸刀具
- ★:精度高，跳动小，可用于高速加工
- ★:柄头细小，干涉小，可用于深孔加工
- ★:具有强力稳定的夹持力
- ★:简单高效，寿命长
- ★:刀柄精密动平衡 G2.5/30000rpm

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The use of heat shrinkable machine heating, can quickly install and uninstall tools
- ★:High precision, small beat, can be used for high speed high precision processing
- ★:Small handle head, can be used for deep hole processing
- ★:With strong and stable clamping force
- ★:Simple and efficient, long life
- ★:Shank dynamic balance standard: G2.5/30000rpm

规格Spec.	L	L2	L3	D1	D2	D3	D4	T	FIG
DIN.30AD/BxSFC5-80	80	20	53	5	16	19			I
DIN.30AD/BxSFC5-135	135		102		11	26	21.6		II
DIN.30AD/BxSFC6-80	80	36	53	6	21	26		M5x0.8P	I
DIN.30AD/BxSFC6-135	135		101		12		22.6		II
DIN.30AD/BxSFC8-80	80		53	8	21			M6x1.0P	I
DIN.30AD/BxSFC8-135	135		103		14		24.7		II
DIN.30AD/BxSFC10-80	80	42	53	10	24	29		M8x1.25P	I
DIN.30AD/BxSFC10-135	135		108		16	26			II
DIN.30AD/BxSFC12-80	80	47	53	12	24	29		M10x1.5P	I
DIN.30AD/BxSFC12-135	135		108		18	26			II
DIN.30AD/BxSFC14-80	80		46	14	24	32			I
DIN.30AD/BxSFC14-135	135		102		20	36	30.6		II
DIN.30AD/BxSFC16-80	80	50	55	16	27	32		M12x1.75P	I
DIN.30AD/BxSFC16-135	135		101		22	36	32.6		II
DIN.30AD/BxSFC18-90	90		66	18	33	38			I
DIN.30AD/BxSFC18-135	135		102		24	36	34.7		II
DIN.30AD/BxSFC20-90	90	52	66	20	33	38		M16x2.0P	I
DIN.30AD/BxSFC20-135	135		111		26	36			II
DIN.30AD/BxSFC25-100	100	58	78	25	44	49		M20x2.0P	I
DIN.30AD/BxSFC25-160	160		136		31	36			II

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀杆系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEXER SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10078 DIN69871 数控热缩刀柄 SHRINK-FIT CHUCK

规格 Spec.	L1	L2	L3	D1	D2	D3	D4	T	Fig.
DIN.40AD/BxSFC6-90	90	36	58	6	21	26	22	M5x0.8P	I
DIN.40AD/BxSFC6-135	135		96		12				II
DIN.40AD/BxSFC6-165	165		127						
DIN.40AD/BxSFC8-90	90	36	58	8	21	36	24 27	M6x1.0P	I
DIN.40AD/BxSFC8-135	135		97		14				II
DIN.40AD/BxSFC8-165	165		127						
DIN.40AD/BxSFC10-90	90	42	58	10	24	29	26	M8x1.25P	I
DIN.40AD/BxSFC10-135	135		97		16	36			II
DIN.40AD/BxSFC10-165	165		127						
DIN.40AD/BxSFC12-90	90	47	58	12	24	29	28 31	M10x1.5P	I
DIN.40AD/BxSFC12-135	135		97		18	36			II
DIN.40AD/BxSFC12-165	165		125						
DIN.40AD/BxSFC14-90	90	47	58	14	27	32	30 33	M10x1.5P	I
DIN.40AD/BxSFC14-135	135		97		20	36			II
DIN.40AD/BxSFC14-165	165		126						
DIN.40AD/BxSFC16-90	90	50	58	16	27	32	32 35	M12x1.75P	I
DIN.40AD/BxSFC16-135	135		96		22	36			II
DIN.40AD/BxSFC16-165	165		127						
DIN.40AD/BxSFC18-100	100	52	68	18	33	38	34	M12x1.75P	I
DIN.40AD/BxSFC18-135	135	52	97		24	36			II
DIN.40AD/BxSFC18-165	165		133						
DIN.40AD/BxSFC20-100	100	52	68	20	33	38	36	M16x2.0P	I
DIN.40AD/BxSFC20-135	135		103		26	36			II
DIN.40AD/BxSFC20-165	165		133						
DIN.40AD/BxSFC25-100	100	58	71	25	44	49	41 44	M20x2.0P	I
DIN.40AD/BxSFC25-135	135		97		31				II
DIN.40AD/BxSFC25-165	165		127						
DIN.40AD/BxSFC32-100	100	58	71	32	44	38	48	M20x2.0P	I
DIN.40AD/BxSFC32-135	135		97						II
DIN.40AD/BxSFC32-165	165		136						

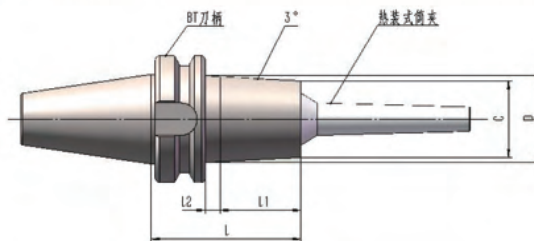
ZY-10080 DIN69871 热缩刀柄 SHRINK-FIT CHUCK

规格 Spec.	L1	L2	L3	D1	D2	D3	D4	T	Fig.	
DIN. 50AD/BxSFC6—100	100	36	57	6	21	26		M5x0.8P	I	
DIN. 50AD/BxSFC6—135	135		86		12		21		II	
DIN. 50AD/BxSFC6—165	165		116				24			
DIN. 50AD/BxSFC6—200	200		157							
DIN. 50AD/BxSFC8—100	100		57	8		21	36			M6x1.0P
DIN. 50AD/BxSFC8—135	135		86		14	23		II		
DIN. 50AD/BxSFC8—165	165		116			26				
DIN. 50AD/BxSFC8—200	200		151			29				
DIN. 50AD/BxSFC10—100	100	42	58	10		24	29		M8x1.25P	I
DIN. 50AD/BxSFC10—135	135		86		16	36	25	II		
DIN. 50AD/BxSFC10—165	165		116				28			
DIN. 50AD/BxSFC10—200	200		151				31			
DIN. 50AD/BxSFC12—100	100	47	52	12			24		29	M10x1.5P
DIN. 50AD/BxSFC12—135	135		86		18	36	27	II		
DIN. 50AD/BxSFC12—165	165		116				30			
DIN. 50AD/BxSFC12—200	200		150				33			
DIN. 50AD/BxSFC14—100	100	47	57	14			27		32	M10x1.5P
DIN. 50AD/BxSFC14—135	135		86		20	36	29	II		
DIN. 50AD/BxSFC14—165	165		116				32			
DIN. 50AD/BxSFC14—200	200		157							
DIN. 50AD/BxSFC16—100	100	50	52	16			27		32	M12x1.75P
DIN. 50AD/BxSFC16—135	135		86		22	36	31	II		
DIN. 50AD/BxSFC16—165	165		116				34			
DIN. 50AD/BxSFC16—200	200		157							
DIN. 50AD/BxSFC18—110	110	52	62	18			33		38	M12x1.75P
DIN. 50AD/BxSFC18—135	135	52	85		24	36	32	II		
DIN. 50AD/BxSFC18—165	165		122							
DIN. 50AD/BxSFC18—200	200		157							
DIN. 50AD/BxSFC20—110	110		52	67			20		33	38
DIN. 50AD/BxSFC20—135	135	86		26	36	35		II		
DIN. 50AD/BxSFC20—165	165	117								
DIN. 50AD/BxSFC20—200	200	152								
DIN. 50AD/BxSFC25—110	110	58	67			25	44		49	M20x2.0P
DIN. 50AD/BxSFC25—135	135		86	31	40		II			
DIN. 50AD/BxSFC25—165	165		116					43		
DIN. 50AD/BxSFC25—200	200		150					46		
DIN. 50AD/BxSFC32—110	110	58	67			32		44	38	M20x2.0P
DIN. 50AD/BxSFC32—135	135		86	47	II					
DIN. 50AD/BxSFC32—165	165		122							
DIN. 50AD/BxSFC32—200	200		157							

精密平口钳系列
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MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FEATURE SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测边器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY—10082 BT—SLK12热缩刀柄分体式 BT -SLK12 HEAT SHRINK SPLIT TYPE HOLDER

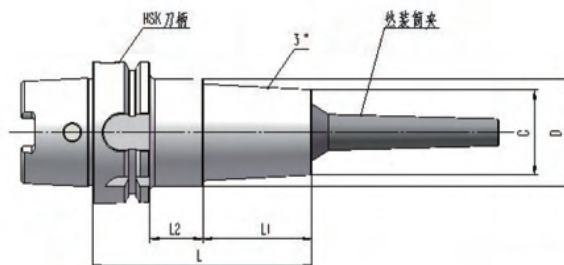
- ★:刀柄采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:刀柄内锥可更换不同规格的热缩筒夹，筒夹更换方便，减少热缩次数。
- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The inner cone of the shank can be installed the heat-shrinkable collets of different specifications, which is convenient to replace and reduce the heat shrinkable times.



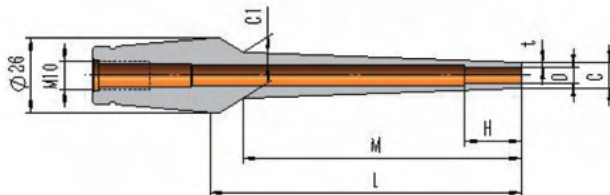
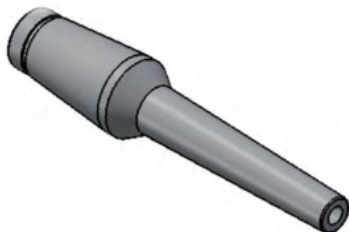
型号 Model No.	L mm	C mm	D mm	L1 mm	L2 mm	Kg
BT30-SLK12-35	35	38	—	13	—	0.4
BT40-SLK12-45	45	38	—	18	—	1.1
BT40-SLK12-75	75	38	—	48	—	1.4
BT40-SLK12-135	135	38	—	108	—	2.0
BT40-SLK12-165	165	38	—	138	—	2.3
BT40-SLK12-200	200	38	—	173	—	2.6
BT50-SLK12-75	75	38	65	25	12	4.0
BT50-SLK12-135	135	38	65	85	12	4.5
BT50-SLK12-180	180	38	65	130	12	5.5
BT50-SLK12-225	225	38	65	175	12	6.4
BT50-SLK12-315	315	38	65	225	52	11.0

ZY—10084 HSK—SLK12热缩刀柄分体式 HSK - SLK12 HEAT SHRINK SPLIT TYPE HOLDER

- ★:HSK刀柄采用高强度材质加工，在淬火、回火后经深冷处理，性能稳定，耐磨耐用
- ★:属于高速切削应用刀具的柄，可承受最大弯矩、扭矩
- ★:刀柄内锥可更换不同规格的筒夹，筒夹可配装不同规格的刀具
- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:HSK tool holder is used for high speed cutting applications, can withstand the maximum bending moment, torque
- ★:The internal cone of the tool handle can be replaced with different specifications of the collet, the collet can be fitted with different specifications of the tool



型号 Model No.	L mm	C mm	D mm	L1 mm	L2 mm	Kg
HSK50A-SLK12-75	75	38	—	49	—	0.8
HSK63A-SLK12-75	75	38	—	49	—	1.0
HSK63A-SLK12-135	135	38	—	109	—	1.7
HSK63A-SLK12-165	165	38	—	139	—	2.5
HSK63A-SLK12-200	200	38	—	174	—	3.1
HSK100A-SLK12-105	105	38	65	43	33	3.4
HSK100A-SLK12-165	165	38	65	103	33	4.4
HSK100A-SLK12-225	225	38	65	163	33	5.4
HSK100A-SLK12-315	315	38	65	253	33	6.4

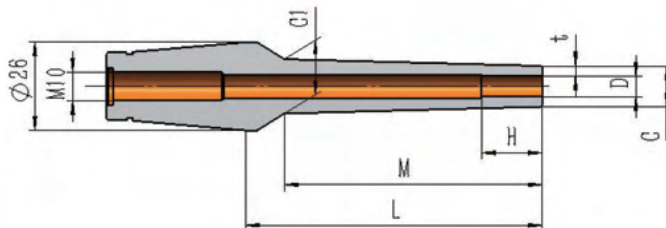
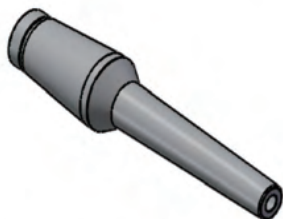
ZY-10086 BT-SLK12热缩分体式刀柄-配合热缩夹头 BT-SLK12HEAT SHRINK SPLIT TYPE HOLDER-USE WITH HEAT SHRINK COLLET
 ECS12 (细长型SLENDER FORM)


- ★:热装专用高强度材质, 高精度、高耐用、高夹持力、干涉小, 低温300度就可以热装, 空气、水都可以冷却, 表面无氧化层
- ★:BT-SLK12型热缩刀柄, 配合ECS12型热缩夹头使用更加方便, 无需更换BT系列基础刀柄, 只需更换热缩夹头即可满足工件加工要求, 节约成本提高功效, ECS型可换夹头分为, 细长型和标准型供客户选择

- ★:Special stainless steel for shrink-fit, high precision, high durability, high clamping force, small interference, low temperature 300 degrees can be install, air, water can be cooled, the surface without oxidation layer.
- ★:BT-SLK12 heat shrinkable handle, with ECS12 heat shrinkable chuck is more convenient to use, no need to replace the BT series basic tool handle, just replace the heat shrinkable chuck can meet the needs of different workpiece processing, save cost, improve efficiency, ECS type can be divided into long and thin type and standard type for customers to choose.

型 号 Model No.	ΦD	ΦC	t	L mm	M	ΦC1	H mm	Kg
ECS12-3-35	3	6	1.5	35	22	8.4	10	0.2
ECS12-3-55				55	42	10.5		
ECS12-3-80				80	67	13.1		
ECS12-3-110				110	97	16.2		
ECS12-3.175-35	3.175	6.175		35	22	8.5	10	
ECS12-3.175-55				55	42	10.6		
ECS12-3.175-80				80	67	13.2		
ECS12-3.175-110				110	97	16.4		
ECS12-4-35	4	7	1.5	35	22	9.4	12	
ECS12-4-55				55	42	11.5		
ECS12-4-80				80	67	14.1		
ECS12-4-110				110	97	17.2		
ECS12-6-35	6	9		35	22	11.4	18	
ECS12-6-55				55	42	13.5		
ECS12-6-80				80	67	15.1		
ECS12-6-110				110	97	19.2		
ECS12-8-35	8	11	1.5	35	22	13.4	24	0.2
ECS12-8-55				55	42	15.5		
ECS12-8-80				80	67	18.1		
ECS12-8-110				110	97	21.2		0.3
ECS12-10-35	10	13	1.5	35	22	15.4	30	0.2
ECS12-10-55				55	42	17.5		
ECS12-10-80				80	67	20.1		
ECS12-10-110				110	97	23.2		0.3
ECS12-12-35	12	15	1.5	35	22	17.4	30	0.2
ECS12-12-55				55	42	19.5		
ECS12-12-80				80	67	22.1		
ECS12-12-110				110				0.3

ZY-10088 BT-SLK12热缩分体式刀柄-配合热缩夹头 BT-SLK12HEAT SHRINK SPLIT TYPE HOLDER-USE WITH HEAT SHRINK COLLET ECS12 (标准型 STANDARD)



★:热装专用高强度材质, 高精度、高耐用、高夹持力、干涉小, 低温300度就可以热装, 空气、水都可以冷却, 表面无氧化层

★:BT-SLK12型热缩刀柄, 配合ECS12型热缩夹头使用更加方便, 无需更换BT系列基础刀柄, 只需更换热缩夹头即可满足工件加工要求, 节约成本提高功效, ECS型可换夹头分为, 细长型和标准型供客户选择

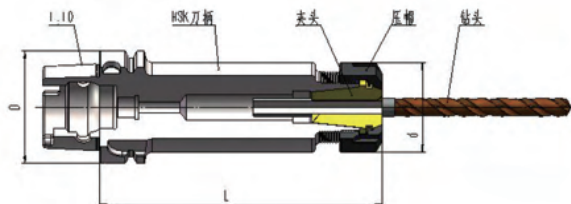
★:Special stainless steel for shrink-fit, high precision, high durability, high clamping force, small interference, low temperature 300 degrees can be install, air, water can be cooled, the surface without oxidation layer.

★:BT-SLK12 heat shrinkable handle, with ECS12 heat shrinkable chuck is more convenient to use, no need to replace the BT series basic tool handle, just replace the heat shrinkable chuck can meet the needs of different workpiece processing, save cost, improve efficiency, ECS type can be divided into long and thin type and standard type for customers to choose.

型号 Model No.	ΦD	ΦC	t	L mm	M	ΦC1	H mm	Kg
ECR12-3-35	3	7.5	2.25	35	22	9.9	10	0.2
ECR12-3-55				55	42	12		
ECR12-3-80				80	67	14.6		
ECR12-3-110				110	97	18.1		
ECR12-4-35	4	10	3	35	22	12.4	12	0.2
ECR12-4-55				55	42	14.5		
ECR12-4-80				80	67	17.1		
ECR12-4-110				110	97	20.1		
ECR12-6-35	6	12	3	35	22	14.4	18	0.2
ECR12-6-55				55	42	16.5		
ECR12-6-80				80	67	19.1		
ECR12-6-110				110	97	22.2		
ECR12-8-35	8	14	3	35	22	16.4	25	0.2
ECR12-8-55				55	42	18.5		
ECR12-8-80				80	67	21.1		
ECR12-8-110				110	97	24.2		0.3
ECR12-10-35	10	16	3	35	22	18.4	30	0.2
ECR12-10-55				55	42	20.5		
ECR12-10-80				80	67	23.1		
ECR12-10-110				110		25.5		
ECR12-12-35	12	20	4	35	22	22.4	30	0.2
ECR12-12-55				55	42	24.5		
ECR12-12-80				80		25.5		
ECR12-12-110					110			0.3

注: 可按照客户要求定制非标产品 Note: non-standard products can be customized according to customer requirements

ZY-10090 HSK(A型) ER铣刀柄 ER COLLET CHUCK



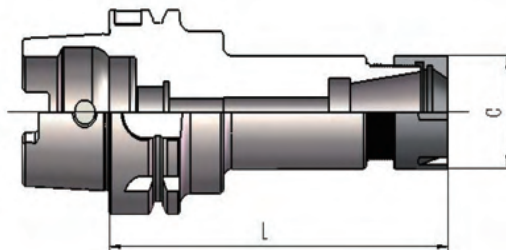
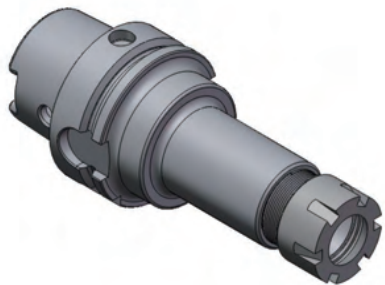
- ★: HSK刀柄采用高强度材质加工, 在淬火、回火后经深冷处理, 性能稳定, 耐磨耐用
- ★: 属于高速切削应用刀具的柄, 可承受最大弯矩、扭矩
- ★: ER夹头符合DIN6499标准
- ★: 整支通孔, 利于出水防震
- ★: 夹头精度有标准级 (0.01mm以内), A级 (0.005mm)
- ★: 刀具置入筒夹必须先置入螺帽, 再装入刀具, 最后锁固入刀柄体

- ★: Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★: HSK tool holder is used for high speed cutting applications, can withstand the maximum bending moment, torque
- ★: nut with balls, strong clamping power, Special purpose for heavy cutting.
- ★: Standard: DIN6388
- ★: With whole through hole, is beneficial to prevent vibration when water out
- ★: First put the collet into the nut, then the drill bit into collet, and finally tighten the nut to lock the holder

型号 Model No	夹持范围 clamping range	L mm	d mm	D mm
Model No HSK.AXER-L1				
HSK40AXER20-80	1-13	80	34	40
HSK40AXER25-80	1-16	80	42	40
HSK50AXER16-80	1-10	80	28	50
HSK50AXER16-100	1-10	100	28	50
HSK50AXER25-80	1-16	80	42	50
HSK50AXER25-100	1-16	100	42	50
HSK50AXER32-100	2-20	100	50	50
HSK50AXER32-120	2-20	120	50	50
HSK63AXER16-80	1-10	80	28	63
HSK63AXER16-100	1-10	100	28	63
HSK63AXER25-80	1-16	80	42	63
HSK63AXER25-100	1-16	100	42	63
HSK63AXER25-120	1-16	120	42	63
HSK63AXER32-80	2-20	80	50	63
HSK63AXER32-100	2-20	100	50	63
HSK63AXER32-120	2-20	120	50	63
HSK63AXER40-80	3-26	80	63	63
HSK63AXER40-100	3-26	100	63	63
HSK63AXER40-120	3-26	120	63	63
HSK100AXER25-100	1-16	100	42	100
HSK100AXER25-120	1-16	120	42	100
HSK100AXER32-100	2-20	100	50	100
HSK100AXER32-120	2-20	120	50	100
HSK100AXER40-100	3-26	100	63	100
HSK100AXER40-120	3-26	120	63	100

精密平口钳系列
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KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FUTURE SERIES镗头系列
BORING HEADS SERIES平行快夹系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10092 HSK (A型) ERM型铣刀柄 COLLET CHUCK

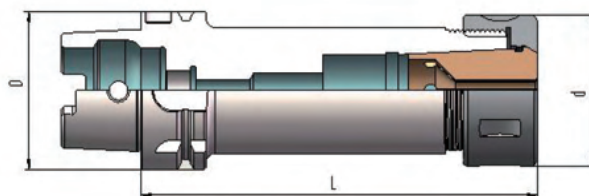


- ★: HSK刀柄采用高强度材质加工, 在淬火、回火后经深冷处理, 性能稳定, 耐磨耐用
- ★: 该刀柄是用于高速切削应用刀具的柄, 可承受最大弯矩、扭矩
- ★: 夹头样式有弹性、止水、刚性攻丝、攻丝止水可供选择。
- ★: 整支通孔, 利于出水防震
- ★: 刀柄内锥跳动精度0.002mm
- ★: 刀具置入筒夹必须先置入螺帽, 再装入刀具, 最后锁固入刀柄体

- ★: HSK Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★: HSK tool holder is used for high speed cutting applications, can withstand the maximum bending moment, torque
- ★: Collet has spring, sealed, tapping, tapping sealed and other types available.
- ★: With whole through hole, is beneficial to prevent vibration when water out
- ★: The chuck run-out precision have standard grade 0.002mm
- ★: First put the collet into the nut, then the drill bit into collet, and finally tighten the nut to lock the holder

型号 MODEL No.	夹持范围CLAMPING RANGE	C mm	L mm	NUT/COLLET	重量(kg)
HSK 50A-ER11M-75	0.5 ~ 7.0	16	75	ER11M/ER11	0.3
HSK 50A-ER16M-90	0.5 ~ 10.0	22	90	ER16M/ER16	0.4
HSK 50A-ER20M-95	0.5 ~ 13.0	28	95	ER20M/ER20	0.8
HSK 50A-ER25M-105	1.0 ~ 16.0	35	105	ER25M /ER25	1.2
HSK 63A-ER11M-75	0.5 ~ 7.0	16	75	ER11M/ER11	0.8
HSK 63A-ER16M-90	0.5 ~ 10.0	22	90	ER16M/ER16	1.0
HSK 63A-ER20M-95	0.5 ~ 13.0	28	95	ER20M/ER20	1.2
HSK 63A-ER25M-105	1.0 ~ 16.0	35	105	ER25M/ER25	1.4
HSK100A-ER11M-85	0.5 ~ 7.0	16	85	ER11M/ER11	2.4
HSK100A-ER16M-95	0.5 ~ 10.0	22	95	ER16M/ER16	2.7
HSK100A-ER20M-105	0.5 ~ 13.0	28	105	ER20M/ER20	3.0
HSK100A-ER25M-120	1.0 ~ 16.0	35	120	ER25M/ER25	3.2

ZY-10094 HSK (A型) EOC/OZ 型铣刀柄 EOC/OZ COLLET CHUCK

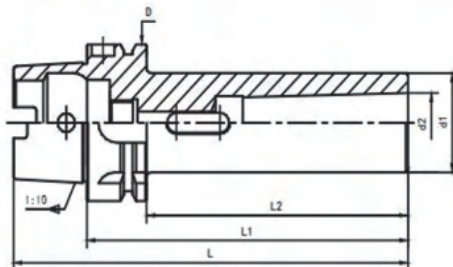


- ★: HSK刀柄采用高强度材质加工, 在淬火、回火后经深冷处理, 性能稳定, 耐磨耐用
- ★: 该刀柄是用于高速切削应用刀具的柄, 可承受最大弯矩、扭矩
- ★: 钢珠螺帽设计, 增大了夹持力, 属于重切削专用
- ★: 筒夹规格符合DIN6388标准
- ★: 整支通孔, 利于出水防震
- ★: 刀具置入筒夹必须先置入螺帽, 再装入刀具, 最后锁固入刀柄体

- ★: Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★: HSK tool holder is used for high speed cutting applications, can withstand the maximum bending moment, torque
- ★: nut with balls, strong clamping power, Special purpose for heavy cutting.
- ★: Standard: DIN6388
- ★: With whole through hole, is beneficial to prevent vibration when water out
- ★: First put the collet into the nut, then the drill bit into collet, and finally tighten the nut to lock the holder

规格 TYPE —L	L mm	D mm	d mm	重量(KGS) WEIGHT
HSK 50AxOZ25-100	100	50	60	1.10
HSK 50AxOZ25-120	120			1.30
HSK 50AxOZ25-150	150			1.50
HSK 50A x OZ32-120	120		72	2.1
HSK 50AxOZ32-150	150			2.30
HSK 63AxOZ25-100	100	63	60	1.30
HSK 63AxOZ25-120	120			1.50
HSK 63AxOZ25-150	150			1.70
HSK 63AxOZ32-120	120		72	2.30
HSK 63AxOZ32-150	150			2.50
HSK100AxOZ25-100	100	100	60	3.50
HSK100AxOZ25-120	120			3.70
HSK100AxOZ25-150	150			4.70
HSK100AxOZ32-130	130		72	4.10
HSK100AxOZ32-150	150			4.50

ZY-10096 HSK (A型) 变径套 MORSE TAPER ADAPTER

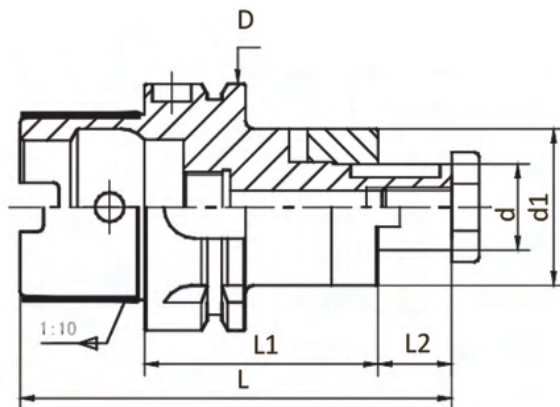


- ★: HSK刀柄采用高强度材质加工，在淬火、回火后经深冷处理，性能稳定，耐磨耐用
- ★: 该刀柄是用于高速切削应用刀具的柄，可承受最大弯矩、扭矩
- ★: 内锥可装夹刀具用于加工零件
- ★: 可快速取出刀具，使用方便
- ★: 降低了刀具和刀套的磨损度

- ★: Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★ HSK tool handle is used for high speed cutting applications tool handle, can withstand the maximum bending moment, torque
- ★: The inside cone can be installed clamping tool for processing parts
- ★ Can quickly take out the tool, easy to use
- ★ Reduced tool and tool wear

型 号 Model No. HSK.AXMS-L1	Lmm	L2mm	Dmm	d1mm	d2mm
HSK50AXMS2-120	145	94	50	32	17.780
HSK50AXMS3-140	165	114	50	40	23.825
HSK63AXMS2-120	152	94	63	32	17.780
HSK63AXMS3-140	172	114	63	40	23.825
HSK63AXMS4-160	192	134	63	48	31.267
HSK100AXMS1-110	160	81	100	25	12.065
HSK100AXMS2-120	170	91	100	32	17.780
HSK100AXMS3-150	200	121	100	40	23.825
HSK100AXMS4-170	220	141	100	48	31.267
HSK100AXMS5-200	250	171	100	63	44.399

ZY-10098 HSK (A型) 混合插入式铣刀杆 COMBI-SHELL END MILL HOLDER

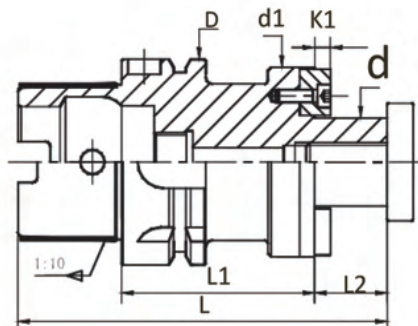
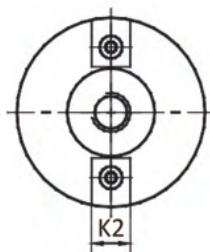


- ★: HSK刀柄采用高强度材质在淬火、回火后经深冷处理, 性能稳定, 耐磨耐用
- ★: 该刀柄是用于高速切削应用刀具的柄, 可承受最大弯矩、扭矩
- ★: 前端装配刀盘, 用于各种铣削
- ★: 此结构有助于缓冲和均匀分布切削力

- ★: Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★ HSK tool holder is used for high speed cutting applications tool handle, can withstand the maximum bending moment, torque
- ★: Front end assembly cutter disc, used for all kinds of milling
- ★ This structure helps to buffer and evenly distribute cutting forces

型号 Model No. HSK.AXd-L1	L mm	L2 mm	D mm	d mm	d1 mm
HSK50AX16-50	92	17	50	16	32
HSK50AX22-50	94	19	50	22	40
HSK50AX27-65	111	21	50	27	48
HSK50AX32-65	114	24	50	32	58
HSK63AX16-60	109	17	63	16	32
HSK63AX22-60	111	19	63	22	40
HSK63AX27-60	113	21	63	27	48
HSK63AX32-60	116	24	63	32	58
HSK63AX40-60	119	27	63	40	70
HSK100AX22-60	127	17	100	22	40
HSK100AX27-60	129	19	100	27	48
HSK100AX32-60	131	21	100	32	58
HSK100AX40-60	134	24	100	40	70
HSK100AX50-70	147	27	100	50	90
HSK100AX50-80	160	30	100	50	90

ZY-10100 HSK (A型) 套式铣刀杆 SHELL END MILL HOLDER

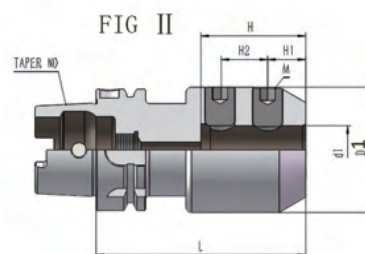
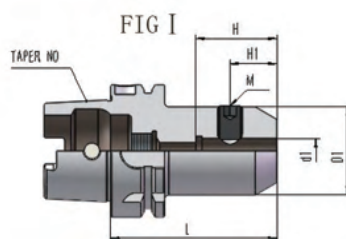


- ★: HSK刀柄采用高强度材质加工, 在淬火、回火后经深冷处理, 性能稳定, 耐磨耐用
- ★: 该刀柄是用于高速切削应用刀具的柄, 可承受最大弯矩、扭矩
- ★: 前端装配刀盘, 用于各种铣削
- ★: 此结构有助于缓冲和均匀分布切削力

- ★: Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★ HSK tool holder is used for high speed cutting applications tool handle, can withstand the maximum bending moment, torque
- ★: Front end assembly cutter disc, used for all kinds of milling
- ★ This structure helps to buffer and evenly distribute cutting forces

型 号 Model No.HSK.AXd-L1	L mm	L2 mm	D mm	d1 mm	k1 mm	k2 mm
HSK40AX16-50	86	16	40	38	3.8	8
HSK40AX22-60	98	18	40	48	4.8	10
HSK40AX27-60	100	20	40	60	5.8	12
HSK40AX32-60	102	22	40	62	6.8	14
HSK50AX16-50	91	16	50	38	3.8	8
HSK50AX22-60	103	18	50	48	4.8	10
HSK50AX27-60	105	20	50	60	5.8	12
HSK50AX32-60	107	22	50	62	6.8	14
HSK63AX16-50	98	16	63	38	3.8	8
HSK63AX22-50	100	18	63	48	4.8	10
HSK63AX27-60	112	20	63	60	5.8	12
HSK63AX32-60	116	22	63	62	6.8	14
HSK63AX40-60	119	25	63	78	8.3	16
HSK100AX22-50	118	18	100	48	4.8	10
HSK100AX27-50	120	20	100	60	5.8	12
HSK100AX32-50	122	22	100	62	6.8	14
HSK100AX40-60	135	25	100	78	8.3	16

ZY-10102 HSK刀柄-侧固式 HSK-SIDE LOCK TOOL HOLDER

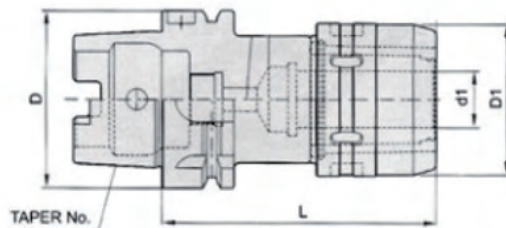


- ★: HSK刀柄采用高强度材质加工, 在淬火、回火后经深冷处理, 性能稳定, 耐磨耐用
- ★: 该刀柄是用于高速切削应用刀具的柄, 可承受最大弯矩、扭矩
- ★: 锥度精度 < AT3
- ★: 硬度: HRC58~62, 渗碳深度 > 0.8mm

- ★: Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★: HSK tool holder is used for high speed cutting applications tool handle, can withstand the maximum bending moment, torque
- ★: Taper accuracy < AT3
- ★: Hardness: HRC58~62, carburized depth of > 0.8

型号 MODEL No.	d1 mm	D1 mm	L mm	H mm	H1 mm	M	FIG.	重量(kg)
HSK40A-SLN6-60	6	25	60	35	18	M6	I	0.3
HSK40A-SLN8-60	8	28	60	35	18	M8	I	0.3
HSK40A-SLN10-60	10	35	60	35.5	20	M10	I	0.4
HSK40A-SLN12-70	12	40	70	36	22.5	M12	I	0.4
HSK40A-SLN14-70	14	42	70	36	22.5	M12	I	0.6
HSK40A-SLN16-80	16	44	80	46	24	M14	I	0.7
HSK50A-SLN6-65	6	25	65	35	18	M6	I	0.8
HSK50A-SLN8-65	8	28	65	35	18	M8	I	0.8
HSK50A-SLN10-65	10	35	65	35.5	20	M10	I	1.2
HSK50A-SLN12-80	12	40	80	36	22.5	M12	I	1.3
HSK50A-SLN14-80	14	42	80	36	22.5	M12	I	1.3
HSK50A-SLN16-80	16	44	80	46	24	M14	I	1.4
HSK50A-SLN18-80	18	46	80	46	24	M14	I	1.5
HSK50A-SLN20-80	20	50	80	48	25	M16	I	0.8
HSK63A-SLN6-65	6	25	65	35	18	M6	I	0.8
HSK63A-SLN8-65	8	28	65	35	18	M8	I	0.8
HSK63A-SLN10-65	10	35	65	35.5	20	M10	I	0.9
HSK63A-SLN12-80	12	40	80	36	22.5	M12	I	1.1
HSK63A-SLN14-80	14	42	80	36	22.5	M12	I	1.2
HSK63A-SLN16-80	16	44	80	46	24	M14	I	1.3
HSK63A-SLN18-80	18	46	80	46	24	M14	I	1.4
HSK63A-SLN20-80	20	50	80	48	25	M16	I	1.5
HSK63A-SLN25-110	25	53	110	55	25	M16	II	2.3
HSK63A-SLN32-110	32	61	110	57	28	M16	II	2.6
HSK100A-SLN6-80	6	25	80	35	18	M6	I	2.15
HSK100A-SLN8-80	8	28	80	35	18	M8	I	2.2
HSK100A-SLN10-80	10	35	80	35.5	20	M10	I	2.35
HSK100A-SLN12-80	12	40	80	36	22.5	M12	I	2.45
HSK100A-SLN14-80	14	42	80	36	22.5	M12	I	2.65
HSK100A-SLN16-100	16	44	100	46	24	M14	I	2.85
HSK100A-SLN18-100	18	46	100	46	24	M14	I	2.9
HSK100A-SLN20-100	20	50	100	48	25	M16	I	2.95
HSK100A-SLN25-100	25	53	100	55	25	M16	II	3.45
HSK100A-SLN32-100	32	61	100	57	28	M16	II	3.65
HSK100A-SLN40-120	40	80	120	68	32	M16	II	5.5

ZY-10104 HSK数控强力刀柄 MILLING CHUCK ARBORS

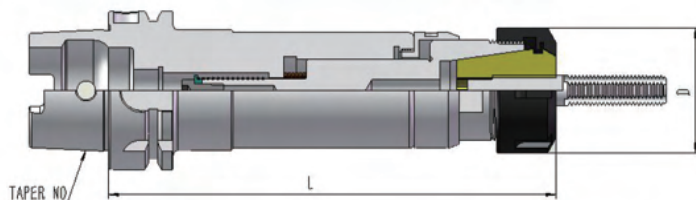


- ★:刀柄采用高强度材质在淬火、回火后经深冷处理,性能稳定,耐磨耐用
- ★:HSK刀柄是用于高速切削应用刀具的柄,可承受最大弯矩、扭矩
- ★:具有夹紧力大,定心精度高的特点,特别适用于强力切削加工

- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:HSK tool holder is used for high speed cutting applications tool handle, can withstand the maximum bending moment, torque
- ★:With the characteristics of large clamping force and high centering accuracy, especially suitable for strong cutting

型号 MODEL No.	d1 mm	D mm	D1 mm	L mm	重量(kg)
HSK50A-C20-110	20	50	54	110	1.30
HSK63A-C20-110	20	63	54	110	1.50
HSK63A-C25-120	25	63	62.5	120	2.20
HSK63A-C32-130	32	63	70	130	2.70
HSK100A-C20-110	20	100	54	110	3.50
HSK100A-C25-130	25	100	62.5	130	3.80
HSK100A-C32-135	32	100	70	135	4.20
HSK100A-C42-140	42	100	87	140	5.30

ZY-10106 HSK-TER刀柄

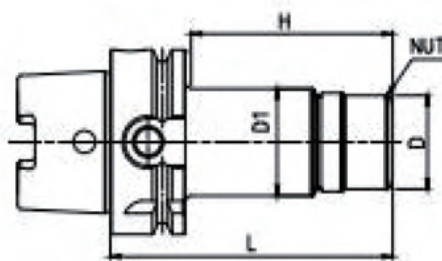


- ★:该刀柄是攻丝专用刀柄,内部含有弹簧,在柔性攻丝的同时既保护丝锥,防止丝锥折断,也延长了丝锥的使用寿命
- ★:攻完螺纹反转时,刀柄在拉伸方向也提供补偿,减少了对丝锥的损伤

- ★:Special holder for tapping, with a spring inside, which can not only protect the tap and prevent the tap from breaking, but also extend the service life of the tap
- ★:When the tap is reversed after tapping, the holder also provides compensation in the drawing direction, reducing the damage to the tap

型号 MODEL No.	尺寸 TAP SIZE	夹持范围 CLAMPING RANGE	NUT	D mm	L mm
HSK63A-TER16-175	M3~M10	4.0~7.0	ER16	28	175
HSK63A-TER20-180	M3~M14	4.0 ~ 10.5	ER20	34	180
HSK63A-TER32-185	M4~M18	5.0~14.0	ER32	50	185

ZY-10108 HSK刀柄-SK系列 HSK HEAT SHRINKABLE SHANK-SK SERIES



★:刀柄采用高强度材质在淬火、回火后经深冷处理,性能稳定,耐磨耐用

★:HSK刀柄是用于高速切削应用刀具的柄,可承受最大弯矩、扭矩

★:SK夹头具有高转速,高精度特性,是数控机床专用夹头

★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable

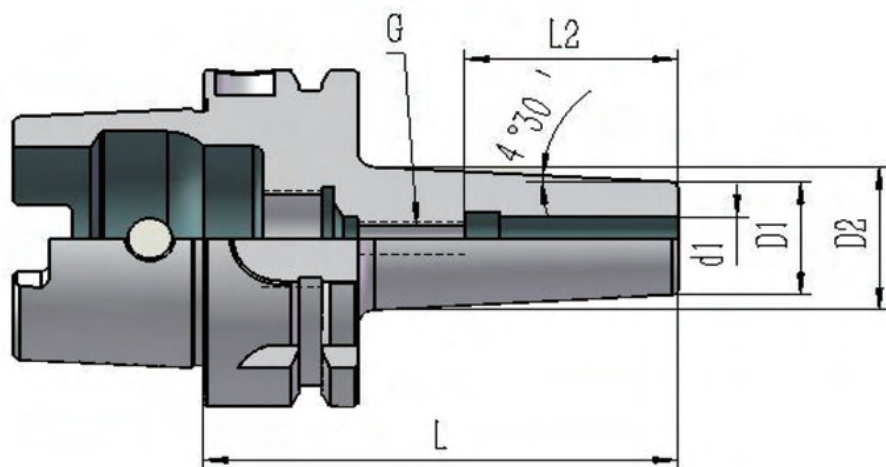
★:HSK tool holder is used for high speed cutting applications, it can withstand the maximum bending moment and torque

★:SK chuck with high speed, high precision characteristics, is a special chuck CNC machine tools

型号 MODEL No.	D mm	D1 mm	L mm	H	
				Min	Max
HSK32A-SK06-50	20	19.5	50	21	35
HSK32A-SK10-60	28	27.5	60	30	50
HSK40A-SK06-60	20	19.5	60	21	35
HSK40A-SK10-60	28	27.5	60	30	50
HSK40A-SK13-80	33	33	80	31	65
HSK50A-SK06-80	20	19.5	80	21	35
HSK50A-SK10-100	28	27.5	100	30	50
HSK50A-SK13-100	33	33	100	31	65
HSK63A-SK06-100	20	19.5	100	21	35
HSK63A-SK10-100	28	27.5	100	30	50
HSK63A-SK13-100	33	33	100	31	65
HSK63A-SK16-120	40	40	120	45	70
HSK63A-SK20-120	48.5	48.5	120	65	75
HSK63A-SK25-150	55	55	150	55	85
HSK80A-SK6-100	20	19.5	100	21	35
HSK80A-SK10-120	28	27.5	120	30	50
HSK80A-SK13-120	33	33	120	31	65
HSK80A-SK16-120	40	40	120	45	70
HSK80A-SK20-130	48.5	48.5	130	65	75
HSK80A-SK25-150	55	55	150	55	85
HSK100A-SK06-120	20	19.5	120	21	35
HSK100A-SK10-150	28	27.5	150	30	50
HSK100A-SK13-150	33	40	150	31	65
HSK100A-SK16-150	40	40	150	45	70
HSK100A-SK20-150	48.5	48.5	150	65	75
HSK100A-SK25-160	55	55	160	55	85

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀夹头系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FEATURE SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY—10110 HSK (A型) 热缩刀柄 SHRINK FIT CHUCK



★:采用高强度特殊材质加工，淬火、回火后经深冷处理，产品性能稳定，耐磨耐用

★:HSK热缩刀柄是用于高速切削应用刀具的柄，可承受最大弯矩、扭矩

★:利用热缩机加热，可快速装卸刀具

★:精度高，用于高速高精度加工

★:具有强力稳定的夹持力

★:刀柄精密动平衡 G2.5/30000rpm

★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable

★:HSK tool holder is used for high speed cutting applications, can withstand the maximum bending moment, torque

★ The use of heat shrinkable machine heating, can quickly install and uninstall tools

★ High precision, small beat, can be used for high speed high precision processing

★ With strong and stable clamping force

★:Shank dynamic balance standard: G2.5/30000rpm

型号 MODEL No.	d1 mm	D1 mm	D2 mm	L mm	L2 mm	G
HSK40A-SFH5-80	5	16	22	80	20	—
HSK40A-SFH6-60	6	21	27	60	36	M5X0.8
HSK40A-SFH6-80	6	21	27	80	36	M5X0.8
HSK40A-SFH8-70	8	21	27	70	36	M6x1.0
HSK40A-SFH8-90	8	21	27	90	36	M6X1.0
HSK40A-SFH10-70	10	24	32	70	42	M8x1.25
HSK40A-SFH10-90	10	24	32	90	42	M8x1.25

ZY—10112 HSK (A型) 热缩刀柄

SHRINK-FIT CHUCK

型号 MODEL No.	d1 mm	D1 mm	D2 mm	L mm	L2 mm	G
HSK50A-SFH5-80	5	16	22	80	20	—
HSK50A-SFH6-80	6	21	27	80	36	M5x0.8
HSK50A-SFH8-80	8	21	27	80	36	M6X1
HSK50A-SFH10-85	10	24	32	85	42	M8X1.25
HSK50A-SFH12-90	12	24	32	90	47	M10x1.5
HSK50A-SFH14-90	14	24	32	90	47	M10X1.5
HSK50A-SFH16-95	16	27	34	95	50	M12x1.75
HSK50A-SFH18-95	18	33	42	95	50	M12x1.75
HSK50A-SFH20-100	20	33	42	100	52	M16x2.0
HSK63A-SFH5-80	5	16	22	80	20	—
HSK63A-SFH6-80	6	21	27	80	36	M5X0.8
HSK63A-SFH6-150	6	21	27	150	36	M5X0.8
HSK63A-SFH8-80	8	21	27	80	36	M6X1.0
HSK63A-SFH8-150	8	21	27	150	36	M6X1.0
HSK63A-SFH10-85	10	24	32	85	42	M8X1.25
HSK63A-SFH10-150	10	24	32	150	42	M8x1.25
HSK63A-SFH12-90	12	24	32	90	47	M10X1.5
HSK63A-SFH12-150	12	24	32	150	47	M10X1.5
HSK63A-SFH14-90	14	27	34	90	47	M10X1.5
HSK63A-SFH14-150	14	27	34	150	47	M10X1.5
HSK63A-SFH16-95	16	27	34	95	50	M12x1.75
HSK63A-SFH16-150	16	27	34	150	50	M12x1.75
HSK63A-SFH18-95	18	33	42	95	50	M12x1.75
HSK63A-SFH18-150	18	33	42	150	50	M12x1.75
HSK63A-SFH20-100	20	33	42	100	52	M16x2.0
HSK63A-SFH20-150	20	33	42	150	52	M16x2.0
HSK63A-SFH25-115	25	44	53	115	58	M20x2.0
HSK63A-SFH25-150	25	44	53	150	58	M20x2.0

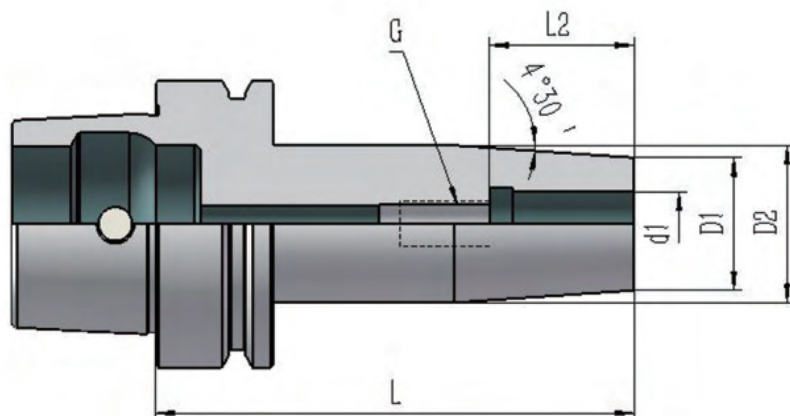
精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀柄系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FEATURE SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY—10114 HSK (A型) 热缩刀柄

SHRINK-FIT CHUCK

型号 MODEL No.	d1 mm	D1 mm	D2 mm	L mm	L2 mm	G
HSK80A-SFH6-85	6	21	27	85	36	M5x0.8
HSK80A-SFH8-85	8	21	27	85	36	M6x1.0
HSK80A-SFH10-90	10	24	32	90	42	M8x1.25
HSK80A-SFH12-95	12	24	32	95	47	M10x1.5
HSK80A-SFH14-95	14	27	34	95	47	M10x1.5
HSK80A-SFH16-100	16	27	34	100	50	M12x1.75
HSK80A-SFH18-100	18	33	42	100	50	M12x1.75
HSK80A-SFH20-105	20	33	42	105	52	M16x2.0
HSK80A-SFH25-115	25	44	53	115	58	M16x2.0
HSK100A-SFH5-85	5	16	22	85	20	—
HSK100A-SFH6-85	6	21	27	85	36	M5x0.8
HSK100A-SFH6-160	6	21	27	160	36	M5x0.8
HSK100A-SFH8-85	8	21	27	85	36	M6x1.0
HSK100A-SFH8-160	8	21	27	160	36	M6x1.0
HSK100A-SFH10-90	10	24	32	90	42	M8x1.25
HSK100A-SFH10-160	10	24	32	160	42	M8x1.25
HSK100A-SFH12-95	12	24	32	95	47	M10x1.5
HSK100A-SFH12-160	12	24	32	160	47	M10x1.5
HSK100A-SFH14-95	14	27	34	95	47	M10x1.5
HSK100A-SFH14-160	14	27	34	160	47	M10x1.5
HSK100A-SFH16-100	16	27	34	100	50	M12x1.75
HSK100A-SFH16-160	16	27	34	160	50	M12x1.75
HSK100A-SFH18-100	18	33	42	100	50	M12x1.75
HSK100A-SFH18-160	18	33	42	160	50	M12X1.75
HSK100A-SFH20-100	20	33	42	100	52	M16x2.0
HSK100A-SFH20-160	20	33	42	160	52	M16x2.0
HSK100A-SFH25-115	25	44	53	115	58	M16x2.0
HSK100A-SFH25-160	25	44	53	160	58	M16x2.0

ZY—10116 HSK (E型) 热缩刀柄 SHRINK FIT CHUCK



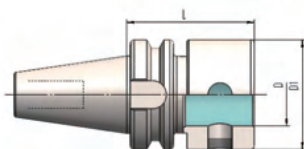
- ★:采用高强度特殊材质加工，淬火、回火后经深冷处理，产品性能稳定，耐磨耐用
- ★:HSK E型热缩刀柄是用于高速切削应用刀具的柄
- ★:利用热缩机加热，可快速装卸刀具
- ★:精度高，可用于高速高精度加工
- ★:具有强力稳定的夹持力
- ★:刀柄精密动平衡 G2.5/30000rpm

- ★:Adopt high strength special material, after quenching , through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:HSK E tool holder is used for high speed cutting applications
- ★ The use of heat shrinkable machine heating, can quickly Install and uninstall tools
- ★ High precision, small beat, can be used for high speed high precision processing
- ★ With strong and stable clamping force
- ★:Shank dynamic balance standard: G2.5/30000rpm

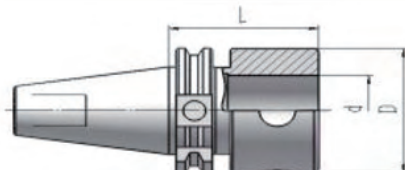
型号 MODEL No	d1 mm	D1 mm	D2 mm	L mm	L2 mm	G
HSK25E-SFH5-50	5	16	20	50	20	—
HSK25E-SFH6-50	6	21	25	50	36	—
HSK25E-SFH8-50	8	21	26	50	36	—
HSK25E-SFH10-50	10	21	26	50	42	—
HSK32E-SFH5-50	5	16	20	50	20	—
HSK32E-SFH6-50	6	21	25	50	36	—
HSK32E-SFH8-60	8	21	26	60	36	M6X1.0
HSK32E-SFH10-60	10	21	26	60	42	M8X1.25
HSK40E-SFH5-80	5	16	22	80	20	—
HSK40E-SFH6-80	6	21	27	80	36	M5X0.8
HSK40E-SFH8-80	8	21	27	80	36	M6x1.0
HSK40E-SFH10-85	10	24	32	85	42	M8X1.25
HSK40E-SFH10-120	10	16	26	120	42	M8X1.25

ZY-10118 BT组合基础刀柄 BORING SHANK

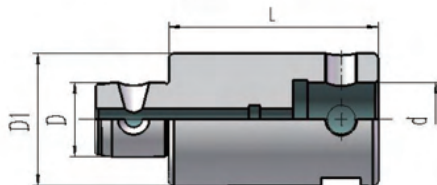
- ★:采用高强度特殊材质加工，产品性能稳定，耐磨耐用
- ★:柄部与机床主轴连接，前端内孔配装不同规格的组合刀柄
- ★:Adopt high strength special material,through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:The holder is connected with the machine , front end assembly can be fitted with different specifications of the tool



Cone	型号 Modelo	D mm	D1 mm	L mm
BT 40	BT 40 MD22-40	22	50	54
	BT 40 MD28-50	28	50	54
	BT 40 MD36-63	36	63	66
BT 50	BT 50 MD28-50	28	50	65
	BT 50 MD36-63	36	63	75
	BT 50 MD36-80	36	80	75

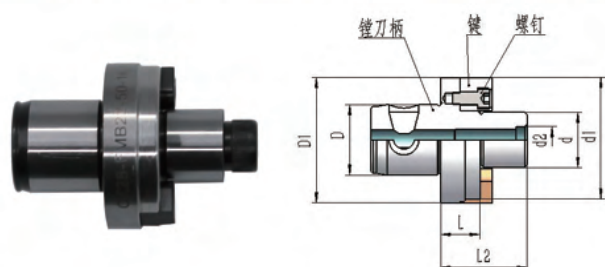


Cone	Modelo	d mm	D mm	L mm
DIN40	SK40 MD28-50	28	50	46
	SK40 MD36-63	36	63	66
DIN50	SK50 MD28-50	28	50	46
	SK50 MD36-63	36	63	56
	SK50 MD36-80	36	80	56



Modelo—L	D mm	d mm	D1 mm
CK22-CK22-40-40	22	22	40
CK28-CK28-50-40	28	28	50
CK28-CK28-50-80			
CK28-CK28-50-100			
CK36-CK36-63-50	36	36	63
CK36-CK36-63-80			
CK36-CK36-63-125			
CK36-CK36-80-50	36	36	80
CK36-CK36-80-80			
CK36-CK36-80-125			
CK36-CK36-80-275			

ZY-10120 组合刀柄系列COMBINATION SERIES



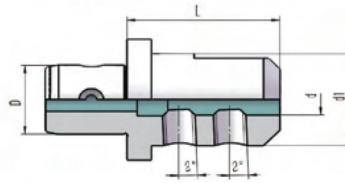
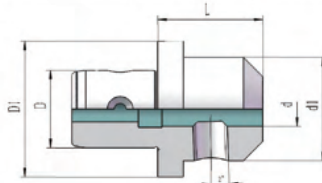
★:采用高强度特殊材质加工, 产品性能稳定, 耐磨耐用

★:柄部与基础刀柄配装, 前端内孔装夹不同规格的刀具

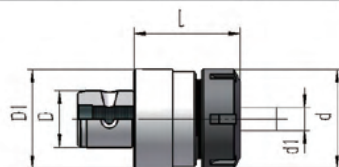
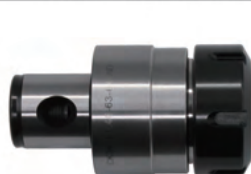
★:The holder is made of imported high strength material and has high wear resistance after special treatment

★:the collet can be fitted with different specifications of the tool

Modelo	L (mm)	L2 (mm)	D (mm)	D1 (mm)	d (mm)	d1 (mm)	d2 (mm)
CK28-FMB16-50-16	16	33	28	50	16	38	M8x1.25
CK28-FMB22-50-16	16	35	28	50	22	48	M10x1.5
CK36-FMB22-63-16	16	35	36	63	22	48	M10x1.5
CK36-FMB27-63-16	16	37	36	63	27	58	M12x1.75
CK36-FMB32-78-16	16	40	36	78	32	78	M16x2.0



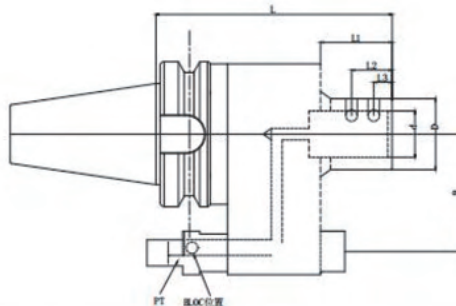
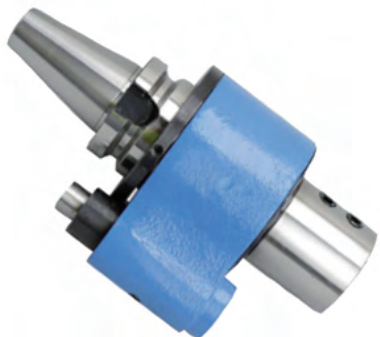
Modelo	L (mm)	D (mm)	D1 (mm)	d (mm)	d1 (mm)
CK28-H2M6-50-36	36	28	50	6	25
CK28-H2M8-50-36	36	28	50	8	28
CK28-H2M10-50-44	44	28	50	10	35
CK28-H2M12-50-44	44	28	50	12	42
CK28-H2M14-50-44	44	28	50	14	44
CK28-H2M16-50-49	49	28	50	16	48
CK28-H2M18-50-49	49	28	50	18	50
CK28-H2M20-52-60	60	28	52	20	52
CK36-H2M6-63-36	36	36	63	6	25
CK36-H2M8-63-36	36	36	63	8	28
CK36-H2M10-63-44	44	36	63	10	35
CK36-H2M12-63-44	44	36	63	12	42
CK36-H2M14-63-44	44	36	63	14	44
CK36-H2M16-63-49	49	36	63	16	48
CK36-H2M18-63-49	49	36	63	18	50
CK36-H2M20-63-49	49	36	63	20	52
CK36-H2M25-63-75	75	36	63	25	63
CK36-H2M32-72-75	75	36	72	32	72



Modelo	L (mm)	D (mm)	D1 (mm)	d (mm)	d1 (mm)
CK28-ER32-50-57	57	28	50	50	2-20
CK36-ER32-63-57	57	36	63	50	2-20
CK36-ER40-63-64	64	36	63	63	3-26

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀用系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FINGER SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10122 BT-SLO油路刀柄 BT-SLO OIL ROAD HANDLE



型号 Model No.	D mm	d mm	L1 mm	L2 mm	L3 mm	B mm	D1 mm
BT40-SLO32-150	53	32	50	15	15	60/65	36
SLO40-150	60	40	50	18	19	60/65	42
BT50-SLO32-160	54	32	50	15	15	80/82	36
SLO40-160	64	40	50	18	19	80/82	42

油路刀柄安装调整步骤

1、确认刀柄的中心至定位柱的距离：BT40=65mm:BT50=80mm. 再与机床主转中心至固定座距离做对比，若距离不符，使用厂家调整固定座进水孔位置，再行安装（固定块需要根据机床主轴端面的防尘盖螺孔配）

2、安装

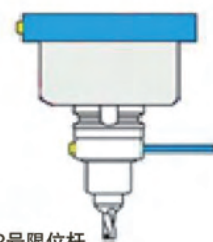
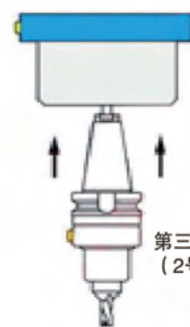
- 首先把固定块安装在机床端面，固定块进水管接上。
- 油路刀柄安装，先把定位键上M6螺丝松开，使定位柱能够自由上下移动（注：定位柱下有弹簧），定位环上3只M6螺丝松开使用与油路刀柄主轴自由转动（注：螺丝不能太松）
- 机床主轴锁紧，调整油路刀柄键槽与机床主轴位置，使其对其同时调整定位柱角度，使其对其定位块出水孔，压紧定位柱后把油路刀柄装在机床主轴上，（注：装上要检测定位柱与定位块是否对齐且定位柱上端面要与定位块下端面贴紧，否则会出现漏水，如不能紧贴，需调整定位块向下的距离或定位块厚度）
- 检查是否装好后打开出水，检查出水是否从油路刀柄中心或其它地方是否漏水，机床。

以上完成后，先用S100-300-500进行油路刀柄跑合（10分钟）在使用过程中最高转速不得超过BT40S3500,BT50S300.

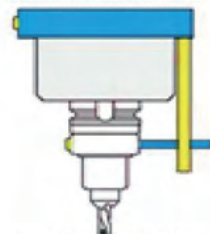
油路刀柄安装示意图

第一步：把刀柄装在主轴上

第二步：刀柄拧上1号限位杆

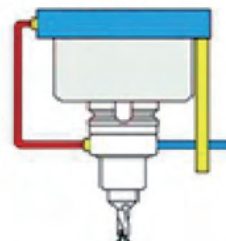
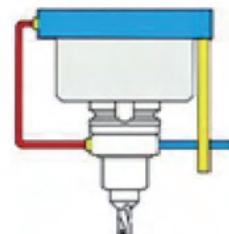


第三步：主轴端面拧上2号限位杆（2号限位杆根据自家机床自配）

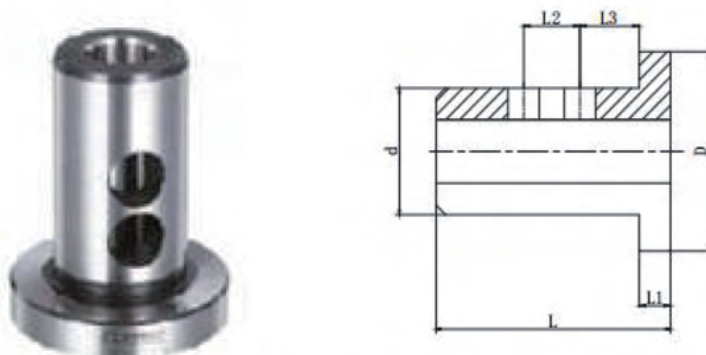


第四步：安装快速接口水管

第五步：先通水，再转动主轴，就可以了（注意：在主轴转动过程，不能中断供水）



ZY-10124 CSO油路刀套 CSO OIL-FEED HOLDERS REDUCING SLEEVE

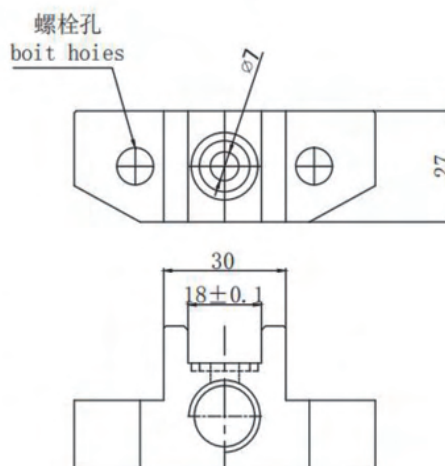


型号 Model No.	D mm	d mm	L1 mm	L2 mm	L3 mm	L mm	重量
CSO 32-16	53	32	10	15	15	65	0.40
32-20	53	32	10	15	15	65	0.35
32-25	53	32	10	15	15	65	0.26
40-16	63	40	10	18	19	75	0.74
40-20	63	40	10	18	19	75	0.68
40-25	63	40	10	18	19	75	0.59
40-32	63	40	10	18	19	75	0.41

ZY-10126 SLO 油路止动块 CSO OIL ROAD STOP BLOCK

注意在使用油路刀柄时，止动块是必须的配套附件，止动块可以安装到ATC等机器上，因此，随着出现越来越多的不同型号的机器，有必要与机器制造商协商正确安装。

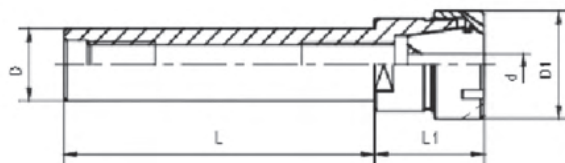
Note that the stop block is a necessary accessory when using the oil-feed holder. The stop block can be installed on ATC and other machines. Therefore, with more and more different types of machines, it is necessary to consult with the machine manufacturer for proper installation.



型号 Model No.	重量
BT40PB30-35	0.53
BT50PB30-35	0.46

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀柄系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FUTURE SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10128 C/ER 直柄延长杆 (M型小径螺帽) C/ER STRAIGHT SHANK COLLET CHUCK AND EXTENSION TYPE

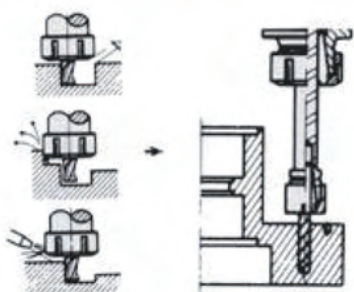
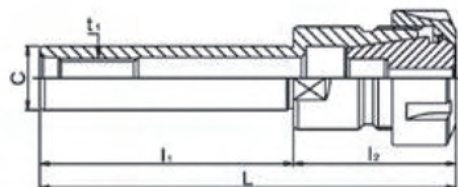
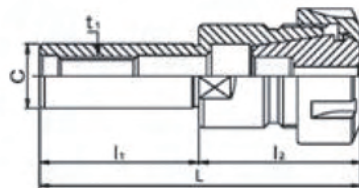


- ★:采用高强度特殊材质加工, 产品性能稳定, 耐磨耐用
- ★:柄身细长, 防干涉, 适用于深孔加工
- ★:可减少加长刀具的使用, 降低成本, 提高效率
- ★:经精密研磨, 有效保证高精度
- ★:螺帽直接拧紧, 刚性高, 夹持力强

- ★:Adopt high strength special material, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:Long shank, suitable for deep hole processing
- ★:Can reduce the use of lengthened tools, reduce costs, improve efficiency
- ★:Precision grinding, effectively ensure high precision
- ★:Nut directly tightened, high rigidity, strong blessing force

型 号 Model No.	d mm	D mm	D1 mm	L mm	L1 mm
C8×ER8M-55	1 ~ 5	8	12	55	17
C10×ER8M-100		10		100	
C10×ER8M-150				150	
C10×ER8M-180				180	
C12×ER8M-55		12		55	
C12×ER8M-120				120	
C12×ER8M-180				180	
C12×ER11M-80	1 ~ 7	12	16	80	19
C16×ER11M-50		16		50	
C16×ER11M-100				100	
C16×ER11M-140				140	
C16×ER16M-80	1 ~ 10	16	22	80	25
C20×ER16M-100		20		100	
C20×ER16M-140				140	
C20×ER16M-160				160	
C20×ER20M-60	1 ~ 13	20	28	60	40
C20×ER20M-100				100	
C20×ER20M-120				120	
C20×ER20M-150				150	
C20×ER20M-180				180	
C25×ER20M-140		25		140	
C20×ER25M-100	1 ~ 16	20	35	100	50

ZY-10130 C/ER 直柄延长杆 C/ER STRAIGHT SHANK COLLET CHUCK AND EXTENSION TYPE

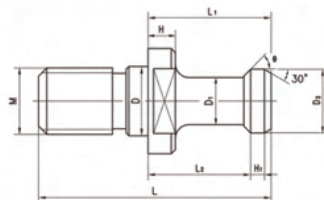


- ★:采用高强度特殊材质加工, 产品性能稳定, 耐磨耐用
- ★:柄身细长, 防干涉, 适用深孔加工
- ★:可减少加长刀具的使用, 降低成本, 提高效率
- ★:经精密研磨, 有效保证高精度
- ★:螺帽直接拧紧, 刚性高, 夹持力强
- ★:Adopt high strength special material, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:Long shank, suitable for deep hole processing
- ★:Can reduce the use of lengthened tools, reduce costs, improve efficiency
- ★:Precision grinding, effectively ensure high precision
- ★:Nut directly tightened, high rigidity, strong blessing force

型 号 Model No.L1	Lmm	l_{2mm}	t_1	重量(kg) Weight
C16 × ER11A-140	156.5	16.6	M6 × 1.0	0.23
C16 × ER16A-50	90	40	M10 × 1.5	0.15
C16 × ER16A-100	140			0.20
C16 × ER16A-150	190			0.28
C20 × ER16A-50	90			M12 × 1.75
C20 × ER16A-100	140		0.35	
C20 × ER16A-150	190		0.40	
C20 × ER20A-60	100.5	40.5	0.35	
C20 × ER20A-120	160.5		0.40	
C20 × ER20A-180	220.5		0.50	
C20 × ER20A-140	180.5		0.50	
C20 × ER25-50	101		51	
C20 × ER25-100	151			0.45
C20 × ER32-50	101.5	51.5	M10 × 1.5	0.42
C20 × ER32-100	151.5			0.55
C25 × ER16A-150	185.1	35.1		M12 × 1.75
C25 × ER20A-140	180.5	40.5	0.55	
C25 × ER25-50	101	51	M16 × 2.0	0.40
C25 × ER25-100	151			0.55
C25 × ER32-50	101.5	51.5		0.60
C25 × ER40-50	115	65		2.10
C32 × ER32-60	111.5	51.5		1.15
C32 × ER32-100	151.5			0.80
C32 × ER40-50	115	65		2.23

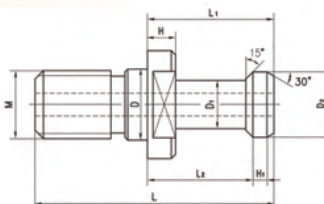
ZY-10132 MAS403-1982 BT刀柄用拉钉 RETENTION KNOB

- ★:采用高强度特殊材质加工，淬火、回火后经特殊处理，产品性能稳定，耐磨耐用
- ★:拉钉一端和机床卡口相连，一端和刀柄相连，起到对刀柄锁紧的作用
- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:One end of the pull stud is connected with the bayonet of the machine, and the other end is connected with the tool holder to lock it



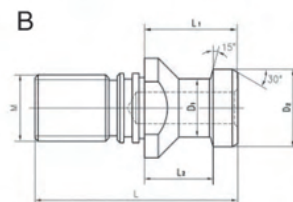
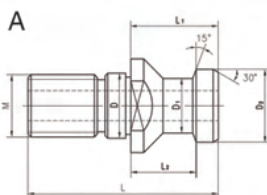
型号 Model No.	Dmm	D1mm	D2mm	Mmm	Lmm	L1mm	L2mm	Hmm	H1mm	θ
LDB-P30T(θ)	12.5	7	11	M12	43	23	18	5	2.5	45° 60° 90°
LDB-P40T(θ)	17	10	15	M16	60	35	28	6	3	45° 60° 90°
LDB-P45T(θ)	21	14	19	M20	70	40	31	8	4	45° 60° 90°
LDB-P50T(θ)	25	17	23	M24	85	45	35	10	5	45° 60° 90°

ZY-10134 JIS B6339-1986 BT刀柄用拉钉 RETENTION KNOB



型号 Model No.	D mm	D1 mm	D2 mm	M	L mm	L1 mm	L2 mm	H mm	H1 mm
LDJ-30P	12.5	8	12	M12	43	23.4	18.4	5	3
LDJ-35P	12.5	11	15	M12	44	24	19	5	3
LDJ-40P	17	14	19	M16	54	29	23	7	3
LDJ-45P	21	17	23	M20	60	30	23	7	4
LDJ-50P	25	21	28	M24	74	34	25	7	5
LDJ-55P	31	27	36	M30	98	48	36	11	7

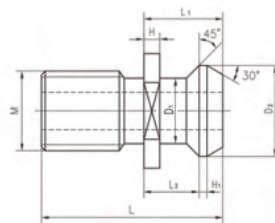
ZY-10136 DIN69872-1988 DIN刀柄用拉钉 RETENTION KNOB



型号 Model No.	Dmm	D1mm	D2mm	M	Lmm	L1mm	L2mm
LDD-30A(B)	13	9	13	M12	44	24	19
LDD-40A(B)	17	14	19	M16	54	26	20
LDD-45A(B)	21	17	23	M20	65	30	23
LDD-50A(B)	25	21	28	M24	74	34	25

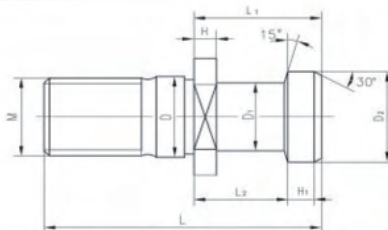
ZY-10138 ANSI/ASME B5.50-1985 CAT刀柄用拉钉 RETENTION KNOB

- ★:采用高强度特殊材质加工, 淬火、回火后经特殊处理, 产品性能稳定, 耐磨耐用
- ★:拉钉一端和机床卡口相连, 一端和刀柄相连, 起到对刀柄锁紧的作用
- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:One end of the pull stud is connected with the bayonet of the machine, and the other end is connected with the tool holder to lock it



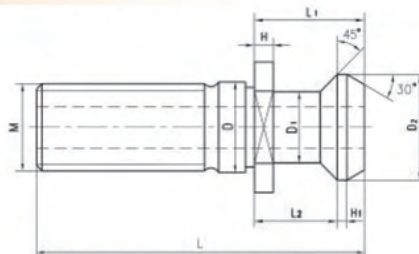
型号 Model No.	D1mm	D2mm	M	Lmm	L1mm	L2mm	Hmm	H1mm
LDA-30	9.78	13.21	1/2"-13	27.94	11.68	8.13	2.54	1.01
LDA-40	12.45	18.80	5/8"-11	38.10	16.26	11.18	3.05	1.52
LDA-45	15.37	23.88	3/4"-10	45.72	20.83	14.73	4.06	2.03
LDA-50	20.83	28.96	1"-8	58.42	25.4	17.78	5.08	2.54

ZY-10140 ISO/DIS7388/2-1984A 7: 24 A型刀柄用拉钉 RETENTION KNOB



型号 Model No.	Dmm	D1mm	D2mm	M	Lmm	L1mm	L2mm	Hmm	H1mm
LDI-30A	13	8	12	M12	44	24	19	4	3
LDI-40A	17	14	19	M16	54	26	20	4	4
LDI-45A	21	17	23	M20	65	30	23	5	5
LDI-50A	25	21	28	M24	74	34	25	6	7

ZY-10142 ISO/DIS7388/2-1984B 7: 24 B型刀柄用拉钉 RETENTION KNOB

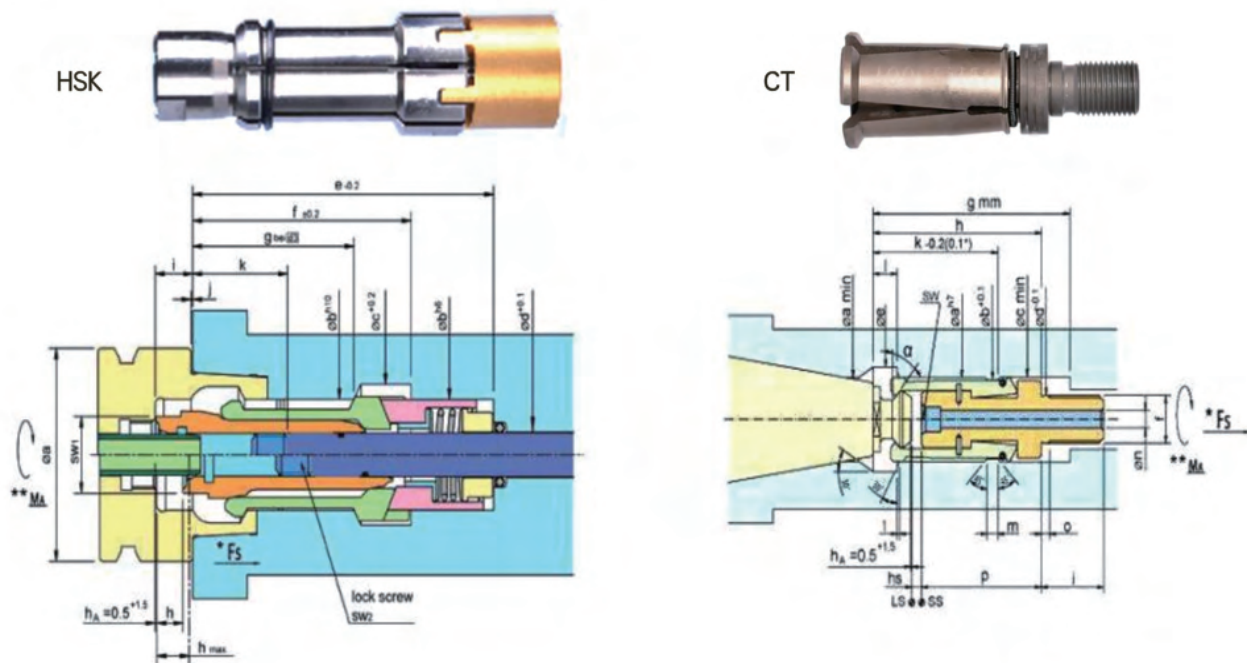


型号 Model No.	Dmm	D1mm	D2mm	M	Lmm	L1mm	L2mm	Hmm	H1mm
LDI-30B	13	9.3	13.3	M12	27	11.8	8.1	2.7	1.2
LDI-40B	17	12.95	18.95	M16	44.5	16.4	11.15	3.25	1.75
LDI-45B	21	16.3	24.05	M20	56	20.95	14.85	4.25	2.25
LDI-50B	25	19.6	29.1	M24	65.5	25.55	17.95	5.25	2.75

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀刀柄系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FINGER SERIES镗头系列
BORING HEADS SERIES平行快系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-10144 高速主轴拉爪, 拉刀爪, 四瓣爪 (HSK CAT) SPINDLE PULLER JAW

- ★:拉爪是主轴里面的核心部件,用于拉紧刀柄
- ★:采用超高强度合金钢制造,经多重表面硬化处理程序,使拉刀爪夹持稳定,不断裂,不变形
- ★:瓣爪受力均匀,拉紧力大
- ★:The drawclaw is the core part of the spindle and is used to tighten the tool holder.
- ★:Made of high strength steel and treated by multiple surface hardening procedures, the grip of broach jaw is stable, without fracture and deformation.
- ★:The disc claw is stressed evenly and the tension is large



规格 Part NO.	a	b	c	d	e	f	g	h
HSK40	40	21	26.5	8.6	78	58	44	5.6
HSK50	50	26	33	10.6	84	61	45	6.4
HSK63	63	34	41.6	14.6	94	69	52	7.4

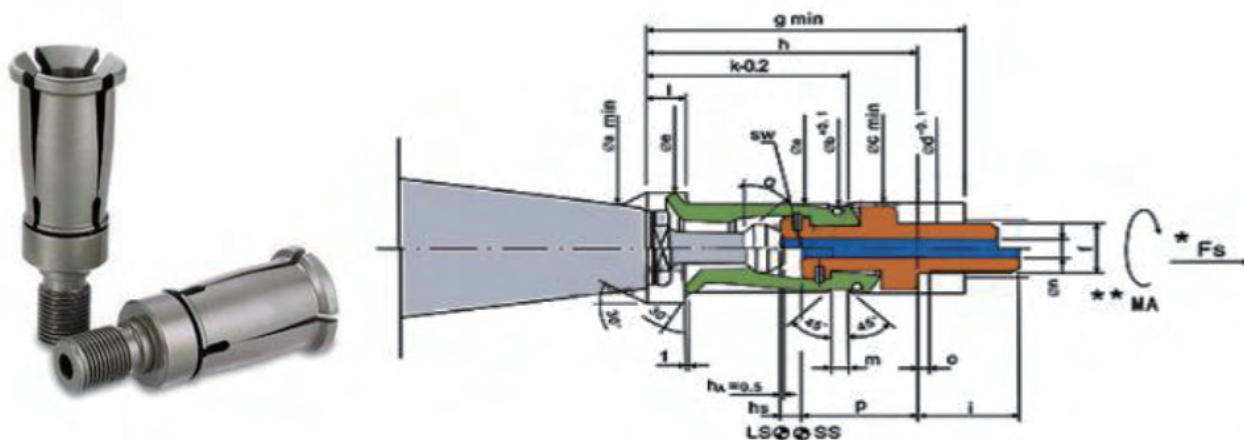
规格 Part NO.	i	j	k	h max	Fs max Kn	MA Nm	SW1 mm	SW2 mm
HSK40	8.5	0.5	27	8	5	15	15	4
HSK50	10.5	0.5	26.5	9	6.8	20	18	4
HSK63	10.5	0.5	31.5	10	11	30	24	5

规格 Part NO.	$\alpha \pm 15'$	a	b	c	d	e	f	g	h	i	k
CAT30-45°	45°	19	17.8	19.5	10	24	M10X1.5	50	47	20	37
CAT40-45°	45°	28	26.4	28.5	16	35	M16X1.5	82	70	26	52
CAT50-45°	45°	43	40.4	43.5	22	54	M22X1.5	98	90	35	69

规格 Part NO.		m	n	o	p	hs	Fs max Kn	MA Nm	SW mm		
CAT30-45°	7.5	3.5	3	3	33	2.5	10	30	5		
CAT40-45°	10	4.5	6	3.5	50	4	18	65	8		
CAT50-45°	16	5	9.5	5	58	6.5	25	160	10		

ZY-10146 高速主轴拉爪, 拉刀爪, 四瓣爪 (BT30 BT40 BT50) SPINDLE PULLER JAW

- ★:拉爪是主轴里面的核心部件，用于拉紧刀柄
- ★:采用超高强度合金钢制造,经多重表面硬化处理程序,使拉刀爪夹持稳定,不断裂,不变形
- ★:瓣爪受力均匀，拉紧力大
- ★:The drawclaw is the core part of the spindle and is used to tighten the tool holder.
- ★:Made of high strength steel and treated by multiple surface hardening procedures, the grip of broach jaw is stable, without fracture and deformation.
- ★:The disc claw is stressed evenly and the tension is large



FS:最大拉紧力 MA:最大锁紧扭矩

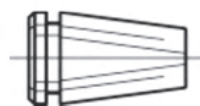
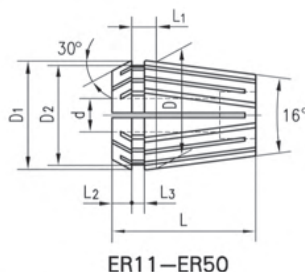
规格 Part NO.	a ± 15'	aH7	b	c	d	e	f	g min	h
BT30-45°	45°	19	17.8	19.5	10	24	M10X1.5P	50	47
BT30-60°	60°	19	17.8	19.5	10	24	M10X1.5P	50	47
BT40-45°	45°	28	26.4	28.5	16	35	M16X1.5P	82	70
BT40-60°	60°	28	26.4	28.5	16	35	M16X1.5P	82	70
BT40-90°	90°	28	26.4	28.5	16	35	M16X1.5P	82	70
BT50-45°	45°	43	40.4	43.5	22	54	M22X1.5P	98	90
BT50-60°	60°	43	40.4	43.5	22	54	M22X1.5P	98	90
BT50-90°	90°	43	40.4	43.5	22	54	M22X1.5P	98	90
BT60-60°	60°	62	58.6	62.5	30	77	M30X1.5P	130	125

规格 Part No	i	k	L	m	n	o	p	hs	Fs max. Kn	MA Nm	SW mm
BT30-45°	20	37	7.5	3.5	3	3	20.5	4	10	30	5
BT30-60°	20	37	7.5	3.5	3	3	20.5	4	10	30	5
BT40-45°	26	52	10	4.5	6	3.5	33	5.5	18	65	6
BT40-60°	26	52	10	4.5	6	3.5	33	5.5	18	65	6
BT40-90°	26	52	10	4.5	6	3.5	33	5.5	18	65	6
BT50-45°	35	69	16	5	9.5	4.5	37	8.5	35	160	10
BT50-60°	35	69	16	5	9.5	4.5	37	8.5	35	160	10
BT50-90°	35	69	16	5	9.5	4.5	37	8.5	35	160	10
BT60-60°	40	96	23	6.5	16	5	49.5	11.5	70	450	17

ZY-20002 DIN6499B 标准ER系列夹头 ER SERIES COLLETS WITH STANDARD DIN6499B

- ★:采用高强度特殊材质，淬火、回火后经深冷处理，产品性能稳定，耐磨耐用
- ★:夹紧力大，夹持范围广，属于高精度弹性夹头
- ★:广泛用于镗、铣、钻、攻丝、磨、雕刻等加工。

- ★: Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:Clamping force is large, clamping range is wide, belongs to the high precision spring chuck
- ★: Used for boring,milling,drilling,tapping,grinding and engraving operation etc.

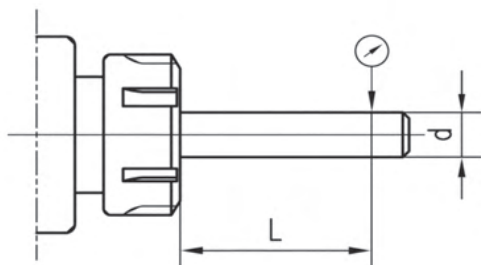


ER11—ER50

ER8

型号 Model No.	d H7mm	Dmm	D1mm	D2mm	Lmm	L1mm	L2mm	L3mm	弹性收缩量 Collapsible capacity
ER8	≥1.0 ~ 5.0	8	8.45	6.5	13.5	2.98	1.5	1.2	0.5
ER11	≥1.0 ~ 7.0	11	11.5	9.5	18.0	3.8	2.5	2.0	0.5
ER16	≥1.0 ~ 2.5	16	17	13.8	27.5	6.26	4.0	2.7	0.5
	>2.5 ~ 10.0	16	17	13.8	27.5	6.26	4.0	2.7	1.0
ER20	≥1.0 ~ 2.5	20	21	17.4	31.5	6.36	4.8	2.8	0.5
	>2.5 ~ 13.0	20	21	17.4	31.5	6.36	4.8	2.8	1.0
ER25	≥1.0 ~ 2.5	25	26	22.0	34.0	6.66	5.0	3.1	0.5
	>2.5 ~ 16.0	25	26	22.0	34.0	6.66	5.0	3.1	1.0
ER32	≥2.0 ~ 2.5	32	33	29.2	40.0	7.16	5.5	3.6	0.5
	>2.5 ~ 20.0	32	33	29.2	40.0	7.16	5.5	3.6	1.0
ER40	≥3.0 ~ 26.0	40	41	36.2	46.0	7.66	7.0	4.1	1.0
ER50	≥6.0 ~ 10.0	50	52	46.0	60.0	12.6	8.5	5.5	1.0
	>10.0 ~ 34.0	50	52	46.0	60.0	12.6	8.5	5.5	2.0

精度检测 Inspection of Accuracy



D	L	径向跳动 Run out tolerance	
		I	II
1.0 ~ 1.6	4D处	0.008	0.015
>1.6 ~ 3.0			
>3.0 ~ 6.0			
>6.0 ~ 10.0			
>10.0 ~ 18.0			
>18.0 ~ 26.0			
>26.0 ~ 30.0			
>30.0 ~ 34.0			

说明：无特殊要求，一般按Ⅱ级供货，如需Ⅰ级，则需特殊订货，价格另议。

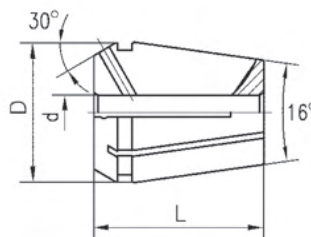
If no special requirement, we would supply to you according to II grade, if you require I grade, the price would be advanced

ZY-20004 ERC 型夹头 ERC COLLET

- ★:采用高强度特殊材质，淬火、回火后经深冷处理，产品性能稳定，耐磨耐用
- ★:夹紧力大，夹持范围广，属于高精度弹性夹头
- ★:利用沟槽的差异，以及橡胶塞的应用，达到周围止水，仅中心出水的功用



- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:Clamping force is large, clamping range is wide, belongs to the high precision spring chuck
- ★:Use groove and rubber plug to achieve the function of stopping water around and only discharging water from the center



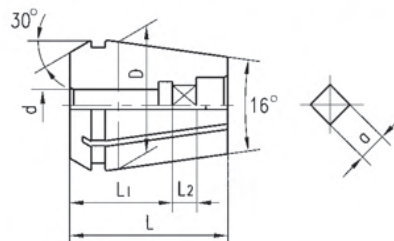
型 号 Model No.	孔径 d	D	L
ER16C-d	2-10	16.6	27.5
ER20C-d	2-13	21.6	31.5
ER25C-d	2-16	25.6	34
ER32C-d	3-20	32.6	40
ER40C-d	3-26	40.6	46

ZY-20006 ERG 型攻丝夹头 TAPPING COLLET

- ★:采用高强度特殊材质，淬火、回火后经深冷处理，产品性能稳定，耐磨耐用
- ★:夹紧力大，精度高，互换性强
- ★:前圆后方，可有效夹持丝锥，防止丝锥打滑，提高工作效率



- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:High clamping force, high precision, Strong substitutability
- ★:Round front and square back can effectively hold the tap, prevent the tap from slipping, improve work efficiency



型 号 Model 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	3.5X2.7	4.0X3.0	4.5X3.4	5.5X4.3	6.0X4.9	7.0X5.5
	8.0X6.2	9.0X7.0	10X8.0	11X9.0	12X9.0	14X11
	16X12	18X14.5	20X16	22X18	25X20	

精密平口钳系列
PRECISION VISE SERIES数控刀具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FEATURE SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-20008 ER 套装铣夹头 ER MILLING CHUCK SET



- ★:每套铣夹头包括1支夹头体, 1支压帽, 整套夹头及1支扳手
- ★:木盒或塑料盒包装
- ★: A set included: 1 collet chuck, 1 clamping nut, full set of collets and 1 spanner
- ★: Packed in a wooden case or plastic case

型 号 Model No.	孔 径 Hole size		支数/套 Pcs/set	柄 Shank
	in	mm		
ER16-8in(mm)	3/32 1/8 3/16 7/32 1/4 5/16 11/32 3/8	2 3 4 5 6 7 8 10	8	R8 MT2-MT6 NT30 NT40 NT50 C8 C10 C12 C16 C20 C25 C32 C40 1/2" str.sh 5/8" str.sh 3/4" str.sh 1" str.sh 1-1/4" str.sh
ER25-6in(mm)	1/8 3/16 5/16 3/8 1/2 5/8	4 6 8 10 12 16	6	
ER25-10in(mm)	3/32 1/8 3/16 1/4 5/16 3/8 7/16 1/2 9/16 5/8	3 4 5 6 8 10 12 14 15 16	10	
ER32-6in(mm)	1/4 5/16 3/8 1/2 5/8 3/4	6 8 10 12 16 20	6	
ER32-12in(mm)	3/32 1/8 3/16 1/4 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4	3 4 5 6 8 10 12 14 15 16 18 20	12	
ER40-8in(mm)	1/8 1/4 3/8 1/2 5/8 3/4 7/8 1	3 5 8 12 15 18 22 26	8	
ER40-15in(mm)	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	3 4 5 6 8 10 12 14 15 16 18 20 22 24 26	15	

夹头体的拉杆螺纹 Thread of draw bar

锥 柄 Taper of collet chuck	拉杆螺纹 Thread of draw bar	
R8	7/16"-20UNF	
7:24 30	M12 × 1.75	1/2"-13UNC
7:24 40	M16 × 2.0	5/8"-11UNC
7:24 50	M24 × 3.0	1"-8UNC
MT2	M10 × 1.5	3/8"-16UNC
MT3	M12 × 1.75	1/2"-13UNC
MT4	M16 × 2.0	5/8"-11UNC
MT5	M20 × 2.5	3/4"-10UNC

- 1、订货时, 请注明夹头体的型号、拉杆螺纹及夹头的规格 (公制或英制)
- 2、订购直柄铣夹头时, 请注明直柄的直径及长度
- 3、我们还可以根据您的要求, 提供不同规格及件数的成套夹头、夹头体
- 1、Please notify the thread of collet chuck draw bar and the specification of collets(metric or inch)
- 2、Please notify the length of straight shank and dia
- 3、We are glad to supply collets and chucks with different shank and quantities according to your requirement

ZY-20010 SK高转速筒夹 HIGH SPEED COLLET

- ★:采用高强度特殊材质, 淬火、回火后经深冷处理, 产品性能稳定, 耐磨耐用
- ★:夹紧力大, 精度高, 适于高速旋转, 是数控机床专用夹头
- ★:夹头压紧面受力均匀, 具有疲劳极限性好与稳定性高等特性
- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:Large clamping force, high precision, suitable for high-speed rotation, is a special collet for CNC machine
- ★:Clamping surface of the chuck is stressed evenly, with good fatigue limit and high stability



型号	d	d1	D	L
SK06	2-6	8.9	10.5	25
SK10	2-10	13.5	15.6	30.5
SK13	3-13	18.5	20.1	39
SK16	3-16	20.6	24.65	45
SK20	4-20	26.5	30	50
SK25	6-25	31.1	35.6	57

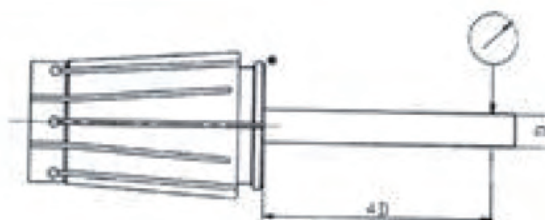
ZY-20011 SK高速筒夹套装 HIGH SPEED COLLET SET

- ★:请于订购时注册 AA 级或 A 级: 例如 :SK16-6AA
- ★:筒夹直径小于 3mm, 夹持范围为 0.25mm, 直径大于 3mm 则为 0.5mm
- ★: When ordering, please specify the GRADE for sk collets is A or AA TYPE. For example:SK16-6AA
- ★: The gripping range of dia below 3mm is 0.25mm. The gripping range of dia over 3mm is 0.5mm

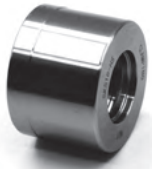
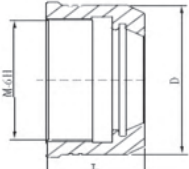
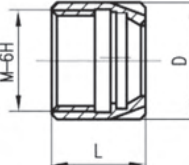
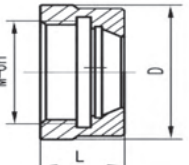
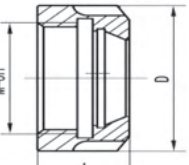
型号 Model No.	规格 Type
SK10-8PCS	3,4,5,6,7,8,9,10
SK10-17PCS	2,2.5,3,3.5,4,4.5,5,5.5,6,6.5,7,7.5,8,8.5,9,9.5,10
SK16-7PCS	3,4,6,8,10,12,16
SK16-27PCS	3,3.5,4,4.5,5,5.5,6,6.5,7,7.5,8,8.5,9,9.5,10,10.5,11,11.5,12,12.5,13,13.5,14,14.5,15,15.5,16
SK16-14PCS	3,4,5,6,7,8,9,10,11,12,13,14,15,16
SK25-7PCS	6,8,10,12,16,20,25
SK25-11PCS	6,8,10,12,14,16,18,20,22,24,25

精度检测: Inspection of Accuracy

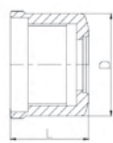
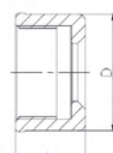
L	径向跳动 (Run out)	
	A 级 (A class)	AA 级 (AA class)
4 × D	≤ 0.008	≤ 0.005



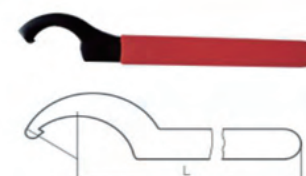
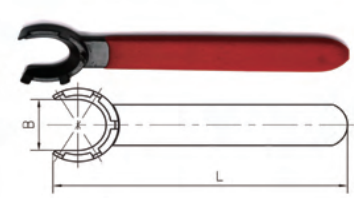
ZY-20012 ER 压帽 ER NUT

		型 号 Model No.	型式Type	D(mm)	L(mm)	M	重量Wt(kg)
		ER16	G	27	19	M22X1.5	0.005
		ER20	G	35	21	M25X1.5	0.01
		ER25	G	40	23.5	M32X1.5	0.14
		ER32	G	48	24	M40X1.5	0.2
		ER8-M	M	12	12	M10 × 0.75	0.005
		ER11-M	M	16	12	M13 × 0.75	0.01
		ER16-M	M	22	18	M19 × 1	0.05
		ER20-M	M	28	19	M24 × 1	0.05
		ER25-M	M	35	20	M30 × 1	0.08
		ER11-T1	A	19	12	M14 × 0.75	0.005
		ER16-T1	A	28	19	M22 × 1.5	0.01
		ER20-T1	A	34	21	M25 × 1.5	0.05
		ER25-T2	UM	42	22	M32 × 1.5	0.14
		ER32-T2	UM	50	24	M40 × 1.5	0.2
		ER40-T2	UM	63	27	M50 × 1.5	0.3
		ER50-T2	UM	78	36	M64 × 2	0.5

ZY-20014 EOC/SK 压帽 EOC/SK CLAMPING NUT

压帽	型号 Model No.	D	L	T	压帽	型号 Model No.	LMM		D	M
		mm	mm				Fig1	Fig2		
	YMEOC/OZ8	26	19	M20 × 1.5		SK6	15	21	19.5	M15.5X1
						SK10	17	24	27.5	M21.5X1
	YMEOC/OZ10	30	19	M22 × 1.5		SK16	24	31	40	M32X1.5
	YMEOC/OZ12	35	20	M27 × 1.5		SK20	27	35	48	M40X1.5
	YMEOC/OZ16	43	24	M33 × 1.5						
	YMEOC/OZ20	50	28	M42 × 2		SK25	30	37	55	M45X1.5
	YMEOC/OZ25	60	30	M48 × 2						
	YMEOC/OZ32	72	33.5	M60 × 2.5						
	YMEOC/OZ40	85	37	M68 × 2.5						

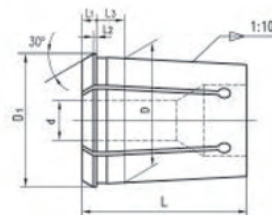
ZY-20016 扳手 SPANNER

扳手	型 号 Model No.	Bmm	Lmm	适用压帽 Clamping Nut
	SPANNER-ER11	17	110	ER11-A ER11-T1
	SPANNER-ER16	25	120	ER16-A ER16-T1
	SPANNER-ER20	30	130	ER20-A ER20-T1
扳手	型号 Model No.	Bmm	Lmm	适用压帽 Clamping Nut
	SPANNER-ER25-S	37	210	ER25-B ER25-T2
	SPANNER-ER32-S	45	250	ER32-B ER32-T2
	SPANNER-ER40-S	58	290	ER40-B ER40-T2
	SPANNER-ER50-S	72	350	ER50-B ER50-T2
扳手	型 号 Model No.	Lmm	规 格 Size	适用压帽 Clamping Nut
	SPANNER-ER25	168	38-42	ER25-B ER25-T2
	SPANNER-ER32	190	45-52	ER32-B ER32-T2
	SPANNER-ER40	210	55-63	ER40-B ER40-T2
	SPANNER-ER50	240	78-85	ER50-B ER50-T2
扳手	型号 Model No.	Bmm	Lmm	适用压帽 Clamping Nut
	SPANNER-ER8M	7.5	70	ER8-M
	SPANNER-ER11M	11	90	ER11-M
	SPANNER-ER16M	15	110	ER16-M
	SPANNER-ER20M	19.5	120	ER20-M
	SPANNER-ER25M	25	130	ER25-M
扳手	型号 Model No.	D	M	
	SK06	19.5	120	
	SK10	27.5	130	
	SK16	40	193	
	SK20	48	200	
	SK25	55	210	

精密平口钳系列
PRECISION VISE SERIES数控工具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀杆系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FEATURE SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测边器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-20018 DIN6388A 标准EOCA (OZ)系列铣夹头 DIN6388A EOCA(OZ) COLLETS

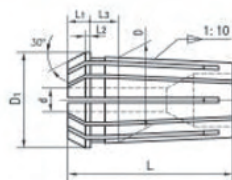
- ★:采用进口高强度材质，淬火、回火后经特殊处理，产品性能稳定，耐磨耐用
- ★:夹紧力大，精度高
- ★:主要用于镗、铣、钻、攻丝、磨、雕刻等加工。
- ★:Adopt high strength special material, after quenching , through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:High clamping force, high precision
- ★: Used for boring,milling,drilling,tapping,grinding and engraving operation etc.



型 号 Model No.	Dmm	D1mm	dmm	Lmm	L1mm	L2mm	L3mm
EOC/OZ6A	10	11.5	1 ~ 6	21	3.5	0.5	4
EOC/OZ8A	12.65	14.5	1 ~ 8	26	4	0.8	4.5
EOC/OZ10A	15.15	17.2	1 ~ 10	30	4.5	0.8	4.5
EOC/OZ12A	17.75	19.8	1 ~ 12	34	5	1.1	4.5
EOC/OZ16A	22.65	25.5	2 ~ 16	40	5.5	1.2	5.5
EOC/OZ20A	27.4	29.8	2 ~ 20	45	6	1.35	6
EOC/OZ25A	32.9	35.05	2 ~ 25	52	6	1.4	6
EOC/OZ32A	41.3	43.7	4 ~ 32	60	6	1.45	7
EOC/OZ40A	49.7	52.2	6 ~ 40	68	6	1.45	8
EOC/OZ50A	61.1	63.8	8 ~ 50	80	7	1.55	9

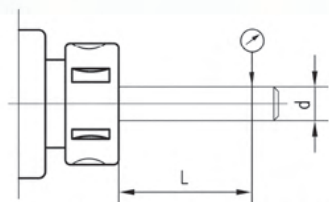
ZY-20020 DIN6388B 标准EOCB(OZ)系列铣夹头 DIN6388B EOCB(OZ) COLLETS

10-50mm
10-50mm



型 号 Model No.	D1mm	Dmm	dmm	Lmm	L1mm	L2mm	L3mm
EOC/OZ16B	25.5	22.65	2 ~ 16	40	5.5	1.2	9.5
EOC/OZ 20B	29.8	27.4	2 ~ 20	45	6	1.35	10
EOC/OZ 25B	35.05	32.9	2 ~ 25	52	6	1.4	10
EOC/OZ 32B	43.7	41.3	4 ~ 32	60	6	1.45	11
EOC/OZ 40B	52.2	49.7	6 ~ 40	68	6	1.45	12
EOC/OZ 50B	63.8	61.1	8 ~ 50	80	7	1.55	13

精度检测 Inspection of Accuracy



说明: 无特殊要求, 一般按 II 级供货, 如需 I 级, 则需特殊订货, 价格另议。

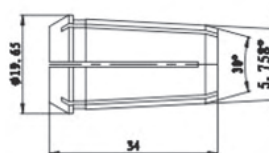
If no special requirement, we would supply to you according to II grade, if you require I grade, the price would be advanced

dmm	Lmm	径向跳动 Run out tolerance	
		I	II
1.0 ~ 1.6	6	0.010	0.015
>1.6 ~ 3.0	10		
>3.0 ~ 7.0	16		
>7.0 ~ 10.0	25	0.015	0.020
>10.0 ~ 18.0	40		
>18.0 ~ 24.0	50		
>24.0 ~ 30.0	60	0.020	0.030
>30.0 ~ 50.0	80		

ZY-200202 868116夹头 868116 COLLETS

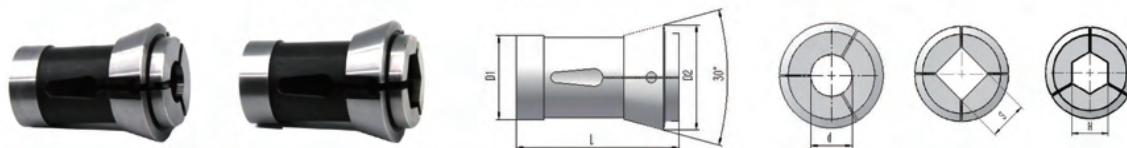


型号 Model No.	孔径
868116	10 1/2 12



ZY-20022 DIN6343夹紧夹头 DIN6343 CLAMPING COLLETS

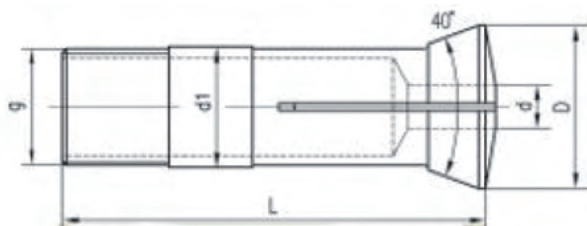
- ★: 采用进口高强度材质, 淬火、回火后经特殊处理, 产品性能稳定, 耐磨耐用
- ★: 工作孔经涨孔定型处理后, 夹持范围增大, 夹卸料便捷
- ★: 适合于各种车床, 六角车床等
- ★: Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★: After the work hole has been shaped by the hole expansion, the elastic range increases, and it is convenient to clip and unload materials
- ★: This unit is applicable to all sorts of automatic lathes, turret lathes



型号 Model	D ₁ (mm)	D ₂ (mm)	L(mm)	孔径 Hole size(mm)			重量 Wt(kg)
				圆孔 ROUND	四方孔 SQUARE	六方孔 HEX	
DIN6343-F17.5	17.5	22	51	13	8	10	0.05
DIN6343-F22	22	30	55	16	11	13	0.09
DIN6343-F27	27	38	72.7	22	15	19	0.10
DIN6343-F28	28	38	70	22	15	19	0.12
DIN6343-F32	32	45	75	26	18	22	0.27
DIN6343-F35	35	48	80	30	21	26	0.35
DIN6343-F42	42	55	94	36	25	30	0.49
DIN6343-F48	48	60	94	42	29	36	0.57
DIN6343-F56	56	68	94	50	35	42	0.65
DIN6343-F66	66	84	110	60	42	52	1.16

ZY—20024 DIN6341 弹簧夹头 DIN6341 COLLETS

- ★: 采用进口高强度材质，淬火、回火后经特殊处理，产品性能稳定，耐磨耐用
- ★: 夹紧力大，精度高
- ★: Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★: High clamping force, high precision

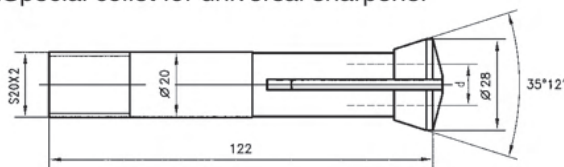


订单号 Order No.	d ₁ (mm)	D (mm)	L (mm)	dmax (mm)	g	重量 Wt(kg)
k8-d	8	12	45	5	M8 × 0.75	0.06
k10-d	10	15	52	6	Tr10 × 1	0.09
k12-d	12	18	60	8	Tr12 × 1	0.11
k16-d	16	24	70	11	Tr16 × 1.5	0.12
k20-d	20	28	80	15	Tr20 × 1.5	0.15
k23-d	23	32	90	18	Tr23 × 1.5	0.21
k28-d	28	38	100	22	Tr28 × 1.5	0.23
k32-d	32	45	110	27	Tr32 × 1.5	0.27
k45-d	45	60	140	36	Tr45 × 2	0.32

ZY-20034 磨刀机夹头 SHARPENER COLLETS

- ★:采用进口高强度材质，淬火、回火后经特殊处理，产品性能稳定，耐磨耐用
- ★:夹紧力大，精度高
- ★:万能磨刀机专用夹头

- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:High clamping force, high precision
- ★:Special collet for universal sharpener

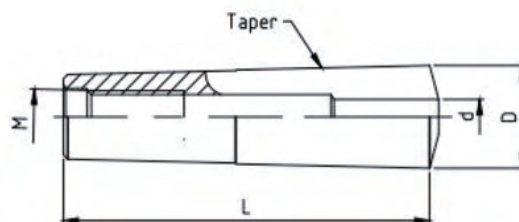


型 号 Model No.	d	
M-d	in	mm
	1/8 ~ 5/8	3 ~ 16

ZY-20040 锥度夹头 TAPER COLLETS

- ★:采用进口高强度材质，淬火、回火后经特殊处理，产品性能稳定，耐磨耐用
- ★:采用莫氏锥度，方便拆卸
- ★:与机床连接后可以夹持各种刀具

- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:Adopt Morse taper for easy disassembly
- ★:After connecting with the machine, it can clamp all kinds of tools.

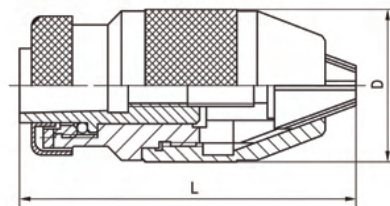


型 号 Model No.	JMT1-d	JMT2-d	JMT3-d	JMT4-d
锥 度 Taper	MT1	MT2	MT3	MT4
孔 径 dHole size	in	1/16 ~ 5/16	1/8 ~ 1/2	1/8 ~ 3/4
	mm	2 ~ 8	2 ~ 12	3 ~ 20
D(mm)	12.2	18	24.1	31.5
L(mm)	57	68	86	108
重 量 Wt(kg)	0.05	0.08	0.10	0.38
M	M6	M10	M12	M16

精密平口钳系列
PRECISION VISE SERIES数控工具系统
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀夹系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEXER SERIES镗头系列
BORING HEADS SERIES平行块系列
PARALLEL BLOCK SERIES测功器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-20042 锥孔自紧式钻夹头 KEYLESS DRILL CHUCK WITH TAPER MOUNTED

- ★: P、D级适用于车床、铣床、镗床、钻床等机床上使用。
- ★: M级适用于加工中心、数控机床等高精度机床使用。
- ★: Grade P&D is used in lathe、milling machine、boring machine、drilling bench etc.
- ★: Grade M is used in high precision machine-tool, such as machining center and digital control machine.



订货时,请注明精度级别

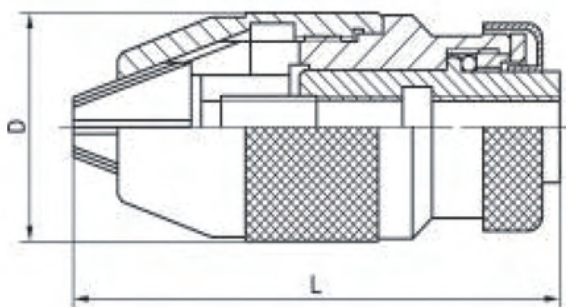
Please notify the grade in the order.

型 号 Model No.	夹持范围 Capacity	连接尺寸 Mount	D mm	L mm	精 度 Runout mm			
					P	D	M	
J0106	0.5 ~ 6mm	B10	34	72	0.12	0.16		
J0206	1/64 " ~ 1/4 "	JT1						
J0108	0.5 ~ 8mm	B12	42	82			0.06	
J0208	1/64 " ~ 5/16 "	JT2						
J0110	1 ~ 10mm	B12	42	82				
J0210	1/32 " ~ 3/8 "	JT2	44	88				
J0210A		JT33						
J0113	1 ~ 13mm	B16	44	97				
J0113A		B16	49	100				
J0213	1/32 " ~ 1/2 "	JT33						
J0213A		JT6						
J0116A	3 ~ 16mm	B16	54	110	0.14	0.20	0.07	
J0116		B18		110				
J0216	1/8 " ~ 5/8 "	JT6		110				
J0216A		JT3		110				
J0120	5 ~ 20mm	B22	60	125	0.18	0.25		
J0220	3/16 " ~ 3/4 "	JT3						

ZY-20044 螺纹孔自紧式钻夹头 KEYLESS DRILL CHUCK WITH THREAD MOUNTED

适用于车床、铣床、钻床、电动工具及木工机械等机床上使用。

Used in lathe、milling machine、drilling bench、electric hand and woodworking machine etc.



型 号 Model No.	夹持范围 Capacity	连接尺寸 Mount	D mm	L mm	精 度 Runout mm
J0306	0.5 ~ 6mm	M10X1	34	64	0.20
J0306A	1/64 " ~ 1/4 "	3/8 " -24UNF			
J0308	0.5 ~ 8mm	M10X1	40	80	
J0308A	1/64 " ~ 5/16 "	3/8 " -24UNF			
J0308B	0.5 ~ 8mm	M12X1.25			
J0308C	1/64 " ~ 5/16 "	1/2 " -20UNF			
J0310	1 ~ 10mm	M10X1	42	86	
J0310A	1/32 " ~ 3/8 "	3/8 " -24UNF			
J0310B	1 ~ 10mm	M12X1.25			
J0310C	1/32 " ~ 3/8 "	1/2 " -20UNF			
J0313	1 ~ 13mm	M10X1	44	97	
J0313A	1/32 " ~ 1/2 "	3/8 " -24UNF			
J0313B	1 ~ 13mm	M12X1.25			
J0313C	1/32 " ~ 1/2 "	1/2 " -20UNF			
J0316	3 ~ 16mm	M12X1.25	48	107	0.24
J0316A	1/8 " ~ 5/8 "	1/2 " -20UNF			
J0316B	3 ~ 16mm	M16X1.5			
J0316C	1/8 " ~ 5/8 "	5/8 " -16UNF	48		

精密平口钳系列
PRECISION VISE SERIES数控刀具系列
CNC TOOL SYSTEMS夹头系列
COLLET SERIES铣刀杆系列
MILLING ARBOR SERIES刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES顶尖系列
CENTER SERIES分度头系列
INDEX FUTURE SERIES镗头系列
BORING HEADS SERIES平行快系列
PARALLEL BLOCK SERIES测边器系列
EDGE FINDER SERIES其它系列
OTHER ACCESSORY SERIES

ZY-20046 扳手钻夹头 KEY TYPE DRILL CHUCK

★:适合中、重型钻削。

★:应用于铣床、车床、钻床、木工机械。

★:能够承受高速切削

★: Suitable for medium 、 heavy duty drilling use.

★: For milling machine、lathe、drilling machine、wood working machine.

★: High speed drilling can be performed for possessing high gripping power

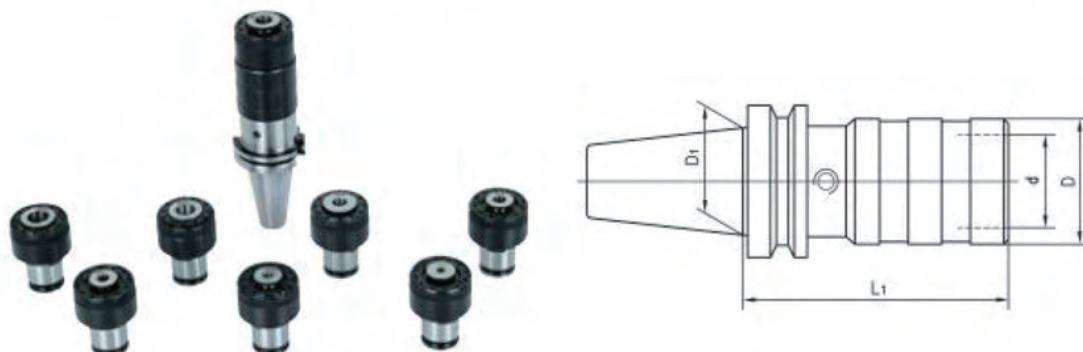


型号 Model No.	夹持范围 Capacity		连接尺寸 Mount	外径 D mm	长度 L mm	重量 Wt.(kg)
	mm	in				
J2110	1-10	1/32-3/8	B12	42.5	70	0.34
J2113	1-13	1/32-1/2	B16	53	86	0.63
J2513	1.5-13	1/16-1/2	B16	44	78	0.45
J2516	3-16	1/8-5/8	B16	53	86	0.63
J2516A	3-16	1/8-5/8	B18	53	86	0.63
J2116	1-16	1/32-5/8	B18	57	98	1.00
J2116A	1-16	1/32-5/8	B16	57	93	0.82
J2120	5-20	3/16-3/4	B22	65	110	1.40
J2210	1-10	1/32-3/8	JT2	42.5	70	0.34
J2213	1-13	1/32-1/2	JT6	53	86	0.63
J2213A	1-13	1/32-1/2	JT33	53	86	0.63
J2613	1.5-13	1/16-1/2	JT33	44	78	0.45
J2616	3-16	1/8-5/8	JT3	53	86	0.63
J2616A	3-16	1/8-5/8	JT6	53	86	0.63
J2616B	3-16	1/8-5/8	JT33	53	93	0.65
J2216	1-16	1/32-5/8	JT3	57	98	1.00
J2220	5-20	3/16-3/4	JT3	65	110	1.40

ZY-20048 J45 型攻丝夹头 J45 TAPPING CHUCK

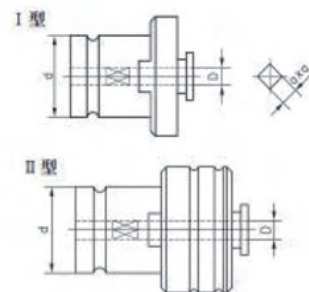
该夹头由主体和攻丝夹套两部分组成，主体具有前后螺矩补偿装置。攻丝夹套有过载保护和不保护两种。过载保护夹头攻丝时，只要调节螺母，即可得到不同的打滑扭矩，防止丝锥折断，方便迅速。

This unit is consisted of chuck and tap collet. The chuck has installed compensating device for thread pitch. There are two different tap collets, one with overload protection and one without. When using the tap collet with overload protection, the protection device can automatically release to avoid tap-break. Just adjust nuts and you can get the different release torque quickly and conveniently.



型 号 Model No.	柄部 Shank	攻丝范围 Tapping range	D (mm)	D1 (mm)	d (mm)	L1 (mm)
D30-12	DIN69871.30	M3 ~ M12	36	31.75	19	70.1
D40-12	DIN69871.40			44.45		66.7
D50-12	DIN69871.50			69.85		66.7
B30-12	BT30			31.75		69.6
B40-12	BT40			44.45		74.6
B50-12	BT50			69.85		85.6
D30-20	DIN69871.30	M5 ~ M20	56	31.75	31	89.6
D40-20	DIN69871.40			44.45		89.6
D50-20	DIN69871.50			69.85		89.6
B30-20	BT30			31.75		94.6
B40-20	BT40			44.45		97.5
B50-20	BT50			69.85		108.5
D30-36	DIN69871.30	M11 ~ M36	80	31.75	48	126.1
D40-36	DIN69871.40			44.45		146
D50-36	DIN69871.50			69.85		144
B30-36	BT30			31.75		129
B40-36	BT40			44.45		149
B50-36	BT50			69.85		160

ZY-20050 J45型扭力攻丝筒夹 J45 TAPPING TORSION TAPPING COLLET



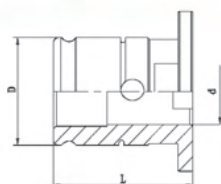
★:该夹头 II 型内部设有过载保护装置, 扭矩可调 ★:订货时请写明规格,柄径d及形式如: 19-3.5 × 2.7- II

★: With overload protection device inside the chucks torque adjustable

★: Show the specification in the order,with diameter of shank in the form as 19-3.5 × 2.7- II

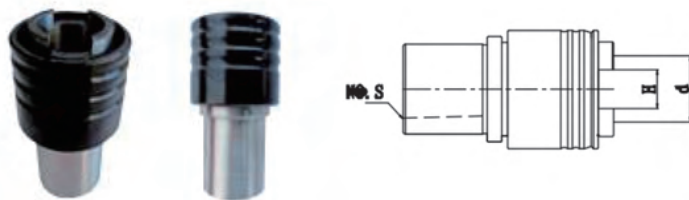
型号 Model DXa	d (mm)		DIN371	DIN374	DIN376
3.5X2.7	19		M3	M5	M5
4X3			M3.5		M5.5
4.5X3.4			M4	M6	M6
6X4.9		31	M5 M6	M8	M8
7X5.5			M7	M10	M9 M10
8X6.2			M8		M11
9X7			M9	M12	M12
10X8			M10		
11X9	M11		M14	M14	
12X9	M12		M16	M16	
14X11			M18	M18	
16X12			M20	M20	
18X14.5	48			M22 M24	M22 M24
20X16				M27	M27
22X18				M30	M30
25X20				M33	M33
28X22				M36	M36

ZY-200501 扭力攻丝筒夹转接器 TAPPING COLLET ADAPTER



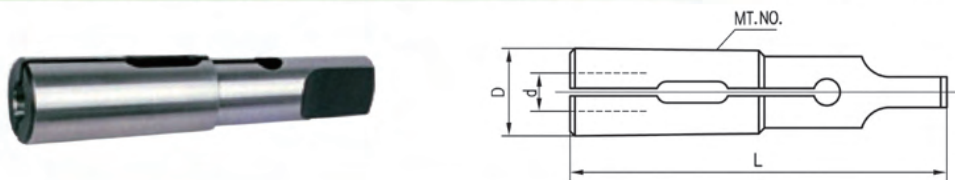
型号 Model No.	L	D	d
TCS1B-2B	41.5	31	19
TCS2B-3B	62.8	48	31

ZY-200502 扭力夹头连接器 TORSION CLAMP CONNECTOR



型号 Model No.	d	H	NO.S
JTS1B	19	10	B12 B16 B18 B20
JTS2B	31	16	
JTS3B	48	24	

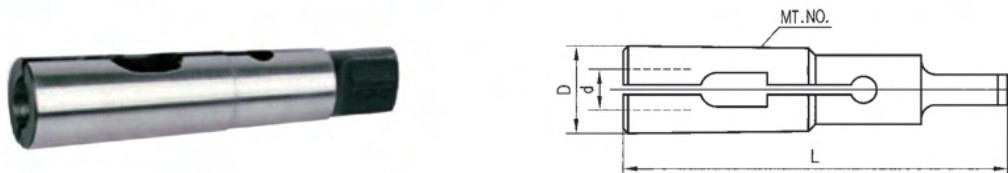
ZY-20052 莫氏钻孔弹性套筒 MORSE TAPER DRILLING SLEEVES



型号 Model No.	MT.NO.	d (mm)	D (mm)	L (mm)
TZ1-d	MT1	2.24 ~ 8.0	12.31	67
TZ2-d	MT2	4.75 ~ 12	18.06	80
TZ3-d	MT3	11.2 ~ 18	24.15	80
TZ4-d	MT4	16 ~ 25	31.66	90
TZ5-d	MT5	19 ~ 30	44.7	160.5

ZY-20054 莫氏攻丝弹性套筒 MORSE TAPER TAPPING SLEEVES

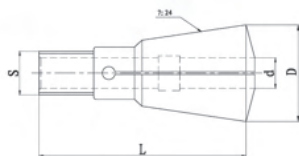
- ★:攻丝时, 套筒自动锁紧, 扭矩过载保护攻丝平稳, 避免丝锥折断
- ★:When tapping, sleeve is automatically locked, when tapping, torque overload protection, tapping is stable, to avoid tap breaking



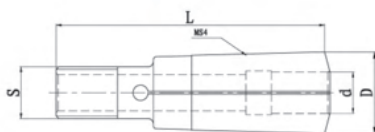
型号 Model No.	MT.NO.	d (mm)	D (mm)	L (mm)
TG0-d	MT0	2.47 ~ 4.53	9.2	59.5
TG1-d	MT1	2.5 ~ 8	12.31	67
TG2-d	MT2	5.95 ~ 12	18.06	80
TG3-d	MT3	12.5 ~ 18	24.15	80
TG4-d	MT4	16 ~ 24	31.66	90
TG5-d	MT5	22 ~ 34	44.73	156
TG6-d	MT6	34 ~ 38	63.76	217.5

ZY-200601 7:24/MK夹头系列 7:24/MK COLLET SERIES

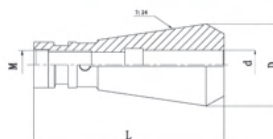
- ★:采用进口高强度材质，淬火、回火后经特殊处理，产品性能稳定，耐磨耐用
- ★:夹紧力大，精度高
- ★:与机床连接后可以夹持各种刀具
- ★:Adopt high strength special material, after quenching , through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:Large clamping force, high precision
- ★:After connecting with the machine, it can clamp all kinds of tools.



型号 Model No.	L mm	D mm	d mm	S
SK40 S20X2	96.5	44.65	3~25	S20X2



型号 Model No.	L mm	D mm	d mm	S
MK4 S20x2	105	31.592	3~25	S20X2

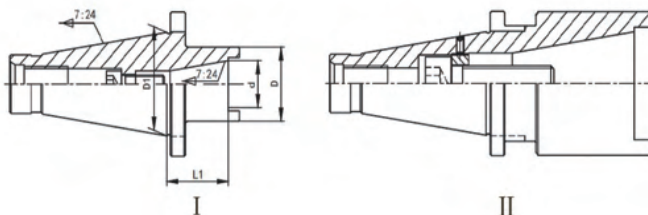


型号 Model No.	L mm	D mm	dmm	M
DIN2080.40M16	105.5	44.9	3~25	M16

ZY-30002 7:24/7:24 变径套(后拉式) 7:24 TO 7:24 ADAPTER(WITH DRAW BAR)

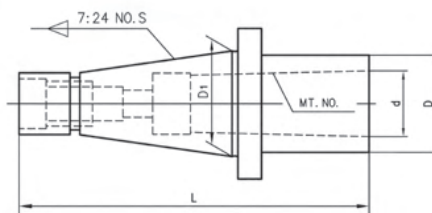
- ★:采用高强度材质加工, 经特殊处理后产品具有高耐磨性
- ★:硬度达到HRC58~62
- ★:柄部与机床连接, 内锥可配装相对应的各种刀具

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:Hardness: HRC58 ~ 62
- ★:The taper sleeve handle is connected with the machine, and the inner cone can be equipped with corresponding tools



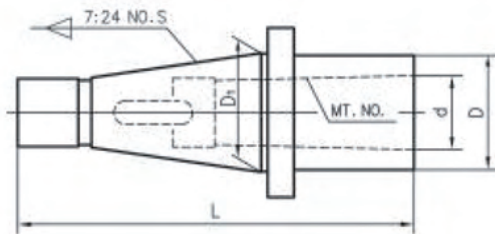
订单号 Order	7:24 NO.S	7:24 NO.T	D mm	d mm	D1 mm	L1 mm	示意图 Figure
2080.40-30W	40	30	50	31.75	44.45	50	II
2080.40-40W	40	40	63	44.45	44.45	100	II
2080.50-30W	50	30	50	31.75	69.85	50	I
2080.50-40W	50	40	70	44.45	69.85	70	I
2080.50-50W	50	50	97	69.85	69.85	120	II

ZY-30004 7:24/MT 变径套(拉杆型) 7:24 TO MT ADAPTER(DRAW BAR TYPE)



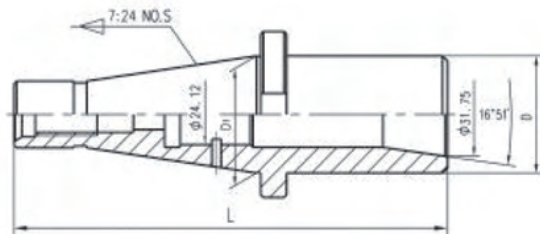
型号 Model No.	7:24 NO.S	MT.NO.	D(mm)	D1(mm)	d(mm)	L(mm)
DIN2080.30-1W	30	MT1	25	31.75	12.065	105
DIN2080.30-2W	30	MT2	32		17.780	118
DIN2080.30-3W	30	MT3	40		23.825	155
DIN2080.40-1W	40	MT1	25	44.45	12.065	120
DIN2080.40-2W	40	MT2	32		17.780	120
DIN2080.40-3W	40	MT3	40		23.825	140
DIN2080.40-4W	40	MT4	48		31.267	178
DIN2080.40-5W	40	MT5	61		44.399	238
DIN2080.50-1W	50	MT1	25	69.85	12.065	160
DIN2080.50-2W	50	MT2	32		17.780	160
DIN2080.50-3W	50	MT3	40		23.825	160
DIN2080.50-4W	50	MT4	48		31.267	180
DIN2080.50-5W	50	MT5	61		44.399	210

ZY-30006 7:24/MT 变径套(扁尾式) 7:24 TO MT ADAPTER(WITH TANG)



型号 Model No.	7:24 NO.S	MT. NO.	D (mm)	D1 (mm)	d (mm)	L (mm)
DIN2080.30-MTA1	30	MT1	25	31.75	12.065	118
DIN2080.30-MTA2		MT2	32		17.780	118
DIN2080.30-MTA3		MT3	40		23.825	138
DIN2080.30-MTA4		MT4	48		31.267	212
DIN2080.40-MTA1	40	MT1	25	44.45	12.065	143
DIN2080.40-MTA2		MT2	32		17.780	143
DIN2080.40-MTA3		MT3	40		23.825	158
DIN2080.40-MTA4		MT4	48		31.267	188
DIN2080.40-MTA5		MT5	61		44.399	273
DIN2080.50-MTA1	50	MT1	25	69.85	12.065	172
DIN2080.50-MTA2		MT2	32		17.780	187
DIN2080.50-MTA3		MT3	40		23.825	192
DIN2080.50-MTA4		MT4	48		31.267	197
DIN2080.50-MTA5		MT5	61		44.399	232

ZY-30008 7:24/R8 变径套 7:24 TO R8 ADAPTER



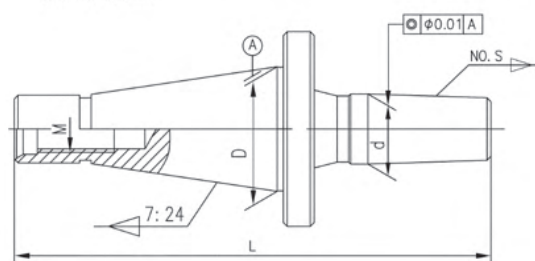
型号 Model No.	7:24 NO.S	D1 (mm)	L (mm)	D (mm)
DIN2080.30-R8	30	31.75	192	42
DIN2080.40-R8	40	44.45	178.6	44.5
DIN2080.50-R8	50	69.85	175	

ZY-30010 7:24 钻接杆 7:24 DRILL CHUCK ARBORS

- ★:采用高强度材质加工，经特殊处理后产品具有高耐磨性
- ★:硬度达到HRC58~62
- ★:钻接杆主要用于配装钻夹头在机床上钻铣使用，一般用于车床，铣床，加工中心等机床



- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:Hardness: HRC58 ~ 62
- ★:The drill arbor is mainly used for fitting the drill chuck to drill and mill on the machine tool, generally used for lathe, milling machine, processing center and other machine tools

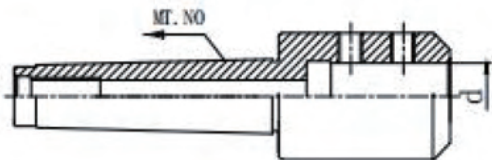


型号 Model No.7:24-NO.S	D mm	d mm	L mm	M	重量 Wt(kg)	型号 Model No.7:24- NO.S	D mm	d mm	L mm	M	重量 Wt(kg)
DIN2080.30-J0	31.75	6.350	99	M12	0.313	DIN2080.50-J6	69.85	17.170	184	M24	2.739
DIN2080.30-J1		9.754	106		0.326	DIN2080.50-J3		20.599	191		2.777
DIN2080.30-J2S		13.940	109		0.341	DIN2080.50-J4		28.550	202		2.953
DIN2080.30-J2		14.199	113		0.349	DIN2080.50-J5		35.890	208		3.178
DIN2080.30-J33		15.850	122		0.377	DIN2080.30-B10	31.75	10.094	104	M12	0.325
DIN2080.30-J6		17.170	122		0.388	DIN2080.30-B12		12.065	108		0.330
DIN2080.30-J3		20.599	123		0.426	DIN2080.30-B16		15.733	116		0.372
DIN2080.30-J4		28.550	136		0.602	DIN2080.30-B18		17.780	124		0.393
DIN2080.30-J5		35.890	145		0.827	DIN2080.30-B22		21.793	133		0.460
DIN2080.40-J0	44.45	6.350	126	M16	0.789	DIN2080.30-B24		23.825	143		0.518
DIN2080.40-J1		9.754	133		0.797	DIN2080.40-B10	44.45	10.094	132	M16	0.801
DIN2080.40-J2S		13.940	136		0.817	DIN2080.40-B12		12.065	136		0.809
DIN2080.40-J2		14.199	141		0.829	DIN2080.40-B16		15.733	143		0.848
DIN2080.40-J33		15.850	145		0.853	DIN2080.40-B18		17.780	151		0.869
DIN2080.40-J6		17.170	145		0.864	DIN2080.40-B22		21.793	160		0.936
DIN2080.40-J3		20.599	150		0.902	DIN2080.40-B24		23.825	169		0.994
DIN2080.40-J4		28.550	165		1.028	DIN2080.50-B10	69.85	10.094	170	M24	2.684
DIN2080.40-J5		35.890	170		1.303	DIN2080.50-B12		12.065	174		2.676
DIN2080.50-J1	69.85	9.754	175	M24	2.672	DIN2080.50-B16		15.733	182		2.723
DIN2080.50-J2S		13.940	177		2.692	DIN2080.50-B18		17.780	195		2.744
DIN2080.50-J2		14.199	180		2.704	DIN2080.50-B22		21.793	200		2.811
DIN2080.50-J33		15.850	184		2.728	DIN2080.50-B24		23.825	215		2.869

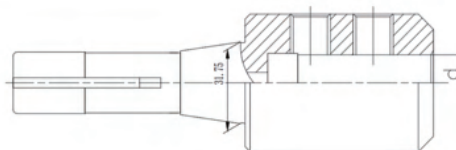
ZY-30012 立铣刀杆 END MILL ADAPTERS

- ★:采用高强度材质加工，经特殊处理后产品具有高耐磨性
- ★:柄部与机床主轴连接，前端内孔可夹持刀具
- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The holder is connected with the spindle of the machine,The front end inner hole can clamp the tool.

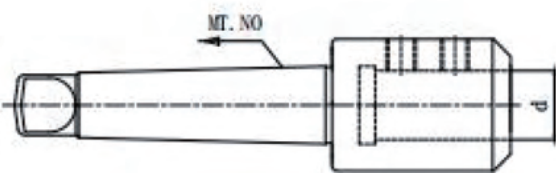
MT2 ~ MT6



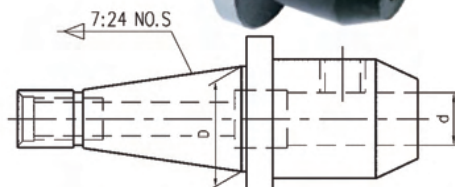
R8



MT2A ~ MT6A



DIN2080.30 ~ DIN2080.50

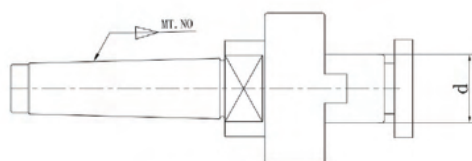


连接柄 SHANK	d mm	连接柄 SHANK	d in
MT2、MT3、MT4、 MT5、MT6 MT2A、MT3A、MT4A、 MT5A、MT6A DIN2080.30、DIN2080.40、 DIN2080.50 R8	6	MT2、MT3、MT4、 MT5、MT6 MT2A、MT3A、MT4A、 MT5A、MT6A DIN2080.30、DIN2080.40、 DIN2080.50 R8	1/4
	8		5/16
	10		3/8
	12		1/2
	14		5/8
	16		3/4
	18		1
	20		1-1/4
	25		1-1/2
	32		2
	40		2-1/2

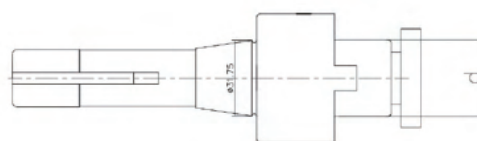
ZY-30014 套式铣刀杆 SHELL END MILL ARBORS

- ★:采用高强度材质加工, 经特殊处理后产品具有高耐磨性
- ★:柄部与机床主轴连接, 前端配装刀盘
- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★:The holder is connected with the spindle of the machine, The front end is equipped with cutter disc

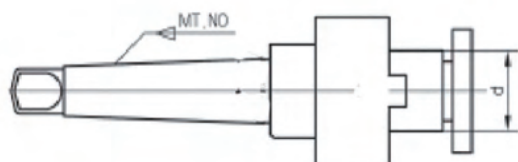
MT2 ~ MT6



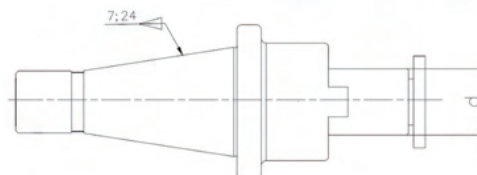
R8



MT2A ~ MT6A



DIN2080.30 ~ DIN2080.50



连接柄 SHANK	d mm	连接柄 SHANK	d in
MT2、MT3、MT4、MT5、MT6 MT2A、MT3A、MT4A、MT5A、 MT6A DIN2080.30、DIN2080.40、 DIN2080.50R8	13	MT2、MT3、MT4、MT5、MT6 MT2A、MT3A、MT4A、MT5A、 MT6A DIN2080.30、DIN2080.40、 DIN2080.50R8	1/2
	16		5/8
	22		3/4
	27		7/8
	32		1
	40		1-1/4
	50		1-1/2
	60		2

精密平口钳系列
PRECISION VISE SERIES

数控工具系列
CNC TOOL SYSTEMS

夹头系列
COLLET SERIES

铣刀杆系列
MILLING ARBOR SERIES

刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES

顶尖系列
CENTER SERIES

分度头系列
INDEX FUTURE SERIES

镗头系列
BORING HEADS SERIES

平行快系列
PARALLEL BLOCK SERIES

边磨机系列
EDGE FINDER SERIES

其它系列
OTHER ACCESSORY SERIES

ZY-30016 混合插入式铣刀杆 COMBI SHELL END MILL ARBORS

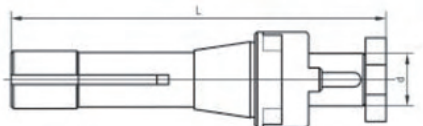
★:采用高强度材质加工, 经特殊处理后产品具有高耐磨性

★:柄部与机床主轴连接, 前端配装刀盘

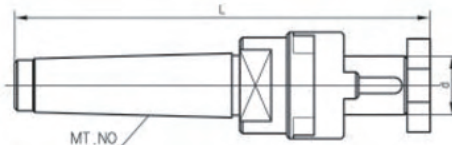
★:The holder is made of imported high strength material and has high wear resistance after special treatment

★:The holder is connected with the spindle of the machine, The front end is equipped with cutter disc

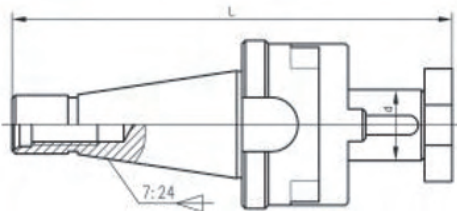
R8



MT2~MT6



DIN2080.30 ~ DIN2080.50



注: 订购时请注明连接柄及刀杆直径

连接柄 SHANK	d mm
MT2、MT3、MT4、MT5 DIN2080.30、DIN2080.40、 DIN2080.50、R8	13
	16
	22
	27
	32
	40
	50

ZY-30018 混合插入式铣刀杆用附件 ATTACHMENT OF COMBI SHELL END MILL ARBORS



拨环 DRIVE RING	扳手 SPANNER	刀杆直径 Dia of arbors
DRIVE RING-13	SPANNER-13	13mm
DRIVE RING-16	SPANNER-16	16mm
DRIVE RING-22	SPANNER-22	22mm
DRIVE RING-27	SPANNER-27	27mm
DRIVE RING-32	SPANNER-32	32mm
DRIVE RING-40	SPANNER-40	40mm
DRIVE RING-50	SPANNER-50	50mm
DRIVE RING-25.4	SPANNER-25.4	25.4mm

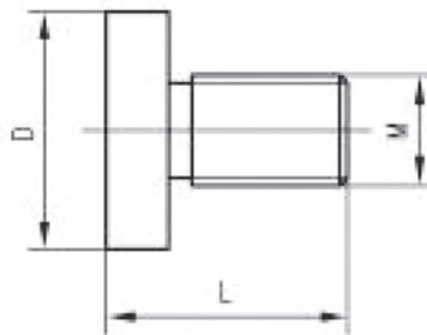
ZY-300181 套式铣刀杆用螺钉 SCREW FOR SHELL END MILL ARBORS

★:采用优质合金钢加工，经特殊处理后产品耐磨耐用

★:属于刀柄配件

★:The products are made of high quality alloy steel and are durable after special treatment

★:Belongs to the holder accessories



型号 Model No.	M	适用刀杆直径 Dia of arbors(mm)	D mm	L mm	型号 Model No.	M	适用刀杆直径 Dia of arbors(in)	D mm	L mm
SD-M6	M6	13	17	18	SD-1/4-28	1/4"-28	1/2	16.7	21
SD-M8	M8	16	20	22	SD-3/8-24	3/8"-24	5/8 3/4	22.2	27
SD-M10	M10	22	28	25	SD-1/2-20	1/2"-20	7/8 1	30.2	33
SD-M12	M12	27	35	30	SD-5/8-18	5/8"-18	1-1/4	38.1	39
SD-M16	M16	32	42	35	SD-3/4-16	3/4"-16	1-1/2	47.6	45
SD-M20	M20	40	52	40	SD-1-12	1"-12	2	63.1	52
SD-M24	M24	50	63	48	SD-1-1/4-12	1-1/4"-12	2-1/2	69.85	55
SD-M30	M30	60	75	53					

Let all the world
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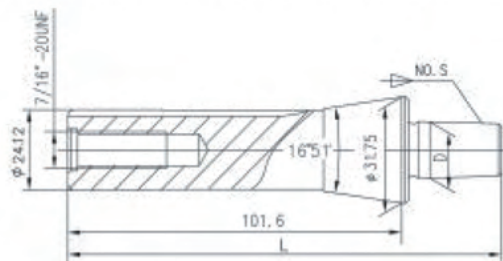
ZY-30032 R8 钻接杆 R8 DRILL CHUCK ARBORS

★:采用进口高强度材质加工，经特殊处理后产品具有高耐磨性

★:柄部与机床主轴连接，前端与各种内锥式钻夹头联用

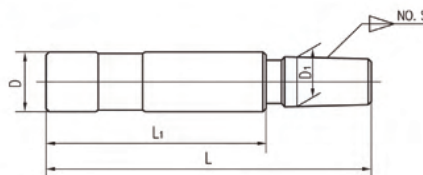
★:The holder is made of imported high strength material and has high wear resistance after special treatment

★:The shank is connected with the spindle of the machine, and the front end is used in conjunction with various internal cone drill chucks



型 号 Model No.	D(mm)	L(mm)	重量 Wt(kg)	型 号 Model No.	D (mm)	L (mm)	重量 Wt(kg)
R8-NO.S				R8-NO.S			
R8-J0	6.350	117	0.393	R8-J5	35.890	154	0.742
R8-J1	9.754	122	0.409	R8-B6	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

ZY-30034 直柄钻接杆 STRAIGHT SHANK DRILL CHUCK ARBORS

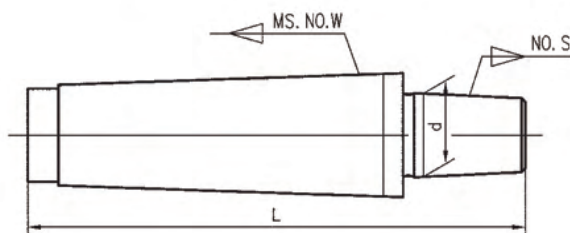


型 号 Model No.	D		NO.S	D ₁ (mm)
	in	mm		
D-J0		6	J0	6.350
D-J1		8	J1	9.754
D-J2		10	J2	14.199
D-J3	3/8"	12	J3	20.599
D-J4	1/2"	13	J4	28.550
D-J5	5/8"	14	J5	35.890
D-J6	7/8"	16	J6	17.170
D-J33	3/4"	20	J33	15.850
D-B6	1"	25	B6	6.350
D-B10	1-1/4"	26	B10	10.094
D-B12	1-1/2"	32	B12	12.065
D-B16	1-3/4"	35	B16	15.733
D-B18		36	B18	17.780
D-B22		40	B22	21.793
D-B24		50	B24	23.825

注：如需特殊订做，需注明DxL1xNO.S-L. If specially order, please note:DxL1xNO.S-L

ZY-30036 后拉型莫氏钻接杆 MORSE TAPER DRILL CHUCK ARBORS WITH DRAW BAR

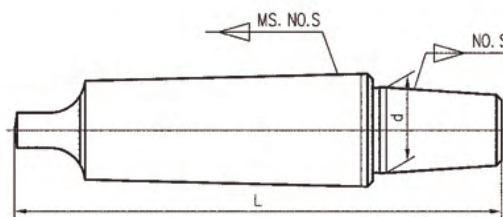
- ★:采用进口高强度材质加工, 经特殊处理后产品性能稳定, 具有高耐磨性
- ★:柄部与主轴或变径套连接, 前端与各种内锥式钻夹头联用
- ★:Adopt high strength special material, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:The shank is connected with the spindle or sleeve, and the front end is used in conjunction with various internal cone drill chucks



型号 Model No. MS.NO.W-NO.S	d mm	Lmm	型号 Model No. MS.NO.W-NO.S	d mm	Lmm	型号 Model No. MS.NO.W-NO.S	d mm	Lmm
MS0W-J0	6.350	67	MS2W-J6	17.170	97	MS4W-J33	15.850	137
MS0W-J1	9.754	72	MS2W-J33	15.850	97	MS4W-B10	10.094	130
MS0W-J2	14.199	78	MS2W-B10	10.094	90	MS4W-B12	12.065	134
MS0W-J3	20.599	87	MS2W-B12	12.065	94	MS4W-B16	15.733	141
MS0W-J6	17.170	81	MS2W-B16	15.733	101	MS4W-B18	17.780	149
MS0W-J33	15.850	81	MS2W-B18	17.780	109	MS4W-B22	21.793	158
MS0W-B10	10.094	74	MS2W-B22	21.793	117	MS4W-B24	23.825	168
MS0W-B12	12.065	78	MS2W-B24	23.825	127	MS5W-J2	14.199	161
MS0W-B16	15.733	85	MS3W-J1	9.754	105	MS5W-J3	20.599	170
MS0W-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	15.733	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	17.170	218
MS2W-J1	9.754	88	MS4W-J2	14.199	134	MS6W-J33	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	17.780	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

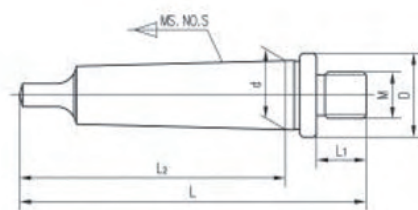
ZY-30038 舌尾型莫氏钻接杆 MORSE TAPER DRILL CHUCK ARBORS WITH TANG

- ★:采用进口高强度材质加工，经特殊处理后产品性能稳定，具有高耐磨性
- ★:柄部与主轴或变径套连接，前端与各种内锥式钻夹头联用
- ★:Adopt high strength special material, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:The shank is connected with the spindle or sleeve, and the front end is used in conjunction with various internal cone drill chucks



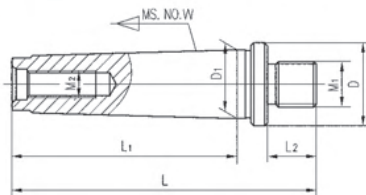
型号 Model No. MS.NO.W-NO.S	d mm	Lmm	型号 Model No. MS.NO.W-NO.S	d mm	Lmm	型号 Model No. MS.NO.W-NO.S	d mm	Lmm
MS0-B6	6.350	75	MS2-B22	21.793	128	MS4-B18	17.780	164
MS0-B10	10.094	80	MS2-B24	23.825	138	MS4-B22	21.793	172
MS0-B12	12.065	84	MS2-B18S	17.431	113	MS4-B24	23.825	182
MS0-B16	15.733	91	MS2-J0	6.350	94	MS4-J0	6.350	138
MS0-B18	17.780	99	MS2-J1	9.754	100	MS4-J1	9.754	143
MS0-B22	21.793	108	MS2-J2	14.199	105	MS4-J2	14.199	149
MS0-B24	23.825	118	MS2-J3	20.599	114	MS4-J3	20.599	158
MS0-J0	6.350	73	MS2-J4	28.550	125	MS4-J4	28.550	169
MS0-J3	20.599	93	MS2-J5	35.890	130	MS4-J5	35.890	174
MS0-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	MS3-B24	23.825	157	MS5-B24	23.825	214
MS1-J1	9.754	85	MS3-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	17.170	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

ZY-30040 螺纹钻接杆 MORSE DRILL CHUCK ARBORS



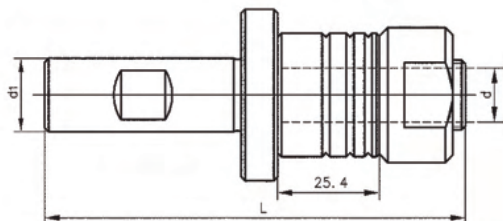
型号Model No.	MS.NO.S	L(mm)	L ₁ (mm)	L ₂ (mm)	D(mm)	d(mm)	M
MS1-3/8"-24UNF	MS1	83	13.5	62	24	12.065	3/8"-24UNF
MS1-1/2"-20UNF		85	15.5		27		1/2"-20UNF
MS1-M12 × 1.25							M12 × 1.25
MS1-5/8"-16UNF		88	17.5		29		5/8"-16UNF
MS2-M10 × 1	MS2	97	13.5	75	24	17.780	M10 × 1
MS2-3/8"-24UNF							3/8"-24UNF
MS2-M12 × 1.25		100	15.5		27		M12 × 1.25
MS2-1/2"-20UNF							1/2"-20UNF
MS2-M16 × 1.5							M16 × 1.5
MS2-5/8"-16UNF		103	17.5		29		5/8"-16UNF
MS2-5/8"-20UNF							5/8"-20UNF
MS3-M10 × 1	MS3	116	13.5	94	24	23.825	M10 × 1
MS3-3/8"-24							3/8"-24UNF
MS3-M12 × 1.25		119	15.5		27		M12 × 1.25
MS3-1/2"-20UNF							1/2"-20UNF
MS3-M16 × 1.5		122	17.5		29		M16 × 1.5
MS3-5/8"-16UNF							5/8"-16UNF
MS4-M12 × 1.25	MS4	145	15.5	117.5	31.6	31.267	M12 × 1.25

ZY-30042 后拉式螺纹钻接杆 MORSE DRILL CHUCK ARBORS



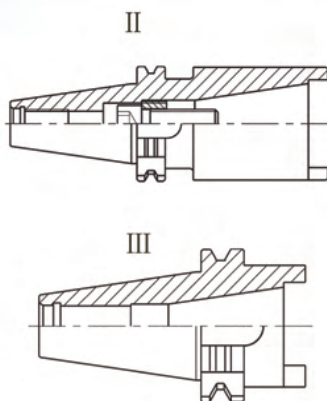
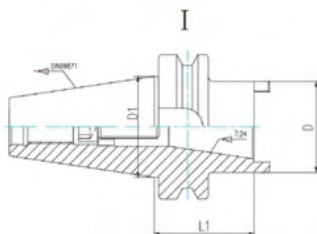
型号 Model No.	Dmm	MS.NO.W	Lmm	L ₁ mm	L ₂ mm	D ₁ mm	M ₁	M ₂
MS2W-3/8"-24UNF	24	MS2W	88	64	13.5	17.780	3/8"-24UNF	M10 × 1.5
MS2W-1/2"-20UNF	27	MS2W	91	64	15.5		1/2"-20UNF	
MS3W-3/8"-24UNF	24	MS3W	105	81	13.5	23.825	3/8"-24UNF	M12 × 1.75
MS3W-1/2"-20UNF	27	MS3W	108	81	15.5		1/2"-20UNF	

ZY-30046 直柄卧铣刀杆 STRAIGHT SHANK MILLING MACHINE ARBORS



型号 Model No.	d ₁ (in)	d(in)	L(mm)	型号 Model No.	d ₁ (in)	d(in)	L(mm)
DG1/2-1/2	1/2	1/2	102.4	DG3/4-1/2	3/4	1/2	108.7
DG1/2-5/8		5/8		DG3/4-5/8		5/8	
DG1/2-3/4		3/4	105.6	DG3/4-3/4		3/4	111.9
DG1/2-7/8		7/8		DG3/4-7/8		7/8	
DG1/2-1		1	111.9	DG3/4-1		1	118.3
DG1/2-1-1/4		1-1/4		DG3/4-1-1/4		1-1/4	

ZY-30054 数控7:24变径套7:24 TAPER SLEEVES

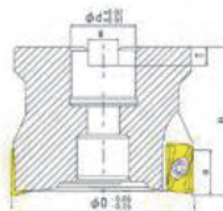


- ★:示意图 I 所示的刀柄使用时需安装内六角螺钉
- ★:示意图 II 所示的刀柄使用时需安装标准拉钉, 订购时如需拉钉请注明
- ★:示意图 III 所示的刀柄使用时需安装加长拉钉, 订购时如需拉钉请注明
- ★:See figure I, when the arbor being used, it is necessary to fix inner hex screw.
- ★:See figure II, when the arbor bein used, it is necessary to fix standard knob, please note when order it
- ★:See figure III, when the arbor being used, it is necessary to fix extension knob, please onte when order it.

型 号 Model No.DIN69871.AX7:24-L ₁	D	D ₁	示意图 Figure	型号 Model No. BTX7:24-L ₁	D	D ₁	示意图 Figure
DIN69871.A40 × ISO30-50	50	44.45	III	BT40 × ISO30-50	50	44.45	III
DIN69871.A40 × ISO40-100	63	44.45	II	BT40 × ISO40-100	63	44.45	II
DIN69871.A50 × ISO30-50	50	69.85	I	BT50 × ISO30-50	50	69.85	I
DIN69871.A50 × ISO40-70	70	69.85	II	BT50 × ISO40-70	70	69.85	II
DIN69871.A50 × ISO50-120	97	69.85	II	BT50 × ISO50-120	97	69.85	II

ZY-DP0001 直角台肩壳形铣刀盘

BAP/TAP-90° RIGHT ANGLE SHOULDER FACE MILL CUTTERS



型号Model No.	尺寸Size(mm)							刀片Insert	螺钉Screw	扳手Wrench
	D	d	H	W	T	a	重量KGS			
BAP300R-40-16-4T	40	16	40	8.4	6.3	9	0.35	APMT1135PDER	M2.5*6	T8
BAP300R-50-22-4T	50	22	50	10.4	6.3	9	0.4	APMT1135PDER	M2.5*6	T8
BAP300R-63-22-5T	63	22	50	10.4	6.3	9	0.65	APMT1135PDER	M2.5*6	T8
BAP400R-50-22-4T	50	22	50	10.4	6.3	14	0.4	APMT1604PDER	M4.0*9	T15
BAP400R-50-25.4-4T	50	25.4	50	10	6	14	0.4	APMT1604PDER	M4.0*9	T15
BAP400R-63-22-4T	63	22	50	10.4	6.3	14	0.65	APMT1604PDER	M4.0*9	T15
BAP400R-63-22-5T	63	22	50	10.4	6.3	14	0.65	APMT1604PDER	M4.0*9	T15
BAP400R-63-25.4-4T	63	25.4	50	10	6	14	0.65	APMT1604PDER	M4.0*9	T15
BAP400R-80-25.4-4T	80	25.4	50	10	6	14	1	APMT1604PDER	M4.0*9	T15
BAP400R-80-27-5T反齿	80	27	50	12.4	7	14	1	APMT1604PDER	M4.0*9	T15
BAP400R-80-27-5T	80	27	50	12.4	7	14	1	APMT1604PDER	M4.0*9	T15
BAP400R-80-27-6T	80	27	50	12.4	7	14	1	APMT1604PDER	M4.0*9	T15
BAP400R-80-27-6T	80	27	50	12.4	7	14	1	APMT1604PDER	M4.0*9	T15
BAP400R-100-32-6T	100	32	50	14.4	8	14	1.25	APMT1604PDER	M4.0*9	T15
BAP400R-100-31.75-6T	100	31.75	50	13	8	14	1.25	APMT1604PDER	M4.0*9	T15
BAP400R-125-40-6T	125	40	63	16.4	9	14	3.1	APMT1604PDER	M4.0*9	T15
BAP400R-125-38.1-7T	125	38.1	63	16.4	10	14	3.1	APMT1604PDER	M4.0*9	T15
BAP400R-160-40-8T	160	40	63	16.4	9	14	5.1	APMT1604PDER	M4.0*9	T15
BAP400R-200-60-10T	200	60	63	25.7	14	14	6.78	APMT1604PDER	M4.0*9	T15
BAP400R-250-60-12T	250	60	63	25.7	14	14	10.5	APMT1604PDER	M4.0*9	T15

型号Model No.	F7 03 0	F6 20	VP1 5TF	UP 20 M	MX 252 5	UT1 20T	HT 110	NC M3 25	NC M3 25	PC 354 5	PC 353 0	PC 65 10	PD2 000	H0 1	H1 01	H1 02	KC 25	PC 30	PC 35	刀片形状 Insertshape	尺寸Size(mm)				
	L1	L2	S1	F1	Re																				
APM1135PDER-H1	●	●	●	●	●	●	●														11	6.35	3.5	1.5	0.4
APM1135PDER-H2	●	●	●	●	●	●	●														11	6.35	3.5	1.2	0.8
APM1135PDER-H3	●	●		●			●														11	6.35	3.5	0.8	1.2
APM1135PDER-H4	●	●		●			●														11	6.35	3.5	0.4	1.6
APM1135PDER-H6	●	●		●			●														11	6.35	3.5	0.4	2.4
APM1135PDER-M0	●																				11	6.35	3.5	1.8	0.2
APM1135PDER-M1	●																				11	6.35	3.5	1.5	0.4
APM1135PDER-M2	●	●	●	●		●															11	6.35	3.5	1.2	0.8
APM1135PDER-G2																					11	6.35	3.5	1.2	0.8
APM1604PDER-H1	●		●				●														16.5	9.525	4.76	1.7	0.4
APM1604PDER-H2	●	●	●	●	●	●	●														16.5	9.525	4.76	1.7	0.8
APM1604PDER-H4	●						●														16.5	9.525	4.76	1.7	1.6
APM1604PDER-H6	●						●														16.5	9.525	4.76	1.7	2.4
APM1604PDER-H8	●						●														16.5	9.525	4.76	1.7	3.2
APM1604PDER-M2	●	●	●	●																	16.5	9.525	4.76	1.7	0.8
APM1604PDER-G2	●							●													16.5	9.525	4.76	1.7	0.8
APKT1604PDSR									●	●	●	●	●								16.4	9.525	4.76	-	0.8
APM1604PDER-MA														●	●						16.4	9.525	4.76	-	0.8

精密平口钳系列
PRECISION VISE SERIES

数控工具系列
CNC TOOL SYSTEMS

夹头系列
COLLET SERIES

铣刀系列
MILLING ARBOR SERIES

刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES

顶尖系列
CENTER SERIES

分度头系列
INDEX FEATURE SERIES

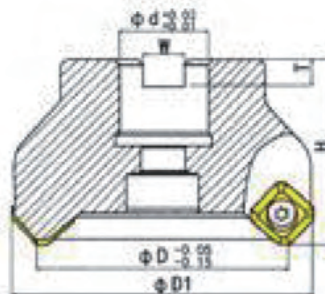
镗头系列
BORING HEADS SERIES

平行快系列
PARALLEL BLOCK SERIES

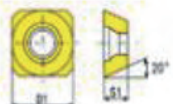
边刀具系列
EDGE FINDER SERIES

其它系列
OTHER ACCESSORY SERIES

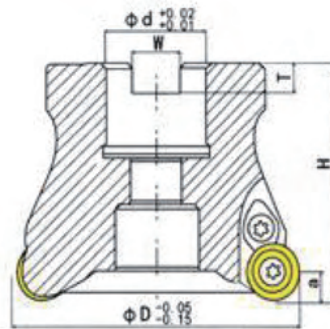
ZY-DP0002KM-45° 壳形铣刀盘 KM-45° FACE MILL CUTTERS



规格/型号Model		尺寸Size(mm)						刀片Insert	螺钉Screw	扳手Wrench
	D	D1	d	H	W	T	重量KGS	SEHT1204	MS*11	T20
KM12-50-22-4T	50	64	22	50	10.4	6.3	0.6			
KM12-50-25.4-4T	50	64	25.4	50	10	6	0.5			
KM12-50-22-4T反齿	50	64	22	50	10.4	6.3	0.5			
KM12-63-22-4T	63	77	22	50	10.4	6.3	0.75			
KM12-63-25.4-4T	63	77	25.4	50	10	6	0.75			
KM12-80-27-5T	80	94	25.4	50	10	6	1.2			
KM1280-27-5T反齿	80	94	27	50	12.4	7	1.2			
KM12-100-32-5T	100	114	32	50	14.4	8	1.8			
KM12-100-31.75-5T	100	114	31.75	50	13	8	1.8			
KM12-126-40-6T	125	139	40	63	16.4	9	3.8			
KM12-125-38.1-6T	125	139	38.1	63	16.2	10	3.8			
KM12-160-40-7T	160	174	40	63	16.4	9	5.2			
KM12-160+38.1-7T	160	175	38.1	63	16.2	10	5.2			
KM12-200-60-10T	200	214	60	63	25.7	14	6.8			
KM12-200-38.1-10T	200	214	38.1	63	16.2	9	6.8			
KM12-250-60-12T	250	264	60	63	25.7	14	10.5			
KM12-300-60-14T	300	314	60	63	25.7	14	-			
KM12-315-60-14T	315	329	60	63	25.7	14	-			
KM12-350-00-	350	364	60	63	25.7	14	-			
KM12-400-60-	400	414	63	63	25.7	14	-			

规格/型号Model	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	刀片形状 Insertshape	尺寸Size(mm)			
	P2 5	P3 5	P3 5	P4 5	W M	W M3 5	W K1 5	W A K 25	W K M	W K 10	W M3 25	W C35 35	W P35 50	W C65 10	W C23 0	W CN30		W H01	D1	S1	
SEHT 120MAFN		●	●	●		●				●								12.7	4.76	有	WALTER(瓦 尔特) KORLOY(刀 片)
1204AFN-K88									●									12.4	4.76	有	
SEHW 1204AFN	●	●	●		●	●	●	●										12.4	4.76	无	
SECA 1204AFSN											●	●						12.7	4.76	无	
1204AFTN													●		●	●		12.4	4.76	无	
1204AFFN														●				12.4	4.76	无	
1204AFEN																		12.4	4.76	无	
SEHT 1204AFFN-M																●		12.4	4.76	无	
规格/型号Model	H1 01	H1 02	KC 25	PP 30	PC 35	PT E2 5	PF Z	M P 91 M	PM G	GH 1	SK 10	刀片形状Insertshape					尺寸Size (mm)				
												D1	S1	排屑槽							
SEET 1204AFSN-M01						●							12.7	4.78	有	STELLRAM (使特龙)					
1204AFFN-F01								●					12.7	4.78	有						
SEHT 1204AF4B							●	●					12.7	4.78	有						
1204AFFN										●			12.7	4.78	有						
SEHW 1204AFN											●		12.7	4.78	无						

ZY-DP0003 EMR/EMRW 通用型圆鼻壳形铣刀盘 EMR/EMRW ROUND DOWEL FACE MILL CUTTERS



规格/型号Model	尺寸Size(mm)							刀片Insert	压板Clamp	螺钉Screw	扳手Wrench
	D	d	H	W	T	a	重量KGS				
EMR-5R-40-16-4T	40	16	42	8.5	5	5	0.3	RPMT1003 MO	A-5R	A40100J A35100F M4*10 M35*10	T15F T15
EMR-5R-40-22-4T	40	22	42	10.4	6.3	5	0.3				
EMR-5R-50-22-4T	50	22	50	10.4	6.3	5	0.35				
EMR-5R-53-22-4T	63	22	50	10.4	6.3	5	0.55				
EMR-5R-63-22-5T	63	22	50	10.4	6.3	5	0.55				
EMR-5R-63-25.4-4T	63	25.4	50	10	6	5	0.55				
EMR-5R-80-27-5T	80	27	50	12.4	7	5	0.9				
EMR-5R-80-27-6T	80	27	50	12.4	7	5	0.9				
EMR-5R-80-25.4-6T	80	25.4	50	10	6	5	0.9				
EMR-5R-100-32-6T	100	32	50	14.4	8	5	1.2				
EMR-5R-100-31.75-6T	100	31.75	63	13	9	5	1.2				
EMR-5R-125-40-6T	125	40	63	16.4	9	5	3.2				
EMR-5R-160-40-8T	160	40	63	16.4	9	5	5.2				
ENR-5R-200-60-10T	200	40	63	25.7	14	5	6.8				
EMR-5R-250-60-12T	200	40	63	25.7	14	5	10.5				

可配用刀片INERES

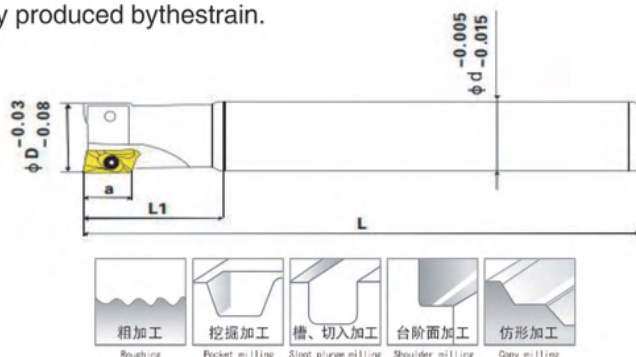
规格/型号Model	UP 20	NX 252	UT 120	F70 30	VP1 5TF	SH82 50	JC3 535	NIT	NA T	UM 8	DX 25	KT 9	H1 01	H1 02	KC2 5	PP 30	PC 35	刀片形状 Insertshape	尺寸Size(mm)			
	M	5	T																D1	S1	排屑槽	
RPMW1003MOZ	●	●	●																10	3.18	无	MTSUBISHI (三菱)
RPMW1003MOEN					●★	●★													10	3.18	无	HITACHI(日立)
RPMW1003MOEN							●	●	●	●	●	●							10	3.18	无	DIJET(戴杰)

注：可做到 $\phi 300$ ，接受非标准定制 Norice:can make $\phi 300$.nonstandard as custom order

ZY-DG-01 BAP/TAP400R-90° 方肩铣刀杆

BAP/TAP400R-90° RIGHT ANGLE SHOULDER END MILL

- ★:节能提示: 请保留您的报废刀片RAP-75° 壳行铣刀, ASJ 钻锡到还能用, 或联系本公司!
- ★:采用抗震行工具钢材质
- ★:整体预硬后, 再行精修, 避免二次处理所产生应变
- ★: Energy saving tips: please keep your scrap blads, RAP-75° she ll cutter, ASJ drill milling cuttercanal so beused, or with your company!
- ★: Using tool Steel material vibration resistance.
- ★: Overall after hard, any refinement, avoid secondary produced bythestrain.



规格/型号Model	刃数Teeth	a	D	d	L1	L	适配刀片Insert	螺钉Clampscrwr	扳手Wrench
BAP300R-11-100-C10-1T	1	11	11	10	35	100	APMT1135PDER	M2.5 × 5	T18
BAP300R-11-130-C10-1T	1	11	11	10	35	130			
BAP300R-11-150-C10-1T	1	11	11	10	35	150			
BAP300R-14-150-C14-1T	1	11	14	14	35	150			
BAP300R-14-200-C14-1T	1	11	14	14	35	200			
BAP300R-15-150-C15-2T	2	11	15	15	35	250			
BAP300R-15-200-C15-2T	2	11	15	15	35	200			
BAP300R-18-150-C16-2T	2	11	18	16	35	150			
BAP300R-18-200-C16-21T	2	11	18	16	35	200			
BAP300R-18-250-C16-2T	2	11	18	16	35	250			
BAP300R-19-150-C19-2T	2	11	19	19	45	150	APMT1135PDER	M2.5 × 5	T18
BAP300R-19-200-C19-2T	2	11	19	19	45	200			
BAP300R-19-250-C19-2T	2	11	19	19	45	250			
BAP300R-22-150-C20-2T	2	11	22	22	45	150			
BAP300R-22-200-C20-2T	2	11	22	22	45	200			
BAP300R-22-250-C20-2T	2	11	22	22	45	250			
BAP300R-26-150-C25-3T	3	11	26	26	45	150			
BAP300R-26-200-C25-3T	3	11	26	26	45	200			
BAP300R-26-250-C25-3T	3	11	26	26	45	250			
BAP300R-26-300-C25-3T	3	11	26	26	45	300			
BAP300R-27-150-C25-3T	3	11	27	27	45	150			
BAP300R-27-200-C25-3T	3	11	27	27	45	200			
BAP300R-27-250-C25-3T	3	11	27	27	45	250			
BAP300R-28-150-C25-3T	3	11	28	28	45	150			
BAP300R-28-200-C25-3T	3	11	28	28	45	200			
BAP300R-28-250-C25-3T	3	11	28	28	45	250			
BAP300R-29-150-C25-3T	3	11	29	29	45	150	APMT1135PDER	M2.5 × 5	T18
BAP300R-29-200-200-C25-3T	3	11	29	29	45	200			
BAP300R-29-250-C25-3T	3	11	29	29	45	250			
BAP300R-30-150-C25-3T	3	11	30	30	45	150			
BAP300R-30-200-C25-3T	3	11	30	30	45	200			
BAP300R-30-250-C25-3T	3	11	30	30	45	250			
BAP300R-32-150-C32-4T	4	11	32	32	45	150			
BAP300R-32-200-C32-4T	4	11	32	32	45	200			
BAP300R-32-250-C32-4T	4	11	32	32	45	250			
BAP300R-40-150-C32-4T	4	11	40	40	45	150			
BAP300R-40-200-C32-4T	4	11	40	40	45	200			
BAP300R-50-150-C32-5T	5	11	50	50	45	150			
BAP300R-50-200-C32-5T	5	11	50	50	45	200			

ZY-DG-01 BAP/TAP400R-90° 方肩铣刀杆

BAP/TAP400R-90° RIGHT ANGLE SHOULDER END MILL

规格/型号 Model	刃数Teeth	a	D	d	L1	L	适配刀片 Insert	螺钉 Clampscrwr	扳手 Wrench															
BAP300R-10-100-C10-1T	1	9	10	10	30	100	APMT1135PDER	M2.5 × 5	T18															
BAP300R-10-130-C10-1T	1	9	10	10	30	130																		
BAP300R-10-150-C10-1T	1	9	10	10	30	150																		
BAP300R-12-100-C12-1T	1	9	12	10	30	100																		
BAP300R-12-120-C12-1T	1	9	12	12	30	120																		
BAP300R-12-130-C12-1T	1	9	12	12	30	130																		
BAP300R-12-150-C12-1T	1	9	12	12	30	150																		
BAP300R-12-200-C12-1T	1	9	12	12	30	200																		
BAP300R-13-100-C12-1T	1	9	13	12	30	100																		
BAP300R-12-120-C12-1T	1	9	13	12	30	120																		
BAP300R-12-130-C12-1T	1	9	13	12	30	130																		
BAP300R-13-150-C12-1T	1	9	13	12	30	150																		
BAP300R-16-150-C15-2T	2	9	16	15	40	150																		
BAP300R-16-200-C15-2T	2	9	16	15	40	200																		
BAP300R-16-250-C15-2T	2	9	16	15	40	250																		
BAP300R-16-150-C15.6-2T	2	9	16	15.6	40	150																		
BAP300R-16-200-C15.6-2T	2	9	16	15.6	40	200																		
BAP300R-16-250-C15.6-2T	2	9	16	15.6	40	250																		
BAP300R-16-120-C16-2T	2	9	16	16	30	120																		
BAP300R-16-150-C16-2T	2	9	16	16	30	150																		
BAP300R-16-200-C16-2T	2	9	16	15	40	200																		
BAP300R-16-200-C16-2T	2	9	16	16	40	200																		
BAP300R-16-300-C16-2T	2	9	16	16	50	300																		
BAP300R-17-120-C16-2T	2	9	17	16	30	120																		
BAP300R-17-150-C16-2T	2	9	17	16	40	150																		
BAP300R-17-160-C16-2T	3	9	17	16	40	160																		
BAP300R-17-200-C16-2T	2	9	17	16	40	200																		
BAP300R-20-150-C19-2T	2	9	20	19	40	150																		
BAP300R-20-200-C19-2T	2	9	20	19	40	200																		
BAP300R-20-120-C20-2T	2	9	20	20	30	120																		
BAP300R-20-150-C20-2T	2	9	20	20	40	150																		
BAP300R-20-160-C20-2T	2	9	20	20	40	160																		
BAP300R-20-200-C20-2T	2	9	20	20	50	200																		
BAP300R-20-250-C19-2T	2	9	20	19	50	250																		
BAP300R-20-250-C20-2T	2	9	20	20	50	250																		
BAP300R-20-300-C20-2T	2	9	20	20	50	300																		
BAP300R-21-150-C20-2T	2	9	21	20	40	150																		
BAP300R-21-200-C20-2T	2	9	21	20	50	200																		
BAP300R-21-250-C19-2T	2	9	21	19	50	250																		
BAP300R-21-250-C20-2T	2	9	21	20	50	250																		
BAP300R-21-300-C20-2T	2	9	21	20	50	300																		
BAP300R-25-150-C24-2T	3	9	25	24	50	150																		
BAP300R-25-160-C24-2T	3	9	25	24	50	160																		
BAP300R-25-200-C24-2T	3	9	25	24	50	200																		
BAP300R25-250-C24-3T	3	9	25	24	50	250																		
BAP300R-25-300-C24-3T	3	9	25	24	50	300																		
BAP300R-25-150-C25-3T	3	9	25	25	50	150																		
BAP300R-25-160-C25-3T	3	9	25	25	50	160																		
BAP300R-25-200-C25-3T	3	9	25	25	50	200																		
BAP300R25-250-C25-3T	3	9	25	25	50	250																		
BAP300R-25-300-C25-3T	3	9	25	25	50	300																		
规格/型号Model	F7 03 0	F6 20	VP15T F	U P2 0 M	M X2 52 5	MX4 545	U T1 20 T	HT1 0	M C M3 25	PC 354 5	P C 3565 3010	P D 20 00	H 01	H1 01	H10 2	KC2 5	PP30	PC35	刀片形状 Insertshape	尺寸Size(mm)				
																				L1	L2	S1	Fd	Re
APMT1135PDER-H1	●	●	●★	●	●	●	●	●												11	6.35	3.5	1.5	0.4
APMT1135PDER-H2	●	●	●★	●	●	●	●	●												11	6.35	3.5	1.2	0.8
APMT1135PDER-H3	●	●		●			●													11	6.35	3.5	0.8	1.2
APMT1135PDER-H4	●	●		●			●													11	6.35	3.5	0.4	1.6
APMT1135PDER-H6	●	●		●			●													11	6.35	3.5	0.4	2.4
APMT1135PDER-MO	●	●	●★			●														11	6.35	3.5	1.8	0.2
APMT1135PDER-M1	●						●													11	6.35	3.5	1.5	0.4
APMT1135PDER-M2	●	●	●★			●			●	●	●	●	●							11	6.35	3.5	1.2	0.8
APMT1135PDER-G2							●						●	●						11	6.35	3.5	1.2	0.8

精密平口钳系列
PRECISION VISE SERIES

数控工具系列
CNC TOOL SYSTEMS

夹头系列
COLLET SERIES

铣刀系列
MILLING ARBOR SERIES

刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES

顶尖系列
CENTER SERIES

分度头系列
INDEX FUTURE SERIES

镗头系列
BORING HEADS SERIES

平行块系列
PARALLEL BLOCK SERIES

测边器系列
EDGE FINDER SERIES

其它系列
OTHER ACCESSORY SERIES

ZY-DG-01 BAP/TAP400R-90° 方肩铣刀杆

BAP/TAP400R-90° RIGHT ANGLE SHOULDER END MILL



P.47



P.115



P.117



Roughing



Pocket milling



Slot, plug milling



Shoulder milling



Copy milling

规格 / 型号Model	刃数Teeth	a	D	d	L1	L	适配刀片Insert	螺钉 Clampscrwr	扳手Wrench
BAP400R-25-150-020-2T	2	14	25	20	45	150	APMT16049DER	M4*10	T15
BAP400R-25-200-020-2T	2	14	25	20	45	200			
BAP400R-25-150-024-2T	2	14	25	20	45	150			
BAP400R-25-200-024-2T	2	14	25	20	45	200			
BAP400R-25-250-024-2T	2	14	25	20	45	250			
BAP400R-25-300-024-2T	2	14	25	20	45	300			
BAP400R-25-150-025-2T	2	14	25	24	45	150			
BAP400R-25-160-025-2T	2	14	25	24	45	160			
BAP400R-25-260-025-2T	2	14	25	24	45	200			
BAP400R-25-250-025-2T	2	14	25	25	45	250			
BAP400R-25-350-025-2T	2	14	25	25	45	300			
BAP400R-26-150-C25-2T	2	14	26	25	45	150			
BAP400R-26-200-C25-2T	2	14	26	25	45	200			
BAP400R-26-250-C25-2T	2	14	26	25	45	250			
BAP400R-30-150-C25-2T	2	14	30	25	45	150			
BAP400R-30-250-C25-2T	2	14	30	32	45	200			
BAP400R-30-250-C25-2T	2	14	30	32	45	250			
BAP400R-30-300-C25-2T	2	14	30	32	45	300			
BAP400R-32-150-C25-2T	2	14	32	32	45	150			
BAP400R-32-200-C25-2T	2	14	32	32	45	200			
BAP400R-32-250-C25-2T	2	14	32	32	45	250			
BAP400R-32-300-C25-2T	2	14	32	32	45	300			
BAP400R-32-150-C32-2T	2	14	32	32	45	150			
BAP400R-32-200-C32-2T	2	14	32	32	45	220			
BAP400R-32-250-C32-3T	3	14	32	32	45	250	APMT16049DER	M4*10	T15
BAP400R-32-300-C32-3T	3	14	32	32	45	300			
BAP400R-35-150-C32-3T	3	14	35	32	45	150			
BAP400R-35-200-C32-3T	3	14	35	32	45	200			
BAP400R-35-250-C32-3T	3	14	35	32	45	250			
BAP400R-35-300-C32-3T	3	14	35	32	45	300			
BAP400R-35-350-C32-3T	3	14	35	32	45	350			
BAP400R-35-400-C32-3T	3	14	35	32	45	400			
BAP400R-35-450-C32-3T	3	14	35	32	45	450			
BAP400R-35-500-C32-3T	3	14	35	32	45	500			
BAP400R-35-550-C32-3T	3	14	35	32	45	550			
BAP400R-40-150-C32-3T	3	14	40	32	45	150			
BAP400R-35-200-C32-3T	3	14	40	32	45	200			
BAP400R-35-250-C32-3T	3	14	40	32	45	250			
BAP400R-40-300-C32-3T	3	14	40	32	45	300			
BAP400R-35-350-C32-3T	3	14	40	32	15	350			
BAP400R-40-400-C32-3T	3	14	40	32	45	400			
BAP400R-40-450-C32-3T	3	14	40	32	45	150			

ZY-DG-01 BAP/TAP400R-90° 方肩铣刀杆

BAP/TAP400R-90° RIGHT ANGLE SHOULDER END MILL

★:节能提示: 请保留您的报废刀片RAP-75° 壳行铣刀, ASJ 钻锡到还能用, 或联系本公司!

★: 采用抗震行工具钢材质

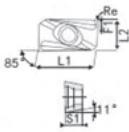
★: 整体预硬后, 再行精修, 避免二次处理所产生应变

★: Energy saving tips: please keep your scrap blads,RAP-75° she ll cutter, ASJ drill milling cutter can also beused, orwith your company!

★: Using tool Steel material vibration resistance.

★: Overall after hard,any refinement,avoid secondary produced by the strain.

规格 / 型号 Model	刃数 Teeth	a	D	d	L1	L	适配刀片Insert	螺钉 Clampscrwr	扳手 Wrench
BAP400R-22-150-C20-2T	2	14	22	20	45	150	APMT16049DE R	M4*10	T15
BAP400R-22-200-C20-2T	2	14	22	20	45	200			
BAP400R-22-250-C20-2T	2	14	22	20	45	250			
BAP400R-23-150-C20-2T	2	14	23	20	45	150			
BAP400R-23-200-C20-2T	2	14	23	20	45	200			
BAP400R-23-250-C20-2T	2	14	23	20	45	250			
BAP400R-24-150-C24-2T	2	14	24	24	45	150			
BAP400R-24-150-C24-2T	2	14	24	24	45	200			
BAP400R-24-250-C24-2T	2	14	24	24	45	250			
BAP400R-27-150-C25-2T	2	14	27	25	45	150			
BAP400R-27-200-C25-2T	2	14	27	25	45	200			
BAP400R-27-250-C25-2T	2	14	27	25	45	250			
BAP400R-28-150-C25-2T	2	14	28	25	45	150			
BAP400R-28-200-C25-2T	2	14	28	25	45	200			
BAP400R-28-250-C25-2T	2	14	28	25	45	250			
BAP400R-33-150-C22-3T	3	14	33	32	45	150			
BAP400R-33-200-C32-3T	3	14	33	32	45	200			
BAP400R-33-250-C32-3T	3	14	33	32	45	250			
BAP400R-33-300-C32-3T	3	14	33	32	45	300			
BAP400R-34-150-C32-3T	3	14	34	32	45	150			
BAP400R-34-200-C32-3T	3	14	34	32	45	200			
BAP400R-34-250-C32-3T	3	14	34	32	45	250			
BAP400R-34-300-C32-3T	3	14	34	32	45	300			
BAP400R-50-150-C32-4T	4	14	50	32	45	150			
BAP400R-50-200-C30-4T	4	14	50	32	45	200			
BAP400R-63-150-C32-4T	4	14	63	32	45	150			
BAP400R-63-200-C32-4T	4	14	63	32	45	200			
3# 莫氏 BAP400R-25-2T	2	14	25	MTB3	45	-			
3# 莫氏 BAP400R-28-2T	2	14	28	MTB3	45	-			
4# 莫氏 BAP300R-20-2T	2	14	20	MTB4	45	-			
4# 莫氏 BAP400R-25-2T	2	14	25	MTB4	45	-			
4# 莫氏 BAP400R-28-2T	2	14	28	MTB4	45	-			
4# 莫氏 BAP400R-30-3T	3	14	30	MTB4	45	-			
4# 莫氏 BAP400R-32-3T	3	14	32	MTB4	45	-			
4# 莫氏 BAP400R-40-4T	3	14	40	MTB4	45	-			
4# 莫氏 BAP400R-45-4T	4	14	45	MTB4	45	-			
4# 莫氏 BAP400R-50-4T	4	14	50	MTB4	45	-			
4# 莫氏 BAP400R-63-4T	4	14	63	MTB4	45	-			
4# 莫氏 BAP400R-80-5T	5	14	80	MTB4	45	-			

规格 / 型号 Model	F7030	F620	VP15TF	UP20M	MK25S	MK45S	UT120T	H110	MK32S	PC3545	PC3530	PC6510	PD2000	H01	H101	H102	K025	PP30	PC35	刀片形状 Insertshape	尺寸 Size (mm)					刀片 KOP-01
																					L1	L2	S1	d	Re	
APXT11T3PDR-MA	●		●				●														16.5	9.525	4.76	1.7	0.4	
APXT11T3PDSR-MF	●	●	●	●	●	●	●	●													16.5	9.525	4.76	1.7	0.8	
APXT11T3PDSR-MR	●						●														16.5	9.525	4.76	1.7	1.6	
APXT1604PDSR-MF	●						●														16.5	9.525	4.76	1.7	2.4	
APXT11T3PDSR-MM	●						●														16.5	9.525	4.76	1.7	3.2	
APXT11T312R-MM	●	●	●			●															16.5	9.525	4.76	1.7	0.8	
APXT1604PDSR-MM	●							●													16.5	9.525	4.76	1.7	0.8	
APXT160416R-MM									●	●	●	●	●								16.4	9.525	4.76	—	0.8	
APXT160432R-MM															●	●					16.4	9.525	4.76	—	0.8	

精密平口钳系列
PRECISION VISE SERIES

数控工具系列
CNC TOOL SYSTEMS

夹头系列
COLLET SERIES

铣刀系列
MILLING ARBOR SERIES

刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES

顶尖系列
CENTER SERIES

分度头系列
INDEX FEATURE SERIES

镗头系列
BORING HEADS SERIES

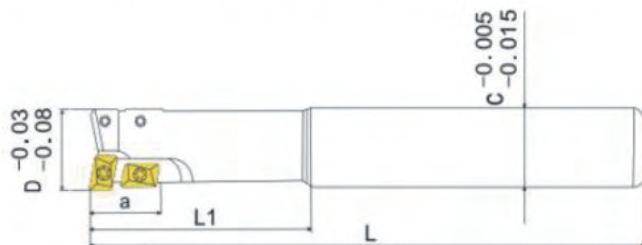
平行快系列
PARALLEL BLOCK SERIES

测功器系列
EDGE FINDER SERIES

其它系列
OTHER ACCESSORY SERIES

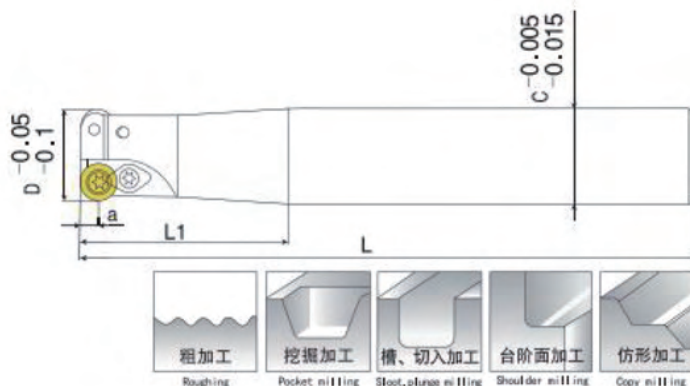
ZY-DG-02 ASJ-4P钻铣刀杆 ASJ-4P BORER MILL

- ★:采用抗震性工具钢材质
- ★:整体预硬后,再行精修,避免二次所产生应变
- ★:TAP报废刀片可再利用,可用于RAP铣刀,配横竖带下刀片,底刃过中心钻铣共用,侧刀加长,用于深腔
- ★: Using tool steel material vibration resistance.
- ★: Over all afterhard, any refinement, avoid secondary produced by the strain.
- ★: T AP d i scarde d b l ad es avai l ab l e, can be used t o RAP, milling cutter wit h size blades,center sharing of drilling and milling, side drives longer, suitable fo



规格/型号Model	刃数No.of flutes	尺寸 Size (mm)					刀片Insert	螺钉Screw	扳手 Wrench
		D	C	L	L1	a			
ASJ-16-C16-12-2T	2	16	16	120	45	16	ADMT080308L APMT090208R	M2.5*6 M2*5	T8T6
ASJ-16-C16-150-2T	2	16	16	150	45	16			
ASJ-16-C16-200-2T	2	16	16	200	45	16			
ASJ-17-c16-120-2T	2	17	16	120	45	16			
ASJ-17-C16-150-2T	2	17	16	150	45	16			
ASJ-17-C16-200-2T	2	17	16	200	45	16			
ASJ-20-c20-120-2T	2	20	20	120	45	20	ADMT1003□□L ACMT1003□□R	M2.5*6	T8
ASJ-20-C20-150-2T	2	20	20	150	45	20			
ASJ-20-C20-200-2T	2	20	20	200	45	20			
ASJ-21-C20-120-2T	2	21	20	120	45	20			
ASJ-21-C20-150-2T	2	21	20	150	45	20			
ASJ-21-C20-200-2T	2	21	20	200	45	20			
ASJ-25-C25-150-2T	2	25	25	150	45	25	ADMT12T3□□L ACMT12T3□□R	M3*7.5	T10
ASJ-25-C36-200-2T	2	25	25	200	45	25			
ASJ-25-C25-250-2T	2	25	25	250	45	25			
ASJ-26-C25-150-2T	2	26	25	150	45	25			
ASJ-26-C25-200-2T	2	26	25	200	45	25			
ASJ-26-C25-250-2T	2	26	25	250	45	25			
ASJ-26-C25-300-2T	2	26	25	300	45	25	ADMT1604□□L ACMT1504□□R	M4*9.5	T15
ASJ-32-C32-150-2T	2	32	32	150	45	32			
ASJ-32-C32-200-2T	2	32	32	200	45	32			
ASJ-32-C32-250-2T	2	32	32	250	45	32			
ASJ-32-C32-300-2T	2	32	32	300	45	32			
ASJ-33-C32-150-2T	2	33	32	150	45	32			
ASJ-33-C32-200-2T	2	33	32	200	45	32			
ASJ-33-C32-250-2T	2	33	32	250	45	32			
ASJ-33-C32-300-2T	2	33	32	300	45	32			
ASJ-35-C32-150-2T	2	35	32	150	45	32			
ASJ-35-C32-200-2T	2	35	32	200	45	32			
ASJ-35-C32-350-2T	2	35	32	250	45	32			
ASJ-35-C32-300-2T	2	35	32	300	45	32			

ZY-DG-03 EMR 4R 通用型圆鼻立铣刀杆 EMR 4R UNIVERSAL ROUND NOSE END MILL



规格/型号 Model	刃数Teeth	a	D	C	L1	L	适配刀片Insert	压板Piece	螺钉Clamp scrwe	扳手Wrench
EMR-4R-10-100-C10-1T	1	4	10	10	35	100	RPMW0802 M0 RPMT08T2 RDMT08T2	A-4R	M3 × 7	T8T10
EMR-4R-10-130-C10-1T	1	4	10	10	35	130				
EMR-4R-10-150-C10-1T	1	4	10	10	35	150				
EMR-4R-11-100-C10-1T	1	4	11	10	35	100				
EMR-4R-11-130-C10-1T	1	4	11	10	35	130				
EMR-4R-11-150-C10-1T	1	4	11	10	35	150				
EMR-4R-12-100-C12-1T	1	4	12	12	35	100				
EMR-4R-12-120-C12-1T	1	4	12	12	35	120				
EMR-4R-12-130-C12-1T	1	4	12	12	35	130				
EMR-4R-12-150-C12-1T	1	4	12	12	35	150				
EMR-4R-13-100-C12-1T	1	4	13	12	35	100				
EMR-4R-13-120-C12-1T	1	4	13	12	35	120				
EMR-4R-13-130-C12-1T	1	4	13	12	35	130				
EMR-4R-13-150-C12-1T	1	4	13	12	35	150				
EMR-4R-16-150-C15-2T	2	4	16	15	40	150				
EMR-4R-16-200-C15-2T	2	4	16	15	40	200				
EMR-4R-16-200-C15-2T	2	4	16	15	40	250				
EMR-4R-16-300-C15-2T	2	4	16	15	40	300				
EMR-4R-16-150-C156-2T	2	4	16	15.6	40	150				
EMR-4R-16-200-C156-2T	2	4	16	15.6	40	200				
EMR-4R-16-250-C156-2T	2	4	16	15.6	40	250				
EMR-4R-16-300-C156-2T	2	4	16	15.6	40	300				
EMR-4R-16-120-C16-2T	2	4	16	16	40	120				
EMR-4R-16-150-C16-2T	2	4	16	16	40	150				
EMR-4R-16-200-C16-2T	2	4	16	16	40	200				
EMR-4R-16-250-C16-2T	2	4	16	16	40	250				
EMR-4R-16-300-C16-2T	2	4	16	16	40	300				
EMR-4R-17-120-C16-2T	2	4	17	16	40	120				
EMR-4R-17-150-C16-2T	2	4	17	16	40	150				
EMR-4R-17-200-C16-2T	2	4	17	16	40	200				
EMR-4R-17-250-C16-2T	2	4	17	16	40	250				
EMR-4R-17-300-C16-2T	2	4	17	16	40	300				
EMR-4R-20-150-C19-2T	2	4	20	19	40	150				
EMR-4R-20-200-C19-2T	2	4	20	19	40	200				
EMR-4R-20-250-C19-2T	2	4	20	19	40	250				
EMR-4R-20-300-C19-2T	2	4	20	19	40	300				
EMR-4R-20-120-C20-2T	2	4	20	20	40	120				
EMR-4R-20-150-C20-2T	2	4	20	20	40	150				
EMR-4R-20-160-C20-2T	2	4	20	20	40	160				
EMR-4R-20-200-C20-2T	2	4	20	20	40	200				
EMR-4R-20-250-C20-2T	2	4	20	20	40	250				
EMR-4R-20-300-C20-2T	2	4	20	20	40	300				
EMR-4R-21-150-C20-2T	2	4	21	20	40	150				
EMR-4R-21-160-C20-2T	2	4	21	20	40	160				
EMR-4R-21-200-C20-2T	2	4	21	20	40	200				
EMR-4R-21-250-C20-2T	2	4	21	20	40	250				
EMR-4R-21-300-C20-2T	2	4	21	20	40	300				
EMR-4R-25-160-C25-2T	2	4	25	25	40	160				

精密平口钳系列
PRECISION VISE SERIES

数控刀具系列
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BORING HEADS SERIES

平行快系列
PARALLEL BLOCK SERIES

巡边器系列
EDGE FINDER SERIES

其它系列
OTHER ACCESSORY SERIES

ZY-DG-04 EMR 5R 圆鼻立铣刀杆 EMR 5R ROUND DOWEL END MILL

- ★: 采用抗震性工具钢材质
- ★: 整体 预硬后.再行精修, 避免二次所产生应变
- ★: Using tool steel material vibration resistance.
- ★: Overall after hard, any refinement, avoid secondaryproduced by the strain.

规格 / 型号 Model	刃数 Teeth	a	D	C	L1	L	适配刀片 Insert	压板 Piece	螺钉 Clamp scrwe	扳手 Wrench
EMR-5R-20-150-C19-2T	2	5	20	19	45	150	RPMW1003 MO	A-6R	M4 × 10	T15
EMR-5R-20-160-C19-2T	2	5	2	19	45	160				
EMR-5R-20-200-C19-2T	2	5	20	19	45	200				
EMR-5R-20-150-C20-2T	2	5	20	20	45	150				
EMR-5R-20-200-C20-2T	2	5	20	20	45	200				
EMR-5R-20-250-C20-2T	2	5	20	20	45	250				
EMR-5R-21-150-C20-2T	2	5	21	20	45	150				
EMR-5R-21-200-C20-2T	2	5	21	20	45	200				
EMR-5R-25-150-C20-2T	2	5	25	20	45	150				
EMR-5R-25-200-C20-2T	2	5	25	20	45	200				
EMR-5R-25-150-C20-2T	2	5	25	24	45	150				
EMR-5R-25-200-C20-2T	2	5	25	24	45	200				
EMR-5R-25-250-C20-2T	2	5	25	24	45	250				
EMR-5R-25-300-C20-2T	2	5	25	24	45	300				
EMR-5R-25-350-C20-2T	2	5	25	24	45	350				
EMR-5R-25-150-C25-2T	2	5	25	25	45	150				
EMR-5R-25-200-C25-2T	2	5	25	25	45	200				
EMR-5R-25-250-C25-2T	2	5	25	25	45	250				
EMR-5R-25-300-C25-2T	2	5	25	25	45	300				
EMR-5R-25-350-C25-2T	2	5	25	25	45	350				
EMR-5R-26-150-C25-2T	2	5	26	25	45	150				
EMR-5R-26-200-C25-2T	2	5	26	25	45	200				
EMR-5R-25-250-C20-2T	2	5	25	20	45	250				
EMR-5R-25-250-C24-2T	2	5	25	24	45	250				
EMR-5R-25-250-C25-2T	2	5	25	25	45	250				
EMR-5R-26-200-C25-2T	2	5	26	25	45	200				
EMR-5R-30-110-C20-2T	2	5	30	20	45	110				
EMR-5R-30-150-C25-2T	2	5	30	25	45	150				
EMR-5R-30-200-C25-2T	2	5	20	25	45	200				
EMR-5R-30-250-C25-2T	2	5	30	25	45	250				
EMR-5R-30-300-C25-2T	2	5	30	25	45	300				
EMR-5R-30-350-C25-2T	2	5	30	25	45	350				
EMR-5R-32-150-C32-3T	3	5	32	32	45	150				
EMR-5R-32-200-C32-3T	3	5	32	32	45	200				
EMR-5R-32-250-C32-3T	3	5	32	32	45	250				
EMR-5R-33-150-C32-3T	3	5	33	32	45	150				
EMR-5R-33-200-C32-3T	3	5	33	32	45	200				
EMR-5R-35-150-C32-3T	3	5	35	32	45	150				
EMR-5R-35-200-C32-3T	3	5	35	32	45	200				
EMR-5R-35-250-C32-3T	3	5	35	32	45	250				
EMR-5R-35-300-C32-3T	3	5	35	32	45	300				
EMR-5R-35-350-C32-3T	3	5	35	32	45	350				
EMR-5R-35-400-C32-3T	3	5	35	32	45	400				
EMR-5R-35-450-C32-3T	3	5	35	32	45	450				
EMR-5R-35-500-C32-3T	3	5	35	32	45	500				
EMR-5R-40-160-C32-3T	3	5	40	32	45	160				
EMR-5R-40-200-C32-3T	3	5	40	32	45	200				
EMR-5R-40-250-C32-3T	3	5	40	32	45	250				
EMR-5R-40-300-C32-3T	3	5	40	32	45	300				
EMR-5R-40-350-C32-3T	3	5	40	32	45	350				
EMR-5R-40-150-C32-4T	4	5	40	32	45	150				
EMR-5R-40-200-C32-4T	4	5	40	32	45	200				
EMR-5R-40-250-C32-4T	4	5	40	32	45	250				
EMR-5R-40-300-C32-4T	4	5	40	32	45	300				
EMR-5R-40-350-C32-4T	4	5	40	32	45	350				

ZY-DG-05 TRS 5R 圆鼻立铣刀杆

TRS 5R ROUND DOWEL END MILL



P. 47



P. 115



P. 117



粗加工



挖槽加工



槽、切入加工



台阶面加工



仿形加工

规格 / 型号 Model	刃数 Teeth	a	D	C	L1	L	适配刀片 Insert	压板 Piece	螺钉 Clamp screws	扳手 Wrench
TRS-5R-20-150-C19-2T	2	5	20	19	45	150	RDMT 10T3	A-5R	M4*9 M3.5*10	T15
TRS-5R-20-200-C19-2T	2	5	20	19	45	200				
TRS-5R-20-150-C20-2T	2	5	20	20	45	150				
TRS-5R-20-200-C20-2T	2	5	20	20	45	200				
TRS-5R-20-250-C20-2T	2	5	20	20	45	250				
TRS-5R-21-150-C20-2T	2	5	21	20	45	150				
TRS-5R-21-200-C20-2T	2	5	21	20	45	200	RDMT 10T3	A-6R	M4*9	T15
TRS-5R-25-250-C20-2T	2	5	25	20	45	150				
TRS-5R-25-200-C20-2T	2	5	25	20	45	200				
TRS-5R-25-250-C24-2T	2	5	25	24	45	150				
TRS-5R-25-200-C24-2T	2	5	25	24	45	200				
TRS-5R-25-250-C24-2T	2	5	25	24	45	250				
TRS-5R-25-300-C24-2T	2	5	25	24	45	300				
TRS-5R-25-350-C24-2T	2	5	25	24	45	350				
TRS-5R-25-150-C25-2T	2	5	25	25	45	150				
TRS-5R-25-200-C25-2T	2	5	25	25	45	200				
TRS-5R-25-250-C25-2T	2	5	25	25	45	250				
TRS-5R-25-300-C25-2T	2	5	25	25	45	300				
TRS-5R-25-350-C25-2T	2	5	25	25	45	350				
TRS-5R-26-150-C25-2T	2	5	26	25	45	150				
TRS-5R-26-200-C25-2T	2	5	26	25	45	200				
TRS-5R-26-250-C25-2T	2	5	26	25	45	250				
TRS-5R-30-110-C20-2T	2	5	30	20	45	110				
TRS-5R-30-150-C25-2T	2	5	30	25	45	150				
TRS-5R-30-200-C25-2T	2	5	30	25	45	200				
TRS-5R-30-250-C25-2T	2	5	30	25	45	250				
TRS-5R-30-300-C25-2T	2	5	30	25	45	300				
TRS-5R-30-350-C25-2T	2	5	30	25	45	350				
TRS-5R-32-150-C32-3T	3	5	32	32	45	150				
TRS-5R-32-200-C32-3T	3	5	32	32	45	200				
TRS-5R-32-250-C32-3T	3	5	32	32	45	250				
TRS-5R-33-150-C32-3T	3	5	33	32	45	150				
TRS-5R-33-200-C32-3T	3	5	33	32	45	200				
TRS-5R-35-150-C32-3T	3	5	35	32	45	150				
TRS-5R-35-200-C32-3T	3	5	35	32	45	200				
TRS-5R-35-250-C32-3T	3	5	35	32	45	250				
TRS-5R-35-300-C32-3T	3	5	35	32	45	300				
TRS-5R-35-350-C32-3T	3	5	35	32	45	350				
TRS-5R-35-400-C32-3T	3	5	35	32	45	400				
TRS-5R-35-450-C32-3T	3	5	35	32	45	450				
TRS-5R-35-500-C32-3T	3	5	35	32	45	500				
TRS-5R-40-160-C32-3T	3	5	40	32	45	160				
TRS-5R-40-200-C32-3T	3	5	40	32	45	200				
TRS-5R-40-250-C32-3T	3	5	40	32	45	250				
TRS-5R-40-300-C32-3T	3	5	40	32	45	300				
TRS-5R-40-350-C32-3T	3	5	40	32	45	350				
TRS-5R-40-150-C32-4T	4	5	40	32	45	150				
TRS-5R-40-200-C32-4T	4	5	40	32	45	200				
TRS-5R-40-250-C32-4T	4	5	40	32	45	250				
TRS-5R-40-300-C32-4T	4	5	40	32	45	300				
TRS-5R-40-350-C32-4T	4	5	40	32	45	350				

精密平口钳系列
PRECISION VISE SERIES

数控刀具系列
CNC TOOL SYSTEMS

夹头系列
COLLET SERIES

铣刀系列
MILLING ARBOR SERIES

刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES

顶尖系列
CENTER SERIES

分度头系列
INDEX FUTURE SERIES

镗头系列
BORING HEADS SERIES

平行快系列
PARALLEL BLOCK SERIES

测功器系列
EDGE FINDER SERIES

其它系列
OTHER ACCESSORY SERIES

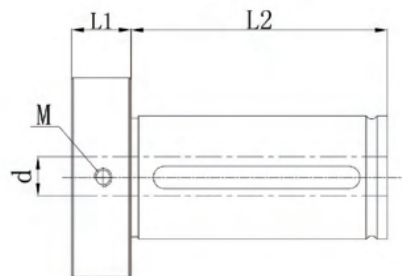
ZY-DT-01 出水车刀转换刀套 THE TOOL CONVERSION SET

★：拆装快捷方便,使用刀座增加稳定性提高进刀速度与切削量

可装入内径车刀杆, 麻花钻, U钻, 延长杆等直柄刀具、广泛数控机床可以使用。

带有通水孔,可快速冷却刀具,表面细腻有光泽,优质钢耐磨耐用

★： It is convenient to disassemble and assemble, increase stability and improve feed speed and cutting quantity with knife holder. Can be loaded into the inside diameter turning tool rod, twist drill, U drill, extension rod equal-shank tool, a wide range of CNC machine tools can be used. With water hole, can quickly cool the tool, the surface is fine and shiny, high quality steel wear and durability



Model No	d	L1	L2	M
D20	6/8/10/12/16	12	50	M6
D25	6/8/10/12/16/18/20	14	50	M6
D32	6/8/10/12/16/18/20/22/25	15	70	M8
D40	6/8/10/12/16/18/20/22/25/32	15	85	M8
D50	6/8/10/12/16/18/20/22/25/32/40	15	85	M8

刀套系列

BORING BAR SLEEVE SERIES



ZY-DT-02 车刀转换套 MTA TOOL SLEEVES

★:内孔精度0.005以内,降低刀具损耗,刀具中心点固定省去传统找垫片的困扰使用刀座增加稳定性,提高进刀速度与切削量使用刀套夹持可避免刀杆断裂

★: Inner hole precision within 0.005, reduce tool loss. The tool center point is fixed without the trouble of finding the traditional gasket, the tool holder is used to increase the stability, improve the feed speed and cutting quantity, and the tool holder is used to prevent the tool bar from breaking.



FIG. I

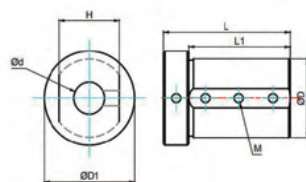
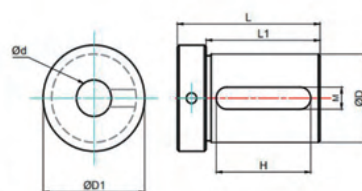


FIG. II



Model No	d	D	L	L1	D1	H	M	FIG
NC16-06	6	16	62	55	19	14.5	M5	FIG- I
NC16-08	8	16	62	55	19	14.5	M6	
NC16-10	10	16	62	55	19	14.5	M6	
NC16-12	12	16	62	55	19	50	9	FIG- II
NC20-06	6	20	67	60	27	17.5	M6	FIG- I
NC20-08	8	20	67	60	27	17.5	M6	
NC20-10	10	20	67	60	27	17.5	M6	
NC20-12	12	20	67	60	27	17.5	M6	
NC20-14	14	20	67	60	27	55	13	FIG- II
NC20-16	16	20	67	60	27	55	13	
NC25-06	6	25	64	58	35	23.5	M6	FIG- I
NC25-08	8	25	64	58	35	23.5	M6	
NC25-10	10	25	64	58	35	23.5	M6	
NC25-12	12	25	64	58	35	23.5	M6	
NC25-14	14	25	64	58	35	51	12	FIG- II
NC25-16	16	25	64	58	35	51	12	
NC25-18	18	25	64	58	35	51	12	
NC25-20	20	25	64	58	35	51	12	
NC25-22	22	25	64	58	35	51	12	
NC32-06	6	32	85	70	38	29.5	M6	FIG- I
NC32-08	8	32	85	70	38	29.5	M6	
NC32-10	10	32	100	85	38	29.5	M8	
NC32-12	12	32	100	85	38	29.5	M8	
NC32-14	14	32	100	85	38	29.5	M8	
NC32-16	16	32	100	85	38	29.5	M8	
NC32-18	18	32	100	85	38	29.5	M8	
NC32-20	20	32	100	85	38	77	14	FIG- II
NC32-22	22	32	100	85	38	77	14	
NC32-25	25	32	100	85	38	77	14	
NC32-MTA1	MTA1	32	100	85	38	30		
NC32-MTA2	MTA2	32	100	85	38	30		
NC32-MTA3	MTA3	32	100	85	38	30		

★: 如需出水型套筒, 订购前请特别注明

★: If water out sleeve is required, please specify before ordering

ZY-DT-02

★：如需出水型套筒，订购前请特别注明

If water out sleeve is required, please specify before ordering

Model No	d	D	L	L1	D1	H	M	SHAPE
NC40-06	6	40	100	85	48	38	M8	FIG-I
NC40-08	8	40	100	85	48	38	M8	
NC40-10	10	40	100	85	48	38	M8	
NC40-12	12	40	100	85	48	38	M8	
NC40-14	14	40	100	85	48	38	M8	
NC40-16	16	40	100	85	48	38	M8	
NC40-18	18	40	100	85	48	38	M8	
NC40-20	20	40	100	85	48	77	14	FIG-II
NC40-22	22	40	100	85	48	77	14	
NC40-25	25	40	100	85	48	77	14	
NC40-32	32	40	100	85	48	77	14	
NC40-MTA1	MTA1	40	87	80	48	39		
NC40-MTA2	MTA2	40	87	80	48	39		
NC40-MTA3	MTA3	40	87	80	48	39		
NC40-MTA4	MTA4	40	116	80	48	39		
NC50-06	6	50	100	85	58	48	M8	FIG-I
NC50-08	8	50	100	85	58	48	M8	
NC50-10	10	50	100	85	58	48	M8	
NC50-12	12	50	100	85	58	48	M8	
NC50-14	14	50	100	85	58	48	M8	
NC50-16	16	50	100	85	58	48	M8	
NC50-18	18	50	100	85	58	48	M8	
NC50-20	20	50	100	85	58	48	M8	
NC50-22	22	50	100	85	58	48	M8	
NC50-25	25	50	100	85	58	48	M8	
NC50-32	32	50	100	85	58	77	14	FIG-II
NC50-40	40	50	100	85	58	77	14	
NC50-MTA1	MTA1	50	100	85	58	48		
NC50-MTA2	MTA2	50	100	85	58	48		
NC50-MTA3	MTA3	50	100	85	58	48		
NC50-MTA4	MTA4	50	100	85	58	48		
NC50-MTA5	MTA5	50	100	85	58	48		

刀套系列

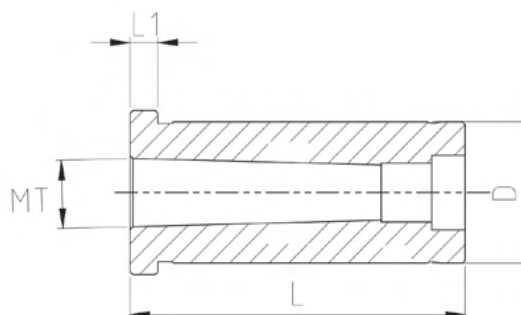
BORING BAR SLEEVE SERIES



ZY-DT-03 MTA车刀转换套 MTA TOOL SLEEVES

★：莫式孔导套，可装锥柄刀具、钻头、麻花钻、中心钻、机用铰刀、定点钻等，进行钻孔。装夹方便，无需螺丝紧固固定，灵活便捷，中心高更准。提高刀杆刚性，延长刀片寿命。

★：Mo hole tool sleeve, can be installed taper shank tool, drill, twist drill, center drill, machine reamer, fixed point drill, etc., drilling. Easy to install and hold, no screw fastening and fixing, flexible and convenient, center height more accurate. Increase the rigidity of the tool bar and prolong the life of the blade.



Model No	D	L	LI
D20-MT1	20	67	10
D20-MT2	20	72	10
C25-MT1	25	75	15
C25-MT2	25	75	15
C25-MT3	25	85	15
D32-MT1	32	75	10
D32-MT2	32	90	10
D32-MT3	32	90	10
D40-MT1	40	75	10
D40-MT2	40	85	10
D40-MT3	40	100	10
D40-MT4	40	120	10
D50-MT2	50	110	15
D50-MT3	50	120	15
D50-MT4	50	150	15

ZY-40002 固定顶尖 DEAD CENTER

- ★:采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:属于机加工中的部件，安装于主轴锥孔或尾座锥孔中，用其头部顶住工件
- ★:用于定中心
- ★: The holder is made of imported high strength material and has high wear resistance after special treatment
- ★: Parts of machine work, installed in the taper hole of spindle or tailstock, hold the work piece with the tip.
- ★: Used for centering



型号 Model 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	

ZY-40004 半缺顶尖 HALF-NOTCHED CENTER

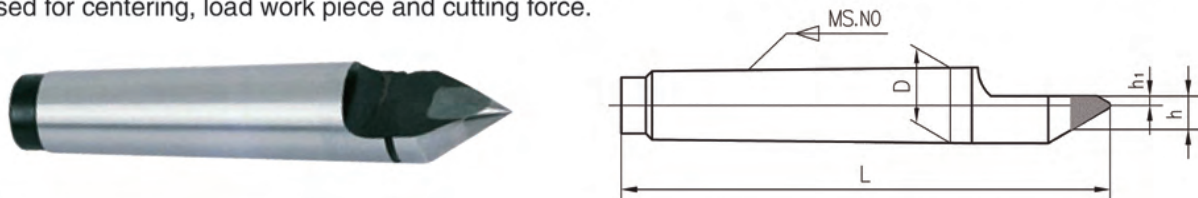
- ★:采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:属于机加工中的部件，安装于主轴锥孔或尾座锥孔中，用其头部顶住工件
- ★:用于定中心
- ★: The holder is made of imported high strength material and has high wear resistance after special treatment
- ★: Parts of machine work, installed in the taper hole of spindle or tailstock, hold the work piece with the tip.
- ★: Used for centering



型号 Model 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	

ZY-40006 硬质合金半缺顶尖 CARBIDE HALF-NOTCHED CENTER

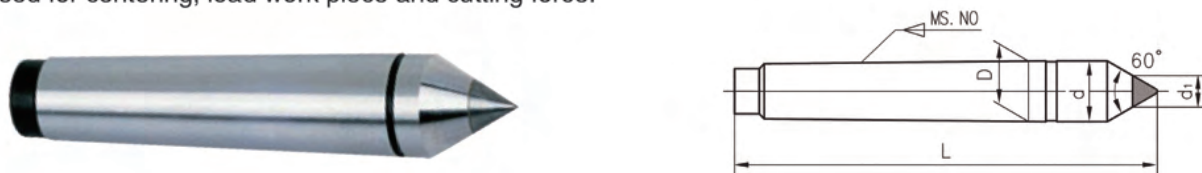
- ★:采用特殊高强度材质加工, 前端加合金头使其保持永久使用寿命
- ★:属于机加工中的部件, 安装于主轴锥孔或尾座锥孔中, 用其头部顶住工件
- ★:用于定中心, 承受工件重力和切削力
- ★:The holder is made of imported high strength material, Alloy head is added to the front end to maintain its permanent service life
- ★ Parts of machine work, installed in the taper hole of spindle or tailstock, hold the work piece with the tip.
- ★ Used for centering, load work piece and cutting force.



型号 Model No.	MS.NO.	h ₁ 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	

ZY-40008 硬质合金顶尖 CARBIDE CENTER

- ★:采用特殊高强度材质加工, 前端加合金头使其保持永久使用寿命
- ★:属于机加工中的部件, 安装于主轴锥孔或尾座锥孔中, 用其头部顶住工件
- ★:用于定中心, 承受工件重力和切削力
- ★:The holder is made of imported high strength material, Alloy head is added to the front end to maintain its permanent service life
- ★ Parts of machine work, installed in the taper hole of spindle or tailstock, hold the work piece with the tip.
- ★ Used for centering, load work piece and cutting force.

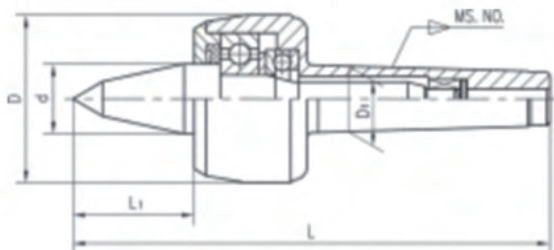


型号 Model No.	MS.NO.	Dmm	L mm	d mm	d ₁ mm	重量 Wt(kg)	精度 Accuracy(mm)
DE1	MS1	12.065	80	12.2	8	0.057	0.010
DE2	MS2	17.780	100	18	8	0.151	
DE3	MS3	23.825	125	24.1	12	0.335	
DE4	MS4	31.267	160	31.6	15	0.746	
DE5	MS5	44.399	200	44.7	18	1.826	
DE6	MS6	63.348	270	63.8	24	5.230	
DE7	MS7	83.061	360	83.555	24	9.190	

ZY-40010 M11 型精密回转顶尖 PRECISION LIVE CENTER

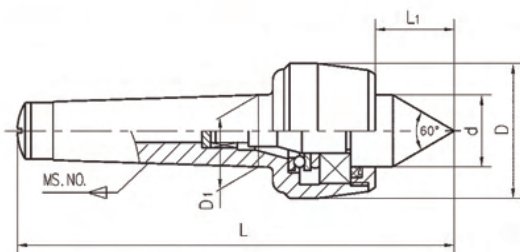
- ★:采用进口高强度材质，经特殊处理后产品具有高耐磨性
- ★:属于机加工中的部件，由顶针，壳体，轴承和芯轴组成
- ★:用于定中心，承受工件重力和切削力
- ★:回转顶尖能进行转动，使机器更加顺畅的运转

- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★ Parts of machine work, composed of thimble, case, bearing and mandrel.
- ★ Used for centering, load work piece and cutting force.
- ★ Live center can turn, which makes machine turning smoothly.



型号 Model No.	MS. NO.	L mm	D mm	L ₁ mm	d mm	D ₁ mm	最大载荷(kg) Max Load	极限转速(rpm) Max Speed	精度(mm) Accuracy
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

ZY-40012 精密轻型回转顶尖 PRECISION LIGHT-DUTY LIVE CENTER

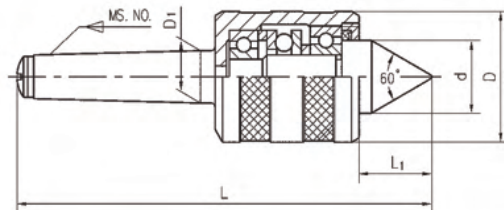


型号 Model No.	MS. NO.	L mm	D mm	L ₁ mm	d mm	D ₁ mm	径向载荷(N) Max Radial Load	极限转速(rpm) Max Speed	精度(mm) Accuracy
DM311	MS1	115	34	20.3	18	12.065	320	5000	0.005
DM312	MS2	129.6	45	28.6	25	17.780	400	5000	0.006
DM313	MS3	160.2	52	32.0	28	23.825	800	4500	0.006
DM314	MS4	191.7	60	36.5	32	31.267	1250	3500	0.006
DM315	MS5	244.5	80	50.8	45	44.399	1500	3000	0.006
DM316	MS6	350.0	130	74.8	75	63.348	1800	2500	0.006
DM317	MS7	423.5	130	74.8	75	83.061	2200	2000	0.006

ZY-40014 中型回转顶尖 MEDIUM-DUTY LIVE CENTER

- ★:属于机加工中的部件,由顶针,壳体,轴承和芯轴组成
- ★:用于定中心,承受工件重力和切削力
- ★:回转顶尖能进行转动,使机器更加顺畅的运转

- ★ Parts of machine work, composed of thimble, case, bearing and mandrel.
- ★ Used for centering, load work piece and cutting force.
- ★ Live center can turn, which makes machine turning smoothly.

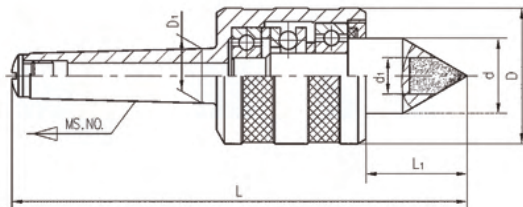


型号 Model No.	MS. NO.	L mm	L ₁ mm	D mm	D ₁ mm	d mm	径向载荷(N) Max Radial Load	极限转速(rpm) Max Speed	重量 Wt(kg)	精度(mm) Accuracy
D411	MS1	115	20	34	12.065	18	900	5000	0.29	0.01
D412	MS2	145	26	45	17.780	25	1500	5000	0.70	0.01
D413	MS3	170	30	52	23.825	28	2000	4200	0.93	0.01
D414	MS4	205.7	34.7	60	31.267	32	3200	3200	1.70	0.01
D415	MS5	254	45	77	44.399	45	6300	2400	3.39	0.015
D416	MS6	362	68.5	125	63.348	75	10000	1600	12.00	0.015
D411L	MS1	125	30	34	12.065	18	900	5000	0.31	0.01
D412L	MS2	155	36	45	17.780	25	1500	5000	0.74	0.01
D413L	MS3	183	43	52	23.825	28	2000	4200	0.99	0.01
D414L	MS4	222	51	60	31.267	32	3200	3200	1.80	0.01
D415L	MS5	272	63	77	44.399	45	6300	2400	3.62	0.015
D416L	MS6	382	88.5	125	63.348	75	10000	1600	12.69	0.015

ZY-40016 硬质合金中型回转顶尖 CARBIDE MEDIUM-DUTY LIVE CENTER

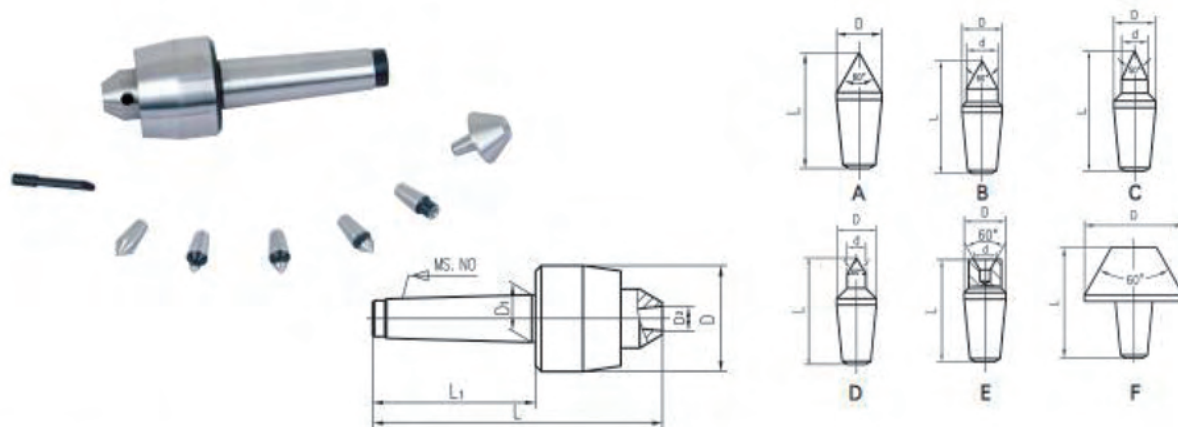
- ★:属于机加工中的部件,由顶针,壳体,轴承等组成
- ★:用于定中心,承受工件重力和切削力
- ★:回转顶尖能进行转动,使机器更加顺畅的运转
- ★:采用硬质合金顶尖使用寿命长,耐高温,定位精度高,不易磨损

- ★ Parts of machine work, composed of thimble, case, bearing and mandrel.
- ★ Used for centering, load work piece and cutting force.
- ★ Live center can turn, which makes machine turning smoothly.
- ★ Carbide tip with long life, high thermostability, precise location and high wear resistant.



型号 Model No.	MS. NO.	Lmm	L ₁ mm	d mm	Dmm	D ₁ mm	d ₁ mm	最大载荷(N) Max Load	极限转速(rpm) Max Speed	精度(mm) Accuracy
D412A	MS2	145	26	25	45	17.780	12	1500	5000	0.010
D413A	MS3	170	30	28	52	23.825	15	2000	4200	0.010
D414A	MS4	205.7	34.7	32	60	31.267	18	3200	3200	0.010
D415A	MS5	254	45	45	77	44.399	24	6300	2000	0.015
D416A	MS6	362	68.5	75	125	63.348	40	10000	1600	0.015

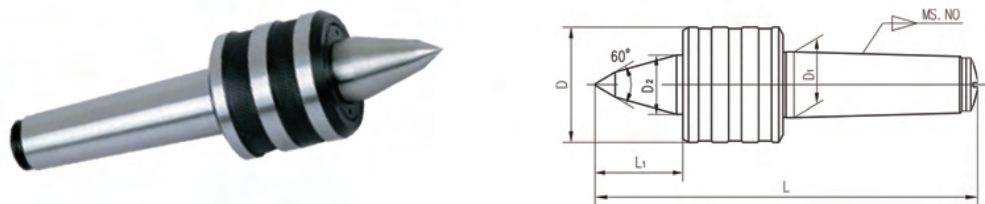
ZY-40018 高速插入式回转顶尖 HIGH-SPEED MEDIUM-DUTY MULTI-PURPOSE LIVE CENTER



型号 Model No.	MS.NO.	D mm	D ₁ mm	L ₁ mm	L mm
HD432	MS2	48	17.780	69	127
HD433	MS3	54	23.825	86	153
HD434	MS4	63	31.367	109	182
HD435	MS5	83	44.399	136	217

MS.NO.	A		B			C			D			E			F	
	L	D	L	D	d	L	D	d	L	D	d	L	D	d	L	D
2	26	10.2	28.5	10.2	8	29	10.2	6.5	27.5	10.2	5	25	10.2	5.3	30	28
3	32	12.75	35	12.75	10	36	12.75	8	34	12.75	6	31	12.75	6.7	37	34
4																
5	39	15.7	44	15.7	12	45	15.7	10	42	15.7	8	43	15.7	8.5	48	40

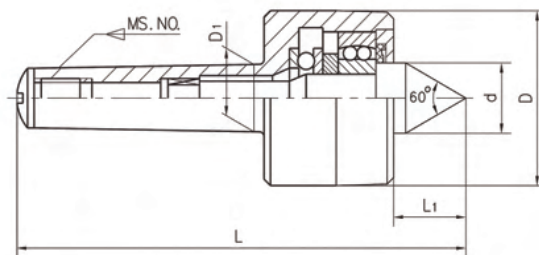
ZY-40020 中型回转顶尖(加长型) MEDIUM-DUTY LIVE CENTER(EXTENDED)



型号 Model No.	MS.NO.	L ₁ mm	D mm	D ₁ mm	D ₂ mm	L mm	重量 Wt(kg)
D412B	MS2	28.5	40	17.780	18	141	0.84
D413B	MS3	36.5	45	23.825	22	168	0.91
D414B	MS4	36.5	45	31.267	22	190	1.62
D415B	MS5	62	78	44.399	40	267.5	3.43
D416B	MS6	75	102	63.348	50	346.5	11

ZY-40022 精密重型回转顶尖 PRECISION HEAVY LIVE CENTER

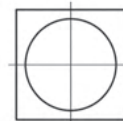
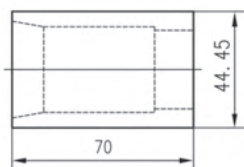
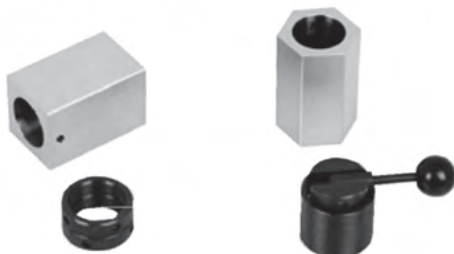
- ★:采用进口高强度材质, 经特殊处理后产品具有高耐磨性
- ★:属于机加工中的部件, 由顶针, 壳体, 轴承等组成
- ★:用于定中心, 承受工件重力和切削力
- ★:回转顶尖能进行转动, 使机器更加顺畅的运转
- ★:主要用于较大型机床上加工零件, 能吸收工件的热变形, 适于高强力切削
- ★:The holder is made of imported high strength material and has high wear resistance after special treatment
- ★ Parts of machine work, composed of thimble, case, bearing and mandrel.
- ★ Used for centering, load work piece and cutting force.
- ★ Live center can turn, which makes machine turning smoothly.
- ★ Suit high power cutting, reducing deformation ,used on big machine.



型号 Model No.	MS.NO.	L mm	D mm	L ₁ mm	d mm	D ₁ mm	径向载荷(N) Max Radial Load	极限转速(rpm) Max Speed	重量 Wt(kg)	精度(mm) Accuracy
DM511	MS1	109.6	38	18.5	16	12.065	1400	3600	0.29	0.008
DM512	MS2	128.5	48	24	22	17.780	3500	3400	0.39	0.01
DM513	MS3	156	58	28.5	25	23.825	5500	3200	1.09	0.01
DM514	MS4	192.5	68	31.5	28	31.267	8000	3000	1.69	0.01
DM515	MS5	245	90	45	41	44.399	10000	2500	4.00	0.012
DM516	MS6	342.5	130	64	63	63.348	15000	1500	11.61	0.015

ZY-50002 5C 四六方套 5C COLLET BLOCK SET

- ★:采用进口高强度材质加工,经特殊处理后产品性能稳定,耐磨耐用
- ★:该装置与5C夹头配合使用,精度高,操作方便
- ★:Adopt high strength special material,through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:5C collet is fit for this device, high precision,easy operation,tc



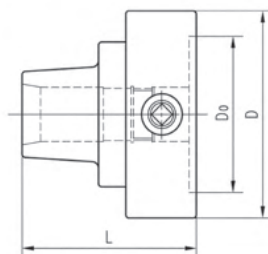
主要技术参数 Main Technical Parameter	外形尺寸 Outer size(in)
夹头四方套 Square for 5C collets	1-3/4 x 1-3/4 x 2-3/4
夹头六方套 Hex for 5C collets	1-3/4 x 1-3/4 x 1-3/4 x 2-3/4
快速夹紧用手柄 Quick acting lever collet closer	1-11/16 x 4
重量 Wt(kg)	1.41kg

采用木箱包装每套包括1件四方套、1件六方套、1件快速夹紧手柄和1件锁紧套

Complete set in wooden case consists of one square block,one hex block,one handle and one collet close

ZY-50004 5C 夹具 5C FIXTURE

- ★:采用高强度特殊材质加工,经特殊处理后产品性能稳定,耐磨耐用
- ★:该装置与5C夹头配合,可夹持不同直径的刀具或工件,可安装于车床,磨床及其它专用设备上,具有精度高,操作方便,使用安全,夹紧牢固等优点。
- ★:Adopt high strength special material,through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:5C collet is fit for this device,which can clamp tool or workpiece with different diameter and figure.It can be fixed on lathe, grinder and other special equipment,with such features as high precision,easy operation,safe application,strong clamping,etc

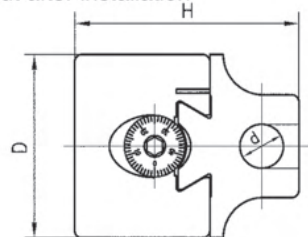


型号 Model No.	3911-125-5C-00		
夹持范围Clamping rang	Round 圆孔	1 ~ 28mm	3/64" ~ 1-1/8"
	Square 四方孔	3 ~ 19mm	1/8" ~ 3/4"
	Hex 六方孔	3 ~ 22mm	1/8" ~ 7/8"
D (mm)	126		
D0 (mm)	95		
L (mm)	107.2		
重量 Wt(kg)	4.5		

ZY-60002 F1 型镗刀 F1 BORING HEADS

- ★:采用高强度特殊材质加工,经特殊处理后产品性能稳定,耐磨耐用
- ★:与镗刀杆连接在一起后可配夹镗刀,用于里孔加工,扩孔,仿形等
- ★:刀具安装时注意清洁,安装后检查跳动

- ★:Adopt high strength special material,through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:After connecting with the boring tool bar, it can be equipped with a boring tool for inner hole machining, reaming, copying, etc
- ★:Pay attention to cleaning when the tool is installed and check the run-out after installation



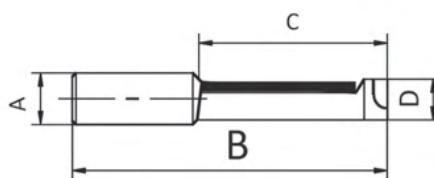
型号 Model No.	Dmm	Hmm	最大位移 Max offset	刀杆直径d Boring bar dia	最小刻度值 Min graduation	镗削直径 Dia of Boring
F1-1/2	50	61.6	5/8"	1/2"	0.001"	3/8" - 5"
F1-3/4	75	80.2	1"	3/4"	0.0005"	1/2" - 9"
F1-1	100	93.2	1-5/8"	1"	0.01mm	5/8" - 12.5"
F1-12	50	61.6	16mm	12mm		10-125mm
F1-18	75	80.2	25mm	18mm		12-225mm

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

ZY-60004 合金镗刀杆 CARBIDE TIPPED BORING BARS



A=1/2" 柄Shank



A=12mm 柄Shank

订单号 Order No.		B	C	D
铸铁 Case	钢件 Steel	mm	mm	mm
375-1812	375-1816	103.9	45.34	10.5
375-1822	375-1826	116.77	58.39	14.06
375-1832	375-1836	129.1	71.39	17.27
375-1842	375-1846	142.03	85.15	20.73
375-1852	375-1856	154	96.12	24.72
375-1862	375-1866	168	111.63	27.88
375-1804	375-1808	以上6件套木托 6 Piece set of above \ wooden stand		

订单号 Order No.		B	C	D
铸铁 Case Iron	钢件 Steel	mm	mm	mm
375-3732	375-3736	103.9	45.34	10.5
375-3742	375-3746	116.77	58.39	14.06
375-3752	375-3756	129.1	71.39	17.27
375-3762	375-3766	142.03	85.15	20.73
375-3772	375-3776	154	96.12	24.72
375-3782	375-3786	168	111.63	27.88
375-5002	375-5006	以上6件套木托 6 Piece set of above \ wooden stand		

A=3/4"柄Shank

型号 Model No.		Bmm	Cmm	Dmm
铸铁Case Iron	钢件Steel			
375-1612	375-1616	3-1/8	1-1/8	7/16
375-1622	375-1626	3-11/16	1-11/16	7/16
375-1632	375-1636	4-1/4	2-1/4	7/16
375-1642	375-1646	3-1/2	1-1/2	9/16
375-1652	375-1656	4-1/4	2-1/4	9/16
375-1662	375-1666	5	3	9/16
375-1672	375-1676	3-7/8	1-7/8	11/16
375-1682	375-1686	4-13/16	2-13/16	11/16
375-1692	375-1696	5-3/4	3-3/4	11/16
375-1702	375-1706	4-1/4	2-1/4	13/16
375-1712	375-1716	5-3/8	3-3/8	13/16
375-1722	375-1726	6-1/2	4-1/2	13/16
375-1602	375-1606	以上12件套木托 12 Piece set of above \ wooden stand		
375-1732	375-1736	以上12件套塑托 12 Piece set of above \ plastic stand		

A=18mm 柄 Shank

型号 Model No.		Bmm	Cmm	Dmm
铸铁Case Iron	钢件Steel			
375-3524	375-3528	3-1/8	1-1/8	7/16
375-3534	375-3538	3-11/16	1-11/16	7/16
375-3544	375-3548	4-1/4	2-1/4	7/16
375-3554	375-3558	3-1/2	1-1/2	9/16
375-3564	375-3568	4-1/4	2-1/4	9/16
375-3574	375-3578	5	3	9/16
375-3584	375-3588	3-7/8	1-7/8	11/16
375-3594	375-3598	4-13/16	2-13/16	11/16
375-3614	375-3618	5-3/4	3-3/4	11/16
375-3624	375-3628	4-1/4	2-1/4	13/16
375-3634	375-3638	5-3/8	3-3/8	13/16
375-3644	375-3648	6-1/2	4-1/2	13/16
375-3504	375-3508	以上12件套木托 12 Piece set of above \ wooden stand		
375-3514	375-3518	以上12件套塑托 12 Piece set of above \ plastic stand		

A=1" 柄Shank

型号 Model No.		Bmm	Cmm	Dmm
铸铁Case Iron	钢件Steel			
375-1812	375-1816	5	3	9/16
375-1822	375-1826	5-3/4	3-3/4	11/16
375-1832	375-1836	6-1/2	4-1/2	7/8
375-1842	375-1846	6-1/2	4-1/2	1-1/16
375-1852	375-1856	7-3/4	5-3/4	1-1/4
375-1862	375-1866	8-1/4	6-1/4	1-1/12
375-1872	375-1876	9-1/2	7-1/2	1-5/8
375-1802	375-1806	以上7件套木托 7 Piece set of above \ wooden stand		
375-1804	375-1808	以上7件套塑托 7 Piece set of above \ plastic stand		

A=25mm 柄Shank

型号 Model No.		Bmm	Cmm	Dmm
铸铁Case Iron	钢件Steel			
375-3732	375-3736	127	76.2	14.8
375-3742	375-3746	146	95.2	18
375-3752	375-3756	165	114.3	22.7
375-3762	375-3766	165	114.3	27.5
375-3772	375-3776	196.9	146.1	31.75
375-3782	375-3786	209.6	158.8	38.6
375-3792	375-3796	241.3	190.5	41.8
375-4002	375-4006	以上7件套木托 7 Piece set of above \ wooden stand		
375-5002	375-5006	以上7件套塑托 7 Piece set of above \ plastic stand		

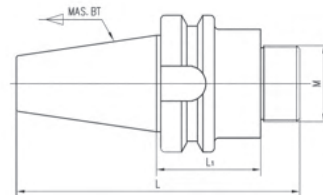
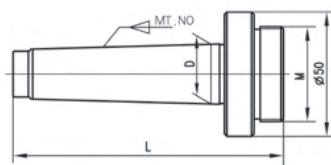
BORING HEADS SERIES

镗头系列



ZY-60006 F1 型镗刀柄 F1 BORING SHANK

- ★:采用高强度特殊材质加工，淬火、回火后经特殊处理，产品性能稳定，耐磨耐用
- ★:柄部与机床连接，头部与镗头连接在一起后可配夹镗刀，可用于里孔加工，扩孔，仿形等。
- ★:Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable
- ★:The holder is connected with the machine, the head is connected with the boring head, the boring tool can be clamping, can be used for inner hole machining, reaming, copying, etc



型号 Model No.	柄部 Shank	L (mm)	螺纹 M	型号 Model No.	柄部 Shank	L (mm)	螺纹 M
F1-MT2-M	MT2	93	7/8 "-20 1-1/2 "-18	F1-32-M	32	117	7/8 "-20 1-1/2 "-18
F1-MT3-M	MT3	110		F1-40-M	40	117	
F1-MT4-M	MT4	133		F1-5/8-M	5/8 "	97	
F1-MT5-M	MT5	160		F1-3/4-M	3/4 "	112	
F1-MT6-M	MT6	214		F1-7/8-M	7/8 "	127	
F1-R8-M	R8	132.5		F1-1-M	1 "	137	
F1-NT30-M	NT30	102		F1-1-1/4-M	1-1/4 "	167	
F1-NT40-M	NT40	135		F1-1-1/2-M	1-1/2 "	197	
F1-NT50-M	NT50	168		F1-1-3/4-M	1-3/4 "	227	
F1-16-M	16	117		BT40XM-45	BT40	122.4	
F1-20-M	20	117		DIN69871.40 XM-40	DIN69871.40	120.4	
F1-25-M	25	117		CAT40XM-50	CAT40	130	

ZY-60010 NBH2084微调精密镗头 MICRO BORING HEAD

- ★：单刃进给、微量调整、能实现精密镗孔
- ★：选择合适的镗刀，以便镗孔时让镗刀尽量靠近中心，这样可高速旋转
- ★：镗孔时如出现振动，可能主轴运转不平衡，应降低主轴转速
- ★：可通过减少进给量，提高主轴转速，提高表面粗糙度
- ★：Feeding with single blade, fine adjustment, applicable for precision boring work.
- ★：For high speed boring, proper boring bars is important, the blade should be near the center.
- ★：Vibrations may occur in case of unbalanced spindle spinning, lower down to reduce it.
- ★：To get better surface roughness, slow down the spinning speed and feeding.



订单号 Order No.	镗孔范围 Boring range	夹持孔径 Boring bar hole size	每格进给量 Fine feed per graduation	滑块最大行程 Max.stroke of slide block	柄部 Shank	重量 Wt. kg
R8-NBH2084	8 ~ 280	20	f 0.01	25	R8	10
30-NBH2084					DIN2080.30	8.0
40-NBH2084					DIN2080.40	9.5
50-NBH2084					DIN2080.50	10.8
BT40-NBH2084					BT40	9.5
BT50-NBH2084					BT50	12
SK40-NBH2084					DIN69871.40	9.5
SK50-NBH2084					DIN69871.50	12

以上规格为整套组合，也可单独订购镗头或刀柄，请在订购时注明具体规格。

A single order for heads or shank is also available, please specify the details when ordering.

镗刀杆 Boring Bar.

刀杆型号 Type	镗孔范围 Boring range	深度 Depth	刀片规格 Insert	压刀螺钉 Screw	扳手 Wrench	切入量 ap	进给量 Fmm/rev	切削速度 m/min
SBJ2008-32	8-10	32	TBGT060102	M2X5	T6	0.05-0.20 0.10-0.25	0.05-0.10 0.10-0.25	碳钢100-200 不锈钢70-140 铸铁 70-140 铝150-300
SBJ2010-40	10-13	40	TBGT060104					
SBJ2012-53	12-17	53	TPGH090202	M2.5X6	T8			
SBJ2016-68	16-21	68	TPGH090204					
SBJ2020-83	20-130	83	TPGH110302 TPGH110304	M3X8	T8			
SBJ2025-96	25-135	96						
SBJ2030-115	30-140	115						
SBJ20L20-100	120-280	150						

可单独订购刀杆，订购时注明具体规格。

A single order for boring bar is also available. Please specify the details when ordering.

平行块系列

PARALLEL BLOCK SERIES



ZY-80002 PB161 型平行块 PRECISION PARALLEL BLOCK

★:产品采用进口高强度材质, 淬火、回火后经特殊处理, 产品性能稳定, 具有高耐磨性

★:硬度: HRC56 ~ 62

★:精度: 0.01mm

★:平行度: 0.005mm

★: Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable

★: Hardness: HRC56 ~ 62

★: Accuracy: 0.01mm

★: Parallelism: 0.005mm



型号 Model No.	规格 L x W x H	件数 PCS
PB161	100 x 5 x 16, 100 x 6 x 18, 100 x 8 x 24, 100 x 10 x 30, 150 x 12 x 36, 150 x 14 x 48, 150 x 18 x 60, 150 x 22 x 62, 200 x 31 x 15 x 2.5(30°)	9 x 2

ZY-80004 PB150 型平行块 PRECISION PARALLEL BLOCK

型号 Model No.	规格 L x W x H	件数 PCS
PB150-1	150 x 10 x 14(16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50)	14 x 2
PB150-2	150 x 8 x 14(16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50)	14 x 2
PB150-3	80 x 4 x 14(16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50)	14 x 2
PB150-4	200 x 10 x 14(16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50)	14 x 2



ZY-80006 PB151 型平行块 PRECISION PARALLEL BLOCK



型号 Model No.	规格 L x W x H	件数 PCS
PB151-1	100 x 4 x 10(14, 18, 22, 26, 30, 34, 38, 42,)	9 x 2
PB151-2	160 x 4 x 10(14, 18, 22, 26, 30, 34, 38, 42,)	9 x 2
PB151-3	150 x 8.5 x 14(16, 20, 24, 30, 32, 36, 40, 44)	9 x 2
PB151-4	150 x 10 x 14(16, 20, 24, 30, 32, 36, 40, 44)	9 x 2

精密平行块系列
PRECISION VISE SERIES

数控工具系列
CNC TOOL SYSTEMS

夹头系列
COLLET SERIES

铣刀系列
MILLING ARBOR SERIES

刀具、刀套系列
KNIFE PLATE SERIES
BORING BAR SLEEVE SERIES

顶尖系列
CENTER SERIES

分度头系列
INDEX FUTURE SERIES

镗头系列
BORING HEADS SERIES

平行块系列
PARALLEL BLOCK SERIES

测边器系列
EDGE FINDER SERIES

其它系列
OTHER ACCESSORY SERIES

ZY-80008 PB153 型平行块 PRECISION PARALLEL BLOCK

★:产品采用进口高强度材质，淬火、回火后经特殊处理，产品性能稳定，具有高耐磨性

★:硬度: HRC56 ~ 62

★:精度: 0.01mm

★:平行度: 0.005mm

★: Adopt high strength special material, after quenching, through cryogenic treatment, the product performance is stable, wear-resisting and durable

★: Hardness: HRC56 ~ 62

★: Accuracy: 0.01mm

★: Parallelism: 0.005mm



型号 Model No.	规格 L x W x H	件数 Pcs
PB153-1	125 x 8 x 11(16,21,26,31,36)	24 x 2
	125 x 10 x 13(18,23,28,33,38)	
	125 x 12 x 15(20,25,30,35,40)	
	125 x 14 x 17(22,27,32,37,42)	
PB153-2	150 x 8 x 11(16,21,26,31,36)	24 x 2
	150 x 10 x 13(18,23,28,33,38)	
	150 x 12 x 15(20,25,30,35,40)	
	150 x 14 x 17(22,27,32,37,42)	

ZY-80010 PB154 型平行块 PRECISION PARALLEL BLOCK

型号 Model No.	规格 L x W x H	件数 Pcs
PB154-1	150 x 8 x 16(18,20,22,24,26,28,30,32,34,36,38,40,42,44,46,48,50)	18 x 2
PB154-2	150 x 8 x 17(19,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49,51)	18 x 2



ZY-80012 PB155 型平行块 PRECISION PARALLEL BLOCK



型号 Model No.	规格 L x W x H	件数 Pcs
PB155-1	120 x 10 x 14(16,18,20,22,24,26,28,30,32,35,40)	12 x 2
PB155-2	150 x 10 x 14(16,18,20,22,24,26,28,30,32,35,40)	12 x 2

巡边器系列

EDGE FINDER SERIES

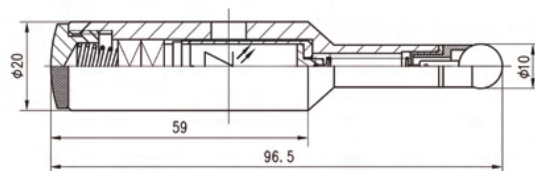


ZY-90002 光电式巡边器

ELECTRONIC EDGE FINDER

- ★: 选用优质合金钢制造，淬火后精密磨削
- ★: 同轴度0.01mm
- ★: 接触时发光显示
- ★: 找正准确，迅速

- ★: Manufactured from high quality alloy steel, Hardened and precision ground
- ★: Concentricity 0.01mm
- ★: Touch point LED indication
- ★: Quick and accurate



ZY-90004 偏心式巡边器

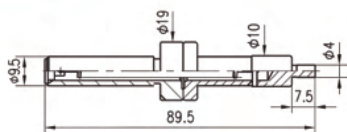
MECHANICAL EDGE FINDER

- ★: 选用优质合金钢制造，淬火后精密磨削
- ★: 用于圆弧面, 平面的找正定位
- ★: 使用方便
- ★: 找正准确，迅速
- ★: 同轴度0.005mm

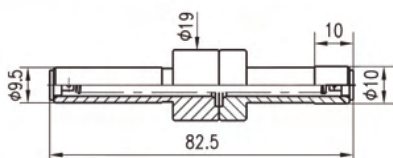
- ★: Manufactured from high quality alloy steel, Hardened and precision ground
- ★: Mechanical edge finder for quick and easy location of round or flat work
- ★: Manufactured from high quality steel
- ★: Easy to use
- ★: Quick and accurate
- ★: Concentricity 0.005mm



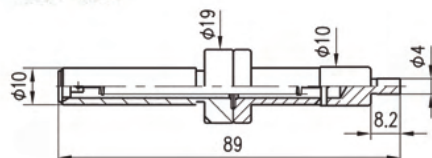
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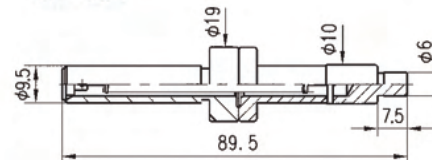
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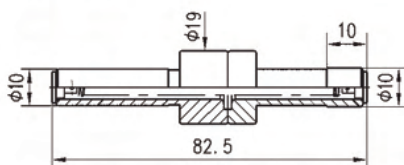
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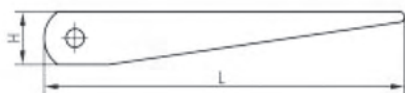
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CBQ-00E



ZY-100002 DIN317 拆卸楔铁 MORSE SHANK PULLER



型号 Model No.	MT.NO	L (mm)	H (mm)
DIN317/0	MT0	90	12
DIN317/1-2	MT1 MT2	140	20
DIN317/3	MT3	190	25
DIN317/4	MT4	225	30
DIN317/5-6	MT5 MT6	265	35

ZY-100004 DIN318 半自动楔铁 HALF AUTOMATIC MORSE SHANK PULLER

该装置可方便地拆卸扁尾莫氏锥柄，操作快捷，省时省力

The morse shank can easy to be pulled off by the half-automatic morse shank puller. Operation quick-ly,saving time and pressure



型号 Model No.	MT.NO			总长 Overall Length
DIN318/1-3	MT1	MT2	MT3	317
DIN318/4-6	MT4	MT5	MT6	380

ZY-100006 刀柄锁刀座 VERTICAL HORIZONTAL TOOL HOLDER DEVICE

- ★:属于CNC,机床刀柄锁定的一种机床附件
- ★:操作简单，无需调整角度即可锁定刀柄
- ★:可以在立式，横式两种状态下使用
- ★:刀架使用特殊材质，可保护刀柄不受划伤

- ★:A machine tool accessories that to lock CNC machine tool holder
- ★:Simple operation, can lock the handle without adjust the Angle
- ★:Can be used in vertical, horizontal two states
- ★:Special material is used to protect the holder from scratch



型号 Model No.	刀柄锥度 Taper of Tool Holder	外形尺寸 Outsize(mm)	重量 Weight(kg)
LD-BT30	BT30	205 × 98.5 × 128	3.70
LD-BT40	BT40	205 × 98.5 × 128	3.80
LD-BT50	BT50	275 × 150 × 198	11.40
LD-DT30	DIN69871.30	205 × 98.5 × 128	3.70
LD-DT40	DIN69871.40	205 × 98.5 × 128	3.80
LD-DT50	DIN69871.50	275 × 150 × 198	11.40
LD-CAT30	CAT30	205 × 98.5 × 128	3.70
LD-CAT40	CAT40	205 × 98.5 × 128	3.80
LD-CAT50	CAT50	275 × 150 × 198	11.40

ZY-100008 组合压板套装 CLAMPING KIT SET

58件机床夹具带金属支架 每套包括:

- * 6只T型槽螺母 * 6只法兰螺母
 - * 4只连接螺母 * 6块阶梯压板
 - * 12块阶梯垫铁
 - * 24根双端螺栓, 长度为3"、4"、5"、6"、7"、8" 各4根
- 58-PC Clamping kit with metal holder Each set contains
- * 6-T-Slot nuts
 - * 6-Flange nuts
 - * 4-Coupling nuts
 - * 6-Step clamps
 - * 12-Step blocks
 - * 24 Studs 4 ea. 3"、4"、5"、6"、7"、8" length



订单号Order No.	T型螺母尺寸 (美制) Stud Size (US)	螺栓尺寸 (美制) Stud Size (US)	订单号Order No.	T型螺母尺寸 (公制) T-slot Size (MM)	螺栓尺寸 (公制) Stud Size (MM)
YT-0101	3/8	5/16-18	YT-0201	9.7	M8x1.25
YT-0102	7/16	3/8-16	YT-0202	11.7	M10x1.5
YT-0103	1/2	3/8-16	YT-0203	13.7	M10x1.5
YT-0104	9/16	3/8-16	YT-0204	13.7	M12x1.75
YT-0105	9/16	1/2-13	YT-0205	15.7	M12x1.75
YT-0106	5/8	1/2-13	YT-0206	15.7	M14x2
YT-0107	11/16	1/2-13	YT-0207	17.7	M14x2
YT-0108	11/16	5/8-11	YT-0208	17.7	M16x2
YT-0109	3/4	5/8-11	YT-0209	19.7	M16x2
YT-0110	13/16	5/8-11			

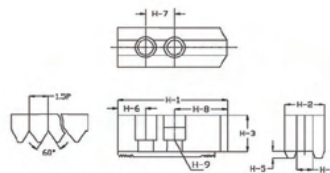
ZY-100010 油压软爪 HYDRAULIC SOFT CLAWS

★:属于卡盘配件

★:材质比较软, 用于精加工, 可自修后使用

★: Belongs to the chuck accessories

★: The material is relatively soft, for finishing, can be used after self-repair



规格/尺寸 MODELS/DIMENSION	长 h-1	宽 h-2	高 h-3	键槽宽 h-4	键槽深 h-5	h-6	中心孔距 h-7	h-8	螺丝 h-9	锯齿状节距 h-10
CS05	62	25	30	10	4	10	14	38	M8	1.5 × 60°
CS06	73	31	36	12	5	15	20	38	M10	1.5 × 60°
CS08	95	35	38	14	5	24	25	46	M12	1.5 × 60°
CS10	110	40	42	16	5	30	30	50	M12	1.5 × 60°
CS12(中空)	129	50	50	21	6	39	30	60	M16	1.5 × 60°
CS12S(中实)	129	50	50	18	6	39	30	60	M14	1.5 × 60°
CS15(中空)	165	62	62	22	8	37	43	85	M20	1.5 × 60°
CS12S(中实)	165	62	62	25.5	5.3	37	43	85	M20	1.5 × 60°

ZY-100012 K11系列三爪自定心卡盘 3-JAW SELF-CENTRING CHUCKS

短圆柱连接形式。

K11型卡盘配带整体爪(正卡爪和反卡爪各一副)。

K11A、K11C和K11D、K11E型卡盘卡爪为分离爪形式。

可调整为正卡爪或反卡爪使用。

K11A和K11D、K11E型卡盘卡爪符合ISO3442标准。

K11C型卡盘卡爪为传统结构的分离爪。

可提供各种形式的软卡爪。

按用户需求, 可提供前穿螺钉安装方式卡盘。

Short cylindrical center mounting.

Model k11 chucks are provided with one-piece jaws(which include a set of internal jaws and a set of external ones).

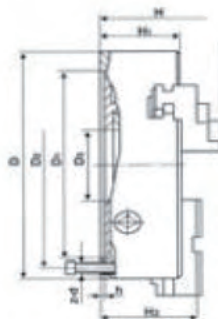
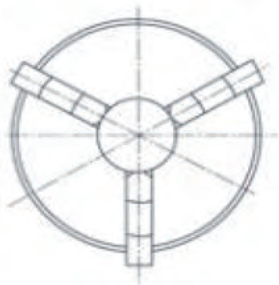
The jaws for k11A, k11C and k11D, K11E chucks are composed of two-piece jaws.They can perform as either internal or external jaws through adjustment.

The jaws for K11A and K11D, K11E chucks conform to ISO3442 standard.

Model K11C chucks are supplied with traditional two-piece jaws.

We can provide all kinds of soft jaws.

As requested,we can provide chucks mounted from front



订单号 Order No.	D1	D2	D3	H	H1	H2	h	z-d	最大输入扭矩 Nm Max.input torque	极限转速 r/min Max.speed	净重Kg Net WT.
80	55	66	16	66	50	-	3.5	3-M6	40	4000	1.9
100	72	84	22	74.5	55	-	3.5	3-M8	60	3500	3.2
125	95	108	30	84	58	-	4	3-M8	100	3000	5
130	100	115	30	86	60	-	3.5	3-M8	100	3000	5.6
160	130	142	40	95	65	-	5	3-M8	160	2500	8.8
160A	130	142	40	109	65	71	5	3-M8	160	2500	8.3
200	165	180	65	109	75	-	5	3-M10	250	2000	15.5
200C	165	180	65	122	75	78	5	3-M10	250	2000	14.1
200A	165	180	65	122	75	80	5	3-M10	250	2000	14.1
240	195	215	70	120	80	-	8	3-M12	320	1600	24
240C	195	215	70	130	80	84	8	3-M12	320	1600	20
250	206	226	80	120	80	-	5	3-M12	320	1600	25.7
250C	206	226	80	130	80	84	5	3-M12	320	1600	23
250A	206	226	80	136	80	86	5	3-M12	320	1600	23
315	260	226	100	147	90	-	6	3-M12	400	1200	47
315A	260	285	100	153	90	95	6	3-M16	400	1200	41
320	270	285	100	152.5	95	-	11	3-M16	400	1200	47.5
320C	270	290	100	153.5	95	101.5	11	3-M16	400	1200	42
325	272	290	100	153.5	96	-	12	3-M16	400	1200	49
325C	272	296	100	154.5	96	102.5	12	3-M16	400	1200	44
325A	272	296	100	169.5	96	105.5	12	3-M16	400	1200	46
380	325	296	135	155.7	98	-	6	3-M16	500	1000	65
380C	325	350	135	156.5	98	104.5	6	3-M16	500	1000	60
380A	325	350	135	171.5	98	107.5	6	3-M16	500	1000	62
400D	340	350	130	172	100	108	6	3-M16	500	1000	71
500D	440	368	210	202	115	126	6	3-M16	630	800	117.6
500A	440	465	210	202	115	126	6	3-M16	630	800	119