



ZSCNC

CNC TOOLING SUPPLY

张氏（济宁市）国际供应链有限公司

ZHANGSHI (JINING) INTERNATIONAL SUPPLY CHAIN CO., LTD.

ZSCNC

产品目录

PRODUCT CATALOG

CNC MACHINE TOOL ACCESSORIES

张氏（济宁市）国际供应链有限公司

Brand / 品牌: ZSCNC

Scope / 范围: CNC tool holders, collets, chucks, vises and machine accessories

Catalog Version: 2026



ZSCNC

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CATALOG
2026



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张氏（济宁市）国际供应链有限公司

ZSCNC branded product catalog

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公司简介

ZSCNC 是张氏（济宁市）国际供应链有限公司旗下品牌，面向机床工具及工业配套产品提供产品选型、供应链整合与出口服务。

本目录覆盖数控刀柄、弹性夹头、拉钉、角度头、车床刀座、卡盘、平口钳、分度头、回转工作台、磁力吸盘、磨削设备及相关机床附件。

我们重视稳定供货、清晰参数、快速响应和长期合作，按客户图纸、样品或应用场景协助匹配合适型号，为采购、装配和售后沟通提供可靠支持。

产品选型

供应链整合

出口服务

Company Profile

ZSCNC is the brand of Zhangshi (Jining) International Supply Chain Co., Ltd. We provide product selection, supply chain integration and export support for machine tool accessories and industrial products.

The catalog includes CNC tool holders, collets, pull studs, angle heads, lathe tool holders, chucks, vises, dividing heads, rotary tables, magnetic chucks, grinding machines and related machine accessories.

We focus on stable sourcing, clear specifications, responsive communication and long-term cooperation. Selection support is available for drawings, samples or application requirements.

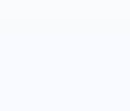
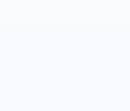
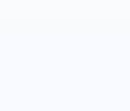
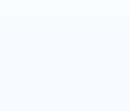
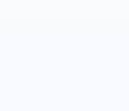
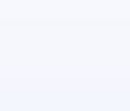
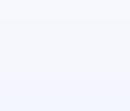
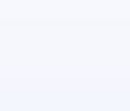
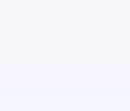
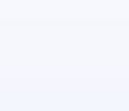
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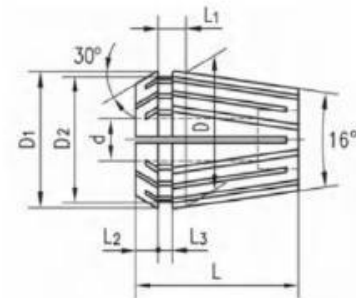
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○材质 Material: 65Mn
○硬度 Hardness: HRC44-48

○精度 Run Out
I: ≤ 0.003mm II: ≤ 0.005mm III: ≤ 0.008mm IV: ≤ 0.01mm V: ≤ 0.015mm

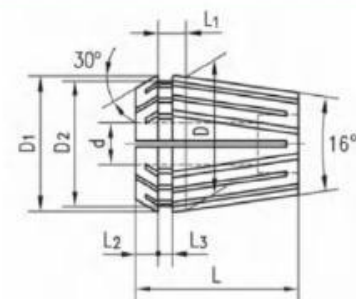
Model	dH7	D	D1	D2	L	L1	L2	L3	弹性收缩量 Collapsible Capacity
ER8	1-5	8	8.5	6.5	13.5	2.7	1.5	1.5	0.5
ER11	1-7	11	11.5	9.5	18.0	3.8	2.5	2.0	0.5
ER16	1-2.5	16	17	13.8	27.5	6.26	4.0	2.7	0.5
	3-10	16	17	13.8	27.5	6.26	4.0	2.7	1.0
ER20	1-2.5	20	21	17.4	31.5	6.36	4.8	2.8	0.5
	3-13	20	21	17.4	31.5	6.36	4.8	2.8	1.0
ER25	1-2.5	25	26	22.0	34.0	6.66	5.0	3.1	0.5
	3-16	25	26	22.0	34.0	6.66	5.0	3.1	1.0
ER32	2-2.5	32	33	29.2	40.0	7.16	5.5	3.6	0.5
	3-20	32	33	29.2	40.0	7.16	5.5	3.6	1.0
ER40	3-26	40	41	36.2	46.0	7.66	7.0	4.1	1.0
ER50	6-10	50	52	46.0	60.0	12.6	8.5	5.5	1.0
	11-34	50	52	46.0	60.0	12.6	8.5	5.5	2.0

不锈钢筒夹 Stainless Steel ER Collets



○材质: 不锈钢 3Cr13
○硬度: HRC50-55
○本体精度 I: ≤ 0.008 II: ≤ 0.005

○Material: Stainless Steel 3Cr13
○Hardness: HRC50-55
○Body Accuracy: I: ≤ 0.008 II: ≤ 0.005



Model	D	D1	D2	L	L1	L2	L3	夹紧范围 Clamping Range
ERS8	8	8.5	6.5	13.5	2.7	1.5	1.5	1-5mm
ERS11	11	11.5	9.5	18	3.8	2.5	2	1-7mm
ERS16	16	17	13.8	27.5	6.26	4	2.7	1-10mm
ERS20	20	21	17.4	31.5	6.36	4.8	2.8	1-13mm
ERS25	25	26	22	34	6.66	5	3.1	1-16mm
ERS32	32	33	29.2	40	7.16	5.5	3.6	1-20mm
ERS40	40	41	36.2	46	7.66	7	4.1	3-26mm
ERS50	50	52	46	60	12.6	8.5	5.5	6-34mm

ER8 (1-5mm)	ER11 (1-7mm)	ER16 (1-10mm)	ER20 (1-13mm)	ER25 (1-16mm)	ER32 (1-20mm)	ER40 (3-26mm)	ER50 (6-34mm)
1.0-0.5	1.0-0.5	1.0-0.5	1.0-0.5	1.0-0.5	1.0-0.5	3-2	6-5
1.5-1.0	1.5-1.0	1.5-1.0	1.5-1.0	1.5-1.0	1.5-1.0	4-3	7-6
2.0-1.5	2.0-1.5	2.0-1.5	2.0-1.5	2.0-1.5	2.0-1.5	5-4	8-7
2.5-2.0	2.5-2.0	2.5-2.0	2.5-2.0	2.5-2.0	2.5-2.0	6-5	9-8
3.0-2.5	3.0-2.5	3-2	3-2	3-2	3-2	7-6	10-9
3.5-3.0	3.5-3.0	4-3	4-3	4-3	4-3	8-7	11-9
4.0-3.5	4.0-3.5	5-4	5-4	5-4	5-4	9-8	12-10
4.5-4.0	4.5-4.0	6-5	6-5	6-5	6-5	10-9	13-11
5.0-4.5	5.0-4.5	7-6	7-6	7-6	7-6	11-10	14-12
	5.5-5.0	8-7	8-7	8-7	8-7	12-11	15-13
	6.0-5.5	9-8	9-8	9-8	9-8	13-12	16-14
	6.5-6.0	10-9	10-9	10-9	10-9	14-13	17-15
	7.0-6.5		11-10	11-10	11-10	15-14	18-16
			12-11	12-11	12-11	16-15	19-17
			13-12	13-12	13-12	17-16	20-18
				14-13	14-13	18-17	21-19
				15-14	15-14	19-18	22-20
				16-15	16-15	20-19	23-21
					17-16	21-20	24-22
					18-17	22-21	25-23
					19-18	23-22	26-24
					20-19	24-23	27-25
						25-24	28-26
						26-25	29-27
							30-28
							31-29
							32-30
							33-31
							34-32

Model	公制 Metric
ER8	1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5
ER11	1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7
ER16	1 / 1.5 / 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
ER20	1 / 1.5 / 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 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13
ER25	1 / 1.5 / 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 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 / 13.5 / 14 / 14.5 / 15 / 15.5 / 16
ER32	1 / 1.5 / 2 / 2.5 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10
	11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20
ER40	3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15
	16 / 17 / 18 / 19 / 20 / 21 / 22 / 23 / 24 / 25 / 26
ER50	6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20
	21 / 22 / 23 / 24 / 25 / 26 / 27 / 28 / 29 / 30 / 31 / 32 / 33 / 34

Model	英制 Inch
ER8	1/32 , 3/64 , 1/16 , 5/64 , 3/32 , 7/64 , 1/8 , 9/64 , 5/32 , 11/64 , 3/16
ER11	1/32 , 3/64 , 1/16 , 5/64 , 3/32 , 7/64 , 1/8 , 9/64 , 5/32 , 11/64 , 3/16 , 13/64 , 7/32 , 15/64 , 1/4 , 17/64
ER16	1/32 , 3/64 , 1/16 , 5/64 , 3/32 , 7/64 , 1/8 , 9/64 , 5/32 , 11/64 , 3/16 , 13/64 , 7/32
	15/64 , 1/4 , 17/64 , 9/32 , 19/64 , 5/16 , 21/64 , 11/32 , 23/64 , 3/8
ER20	1/32 , 3/64 , 1/16 , 5/64 , 3/32 , 7/64 , 1/8 , 9/64 , 5/32 , 11/64 , 3/16 , 13/64 , 7/32 , 15/64 , 1/4 , 17/64
	9/32 , 19/64 , 5/16 , 21/64 , 11/32 , 23/64 , 3/8 , 25/64 , 13/32 , 27/64 , 7/16 , 29/64 , 15/32 , 31/64 , 1/2 , 33/64
ER25	3/64 , 1/16 , 5/64 , 3/32 , 7/64 , 1/8 , 9/64 , 5/32 , 11/64 , 3/16 , 13/64 , 7/32 , 15/64 , 1/4 , 17/64
	9/32 , 19/64 , 5/16 , 21/64 , 11/32 , 23/64 , 3/8 , 25/64 , 13/32 , 27/64 , 7/16 , 29/64 , 15/32 , 31/64 , 1/2 , 33/64 , 17/32 , 35/64 , 9/16 , 37/64 , 19/32 , 39/64 , 5/8
ER32	1/16 , 3/32 , 1/8 , 5/32 , 3/16 , 7/32 , 1/4 , 9/32 , 5/16 , 11/32 , 3/8 , 13/32 , 7/16 , 15/32 , 1/2 , 17/32
	9/16 , 19/32 , 5/8 , 21/32 , 11/16 , 23/32 , 3/4
ER40	1/8 , 5/32 , 3/16 , 7/32 , 1/4 , 9/32 , 5/16 , 11/32 , 3/8 , 13/32 , 7/16 , 15/32 , 1/2 , 17/32 , 9/16 , 19/32 , 5/8 , 21/32 , 11/16
	23/32 , 3/4 , 25/32 , 13/16 , 27/32 , 7/8 , 29/32 , 15/16 , 31/32 , 1"
ER50	1/4 , 9/32 , 5/16 , 11/32 , 3/8 , 13/32 , 7/16 , 15/32 , 1/2 , 17/32 , 9/16 , 19/32 , 5/8 , 21/32 , 11/16 , 23/32 , 3/4 , 25/32 , 13/16
	27/32 , 7/8 , 29/32 , 15/16 , 31/32 , 1" , 1-1/32 , 1-1/16 , 1-3/32 , 1-1/8 , 1-5/32 , 1-3/16 , 1-7/32 , 1-1/4 , 1-9/32 , 1-5/16



Model No	规格 Type	支 / 套 PCS/SET
ER11-7PCS	1 , 2 , 3 , 4 , 5 , 6 , 7	7PCS/SET
ER16-10PCS	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9 , 10	10PCS/SET
ER16-8PCS	3 , 4 , 5 , 6 , 7 , 8 , 9 , 10	8PCS/SET
ER20-13PCS	1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13	13PCS/SET
ER20-11PCS	3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13	11PCS/SET
ER25-15PCS	2 , 3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16	15PCS/SET
ER25-18PCS	1 , 1.5 , 2 , 2.5 , 3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16	18PCS/SET
ER32-18PCS	3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16 , 17 , 18 , 19 , 20	18PCS/SET
ER40-24PCS	3 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16 , 17 , 18 , 19 , 20 , 21 , 22 , 23 , 24 , 25 , 26	24PCS/SET
ER40-23PCS	4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16 , 17 , 18 , 19 , 20 , 21 , 22 , 23 , 24 , 25 , 26	23PCS/SET
ER40-18PCS	4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16 , 17 , 18 , 19 , 20 , 25	18PCS/SET
ER40-15PCS	4 , 5 , 6 , 8 , 10 , 12 , 14 , 15 , 16 , 18 , 20 , 22 , 24 , 25 , 26	15PCS/SET
ER40-8PCS	4 , 6 , 8 , 10 , 12 , 16 , 20 , 25	8PCS/SET
ER50-29PCS	6 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16 , 17 , 18 , 19 , 20 , 21 , 22 , 23 , 24 , 25 , 26 , 27 , 28 , 29 , 30 , 31 , 32 , 33 , 34	29PCS/SET
ER50-15PCS	6 , 8 , 10 , 12 , 14 , 16 , 18 , 20 , 22 , 24 , 26 , 28 , 30 , 32 , 34	15PCS/SET
ER8-6PCS(inch)	1/32 , 1/16 , 3/32 , 1/8 , 5/32 , 3/16	6PCS/SET
ER11-8PCS(inch)	1/32 , 1/16 , 3/32 , 1/8 , 5/32 , 3/16 , 7/32 , 1/4	8PCS/SET
ER16-8PCS(inch)	1/8 , 5/32 , 3/16 , 7/32 , 1/4 , 5/16 , 11/32 , 3/8	8PCS/SET
ER20-16PCS(inch)	1/32 , 1/16 , 3/32 , 1/8 , 5/32 , 3/16 , 7/32 , 1/4 , 9/32 , 5/16 , 11/32 , 3/8 , 13/32 , 7/16 , 15/32 , 1/2	16PCS/SET
ER20-14PCS(inch)	3/32 , 1/8 , 5/32 , 3/16 , 7/32 , 1/4 , 9/32 , 5/16 , 11/32 , 3/8 , 13/32 , 7/16 , 15/32 , 1/2	14PCS/SET
ER20-11PCS(inch)	1/8 , 5/32 , 3/16 , 7/32 , 1/4 , 9/32 , 5/16 , 11/32 , 3/8 , 7/16 , 1/2	11PCS/SET
ER25-18PCS(inch)	3/32 , 1/8 , 5/32 , 3/16 , 7/32 , 1/4 , 9/32 , 5/16 , 11/32 , 3/8 , 13/32 , 7/16 , 15/32 , 1/217/32 , 9/16 , 19/32 , 5/8	18PCS/SET
ER25-9PCS(inch)	1/8 , 3/16 , 1/4 , 5/16 , 3/8 , 7/16 , 1/2 , 9/16 , 5/8	9PCS/SET
ER32-18PCS(inch)	1/8 , 5/32 , 3/16 , 7/32 , 1/4 , 9/32 , 5/16 , 11/32 , 3/8 , 7/16 , 15/32 , 1/2 , 9/16 , 19/32 , 5/8 , 11/16 , 23/32 , 3/4	18PCS/SET
ER32-11PCS(inch)	1/8 , 3/16 , 1/4 , 5/16 , 3/8 , 7/16 , 1/2 , 9/16 , 5/8 , 11/16 , 3/4	11PCS/SET
ER40-23PCS(inch)	1/8 , 5/32 , 3/16 , 7/32 , 1/4 , 9/32 , 5/16 , 11/32 , 3/8 , 7/16 , 15/32 , 1/2 , 9/16 , 19/32 , 5/8 , 11/16 , 23/32 , 3/4 , 13/16 , 27/32 , 7/8 , 29/32 , 1"	23PCS/SET
ER40-18PCS(inch)	5/32 , 3/16 , 7/32 , 1/4 , 9/32 , 5/16 , 11/32 , 3/8 , 7/16 , 15/32 , 1/2 , 9/16 , 19/32 , 5/8 , 11/16 , 3/4 , 13/16 , 1"	18PCS/SET
ER40-15PCS(inch)	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"	15PCS/SET
ER40-14PCS(inch))	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 , 1"	14PCS/SET
ER40-8PCS(inch)	1/8 , 1/4 , 3/8 , 1/2 , 5/8 , 3/4 , 7/8 , 1"	8PCS/SET
ER50-35PCS(inch)	1/4 , 9/32 , 5/16 , 11/32 , 3/8 , 13/32 , 7/16 , 15/32 , 1/2 , 17/32 , 9/16 , 19/32 , 5/8 , 21/32 , 11/16 , 23/32 , 3/4 , 25/32 , 13/16 , 27/32 , 7/8 , 29/32 , 15/16 , 31/32 , 1" , 1-1/32 , 1-1/16 , 1-3/32 , 1-1/8 , 1-5/32 , 1-3/16 , 1-7/32 , 1-1/4 , 1-9/32 , 1-5/16	35PCS/SET
ER50-15PCS(inch)	1/4 , 5/16 , 3/8 , 7/16 , 1/2 , 9/16 , 5/8 , 11/16 , 3/4 , 13/16 , 7/8 , 15/16 , 1-1/8 , 1-3/16 , 1-9/32	15PCS/SET

根据要求，还可以提供其它不同规格及件数的套筒夹头 We are glad to supply collets with different size and quantities according to your requirement.



○材料: 65Mn ○硬度: HRC44-48
○ Material: 65Mn ○ Hardness: HRC44-48

Model	D	L	L1	L3	攻丝范围 Tapping range
ERG16	16.17	27.5	21.2	4	M2-M12
ERG20	20.74	31.5	24.3	4.8	M3-M16
ERG25	25.74	34	26.5	5	M3-M20
ERG32	32.74	40	31.8	5.5	M3-M24
ERG40	40.74	46	35.5	7	M3-M30

ISO 国标 丝锥规格	丝锥尺寸			JIS 日标 丝锥规格	丝锥尺寸			DIN 德标 丝锥规格	丝锥尺寸	
	柄径 D1	四方 t			柄径 D1	四方 t			柄径 D1	四方 t
ERG16 夹持丝锥规格 Clamping Taps Specifications										
M1-M2	2.5	2		M2	3	2.5		M1-M1.8	2.5	2.1
M2.2-M2.5	2.8	2.24						M2-M2.5	2.8	2.1
M3	3.15	2.5		M3	4	3.2		M3	3.5	2.7
M4	4	3.15		M4	5	4		M4	4.5	3.4
M5	5	4		M5	5.5	4.5		M5	6	4.9
M6	6.3	5		M6	6	4.5		M6	6	4.9
M8	6.3	5		M8	6.2	5		M8	8	6.2
M10	8	6.3		M10	7	5.5		M10	10	8
M12	9	7.1		M12	8.5	6.5		M12	9	7

ISO 国标 丝锥规格	丝锥尺寸			JIS 日标 丝锥规格	丝锥尺寸			DIN 德标 丝锥规格	丝锥尺寸	
	柄径 D1	四方 t			柄径 D1	四方 t			柄径 D1	四方 t
ERG20 夹持丝锥规格 Clamping Taps Specifications										
M3	3.15	2.5		M3	4	3.2		M3	3.5	2.7
M4	4	3.15		M4	5	4		M4	4.5	3.4
M5	5	4		M5	5.5	4.5		M5	6	4.9
M6	6.3	5		M6	6	4.5		M6	6	4.9
M8	6.3	5		M8	6.2	5		M8	8	6.2
M10	8	6.3		M10	7	5.5		M10	10	8
M12	9	7.1		M12	8.5	6.5		M12	9	7
M14	11.2	9		M14	10.5	8		M14	11	9
M16	12.5	10		M16	12.5	10		M16	12	9

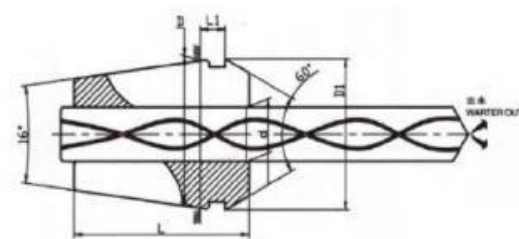
ISO 国标 丝锥规格	丝锥尺寸			JIS 日标 丝锥规格	丝锥尺寸			DIN 德标 丝锥规格	丝锥尺寸	
	柄径 D1	四方 t			柄径 D1	四方 t			柄径 D1	四方 t
ERG25 夹持丝锥规格 Clamping Taps Specifications										
M3	3.15	2.5		M3	4	3.2		M3	3.5	2.7
M4	4	3.15		M4	5	4		M4	4.5	3.4
M5	5	4		M5	5.5	4.5		M5	6	4.9
M6	6.3	5		M6	6	4.5		M6	6	4.9
M8	6.3	5		M8	6.2	5		M8	8	6.2
M10	8	6.3		M10	7	5.5		M10	10	8
M12	9	7.1		M12	8.5	6.5		M12	9	7
M14	11.2	9		M14	10.5	8		M14	11	9
M16	12.5	10		M16	12.5	10		M16	12	9
M18	14	11.2		M18	14	11		M18	14	11
M20	14	11.2		M20	15	12		M20	16	12

ISO 国标 丝锥规格	丝锥尺寸			JIS 日标 丝锥规格	丝锥尺寸			DIN 德标 丝锥规格	丝锥尺寸	
	柄径 D1	四方 t			柄径 D1	四方 t			柄径 D1	四方 t
ERG32 夹持丝锥规格 Clamping Taps Specifications										
M3	3.15	2.5		M3	4	3.2		M3	3.5	2.7
M4	4	3.15		M4	5	4		M4	4.5	3.4
M5	5	4		M5	5.5	4.5		M5	6	4.9
M6	6.3	5		M6	6	4.5		M6	6	4.9
M8	6.3	5		M8	6.2	5		M8	8	6.2
M10	8	6.3		M10	7	5.5		M10	10	8
M12	9	7.1		M12	8.5	6.5		M12	9	7
M14	11.2	9		M14	10.5	8		M14	11	9
M16	12.5	10		M16	12.5	10		M16	12	9
M18	14	11.2		M18	14	11		M18	14	11
M20	14	11.2		M20	15	12		M20	16	12
M22	16	12.5		M22	17	13		M22	18	14.5
M24	18	14	M24	19	15	M24	18	14.5		

ISO 国标 丝锥规格	丝锥尺寸			JIS 日标 丝锥规格	丝锥尺寸			DIN 德标 丝锥规格	丝锥尺寸	
	柄径 D1	四方 t			柄径 D1	四方 t			柄径 D1	四方 t
ERG40 夹持丝锥规格 Clamping Taps Specifications										
M3	3.15	2.5		M3	4	3.2		M3	3.5	2.7
M4	4	3.15		M4	5	4		M4	4.5	3.4
M5	5	4		M5	5.5	4.5		M5	6	4.9
M6	6.3	5		M6	6	4.5		M6	6	4.9
M8	6.3	5		M8	6.2	5		M8	8	6.2
M10	8	6.3		M10	7	5.5		M10	10	8
M12	9	7.1		M12	8.5	6.5		M12	9	7
M14	11.2	9		M14	10.5	8		M14	11	9
M16	12.5	10		M16	12.5	10		M16	12	9
M18	14	11.2		M18	14	11		M18	14	11
M20	14	11.2		M20	15	12		M20	16	12
M22	16	12.5		M22	17	13		M22	18	14.5
M24	18	14		M24	19	15		M24	18	14.5
M27	20	16		M27	20	15		M27	20	16
M30	20	16		M30	23	17		M30	22	18



○材料: 65Mn ○ Material: 65Mn
○硬度: HRC44-48 ○ Hardness: HRC44-48
○精度: ≤ 0.008mm ○ Accuracy: ≤ 0.008mm



○利用沟槽差异, 达到周围止水, 仅中心出水功能
○适用于夹持有出水孔的刀具
○可承受水压 7Mpa
○非标准孔可订制 ISO JIS DIN

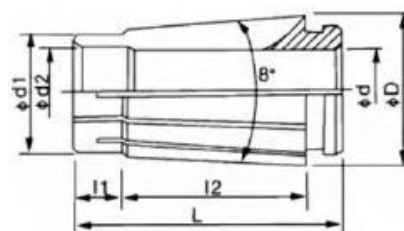
○ Differences in the use of grooves to reach around the sealing
○ Central water feature only applies to folders to hold the water hole tool
○ Can withstand water pressure 7Mpa
○ Non-standard holes can be customized ISO JIS DIN

Model	夹持范围 Clamping Range	弹性收缩量 Collapsible Capacity	D	D1	L	L1
ER11C	3-7	0.1	11	11.5	18	3.8
ER16C	3-6	0.1	16	17	27.5	6.26
	6-10	0.5				
ER20C	3-6	0.1	20	21	31.5	6.36
	6-13	0.5				
ER25C	3-6	0.1	25	26	34	6.66
	6-16	0.5				
ER32C	3-8	0.1	32	33	40	7.16
	8-20	0.5				
ER40C	4-10	0.1	40	41	46	7.66
	10-26	0.5				
ER50C	12-34	0.5	50	52	60	12.6

SK 筒夹 SK Collets



○材料: 65Mn ○ Material: 65Mn
○硬度: HRC44-48 ○ Hardness: HRC44-48
○精度: ≤ 0.005mm ○ Accuracy: ≤ 0.005mm

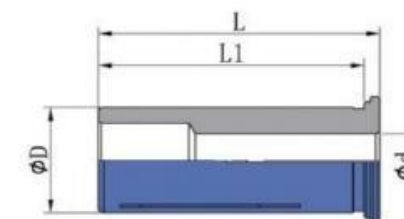


Model	内径 Inside Diameter	d	d1	L	L1	L2
SK10	2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10	15.5	12	30.5	5.1	21.3
SK16	3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16	24.5	18.8	45	7.5	32.4
SK20	3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20	29.1	22.6	54	8	40.7
SK25	3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22 / 23 / 24 / 25	35.7	28.9	57	8.4	43.1



○材质: 65Mn
○硬度: HRC44-48
○精度: ≤ 0.003mm

○ Material: 65Mn
○ Hardness: HRC44-48
○ Accuracy: ≤ 0.003mm



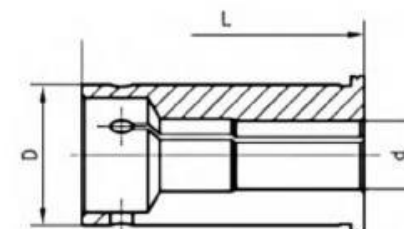
Model	d	D	L	L1
HC12-3	3	12	47	45
HC12-4	4			
HC12-5	5			
HC12-6	6			
HC12-8	8	20	20	50.5
HC20-3	3			
HC20-4	4			
HC20-5	5			
HC20-6	6			
HC20-7	7			
HC20-8	8			
HC20-9	9			
HC20-10	10			
HC20-11	11			

Model	d	D	L	L1
HC20-12	12	20	20	50.5
HC20-13	13			
HC20-14	14			
HC20-15	15			
HC20-16	16	32	64.5	61
HC32-6	6			
HC32-8	8			
HC32-10	10			
HC32-12	12			
HC32-14	14			
HC32-16	16			
HC32-18	18			
HC32-20	20			
HC32-25	25			

直柄筒夹 Straight Collets



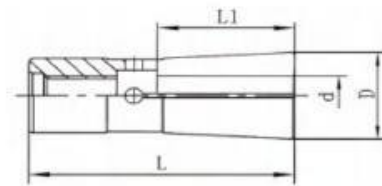
○材料: 65Mn ○ Material: 65Mn
○硬度: HRC44-48 ○ Hardness: HRC44-48
○精度: ≤ 0.008mm ○ Accuracy: ≤ 0.008mm



Model	d 内径 Inside Diameter	D	D2	L
C20	3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16mm	20	25	52
C25	3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20mm	25	31	60
C32	3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22 / 23 / 24 / 25mm	32	37	73
C42	3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 17 / 18 / 19 / 20 / 21 / 22 / 23 / 24 / 25 / 26 / 27 / 28 / 29 / 30 / 31 / 32mm	42	48	80



○材料: 65Mn ○ Material: 65Mn
○硬度: HRC44-48 ○ Hardness: HRC44-48
○精度: $\leq 0.005\text{mm}$ ○ Accuracy: $\leq 0.005\text{mm}$



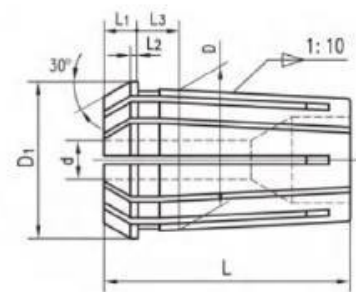
Model		d	L	L1	D
SDC6	3	3	36	14	9.6
	3.175	3.175	36	14	9.6
	4	4	36	14	9.6
	5	5	36	16	9.6
	6	6	36	16	9.6
SDC8	3	3	45	15	15
	4	4	45	16	15
	6	6	45	24	15
	8	8	45	26	15
SDC12	4	4	60	15	22
	6	6	60	25	22
	8	8	60	30	22
	10	10	60	33	22
	12	12	60	33	22

EOC/OZ 筒夹 EOC/OZ Collets

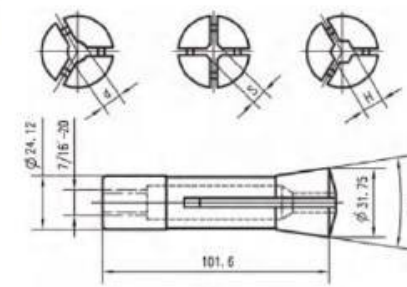


○材料: 65Mn ○ Material: 65Mn
○硬度: HRC44-48 ○ Hardness: HRC44-48
○精度: $\leq 0.015\text{mm}$ ○ Accuracy: $\leq 0.015\text{mm}$

DIN6388B Taper: 1:10



Model	D	D1	d	L	L1	L2	L3
EOC16B	22.65	25.5	2 ~ 16	40	5.5	1.2	9.5
EOC20B	27.4	29.8	2 ~ 20	45	6	1.35	10
EOC25B	32.9	35.05	2 ~ 25	52	6	1.4	10
EOC32B	41.3	43.7	4 ~ 32	60	6	1.45	11

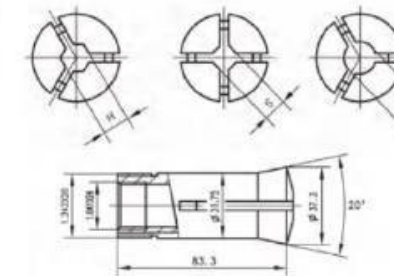


Model	型式 Type	夹持范围 Clamping range		重量 Wt(kg)
		mm	in	
R8-01-d	圆孔 Round	1 ~ 20	1/16 ~ 7/8	0.24
R8-02-S	四方孔 Square	3 ~ 13	1/8 ~ 1/2	0.24
R8-03-H	六方孔 Hex	3 ~ 16	1/8 ~ 5/8	0.24

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

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

5C 筒夹 5C Collets

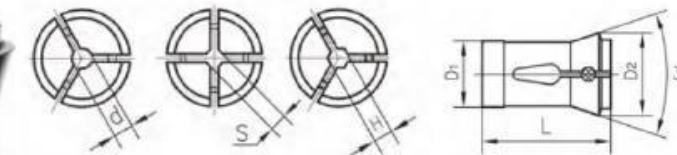


Model	型式 Type	夹持范围 Clamping range		重量 Wt(kg)
		mm	in	
5C-01-d	圆孔 Round	1 ~ 28	1/32 ~ 1-1/8	0.24
5C-02-S	四方孔 Square	3 ~ 19	1/8 ~ 3/4	0.24
5C-03-H	六方孔 Hex	3 ~ 22	1/8 ~ 7/8	0.24

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

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

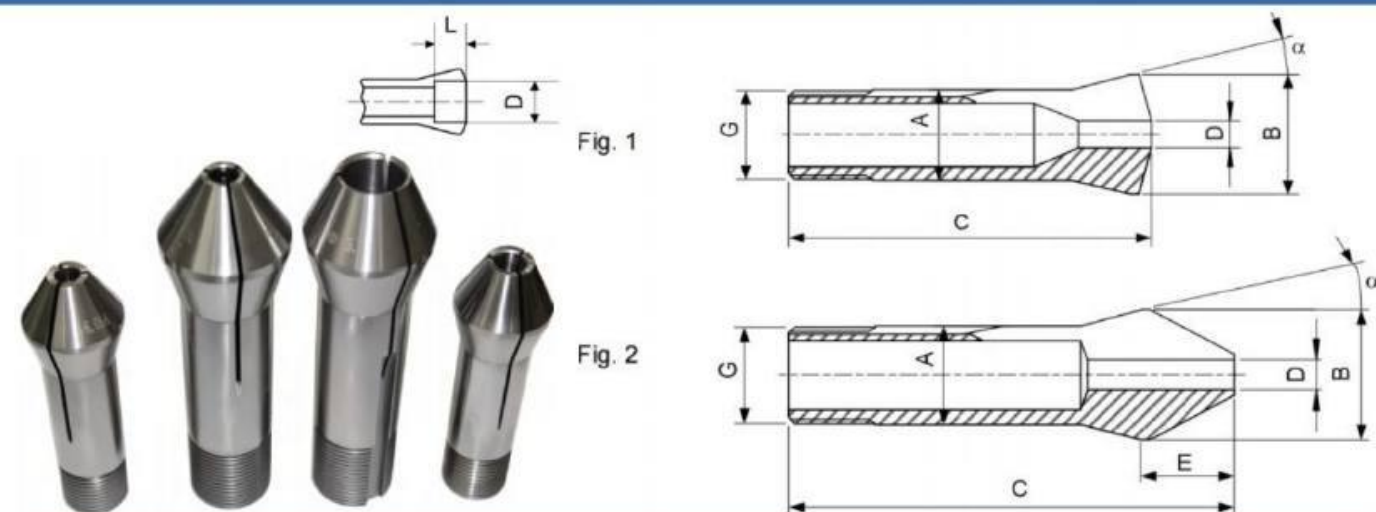
前推式筒夹 Clamping Collets



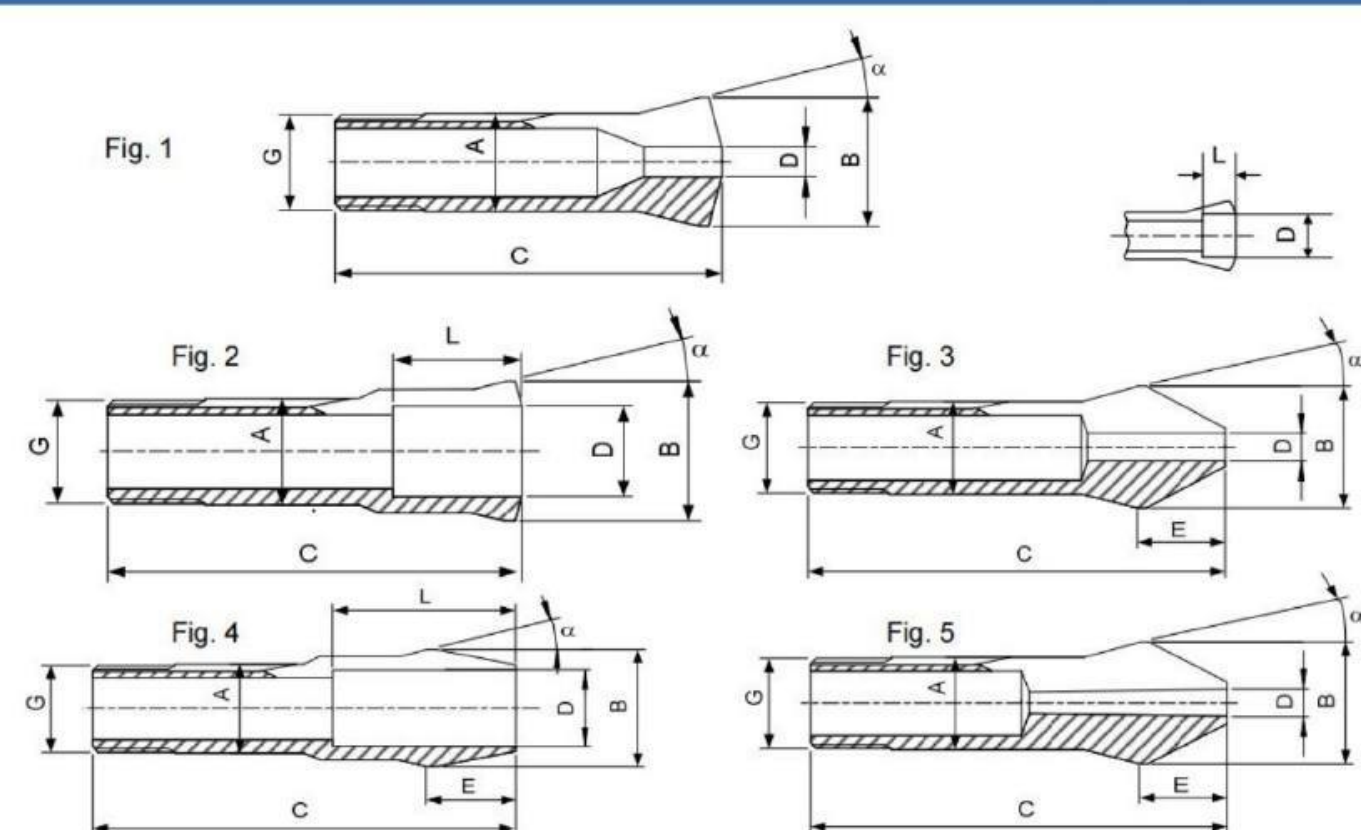
1. 材料: 65Mn
2. 硬度: 夹持部分 HRC55 ~ 60 弹性区 HRC40 ~ 45
3. 适用于各种车床、六角车床等

1. Material: 65Mn
2. Hardness: clamping part HRC55 ~ 60 elastic part HRC40 ~ 45
3. This unit is applicable to all sorts of automatic lathes, turret lathes

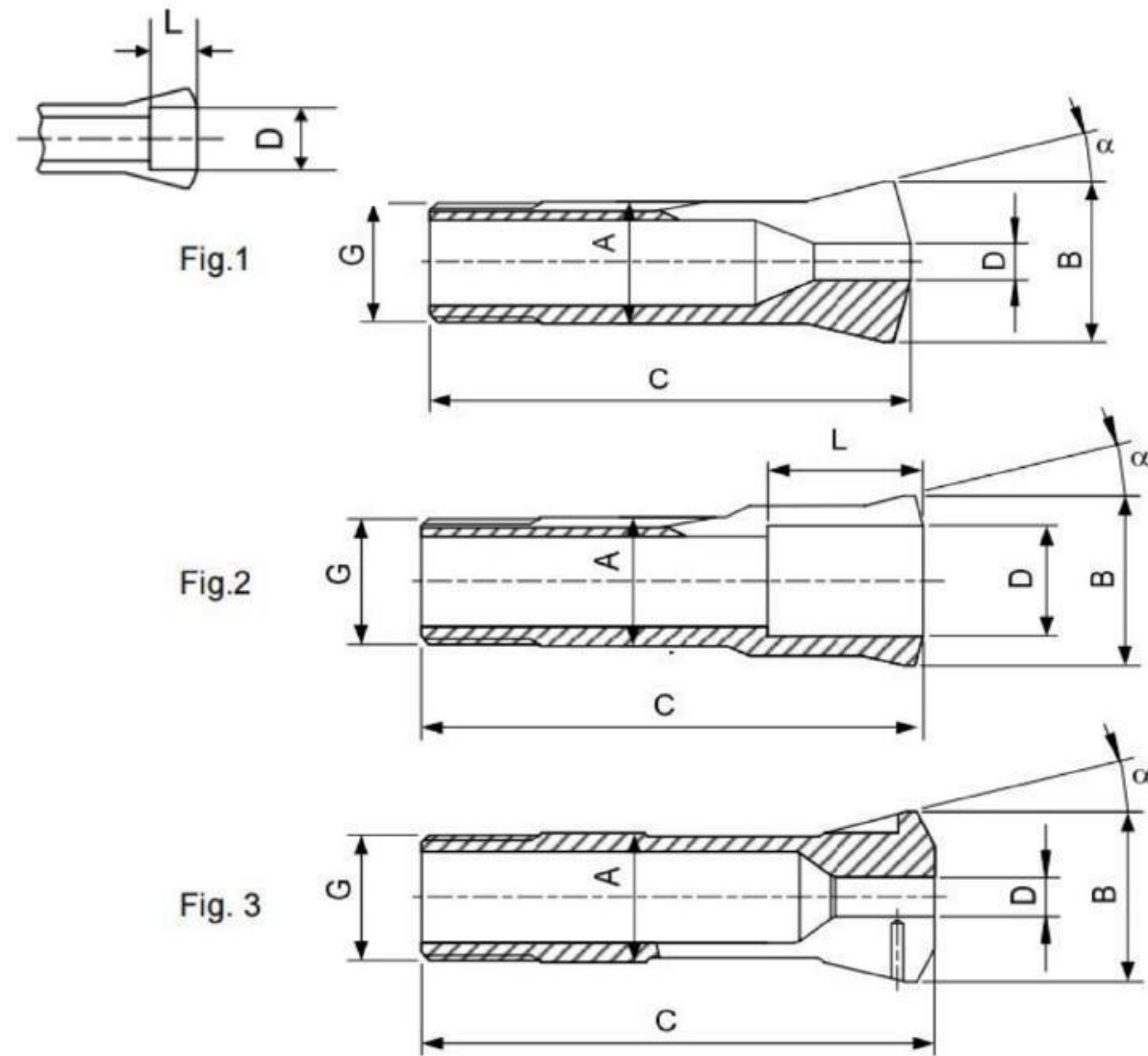
Model	D1(mm)	D2(mm)	L(mm)	孔径 Hole size(mm)			重量 Wt(kg)
				圆孔 Round	四方孔 Square	六方孔 Hex	
F17.5	17.5	22	51	13	8	10	0.05
F22	22	30	55	16	11	13	0.09
F27	27	38	72.7	22	15	19	0.10
F28	28	38	70	22	15	19	0.12
F32	32	45	75	26	18	22	0.27
F35	35	48	80	30	21	26	0.35
F42	42	55	94	36	25	30	0.49
F48	48	60	94	42	29	36	0.57
F56	56	68	94	50	35	42	0.65
F66	66	84	110	60	42	52	1.16



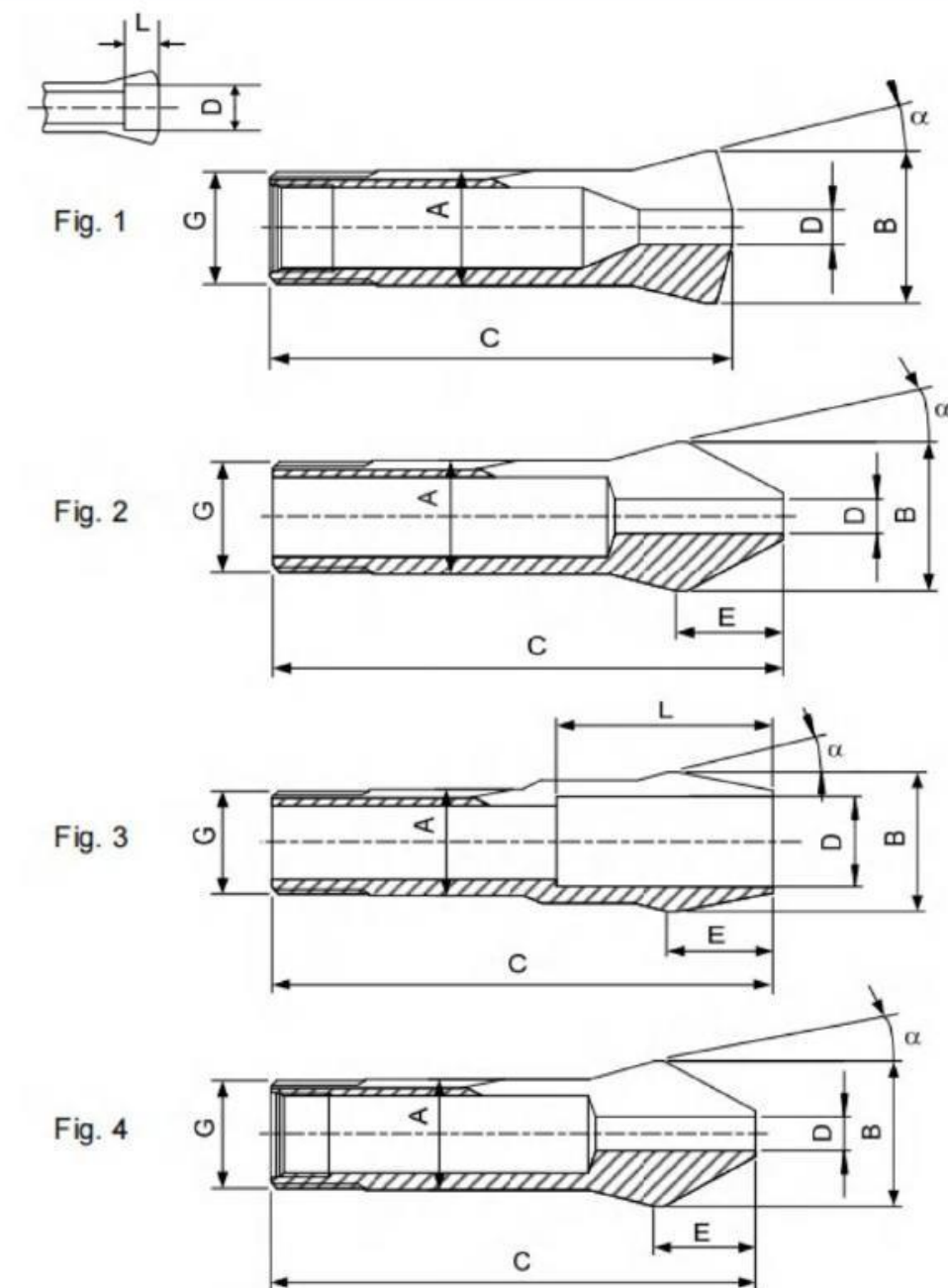
Model	A	B	C	E	G	α	D min-max	L	Fig
W10	10	14	43.6	-	$\varnothing 9.83 \times 0.833$) 45° / 5°	15°	0.30...6.70	-	1
							6.71...8.00	15	
							8.01...8.50	6	
							8.51...9.00	5	
							9.01...9.50	4	
							9.51...10.00	3	
W12	10	14	49.5	8	$\varnothing 9.83 \times 0.833$) 45° / 5°	15°	0.30-6.35	-	2
							6.36-8.00	21	
							0.30...8.00	-	
							8.01...10.00	17	
							10.01...10.50	6	
							10.51...11.00	5	
W15	12	16	46	-	$\varnothing 11.75 \times 1.25$) 45° / 5°	15°	11.01...11.50	4	1
							11.51...12.00	3	
							12.01...12.50	2	
							0.30...10.70	-	
							10.71...12.70	22	
							12.71...13.00	9.5	
							13.01...13.50	8.5	
							13.51...14.00	7.5	
							14.01...14.50	6.5	
							14.51...15.00	5.5	
							15.01...15.50	4.5	
							15.51...16.00	3.5	
W15	15	20.2	58.3	-	$\varnothing 14.75 \times 1.25$) 45° / 5°	15°	0.30...10.20	-	2
							10.21...12.70	32	



Model	A	B	C	E	G	α	D min-max(O	L	Fig.
W20	20	26.3	73	-	$\varnothing 19.7 \times 1.666$) 45° / 5°	15°	0.30...14.50	28	1
							14.51...16.00	13.5	
							20)16.01...16.50	13	
							20)16.51...17.00	12.2	
							20)17.01...17.50	11.5	
							20)17.51...18.00	10.7	
							20)18.01...18.50	10	
							20)18.51...19.00	8.7	
							20)19.01...19.50	7.5	
							20)19.51...20.00	6.5	
							20.01...20.50	5.5	
							20.51...21.00	4.7	
							21.01...21.50	4	
							21.51...22.00	3	
							22.01...22.50	2	
							22.51...23.00	-	
	20	26.3	73	-	$\varnothing 19.7 \times 1.666$) 45° / 5°	15°	16.01...20.00	24	2
	20	26.3	84.5	15.5		15°	0.30...13.00 13.01...16.00	- 41	3
	20	26.3	84.5	15.5		15°	16.01...20.00	37	4
	20	26.3	84.5	15.5		15°	Morse DIN228 MK-1	-	5
	20	26.3	84.5	15.5		15°	Morse DIN228 MK-2	66	5
	20	26.3	94.5	25.5		15°			



Model	A	B	C	E	G	α	D min-max	L	Fig.
W25	25	33.7	97.6	-	Ø24.7x1.69345° 15°	15°	0.30...19.05	35	1
							19.06...21.00	16.5	
							21.01...21.50	16	
							21.51...22.00	15.5	
							22.01...23.00	15	
							23.01...23.50	14.5	
							23.51...24.00	13.5	
							24.01...24.50	12.5	
							24.51...25.00	11.5	
							25.01...25.40	11.5	
							25.41...25.50	10.5	
							25.51...26.00	9.5	
							26.01...26.50	8.5	
							26.51...27.00	7.5	
							27.01...27.50	6.5	
							27.51...28.00	5.5	
							28.01...28.50	4.5	
							28.51...29.00	4.5	
	25	33.7	97.6	-	Ø24.7x1.693 45° 15°	15°	21.01...25.40	30	2
	25	35	94	-	M25x1	16°	0.50...17.00	-	3



Model	A	B	C	E	G	α	D min-max	L	Fig.
W25	25	33.7	112.2	19.7	Ø24.7x1.693 大 45° / 5°	15°	0.30...19.05	-	2
	25	33.7	112.2	19.7	Ø24.7x1.693 ×45° / 5°	15°	19.06...21.00	50	3
	25	33.7	112.2	19.7	Ø24.7x1.693 大 45° / 5°	15°	Morse DIN228 MK-1	-	2
	25	33.7	112.2	19.7	Ø24.7x1.69345° / 5°	15°	Morse DIN228 MK-2	-	2
W31.75	31.75	37.4	87	-	Ø31.4x1.27 60°	10° 3'	0.50...25.19	-	1
	31.75	37.4	87	-	Ø31.4x1.27 60°	10° 3'	25.20...27.99	40	
	31.75	37.4	87	-	Ø31.4x1.27 60°	10° 3'	28.00...28.99	10	
	31.75	37.4	87	-	Ø31.4x1.27 60°	10° 3'	29.00...29.99	7	
W31.75	31.75	37.4	108.7	25.4	Ø31.4x1.27 60°	10° 3'	30.00...31.00	4	4
	31.75	37.4	108.7	25.4	Ø31.4x1.27 60°	10° 3'	0.30...25.19	64	
	31.75	37.4	108.7	25.4	Ø31.4x1.27 60°	10° 3'	25.20...28.00	64	4

ER-M 型扳手 ER-M Spanners



Model of Spanners	Type of Nuts
ER8M	ER8M
ER11M	ER11M
ER16M	ER16M
ER20M	ER20M

ER-A 型扳手 ER-A Spanners



Model of Spanners	Type of Nuts
ER8A	ER8A
ER11A	ER11A
ER16A	ER16A
ER20A	ER20A

ER 勾头扳手 ER Spanners



Model of Spanners	Type of Nuts
WTG-42	ER25
WTG-52	ER32 APU13
WTG-63	ER40 APU16
WTG-85	ER50 C32

ER-UM 型扳手 ER-UM Spanners



Model of Spanners	Type of Nuts
ER20UM	ER20UM
ER25UM	ER25UM
ER32UM	ER32UM
ER40UM	ER40UM
ER50UM	ER50UM

ER-O 型扳手 ER-O Spanners



Model of Spanners	Type of Nuts
ER20 O	ER20 O
ER25 O	ER25 O
ER32 O	ER32 O
ER40 O	ER40 O
ER50 O	ER50 O

拉钉扳手 Pull Stud Spanners



Model of Spanners	Pull Studs
BT30	BT30
BT40	BT40
BT50	BT50

ER-MS 扳手 ER-MS Spanners



Model of Spanners	Type of Nuts
ER11MS	ER11MS
ER16MS	ER16MS
ER20MS	ER20MS

APU 扳手 APU Spanners



Model of Spanners	Type of Drill Chucks
APU13-A	APU13-A
APU13-B	APU13-B

扭力调节扳手 Torqua Adjustment Spanners



Model of Spanners	Type of Tapping Collets
GT12	GT12
GT24	GT24
GT42	GT42

APU 扳手 APU Spanners



Model of Spanners	Type of Drill Chucks
APU13	APU13
APU16	APU16

滚珠轴承扳手 Roller Bearing Spanners



Model of Spanners	Type of Nuts
C27	GSK10
C33	GSK13
C40	GSK16
C48	GSK20
C50	GSK25
C55	GSK32

混合插入式扳手 CH Spanners



Model of Spanners	Type of Holder
CH16	16
CH22	22
CH27	27
CH32	32
CH40	40
CH50	50

ER-A 型螺帽 ER-A Nuts



Model	L	D	M
ER8A	12	12	M10*0.75
ER11A	14	19	M14*0.75P
ER16A	19	28	M22*1.5P
ER20A	23	27	M25*1.5
ER25A	20	42	M32*1.5P

ER-MS 型螺帽 ER-MS Nuts



Model	L	D	M
ER11MS	11.3	16	M13*0.75P
ER16MS	17	22	M19*1.0P
ER20MS	19	28	M24*1.0P
ER25MS	23	35	M30*1.0P

GER 型螺帽 GER Nuts



Model	L	D	M
GER16	23	30	M19*1.0P
GER20	25	35	M24*1.0P
GER25	26	40	M30*1.0P
GER32	30	50	M40*1.5P

ER-M 型螺帽 ER-M Nuts



Model	L	D	M
ER8M	12	12	M10*0.75
ER11M	12	16	M13*0.75P
ER16M	18	22	M19*1.0P
ER20M	19	28	M24*1.0P
ER25M	20	35	M30*1.0P

ER-UM 型螺帽 ER-UM Nuts



Model	L	D	M
ER25UM	20	42	M32*1.5P
ER32UM	22.5	50	M40*1.5P
ER40UM	25.5	63	M50*1.5P
ER50UM	35.5	78	M64*2P

GSK 型螺帽 GSK Nuts



Model	L	D	M
GSK10	24	27	M21.5*1.0P
GSK16	31	40	M32*1.5P
GSK20	35	48	M40*1.5P
GSK25	37	55	M45*1.5P

BT 拉钉系列 BT Pull Studs Series



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

MAZAK 拉钉系列 MAZAK Pull Studs Series



Model	L	L1	L2	D	D1	D2	H	H1	M
MAZAK-BT40	44.10	19.10	14.02	17	12.45	18.8	3.05	1.52	M16
MAZAK-CAT40	41.25	16.25	11.17	17	12.45	18.8	3.05	1.52	M16
MAZAK-BT50	65.20	25.20	17.7	25	20.83	28.96	5.05	2.54	M24

JT/SK 系列拉钉 JT/SK Pull Studs Series



Model	L	L1	L2	D	D1	D2	M
JT30	44	24	19	13	9	13	M12
JT40	54	26	20	17	14	19	M16
JT50	74	34	25	25	21	28	M24

CAT 系列拉钉 CAT Pull Studs Series



Model	L	L1	L2	D1	D2	H	H1	M
CAT30	27.94	11.68	8.13	9.78	13.21	2.54	1.01	1/2"-13
CAT40	38.10	16.26	11.18	12.45	18.80	3.05	1.52	5/8"-11
CAT50	58.42	25.4	17.78	20.83	28.96	5.08	2.54	1"-8

不锈钢拉钉 Stainless Steel Pull Studs



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

ISO 雕刻机用拉钉 Pull Studs Of Carving Machine



Model	D	d	d1	d2	L	L1	L2	W	M
ISO20	11.4	9	6	8.5	26	12	9	10	M8*1.25P
ISO25	12	10	7	9	32	16	11.6	10	M8*1.25P
ISO30	17	13	9	13	45	24	19	14	M12*1.75P

CAT-MAZAK 拉钉 CAT-MAZAK Pull Studs



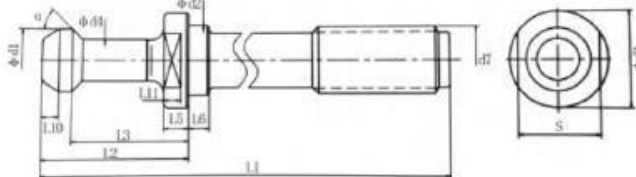
Model	d1	d2	d3	d4	d5	d7	L1	L2	L3	L5	L6	L9	S
CAT-45° UG	18.8	16.28	22	12.45	-	0.625" - 11UNC	41.26	16.26	11.18	3	4	1.52	19.05
CAT-45° UG/T					7								

OTT 拉钉 OTT Pull Studs Series



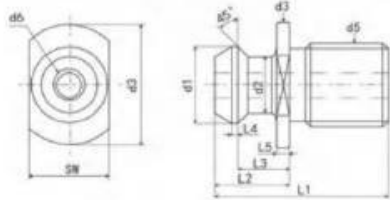
Model	d1	d2	d4	d5	d7	d8	L1	L2	L3	L5	L6	S
OTT40	25	17	21.1	7	M16	M16	53	25.1	13.6	6	5	19
OTT50	39.6	25	30.2	7	M24	M24	65.1	25.1	13.3	6	8	30

莫式锥度刀柄加长拉钉 Morse Taper Tool Holder and Lengthening Pull Studs



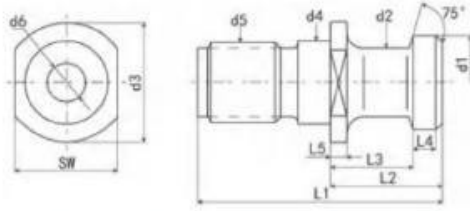
Model	d1	d2	d3	d4	d7	L1	L2	L3	L5	L6	L10	L11	S	α
BT40-45° -M10	15	17	23	10	M10	115	35	28	6	5	4	4	19	45°
BT40-45° -M12					M12									
BT40-45° -M14					M14									
BT40-45° -M16					M16									
BT40-60° -M12					M12									
BT40-60° -M16					M16									60°
BT50-45° -M16	23	25	38	17	M16	170	45	35	10	8	5	8	30	45°
BT50-45° -M20					M20									

美国标准拉钉 American Standard Pull Studs ANSI/AMSE B550-1994



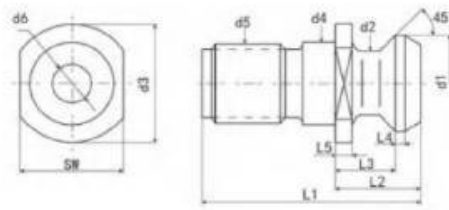
Model	d1	d3	d4	d5	d7	L1	L2	L3	L5	L9	S
CAT30-45° U	13.21	16.51	9.78		0.5"-13UNC	27.94	11.68	8.13	2.54	1.02	13.46
CAT30-45° U/W				4.75							
对应英制尺寸 inch	0.520	0.65	0.385	0.187		1.10	0.460	0.320	0.10	0.04	0.53
CAT40-45° U	18.80	23.88	12.45		0.625"-11UNC	38.10	16.26	11.18	3.05	1.52	19.05
CAT40-45° U/W				7.14							
对应英制尺寸 inch	0.740	0.94	0.490	0.281		1.50	0.640	0.440	0.12	0.06	0.75
CAT45-45° U	23.88	30.48	15.37		0.75"-10UNC	45.72	20.83	14.73	4.06	2.03	25.40
CAT45-45° U/W				9.53							
对应英制尺寸 inch	0.940	1.20	0.605	0.375		1.80	0.820	0.580	0.16	0.08	1.00
CAT50-45° U	28.96	36.58	20.83		1"-8UNC	58.42	25.40	17.78	5.08	2.54	31.75
CAT50-45° U/W				11.89							
对应英制尺寸 inch	1.140	1.44	0.820	0.468		2.30	1.000	0.700	0.20	0.10	1.25
CAT60-45° U	37.08	54.36	26.54		1.25"-7UNC	81.28	38.10	27.43	7.62	3.56	38.10
CAT60-45° U/W				12.70							
对应英制尺寸 inch	1.460	2.14	1.045	0.500		3.20	1.500	1.080	0.30	0.14	1.50

国际标准拉钉 A 型 ISO 7388/2-1984 International Standard Pull Studs A Type ISO 7388/2-1984



Model	d1	d2	d3	d4	d5	d7	L1	L2	L3	L5	L6	L10	S
LDA20	9	8.5	1.4	6		M8	26	12	9	2.5	3	2	10
LDA25	10	9	12	7		M8	32	16	11.5	3.5	5	2.5	10
LDA30	12	13	16	8		M12	44	24	19	4	5	2	14
LDA30/W					4.15								
LDA40	19	17	23	14		M16	54	26	20	4	7	2	19
LDA40/W					7								
LDA45	23	21	30	17		M20	65	30	23	5	8	2	24
LDA45/W					9.5								
LDA50	28	25	36	21		M24	74	34	25	5	10	2	30
LDA50/W					11.5								
LDA60	40	32	52	30		M30	90	40	30	6	12	2	46
LDA60/W					14								

国际标准拉钉 B 型 ISO 7388/3-2013 International Standard Pull Studs B Type ISO 7388/3-2013



Model	d1	d2	d3	d4	d5	d7	L1	L2	L3	L5	L6	L10	S
LDB30	13.35	13	16.5	9.3		M12	31.8	11.8	8.15	2.75	5	2.4	13
LDB30/W					4.15								
LDB40	18.95	17	22.5	12.95		M16	44.4	16.4	11.15	3.25	7	3.5	18
LDB40/W					7.35								
LDB45	24.05	21	30	16.3		M20	55.95	20.95	14.85	4.25	8	3.85	24
LDB45/W					9.25								
LDB50	29.1	25	37	19.6		M24	65.55	25.55	17.95	5.25	10	4.85	30
LDB50/W					11.55								
LDB60	37.25	32	50	24.95		M30	88.15	38.15	27.65	7.75	12	6.75	36
LDB60/W					13.85								

SR 拉钉 SR Pull Studs Series



Model	L1	d4 h7	d5 6g	C2	r3 (最大)	L4	L7	d3 0 -0.1	r1	L5 0 -0.1	s 0 -0.2	C1
S5R	23.5	5.5	M5	0.5	0.4	3	5	8	1	2.5	7	0.2
S10R	26.5	6.5	M6	0.5	0.4	3	5	10	1.5	3	8	0.3
S15R	32	8.5	M8	1	0.5	4	6	12	1.5	3.5	10	0.4
S20R	34.5	8.5	M8	1	0.5	4	6	14	1.8	4	10	0.5
S25R	40	10.5	M10	1	0.5	4	7	15.5	2	4.5	13	0.5
Model	d1 0 -0.1	d2 0 -0.1	L2 0 -0.1	L3 0 -0.1	L6	r2	φ		L3-L5	L9	CHUCK	
							1形	2形				
S5R	5.8	4	13.5	10.5	1.4	0.3	+0.5 0 15°	+0.5° 0 0°	8	10	S5T	
S10R	7	5	15.5	12	1.6	0.3			9	11	S10T	
S15R	8.3	6	18	14	1.9	0.4			10.5	14	S15T	
S20R	9.5	7	20.5	16	2.1	0.4			12	14	S20T	
S25R	10.8	8	23	18	2.3	0.5			13.5	17	S25T	

JIS B6339 拉钉 JIS B6339 Pull Studs



Model	d1	d2	d3	d4(h6)	d5(h6)	d6	L1	L2	L3	L4	L5	SW
40P/T	19	14	23	17	M16	7	54	29	23	3	7	19
50P/T	28	21	38	25	M24	10	74	34	25	5	7	30
60P/T	36	27	48	31	M30	12	98	48	36	7	11	41

混合标准拉钉 CAT-BT Blended Standard Pull Studs CAT-BT



美制螺纹拉钉 American Standard Screw Thered Pull Stud

Model	d1	d3	d4	d5	d7	L1	L2	L3	L5	L10	L11	S	α
CAT40-45° U	15	23	10		0.625"-11UNC	57	32.15	25.15	6	4	4	19	45°
CAT40-45° U/W				4									60°
CAT40-60° U													
CAT40-60° U/W				4									
CAT40-90° U													90°
CAT40-90° U/W				4									
CAT50-45° U	23	38	17		1"-8UNC	78.22	45.2	35.2	10	5	8	30	45°
CAT50-45° U/W				8.5									60°
CAT50-60° U													
CAT50-60° U/W				8.5									
CAT50-90° U													90°
CAT50-90° U/W				8.5									

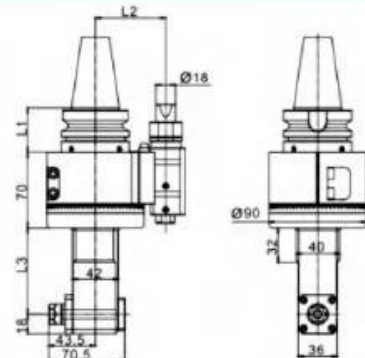
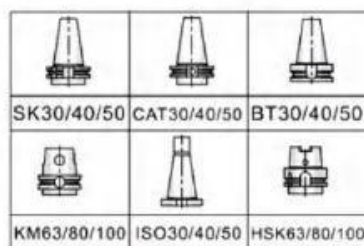
公制螺纹拉钉 Metric Screw Thread Pull Stud

Model	d1	d2	d3	d4	d5	d6	L1	L2	L3	SW	α
CAT40*45°	15	10	23	17	M16		57	32	25	19	45°
CAT40*45° /W						4					45°
CAT40*60°											60°
CAT40*60° /W						4					60°
CAT40*90°											90°
CAT40*90° /W						4					90°
对应英制尺寸 inch	0.59	0.394	0.905	0.512		0.157	2.25	1.266	0.99	0.748	

AG90-ER11



可选驱动刀柄型号: BT、NT、CAT、DAT、HSK

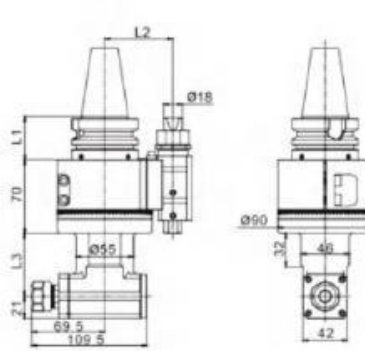
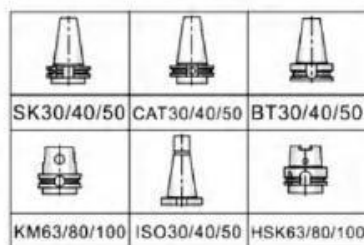


Model	输出 Output	L1	L2	L3	功率 Power	最高转速 Maximum Speed	最大扭矩 Maximum torque	转速比 Reduction ratio
AG90-ER11-80	ER11	41/48	65/80	80	1KW	4500RPM	6Nm	1:1
AG90-ER11-140	ER11	41/48	65/80	140	1KW	4500RPM	6Nm	1:1
AG90-ER11-200	ER11	41/48	65/80	200	1KW	4500RPM	6Nm	1:1

AG90-ER16



可选驱动刀柄型号: BT、NT、CAT、DAT、HSK

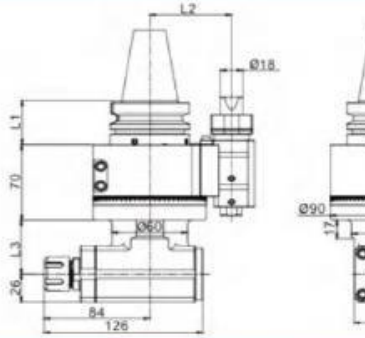
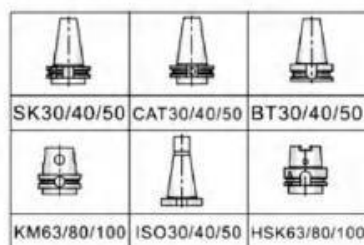


Model	输出 Output	L1	L2	L3	功率 Power	最高转速 Maximum Speed	最大扭矩 Maximum torque	转速比 Reduction ratio
AG90-ER16-60	ER16	41/48	65/80	60	1.5KW	4500RPM	12Nm	1:1
AG90-ER16-120	ER16	41/48	65/80	120	1.5KW	4500RPM	12Nm	1:1
AG90-ER16-180	ER16	41/48	65/80	180	1.5KW	4500RPM	12Nm	1:1

AG90-ER20



可选驱动刀柄型号: BT、NT、CAT、DAT、HSK

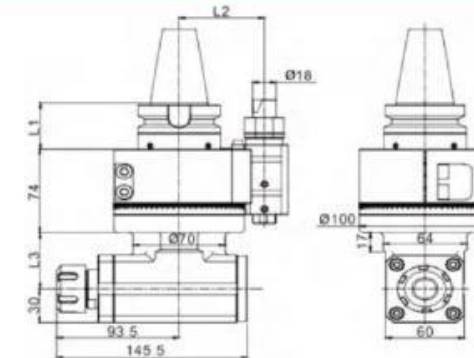
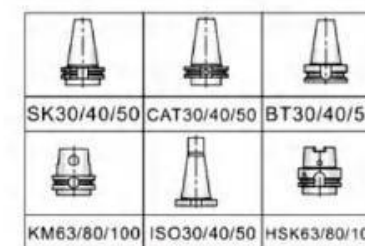


Model	输出 Output	L1	L2	L3	功率 Power	最高转速 Maximum Speed	最大扭矩 Maximum torque	转速比 Reduction ratio
AG90-ER20-50	ER20	41/48	65/80	50	2KW	4000RPM	16Nm	1:1
AG90-ER20-110	ER20	41/48	65/80	110	2KW	4000RPM	16Nm	1:1
AG90-ER20-170	ER20	41/48	65/80	170	2KW	4000RPM	16Nm	1:1

AG90-ER25



可选驱动刀柄型号: BT、NT、CAT、DAT、HSK

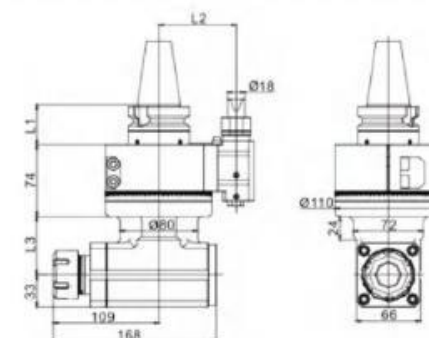
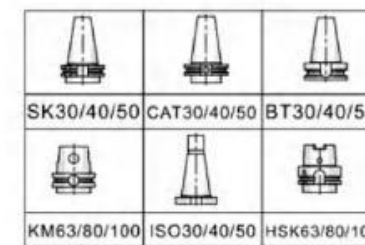


Model	输出 Output	L1	L2	L3	功率 power	最高转速 Maximum Speed	最大扭矩 Maximum torque	转速比 Reduction ratio
AG90-ER25-50	ER25	41/48	65/80	50	3KW	4000RPM	32Nm	1:1
AG90-ER25-110	ER25	41/48	65/80	110	3KW	4000RPM	32Nm	1:1
AG90-ER25-170	ER25	41/48	65/80	170	3KW	4000RPM	32Nm	1:1

AG90-ER32



可选驱动刀柄型号: BT、NT、CAT、DAT、HSK

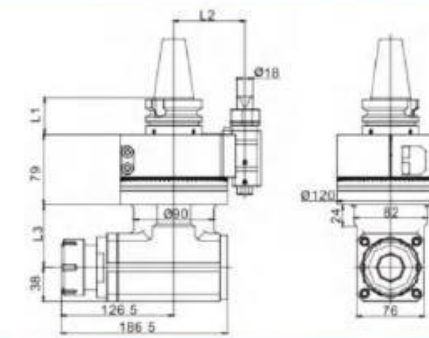
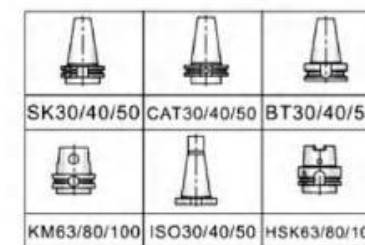


Model	输出 Output	L1	L2	L3	功率 Power	最高转速 Maximum Speed	最大扭矩 Maximum torque	转速比 Reduction ratio
AG90-ER32-60	ER32	41/48	80/110	60	4KW	3500RPM	40Nm	1:1
AG90-ER32-130	ER32	41/48	80/110	130	4KW	3500RPM	40Nm	1:1
AG90-ER32-200	ER32	41/48	80/110	200	4KW	3500RPM	40Nm	1:1

AG90-ER40



可选驱动刀柄型号: BT、NT、CAT、DAT、HSK

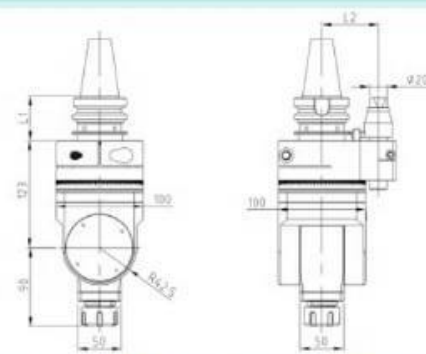
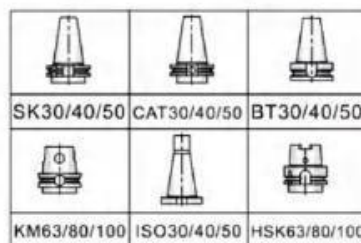


Model	输出 Output	L1	L2	L3	功率 Power	最高转速 Maximum Speed	最大扭矩 Maximum torque	转速比 Reduction ratio
AG90-ER40-70	ER40	41/48	80/110	70	6KW	3000RPM	75Nm	1:1
AG90-ER40-150	ER40	41/48	80/110	150	6KW	3000RPM	75Nm	1:1
AG90-ER40-230	ER40	41/48	80/110	230	6KW	3000RPM	75Nm	1:1

AGMU-ER25



可选驱动刀柄型号: BT、NT、CAT、DAT、HSK

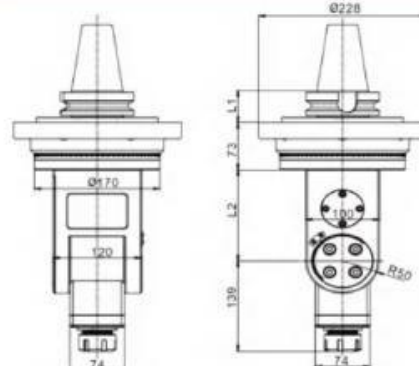
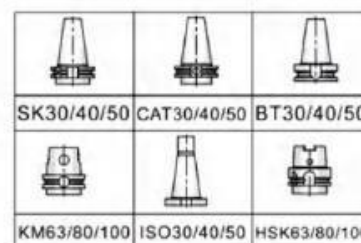


Model	输出 Output	L1	L2	功率 Power	最高转速 Maximum Speed	最大扭矩 Maximum torque	转速比 Reduction ratio
AGMU-ER25	ER25	51/58	65/80	3Kw	3500RPM	32Nm	1:1

AGU-ER32



可选驱动刀柄型号: BT、NT、CAT、DAT、HSK

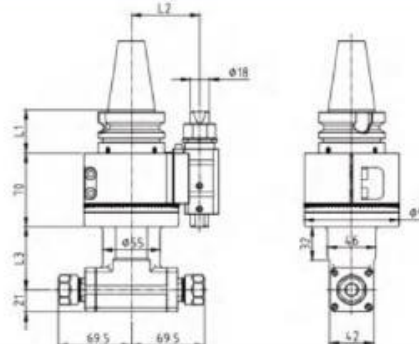
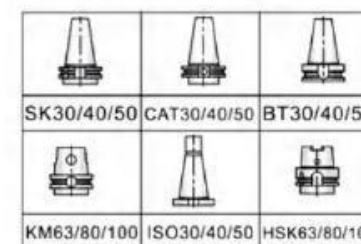


Model	输出 Output	L1	L2	L3	功率 Power	最高转速 Maximum Speed	最大扭矩 Maximum torque	转速比 Reduction ratio
AGU-ER32-140	ER32	42/49	140	60	4Kw	3500RPM	45Nm	1:1
AGU-ER32-220	ER32	42/49	220	130	4Kw	3500RPM	45Nm	1:1
AGU-ER32-300	ER32	42/49	300	200	4Kw	3500RPM	45Nm	1:1

AG90-ER16*2



可选驱动刀柄型号: BT、NT、CAT、DAT、HSK

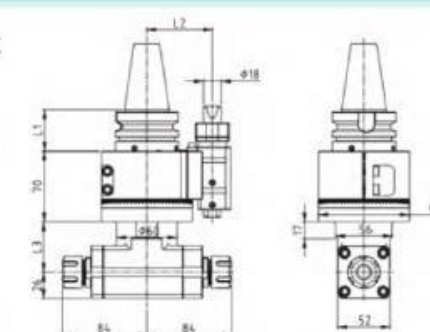
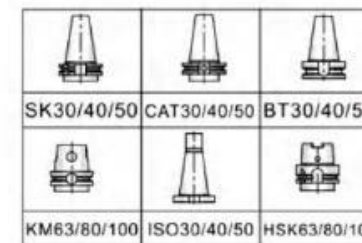


Model	输出 Output	L1	L2	L3	功率 Power	最高转速 Maximum Speed	最大扭矩 Maximum torque	转速比 Reduction ratio
AG90-ER16x2-60	ER16	41/48	65/80	60	1.5Kw	4500RPM	12Nm	1:1
AG90-ER16x2-120	ER16	41/48	65/80	120	1.5Kw	4500RPM	12Nm	1:1
AG90-ER16x2-180	ER16	41/48	65/80	180	1.5Kw	4500RPM	12Nm	1:1

AG90-ER20*2



可选驱动刀柄型号: BT、NT、CAT、DAT、HSK

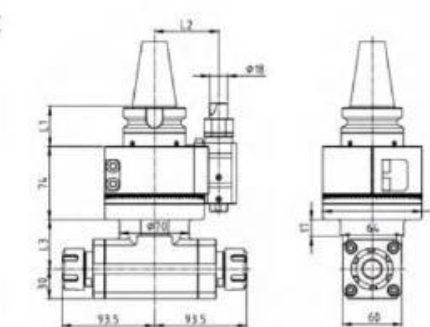
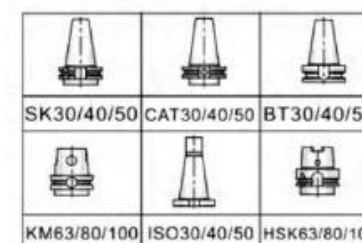


Model	输出 Output	L1	L2	L3	功率 Power	最高转速 Maximum Speed	最大扭矩 Maximum torque	转速比 Reduction ratio
AG90-ER20x2-50	ER20	41/48	65/80	50	2Kw	4500RPM	18Nm	1:1
AG90-ER20x2-110	ER20	41/48	65/80	110	2Kw	4500RPM	18Nm	1:1
AG90-ER20x2-170	ER20	41/48	65/80	170	2Kw	4500RPM	18Nm	1:1

AG90-ER25*2



可选驱动刀柄型号: BT、NT、CAT、DAT、HSK

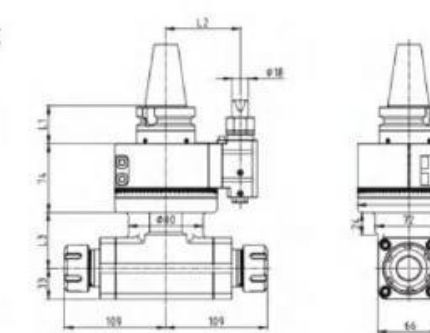
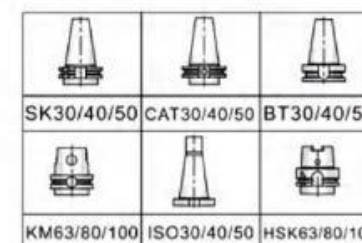


Model	输出 Output	L1	L2	L3	功率 Power	最高转速 Maximum Speed	最大扭矩 Maximum torque	转速比 Reduction ratio
AG90-ER25x2-50	ER25	41/48	65/80	50	3Kw	4500RPM	32Nm	1:1
AG90-ER25x2-120	ER25	41/48	65/80	120	3Kw	4500RPM	32Nm	1:1
AG90-ER25x2-170	ER25	41/48	65/80	170	3Kw	4500RPM	32Nm	1:1

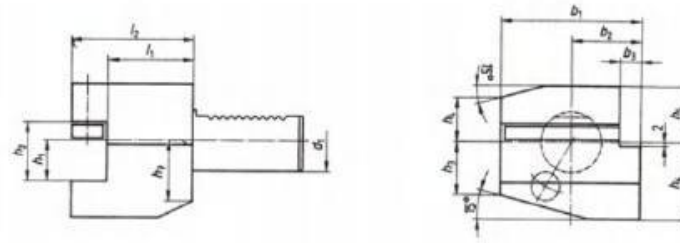
AG90-ER32*2



可选驱动刀柄型号: BT、NT、CAT、DAT、HSK

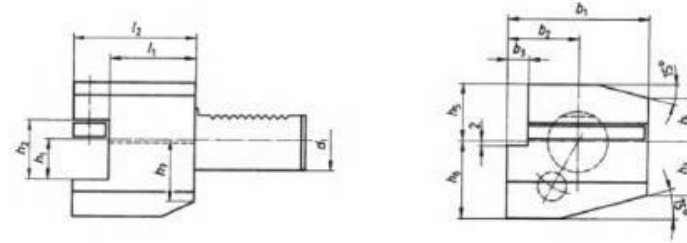


Model	输出 Output	L1	L2	L3	功率 Power	最高转速 Maximum Speed	最大扭矩 Maximum torque	转速比 Reduction ratio
AG90-ER32x2-60	ER32	41/48	80	60	4Kw	3500RPM	45Nm	1:1
AG90-ER32x2-130	ER32	41/48	80	130	4Kw	3500RPM	45Nm	1:1
AG90-ER32x2-200	ER32	41/48	80	200	4Kw	3500RPM	45Nm	1:1



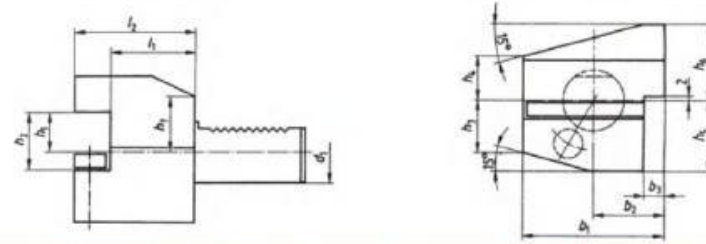
Model	d1	b1	b2	b3	h1	h2	h3	h4	h5	h6	h7	l1	l2
B1-20X16X30	20	55	30	7	16	22	19	19	25	30	23	16	30
B1-30X20X40	30	70	35	10	20	29	26	22	28	38	30	22	40
B1-40X25X44	40	85	42.5	12.5	25	34	35	30	32.5	48	—	22	44
B1-50X32X55	50	100	50	16	32	41	42	35	35	60	—	30	55
B1-60X32X60	60	125	62.5	16	32	41	46	42.5	42.5	62.5	—	30	60

VDI-B2 刀座 VDI-B2 Tool Holders

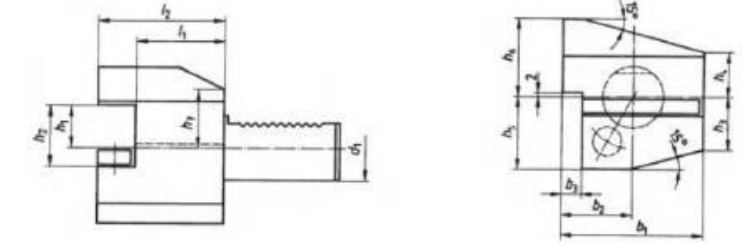


Model	d1	b1	b2	b3	h1	h2	h3	h4	h5	h6	h7	l1	l2
B2-20X16X30	20	55	30	7	16	22	19	19	25	30	23	16	30
B2-30X20X40	30	70	35	10	20	29	26	22	28	38	30	22	40
B2-40X25X44	40	85	42.5	12.5	25	34	35	30	32.5	48	—	22	44
B2-50X32X55	50	100	50	16	32	41	42	35	35	60	—	30	55
B2-60X32X60	60	125	62.5	16	32	41	46	42.5	42.5	62.5	—	30	60

VDI-B3 刀座 VDI-B3 Tool Holders

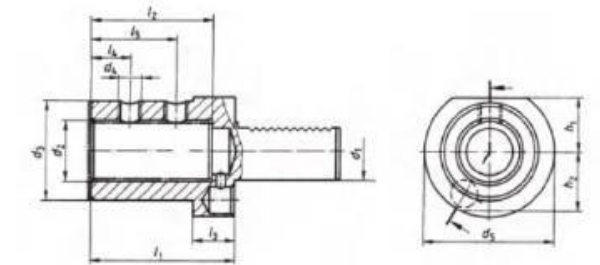


Model	d1	b1	b2	b3	h1	h2	h3	h4	h5	h6	h7	l1	l2
B3-20X16X30	20	55	30	7	16	22	19	19	25	30	23	16	30
B3-30X20X40	30	70	35	10	20	29	26	22	35	38	28	22	40
B3-40X25X44	40	85	42.5	12.5	25	34	35	30	42.5	48	—	22	44
B3-50X32X55	50	100	50	16	32	41	42	35	50	60	—	30	55
B3-60X32X60	60	125	62.5	16	32	41	46	42.5	62.5	62.5	—	30	60

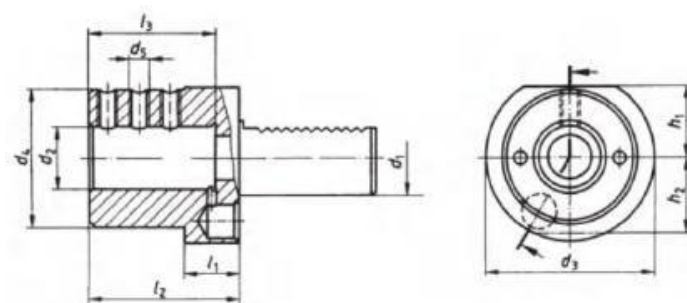


Model	d1	b1	b2	b3	h1	h2	h3	h4	h5	h6	h7	l1	l2
B4-20X16X30	20	55	30	7	16	22	19	19	25	30	23	16	30
B4-30X20X40	30	70	35	10	20	29	26	22	35	38	28	22	40
B4-40X25X44	40	85	42.5	12.5	25	34	35	30	42.5	48	—	22	44
B4-50X32X55	50	100	50	16	32	41	42	35	50	60	—	30	55
B4-60X32X60	60	125	62.5	16	32	41	46	42.5	62.5	62.5	—	30	60

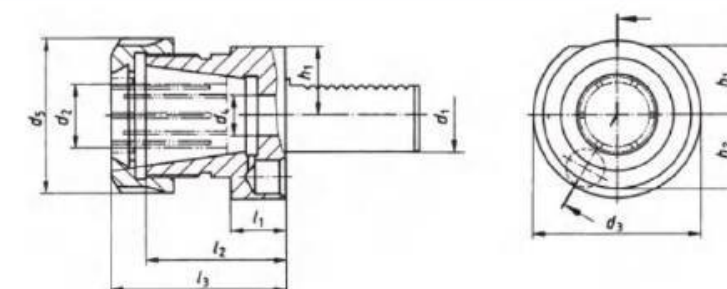
VDI-E1 刀座 VDI-E1 Tool Holders



Model	d1	d2	d3	d4	d5	h1	h2	l1	l2	l3	l4	l5
E1-20X16	20	16	36	M10x1	50	—	23	67	54	18	15	35
E1-20X20	20	20	40	M10x1	50	—	23	67	54	18	15	35
E1-20X25	20	25	45	M12x1	50	—	23	71	59	18	17	40
E1-30X16	30	16	36	M10x1	68	28	30	67	54	22	15	35
E1-30X20	30	20	40	M10x1	68	28	30	67	54	22	15	35
E1-30X25	30	25	45	M12x1	68	28	30	71	59	22	17	40
E1-30X32	30	32	52	M12x1	68	28	30	75	63	22	20	44
E1-40X16	40	16	36	M10x1	83	32.5	—	67	54	22	15	35
E1-40X20	40	20	40	M10x1	83	32.5	—	67	54	22	15	35
E1-40X25	40	25	45	M12x1	83	32.5	—	75	59	22	17	40
E1-40X32	40	32	52	M12x1	83	32.5	—	75	63	22	20	44
E1-40X40	40	40	65	M16x1	83	32.5	—	90	73	22	22	50
E1-50X20	50	20	40	M10x1	98	35	—	67	54	30	15	35
E1-50X25	50	25	45	M12x1	98	35	—	80	59	30	17	40
E1-50X32	50	32	52	M12x1	98	35	—	80	63	30	20	44
E1-50X40	50	40	65	M16x1	98	35	—	90	73	30	22	50
E1-50X50	50	50	75	M16x1	98	35	—	100	83	30	24	60
E1-60X20	60	20	40	M10x1	123	42.5	—	80	54	30	15	35
E1-60X25	60	25	45	M12x1	123	42.5	—	80	59	30	17	40
E1-60X32	60	32	52	M12x1	123	42.5	—	80	63	30	20	44
E1-60X40	60	40	65	M16x1	123	42.5	—	90	73	30	22	50
E1-60X50	60	50	75	M16x1	123	42.5	—	100	83	30	24	60

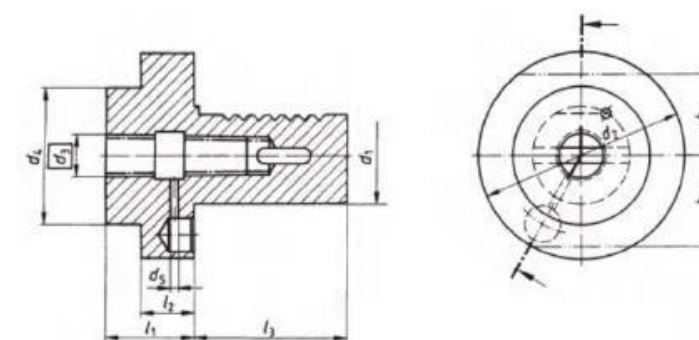


Model	d1	d2	d3	d4	d5	h1	h2	l1	l2	l3
E2-16X8	16	8	40	32	M6	18	18	13	44	34
E2-16X10	16	10	40	32	M6	18	18	13	44	34
E2-16X12	16	12	40	40	M8	18	18	13	44	34
E2-16X16	16	16	40	40	M8	18	18	13	44	34
E2-20X8	20	8	50	40	M6	—	23	18	50	41
E2-20X10	20	10	50	40	M6	—	23	18	50	41
E2-20X12	20	12	50	40	M8	—	23	18	50	41
E2-20X16	20	16	50	40	M8	—	23	18	50	41
E2-20X20	20	20	50	50	M8	—	23	18	50	41
E2-20X25	20	25	50	50	M8	—	23	18	60	51
E2-30X10	30	10	68	55	M6	28	30	22	60	51
E2-30X12	30	12	68	55	M8	28	30	22	60	51
E2-30X16	30	16	68	55	M8	28	30	22	60	51
E2-30X20	30	20	68	55	M8	28	30	22	60	51
E2-30X25	30	25	68	55	M8	28	30	22	60	51
E2-30X32	30	32	68	68	M8	28	30	22	75	61
E2-40X12	40	12	83	55	M8	32.5	—	22	75	61
E2-40X16	40	16	83	55	M10	32.5	—	22	75	61
E2-40X20	40	20	83	55	M10	32.5	—	22	75	61
E2-40X25	40	25	83	55	M10	32.5	—	22	75	61
E2-40X32	40	32	83	83	M10	32.5	—	22	75	61
E2-40X40	40	40	83	83	M10	32.5	—	22	90	76
E2-50X12	50	12	98	68	M10	35	—	30	90	76
E2-50X16	50	16	98	68	M10	35	—	30	90	76
E2-50X20	50	20	98	68	M12	35	—	30	90	76
E2-50X25	50	25	98	68	M12	35	—	30	90	76
E2-50X32	50	32	98	68	M12	35	—	30	90	76
E2-50X40	50	40	98	98	M12	35	—	30	90	76
E2-50X50	50	50	98	98	M12	35	—	30	100	86



Model	d1	ER Collet	d2	d3	d4	d5	h1	h2	l1	l2	l3
E4-16X20	16	ER20	1 ~ 13	40	6.7	35	18	18	13	32	44
E4-20X25	20	ER25	2 ~ 16	50	9	42	—	23	18	38	50
E4-20X32	20	ER32	3 ~ 20	50	9	50	—	23	18	49.5	62
E4-30X25	30	ER25	2 ~ 16	68	16.5	42	28	30	22	45	57
E4-30X40	30	ER40	3 ~ 26	68	16.5	63	28	30	22	56	70
E4-40X32	40	ER32	3 ~ 20	83	20.5	50	32.5	—	22	49.5	62
E4-40X40	40	ER40	3 ~ 26	83	20.5	63	32.5	—	22	61	75
E4-50X40	50	ER40	3 ~ 26	98	25.5	63	35	—	30	61	75
E4-60X40	60	ER40	3 ~ 26	123	28.5	63	42.5	—	30	61	75

VDI-F 刀座 VDI-F Tool Holders

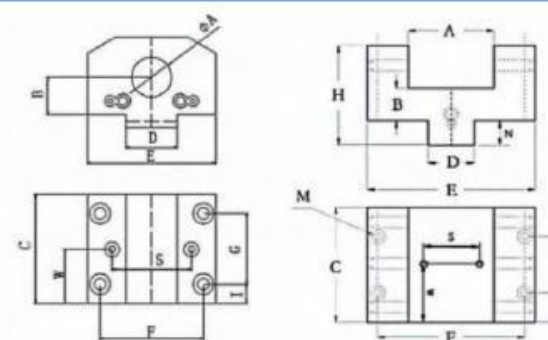


Model	d1	MT	d2	d3	d4	d5	h1	h2	l1	l2	l3
F-20XMS1	20	1	50	12.065	—	—	—	23	23	—	40
F-25XMS1	25	1	58	12.065	—	—	25	25	23	—	48
F-25XMS2	25	2	58	17.780	—	5	25	25	27	—	48
F-30XMS1	30	1	68	12.065	—	—	28	30	27	—	55
F-30XMS2	30	2	68	17.780	—	5	28	30	27	—	55
F-40XMS2	40	2	83	17.780	55	5	32.5	—	36	22	63
F-40XMS3	40	3	83	23.825	58	6	32.5	—	36	22	63
F-40XMS4	40	4	83	31.267	68	7	32.5	—	80	22	63
F-50XMS2	50	2	98	17.780	55	5	35	—	36	30	78
F-50XMS3	50	3	98	23.825	58	6	35	—	36	30	78
F-50XMS4	50	4	98	31.267	68	7	35	—	50	30	78
F-60XMS3	60	3	123	23.825	58	6	42.5	—	36	30	94
F-60XMS4	60	4	123	31.267	68	7	42.5	—	50	30	94
F-60XMS5	60	5	123	44.399	98	7	42.5	—	63	30	94



Model	H	D	L
SBHA20-32-140L(抱紧式 Tight-hold)	20	32	140
SBHA25-20-100L(抱紧式 Tight-hold)	25	20	100
SBHA25-25-100L(抱紧式 Tight-hold)	25	25	100
SBHA25-32-140L(抱紧式 Tight-hold)	25	32	140
SBHA25-40-120L(抱紧式 Tight-hold)	25	40	120
SBHA25-40-160L(抱紧式 Tight-hold)	25	40	160
SBHA25-50-140L(抱紧式 Tight-hold)	25	50	140
SBHA25-50-200L(抱紧式 Tight-hold)	25	50	200
SBHA25-60-200L(抱紧式 Tight-hold)	25	60	200
SBHA32-20-80L(抱紧式 Tight-hold)	32	20	80
SBHA32-25-120L(抱紧式 Tight-hold)	32	25	120
SBHA32-32-150L(抱紧式 Tight-hold)	32	32	150
SBHA32-40-120L(抱紧式 Tight-hold)	32	40	120
SBHA32-40-160L(抱紧式 Tight-hold)	32	40	160
SBHA32-50-140L(抱紧式 Tight-hold)	32	50	140
SBHA32-50-200L(抱紧式 Tight-hold)	32	50	200
SBHA32-60-180L(抱紧式 Tight-hold)	32	60	180
SBHA40-40-160L(抱紧式 Tight-hold)	40	40	160
SBHA40-50-210L(抱紧式 Tight-hold)	40	50	210
SBHA40-60-180L(抱紧式 Tight-hold)	40	60	180
SBHA40-60-200L(抱紧式 Tight-hold)	40	60	200

适用于钨钢阻尼刀杆 Suitable for tungsten steel damping tool bar



镗孔刀座: 装 U 钻、锥柄麻花钻、延长杆、铣刀杆、内孔刀杆、直柄刀具、车床导套等。
 端面刀座: 方刀杆等。
 Boring tool holder: U drill, taper shank twist drill, extension rod, milling cutter rod, inner hole cutter rod, straight shank cutter, lathe guide sleeve, etc.
 End face cutter block: square cutter bar, etc.

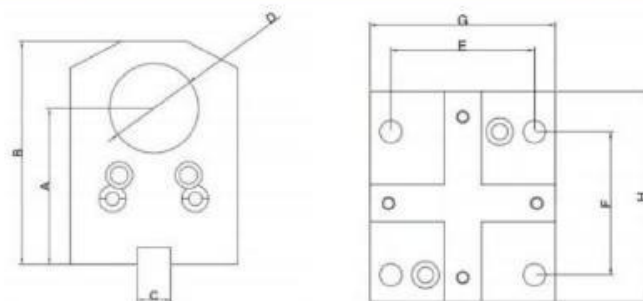


车床辅助刀座 Lathe Auxiliary Holders



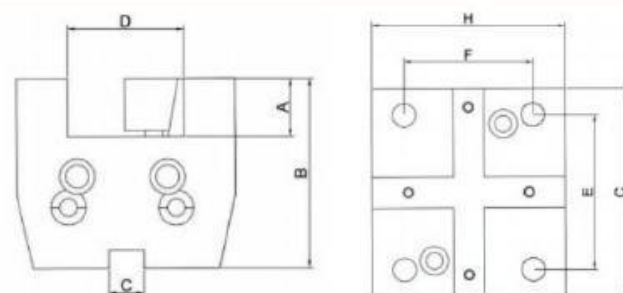
Model	H1	L1	D	H	L
SBHA12-20	12	15	20	35	65
SBHA16-16	16	20	16	44	65
SBHA16-20	16	20	20	44	65
SBHA16-25	16	20	25	44	65
SBHA20-16	20	20	16	47	65
SBHA20-20	20	20	20	47	65
SBHA20-25	20	20	25	47	65
SBHA20-32	20	20	32	57	80
SBHA20-40	20	20	40	65	90
SBHA25-16	25	25	16	53	70
SBHA25-20	25	25	20	53	70
SBHA25-25	25	25	25	53	70

Model	H1	L1	D	H	L
SBHA25-32	25	25	32	60	80
SBHA25-40	25	25	40	67	90
SBHA25-50-120	25	32	50	83	120
SBHA32-20	32	32	20	67	90
SBHA32-25	32	32	25	67	90
SBHA32-32	32	32	32	66	90
SBHA32-40	32	32	40	75	100
SBHA32-40-125	32	32	40	75	125
SBHA32-50-120	32	32	50	83	120
SBHA40-40	40	40	40	90	130
SBHA40-50	40	40	50	93	130
SBHA40-60	40	40	60	95	180



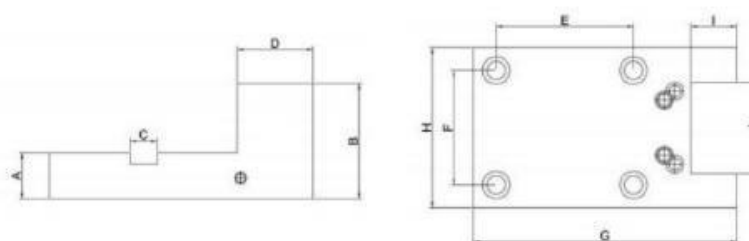
Model	A	B	C	D	E	F	G	H
B402560	60	83	12	25	50	60	94	63
B402585	85	108	12	25	50	60	94	63
B403260	60	83	12	32	50	60	94	63
B453265	65	88	15	32	58	58	95	75
B554060	60	97	15	40	64	64	105	86
B554085	85	115	15	40	64	65	105	86
B654080	80	110	18	40	73	70	120	98
B6550100	100	130	18	50	73	70	120	98
B756090	90	130	25	60	90	90	126	112

端面固定刀座 BMT Series End Face Fixed Tool Holder

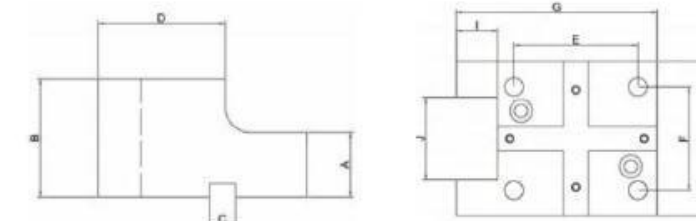


Model	A	B	C	D	E	F	G	H
F402045	20	65	12	40	60	50	81	75
F452560	25	85	15	50	58	58	86	90
F552560	25	85	15	50	64	64	95	95
F652575	25	100	18	50	70	73	110	98
F6532100	32	100	18	64	70	73	110	98
F7540115	40	115	25	80	90	90	126	130

反向外径固定刀座 BMT Series Reverse Outer Diameter Fixed Tool Holders

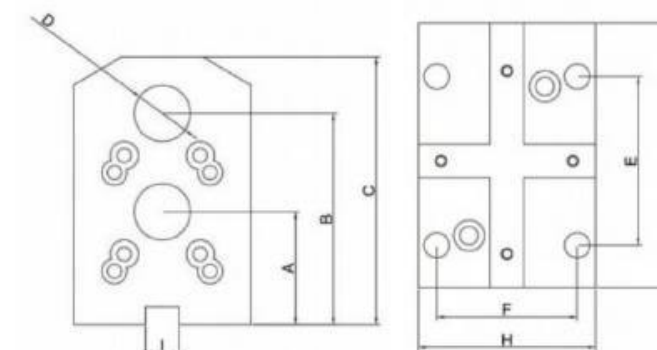


Model	A	B	C	D	E	F	G	H	I	J
C452566-FX	38	66	15	42	58	58	128	75	25	50
C552566-FX	30	66	15	48	64	64	145	88	25	50



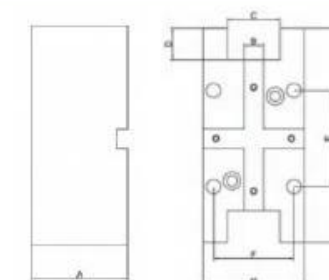
Model	A	B	C	D	E	F	G	H	I	J
C402055	30	55	12	58.5	60	50	97	75	20	40
C452580	40	80	15	67	58	58	110	85	25	50
C552580	40	80	15	70	64	64	120	95	25	50
C652580	40	80	18	70	70	73	130	98	25	50
C6532100	40	100	18	77.5	70	73	137.5	98	32	64
C7540100	40	100	25	85	90	90	157	130	40	80

直双孔固定刀座 BMT Series Straight Double Hole Fixed Tool Holders

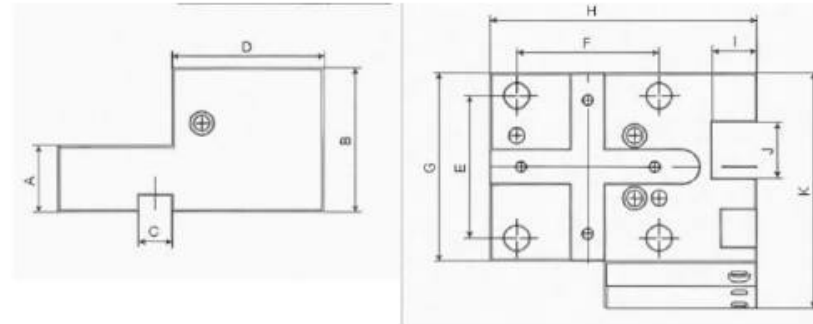


Model	A	B	C	D	E	F	G	H	I
B45-S20-40/75	40	75	95	20	60	50	94	63	12
B45-S20-60/110	60	110	130	20	58	58	95	75	15
B55-S25-65/110	65	110	127	25	64	64	85	86	15
B55-S25-95/135	95	135	151	25	64	64	105	86	15
B65-S25-65/110	65	110	127	25	70	73	120	98	18

双侧外径固定刀座 BMT Series Double Side Diameter Fixed Tool Holders

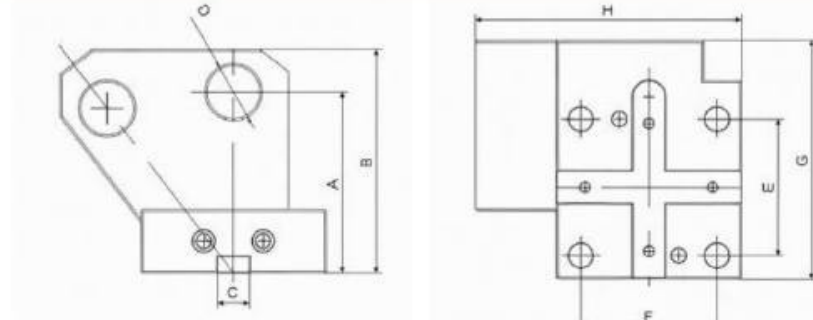


Model	A	B	C	D	E	F	G	H
SC452580	80	15	50	25	58	58	141	85
SC552580	80	15	50	25	64	64	151	88



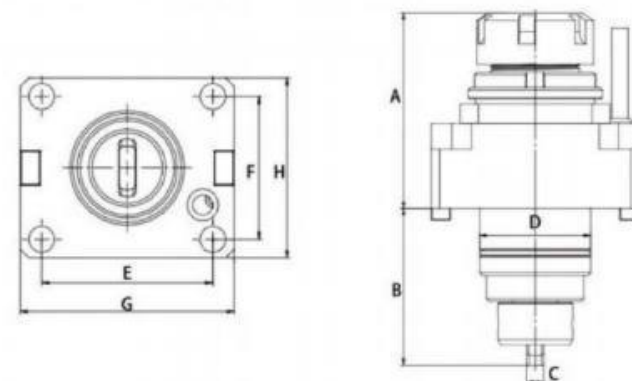
Model	A	B	C	D	E	F	G	H	I	J	K
C45-S20-70	32.5	70	15	72	58	58	75	130	20	20	108.1
C55-S20-65	30	65	15	68.5	64	64	85	120	25	40	106.2

斜双内孔固定刀座
BMT Series Angled Double Inner Hole Fixed Tool Holders

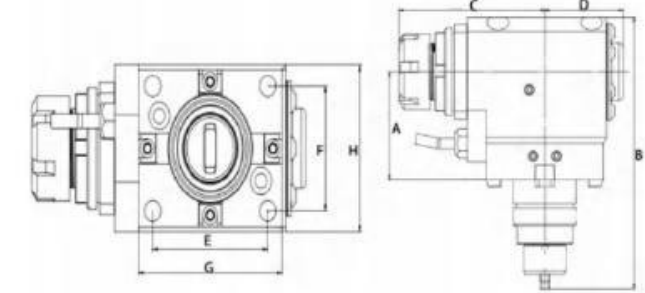


Model	A	B	C	D	E	F	G	H
B45-S25-85	85	105	15	25	58	58	105	120.2
B55-S25-85	85	105	15	25	64	64	112	125

0° BMT 动力刀座 0° BMT Power Tool Holders

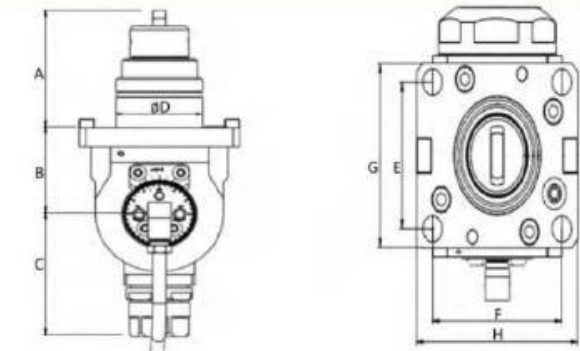


Model	A	B	C	D	E	F	G	H
BMT40-0-ER25	76	61	6	40	60	50	75	63
BMT45-0-ER25	86.5	83	6	45	58	58	85	75
BMT55-0-ER32	82.5	103.5	8	55	64	64	85	85
BMT65-0-ER40	95.4	111	10	65	73	70	94	94



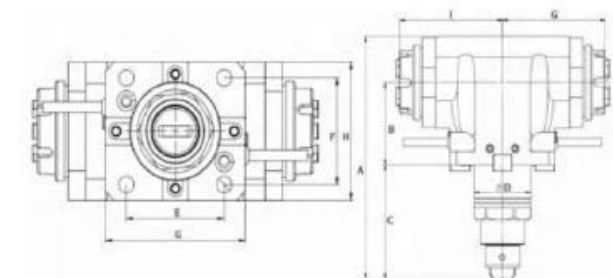
Model	A	B	C	D	E	F	G	H
BMT40-90-ER25	60	151.5	93.3	50	60	50	75	67
BMT40-90-ER25-85	85	176.5	93.3	50	60	50	75	67
BMT45-90-ER25	60	173	96	64	58	58	83	75
BMT55-90-ER32	60	201.5	102.5	54	64	64	83	85
BMT55-90-ER32-85	85	224.5	102.5	54	64	64	83	85
BMT65-90-ER40	72	225	112	56.5	70	73	94	94
BMT65-90-ER40-100	100	250	112	56.5	70	73	94	94
BMT65-90-ER40-125	125	275	112	56.5	70	73	94	94

BMT 万向动力刀座 BMT Universal Power Tool Holders



Model	A	B	C	D	E	F	G	H
BMT40-ER16	61	45	64	40	50	60	63	75
BMT45-ER20	83	45	81.5	45	58	58	75	80
BMT55-ER20	103.5	55	81	55	64	64	85	85
BMT65-ER25	111	65	84.5	65	73	70	98	98

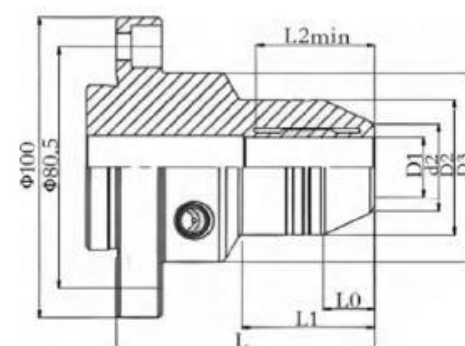
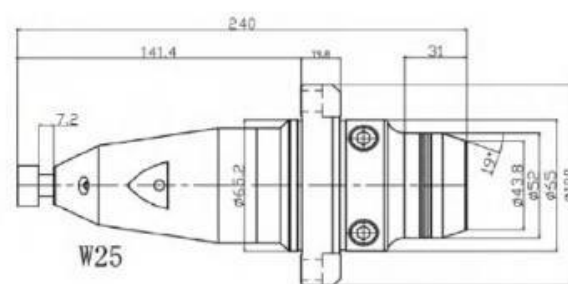
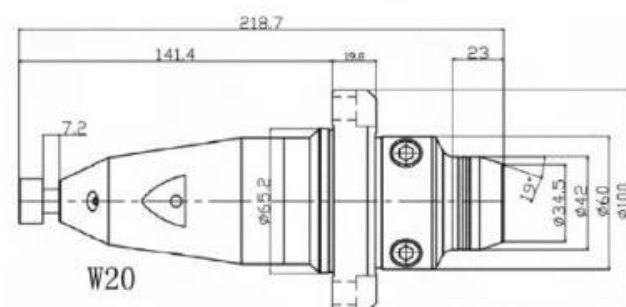
BMT 双向动力刀座 BMT Bidirectional Power Tool Holders



Model	A	B	C	D	E	F	G	H	I	J
BMT40-90-ER20*2	151.5	60	61	40	60	50	75	63	78.8	78.8
BMT45-90-ER25*2	176.5	60	83	45	58	58	83	75	81.5	81.5

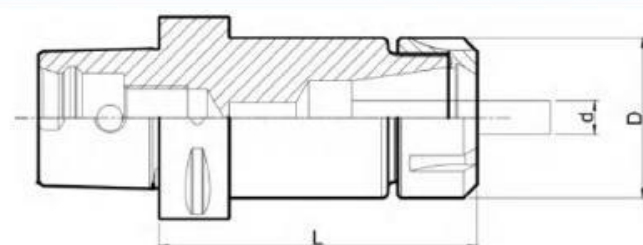


以下提供 W20 和 W25 供您选择
W20 & W25 as below for your choice

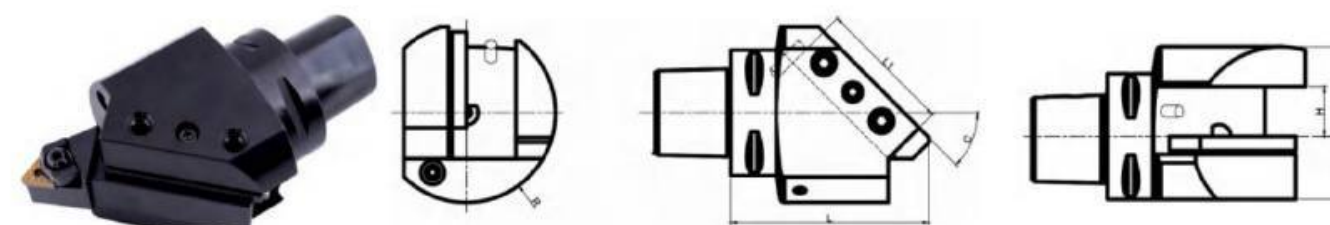


Model	D1	d2	D2	D3	L	L0	L1	L2min	L2max
TJ12	12	21	37	63	86	17	42	36	—
TJ20	20	29	45	63	86	17	45	39	—
TJ32	32	43	57	64.5	86	15	48	43	—

ER 筒夹刀柄 - Capto 柄 ER Collet Holder - Capto Shanks

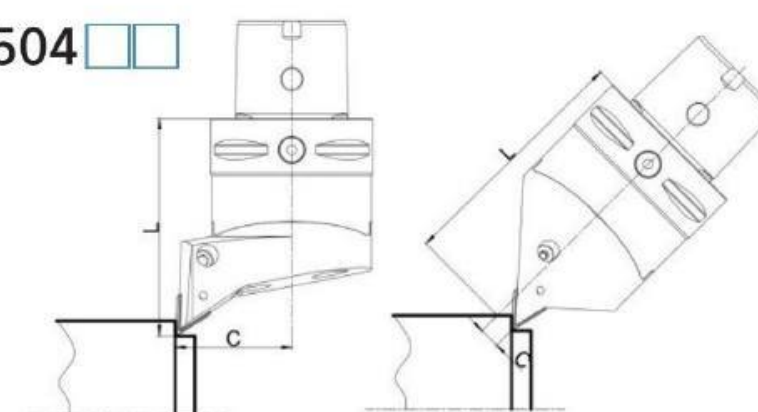


Model	L	D	夹持范围 Ød Clamping range	重量 (Kg) Weight
C6-ER16-100	100	30	0.5-10	1.3
C6-ER20-100	100	35	1.0-13	1.4
C6-ER25-100	100	42	1.0-16	1.5
C6-ER32-100	100	50	2.0-20	1.7
C6-ER32-150	150	50	2.0-20	2.4
C6-ER40-100	100	63	3.0-26	1.8
C6-ER40-150	150	63	3.0-26	2.8

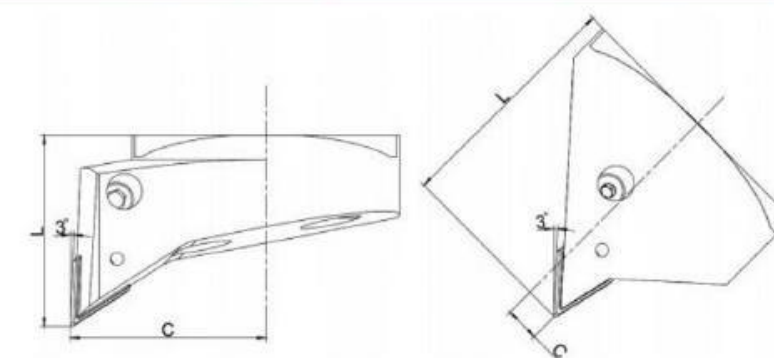


Model	L	L1	H	H1	H2	R	C	重量 (Kg)Weight
C5-ETN2020R-100	100	66	20	25	36	36	45°	1.9
C5-ETN1"x1"R-4.5"	4.5"	2.75"	1"	1.25"	1.75"	1.75"	45°	1.9
C6-ETN2525R-100	100	80	25	31.5	45	45	45°	2.7
C6-ETN1"x1"R-4.5"	4.5"	2.75"	1"	1.25"	1.75"	1.75"	45°	2.7

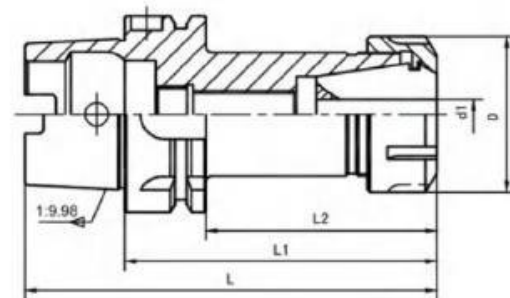
Capto 模组化外径车刀座 Capto Turning Holder With Hinterchangeable Head

DN 1504 

Model	C	L	刀柄型号 Shank Model	刀頭型号 Head Type	重量 (Kg) Weight
C5-PDJNR-FX15-DX	45	85	C5-DXCDB-40	PDJNR-4545-15-DX	1.4
C6-PDJNR-FX15-DX	45	85	C6-DXCDB-40		2.2
C5-PDJNR-K15-DX	45	125	C5-DXCDB-80		1.6
C6-PDJNR-K15-DX	45	125	C6-DXCDB-80		2.5
C5-PDJNR-GX15-CX	8	95	C5-DXCDB-40	PDJNR-0855-15-CX	1.4
C6-PDJNR-GX15-CX	8	95	C6-DXCDB-40		2.2
C5-PDJNR-KXX15-CX	8	135	C5-DXCDB-80		1.6
C6-PDJNR-KXX15-CX	8	135	C6-DXCDB-80		2.5

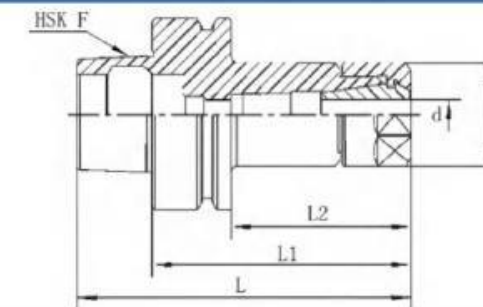


Model	C	L	L 型勾 Lever	锁紧螺丝 Lock Screw	垫片 Shim	C 型环 C shaped washer	扳手 Wrench
PDJNR-4545-15-DX	45	45	174.3-847	174.3-821	171.35-851	174.3-861	L3
PDJNR-0855-15-CX	8	55					



- 装入筒夹和更换刀具，必须把螺帽和本体螺纹清理干净，并添加润滑油，否则会造成螺纹损坏
- 装置时筒夹必须先装入螺帽，再装入刀具，接着锁紧本体
- 刀具置入筒夹内孔，必需超出筒夹有效夹持长度，避免不当锁紧，造成损坏
- A collet and replacement of cutting tools, screw nut and body must be clean, and add grease, Otherwise it will cause damage to the thread
- The device must be placed when the collet nut, and then into the tool, then the lock body
- The placement tool collet hole, clamping collet must exceed effective length, to avoid improper locking dama

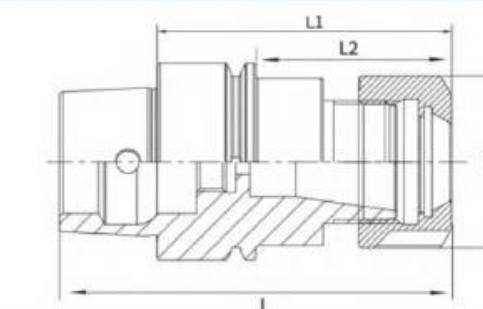
Model		L	L1	L2	D	d1	
HSK63A	ER16-80	107	80	49	28	1 ~ 10	
	ER16-100	132	100	74	28	1 ~ 10	
	ER16-130	162	130	104	28	1 ~ 10	
	ER16-160	192	160	134	28	1 ~ 10	
	ER20-80	107	80	49	34	1 ~ 13	
	ER20-100	132	100	74	34	1 ~ 13	
	ER20-130	162	130	104	34	1 ~ 13	
	ER20-160	192	160	134	34	1 ~ 13	
	ER25-80	107	80	49	42	3 ~ 16	
	ER25-100	132	100	74	42	3 ~ 16	
	ER25-130	162	130	104	42	3 ~ 16	
	ER25-160	192	160	134	42	3 ~ 16	
	ER32-80	107	80	49	50	3 ~ 20	
	ER32-100	132	100	74	50	3 ~ 20	
	ER32-130	162	130	104	50	3 ~ 20	
	ER32-160	192	160	134	50	3 ~ 20	
	ER40-120	152	120	94	63	3 ~ 26	
	ER40-160	192	160	134	63	3 ~ 26	
	HSK100A	ER16-100	150	100	71	28	1 ~ 10
		ER16-160	210	160	131	28	1 ~ 10
ER20-100		150	100	71	34	1 ~ 13	
ER20-160		210	160	131	34	1 ~ 13	
ER25-100		150	100	71	42	3 ~ 16	
ER25-160		210	160	131	42	3 ~ 16	
ER32-100		150	100	71	50	3 ~ 20	
ER32-160		210	160	131	50	3 ~ 20	
ER40-100		150	100	71	63	3 ~ 26	
ER40-160		210	160	131	63	3 ~ 26	



- 装入筒夹和更换刀具，必须把螺帽和本体螺纹清理干净，并添加润滑油，否则会造成螺纹损坏
- 装置时筒夹必须先装入螺帽，再装入刀具，接着锁紧本体
- 刀具置入筒夹内孔，必需超出筒夹有效夹持长度，避免不当锁紧，造成损坏
- A collet and replacement of cutting tools, screw nut and body must be clean, and add grease, Otherwise it will ause damage to the thread
- The device must be placed when the collet nut, and then into the tool, then the lock body
- The placement tool collet hole, clamping collet must exceed effective length, to avoid improper locking dama

Model		L	L1	L2	D	d
HSK63F	ER16-75	100	75	49	28	1 ~ 10
	ER16-100	125	100	74	28	1 ~ 10
	ER20-75	100	75	49	34	1 ~ 13
	ER20-100	125	100	74	34	1 ~ 13
	ER25-75	100	75	49	42	3 ~ 16
	ER25-100	125	100	74	42	3 ~ 16
	ER32-80	105	80	54	50	3 ~ 20
	ER32-100	125	100	74	50	3 ~ 20
	ER40-80	105	80	54	63	3 ~ 26
	ER40-100	125	100	74	63	3 ~ 26

HSK-GER 不锈钢刀柄 HSK-GER Stainless Steel Tool Holders



- 装入筒夹和更换刀具，必须把螺帽和本体螺纹清理干净，并添加润滑油，否则会造成螺纹损坏
- 装置时筒夹必须先装入螺帽，再装入刀具，接着锁紧本体
- 刀具置入筒夹内孔，必需超出筒夹有效夹持长度，避免不当锁紧，造成损坏
- A collet and replacement of cutting tools, screw nut and body must be clean, and add grease, Otherwise it will ause damage to the thread
- The device must be placed when the collet nut, and then into the tool, then the lock body
- The placement tool collet hole, clamping collet must exceed effective length, to avoid improper locking dama

Model		L	L1	L2	D	Clamping Range
HSK32E	GER16	66	50	30	27.5	1-10
	GER20	66	50	30	30.5	1-13
HSK40E	GER16	85	65	45	27.5	1-10
	GER20	85	65	45	30.5	1-13
	GER25	90	70	50	30.5	1-16
HSK50E	GER16	95	70	44	27.5	1-10
	GER20	95	70	44	30.5	1-13
	GER25	95	70	44	35.5	3-16



- 装入筒夹和更换刀具，必须把螺帽和本体螺纹清理干净，并添加润滑油，否则会造或螺纹损坏
- 全圆无偏心螺帽设计，噪音低，风阻小，适合高速
- Into the collet and replacement of cutting tools, must clean up the thread of nut and ontology, and add grease, otherwise it will cause damage to the screw thread
- Full circle - no eccentric nut design, low noise, small wind resistance, suitable for high speed

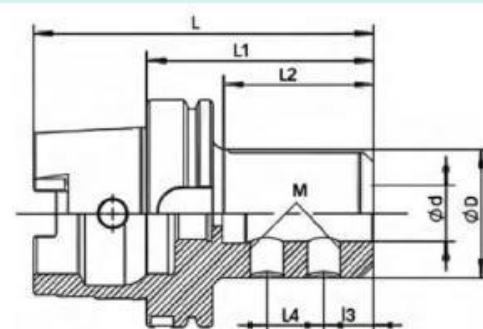
Model		L	L1	L2	D	d (夹持范围)
HSK63A	GER16-75	102	75	49	27.5	1 ~ 10
	GER16-100	132	100	74	27.5	1 ~ 10
	GER16-130	162	130	104	27.5	1 ~ 10
	GER16-160	192	160	134	27.5	1 ~ 10
	GER20-75	102	75	49	30.5	1 ~ 13
	GER20-100	132	100	74	30.5	1 ~ 13
	GER20-130	162	130	104	30.5	1 ~ 13
	GER20-160	192	160	134	30.5	1 ~ 13
	GER25-75	102	75	49	35.5	3 ~ 16
	GER25-100	132	100	74	35.5	3 ~ 16
	GER25-130	162	130	104	35.5	3 ~ 16
	GER25-160	192	160	134	35.5	3 ~ 16
HSK32E	GER32-75	102	75	49	48.5	3 ~ 20
	GER32-100	132	100	74	48.5	3 ~ 20
	GER32-130	162	130	104	48.5	3 ~ 20
	GER32-160	192	160	134	48.5	3 ~ 20
HSK40E	GER16-50	66	50	30	27.5	1 ~ 10
	GER20-50	66	50	30	30.5	1 ~ 13
HSK50E	GER16-65	85	65	45	27.5	1 ~ 10
	GER20-65	85	65	45	30.5	1 ~ 13
	GER25-70	90	70	50	35.5	3 ~ 16
HSK50E	GER16-70	95	70	44	27.5	1 ~ 10
	GER20-70	95	70	44	30.5	1 ~ 13
	GER25-70	95	70	44	35.5	3 ~ 16

HSK-A-SLN 数控刀柄 HSK-A-SLN Tool Holders



- 夹持孔径公差 H5
- Φ20 以内一只锁固螺钉，Φ25 以上两只锁固螺钉

- The clamping hole tolerance H5
- With less than 20 mm a locking screw, with a diameter of 25 mm above two locking screw



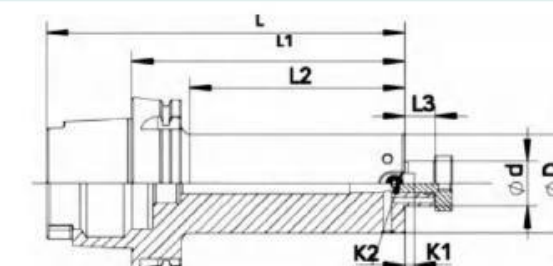
Model	L	L1	L2	L3	L4	d	D	M
HSK63A	SLN6-65	97	65	36	18	-	6	M6
	SLN8-65	97	65	36	18	-	8	M8
	SLN10-65	97	65	36	20	-	10	M10
	SLN12-80	112	80	51	22	-	12	M12
	SLN14-80	112	80	51	20	20	14	M12
	SLN14-100	132	100	71	20	20	14	M12
	SLN16-80	112	80	52	20	20	16	M12
	SLN16-100	132	100	72	20	20	16	M12
	SLN18-80	112	80	54	20	20	18	M12
	SLN18-100	132	100	74	20	20	18	M12
	SLN20-80	112	80	54	20	25	20	M16
	SLN20-100	132	100	74	20	25	20	M16
	SLN25-110	142	110	84	22	25	25	M16
	SLN25-160	192	160	134	22	25	25	M16
	SLN32-110	142	110	84	22	25	32	M16
	SLN32-160	192	160	134	22	25	32	M16
	SLN40-125	157	125	99	25	32	40	M16

Model	L	L1	L2	L3	L4	d	D	M
HSK100A	SLN16-100	150	100	66	20	20	16	M12
	SLN16-160	210	160	126	20	20	16	M12
	SLN18-100	150	100	66	20	20	18	M12
	SLN18-160	210	160	126	20	20	18	M12
	SLN20-100	150	100	66	20	25	20	M16
	SLN20-160	210	160	126	20	25	20	M16
	SLN25-100	150	100	66	22	25	25	M16
	SLN25-160	210	160	126	22	25	25	M16
	SLN32-100	150	100	66	22	25	32	M16
	SLN32-160	210	160	126	22	25	32	M16
	SLN40-115	165	115	82	25	32	40	M16
	SLN40-160	210	160	127	25	32	40	M16
	SLN50-120	170	120	91	30	35	50	M20
	SLN50-160	210	160	131	30	35	50	M20

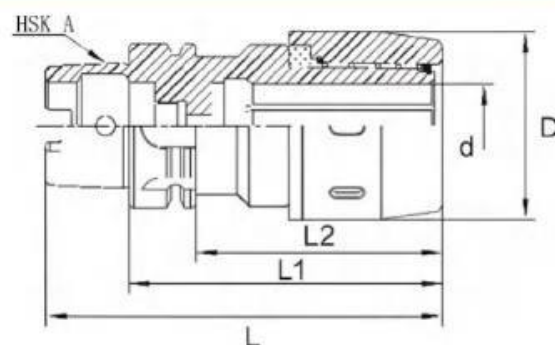
HSK-A-FMB 数控刀柄 HSK-A-FMB Tool Holders



- 平面铣刀配合部位 (d) 轴系公差 h6
- The face milling cutter with parts (d) shaft tolerance h6



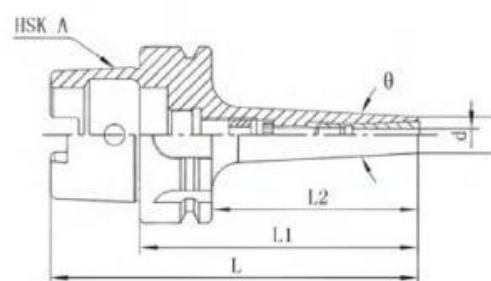
Model	L	L1	L2	L3	d	D	K1	K2
HSK63A	FMB16C-50	99	50	21	16	16	3.8	8
	FMB16C-100	149	100	71	16	16	3.8	8
	FMB22C-50	100	50	22	18	22	4.8	10
	FMB22C-100	150	100	72	18	22	4.8	10
	FMB22C-160	210	160	132	18	22	4.8	10
	FMB22C-200	250	200	172	18	22	4.8	10
	FMB27C-60	112	60	34	20	27	5.8	12
	FMB27C-100	152	100	74	20	27	5.8	12
	FMB32C-60	114	60	34	22	32	6.8	14
	FMB32C-100	154	100	74	22	32	6.8	14
	FMB40C-60	117	60	34	25	40	8.3	16
	FMB40C-100	157	100	74	25	40	8.3	16
HSK100A	FMB16C-100	167	100	66	17	16	3.8	8
	FMB16C-160	227	160	126	17	16	3.8	8
	FMB22C-60-D48	110	60	26	18	22	4.8	10
	FMB22C-100-D48	150	100	66	18	22	4.8	10
	FMB22C-160-D48	210	160	126	18	22	4.8	10
	FMB22C-200-D48	250	200	166	18	22	4.8	10
	FMB22C-160-D60	210	160	126	18	22	4.8	10
	FMB22C-200-D60	250	200	166	18	22	4.8	10
	FMB27C-100	170	100	66	20	27	5.8	12
	FMB27C-160	230	160	126	20	27	5.8	12
	FMB32C-100	172	100	66	22	32	6.8	14
	FMB32C-160	232	160	126	22	32	6.8	14
HSK100A	FMB40C-100	175	100	66	25	40	8.3	16
	FMB40C-160	235	160	126	25	40	8.3	16



- 刀柄夹持孔6槽设计,防止滑动,增大夹持力
- 螺帽外表均匀一致,降低风阻,适合高速
- Handle clamping hole 6 to prevent sliding groove design increases the blessing
- The appearance of nut uniformity, reduce wind resistance, suitable for high speed

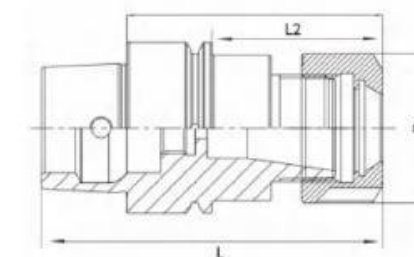
	Model	L	L1	L2	D	d
HSK63A	C32-105	152	105	94	73	6-32
	C32-150	182	150	124	73	6-32
HSK100A	C32-120	170	120	91	73	6-32
	C32-165	215	165	136	73	6-32

HSK-A-SDC 后拉刀柄 HSK-A-SDC Back Pull Tool Holders



- 无螺帽的后拉式筒夹设计,刚性强稳定性高。
- 建议使用扭力扳手,不要超过推荐值的30%,过高的扭力,可能导致刀柄的变形。
- Collet nut design no pull, strong stability and high rigidity
- The recommended torque wrench, do not exceed the recommended value of 30%, high torque, the deformation may lead

	Model	L	L1	L2	θ	D	d(夹持范围)	推荐扭力
HSK63A	SDC6-95	127	95	69	6°	14	3 ~ 6	5Nm
	SDC6-120	152	120	94	6°	14	3 ~ 6	5Nm
	SDC6-150	182	150	124	6°	14	3 ~ 6	5Nm
	SDC8-100	132	100	74	6°	22	3 ~ 8	7Nm
	SDC8-120	152	120	94	6°	22	3 ~ 8	7Nm
	SDC8-150	182	150	124	6°	22	3 ~ 8	7Nm
	SDC12-120	152	120	94	—	34	3 ~ 12	12Nm
HSK100A	SDC6-110	160	110	81	6°	14	3 ~ 6	5Nm
	SDC6-150	200	150	121	6°	14	3 ~ 6	5Nm
	SDC8-120	170	120	91	6°	22	3 ~ 8	7Nm
	SDC8-150	200	150	121	6°	22	3 ~ 8	7Nm
	SDC12-120	170	120	91	—	34	3 ~ 12	12Nm

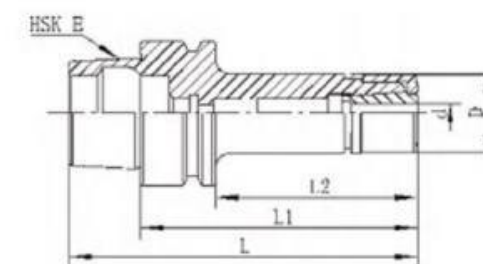


- 材质: 不锈钢
- 转速: ≤ 40000RPM

- Material: Stainless Steel
- Speed: ≤ 40000RPM

	Model	L	L1	L2	D	Clamping Range
HSK32E	SK06	66	50	30	19.5	2-6
	SK10	66	50	30	27.5	3-10
HSK40E	SK06	85	65	35	19.5	2-6
	SK10	85	65	35	27.5	3-10
	SK16	120	100	80	27.5	3-10
HSK50E	SK06	95	70	44	19.5	2-6
	SK10	95	70	44	27.5	3-10
	SK16	95	70	44	40.5	3-16

HSK-E-GSK 数控刀柄 HSK-E-GSK Tool Holders



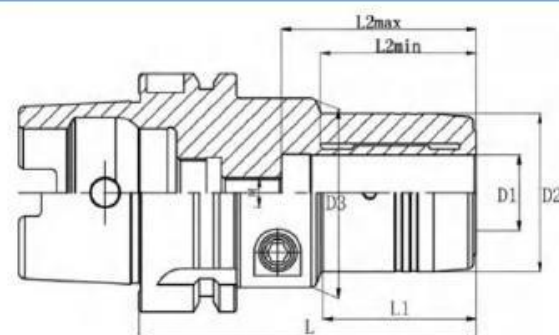
- 装入筒夹和更换刀具,必须把螺帽和本体螺纹清理干净,并添加润滑油,否则会造成螺纹损坏
- 全圆无偏心螺帽设计,噪音低,风阻小,适合高速
- Into the collet and replacement of cutting tools, must clean up the thread of nut and ontology, and add grease otherwise it will cause damage to the screw thread
- Full circle - no eccentric nut design, low noise, small wind resistance, suitable for high speed

	Model	L	L1	L2	D	d
HSK32E	GSK06-50	66	50	30	19.5	2-6
	GSK10-50	66	50	30	27.5	3 ~ 10
HSK40E	GSK06-65	85	65	35	19.5	2-6
	GSK10-65	85	65	35	27.5	3 ~ 10
	GSK10-100	120	100	80	27.5	3 ~ 10
HSK50E	GSK06-70	95	70	44	19.5	2-6
	GSK10-70	95	70	44	27.5	3 ~ 10
	GSK16-70	95	70	44	40.5	3-16



Model	L	L1	L2	D	D1	H	h	T	d(夹持范围) Gripping Range	重量/Weight KG
HSK50A	-SF03-60	85	60	30	10	16	9	/	3	0.35
	-SF04-60	85	60	30	10	16	12	/	4	0.45
	-SF05-60	85	60	30	10	16	15	/	5	0.55
	-SF06-80	105	80	51	21	27	26	10	6	0.65
	-SF08-80	105	80	51	21	27	26	10	8	0.6
	-SF10-85	110	85	56	24	32	32	10	10	0.75
	-SF12-90	115	90	61	24	32	37	10	12	0.7
	-SF14-90	115	90	61	27	34	37	10	14	0.95
	-SF16-95	120	95	66	27	34	40	10	16	0.7
HSK63A	-SF03-80	112	80	48	10	16	9	/	3	1.05
	-SF03-130	162	130	98	10	16	9	/	3	1.15
	-SF04-80	112	80	48	10	16	12	/	4	0.4
	-SF04-130	162	130	98	10	16	12	/	4	0.5
	-SF04-160	192	160	128	10	16	12	/	4	0.6
	-SF05-80	112	80	48	10	16	15	/	5	1.05
	-SF05-130	162	130	98	10	16	15	/	5	1.2
	-SF06-80	112	80	51	21	27	26	10	6	1.4
	-SF06-130	162	130	101	21	27	26	10	6	1.6
	-SF06-160	192	160	131	21	27	26	10	6	1.15
	-SF06-200	232	200	171	21	27	26	10	6	1.3
	-SF08-80	112	80	51	21	27	26	10	8	1.6
	-SF08-130	162	130	101	21	27	26	10	8	1.9
	-SF08-160	192	160	131	21	27	26	10	8	1.1
	-SF08-200	232	200	171	21	27	26	10	8	1.5
	-SF10-85	117	85	56	24	32	32	10	10	1.95
	-SF10-130	162	130	101	24	32	32	10	10	2.45
	-SF10-160	192	160	131	24	32	32	10	10	1.25
	-SF10-200	232	200	171	24	32	32	10	10	1.65
	-SF12-90	122	90	56	24	32	37	10	12	2.35
	-SF12-130	162	130	101	24	32	37	10	12	3.05
	-SF12-160	192	160	131	24	32	37	10	12	2.8
	-SF12-200	232	200	171	24	32	37	10	12	1.9
	-SF14-90	122	90	56	27	34	37	10	14	3
	-SF14-130	162	130	101	27	34	37	10	14	3.9
	-SF14-160	192	160	131	27	34	37	10	14	2.95
	-SF14-200	232	200	171	27	34	37	10	14	3.3
	-SF16-95	127	95	66	27	34	40	10	16	3.7
	-SF16-130	162	130	101	27	34	40	10	16	4.15
	-SF16-160	192	160	131	27	34	40	10	16	3.1
	-SF16-200	232	200	171	27	34	40	10	16	3.55
	-SF18-95	127	95	69	33	42	40	10	18	3.9
	-SF18-130	162	130	101	33	42	40	10	18	4.35
	-SF18-160	192	160	131	33	42	40	10	18	3.3
	-SF18-200	232	200	171	33	42	40	10	18	3.85
	-SF20-100	132	100	71	33	42	42	10	20	4.2
	-SF20-130	162	130	101	33	42	42	10	20	4.75
	-SF20-160	192	160	131	33	42	42	10	20	3.5
	-SF20-200	232	200	171	33	42	42	10	20	3.95

Model	L	L1	L2	D	D1	H	h	T	d(夹持范围) Gripping Range	重量/Weight KG
HSK63A	-SF25-115	147	115	89	44	53	48	10	25	4.3
	-SF25-130	162	130	104	44	53	48	10	25	4.5
	-SF25-160	192	160	134	44	53	48	10	25	4.75
	-SF25-200	232	200	174	44	53	48	10	25	4.9
	-SF32-120	152	120	94	44	53	48	10	32	5.15
	-SF32-160	192	160	134	44	53	48	10	32	5.35
HSK100A	-SF06-85	135	85	45	21	27	26	10	6	5.5
	-SF06-130	180	130	87	21	27	26	10	6	5.75
	-SF06-160	210	160	117	21	27	26	10	6	0.7
	-SF06-200	250	200	157	21	27	26	10	6	0.9
	-SF08-85	135	85	45	21	27	26	10	8	1.1
	-SF08-130	180	130	87	21	27	26	10	8	1.35
	-SF08-160	210	160	117	21	27	26	10	8	0.9
	-SF08-200	250	200	157	21	27	26	10	8	1.1
	-SF10-90	140	90	51	24	32	32	10	10	1.35
	-SF10-130	180	130	91	24	32	32	10	10	1.5
	-SF10-160	210	160	121	24	32	32	10	10	1.1
	-SF10-200	250	200	161	24	32	32	10	10	1.35
	-SF12-95	145	95	56	24	32	37	10	12	1.5
	-SF12-130	180	130	91	24	32	37	10	12	1.7
	-SF12-160	210	160	121	24	32	37	10	12	1.35
	-SF12-200	250	200	161	24	32	37	10	12	1.5
	-SF14-95	145	95	56	27	34	37	10	14	1.7
	-SF14-130	180	130	96	27	34	37	10	14	1.95
	-SF14-160	210	160	126	27	34	37	10	14	1.5
	-SF14-200	250	200	166	27	34	37	10	14	1.75
	-SF16-100	150	100	66	27	34	40	10	16	1.9
	-SF16-130	180	130	96	27	34	40	10	16	2.1
	-SF16-160	210	160	126	27	34	40	10	16	1.75
	-SF16-200	250	200	166	27	34	40	10	16	1.9
	-SF18-100	150	100	66	33	42	40	10	18	2.1
	-SF18-130	180	130	96	33	42	40	10	18	2.35
	-SF18-160	210	160	126	33	42	40	10	18	1.9
	-SF18-200	250	200	166	33	42	40	10	18	2.15
	-SF20-105	155	105	71	33	42	42	10	20	2.35
	-SF20-130	180	130	96	33	42	42	10	20	2.5
	-SF20-160	210	160	126	33	42	42	10	20	2.1
	-SF20-200	250	200	166	33	42	42	10	20	2.35
	-SF25-115	165	115	81	44	53	48	10	25	2.5
	-SF25-130	180	130	96	44	53	48	10	25	2.7
	-SF25-160	210	160	126	44	53	48	10	25	4.7
	-SF25-200	250	200	166	44	53	48	10	25	4.95
	-SF32-130	180	130	96	44	53	48	10	32	5.2
	-SF32-160	210	160	126	44	53	48	10	32	5.3
	-SF32-200	250	200	166	44	53	48	10	32	5.35



○ 材质: 20CrMnTi ○ 转速: ≤ 20000RPM ○ 精度: ≤ 0.003mm

○ Material: 20CrMnTi ○ Speed: ≤ 20000RPM ○ Accuracy: ≤ 0.003mm

Model	D1	D2	D3	L	L1	L2min	L2max	M
HSK40E-PHC06-70L	6	28	34	70	33	26	39	M5
HSK40E-PHC08-70L	8	30	34	70	33	28	39	M5
HSK40E-PHC10-75L	10	32	34	75	39	34	45	M5
HSK40E-PHC12-80L	12	34	34	80	-	-	-	M5
HSK50E-PHC06-70L	6	30	42	70	25.5	26	38	M5
HSK50E-PHC08-70L	8	32	42	70	26	28	38	M6
HSK50E-PHC10-80L	10	34	42	80	32	34	45	M8
HSK50E-PHC12-85L	12	36	42	85	40	37	50	M8
HSK50E-PHC16-90L	16	40	42	90	43	41	51	M8
HSK50E-PHC20-90L	20	42	42	90	64	41	52	M8
HSK63A-PHC06-80L	6	32	48	80	32	29	46	M5
HSK63A-PHC06-125L	6	32	48	125	38.5	28	44.5	M5
HSK63A-PHC08-80L	8	34	50	80	32	29	46	M6
HSK63A-PHC08-125L	8	32	48	125	38.5	28	44.5	M6
HSK63A-PHC10-80L	10	36	50	80	32	31	50	M8
HSK63A-PHC10-125L	10	36	50	125	40	37	51	M8
HSK63A-PHC12-80L	12	38	50	80	32	32	50	M8
HSK63A-PHC12-125L	12	38	50	125	41	37	51	M8
HSK63A-PHC14-80L	14	40	50	80	40	38	50	M8
HSK63A-PHC16-90L	16	42	50	90	41	40	51	M8
HSK63A-PHC16-125L	16	42	50	125	43	40	52	M8
HSK63A-PHC18-90L	18	42	50	90	41	40	51	M8
HSK63A-PHC20-90L	20	42	50	90	41	40	52.5	M8
HSK63A-PHC20-125L	20	44	50	125	45	40	52.5	M8
HSK63A-PHC25-110L	25	53	63	110	55.5	45	61	M8
HSK63A-PHC32-110L	32	63	63	110	-	55	65	M8
HSK100A-PHC20-105L	20	46	60	105	45	39	53	M12
HSK100A-PHC25-110L	25	53	63	110	55	40	53	M12
HSK100A-PHC32-110L	32	62	75	110	55	44	53	M12



A Type

○ 标准: MAS403 ○ 材质: 40CrMo
○ 转速: 8000-10000RPM ○ 精度: ≤ 0.003mm

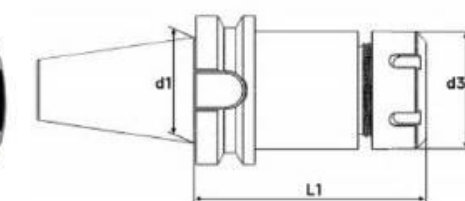
○ Standard: MAS403 ○ Material: 40CrMo
○ Speed: 8000-10000RPM ○ Accuracy: ≤ 0.003mm



B Type

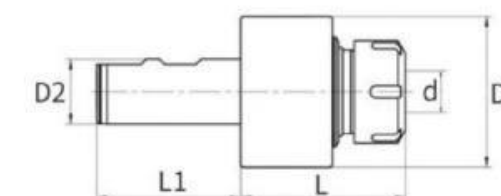
○ 标准: MAS403 ○ 材质: 20CrMnTi
○ 转速: ≤ 25000RPM ○ 精度: 0.001-0.002mm

○ Standard: MAS403 ○ Material: 20CrMnTi
○ Speed: ≤ 25000RPM ○ Accuracy: 0.001-0.002mm



Model	L1	d3	d1
BT30-ER11A-70	70	19	31.75
BT30-ER16A-70	70	28	31.75
BT30-ER20A-70	70	34	31.75
BT30-ER25UM-70	70	42	31.75
BT30-ER32UM-100	100	50	31.75
BT40-ER11A-100	100	19	44.45
BT40-ER16A-100	100	28	44.45
BT40-ER20A-100	100	34	44.45
BT40-ER25UM-100	100	42	44.45
BT40-ER32UM-70	70	50	44.45
BT40-ER32UM-100	100	50	44.45
BT40-ER32UM-150	150	50	44.45
BT40-ER40UM-80	80	63	44.45
BT40-ER40UM-100	100	63	44.45
BT50-ER16A-100	100	28	69.85
BT50-ER16A-150	150	28	69.85
BT50-ER20A-150	150	34	69.85
BT50-ER25UM-150	150	42	69.85
BT50-ER32UM-100	100	50	69.85
BT50-ER32UM-150	150	50	69.85
BT50-ER40UM-100	100	63	69.85
BT50-ER40UM-150	150	63	69.85

浮动铰刀柄 Lateral Floating Reaming Tool Holders



○ 材质: 进口合金钢 ○ 浮动范围: 0.8mm ○ 精度: ≤ 0.002mm

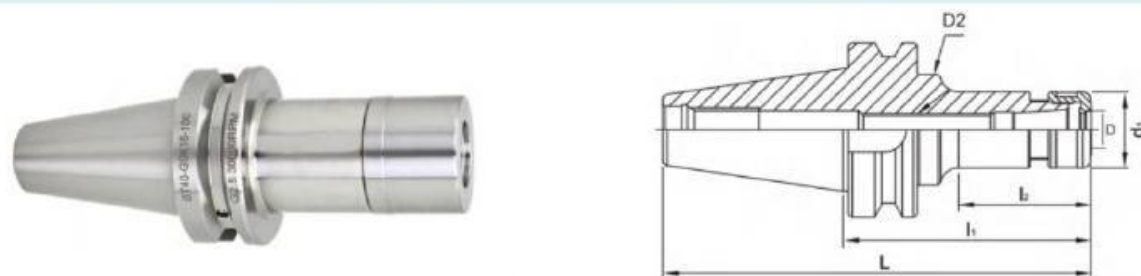
○ Material: Imported alloy steel ○ Floating range: 0.8mm ○ Accuracy: ≤ 0.002mm

Model	D1	D2	L	L1	Collets	Clamping
C16-FDER11A-50-D30	30	16	50	50	ER11	1-7mm
C16-FDER11M-50-D30	30	16	50	50	ER11	
C20-FDER16A-65-D39	39	20	65	50	ER16	1-10mm
C25-FDER20M-60-D45	45	25	65	55	ER20	1-13mm

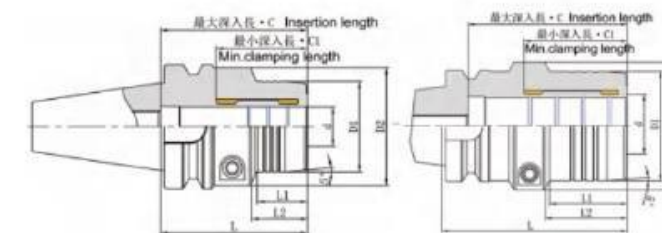


Model	Qty.&Sizes	Bar Thread
BT30-ER16-70L	8PCS(3-10mm)	M12-1.75P
BT30-ER32-70L	6PCS(6-20mm)	M12-1.75P
	11PCS(4-20mm)	
	18PCS(3-20mm)	
BT40-ER32-70L	6PCS(6-20mm)	M16-2.0P
	11PCS(4-20mm)	
	18PCS(3-20mm)	
BT40-ER40-80L	7PCS(6-25mm)	M16-2.0P
	15PCS(4-26mm)	
	23PCS(4-26mm)	
BT40-ER16-100L	8PCS(3-10mm)	M16-2.0P
BT40-ER20-100L	11PCS(3-13mm)	
BT40-ER32-100L	6PCS(6-20mm)	M16-2.0P
	11PCS(4-20mm)	
	18PCS(3-20mm)	
BT40-ER40-100L	7PCS(6-25mm)	M16-2.0P
	15PCS(4-26mm)	
	23PCS(4-26mm)	
BT50-ER40-100L	6PCS(6-20mm)	M24-3.0P
	11PCS(4-20mm)	
	18PCS(3-20mm)	
BT50-ER40-100L	7PCS(6-25mm)	M24-3.0P
	15PCS(4-26mm)	
	23PCS(4-26mm)	
BT50-ER32-150	6PCS(6-20mm)	M24-3.0P
	11PCS(4-20mm)	
	18PCS(3-20mm)	
BT50-ER40-150L	7PCS(6-25mm)	M24-3.0P
	15PCS(4-26mm)	
	23PCS(4-26mm)	

BT-GSK 无风阻刀柄 BT-GSK High Speed Collet Chucks

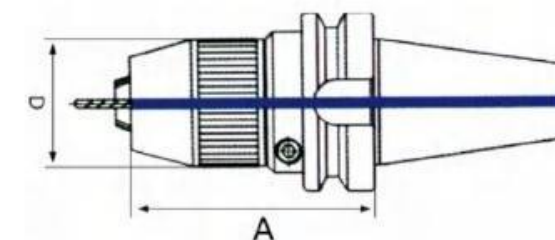
材质: 20CrMnTi 精度: $\leq 0.003\text{mm}$ 转速: $\leq 30000\text{RPM}$ Material: 20CrMnTi Accuracy: $\leq 0.003\text{mm}$ Speed: $\leq 30000\text{RPM}$

Model	夹持范围 Clamping	L	L1	D1	筒夹 Collets
BT30-SK10-60	3-10	60	33	29	SK10
BT30-SK10-90		90	63		
BT30-SK16-60	3-16	60	33	40.5	SK16
BT30-SK16-90		90	63		
BT40-SK10-60	3-10	60	33	29	SK10
BT40-SK10-90		90	63		
BT40-SK16-60	3-16	60	33	40.5	SK16
BT40-SK16-90		90	63		

材质: 20CrMnTi 转速: $\leq 20000\text{RPM}$ 精度: $\leq 0.003\text{mm}$ Material: 20CrMnTi Speed: $\leq 20000\text{RPM}$ Accuracy: $\leq 0.003\text{mm}$

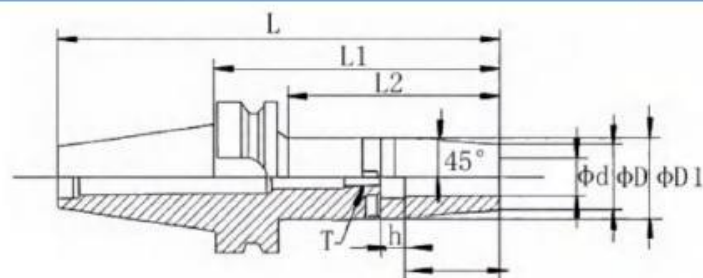
Model	Fig.	φd	$\varphi D1$	$\varphi D2$	L	L1	L2	Insertion Length C1	Insertion Length C
BT40-PHC06-75	1	6	28	46	75	30	34.5	29	46
BT40-PHC06-90	1	6	28	46	90	29	44	29	46
BT40-PHC08-75	1	8	30	48	75	30	34.5	30	46
BT40-PHC08-90	1	8	30	48	90	29	44	30	46
BT40-PHC10-75	1	10	36	52	75	26	30	38	57
BT40-PHC10-90	1	10	36	52	90	40	44	38	57
BT40-PHC12-75	1	12	38	54	75	26	30	38	57
BT40-PHC12-90	1	12	38	54	90	40	44	38	57
BT40-PHC14-75	1	14	40	56	75	28	32	42	57
BT40-PHC16-75	1	16	42	58	75	26	30	46	75
BT40-PHC16-90	1	16	42	58	90	40	44	46	75
BT40-PHC20-75	1	20	46	60	75	26	30	46	75
BT40-PHC20-90	1	20	46	60	90	40	44	46	75
BT40-PHC25-105	1	25	52	62	105	55	58	46	80
BT40-PHC32-105	2	32	62	70	105	44	47	58	90
BT50-PHC10-105	1	10	36	52	105	26	29	36	57
BT50-PHC12-105	1	12	38	54	105	26	29	38	57
BT50-PHC16-105	1	16	42	58	105	26	29	46	75
BT50-PHC20-105	1	20	46	60	105	26	29	46	75
BT50-PHC25-120	1	25	52	62	120	56	58	50	80
BT50-PHC32-120	1	32	62	72	120	43	47	60	90

整体式高精钻夹头 Integral High Precision Drill Chucks



此产品含有内冷式 This product contains internal cooling.

Model	夹持范围 Capacity mm	A(mm)	D(mm)
BT30	1-13	82	45
BT40	1-13	89	45
BT40	1-16	95	50
BT50	1-16	116	50



○材料硬度: > HRC52
○装夹精度: < 0.003MM
○标准转速: ≤ 2500RPM

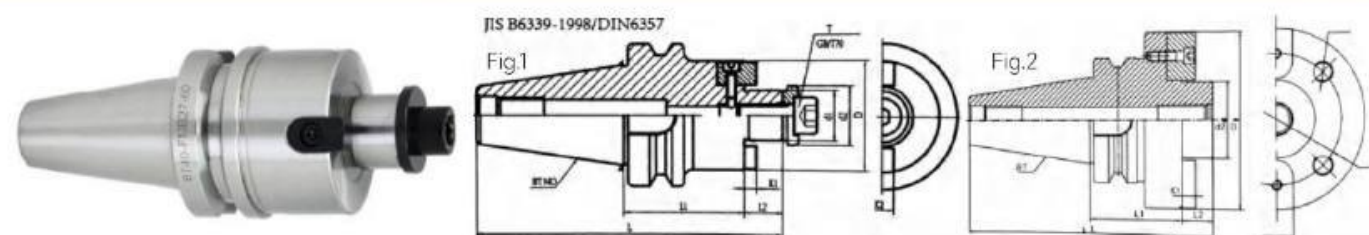
○ Hardness: > HRC52
○ Clamping Accuracy: < 0.003mm
○ Speed: ≤ 2500RPM



如有需要可提供分体式热缩刀柄
Split type also available.

Model	L	L1	L2	D	D1	H	h	T	d(夹持范围)Clamping Range	重量 /Weight KG	
BT30	-SF03-80	128.4	80	54	10	16	9	/	/	3	0.35
	-SF04-80	128.4	80	54	10	16	12	/	/	4	0.45
	-SF05-80	125.4	80	54	10	16	15	/	/	5	0.55
	-SF06-80	128.4	80	55	21	27	26	10	M5	6	0.65
	-SF08-80	128.4	80	55	21	27	26	10	M6	8	0.6
	-SF10-80	128.4	80	55	24	32	32	10	M6	10	0.75
	-SF12-80	128.4	80	55	24	32	37	10	M6	12	0.7
	-SF14-80	128.4	80	55	27	34	37	10	M6	14	0.95
	-SF16-80	128.4	80	55	27	34	40	10	M8	16	0.7
	-SF18-90	138.4	90	66	33	42	40	10	M8	18	1.05
-SF20-90	138.4	90	67	33	42	42	10	M8	20	1.15	
BT40	-SF08-90	155.4	90	58	10	16	9	/	/	3	0.4
	-SF08-120	185.4	120	88	10	16	9	/	/	3	0.5
	-SF04-90	155.4	90	58	10	16	12	/	/	4	1.05
	-SF04-120	185.4	120	88	10	16	12	/	/	4	1.2
	-SF05-90	155.4	90	58	10	16	15	/	/	5	1.4
	-SF05-120	185.4	120	88	10	16	15	/	/	5	1.6
	-SF06-90	155.4	90	59	21	27	26	10	M5	6	1.15
	-SF06-120	185.4	120	89	21	27	26	10	M5	6	1.3
	-SF06-160	225.4	160	129	21	27	26	10	M5	6	1.6
	-SF06-200	265.4	200	169	21	27	26	10	M5	6	1.9
	-SF08-90	155.4	90	59	21	27	26	10	M6	8	1.1
	-SF08-120	185.4	120	89	21	27	26	10	M6	8	1.5
	-SF08-160	225.4	160	129	21	27	26	10	M6	8	1.95
	-SF08-200	265.4	200	169	21	27	26	10	M6	8	2.45
	-SF10-90	155.4	90	59	24	32	32	10	M6	10	1.25
	-SF10-120	185.4	120	89	24	32	32	10	M6	10	1.65
	-SF10-160	225.4	160	129	24	32	32	10	M6	10	2.35
	-SF10-200	265.4	200	169	24	32	32	10	M6	10	3.05
	-SF12-90	155.4	90	59	24	32	37	10	M8	12	2.8
	-SF12-120	185.4	120	89	24	32	37	10	M6	12	1.9
	-SF12-160	225.4	160	129	24	32	37	10	M6	12	3
	-SF12-200	265.4	200	169	24	32	37	10	M6	12	3.9
	-SF14-90	155.4	90	59	27	34	37	10	M6	14	2.95
	-SF14-120	185.4	120	89	27	34	37	10	M6	14	3.3
	-SF14-160	225.4	160	129	27	34	37	10	M6	14	3.7
	-SF14-200	265.4	200	169	27	34	37	10	M6	14	4.15
	-SF16-90	155.4	90	59	27	34	40	10	M8	16	3.1
	-SF16-120	185.4	120	89	27	34	40	10	M8	16	3.5
	-SF16-160	225.4	160	129	27	34	40	10	M8	16	3.9
	-SF16-200	265.4	200	169	27	34	40	10	M8	16	4.35
	-SF18-90	155.4	90	60	33	42	40	10	M8	18	3.3
	-SF18-120	185.4	120	90	33	42	40	10	M8	18	3.8
	-SF18-160	225.4	160	130	33	42	40	10	M8	18	4.25
	-SF18-200	265.4	200	170	33	42	40	10	M8	18	4.75
	-SF20-90	155.4	90	60	33	42	42	10	M8	20	3.5
	-SF20-120	185.4	120	90	33	42	42	10	M8	20	3.95
	-SF20-160	225.4	160	130	33	42	42	10	M8	20	4.3

Model		L	L1	L2	D	D1	H	h	T	d(夹持范围)Clamping Range	重量 /Weight KG
BT40	-SF20-200	265.4	200	170	33	42	42	10	M8	20	4.5
	-SF25-100	165.4	100	71	44	53	48	10	M16	25	4.75
	-SF25-120	185.4	120	91	44	53	48	10	M16	25	4.9
	-SF25-160	225.4	160	131	44	53	48	10	M16	25	5.15
	-SF25-200	265.4	200	171	44	53	48	10	M16	25	5.3
	-SF32-100	165.4	100	71	44	53	48	10	M16	32	5.3
	-SF32-120	185.4	120	91	44	53	48	10	M16	32	5.5
	-SF32-160	225.4	160	131	44	53	48	10	M16	32	5.7
BT50	-SF06-100	201.8	100	57	21	27	26	10	M5	6	0.75
	-SF06-130	231.8	130	88	21	27	26	10	M6	6	0.9
	-SF06-160	261.8	160	117	21	27	26	10	M5	6	1.1
	-SF06-200	301.8	200	157	21	27	26	10	M5	6	1.35
	-SF08-100	201.8	100	57	21	27	26	10	M6	8	0.9
	-SF08-130	231.8	130	88	21	27	26	10	M6	8	1.1
	-SF08-160	261.8	160	117	21	27	26	10	M6	8	1.35
	-SF08-200	301.8	200	157	21	27	26	10	M6	8	1.5
	-SF10-100	201.8	100	57	24	32	32	10	M6	10	1.1
	-SF10-130	231.8	130	88	24	32	32	10	M6	10	1.35
	-SF10-160	261.8	160	117	24	32	32	10	M6	10	1.5
	-SF10-200	301.8	200	157	24	32	32	10	M6	10	1.7
	-SF12-100	201.8	100	57	24	32	37	10	M6	12	1.35
	-SF12-130	231.8	130	88	24	32	37	10	M6	12	1.5
	-SF12-160	261.8	160	117	24	32	37	10	M6	12	1.7
	-SF12-200	301.8	200	157	24	32	37	10	M6	12	1.95
	-SF14-100	201.8	100	57	27	34	37	10	M6	14	1.5
	-SF14-130	231.8	130	88	27	34	37	10	M6	14	1.7
	-SF14-160	261.8	160	117	27	34	37	10	M6	14	1.9
	-SF14-200	301.8	200	157	27	34	37	10	M6	14	2.1
	-SF16-100	201.8	100	57	27	34	40	10	M8	16	1.75
	-SF16-130	231.8	130	88	27	34	40	10	M8	16	1.9
	-SF16-160	261.8	160	117	27	34	40	10	M8	16	2.1
	-SF16-200	301.8	200	157	27	34	40	10	M8	16	2.3
	-SF18-100	201.8	100	57	33	42	40	10	M8	18	1.9
	-SF18-130	231.8	130	88	33	42	40	10	M8	18	2.15
	-SF18-160	261.8	160	117	33	42	40	10	M8	18	2.3
	-SF18-200	301.8	200	157	33	42	40	10	M8	18	2.55
	-SF20-100	201.8	100	57	33	42	42	10	M8	20	2.1
	-SF20-130	231.8	130	88	33	42	42	10	M8	20	2.35
	-SF20-160	261.8	160	117	33	42	42	10	M8	20	2.5
	-SF20-200	301.8	200	157	33	42	42	10	M8	20	2.75
	-SF25-100	201.8	100	57	44	53	48	10	M16	25	4.7
	-SF25-130	231.8	130	88	44	53	48	10	M16	25	4.9
	-SF25-160	261.8	160	117	44	53	48	10	M16	25	5.25
	-SF25-200	301.8	200	157	44	53	48	10	M16	25	5.3
	-SF32-100	201.8	100	57	44	53	48	10	M16	32	5.35
	-SF32-130	231.8	130	88	44	53	48	10	M16	32	5.5
	-SF32-160	261.8	160	117	44	53	48	10	M16	32	5.75
	-SF32-200	301.8	200	157	44	53	48	10	M16	32	5.9



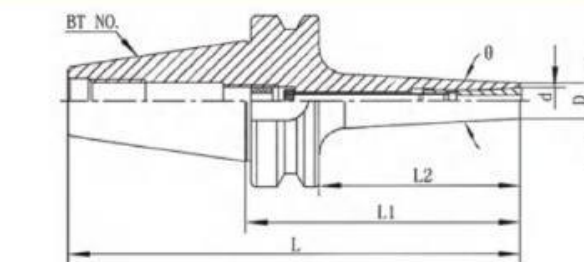
材质: 20CrMnTi 转速: ≤ 12000RPM

Material: 20CrMnTi Speed: ≤ 12000RPM

Model	Type	d1	d2	D3	D	L1	L2
BT30	FMB22-45	Fig.1	22	26	-	45	16.5
	FMB22-60					60	
	FMB27-45	Fig.1	27	33	-	45	18.5
	FMB27-60					60	
BT40	FMB32-60	Fig.1	32	41	-	58	22
	FMB22-45	Fig.1	22	26	48	45	16.5
	FMB22-60					60	
	FMB22-100					100	
	FMB22-150					150	
	FMB27-45	Fig.1	27	33	60	45	18.5
	FMB27-60					60	
	FMB27-100					100	
	FMB27-150					150	
	FMB27-200					200	
	FMB32-60	Fig.1	32	41	62	60	22
	FMB32-100					100	
	FMB32-150					150	
	FMB32-200					200	
	FMB40-60	Fig.1	40	48	80	60	25
	FMB40-100					100	
	FMB40-150					150	
	FMB40-200					200	
BT50	FMC40-60	Fig.2	-	-	66.7	98	60
	FMB22-60	Fig.1	22	26	48	60	16.5
	FMB22-100					100	
	FMB22-150					150	
	FMB22-200					200	
	FMB27-60	Fig.1	27	33	60	60	18.5
	FMB27-100					100	
	FMB27-150					150	
	FMB27-200					200	
	FMB32-60	Fig.1	32	41	73	60	22
	FMB32-100					100	
	FMB32-150					150	
	FMB32-200					200	
	FMB40-60	Fig.1	40	48	80	60	25
	FMB40-100					100	
	FMB40-150					150	
	FMB40-200					200	
	FMC40-60	Fig.2	-	-	66.7	98	60
	FMC60.140-75	Fig.2	60	-	101.6	140	25
	FMC60.140-100					100	
	FMC60.129-75	Fig.2	60	-	101.6	129	25
	FMC60.129-100					100	



材质: 20CrMnTi 精度: ≤ 0.003mm 转速: ≤ 25000RPM

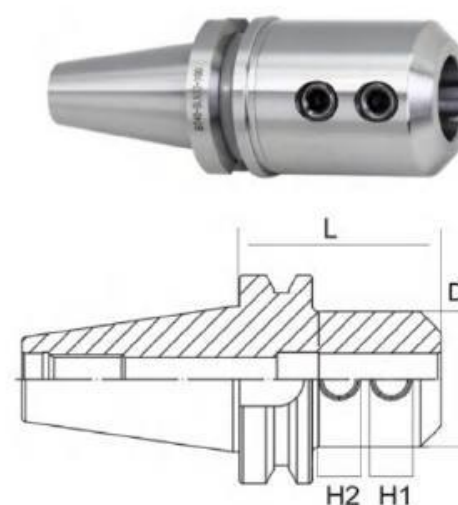


Material: 20CrMnTi Accuracy: ≤ 0.003mm Speed: ≤ 25000RPM

- 夹头螺母设计——无拉力、稳定性强、刚性高
- 推荐扭矩扳手，不要超过推荐值的 30%，扭矩太大，可能会导致变形
- Collet nut design - no pull, strong stability and high rigidity
- The recommended torque wrench, do not exceed the recommended value of 30%, high torque, the deformation may lead

Model		L	L1	L2	θ	D	d
BT30	SDC06-60	108.4	60	38	6°	14	3-6
	SDC06-90	138.4	90	68	6°	14	3-6
	SDC08-60	108.4	60	38	6°	22	3-8
	SDC08-90	138.4	90	68	6°	22	3-8
	SDC12-80	128.4	80	58	—	34	3-12
BT40	SDC06-90	165.4	100	73	6°	14	3-6
	SDC06-150	215.4	150	123	6°	14	3-6
	SDC08-90	165.4	100	73	6°	22	3-8
	SDC08-150	215.4	150	123	6°	22	3-8
	SDC12-90	165.4	100	73	—	34	3-12
	SDC12-150	215.4	150	123	—	34	3-12
BT50	SDC06-100	201.8	100	62	6°	14	3-6
	SDC06-150	251.8	150	112	6°	14	3-6
	SDC08-100	201.8	100	62	6°	22	3-8
	SDC08-150	251.8	150	112	6°	22	3-8
	SDC12-100	201.8	100	62	—	34	3-12
	SDC12-150	251.8	150	112	—	34	3-12

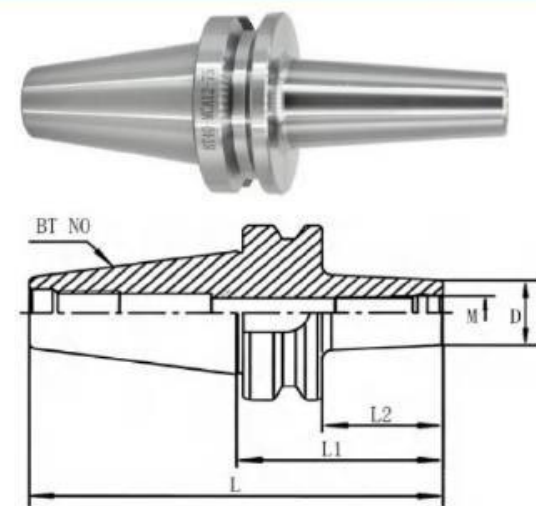
BT-SLN 侧固刀柄 BT-SLN Side Lock End Mill Arbors



材质: 20CrMnTi 转速: ≤ 12000RPM

Material: 20CrMnTi Speed: ≤ 12000RPM

Model	L	C	H1	H2
BT30-SLN20-70	70	52	25	—
BT40-SLN20-70	70	52	25	—
BT40-SLN25-90	90	65	24	25
BT40-SLN32-100	100	72	24	28
BT50-SLN25-100	100	65	24	25
BT50-SLN32-105	105	72	24	28
BT50-SLN40-115	115	90	30	32



动平衡: G2.5 25000-30000RPM 20CrMnTi ≤ 0.005mm

Model		L	L1	L2	D	M
BT30	M6-45	93.4	45	38	13	M6*1.0P
	M8-45	93.4	45	38	15	M8*1.25P
	M10-45	93.4	45	38	19	M10*1.5P
	M12-60	108.4	60	53	24	M12*1.75P
	M16-45	93.4	45	38	29	M16*2.0P
BT40	M6-60	125.4	60	33	13	M6*1.0P
	M6-100	165.4	100	73	13	M6*1.0P
	M6-150	215.4	150	123	13	M6*1.0P
	M8-60	125.4	60	33	15	M8*1.25P
	M8-100	165.4	100	73	15	M8*1.25P
	M8-150	215.4	150	123	15	M8*1.25P
	M10-60	125.4	60	33	19	M10*1.5P
	M10-100	165.4	100	73	19	M10*1.5P
	M10-150	215.4	150	123	19	M10*1.5P
	M12-60	125.4	60	33	24	M12*1.75P
	M12-100	165.4	100	73	24	M12*1.75P
	M12-150	215.4	150	123	24	M12*1.75P
	M16-60	125.4	60	33	29	M16*2.0P
	M16-100	165.4	100	73	29	M16*2.0P
	M16-150	215.4	150	123	29	M16*2.0P

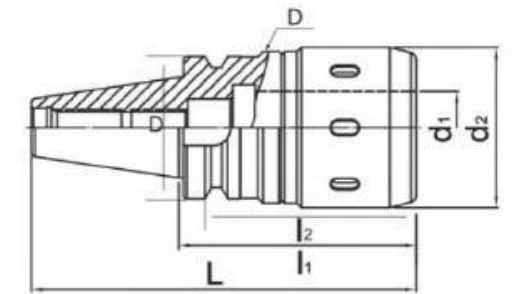
BT-SCA 锯片刀柄 BT-SCA Saw Blade Tool Holders



Model	L	L2	L3	D	D2	D3	K	H	T
BT40-SCA22-75	192.4	22	30	63	34	34	6	24.3	M20×1.5P
BT40-SCA22-120	237.4	22	30	63	34	34	6	24.3	M20×1.5P
BT40-SCA27-75	198.4	28	30	63	41	40	7	30	M24×1.5P
BT40-SCA27-120	234.4	28	30	63	41	40	7	30	M24×1.5P
BT40-SCA32-90	217.4	32	30	63	47	47	8	35	M30×1.5P
BT50-SCA22-90	243.8	22	30	100	34	34	6	24.3	M20×1.5P
BT50-SCA22-135	288.8	22	30	100	34	34	6	24.3	M20×1.5P
BT50-SCA27-90	249.8	28	30	100	41	40	7	30	M24×1.5P
BT50-SCA27-135	294.8	28	30	100	41	40	7	30	M24×1.5P
BT50-SCA32-90	253.8	32	30	100	47	47	8	35	M30×1.5P
BT50-SCA32-135	298.8	32	30	100	47	47	8	35	M30×1.5P
BT50-SCA40-90	261.8	40	30	100	55	55	10	43.7	M36×2.0P
BT50-SCA40-135	306.8	40	30	100	55	55	10	43.7	M36×2.0P



HRC58-60 材质: 20CrMnTi 精度: ≤ 0.08mm



HRC58-60 Material: 20CrMnTi Accuracy: ≤ 0.08mm

Model	L	L1	L2	D	d1	d2
BT30-C20-90	138.4	90	70	46	20	55
BT30-C25-100	128.4	100			25	58
BT30-C32-105	148.4	105			32	68
BT40-C20-90	155.4	90	70	63	20	55
BT40-C25-100	160.4	100			25	58
BT40-C25-130	195.4	130			32	68
BT40-C32-105	170.4	105	75	100	20	55
BT40-C32-135	200.4	135			25	58
BT50-C20-110	165.4	110			32	68
BT50-C20-165	215.4	165	70	100	20	55
BT50-C25-110	170.4	110			25	58
BT50-C25-165	200.4	165			32	68
BT50-C32-110	206.4	110	75	100	20	55
BT50-C32-135	236.8	135			25	58
BT50-C32-165	266.8	165			32	68
BT50-C32-200	265.4	200	90	100	20	55
BT50-C32-250	315.4	250			25	58
BT50-C32-300	365.4	300			32	68
BT50-C42-110	211.8	110	90	100	42	84
BT50-C42-135	236.8	135			42	84
BT50-C42-165	266.8	165			42	84



Model	刀柄 Tool Holders	筒夹 Collets	螺纹 Back Bar Thread	Wt.
MT4-C32-8PCS	MT4-C32-75L	C32	M16x2.0P	2.5
MT5-C32-8PCS	MT5-C32-75L	C32	M24x3.0P	3.5
MT5-C42-8PCS	MT5-C42-110L	C42		5.0
R8-C20-8PCS	R8-C20-85L	C20	M12x1.75P	2.5
NT30-C20-8PCS	NT30-C20-65L	C20	M12x1.75P	3.0
NT40-C20-8PCS	NT40-C20-70L	C20	M16x2.0P	3.5
NT40-C32-8PCS	NT40-C32-95L	C32		4.0
NT50-C32-8PCS	NT50-C32-100L	C32	M24x3.0P	4.5
NT50-C42-8PCS	NT50-C42-110L	C42		6.0
BT30-C20-8PCS	BT30-C20-85L	C20	M12x1.75P	2.5
BT30-C25-8PCS	BT30-C25-85L	C25		3.0
BT40-C20-8PCS	BT40-C20-90L/120L	C20	M16x2.0p	2.0/2.5
BT40-C25-8PCS	BT40-C25-95L/130L	C25		2.5/3.0
BT40-C32-8PCS	BT40-C32-105L/135L	C32	M24x3.0p	3.0/3.5
BT50-C32-8PCS	BT50-C32-110L/150L	C32		5.2/7.0
	BT50-C32-110L/135L	C32		6.5/7.5

BT-CEM 混合插入式铣刀杆 BT-CEM Combine Shell End Mill Arbors



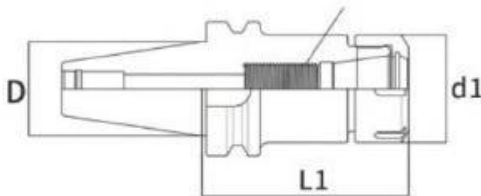
材质: 20CrMnTi 转速: ≤12000RPM

Material: 20CrMnTi Speed: ≤12000RPM

Model	L1	D	D1	d
BT30-CEM16-50	50	32	31.75	16
BT30-CEM22-50	50	40		22
BT30-CEM27-55	55	48		27
BT40-CEM16-55	55	32	44.45	16
BT40-CEM22-55	55	40		22
BT40-CEM27-55	55	48		27
BT40-CEM32-60	60	58		32
BT40-CEM40-60	60	70		40
BT50-CEM16-70	70	32	69.85	16
BT50-CEM22-70	70	40		22
BT50-CEM27-70	70	48		27
BT50-CEM32-70	70	58		32
BT50-CEM40-70	70	70		40



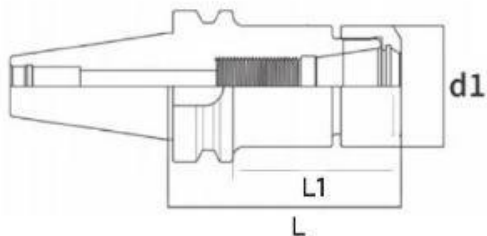
Model	l1	l2	D	d1	d2	k1	k2
BBT30-FMB22-45	45	19	48	22	26	4.8	10
BBT30-FMB22-60	60						
BBT30-FMB27-45	45	20	60	27	31.5	5.8	12
BBT30-FMB27-60	60						
BBT30-FMB32-45	45	22	78	32	41	6.8	14
BBT40-FMB22-45	45						
BBT40-FMB22-60	60	19	48	22	26	4.8	10
BBT40-FMB22-100	100						
BBT40-FMB22-150	150						
BBT40-FMB22-200	200						
BBT40-FMB27-45	45	20	60	27	31.5	5.8	12
BBT40-FMB27-60	60						
BBT40-FMB27-100	100						
BBT40-FMB27-150	150						
BBT40-FMB32-45	45	22	78	32	41	6.8	14
BBT40-FMB32-60	60						
BBT40-FMB40-60	60						
BBT50-FMB22-60	60	19	48	22	26	4.8	10
BBT50-FMB22-100	100						
BBT50-FMB22-150	150						
BBT50-FMB22-200	200						
BBT50-FMB22-250	250						
BBT50-FMB22-300	300						
BBT50-FMB22-350	350						
BBT50-FMB22-400	400	20	60	27	31.5	5.8	12
BBT50-FMB27-60	60						
BBT50-FMB27-100	100						
BBT50-FMB27-150	150						
BBT50-FMB27-200	200						
BBT50-FMB27-250	250	22	78	32	41	6.8	14
BBT50-FMB32-60	60						
BBT50-FMB32-100	100						
BBT50-FMB40-60	60	25	89	40	48	8.3	16
BBT50-FMB40-100	100						
BBT50-FMB40-150	150						



○材质: 4Cr13 ○转速: ≤ 25000RPM ○精度: 0.002mm

○Material: 4Cr13 ○Speed: ≤ 25000RPM ○Accuracy: 0.002mm

Mode	L1	d1	D	H	夹持范围 Clamping Range
BBT40-ER11-70	70	19	44.45	30	1-7
BBT40-ER11-100	100	19		30	1-7
BBT40-ER16-70	70	28		50	1-10
BBT40-ER16-100	100	28		50	1-10
BBT40-ER16-125	125	28		50	1-10
BBT40-ER16-150	150	28		50	1-10
BBT40-ER20-70	70	34		70	1-13
BBT40-ER20-100	100	34		70	1-13
BBT40-ER20-125	125	34		70	1-13
BBT40-ER20-150	150	34		70	1-13
BBT40-ER25-70	70	42		90	1-16
BBT40-ER25-100	100	42		90	1-16
BBT40-ER25-125	125	42		90	1-16
BBT40-ER25-150	150	42		90	1-16
BBT40-ER32-70	70	50		90	1-20
BBT40-ER32-100	100	50		100	1-20
BBT40-ER32-125	125	50		100	1-20
BBT40-ER32-150	150	50		100	1-20
BBT40-ER40-80	80	63		90	3-26
BBT40-ER40-100	100	63		100	3-26
BBT40-ER40-125	125	63		100	3-26
BBT40-ER40-150	150	63		100	3-26



○材质: 4Cr13 ○转速: ≤ 30000RPM ○精度: 0.002mm

○Material: 4Cr13 ○Speed: ≤ 30000RPM ○Accuracy: 0.002mm

Model		夹持范围 Clamping Range	d1	L	L1
BT/BBT30	GSK06-60	2-6	19.5	60	38
	GSK06-90			90	68
	GSK06-120			120	98
	GSK10-60	2-10	27.5	60	38
	GSK10-90			90	68
	GSK10-120			120	98
	GSK16-60	3-16	40	60	38
	GSK16-90			90	68
	GSK16-120			120	98
BT/BBT40	GSK06-60	2-6	19.5	60	43
	GSK06-90			90	63
	GSK06-120			120	93
	GSK10-60	2-10	27.5	60	43
	GSK10-90			90	63
	GSK10-120			120	93
	GSK16-60	3-16	40	60	43
	GSK16-90			90	63
	GSK16-120			120	93



材质: 20CrMnTi 精度: $\leq 0.003\text{mm}$ 转速: G2.5 25000RPM
Material: 20CrMnTi Speed: $\leq 0.003\text{mm}$ Accuracy: G2.5 25000RPM

Model	l1	d1	T
BBT30-ER16-70	70	28	M12*1.75P
BBT30-ER16-100	100		
BBT30-ER20-70	70	34	
BBT30-ER20-100	100		
BBT30-ER25-70	70	42	
BBT30-ER32-70	70	50	
BBT30-ER32-100	100		
BBT40-ER16-70	70	28	
BBT40-ER16-100	100		
BBT40-ER16-150	150		
BBT40-ER20-70	70	34	
BBT40-ER20-100	100		
BBT40-ER20-150	150		
BBT40-ER25-70	70	42	
BBT40-ER25-100	100		
BBT40-ER25-150	150		
BBT40-ER32-70	70	50	
BBT40-ER32-100	100		
BBT40-ER32-150	150		
BBT40-ER40-100	100	63	
BBT40-ER40-150	150		
BBT50-ER16-100	100	28	M24*3.0P
BBT50-ER16-150	150		
BBT50-ER20-150	150	34	
BBT50-ER25-150	150	42	
BBT50-ER32-100	100	50	
BBT50-ER32-150	150		
BBT50-ER40UM-100	100	63	
BBT50-ER40UM-150	150		



HRC58-60 材质: 20CrMnTi 精度: $\leq 0.005\text{mm}$ 转速: G2.5 25000RPM
HRC58-60 Material: 20CrMnTi Accuracy: $\leq 0.005\text{mm}$ Speed: G2.5 25000RPM

在高速加工时，增加刀柄的稳定性，降低刀柄在高速切削时造成的精度不佳的现象接触直径加大，有助于延伸倍数增加。
刀具稳定性提升，可增加刀具使用寿命，确保在换刀后重复定位精度
In high-speed machining, increase the stability of the tool holder. Reduce the poor accuracy of the tool holder during high-speed cutting.
The increase in contact diameter helps to increase the extension.
Improved tool stability can increase tool life and ensure repeated positioning accuracy after tool changea

Model	l1	l2	加持范围 Clamping Range	d1	d2	d3	T
BBT30-SK10-60	60	25	φ3-φ10	30	27.6		M12*1.75P
BBT30-SK10-90	90	55					
BBT30-SK16-60	60	27.7	φ3-φ16	40	40		
BBT30-SK16-90	90	57.7					
BBT30-SK20-60	60	37	φ3-φ20	48.5	48.5		
BBT30-SK20-90	90	67					
BBT40-SK10-60	60	22	φ3-φ10	30	27.6	40	M16*2.0P
BBT40-SK10-90	90	37.721					
BBT40-SK10-120	120	68.499					
BBT40-SK16-60	60	23.2	φ3-φ16	40	40		
BBT40-SK16-90	90	48.7					
BBT40-SK16-120	120	78.876					
BBT40-SK20-60	60	32	φ3-φ20	48.5	48.5		
BBT40-SK20-90	90	60					
BBT40-SK20-120	120	90					



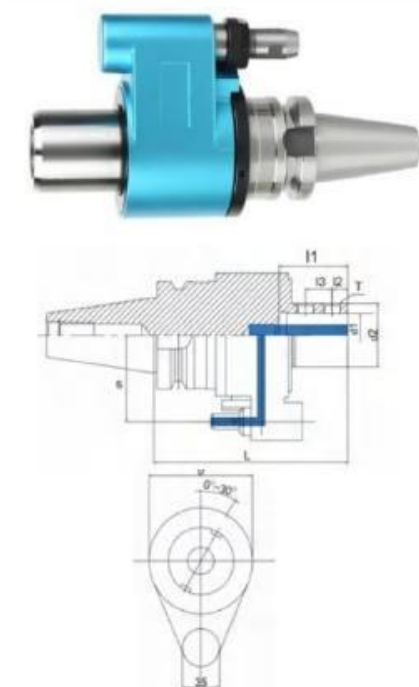
Model	L1	L2	L3	H	I1	I2	D	D1	d	重量 Weight	
BT40-OML20-140	140	96.7	57	78	20	20	φ83	φ49.5	20	3.74	
BT40-OML25-155	155	111.7		93					20	25	3.81
BT40-OML32-155		112								59	φ89
BT50-OML20-140	140	97	57	78	20		φ83	φ49.5	20	7.17	
BT50-OML25-155	155	112		93					20	25	7.39
BT50-OML32-155		112.7								59	95
BT50-OML40-160	160	117.7							40		

MT 油路刀柄 MT Side Lock Oil Hole Holders

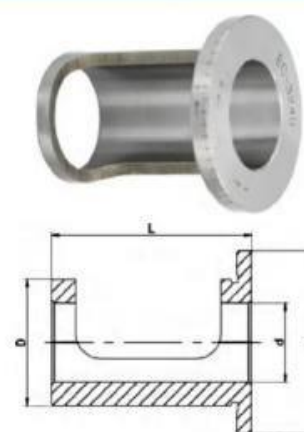


Model	L1	I1	I2	H	D	D1	d	重量 Weight
MT4-OML20-115	115	20	20	78	φ83	φ49.5	20	3.56
MT4-OML25-130	130			93			25	3.62
MT4-OML32-135	135				φ89	φ54.5	32	4.38
MT5-OML20-115	115	20		78	φ83	φ49.5	20	4.40
MT5-OML25-130	130			93			25	4.50
MT5-OML32-135	135				φ89	φ54.5	32	5.01
MT5-OML40-140	140				95	φ98	φ59.5	40
MT6-OML20-120	120			78	φ83	φ49.5	20	7.13
MT6-OML25-130	130	93		25			7.22	
MT6-OML32-135	135			φ89	φ54.5	32	7.85	
MT6-OML40-140	140			95		φ98	40	7.98

BT/OSL 油路刀柄 BT/OSL Oil Hole Tool Holders

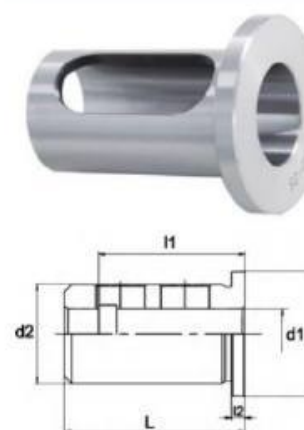


Model	L	I1	I2	I3	D	d1	d2	S	T	Weight
BT40-OSL16-150	150	48	25	-	82	16	49.5	65	M12-1.75P	3.10
BT40-OSL20-150		50				20				3.50
BT40-OSL25-165	165	56	15	20	82	25	49.5	65	M12-1.75P	3.50
BT40-OSL32-165		60				32				7.80
BT50-OSL16-165		48	25	-	98	16	59	80	M14-2.0P	7.00
BT50-OSL20-165		50				20			M12-1.75P	7.50
BT50-OSL25-165		56	15	20	98	25	59	80	M16-2.0P	7.50
BT50-OSL32-165		60				32				9.05
BT50-OSL40-165	165	62	25	-	98	40	59	80	M14-2.0P	8.50



Model	L	d	D1	D	Weight
EC20-25	48	20	41	25	0.19
EC25-32	60	25	49	32	0.21
EC32-40	65	32	58	40	0.23
EC40-50	76	40	68	50	0.24

OSL 油路刀套 OSL Sleeves



Model	L	I1	I2	D	d1	d2	Weight
OSL-20-16	54	48	5.5	30	16	20	0.07
OSL-25-16	60			35		20	25
OSL-25-20		56			0.15		
OSL-32-16	64	48		42	16	32	0.35
OSL-32-20		56			20		0.32
OSL-32-25					25		0.22
OSL-40-16	74	48		50	16	40	0.57
OSL-40-20		60			20		0.54
OSL-40-25					25		0.45
OSL-40-32					32		0.30

刀库导套 Tool Holder Sleeves

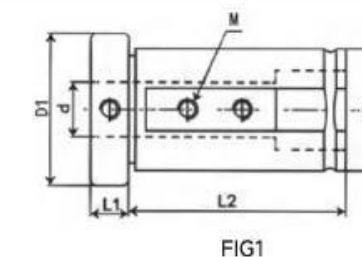


FIG1

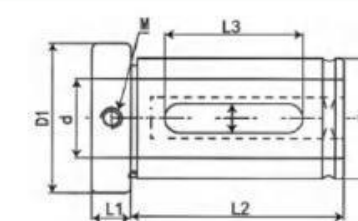


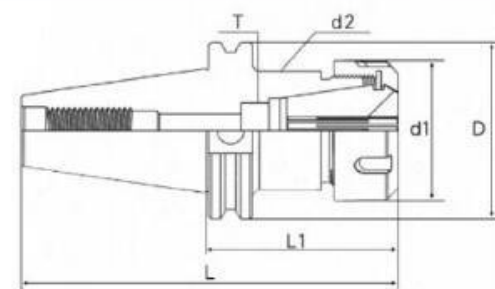
FIG2

Model	D	D1	L1	L2	L3	W	M	Fig
D20	4 , 6 , 8 , 10	28	12	50	42	8	M8	1
	12 , 16 , MT1 , MT2	28	12	50				2
D25	4 , 6 , 8 , 10 , 12	33	14	50	42	10		1
	16 , 20 , MT1 , MT2 , MT3	33	14	50				2
D32	4 , 6 , 8 , 10 , 12 , 16	39	14	70	58	10		1
	20 , 25 , MT1 , MT2 , MT3 , MT4	39	14	70				2
D40	6 , 8 , 10 , 12 , 16 , 20	46.5	15	80	65	12		1
	25 , 32 , MT1 , MT2 , MT3 , MT4	46.5	15	80				2
D50	6 , 8 , 10 , 12 , 16 , 20	58	15	-	-	-	-	-
	25 , 32 , 40 , MT1 , MT2 , MT3 , MT4							



ANSI B5.50 材质: 20CrMnTi 精度: $\leq 0.005\text{mm}$ 转速: $\geq 12000\text{rpm}$

ANSI B5.50 Material: 20CrMnTi Accuracy: $\leq 0.005\text{mm}$ Speed: $\geq 12000\text{rpm}$

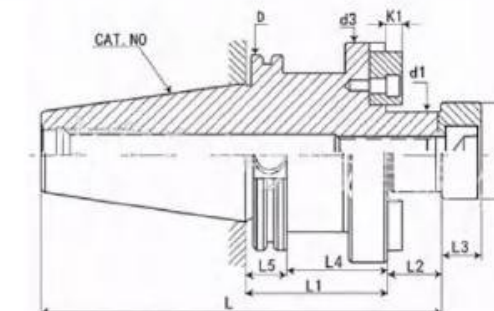


Model	L	L1	D	d1	d2	螺纹 Thread	KGS
CAT40-ER16-2.76"	5.447"	2.76"	2.5"	1.102"	1.75"	5/8"-11	1.05
CAT40-ER16-4"	6.687"	4"		1.102"			1.35
CAT40-ER16-6"	8.687"	6"		1.102"			1.65
CAT40-ER20-2.76"	5.447"	2.76"		1.339"			1.25
CAT40-ER20-4"	6.687"	4"		1.339"			1.65
CAT40-ER25-2.76"	5.447"	2.76"		1.654"			1.35
CAT40-ER25-4"	6.687"	4"		1.654"			1.70
CAT40-ER25-6"	8.687"	6"		1.65"			2.25
CAT40-ER32-2.76"	5.447"	2.76"		1.969"			1.25
CAT40-ER32-4"	6.687"	4"		1.969"			1.75
CAT40-ER32-5"	8.687"	6"		1.969"			2.15
CAT40-ER40-3.15"	5.837"	3.15"		2.480"			1.80
CAT40-ER40-4"	6.687"	4"		2.480"			2.05
CAT40-ER40-6"	8.687"	6"		2.480"			3.30
CAT40-ER50-4"	6.687"	4"		3.070"			2.65
CAT50-ER16-4"	8"	4"	3.875"	1.102"	2.75"	1"-8	4.10
CAT50-ER16-6"	10"	6"		1.102"			4.28
CAT50-ER20-4"	8"	4"		1.339"			4.20
CAT50-ER20-6"	10"	6"		1.339"			4.45
CAT50-ER25-4"	8"	4"		1.654"			4.15
CAT50-ER25-6"	10"	6"		1.654"			4.50
CAT50-ER32-4"	8"	4"		1.969"			4.70
CAT50-ER32-6"	10"	6"		1.969"			4.60
CAT50-ER40-4"	8"	4"		2.480"			4.25
CAT50-ER40-6"	10"	6"		2.480"			4.80
CAT50-ER50-4"	8"	4"		3.070"			4.85



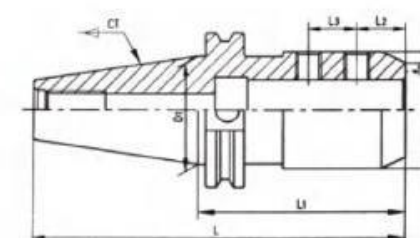
ANSI B5.50 材质: 20CrMnTi 精度: $\leq 0.005\text{mm}$ 转速: $\geq 12000\text{rpm}$

ANSI B5.50 Material: 20CrMnTi Accuracy: $\leq 0.005\text{mm}$ Speed: $\geq 12000\text{rpm}$

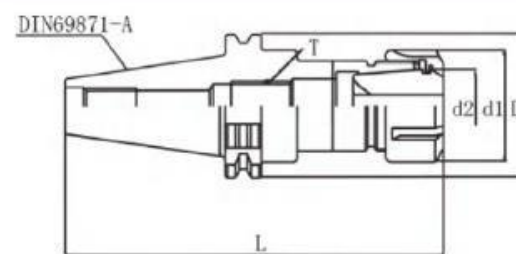


Model	L	L2	L4	L5	d1	d2	d3	k1	k2	螺母 M
CAT40-FMB22-45L	131.4	18	26	19.1	22	26	48	4.8	10	M10*1.5P
CAT40-FMB22-60L	146.4		41							
CAT40-FMB22-100L	186.4		81							
CAT40-FMB22-150L	236.4		131							
CAT40-FMB27-45L	133.4	20	26		27	33	58	5.8	12	M12*1.75P
CAT40-FMB27-60L	148.4		41							
CAT40-FMB27-100L	163.4		81							
CAT40-FMB32-60L	125.4	22	41		32	40	70	6.8	14	M16*2.0P
CAT40-FMB32-100L	165.4		81							
CAT40-FMB40-60L	128.4	25	41		40	50	80	8.3	16	
CAT40-FMB40-100L	168.4		81							
CAT50-FMB22-45L	164.75	18	26		19.1	22	26	48	4.8	10
CAT50-FMB22-60L	179.75		41							
CAT50-FMB22-100L	219.75		81							
CAT50-FMB22-150L	269.75		131							
CAT50-FMB27-45L	166.75	20	26	27		33	58	5.8	12	M12*1.75P
CAT50-FMB27-60L	181.75		41							
CAT50-FMB27-100L	221.75		81							
CAT50-FMB27-150L	271.75		131							
CAT50-FMB32-45L	168.75	22	26	32		40	70	6.8	14	M16*2.0P
CAT50-FMB32-60L	183.75		41							
CAT50-FMB32-100L	223.75		81							
CAT50-FMB32-150L	273.75		131							
CAT50-FMB40-50L	176.75	25	31	40		50	80	8.3	16	
CAT50-FMB40-70L	196.75		51							
CAT50-FMB40-100L	226.75		81							
CAT50-FMB40-150L	276.75		131							
CAT50-FMB50.8-60L	181.75	30	41	51	68	95	9.7	19	M24*3.0P	
CAT50-FMB50.8-100L	221.75		81							

CAT 侧固式立铣刀杆 CAT Side Lock End Mill Arbors

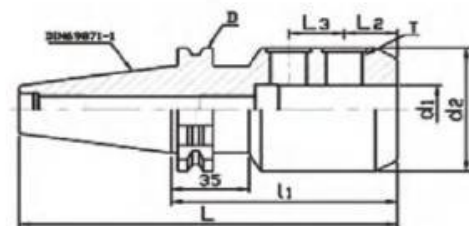


Model	L1	D	d	12	13
CAT40-SL0.4"-2"	2"	1.4"	0.4"	0.8"	
CAT40-SL0.475"-2"	2"	1.675"	0.475"	9"	
CAT40-SL0.65"-2.5"	2.5"	1.925"	0.65"	1"	
CAT40-SL0.8"-2.5"	2.5"	2.075"	0.8"	1"	
CAT40-SL1"-4"	4"	2.625"	1"	1"	1"
CAT40-SL1.25"-4"	4"	2.85"	1.25"	1"	1.125"
CAT50-SL0.475"-2.5"	2.5"	1.675"	0.475"	9"	
CAT50-SL0.65"-2.5"	2.5"	1.925"	0.65"	1"	
CAT50-SL0.8"-2.5"	2.5"	2.075"	0.8"	1"	
CAT50-SL1"-3.2"	3.2"	2.625"	1"	1"	1"
CAT50-SL1.25"-4"	4"	2.85"	1.25"	1"	1.125"
CAT50-SL1.6"-4.8"	4.8"	3.6"	1.6"	1.2"	1.275"
CAT50-SL2"-5.2"	5.2"	4"	2"	1.4"	1.4"

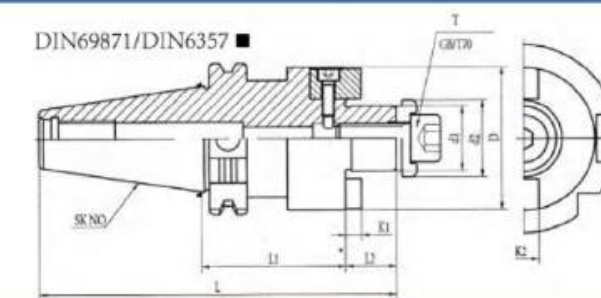


Model	L	L1	D	d1	d2	KGS	Model	L	L1	D	d1	d2	KGS
SK30-ER11-100	148.4	80	50	19	11	0.6	SK50-ER16-100	201.4	100	97.5	28	16	3.2
SK30-ER16-100	148.4	100		28	16	0.7	SK50-ER16-160	261.75	160		28	16	4.5
SK30-ER20-100	148.4	100		34	20	0.75	SK50-ER20-100	201.75	100		34	20	3.4
SK40-ER11-80	148.4	80	63.55	19	11	1.05	SK50-ER20-160	261.75	160		34	20	3.8
SK40-ER16-70	138.4	70		28	16	1.3	SK50-ER25-70	171.75	70		42	25	3.4
SK40-ER16-100	168.4	100		28	16	1.4	SK50-ER25-100	201.75	100		42	25	4.15
SK40-ER20-100	168.4	100		34	20	1.5	SK50-ER25-150	251.75	150		42	25	4.5
SK40-ER25-100	168.4	100		42	25	1.85	SK50-ER32-120	221.75	120		50	32	4.6
SK40-ER25-150	218.4	150		42	25	2.25	SK50-ER32-160	261.75	160		50	32	4.75
SK40-ER32-70	138.4	70		50	32	1.6	SK50-ER40-80	181.75	80		63	40	3.65
SK40-ER32-100	168.4	100		50	32	2	SK50-ER40-120	221.75	120		63	40	4.8
SK40-ER40-70	138.4	70		63	40	1.5	SK50-ER40-160	261.75	160		63	40	5.2
SK40-ER40-100	168.4	100		50	32	2	SK50-ER50-120	221.75	120		78	50	5.45
							SK50-ER50-160	261.75	160		78	50	5.55

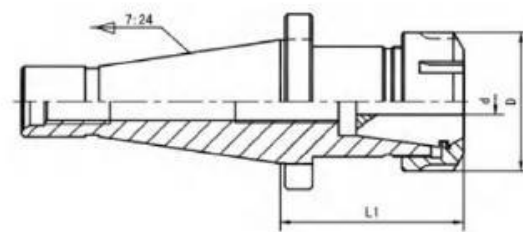
SK 侧固式立铣刀杆 SK Side Lock End Mill Arbors



Model	L	I2	I3	L2	d2	KGS
SK30-SLN12-50	97.8	50	42	22.5	42	0.9
SK30-SLN16-63	97.8	63	48	24	48	1.10
SK40-SLN16-63	131.4	63	48	24	48	1.4
SK40-SLN20-63	131.4	63	52	25	52	1.3
SK40-SLN25-100	168.4	100	65	24	65	2.4
SK40-SLN32-100	168.4	100	72	24	72	2.7
SK50-SLN20-100	164.75	63	52	25	52	3.5
SK50-SLN25-100	181.75	80	65	24	65	4.2
SK50-SLN32-100	201.75	100	72	24	72	5.0
SK50-SLN40-100	201.75	100	90	30	90	5.6



Model		d1	d2	D	L	L1	L2	K1	K2	T
SK30	FMB22-45	22	26	45	109.3	45	16.5	4.8	10	M12
	FMB22-60				124.3	60				
	FMB27-45	27	33	54	111.3	45	18.5	5.8	12	
	FMB27-60				126.3	60				
	FMB32-60	32	41	58	130.3	60	22	6.8	14	
SK40	FMB22-45	22	26	48	129.9	45	16.5	4.8	10	M16
	FMB22-60				144.9	60				
	FMB22-100				184.9	100				
	FMB22-150				234.9	150				
	FMB27-45	27	33	60	131.9	45	18.5	5.8	12	
	FMB27-60				146.9	60				
	FMB27-100				186.9	100				
	FMB27-150				236.9	150				
	FMB27-200	286.9	200	22	6.8	14				
	FMB32-60	32	41				62	150.4	60	
	FMB32-100							190.4	100	
	FMB32-150							240.4	150	
	FMB32-200			290.4	200					
	FMB40-60	40	48	80	153.4	60	25	8	16	
	FMB40-100				193.4	100				
	FMB40-150				243.4	150				
FMB40-200	293.4				200					
SK50	FMB22-60	22	26	48	178.25	60	16.5	4.8	10	M24
	FMB22-100				218.25	100				
	FMB22-150				268.25	150				
	FMB22-200				318.25	200				
	FMB27-60	27	33	60	180.25	60	18.5	5.8	12	
	FMB27-100				220.25	100				
	FMB27-150				270.25	150				
	FMB27-200				320.25	200				
	FMB32-60	32	41	73	183.75	60	22	6.8	14	
	FMB32-100				223.75	100				
	FMB32-150				273.75	150				
	FMB32-200				333.75	200				
	FMB40-60	40	48	80	186.75	60	25	8	16	
	FMB40-100				226.75	100				
	FMB40-150				276.75	150				
	FMB40-200				326.75	200				



DIN2080

Model	7:24 NO.	d	D	L1	Model	7:24 NO.	d	D	L1
NT30-ER11	30	1 ~ 7	19	50	NT40-ER32	40	2 ~ 20	50	70
NT30-ER16	30	1 ~ 10	28	63	NT40-ER40	40	3 ~ 26	63	60
NT30-ER20	30	1 ~ 13	34	63	NT40-ER50	40	6 ~ 34	78	100
NT30-ER25	30	1 ~ 16	42	63	NT50-ER16	50	1 ~ 10	28	63
NT30-ER32	30	2 ~ 20	50	63	NT50-ER20	50	1 ~ 13	34	60
NT30-ER40	30	3 ~ 26	63	75	NT50-ER25	50	1 ~ 16	42	60
NT40-ER16	40	1 ~ 10	28	63	NT50-ER32	50	2 ~ 20	50	70
NT40-ER20	40	1 ~ 13	34	60	NT50-ER40	50	3 ~ 26	63	70
NT40-ER25	40	1 ~ 16	42	60	NT50-ER50	50	6 ~ 34	78	90

NT-ER 套装铣夹头 NT-ER Collets Chuck Sets

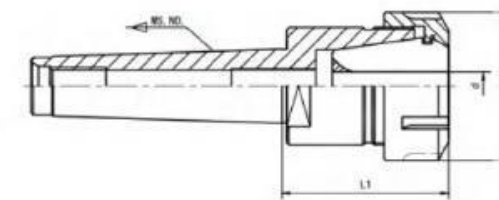


Model	数量 Qty.& 夹持范围 Clamping	后拉螺纹 Thread	Wt.	Model	数量 Qty.& 夹持范围 Clamping	后拉螺纹 Thread	Wt.
NT30-ER25	7PCS(2-16mm)	M12x1.75P	2.4	NT40-ER32	6PCS(6-20mm)	M16x2.0P	3.4
	15PCS(4-16mm)		2.8		11PCS(4-20mm)		3.8
NT30-ER32	6PCS(6-20mm)	M12x1.75P	2.8		18PCS(3-20mm)		4.8
	11PCS(4-20mm)		3.2	NT40-ER40	7PCS(6-25mm)	M16x2.0P	5.2
NT30-ER40	18PCS(3-20mm)	M12x1.75P	4.2		15PCS(4-26mm)		6.9
	7PCS(6-25mm)		4.6	NT50-ER32	23PCS(4-26mm)		8.2
NT40-ER25	15PCS(4-26mm)	M12x1.75P	6.0		6PCS(6-20mm)	M24x3.0P	5.3
	23PCS(4-26mm)		7.3	NT50-ER40	11PCS(4-20mm)		5.5
NT40-ER25	7PCS(3-16mm)	M16x2.0P	3.0		18PCS(3-20mm)		6.5
	15PCS(3-16mm)		3.3	NT50-ER40	7PCS(6-25mm)	M24x3.0P	7.0
					15PCS(4-26mm)		8.5
					23PCS(4-26mm)		9.8



Type B

Type A



Model	MS.NO.	d	D	L1	Model	MS.NO.	d	D	L1
MT2-ER11	MS2	1 ~ 7	19	35.3	MT3-ER40	MS3	3 ~ 26	63	71.7
MT2-ER16	MS2	1 ~ 10	28	44.3	MT4-ER16	MS4	1 ~ 10	28	46.5
MT2-ER20	MS2	1 ~ 13	34	53.3	MT4-ER20	MS4	1 ~ 13	34	51.7
MT2-ER25	MS2	1 ~ 16	42	57.7	MT4-ER25	MS4	1 ~ 16	42	46.7
MT3-ER16	MS3	1 ~ 10	28	49.3	MT4-ER32	MS4	2 ~ 20	50	74.2
MT3-ER20	MS3	1 ~ 13	34	56.2	MT4-ER40	MS4	3 ~ 26	63	69.7
MT3-ER25	MS3	1 ~ 16	42	55.7	MT5-ER40	MS5	3 ~ 26	63	69.2
MT3-ER32	MS3	2 ~ 20	50	65.7	MT5-ER50	MS5	6 ~ 34	78	85

MT-ER 套装铣夹头 MT-ER Collets Chuck Sets



Model	数量 Qty.& 夹持范围 Clamping	后拉螺纹 Thread	Wt.	Model	数量 Qty.& 夹持范围 Clamping	后拉螺纹 Thread	Wt.
MT2-ER16	8PCS(3-10mm)	M10x1.5P	1.0	MT3-ER40	7PCS(6-25mm)	M12x1.75P	4.5
MT2-ER20	11PCS(3-13mm)		1.2		15PCS(4-26mm)		6.0
MT2-ER25	7PCS(6-16mm)		1.3	MT4-ER32	23PCS(4-26mm)	M16x2.0P	7.2
	15PCS(2-16mm)	M12x1.75P	2.4		6PCS(6-20mm)		2.9
MT3-ER16	8PCS(3-10mm)		1.1	MT4-ER40	11PCS(4-20mm)		3.2
MT3-ER20	11PCS(3-13mm)		1.3		18PCS(3-20mm)		4.3
MT3-ER25	7PCS(4-16mm)		2.1	MT5-ER40	7PCS(6-25mm)	M20x2.5P	4.6
	15PCS(2-16mm)		2.5		15PCS(4-26mm)		6.1
MT3-ER32	6PCS(6-20mm)	M12x1.75P	2.7	MT5-ER40	23PCS(4-26mm)		7.3
	11PCS(4-20mm)		3.0		7PCS(6-25mm)	M20x2.5P	6.4
	18PCS(3-20mm)		4.1		15PCS(4-26mm)		6.9
					23PCS(4-26mm)		8.2



Model	D2	L	D	L1	筒夹 Collets	后拉螺纹 Thread
BT40-OZ25-80	3-25	80	60	30	OZ25	M16x2.0P
BT40-OZ25-120	3-25	120	60	30	OZ25	
BT40-OZ32-80	6-32	80	72	33	OZ32	
BT40-OZ32-150	6-32	150	72	33	OZ32	M24x3.0P
BT50-OZ25-90	3-25	90	60	30	OZ25	
BT50-OZ25-130	3-25	130	60	30	OZ25	
BT50-OZ32-105	6-32	105	72	33	OZ32	
BT50-OZ32-150	6-32	150	72	33	OZ32	

MAS403 材质: 20CrMnTi 转速: ≥ 12000RPM

MAS403 Material: 20CrMnTi Speed: ≥ 12000RPM

NT-OZ 铣刀柄 NT-OZ Collets Chucks



Model	D2	L	筒夹 Collets	后拉螺纹 Thread
NT30-OZ25	3-25	70	OZ25	M12x1.75P
NT30-OZ32	6-32	100	OZ32	
NT40-OZ25	3-25	70	OZ25	M16x2.0P
NT40-OZ32	6-32	70	OZ32	
NT50-OZ25	3-25	80	OZ25	M24x3.0P
NT50-OZ32	6-32	80	OZ32	

DN2080 材质: 20CrMnTi 转速: ≥ 12000RPM

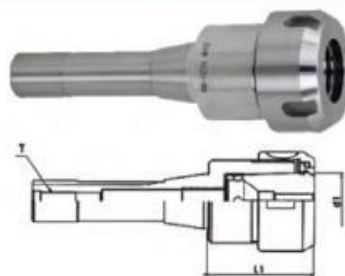
DN2080 Material: 20CrMnTi Speed: ≥ 12000RPM

MT-OZ 铣刀柄 MT-OZ Collets Chucks



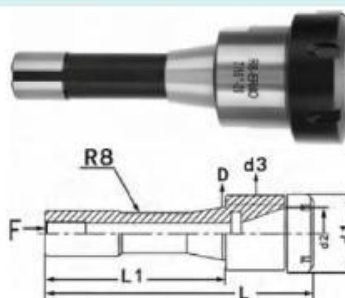
Model	D2	L1	筒夹 Collets	后拉螺纹 Thread
MT3-OZ25	3-25	60	OZ25	M12x1.75P
MT4-OZ25	3-25	60	OZ25	M16x2.0P
MT5-OZ25	3-25	75	OZ25	M24x3.0P
MT5-OZ32	6-32	75	OZ32	

R8-OZ 铣刀柄 R8-OZ Collets Chucks



Model	D2	L1	筒夹 Collets	后拉螺纹 Thread
R8-OZ25	3-25	60	OZ25	英制: 7/16-20UNF 公制: M12x1.75P

R8-ER 铣刀柄 R8-ER Collets Chucks

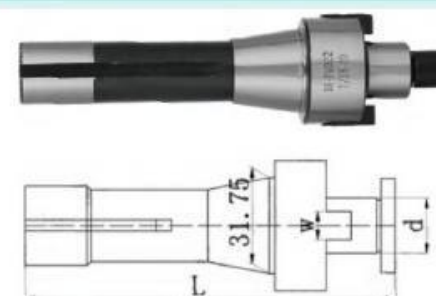


Model	后拉螺纹 Thread	d1	d2	d3	D	L	L1	筒夹 Collets
公制 R8-ER25	公制粗牙 M12*1.75	42	25	33	31.75	145	103	ER25
公制 R8-ER32		50	32	40		157		ER32
公制 R8-ER40		63	40	50		165		ER40
英制 R8-ER25	英制细牙 7/16-20UNF	42	25	33	31.75	145	103	ER25
英制 R8-ER32		50	32	40		157		ER32
英制 R8-ER40		63	40	50		165		ER40



OZ25 (EOCB25)	7PCS	Metric 公制	6, 8, 10, 12, 16, 20, 25mm
		Inch 英制	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"
OZ32 (EOCB32)	15PCS	Metric 公制	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 16, 18, 20, 25mm
		Inch 英制	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"
OZ32 (EOCB32)	8PCS	Metric 公制	3, 8, 10, 12, 16, 20, 25, 32mm
		Inch 英制	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4"
OZ32 (EOCB32)	15PCS	Metric 公制	6, 7, 8, 9, 10, 11, 12, 13, 16, 18, 20, 25, 30, 32mm
		Inch 英制	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/8", 1-1/4"

R8-FMB 铣刀柄 R8-FMB Milling Tool Holders



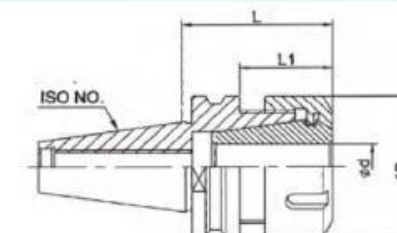
Model	d	W	L	Thread	Hole	Face Mill Size
R8-FMB22	22	10	155	M12 7/16-20UNF	22	50/63
R8-FMB27	27	12	160		27	80
R8-FMB32	32	14	160		32	100
R8-FMB40	40	16	170		40	125/160

FMB 铣削延长适配器 FMB Milling Extension Adaptors



Model	d	d1	d2	L	D
C48-FMB22-50L	22	22	105	50	48
C58-FMB22-50L	22	22	105	50	58
C58-FMB22-100L	22	22	105	100	58
C58-FMB27-50L	27	27	125	50	58
C58-FMB27-100L	27	27	125	100	58
C64-FMB32-50L	32	32	145	50	64
C64-FMB32-100L	32	32	145	100	64
C69-FMB40-50L	40	40	16.5	50	69
C69-FMB40-100L	40	40	16.5	100	69

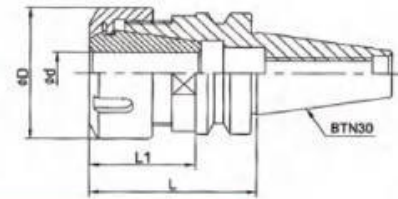
ISO 无键槽高速刀柄 ISO High Speed Collets Chucks without Keyway



精度: ≤ 0.005MM 材质: 20CrMnTi 转速: ≤ 30000RPM

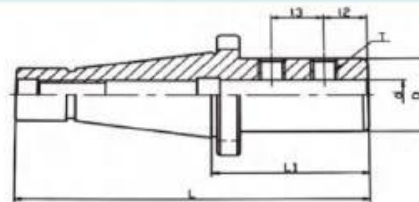
Accuracy: ≤ 0.005MM Material: 20CrMnTi Speed: ≤ 30000RPM

Model	Capacity	D	L	L1
ISO20-ER16MS-35	1-10	22	35	26
ISO25-ER20MS-35	1-13	28	35	26.2
ISO30-ER32UM-50	3-20	50	50	30.9

精度: $\leq 0.005\text{MM}$ 材质: 20CrMnTi 转速: $\leq 30000\text{RPM}$ Accuracy: $\leq 0.005\text{MM}$ Material: 20CrMnTi Speed: $\leq 30000\text{RPM}$

Model	范围 Capacity	D	L	L1
NBT30-ER16-70	1-10	28	60	38
NBT30-ER20-70	1-13	34		38
NBT30-ER25-70	1-16	42		38
NBT30-ER32-70	3-20	50		38

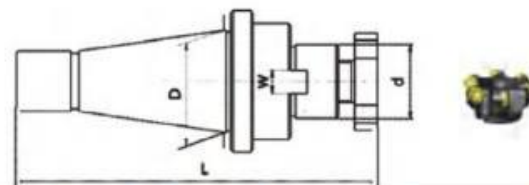
NT 侧固式铣刀杆 NT Side Lock End Mill Arbors



DIN2080

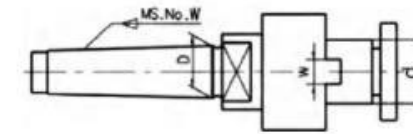
Model	L1	D	d	I2	I3
NT30-SLN20-63	63	52	20	25	-
NT30-SLN25-80	82	65	25	24	25
NT40-SLN20-63	63	52	20	25	-
NT40-SLN25-80	80	65	25	24	25
NT40-SLN32-80	80	72	32	24	28
NT50-SLN25-80	80	65	25	24	25
NT50-SLN32-80	80	72	32	24	28
NT50-SLN40-100	100	90	40	30	32
NT50-SLN42-100	100	90	42	30	32

NT-FMB 面铣刀柄 NT-FMB Face Mill Holders



DIN2080

Model	D	d	W	L
NT30-FMB22	31.75	22	10	129
NT30-FMB27		27	12	134
NT40-FMB22	44.45	22	10	156
NT40-FMB27		27	12	159
NT40-FMB32	69.85	32	14	178
NT50-FMB22		22	10	208
NT50-FMB27		27	12	211
NT50-FMB32		32	14	215
NT50-FMB40		40	16	219



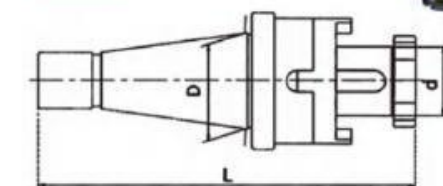
DIN228

Model	D	d	W
MT3-FMB22	23.825	22	10
MT3-FMB27		27	12
MT3-FMB32		32	14
MT3-FMB40		40	16
MT4-FMB22	31.267	22	10
MT4-FMB27		27	12
MT4-FMB32		32	14
MT4-FMB40		40	16
MT4-FMB50		50	18

NT 混合插入式铣刀杆 NT Combine Shell End Mill Arbors

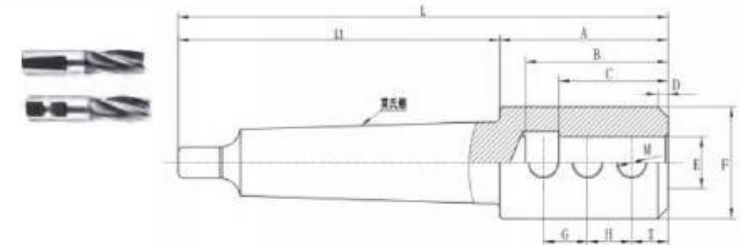


DIN2080



Model	Shank	d	L	Wt.
NT30-CEM13	ISO30	13	120	0.608
NT30-CEM16	ISO30	16	131	0.746
NT30-CEM22	ISO30	22	132	1.038
NT30-CEM27	ISO30	27	135	1.474
NT30-CEM32	ISO30	32	151	2.101
NT40-CEM16	ISO40	16	168	1.3
NT40-CEM22	ISO40	22	171	2.042
NT40-CEM27	ISO40	27	174	2.69
NT40-CEM32	ISO40	32	178	2.679

MT 侧固式铣刀杆 MT Side Lock End Mill Arbors



DIN228

Model	L1	L	A	B	C	D	E	F	G	H	I	M
MTA3-SLN20	99	164	65	55	42	4x45°	φ20	φ43	17	17	14	3-M12
MTA3-SLN25	99	174	75	60	44	5x45°	φ25	φ48	19	19	13.999	3-M12
MTA3-SLN32	99	182	83	73	59	5x45°	φ32	φ58	23	23	20	3-M14
MTA3-SLN40	99	194	95	85	68	5x45°	φ40	φ63	28	28	20	3-M16
MTA4-SLN20	124	189	65	55	42	4x45°	φ20	φ43	17	17	14	3-M12
MTA4-SLN25	124	199	75	60	44	5x45°	φ25	φ48	19	19	13.999	3-M12
MTA4-SLN32	124	207	83	73	59	5x45°	φ32	φ58	23	23	20	3-M14
MTA4-SLN40	124	219	95	85	68	5x45°	φ40	φ63	28	28	20	3-M16
MTA5-SLN20	156	221	65	55	42	4x45°	φ20	φ43	17	17	14	3-M12
MTA5-SLN25	156	231	75	60	44	5x45°	φ25	φ48	19	19	13.999	3-M12
MTA5-SLN32	156	239	83	73	59	5x45°	φ32	φ58	23	23	20	3-M14
MTA5-SLN40	156	251	95	85	68	5x45°	φ40	φ63	28	28	20	3-M16

油压机械结构，稳定性高

Oil Pressure Mechanical Structure, High Stability.

1. 确认拉力计上的拉栓规格是否与主轴夹爪的规格相对应
2. 将拉力计及主轴前端锥度部位擦拭干净后·夹持拉力计即可
3. 拉捍螺栓另购:

1. Confirm that the pull bolt specifications on the tension gauge correspond to the specifications of the spindle jaws.
2. After cleaning the tension gauge and the tapered part at the front end of the spindle, clamp the tension gauge.
3. Pull bolts are sold separately.



Model	测量范围 Measurement range	拉力范围 Tension range
ISO-20	0~50kg/cm ²	100~120kg
ISO-25	0~50kg/cm ²	100~150kg
ISO-30	0~50kg/cm ²	200~500kg
ISO-40	0~150kg/cm ²	500~1100kg
ISO-50	0~250kg/cm ²	1500~2200kg
ISO-60	0~650kg/cm ²	3500~5000kg
HSK-20A/C/E	0~120kg/cm ²	50~100kg
HSK-25A/C/E	0~150kg/cm ²	250~500kg
HSK-32A/C/E B/D/F	0~500kg/cm ²	300~600kg
HSK-40A/C/E B/D/F	0~600kg/cm ²	750~1500kg
HSK-50A/C/E B/D/F	0~1100kg/cm ²	1000~2000kg
HSK-63A/C/E B/D/F	0~1800kg/cm ²	1500~3000kg
HSK-80A/C/E B/D/F	0~2800kg/cm ²	2000~4000kg
HSK-100A/C/E B/D/F	0~7000kg/cm ²	6000~9000kg
HSK-160A/C/E B/D/F	0~11500kg/cm ²	10000~16000kg

为确保测量值的正确性·拉力计须在有预拉的情况下使用

To ensure the accuracy of the measured values, the dynamometer must be used under preload.

40 拉力计的调整方式如右图所示

The adjustment method for the 40-ton force gauge is shown in the diagram on the right.

例如:
指针所指外圈 100 位置·则实际拉力为 1,000kg-f

For example: If the pointer points to position 100 on the outer ring, then the actual pulling force is 1,000 kg-f.



请务必旋转拉栓，直到表针转动 1-2 格，以形成欲拉状态

Please be sure to rotate the pull-out bolt until the hands move 1-2 increments to achieve the desired pull-out position.

实测拉力:
以指针所指外圈之数值 x10·即为实测拉力 (kg-f)
Measured tensile force: Multiply the value indicated by the pointer on the outer ring by 10 to obtain the measured tensile force (kg-f).



特点: 油压机械式结构, 高稳定性
压力设计: 1kg/cm²=10kg=100N

Model	测量范围 Measurement range	参考拉力范围 Reference tensile force range	包装重量 Packaging weight
BT30	0~50kg/cm ²	200~500KG	4.2
BT40	0~150kg/cm ²	500~1100KG	4.3
BT50	0~250kg/cm ²	1500~2200KG	6.7

HSK 拉力计 HSK Grip Pull Force Gauges



特点: 油压机械式结构, 高稳定性
压力设计: 1kg/cm²=10kg=100N

Model	参考拉力范围 Reference tensile force range	测量范围 Measurement range
HSK32-PFG	300~600kg/f	0~100kg/cm ²
HSK40-PFG	750~1500kg/f	0~250kg/cm ²
HSK50-PFG	1000~2000kg/f	0~250kg/cm ²
HSK63-PFG	1500~3000kg/f	0~350kg/cm ²
HSK80-PFG	2000~4000kg/f	0~600kg/cm ²
HSK100-PFG	6000~9000kg/f	0~600kg/cm ²
HSK125-PFG		
HSK160-PFG	10000~16000kg/f	



Model	D	L	d	wt.
ES-20	20	160	10	0.28

作用:
夹持在机床上靠近工件找到准确位置用光电方式反馈信息给操作者。

Function:
It's mainly used to for marking the center position of the work-piece precisely in the CNC machining.

三点组合模具 Modular Concentricity Test Gauge



Model	锥度标准 Taper Standard	FIG
BT30	MAS403-BT	1
BT40	MAS403-BT	1
BT50	MAS403-BT	1
HSK63A	DIN69893	2
HSK100A	DIN69893	2
SK40	DIN69871	
SK50	DIN69871	

3D 寻边器 3D Edge Finders



行程 Stroke	精度 Accuracy	测头长度 Probe length	测头直径 Probe diameter	测头材质 Probe material
XY±10mm Z轴 6mm	0.01mm	50mm	4.0mm	红宝石 (比钢质测头更耐磨) Ruby (more wear-resistant than steel probes)



定中心杠杆表，用于确定工件内、外中心与机床主轴中心的相对位置。它具有当心轴旋转，指示器总是面对操作者的特点

Mode	分度值 Grad.(mm)	精度 Accuracy (mm)	测量范围 Range(mm)		直测头长度 Straight probe length (mm)	弯测头长度 Bend probe length (mm)	中心顶尖长度 Center tip length (mm)	夹持柄直径 Clamping handle diameter (mm)	量头直径 Measuring he diameter (mm)
1803-101	0.01	0.02	0-3		45,100,154	46,100,154	52.5	10	3
Model	分度值 Grad.(mm)		测量范围 Range(mm)		精度 Accuracy(mm)	测量深度 Depth(mm)	探针直径 Probe diameter	固定针直径 Fixed pin diameter	
	轴向	径向	轴向	径向					
	1804-101	0.003	0.01	0-10					0-6

机械寻边器 Machinery Edge Finders



普通有磁 / Ordinary magnetic



黄钛无磁 / Yellow Titanium non-magnetic



紫钛无磁 / Purple titanium non-magnetic



陶瓷 430 / Ceramic 430



陶瓷直身式 Ceramic straight body

适合转速: 400-600RPM
Suitable speed: 400-600RPM

应用场景: 传统铣床 / 综合加工机械
Application scenario:
Traditional milling machine Comprehensive processing machinery

ZDS-50T 机械带表 Z 轴设定仪 ZDS-50T Z-Axis Scale Zero Setters with Magnetic



直径 62mm
测量端面直径 44mm
高度 50mm

Diameter : 62mm
Measurement : 44mm
Height : 50mm

- 1、在 CNC、铣床、车床上设定刀长用
- 2、测量高度：50.00±0.01mm
- 3、测量面大，操作容易
- 4、弹簧力较小，可避免小铣刀或钻头断裂
- 5、用研磨过的平行板即可简单设定
- 6、平行度及各方面使用灵敏，精度更好

- 1、Set the tool length on CNC, milling machine, and lathe
- 2、Measurement height: 50.00 ± 0.01mm
- 3、Large measurement surface, easy to operate
- 4、Low spring force can prevent small milling cutters or drill bits from breaking
- 5、Simply set using a ground parallel plate

MDSK-50G 光电式 Z 轴设定仪 MDSK-50G Z-Axis Scale Zero Setters with Electro-optical



直径 54mm
测量端面直径 14mm
高度 49mm

Diameter : 54mm
Measurement : 14mm
Height : 49mm

- 1、高度 50mm
- 2、磁性底座
- 3、接触时红灯亮起
- 4、精度：0.005mm
- 5、可吸附做水平和垂直使用
- 6、重量：0.5kgs

- 1、Height 50mm
- 2、Magnetic base
- 3、Red light comes on when touched
- 4、Accuracy: 0.005mm
- 5、Can be adsorbed for horizontal and vertical use
- 6、Weight: 0.5kgs

TEG280 数显式 Z 轴设定仪 TEG280 Digital Z-Axis Scale Zero Setters



直径 55mm
测量端面直径 25mm
高度 49mm

Diameter : 55mm
Measurement : 25mm
Height : 49mm

- 1、精度 0.001mm
- 2、大面板数字带光显示
- 3、IP65 等级防水
- 4、5 分钟无操作自动断电
- 5、归“0”位灯光提示
- 6、高度公差值：±0.05mm

- 1、Precision 0.001mm
- 2、Large panel digital illuminated display
- 3、IP65 grade waterproof
- 4、Automatic power outage without operation for 5 minutes
- 5、Return to "0" position light prompt
- 6、Height tolerance value: ± 0.05mm

ZDS-100T 机械带表 Z 轴设定仪 (100mm 高) ZDS-100T Z-axis Scale Zero Setters with Magnetic meter (height 100mm)



直径 62mm
测量端面直径 44mm
高度 100mm

Diameter : 62mm
Measurement : 44mm
Height : 100mm

- 1、机械表盘设计、大测量面、操作更方便
- 2、弹簧力较小可避免小铣刀小钻头断裂
- 3、高度公差值：±0.01mm 可吸附水平面使用
- 4、精度测量值：0.01mm
- 5、重量：1.82KG
- 6、高度 100mm，属于加高型

- 1、Mechanical dial design, large measuring surface, and easy to operate
- 2、Low spring force can prevent small milling cutters and drill bits from breaking
- 3、Height tolerance value: ± 0.01mm can be adsorbed on a horizontal surface for use
- 4、Precision measurement value: 0.01mm
- 5、Weight: 1.82KG
- 6、Height 100mm, belonging to the elevated type

向下压 Press down



归 0 Return to 0

旋转 Rotation

转动表盘，使零转到顶部
Rotate the dial to turn zero to the top

向下压 Press down



旋转 Rotation

归 0 Return to 0

水平面 Horizontal plane

测量端面向下并下压使之与水平面平行
The measuring end faces downward and is pressed down to make it parallel to the horizontal plane.

缓慢下刀 slow



指针归 0 Pointer to 0

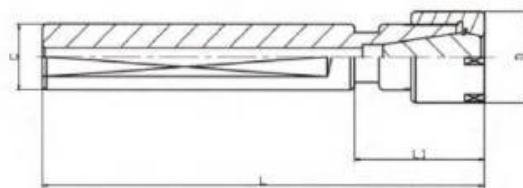
旋转百分表指针归零开始校正
Rotate the dial indicator pointer to zero and start calibration



+ 50mm
- 50mm

加 50mm 高度差或减 50mm 高度差
Add 50mm height difference or subtract 50mm height difference

将 Z 轴设定仪置于工件上，刀具接触测量面，请缓慢进刀使指针指在“0”则刀具与上把刀具距离相等，与工件的高度差距离是 50mm
Put the Z-axis setter on the workpiece, and the tool contacts the measuring surface. Slowly feed the tool so that the pointer is at "0". The distance between the tool and the upper tool is equal, and the height difference distance between the tool and the workpiece is 50mm



材质: 40Cr
硬度: HRC45
内孔同心度: 0.01mm

Material: 40Cr
Hardness: HRC45
Hole Concentricity: 0.01mm

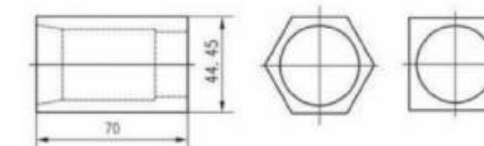
Model	L	L1	C	D
SL20-ER11-80	76.6	16.6	20	16
SL20-ER16-80	86.6	26.6	20	22
SL20-ER20-80	97	32	20	28
SL25-ER16-80	97	32	25	22
SL25-ER20-80	97	32	25	28
SL25-ER25-80	97	32	25	42
SL25-ER25-100	108	38	25	50
SL32-ER16-80	97	32	32	22
SL32-ER20-80	102	32	32	28
SL32-ER25-80	102	32	32	42
SL32-ER32-80	108	38	32	50
SL32-ER40-80	120	50	32	63
SL40-ER32-80	108	38	40	50
SL40-ER40-80	128	53	40	63
SL45-ER32-120	178	120	45	50
SL45-ER40-120	180	120	45	63
SL1-1/4"-ER25-60	97	60	1-1/4"	42
SL1-1/4"-ER32-60	103	60	1-1/4"	50
SL1-1/4"-ER40-60	120	60	1-1/4"	63
SL1-1/2"-ER32-80	118	80	1-1/2"	50
SL1-1/2"-ER40-75	135	75	1-1/2"	63

拉料器 Lathe Material Pullers



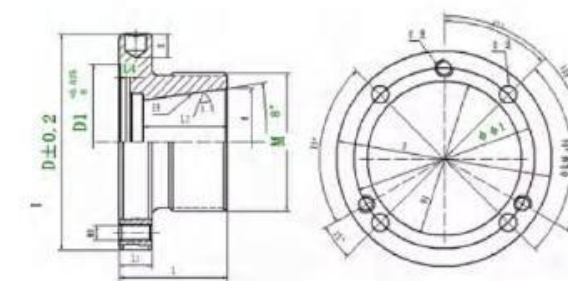
快速拉料，紧固不打滑
Fast pulling material, fastening without slipping

Mode	柄 (Shank)	加持范围 (Blessing range)
16	圆柄 (round handle)	2-50mm
20		2-50mm
25		2-50mm
32		2-50mm
16	方柄 (square handle)	2-50mm
20		2-50mm
25		2-50mm



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	1-3/4×1-3/4×2-3/4
夹头六方套 Hex for 5C collets	1-3/4×1-3/4×1-3/4×2-3/4
快速夹紧手柄 Quick acting lever collet closer	1-11/16×4
重量 Wt(kg)	1.41kg

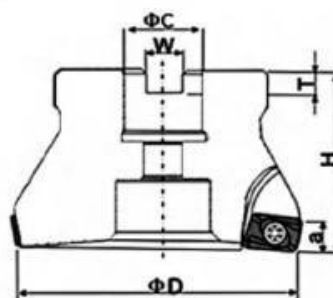
ER 夹头座 ER Chucks for Lathe Machines



Model	D	D1	φ1 固定螺丝中心距 Fixing screw center distance	M1 三均分 Three equal parts	φ 四均分 Four equal parts	L	L1	L3 装夹后总高度 Total height after clamping	L4 止口深度 Stop depth	M 螺母 Nut	螺母外径 Nut outer diameter
ER16-45	45	22	35		5	30	10	40	4	M22*1.5	28(A 型六角)
ER20-45	45	22	35		5	30	10	40	4	M25*1.5	34(A 型六角)
ER25-80	80	55	66	M6	6.5	40	12	55	6	M32*1.5	42
ER32-80	80	55	66	M6	6.5	40	12	55	6	M40*1.5	50
ER32-100	100	72	84	M8	8.5	40	12	55	6	M40*1.5	50
ER32-125	125	95	108	M8	8.5	40	12	55	6	M40*1.5	50
ER40-80	80	55	66	M6	6.5	40	12	55	6	M50*1.5	63
ER40-100	100	72	84	M8	8.5	40	12	55	6	M50*1.5	63
ER40-125	125	95	108	M8	8.5	40	12	55	6	M50*1.5	63
ER40-130	130	100	115	M8	8.5	40	12	55	6	M50*1.5	63
ER50-100	100	72	84	M8	8.5	50	18	78	6	M64*2	78
ER50-125	125	95	108	M8	8.5	50	18	78	6	M64*2	78
ER50-130	130	100	115	M8	8.5	50	18	78	6	M64*2	78
ER50-160	160	130	142	M8	8.5	50	18	78	6	M64*2	78



CNC Inserts Need To Be Purchased Separately.

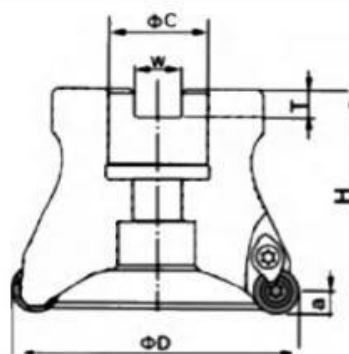


Model	Size(mm)						圆形坐垫 Circular Cushin	适用刀片 Applicable Inserts	夹紧螺丝 Clamp Screw	扳手 Wrench
	D	C	H	W	T	a				
RAP400R-50-22-4T	40	16	45	8.5	5	8		APMT 1604 PDER	M4×10	T15
RAP400R-63-22-4T	63	22	50	10.4	6.3	8				
RAP400R-80-27-5T	80	27	50	12.4	7	8				
RAP400R-100-32-6T	100	32	50	14.4	8	8	FMB-32-SHIM			
RAP400R-125-40-6T	125	40	63	16.4	9	8	FMB-40-SHIM			
RAP400R-160-40-6T	160	40	63	16.4	9	8	FMB-40-SHIM			
RAP400R-200-60-9T	200	60	63	25.7	14	8				

EMR 通用型圆鼻铣刀盘 EMR Round Dowel Face Mills



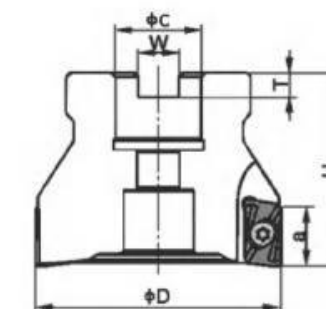
CNC Inserts Need To Be Purchased Separately.



Model	Size(mm)						圆形坐垫 Circular Cushin	适用刀片 Applicable Inserts	夹片 Clamp piece	夹钳 Clamp	扳手 Wrench
	D	C	H	W	T	a					
EMR-5R-50-22-4T	50	22	50	10.4	6.3	5		RPMW1003	A-5R	M4×10	T15
EMR-5R-63-22-4T	63	22	50	10.4	6.3	5					
EMR-5R-80--27-6T	80	27	50	12.4	7	5	FMB-32-SHIM				
EMR-5R-100-32-6T	100	32	50	14.4	8	5					
EMRW-6R-50-22-4T	50	22	50	10.4	6.3	6		RPMT1204	A-6R		
EMRW-6R-63-22-4T	63	22	50	10.4	6.3	6					
EMRW-6R-80-27--6T	80	27	50	12.4	7	6					
EMRW-6R-100-32-6T	100	32	50	14.4	8	6	FMB-32-SHIM				
EMRW-6R-125-40-6T	125	40	63	16.4	9	6	FMB-40-SHIM				



CNC Inserts Need To Be Purchased Separately.

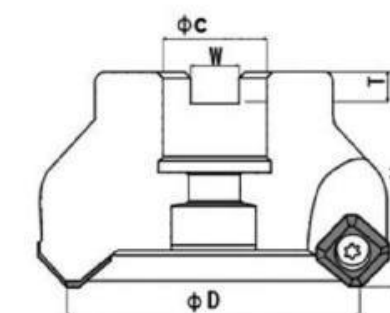


Model	Size(mm)						圆形坐垫 Circular Cushin	适用刀片 Applicable Inserts	夹紧螺丝 Clamp Screw	扳手 Wrench
	D	C	H	W	T	a				
TAP400R-50-22-4T	50	20	50	10.4	6.3	14		APMT 1604 PDER	M4×10	T15
TAP400R-63-22-4T	63	22	50	10.4	6.3	14				
TAP400R-80-27-6T	80	27	50	12.4	7	14				
TAP400R-100-32-6T	100	32	50	14.4	8	14	FMB-32-SHIM			
TAP400R-125-40-6T	125	40	63	14.4	8	14	FMB-40-SHIM			
TAP400R-160-40-9T	160	40	63	14.4	8	14	FMB-40-SHIM			
TAP400R-200-60-12T	200	60	63	25.7	14	14				
TAP400R-250-60-12T	250	60	63	25.7	14	14				

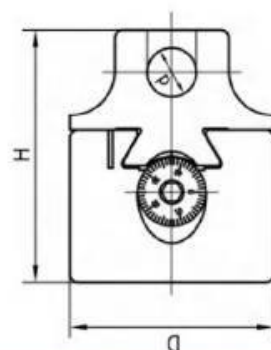
KM-45°壳型铣刀盘 KM-45° Face Mills



CNC Inserts Need To Be Purchased Separately.



Model	Size(mm)					圆形坐垫 Circular Cushin	适用刀片 Applicable Inserts	夹紧螺丝 Clamp Screw	扳手 Wrench
	D	C	H	W	T				
KM12-50-22-4T	50	22	50	10.4	6.3		SEKT1204	A501105D M5×11	T20F T20
KM12-63-22-4T	63	22	50	10.4	6.3				
KM12-80-27-5T	80	27	50	12.4	7				
KM12-100-32-5T	100	32	50	14.4	8	FMB-32-SHIM			
KM12-125-40-6T	125	40	63	16.4	8	FMB-40-SHIM			
KM12-160-40-9T	160	40	63	16.4	9	FMB-40-SHIM			



Model	D	H	最大偏移量 Max Offset	镗杆直径 Boring BarDia	最小调整 Min Graduation	镗孔直径 Dia.of Boring
F1-1/2"	50mm	63mm	5/8"	1/2"	0.001"	3/8" - 5"
F1-3/4"	75mm	80mm	1"	3/4"	0.0005"	1/2" - 9"
F1-1"	100mm	97mm	1-5/8"	1"	0.0005"	5/8" - 12.5"
F1-12mm	50mm	63mm	16mm	12mm	0.01mm	10 - 125mm
F1-18mm	75mm	80mm	25mm	18mm	0.01mm	12 - 225mm
F1-25mm	100mm	97mm	41mm	25mm	0.01mm	15 - 320mm

F1 型镗刀 F1 Rough Boring Cutters



9PCS for 12mm



12PCS for 18mm



6PCS for 25mm

公制 Metric			英制 Inch		镗刀数量 Qty.of Boring Cutters
钻孔直径 Dia.of Boring Holes	镗头直径 Dia.of Boring Heads	钻孔范围 Boring Capacity	镗头直径 Dia.of Boring Heads	钻孔直径 Dia.of Boring Holes	
F1-12mm	50mm	10-125mm	F1-2"	1/2"	9PCS
F1-18mm	75mm	12-225mm	F1-3"	3/4"	12PCS
F1-25mm	100mm	15-320mm	F1-4"	1"	6PCS

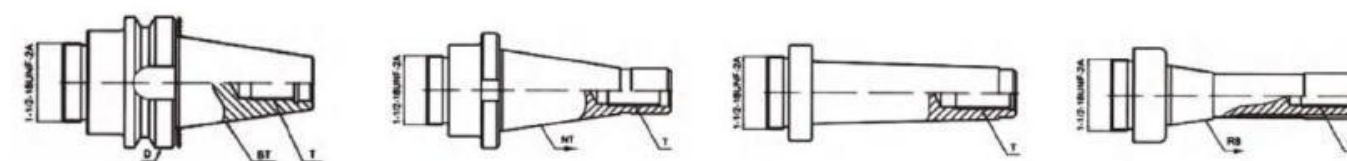
F1 型可换机夹刀杆 Boring Cutters with Replaceable Inserts



Model	长度 Length(mm)	搭配刀片 Matching Insert	Model	长度 Length(mm)	搭配刀片 Matching Insert
2"-6pcs	70	CCMT06	3"-7pcs	80	TCMT09
	75	TCMT09		80	CCMT06
	80	CCMT06		90	CCMT06
	90	TCMT11		90	CCMT09
	90	TCMT11		110	TCMT11
	105	TCMT09		115	TCMT11
				120	TCMT11



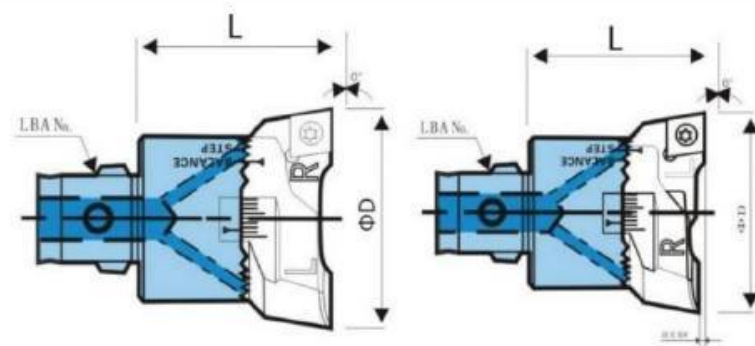
Model	T	L	Wt.
BT30	M12-1.75P	82.7	0.5
BT40	M16-2.0P	102	1.24
BT50	M24-3.0P	134	3.97
NT30	M12-1.75P	102	0.6
NT40	M16-2.0P	135	1.2
NT50	M24-3.0P	168	3.14
MT2	M10-1.5P	108	0.4
MT3	M12-1.75P	128	0.44
MT4	M16-2.0P	154	0.95
MT5	M24-3.0P	185	1.7
R8	M12-1.75	132.5	0.6
R8	7/16-20UNF	132.5	0.6



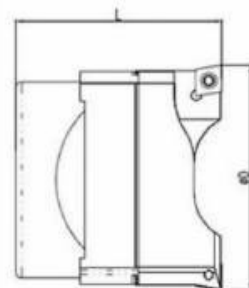
* 订购时请注明详细尺寸; 例如: F1-R8-18mm

*Please state the detailed size when ordering; e.g.: F1-R8-18mm

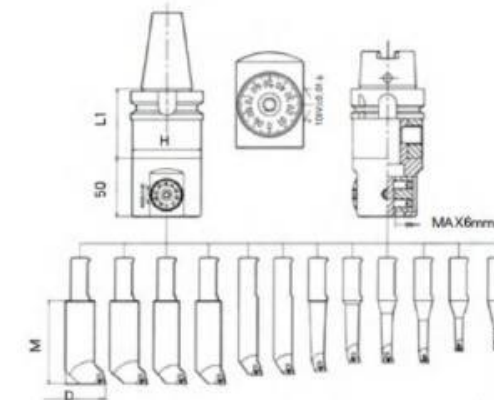
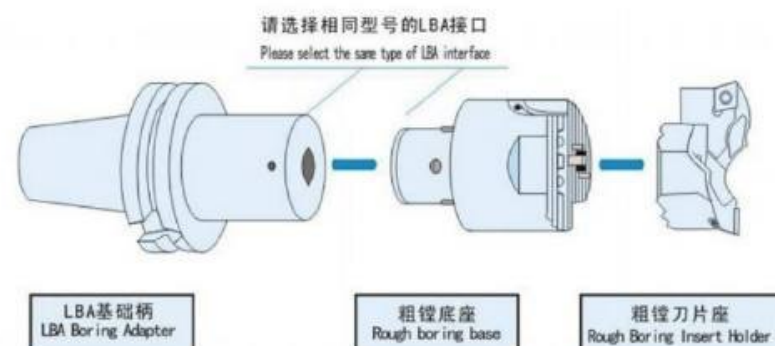




镗头型号 Specification	刀柄接口 LBA No.	镗孔范围 Boring Range ϕD	L	刀片型号 / 螺丝 / 扳手 Insert/Screw/Wrench	重量 Weight(kg)
RBA20-25	LBK1(11mm)	20-25mm	33mm	CCMT06020*/M2.5/T8	0.05
RBA25-33	LBK2(14mm)	25-33mm	37mm		0.1
RBA32-45	LBK3(18mm)	32-45mm	41mm		0.2
RBA40-55	LBK4(22mm)	40-55mm	50mm	CCMT09T30*/M4.0/T15	0.4
RBA52-75	LBK5(28mm)	52-75mm	59mm		0.8
RBA68-95	LBK6(36mm)	68-95mm	70mm	CCMT12040*/M5.0/T20	1.6
RBA90-110		90-110mm			1.7



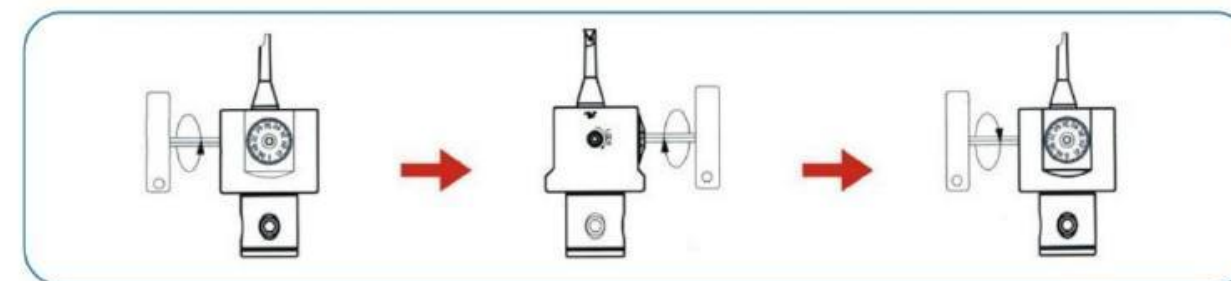
镗头型号 Specification	镗头刀柄 Boring adapter	镗孔范围 Boring Range ϕD	L	刀片型号 / 螺丝 / 扳手 Insert/Screw/Wrench	重量 Weight(kg)
RBA110-160	BST	110-160mm	99mm	CCMT12040*/M5.0/T20	3.5
RBA160-204		160-204mm	99mm		3.9



镗头型号 Model	外形尺寸 D*d*L(mm) Dimensions	微调行程 (mm) Fine-Tune The Stroke	微调精度 (mm) Fine-tuning Accuracy	镗孔范围 (mm) Boring template	适配刀柄 Adaptable tool holder	接头直径 Connector diameter	重量 (KG)
NBJ16	63*16*50	6	0.01	6-51	LBK 系列	36	1.6

NBJ16 精镗刀套装配件表 Nbj16 Fine Boring Tool Set Accessories List

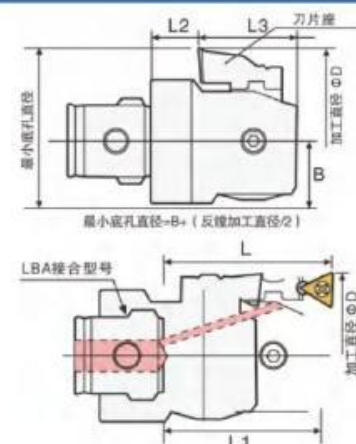
配件名称 Accessory name	配件型号 Accessory model	配件数量 / 个 Accessories quantity/piece	适配刀片型号 Compatible Insert model	镗孔范围 MM Boring range
NBJ16 本体	NBJ16	1	—	6-51
LBK 刀柄	BT40-LBK6-65L	1	—	—
1号镗刀杆	SBJ1608-32	1	TBGT0601**L	8-11
2号镗刀杆	SBJ1610-40	1	TBGT0601**L	10-13
3号镗刀杆	SBJ1612-53	1	TPGH0902**L	12-15
4号镗刀杆	SBJ1616-68	1	TPGH0902**L	16-21
5号镗刀杆	SBJ1620-83	1	TPGH1103**L	20-26
6号镗刀杆	SBJ1625-90	1	TPGH1103**L	25-31
7号镗刀杆	SBJ1630-90	1	TPGH1103**L	30-36
8号镗刀杆	SBJ1640-90	1	TPGH1103**L	40-46



松开锁紧螺丝
Loosen lock screw

旋转调节螺丝，调整刻度至所需尺寸（每小格 0.01mm）
Turn the adjusting screw to adjust the scale to the desired size (0.01mm)

旋紧锁紧螺丝
Tighten lock screw



镗头型号 Specification	刀片座 Insert holder	正镗			反镗			刀柄接口 LBANo.	刀片型号螺丝 / 扳手 Insert/Screw/Wrench	重量 Weight (kg)
		镗孔范围 Boring Range φD (mm)	L (mm)	L1 (mm)	镗孔范围 Boring Range φD (mm)	L2	L3	B		
CBA20	ENH1-1	20-25	30	27	/	10.5	19	10	LBK1 (11mm)	0.05
	ENH1-2	25-29			30-31					
	ENH1-3	30-34			30-36					
CBA25	ENH2-1	25-33	34	31	/	11.5	21	12.5	LBK2 (14mm)	0.15
	ENH2-2	32-40			36-40					
	ENH2-3	39-47			39-47					
CBA32	ENH3-1	32-43	41	37	/	10	25	16	LBK3 (18mm)	0.25
	ENH3-2	41-51			46-51					
	ENH3-3	50-60			50-60					
CBA40	ENH4-1	41-56	50	42	/	14	29	20	LBK4 (22mm)	0.45
	ENH4-2	51-67			53-63					
	ENH4-3	64-77			64-79					
CBA52	ENH5-1	52-74	60	56	62-70	19	34	25.5	LBK5 (28mm)	0.9
	ENH5-2	64-87			65-82					
	ENH5-3	77-100			78-95					
CBA68	ENH6-1	68-103	70	66	80-100	22	45.2	32.5	LBK6 (36mm)	1.75
	ENH6-2	95-128			94-126					
	ENH6-3	118-153			118-150					
CBA100	ENH6-1	100-152	70	66	112-153	22	45.2	45.5	LBK6 (36mm)	2.46
	ENH6-2	126-179			126-179					
	ENH6-3	151-203			150-203					

- 每一个镗头本体均配有三个不同加工范围的刀片座。来扩大本体的加工尺寸。
- Each boring head is equipped with three different insert holders to extend boring ranges.
- CBA 精密镗头均具备内冷却功能，延长刀片使用寿命。
- The service life of insert will be prolonged with internal cooling design.
- 每格调整尺寸为直径 0.01mm。
- Each division for the adjustment is 0.01mm
- 所有单刃精密镗头刀片座都是自带不需要购买:2 号 3 号刀片座需要另外购买。
- Notice: No.1 insert hold is included in the price of boring tool, while NO.2 and NO.3 insert holders shall be ordered separately



镗头型号 Specification	Inserts	对应镗头 Boring head	镗孔范围 Boring range
刀片座 ENH1-1 Insert holder ENH1-1	TP08020	CBA20	20-26mm
刀片座 ENH1-2 Insert holder ENH1-2			25-31mm
刀片座 ENH1-3 Insert holder ENH1-3			30-36mm
刀片座 ENH2-1 Insert holder ENH2-1		CBA25	25-33mm
刀片座 ENH2-2 Insert holder ENH2-2			32-40mm
刀片座 ENH2-3 Insert holder ENH2-3			39-47mm
刀片座 ENH3-1 Insert holder ENH3-1		CBA32	32-42mm
刀片座 ENH3-2 Insert holder ENH3-2			41-51mm
刀片座 ENH3-3 Insert holder ENH3-3			50-60mm
镗头型号 Specification	Inserts	对应镗头 Boring head	镗孔范围 Boring range
刀片座 ENH4-1 Insert holder ENH4-1	TP08020	CBA40	40-55mm
刀片座 ENH4-2 Insert holder ENH4-2			51-66mm
刀片座 ENH4-3 Insert holder ENH4-3			64-79mm
刀片座 ENH5-1 Insert holder ENH5-1	TC11020	CBA52	52-75mm
刀片座 ENH5-2 Insert holder ENH5-2			70-93mm
刀片座 ENH5-3 Insert holder ENH5-3			89-112mm
刀片座 ENH6-1 Insert holder ENH6-1		CBA68	68-100mm
刀片座 ENH6-2 Insert holder ENH6-2			94-125mm
刀片座 ENH6-3 Insert holder ENH6-3			118-150mm

镗孔范围
Boring Range

刀杆型号 Model	范围 (mm) Range	深度 Depth	夹持柄长 Clamping Holder Length	总长 Total Length	适配刀片 Adapter Inserts	螺钉 Screws	扳手 Wrench
SBJ-2008-32	8~11	32	20	80	TBGT0601.L	M2X5	T6
SBJ-2010-40	10~13	40	20	87	TBGT0601.L	M2X5	T6
SBJ-2012-53	12~17	53	20	98	TPGT0902.L	M2.5X6	T8
SBJ-2016-68	16~21	68	20	110	TPGT0902.L	M2.5X6	T8
SBJ-2020-83	20~130	83	20	123	TPGT1103.L	M3X7	T8
SBJ-2025-96	25~135	96	20	137	TPGT1103.L	M3X7	T8
SBJ-2030-115	30~140	115	20	152	TPGT1103.L	M3X7	T8
SBJ-20L20-100	120~280	84+BTL1	20	100	TPGT1103.L	M3X7	T8

使用步骤 / Operating Instructions

步骤一：选择加工范围内刀杆（图），置于镗头安装孔内（A图B图C图），使刀杆削平面对准固定螺丝紧固方向，并确认刀尖处于镗头微调下方向；

步骤二：松开微调锁紧螺钉（图）逆时针旋转；

步骤三：调整微调旋钮（图）逆时针使加工尺寸增大，反之减少。调整尺寸时，请按同方向微调，以确保微调精度。精度为每小格 0.005mm

步骤四：微调至所需尺寸后，以适当扭力锁紧微调锁紧螺钉（图）顺时针旋转。

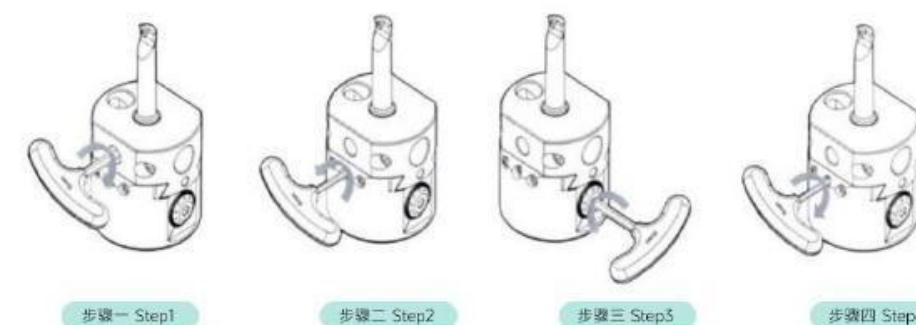
Step1: Hold right boring bar(See figure 6) in right hole(See pic A,B,C). Make sure weldon part of bar is to the position of lok screw and cutting edge of boring bar is to the position of adjusting panel.

Step2: Loosen adjusting screw anti-clockwise.

Step3: Enlarge the boring diameter by adjusting on the adjusting panel(See figure 2) anti-clockwise, while adjusting clockwise is to reduce the boring range.

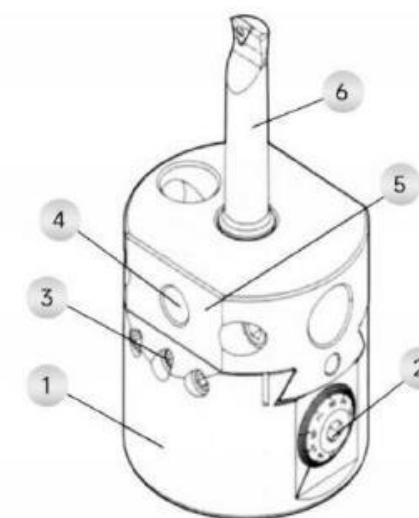
Step4: Adjust till the boring diameter required and lock the adjusting screw properly.

操作示意图 Instruction



产品结构 / Manuals

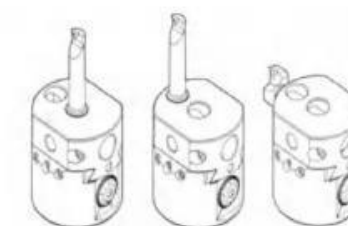
- 1 镗头本体 Tool body
- 2 微调旋钮 Adjusting Panel
- 3 微调锁紧螺钉 Adjusting screw
- 4 镗刀杆锁紧螺钉 Locking screw
- 5 移动滑块 Part
- 6 镗刀杆 Boring bar



使用者注意事项 / Notices Of The User

1. 请在加工范围内（8-280mm）使用。
2. 调整微调旋钮前必须松开微调锁紧螺钉，否则会导致微调机构损坏。
3. 请使用专用扳手固定微调锁紧螺钉，扭力要适当，过紧会导致芯轴移位。过松会造成精度不良。
4. 本产品为精密机构，当阻力过大微调刻度盘无法旋转时，请立即停止调整，并确认以下事项。
A. 微调锁紧螺钉是否松开；
B. 是否超出调整范围；
C. 当过度旋转调整刻度盘会微调导致精密机构损坏。

1. Please use this tool within work range(8-280mm).
2. Please loosen the adjusting screw before ad justing.
3. Please fasten the adjusting knob by means of special wrench properly.
4. Please stop the adjustmant when it is faced with a strong resistance.Or it is not able to go on And make sure.
A If the locking screws is unlocked;
B.If the adjustment is within the suggested work range;
C.Over adjustment will bring damage to the tool irreversibly.



使用步骤 / Operating Instructions

准备工作：须先确认刀片按照是否匹配，刀片座紧固螺丝是否锁紧

步骤一：松开微调锁紧螺钉（逆时针旋转）图

步骤二：旋转微调刻度盘（图）顺时针旋转使加工直径增大，逆时针旋转加工直径缩小（刻度盘每一格为直径 0.01mm）

步骤三：调整尺寸加工时，请按同方向选转结束，以确保微调精度

步骤四：以适当力度扭紧微调锁紧螺钉（顺时针旋转）图完成调整

Checking before adjustment: Make sure right inserts mounted and screw for insert holder fastened properly.

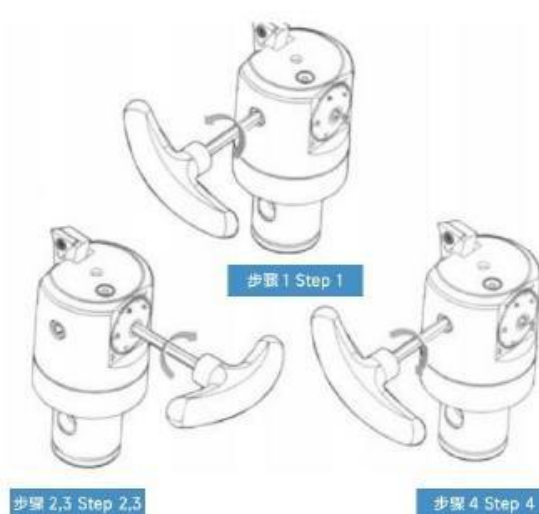
Step 1: Unlock the clamping screw (See figure 1) anti-clockwise.

Step 2: Move the insert holder (See figure 2,3) to the required working diameter according to the reference line marked on the tool and insert holder.

Step 3: Fasten the clamping screws (See figure 4) clockwise.

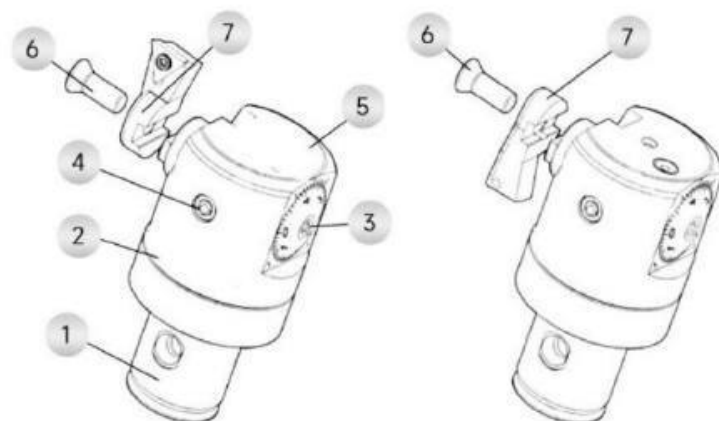
Step 4: Loosen the locking screw (See figure 1) anti-clockwise.

操作示意图 Instruction



产品结构 / Manuals

- 1 镗头柄部 Connection part
- 2 镗头本体 Tool body
- 3 微调刻度盘 Adjusting scales
- 4 微调锁紧螺钉 Locking screw
- 5 注油孔 oil-feed hole
- 6 刀片座锁紧螺钉 Clamping screw
- 7 刀片座 Insert holder



使用者注意事项 / Operating Instructions

1. 请在调整范围内加工使用。
2. 调整微调刻度盘前，必须松开微调锁紧螺钉，否则会对内部精密机构造成损坏。
3. 本品是由调整微调刻度盘带动精密螺杆旋转，来实现刀片座移动。
在阻力过大或无法旋转时，请立即停止调整，并确认以下事项：
A. 微调锁紧螺钉是否松开；
B. 是否超出调整范围。
4. 使用反镗功能时，主轴必须反转。
5. 用户须注入润滑油（图），润滑油的注入量以从刻度盘周围渗出为止，润滑油的作用不但起到润滑的作用，还可以清除渗入冷却液和杂质，为了防止长时间不使用而使润滑油脂硬化，请定期转动刻度盘。6. 请客户不要自行拆开镗头。
1. Use this tool within the suggested boring range. 2. Please loosen the adjusting screw before adjusting.
3. Please stop the adjustment when it is faced with a strong resistance. And make sure:
A. If the locking screws is unlocked;
B. If the adjustment is within the suggested work range;
4. The machine spindle shall run anti-clockwise when the function of back boring is adopted.
5. Lubrication grease shall be injected through the oil-feed hole properly (till some lubrication grease can be found on the face of adjusting panel).
6. Disassembling of the tool without suggestion is not suggested.

使用步骤 / Operating Instructions

步骤一：选择加工范围内刀杆，至于镗头按照孔内，使刀杆削平面对准固定螺丝紧固方向，并确认刀尖处于镗头微调正方向，扭紧刀杆锁紧螺钉（图）

步骤二：松开微调锁紧螺钉（图）逆时针旋转。

步骤三：调整微调旋钮（图）顺时针使加工尺寸增大，反之减少。调整尺寸时，请按同方向微调，以确保微调精度。精度为每一格 0.01mm

步骤四：微调至所需尺寸后，以适当扭力锁紧微调锁紧螺钉（图）顺时针旋转。

Step 1: Hold right boring bar in right hole. Make sure weldon part of boring bar is to the position of lock screw

and cutting edge of boring bar is to the position of adjusting panel. Fasten the locking screw properly.

Step 2: Loosen adjusting screw (see figure 4) anti-clockwise.

Step 3: Enlarge the boring diameter by adjusting on the adjusting panel (See figure 2) anti-clockwise, while

clockwise is to reduce the boring range.

Step 4: Adjust till the boring diameter required and lock the adjusting screw properly.

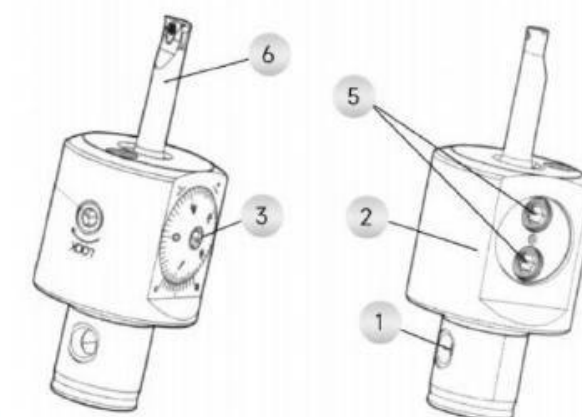
adjusting

操作示意图 Instruction



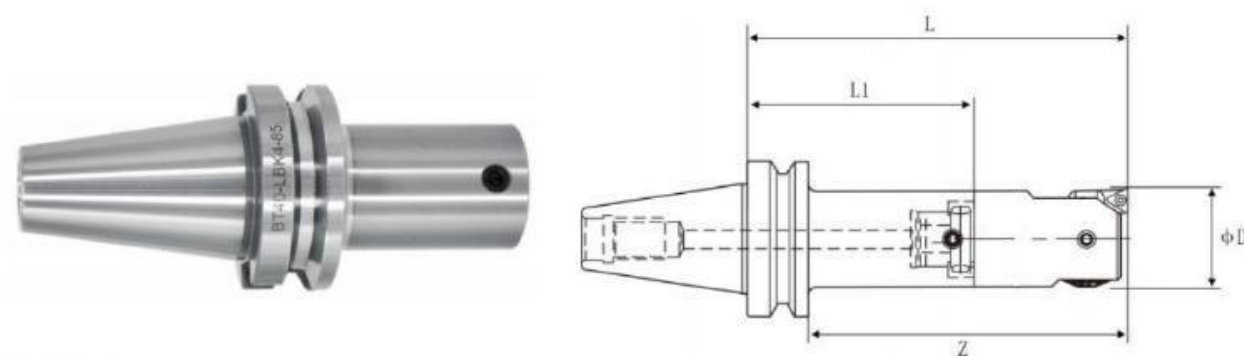
产品结构 / Manuals

- 1 镗头柄部 Connection part
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- 3 微调刻度盘 Adjusting scales
- 4 微调锁紧螺钉 Locking screw
- 5 镗刀杆锁紧螺钉 Mounting screw
- 6 镗刀杆 Boring bar



使用者注意事项 / Operating Instructions

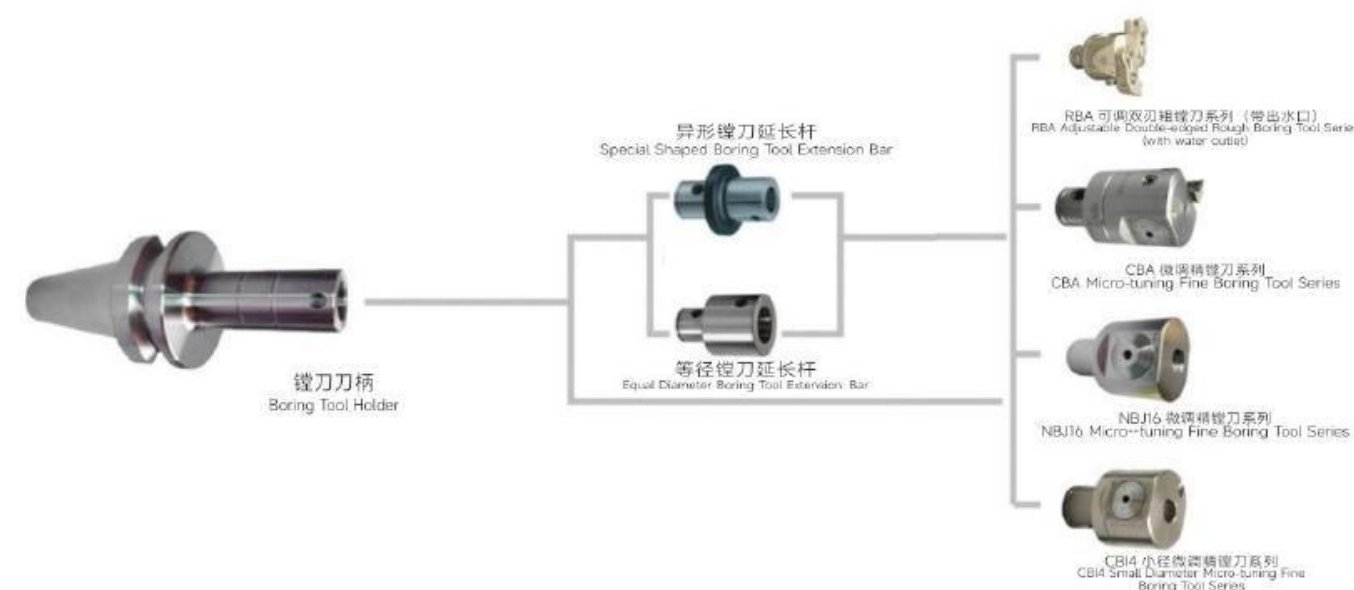
1. 请在加工范围内 (6-50mm) 使用。
2. 调整微调旋钮前必须松开微调锁紧螺钉，否则会导致微调机构损坏。
3. 请使用专用扳手固定微调锁紧螺钉，扭力要适当，过紧会导致芯轴移位。过松会造成精度不良。
4. 本产品为精密机构，当阻力过大微调刻度盘无法旋转时，请立即停止调整，并确认以下事项。
A. 微调锁紧螺钉是否松开；
B. 是否超出调整范围；
C. 当过度旋转调整刻度盘会微调导致精密机构损坏。
1. Please use this tool within work range (6-50mm)
2. Please loosen the adjusting screw before adjusting.
3. Please fasten the adjusting knob by means of special wrench properly
4. Please stop the adjustment when it is faced with a strong resistance or is unable to continue adjustment, check immediately the following points:
A. If the locking screws is unlocked;
B. If the adjustment is within the suggested work range;
C. Over adjustment will bring damage to the tool irreversibly.

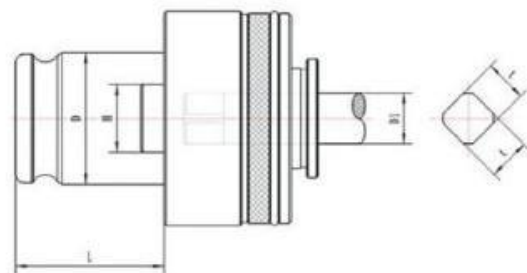


MAS403
20CrMnTi

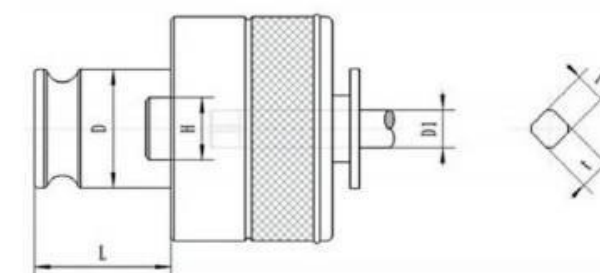
组合 Combination		高度 Height Z	范围 Range ϕD	Fig.	L	L1	D1	Wt.
LBK Shanks	CBA Head							
BT30-LBK1-70	CBA20	75	20-26-36	2	105	70	19	0.6
BT30-LBK2-80	CBA25	90	25-33-47		120	80	24	0.8
BT30-LBK3-80	CBA32		32-42-60				32	1.0
BT30-LBK4-70	CBA40		40-55-79			70	39	1.3
BT30-LBK5-60	CBA52		52-75-112			60	50	1.8
BT30-LBK6-60	CBA68	100	68-102-150		64		3.0	
BT40-LBK1-75	CBA20	75	20-26-36	2	110	75	19	1.1
BT40-LBK1-105		105			140	105		1.3
BT40-LBK2-85	CBA25	90	25-33-47		125	85	24	1.3
BT40-LBK2-115		120			155	115		1.6
BT40-LBK3-95	CBA32	100	32-42-60		135	95	31	1.5
BT40-LBK3-125		130			165	125		1.8
BT40-LBK4-155		160			195	155		2.0
BT40-LBK4-85	CBA40	100	40-55-79		135	85	39	1.8
BT40-LBK4-130		145			180	130		2.4
BT40-LBK5-175		190			225	175		2.7
BT40-LBK5-75	CBA52	100	52-75-112		135	75	50	2.3
BT40-LBK5-125		150			185	125		3.3
BT40-LBK6-175		200			235	175		4.0
BT40-LBK6-65	CBA68	100	68-102-150		135	65	64	3.3
BT40-LBK6-115		150			185	115		4.7
BT40-LBK6-165		200			235	165		5.9
BT40-LBK6-65	CBA100	100	100-152-203		135	65		4.2
BT40-LBK6-115		150			185	115		5.6
BT40-LBK6-165		200			235	165		6.8
BT40-LBK6-65	CBA150	100	150-202		135	65	5.5	
BT40-LBK6-115		150			185	115	6.9	
BT40-LBK6-165		200			235	165	8.1	

组合 Combination		高度 Height Z	范围 Range φD	Fig.	L	L1	D1	Wt.
LBA Shanks	CBA Head							
BT50-LBK1-115	CBA20	75	20-26-36	1	150	115	31/19	4.1
BT50-LBK1-145		105			180	145		4.2
BT50-LBK2-110	CBA25	105	25-33-47		150	110	24	4.1
BT50-LBK2-140		135			180	140		4.2
BT50-LBK3-125	CBA32	120	32-42-60		165	125	31	4.4
BT50-LBK3-155		150			195	155		4.5
BT50-LBK4-115	CBA40	120	40-55-79		165	115	39	4.8
BT50-LBK4-145		150			195	145		4.9
BT50-LBK4-175		180			225	175		5.3
BT50-LBK4-205		210			225	205		5.4
BT50-LBK5-105	CBA52	120	52-75-112		165	105	50	5.5
BT50-LBK5-180		195			240	180		6.5
BT50-LBK5-240		255			300	240		7.2
BT50-LBK5-300		315			360	300		8.6
BT50-LBK6-95	CBA68	120	68-102-150		165	95	64/50	6.5
BT50-LBK6-170		195			240	170		8.3
BT50-LBK6-230		255			300	230		9.6
BT50-LBK6-290		315			360	290		11.0
BT50-LBK6-350		375			420	350	64	15.5
BT50-LBK6-350		375			420	350	90/64	13.2





Model	D		H		L	攻丝范围 Tapping range		
TC312	19		10		21.5	M3-M12		
TC820	31		16		35	M5-M30		
TC1433	48		25		55.5	M24-M42		
TC312 夹持丝锥规格 TC312 Clamping tap specifications								
ISO 丝锥规格	丝锥尺寸 Tap size		JIS 丝锥规格	丝锥尺寸 Tap size		DIN 丝锥规格	丝锥尺寸 Tap size	
	柄径 D1	四方 t		柄径 D1	四方 t		柄径 D1	四方 t
M3	3.15	2.5	M3	4	3.2	M3	3.5	2.7
M4	4	3.15	M4	5	4	M4	4.5	3.4
M5	5	4	M5	5.5	4.5	M5	6	4.9
M6	6.3	5	M6	6	4.5	M6	6	4.9
M8	6.3	5	M8	6.2	5	M8	8	6.2
M10	8	6.3	M10	7	5.5	M10	10	8
M12	9	7.1	M12	8.5	6.5	M12	9	7
TC820 夹持丝锥规格 TC820 Clamping tap specifications								
M4	4	3.15	M4	5	4			
M5	5	4	M5	5.5	4.5			
M6	6.3	5	M6	6	4.5	M6	6	4.9
M8	6.3	5	M8	6.2	5	M8	8	6.2
M10	8	6.3	M10	7	5.5	M10	10	8
M12	9	7.1	M12	8.5	6.5	M12	9	7
M14	11.2	9	M14	10.5	8	M14	11	9
M16	12.5	10	M16	12.5	10	M16	12	9
M18	14	11.2	M18	14	11	M18	14	11
M20	14	11.2	M20	15	12	M20	16	12
M22	16	12.5	M22	17	13	M22	18	14.5
M24	18	14	M24	19	15	M24	18	14.5
M27	20	16	M27	20	15	M27	20	16
M30	20	16	M30	23	17	M30	22	18
TC1433 夹持丝锥规格 TC1433 Clamping tap specifications								
M24	18	14	M24	19	15	M24	18	14.5
M27	20	16	M27	20	15	M27	20	16
M30	20	16	M30	23	17	M30	22	18
M33	22.4	18	M33	25	19	M33	25	20
M36	25	20	M34/M35	26	21	M36	28	22
M39	28	22.4	M36/M38	28	21	M39	32	24
M42	28	22.4	M39/M40	30	23	M42	32	24
			M42	32	26			



Model	D		H		L	攻丝范围 Tapping range		
GT12	19		10		21.5	M1-M16		
GT24	30		12		30	M5-M30		
GT42	45		20		48	M24-M42		
GT12 夹持丝锥规格 GT12 Clamping tap specifications								
ISO 丝锥规格	丝锥尺寸 Tap size		JIS 丝锥规格	丝锥尺寸 Tap size		DIN 丝锥规格	丝锥尺寸 Tap size	
	柄径 D1	四方 t		柄径 D1	四方 t		柄径 D1	四方 t
M1-M2	2.5	2	M2	3	2.5	M1-M1.8	2.5	2.1
M2.2-M2.5	2.8	2.24				M2-M2.5	2.8	2.1
M3	3.15	2.5	M3	4	3.2	M3	3.5	2.7
M4	4	3.15	M4	5	4	M4	4.5	3.4
M5	5	4	M5	5.5	4.5	M5	6	4.9
M6	6.3	5	M6	6	4.5	M6	6	4.9
M8	6.3	5	M8	6.2	5	M8	8	6.2
M10	8	6.3	M10	7	5.5	M10	10	8
M12	9	7.1	M12	8.5	6.5	M12	9	7
M14	11.2	9	M14	10.5	8	M14	11	9
M16	12.5	10	M16	12.5	10	M16	12	9
GT24 夹持丝锥规格 GT24 Clamping tap specifications								
M4	4	3.15	M4	5	4			
M5	5	4	M5	5.5	4.5			
M6	6.3	5	M6	6	4.5	M6	6	4.9
M8	6.3	5	M8	6.2	5	M8	8	6.2
M10	8	6.3	M10	7	5.5	M10	10	8
M12	9	7.1	M12	8.5	6.5	M12	9	7
M14	11.2	9	M14	10.5	8	M14	11	9
M16	12.5	10	M16	12.5	10	M16	12	9
M18	14	11.2	M18	14	11	M18	14	11
M20	14	11.2	M20	15	12	M20	16	12
M22	16	12.5	M22	17	13	M22	18	14.5
M24	18	14	M24	19	15	M24	18	14.5
M27	20	16	M27	20	15	M27	20	16
M30	20	16	M30	23	17	M30	22	18
GT42 夹持丝锥规格 GT42 Clamping tap specifications								
M24	18	14	M24	19	15	M24	18	14.5
M27	20	16	M27	20	15	M27	20	16
M30	20	16	M30	23	17	M30	22	18
M33	22.4	18	M33	25	19	M33	25	20
M36	25	20	M34/M35	26	21	M36	28	22
M39	28	22.4	M36/M38	28	21	M39	32	24
M42	28	22.4	M39/M40	30	23	M42	32	24
			M42	32	26			



Model	适用夹头 Sizes of Collets	
MT2/3/4/5-GT12-7PCS	GT12	M3,M4,M5,M6,M8,M10,M12
NT30/40/50-GT12-7PCS		
BT30/40/50-GT12-7PCS		
MT2/3/4/5-GT24-7PCS	GT24	M12,M14,M16,M18,M20,M22,M24
NT30/40/50-GT24-7PCS		
BT40/50-GT24-7PCS		
MT3/4/5-GT42-7PCS	GT42	M24,M27,M30,M33,M36,M39,M42
NT30/40/50-GT42-7PCS		
BT40/50-GT42-7PCS		

BT 快换丝攻夹头柄体 BT Quick Change Tapping Chucks



Model	夹持范围 Capacity	D	d	L	适用夹头 Sizes of Collets
BT30-GT12	M3-M16	φ31.75	φ19	125	GT12 TC312 G3
BT40-GT12	M3-M16	φ44.45	φ19	110	GT12 TC312 G3
BT40-GT24	M5-M30	φ44.45	φ30	130	GT24
BT40-TC820	M5-M24	φ44.45	φ31	130	TC820
BT50-GT12	M3-M16	φ69.85	φ19	110	GT12 TC312
BT50-GT24	M5-M30	φ69.85	φ30	120	GT24 G12
BT50-TC820	M5-M24	φ69.85	φ31	130	TC820

直柄侧固式快换丝攻夹头柄体 Side Lock Straight Quick Change Tapping Chucks

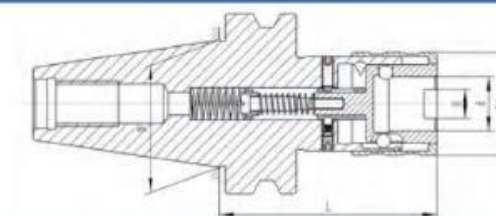


Model	夹持范围 Capacity	D	H	d	L	适用夹头 Sizes of Collets
D20-GT12	M3-M16	φ20	φ19	φ19	175	GT12 TC312
D25-GT12	M3-M16	φ25	φ24	φ19	175	GT12 TC312
D32-GT12	M3-M16	φ32	φ41	φ19	175	GT12 TC312
D25-GT24	M5-M30	φ25	φ24	φ30	190	GT24 G12
D32-GT24	M5-M30	φ32	φ31	φ30	190	GT24 G12

MT 快换丝攻夹头柄体 Morse Taper Quick Change Tapping Chucks

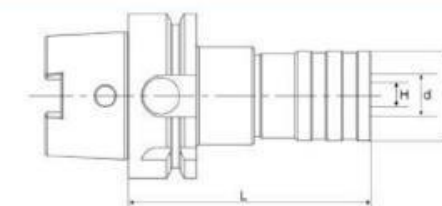


Model	夹持范围 Capacity	D	d	L	适用夹头 Sizes of Collets
MT2-GT12	M3-M16	φ17.780	φ19	110	GT12 TC312
MT3-GT12	M3-M16	φ23.825	φ19	110	GT12 TC312
MT4-GT12	M3-M16	φ31.267	φ19	110	GT12 TC312
MT3-GT24	M5-M30	φ23.825	φ30	130	GT24
MT4-GT24	M5-M30	φ31.267	φ30	130	GT24
MT5-GT24	M5-M30	φ44.399	φ30	13	GT24

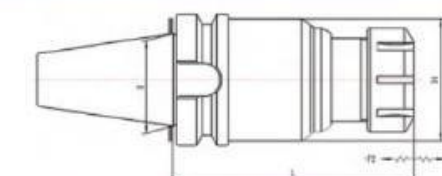


Model	D	D1	d	L	H	攻丝范围 Tapping range	伸缩长度 Telescopic length	
							压缩 Compression	伸长 Elongation
BT30-WF12-69L	31.75	36	10	69	10	M3-M12	5	5
BT30-WF20-100L	31.75	53	31	100	16	M5-M30	12	12
BT40-WF12-75L	44.45	36	19	75	10	M3-M12	5	5
BT40-WF20-96L	44.45	53	31	96	16	M5-M30	12	12
BT40-WF33-158L	44.45	78	48	158	25	M24-M42	20	20
BT50-WF12-90L	69.98	36	19	90	10	M3-M12	5	5
BT50-WF20-108L	69.98	53	31	108	16	M5-M30	12	12
BT50-WF33-145L	69.98	78	48	145	25	M24-M42	20	20
BT50-WF42-145L	69.98	78	45	145	20	M24-M42	20	20

HSK-WF 攻丝刀柄 HSK-WF Tapping Holders



Model	D1	L	d	H	攻丝范围 Tapping Range	伸缩长度 Telescopic length		配套夹头 Matching chuck
						压缩 Compression	伸长 Elongation	
HSK63A-WF12-96L	36	96	19	10	M1-M16	5	8	TC312 G3 G0312 GT12 J4012
HSK63A-WF20-138L	53	138	31	16	M3-M30	10	13	TC820
HSK100A-WF12-100L	36	100	19	10	M1-M16	5	8	TC312 G3 G0312 GT12 J4012
HSK100A-WF20-140L	53	140	31	16	M3-M30	10	13	TC820

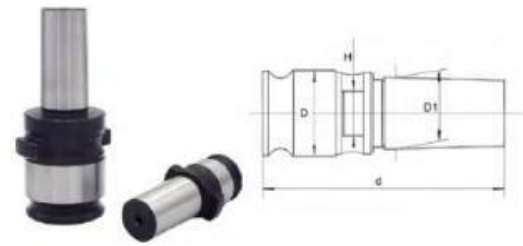
伸缩缓冲型攻丝刀柄 (BT-TER 型)
Telescopic Buffer Type Tapping Tool Holders (BT-TER Type)

Model	D	D1	L	适用夹头 Sizes of Collets	攻丝范围 Tapping range
BT30-TER16-110L	31.75	46	110	ER16	M2-M12
BT30-TER20-110L				ER20	M3-M16
BT30-TER25-110L				ER25	M3-M20
BT40-TER16-100L	44.45	46	100	ER16	M2-M12
BT40-TER20-100L				ER20	M3-M16
BT40-TER25-100L				ER25	M3-M20
BT40-TER32-115L	69.85	58	115	ER32	M3-M24
BT50-TER16-120L		46	120	ER16	M2-M12
BT50-TER20-120L				ER20	M3-M16
BT50-TER25-130L				ER25	M3-M20
BT50-TER32-130L		58	130	ER32	M3-M24



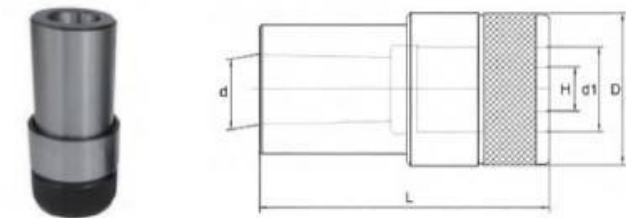
Model	D	L1	L2	适用夹头 Sizes of Collets	攻丝范围 Tapping range
D16-TER16-70L	16	85	70	ER16	M2-M12
D16-TER20-80L			80	ER20	M3-M16
D16-TER25-85L			85	ER25	M3-M20
D20-TER16-70L	20	85	70	ER16	M2-M12
D20-TER20-80L			80	ER20	M3-M16
D20-TER25-85L			85	ER25	M3-M20
D20-TER32-90L	20	85	90	ER32	M3-M24
D25-TER16-70L			70	ER16	M2-M12
D25-TER20-80L			80	ER20	M3-M16
D25-TER25-85L	25	85	85	ER25	M3-M20
D25-TER32-90L			90	ER32	M3-M24
D32-TER16-70L	32	85	70	ER16	M2-M12
D32-TER20-80L			80	ER20	M3-M16
D32-TER25-85L			85	ER25	M3-M20
D32-TER32-90L			90	ER32	M3-M24

钻接杆（攻钻一体的攻丝机专用） Drill adapter (for integrated tapping and drilling machines)

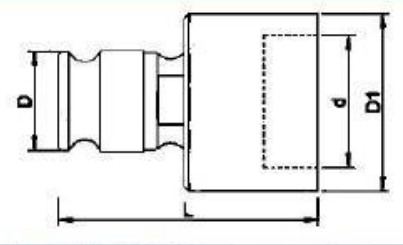


Model	D	H	D1	L
GT12-B16	19	10	15.733	53
GT12-B18	19	10	17.78	62
GT24-B16	30	12	15.733	67
GT24-B18	30	12	17.78	75
TC820-B16	31	16	15.733	70
TC820-B18	31	16	17.78	78

快换式柄体 Quick Change Holders

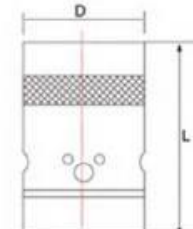


锥孔 Taper	d	d1	D	L	H	配套夹头 Collets
B12-GT12	12.065	19	34.5	59	10	GT12
B16-GT12	15.733			65		
B18-GT12	17.78			73		
JT2-GT12	14.199			62		
JT6-GT12	17.17			65		
B16-GT24	15.733	30	51	76	12	GT24
B18-GT24	17.78			84		
B22-GT24	21.793			92		
B24-GT24	23.825			101		
JT6-GT24	17.17			76		
B16-TC820	15.733	31	50	80	16	TC820
B18-TC820	17.78			88		
B22-TC820	21.793			96		
B24-TC820	23.825			105		
JT6-TC820	17.17			80		
B22-GT42	21.793	45	100	122	20	GT42



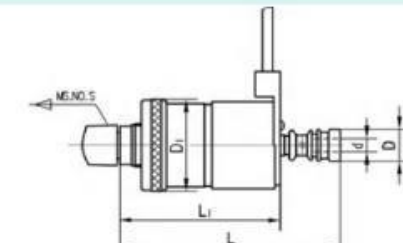
Model	D	D1	L	d	L1	最大攻丝深度 Maximum tapping depth
GT12-M3 ~ M6	19	28	45	20	3.4	45
GT12-M8		33	50	25	8.5	50
GT12-M10		38	55	30	10	55
GT12-M12 ~ M16		48	60	38	13	60
GT12-M16 ~ M20	30	59	81	45	18.5	65
GT24-M3 ~ M6		29		20	3.4	55
GT24-M8		33	55	25	8.5	
GT24-M10		38		30	10	
GT24-M12 ~ M16		48	70	38	13	70
GT24-M16 ~ M20	31	58	90	45	18	90
GT24-M22 ~ M24		68	120	55	20	72
GT24-M30		80	120	65	25.5	70
TC820-M3 ~ M6		28		20	3.4	60
TC820-M8		33	60	25	8.5	
TC820-M10		38		30	10	
TC820-M12 ~ M16		48	75	38	13	75
TC820-M16 ~ M20	31	58	95	45	18	95
TC820-M22 ~ M24		68	125	55	20	72
TC820-M30		80	125	65	25.5	70

TC 系列一体式多用攻丝夹头 TC-series one-piece Multi-purpose Tapping Chucks



Model	加持范围 Capacity	加持柄径范围 Support handle diameter range	连接锥度 Connection Taper	D	L
TC13-B16	M2-M13	1/8"-1/2"	φ2.5-φ10	B16	48 73
TC13-JT6	M2-M13	1/8"-1/2"	φ2.5-φ10	JT6	48 73
TC16-B18	M3-M16	1/8"-5/8"	φ3-φ12.5	B18	54 85
TC16-JT6	M3-M16	1/8"-5/8"	φ3-φ12.5	JT6	54 85
TC20-B18	M5-M20	3/16"-3/4"	φ4.5-φ15	B18	54 85
TC20-JT6	M5-M20	3/16"-3/4"	φ4.5-φ15	JT6	54 85
TC24-B22	M12-M24	1/2"-15/16"	φ8.5-φ18	B22	60 95

J46 型可逆转攻丝夹头 Reversible Tapping Chucks Set

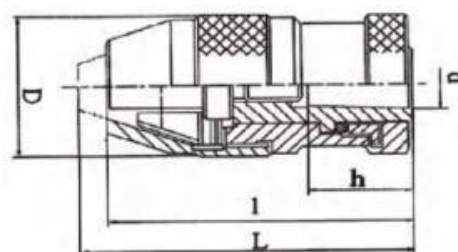


Model	攻丝范围 Tapping range	d	D	D1	L	L1	莫氏柄 MS.NO.S
J467	M2-M7	2.5-6.5	23	55	135	95	MS2-JT33 / MS3-JT33
J4612	M5-M12	3.5-10	28	75	164	114.5	MS3-M16 / MS4-M16
J4620	M8-M20	6.0-14	38	90.5	205	135	MS3-M20 / MS4-M20

锥孔自紧式钻夹头 Taper-fitting Keyless Drill Chucks



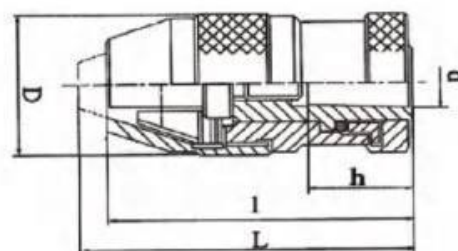
$D \leq 0.06\text{mm}$
 $M \leq 0.12\text{mm}$
 $P \leq 0.20\text{mm}$
 C45S20



Model	夹持范围 Capacity	锥度 Taper	d	h	D	L	I
J0106	0.5-6	B10	10.094	14.5	35	67	61
J0110	1-10	B12	12.065	18.5	42	86	78
J0113	1-13	B16	15.733	24	44	97	88
J0116	3-16	B18	17.78	32	48	108	98
J0116A	1-16	B16	15.733	24	48	108	98
J0120	5-20	B22	21.3	30.5	53	115	103
J0206	1/6"-1/4"	JT1	9.754	16.669	35	67	61
J0210	1/32"-3/8"	JT2	14.199	22.225	42	86	78
J0213	1/32"-1/2"	JT33	15.85	25.4	44	97	88
J0216	1/8"-5/8"	JT6	17.17	25.4	48	102	92
J0216	1/8"-5/8"	JT3	20.599	30.956	48	108	98
J0220	3/16"-3/4"	JT3	20.599	30.956	53	115	103

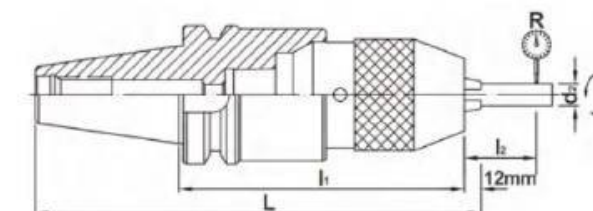


螺纹孔自紧式钻夹头 Thread Mounted Keyless Drill Chucks



Model	夹持范围 Capacity	螺纹 Thread	h	D	L	I
J0306	1/64"-1/4"	0.5-6	3/8"-24UNF	14	35	67
J0308	1/64"-5/16"	0.5-8	3/8"-24UNF	14	42	86
J0310A	1/32"-3/8"	1-10	3/8"-24UNF	14	42	86
J0310B	1/32"-3/8"	1-10	1/2"-20UNF	16	42	86
J0313A	1/32"-1/2"	1-13	1/2"-20UNF	16	44	90
J0313B	1/32"-1/2"	1-13	3/8"-24UNF	14	44	90
J0316A	1/8"-5/8"	3-16	1/2"-20UNF	16	48	102
J0316C	1/8"-5/8"	3-16	5/8"-16UNF	18	48	102

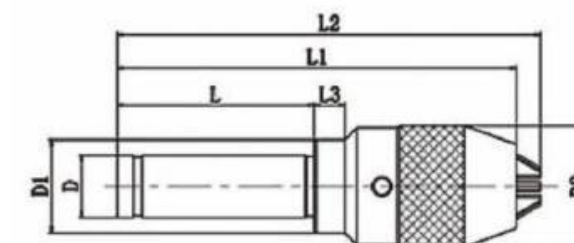
* Please state light or heavy duty as you prefer when ordering. 订货时请注明是轻型还是重型



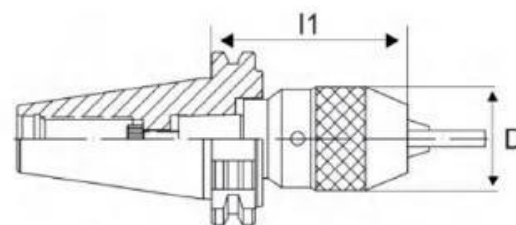
A、B、C 三种外观材质均可提供
 A, B, C three appearance materials are available

Model	夹持范围 Capacity	D	L	
			Min.	Max.
BT30-APU08-80	1-8	36.3	75	82
BT30-APU13-110	1-13	51.5	94	104.5
BT40-APU08-85	1-8	36.3	79	86.5
BT40-APU13-110	1-13	51.5	98	109
BT40-APU16-110	1-16	58	115	130
BT50-APU13-110	1-13	49	98	109
BT50-APU16-130	1-16	54	115	130

莫氏、直柄、R8 一体式自紧钻夹头
 Integrated Keyless Drill Chucks with Morse Taper, Straight or R8 Shanks

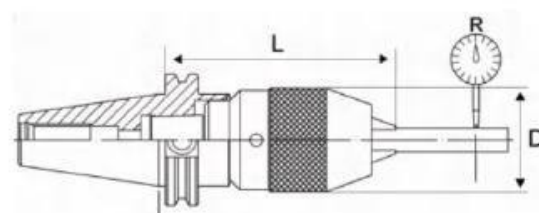


Model	夹持范围 Capacity		尺寸 Dimensions				
	mm	nch	D	D1	L	L1	L2
MT3-APU13	1.0-13	1/32-1/2	23.825	51	99.5	182.5	195
MT3-APU16	1.0-16	1/32-5/8	23.825	57	99.5	208	219.5
MT4-APU13	1.0-13	1/32-1/2	31.542	51	125	207	218.5
MT4-APU16	1.0-16	1/32-5/8	31.542	56.5	125	219	234.5
C20-APU13	1.0-13	1/32-1/2	20	51	60	143	155.5
C20-APU16	1.0-16	1/32-5/8	20	57	60	153	167.5
R8-APU13	1.0-13	1/32-1/2	31.75	51	102	183.5	195
R8-APU16	1.0-16	1/32-5/8	31.75	57	102	195	210



Model	L1	L2	d1	d2	R	夹持范围 Capacity		KGS
						mm	inch	
SK30-APU08-80	80	55	37	6	0.4	1-8	1/24-5/16	0.60
SK30-APU13-120	120	75	50	13		1-13	1/24-1/2	1.45
SK30-APU16-120	120	75	57	16		3-16	1/8-5/8	1.78
SK40-APU8-75	75	55	37	6	0.4	1-8	1/24-5/16	1.32
SK40-APU13-100	100	75	50	13		1-13	1/24-1/2	1.92
SK40-APU16-110	110	80	57	16		3-16	1/8-5/8	2.28
SK50-APU8-75	75	55	37	6	0.4	1-8	1/24-5/16	3.86
SK50-APU13-100	100	75	50	13		1-13	1/24-1/2	4.40
SK50-APU16-105	105	80	57	16		3-16	1/8-5/8	4.48

CAT 一体式钻夹头 CAT Integrated Drill Chucks



Model	夹持范围 Capacity		D		L			
					Minimum		Maximum	
	(φmm)	(φinch)	(mm)	(inch)	(mm)	(inch)	(mm)	(inch)
CAT40-APU08	1-8	1/32"-5/16"	36.3	1.429"	65	2.559"	76.5	3.011"
CAT40-APU13	1-13	1/32"-1/2"	51.5	2.028"	88	3.464"	99	3.697"
CAT40-APU16	3-16	3/32"-5/8"	58	2.283"	106	4.173"	120	4.724"
CAT50-APU08	1-8	1/32"-5/16"	36.3	1.429"	70	2.755"	77.5	3.051"
CAT50-APU13	1-13	1/32"-1/2"	51.5	2.028"	89	3.503"	100	3.937"
CAT50-APU16	3-16	3/32"-5/8"	58	2.283"	96	3.779"	110	4.330"

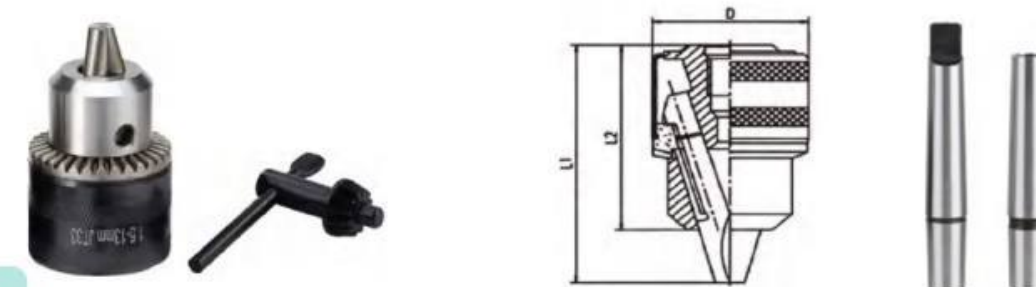
扳手式锥孔钻夹头 Key-Type Drill Chucks With Taper Fitting (重型 Heavy Duty)



C45S20 ≤ 0.20mm

Model	夹持范围 Capacity	柄 Mounts	D	L1	L2
J216	0.6-6	B10	30.3	50	39.5
J2110	1-10	B12	43.4	69.7	54
J2113	1-13	B16	53.2	86	67
J2116A	1-16	B16	57	93	75
J2116	1-16	B18	57	93	75
J2120	5-20	B22	65.3	110	82
J226	1/4"	JT1	30.3	50	39.5
J2210	3/8"	JT2	43.4	69.7	54
J2213A	1/2"	JT6	53.2	86	67
J2213	1/2"	JT33	53.2	86	67
J2216	5/8"	JT3	57	93	75
J2220	3/4"	JT3	68	120	92

扳手式锥孔钻夹头 Key-Type Drill Chucks With Taper Fitting (轻型 Light Duty)

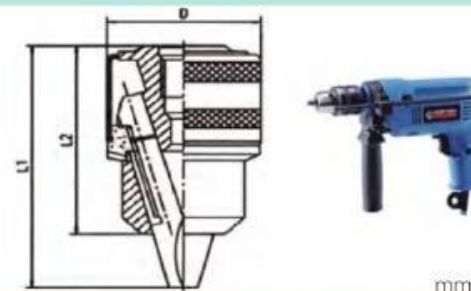


C45S20 ≤ 0.25mm

Model	夹持范围 Capacity	柄 Mounts	D	L1	L2
J2510	1.5-10	B12	34	58.5	49
J2610	3/8"	JT2	34	58.5	49
J2513	1.5-13	B16	43.5	74	60
J2613	1/2"	JT6	43.5	76	60
J2516	3-16	B18	52	86	67
J2616	5/8"	JT3	53.2	97	78

扳手型螺纹孔钻夹头 Key-Type Drill Chucks with Thread Mounted

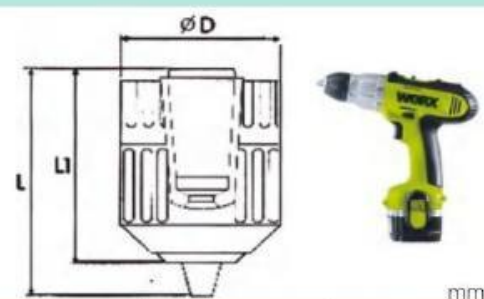
C45S20 ≤ 0.30



Model	夹持范围 Capacity	柄 Mounts	D	L1	L2
J3506B	0.6-6	3/8-24UNF	30.3	49	40
J3510D	1.5-10	M10-1	34	58.5	49
J3510C	1.5-10	3/8-24UNF	34	58.5	49
J3510G	1.5-10	1/2-20UNF	34	58.5	49
J3513D	1.5-13	M12-1.25	42	71.5	59
J3513A	1.5-13	1/2-20UNF	42	71.5	59
J3513B	1.5-13	3/8-24UNF	42	71.5	59
J3516A	3-16	1/2-20UNF	52	86	67
J3516A	3-16	5/8-16UN	52	86	67

手紧式钻夹头 Keyless Hand-tightening Drill Chucks

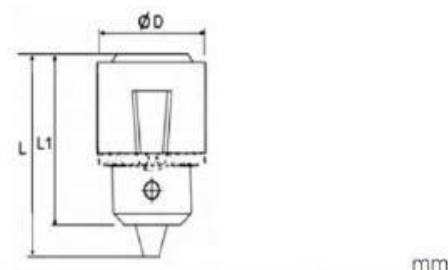
PA6-30G ≤ 0.30



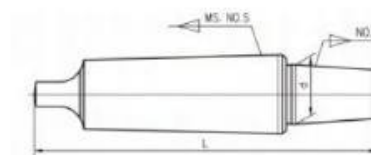
Model	夹持范围 Capacity	柄 Mounts	D	L1	L
J1510A	0.8-10	3/8-24UNF	41	54.5	64
J1510B	0.8-10	12-20UNF	41	54.5	64
J1513A	2-13	1/2-20UNF	43	62	74.5
J1513B	2-13	3/8-24UNF	43	62	74.5

不锈钢钻夹头 Stainless Steel Drill Chucks

Material:3Cr13

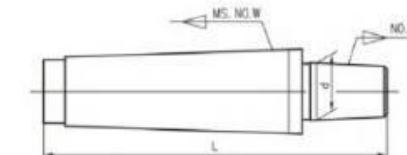


夹持范围 Capacity	连接孔 Connecting Hole	D	L	L1
0.3-4	JT0	20	36	30
0.6-6	JT1;B10 ; 3/8"-24UNF	28	47	38
0.6-8	JT1;B10 ; 3/8"-24UNF	30	50	42
1.0-10	JT2;B12 ; 3/8"-24UNF	34	60	50
1.0-13	JT6 ; JT33 ; B16 ; 1/2"-20UNF	42	70	56



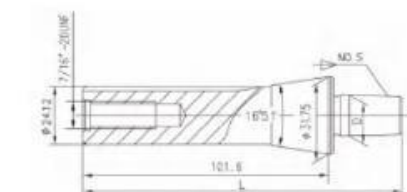
Model	L	d	Model	L	d
MT2-B16	112	15.733	JT33-MT3	127	15.85
MT3-B16	131	15.733	JT33-MT4	152	17.17
MT4-B16	156	15.733	JT33-MT5	184	15.85
MT3-B18	139	17.788	JT3-MT5	190	20.599
MT4-B18	164	17.788	JT4-MT4	169	28.55
MT5-B18	196	17.788	JT4-MT5	201	28.55

后拉式接杆 Drill Chuck Arbors with Draw Bar

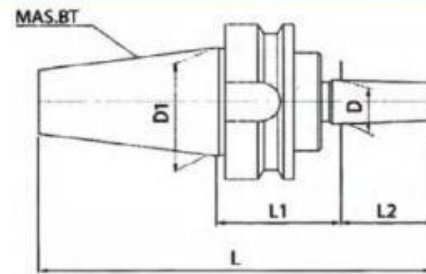


Model	L	d	Model	L	d
MT2-B16	103	15.733	JT33-MT3	114	15.85
MT3-B16	118	15.733	JT33-MT4	137	15.850
MT4-B16	141	15.733	JT3-MT2	103	20.599
MT3-B18	126	17.780	JT3-MT3	120	20.599
MT4-B18	149	17.780	JT3-MT4	143	20.599
MT5-B18	176	17.780	JT3-MT5	170	20.599

R8 钻接杆 R8 Drill Chuck Arbors

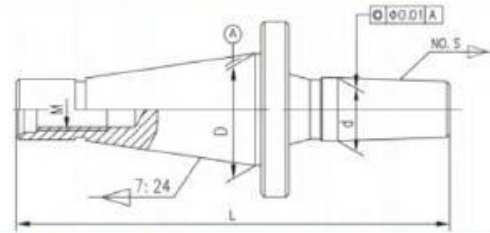


Model	L	d	Model	L	d
R8-JT33	132	15.85	R8-B12	128	12.065
R8-JT6	132	17.17	R8-B16	135	15.733
R8-JT3	137	20.599	R8-B18	143	17.78



Model	L2	L	D	D1	M
BT40-B16-45	24	134.4	15.733	44.45	M16
BT40-B18-45	32	142.4	15.733	44.45	M16
BT40-JT2-45	22.225	132.6	14.199	44.45	M16
BT40-JT3-45	30.956	141.4	20.599	44.45	M16
BT40-JT33-45	25.4	135.8	15.850	44.45	M16

NT 钻夹头接杆 NT Drill Chuck Arbors



Model	D	d	L	M	Wt
NT40-JT2	44.45	14.199	141	M16	0.829
NT40-JT33	44.45	15.85	145	M16	0.853
NT40-B12	44.45	12.065	136	M16	0.809
NT40-B16	44.45	15.733	143	M16	0.848
NT40-B18	44.45	17.78	151	M16	0.869

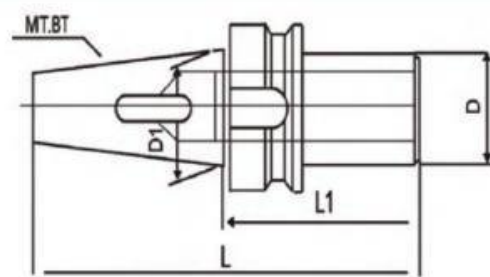
BT-MT 数控变径套 BT-MT Adapt Sleeves



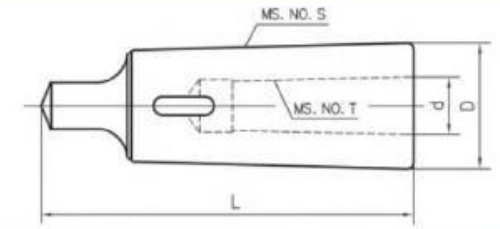
BT-MTA



BT-MTB

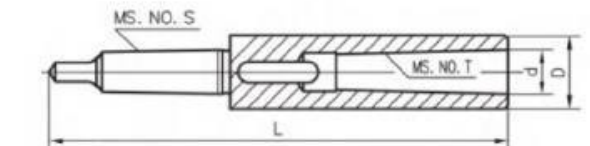
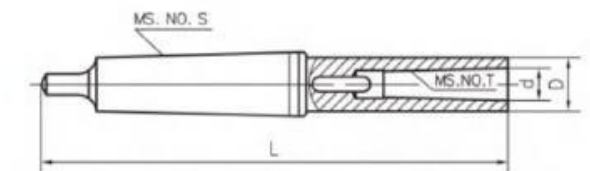


Model	L	D	D1
BT30-MT2-60	108.4	32	31.75
BT30-MT3-80	128.4	40	31.75
BT40-MT2-60	125.4	32	44.45
BT40-MT3-70	135.4	40	44.45
BT40-MT4-90	155.4	48	44.45
BT40-MT4-95	180.8	48	57.15
BT50-MT2-60	146.8	25	69.85
BT50-MT3-75	176.8	40	69.85
BT50-MT4-90	196.8	48	69.85



Model	MT.No.S	MT.No.T	D	d	L	Wt.
MT2-1	2	1	18.6	12.065	90	0.10
MT3-1	3	1	24.1	12.065	99	0.24
MT3-2	3	2	24.7	17.780	108	0.12
MT4-1	4	1	31.6	12.065	124	0.60
MT4-2	4	2	31.6	17.780	124	0.50
MT4-3	4	3	32.4	23.825	132	0.38
MT5-1	5	1	44.7	12.065	156	1.59
MT5-2	5	2	44.7	17.780	156	1.36
MT5-3	5	3	44.7	23.825	156	1.36
MT5-4	5	4	45.5	31.267	171	0.95
MT6-1	6	1	63.8	12.065	218	3.84
MT6-2	6	2	63.8	17.780	218	3.73
MT6-3	6	3	63.8	23.825	218	3.85
MT6-4	6	4	63.8	31.267	218	3.12
MT6-5	6	5	63.8	44.399	218	1.95

加长变径套 Extension Drill Sleeves



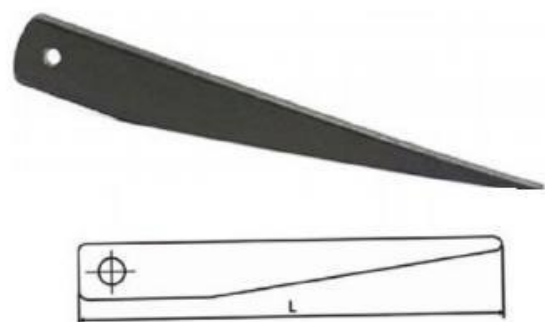
Model	MS.NO.S	MS.NO.T	D	d	L	Wt(kg)
MT1-1	1	1	20	12.065	145	0.19
MT1-2	1	2	30	17.78	160	0.4
MT1-3	1	3	36	23.825	181	0.4
MT2-1	2	1	20	12.065	160	0.29
MT2-2	2	2	30	17.78	175	0.5
MT2-3	2	3	36	23.825	196	0.6
MT2-4	2	4	48	31.267	221	1.43
MT3-1	3	1	20	12.065	175	0.41
MT3-2	3	2	30	17.78	194	0.62
MT3-3	3	3	36	23.825	215	0.89
MT3-3A	3	3	40	23.825	215	1.1
MT3-4	3	4	48	31.267	240	1.55
MT3-5	3	5	63	44.399	275	2.8
MT4-1	4	1	20	12.065	200	0.81
MT4-2	4	2	30	17.78	215	1
MT4-3	4	3	36	23.825	240	1.27
MT4-4	4	4	48	31.267	265	1.93
MT4-5	4	5	63	44.399	300	3.18
MT4-6	4	6	85	63.348	368	6.5

Model	MS.NO.S	MS.NO.T	D	d	L	Wt(kg)
MT5-1	5	1	20	12.065	232	1.79
MT5-2	5	2	30	17.78	247	2
MT5-3	5	3	36	23.825	268	2.27
MT5-4	5	4	48	31.267	300	2.93
MT5-5	5	5	63	44.399	335	4.18
MT5-6	5	6	85	63.348	403	6.7
MT6-1	6	1	20	12.065	294	4.4
MT6-2	6	2	30	17.78	309	4.25
MT6-3	6	3	36	23.825	330	4.52
MT6-4	6	4	48	31.267	355	5.18
MT6-5	6	5	63	44.399	390	6.43



Model	7:24.No.S	D	d	D1	L
NT30-MT2	NT30	32	17.780	31.75	118.4
NT30-MT3	NT30	40	23.825	31.75	138.4
NT40-MT1	NT40	25	12.065	44.45	143.4
NT40-MT2	NT40	32	17.780	44.45	143.4
NT40-MT3	NT40	40	23.825	44.45	158.4
NT40-MT4	NT40	48	31.267	44.45	183.4
NT50-MT2	NT50	32	17.780	69.85	181.8
NT50-MT3	NT50	40	23.825	69.85	191.8
NT50-MT4	NT50	48	31.267	69.85	196.8
NT50-MT5	NT50	61	44.399	69.85	231.8

拆卸铁 Drill Drafts

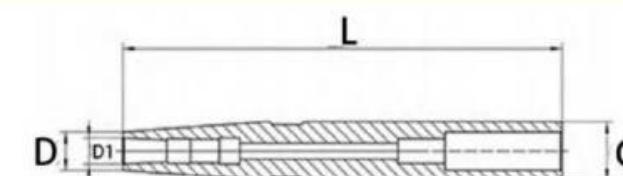


Mode	MS.NO	L
DIN317/0	0	90
DIN317/1-2	1-2	140
DIN317/3	3	190
DIN317/4	4	225
DIN317/5-6	5-6	265

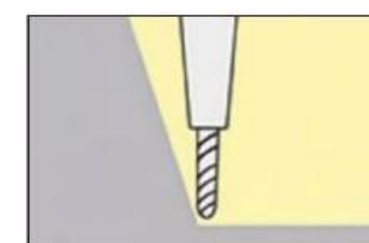
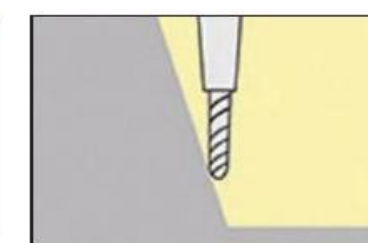
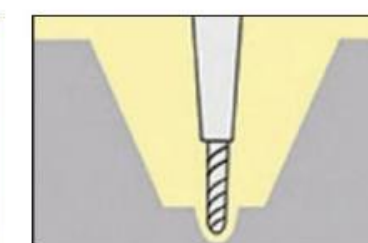
半自动拆卸铁 Half Automatic Morse Shank Pullers

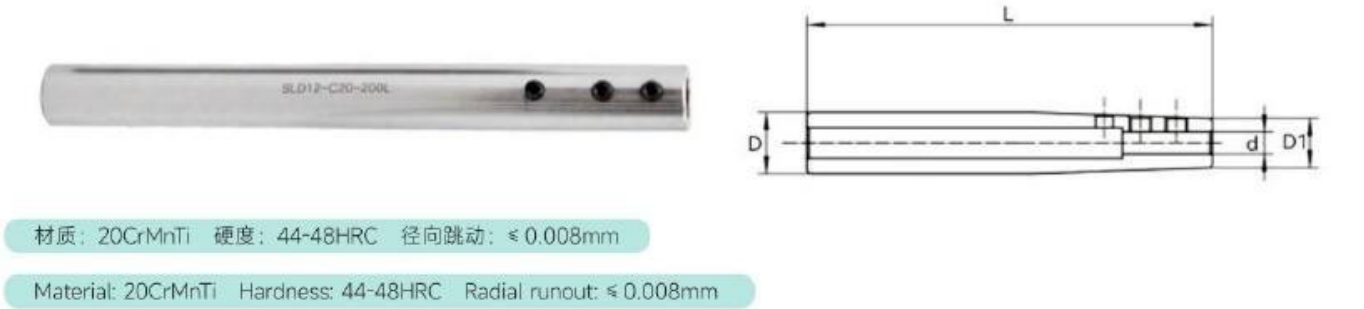


Model	MS.No	L
DIN318/1-3	1-3	317
DIN318/4-6	4-6	380

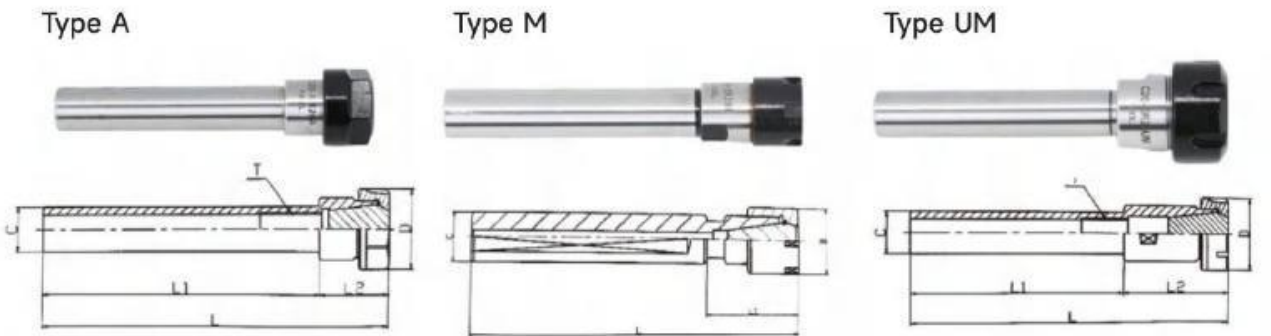


Model No	夹持范围 Clamping	C	D	D1	L	筒夹 Collet
C12-DC06-120	2-6	12	13	10	120	DC06
C12-DC06-150					150	DC06
C16-DC06-150		16		14	150	DC06
C16-DC06-200					200	DC06
C20-DC06-150						150
C20-DC06-200		20		17	200	DC06
C20-DC08-150	3-8		16		150	DC08
C20-DC08-200					200	DC08
C25-DC08-150	3-8	25	16	22	150	DC08
C25-DC08-200					200	DC08
C25-DC12-200	3-12		18		200	DC12
C25-DC12-250					250	DC12

Corner Processing
边角处理Vertical wall Processing
立面墙体加工Slot Milling
铣槽



Model	d	D	L	M
SLD3-C10-100L	3	10	100	M4
SLD3-C10-150L	3	10	150	M4
SLD3-C12-100L	3	12	100	M4
SLD3-C12-150L	3	12	150	M4
SLD4-C10-100L	4	10	100	M4
SLD4-C10-150L	4	10	150	M4
SLD4-C12-100L	4	12	100	M4
SLD4-C12-150L	4	12	150	M4
SLD4-C16-100L	4	16	100	M4
SLD4-C16-150L	4	16	150	M4
SLD4-C16-200L	4	16	200	M4
SLD5-C12-100L	5	12	100	M5
SLD5-C12-150L	5	12	150	M5
SLD5-C16-100L	5	16	100	M5
SLD5-C16-150L	5	16	150	M5
SLD5-C16-200L	5	16	200	M5
SLD6-C12-100L	6	12	100	M5
SLD6-C12-150L	6	12	150	M5
SLD6-C16-100L	6	16	100	M5
SLD6-C16-150L	6	16	150	M5
SLD6-C16-200L	6	16	200	M5
SLD8-C16-120L	8	16	120	M5
SLD8-C16-150L	8	16	150	M5
SLD8-C16-200L	8	16	200	M5
SLD8-C20-120L	8	20	120	M5
SLD8-C20-150L	8	20	150	M5
SLD8-C20-200L	8	20	200	M5
SLD10-C20-120L	10	20	120	M6
SLD10-C20-150L	10	20	150	M6
SLD10-C20-200L	10	20	200	M6
SLD12-C20-150L	12	20	150	M6
SLD12-C20-200L	12	20	200	M6



Model	L	L1	C	D
C10-ER8A/M-100	117	100	10	12
C10-ER11A/M-100	121.6/116.6	100	10	19/16
C12-ER11A/M-100	121.6/116.6	100	12	19/16
C12-ER16A/M-100	140/137	100	12	28/22
C16-ER11A/M-100	121.6/116.6	100	16	19/16
C16-ER16A/M-100	140/137	100	16	28/22
C16-ER16A/M-150	190/187	150	16	28/22
C20-ER16A/M-100	140/137	100	20	28/22
C20-ER16A/M-150	190/187	150	20	28/22
C20-ER20A/M-100	140.5/140	100	20	34/28
C20-ER25UM-100	151	100	20	42
C20-ER32UM-100	151.5	100	20	50
C25-ER20A/M-100	140.5/140	100	25	34/28
C25-ER25UM-100	151	100	25	42
C25-ER32UM-100	151.5	100	25	50
C32-ER32UM-100	151.5	100	32	50
C32-ER32UM-150	151.5	150	32	50
C40-ER32UM-100	151.5	100	40	50
C40-ER40UM-100	165	100	40	63



Any other special sizes as ordered. 其它规格按订单供货



GJMT- 系列精密型 GJMT-Series Precision Type

ZGJMT- 系列 中型 ZGJMT-Series Medium Type

Model	L	L1	L2	D	d
GJMT3-A	184	61.5	34.5	53	25
GJMT3-B	199	61.5	49.5	53	25
GJMT4-A	206.5	55	40.5	68	32
GJMT4-B	223	55	57	68	32
GJMT5-A	263.5	71	55	83	40
GJMT5-B	279	71	70.5	83	40

Model	L	L1	L2	D	d
ZGJMT4-A	218.5	67	40.5	63	32
ZGJMT5-A	272.5	80	55	83	40
Model	L	L1	L2	D	d
ZGJMT4-B	218.5	67	40.5	63	32
ZGJMT5-B	272.5	80	55	83	40

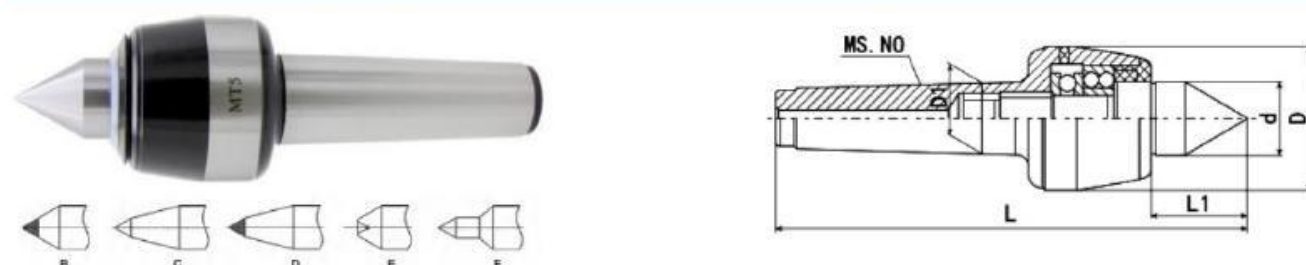
GJMT 精密型 0.003-0.005 载荷 400-1500KG 转速 3000-5000RPM

GJMT light series accuracy 0.003-0.005 load 400-1500KG speed 3000-5000RPM

ZGJMT 中型系列精度 0.005-0.007 载荷 2000-5000KG 转速 3000-4500RPM

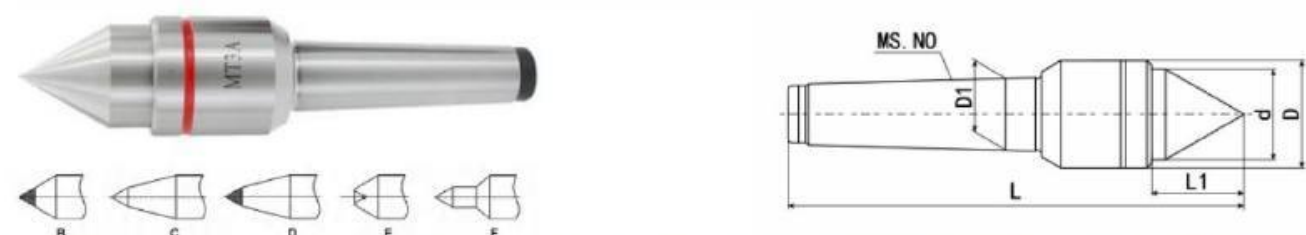
ZGJMT Medium series accuracy 0.005-0.007 load 2000-5000KG speed 3000-4500RPM

高速黑款回转顶尖 High Speed Live Centers with water-proof



Model	L	L1	D	D1	d	最大转速 Max Speed	精度 Accuracy
MT1	112	30	38	12.065	18	7000	0.008
MT2	144	32	46	17.780	24	7000	0.008
MT3	180	35	53	23.825	27	6000	0.008
MT4	207	40	63	31.267	32	5000	0.008
MT5	261	55	78	44.399	38	4500	0.008
MT6	352	68.5	120	63.348	63	3000	0.008

新款数控回转顶尖 New Type Live Centers For CNC



Model	L	L1	D	D1	d	最大转速 Max Speed	精度 Accuracy
MT1	125	30	33	12.065	26	3000	0.01
MT2	135	30	33	17.780	26	3000	0.01
MT3	175	44	40	23.825	33	2500	0.01
MT4	217	45	47	31.267	40	2000	0.01
MT5	255	55	63	44.399	52	2000	0.01
MT6	337	75	83	63.348	73	1500	0.01



Model	L	D	L1	d	D1	最大负荷 Max load	最大转速 Max Speed	精度 Accuracy
MT2	129.6	45	28.6	25	17.780	400N	5000	0.006
MT3	160.2	52	32	28	23.825	800N	4500	0.006
MT4	191.7	60	36.5	32	31.267	1250N	3500	0.006
MT5	244.5	80	50.8	45	44.399	1500N	3000	0.006

数控回转顶尖 CNC Live Centers

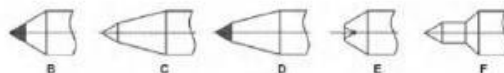
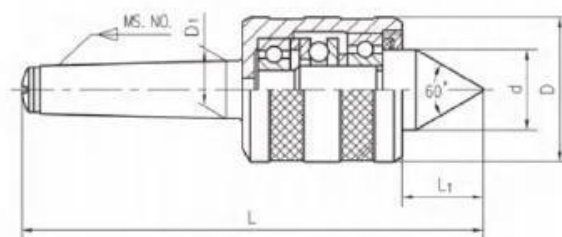


Model	L	L1	D	D1	d	径向载荷 Max Radial Load	极限转速 (rpm) Max Speed	精度 Accuracy
MT1	112	30	38	12.065	18	900	3000	0.01
MT2	144	35	46	17.780	24	1500	3000	0.01
MT3	180	38	53	23.825	27	2000	2500	0.01
MT4	207	42	63	31.267	32	3200	2000	0.01
MT5	261	58	78	44.399	38	6300	2000	0.01
MT6	362	68.5	120	63.348	63	10000	1500	0.01

重型顶尖 Heavy Duty Live Centers

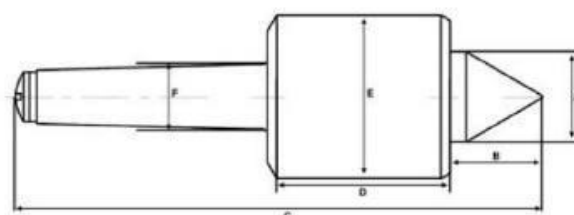


Model	L	L1	D	D1	d	径向载荷 Max Radial Load	极限转速 Max Speed	精度 Accuracy
MT2	145	35	46	17.780	24	1500	3000	0.01
MT3	170	36	53	23.825	27	2000	2500	0.01
MT4	207	45	60	31.267	32	3200	2000	0.01
MT5	261	55	78	44.399	46	6300	2000	0.01
MT6	362	68.5	120	63.348	63	10000	1500	0.01



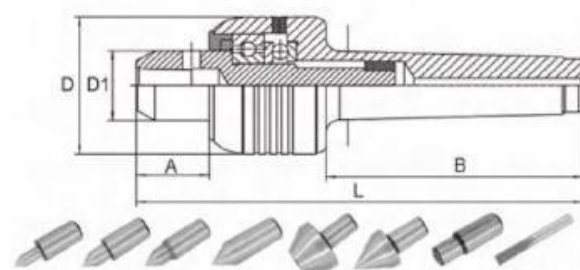
Model	MS.NO	L	L1	D	D1
MT3	3	170	30	52	23.825
MT4	4	205.7	34.7	60	31.267
MT5	5	254	45	77	44.399

重型回转顶尖 Heavy Duty Live Centers

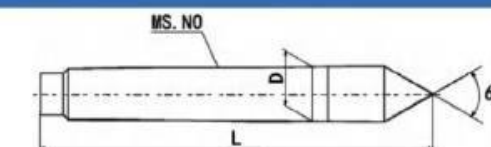


Model	A	B	C	D	E	F
MT5-1T	41	53	260	72	89	44.4
MT5-3T	47	63	278	80	104	44.4
MT5-5T	65	80	337	110	140	44.4
MT6-3T	57	70	373	104	120	63.3
MT6-5T	67	80	390	110	140	63.3
MT6-10T	71	82	414	133	160	63.3

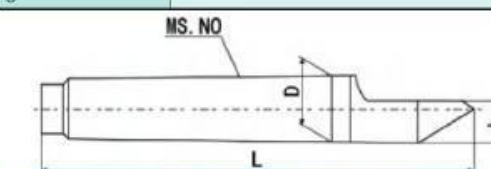
插入式回转顶尖 Inter changeable Tips Live Centers



Model	A	B	D	D1	L	径向载荷 Max Radial Load	最大转速 Max Speed	精度 Accuracy
MT2	27	65	46	24	140	100	3500	0.01
MT3	32	81	59	28	170	250	3000	0.015
MT4	34.5	102	64	31	198	400	2500	0.015
MT5	44	130	78	44	245	700	2000	0.02

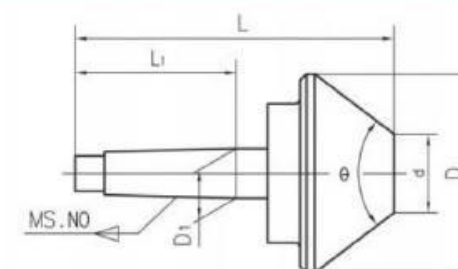


Model	D	L	精度 Accuracy
MT1	12.065	80	0.01
MT2	17.780	100	
MT3	23.825	125	
MT4	31.267	160	
MT5	44.399	200	
MT6	63.348	270	



Model	D	h	L	精度 Accuracy
MT1	12.065	7.6	80	0.01
MT2	17.780	11	100	
MT3	23.825	15.05	125	
MT4	31.267	20.8	160	
MT5	44.399	29.35	200	
MT6	63.348	41.9	270	

伞型回转顶尖 Bull Nose Live Centers



Model	MS.NO	D	d	L	L1	D1
MT2 ×60(75°)	MS2	63	22	128	68	17.78
MT3 ×60 (75°)	MS3	63	22	146	85	23.825
MT4 ×60 (75°)	MS4	63	22	168	108	31.267
MT5 ×60 (75°)	MS	63	22	196	136	44.399
MT2 ×80 (75°)	MS2	80	24	126	68	17.78
MT3 ×80 (75°)	MS3	80	24	144	85	W23.825
MT4 ×80 (75°)	MS4	80	24	166	108	31.267
MT5 ×80 (75°)	MS5	80	24	194	136	44.399
MT2 × 100 (75°)	MS2	100	32	135	68	17.78
MT3 × 100 (75°)	MS3	100	32	152	85	23.85
MT4 × 100 (75°)	MS4	100	32	174	108	31.267
MT5 × 100 (75°)	MS5	100	32	202	136	44.399
MT3 × 110 (75°)	MS3	110	32	156	85	23.825
MT4 × 110 (75°)	MS4	110	32	178	108	31.267
MT5 × 110 (75°)	MS5	110	32	206	136	44.399
MT3 × 120 (75°)	MS3	120	38	162	85	23.825
MT4 × 120 (75°)	MS4	120	38	184	108	31.267
MT5 × 120 (75°)	MS5	120	38	212	136	44.399
MT4 × 130 (75°)	MS4	130	39	188	108	31.267
MT5 × 130 (75°)	MS5	130	39	216	136	44.399
MT4 × 140 (75°)	MS4	140	48	189	108	31.267
MT5 × 140 (75°)	MS5	140	48	217	136	44.399

A						B					
Model	L	A	B	C	D	Model	L	A	B	C	D
MT1	136	12.065	42	69	32	MT1	146	12.065	40	69	43
MT2	160	17.788	46	86	34	MT2	163	17.788	40	86	43

C						D					
Model	L	A	B	C	D	Model	L	A	B	C	D
MT1	87	12.065	22	19.05	56	MT1	152	12.065	48	22	69
MT2	100	17.788	28	25.4	69	MT2	173	17.788	58	24	86

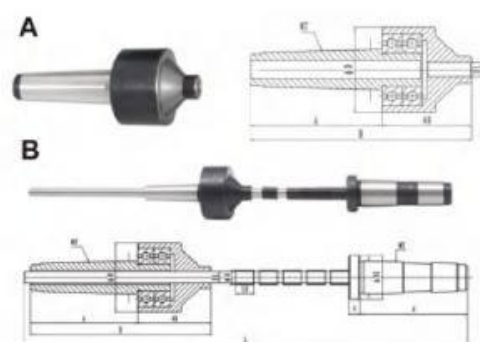
E

Model	L	A	B	C	D
MT1	128	12.065	34	19.05	56
MT2	141	17.788	34	19.05	69

木工顶尖套装 Live Centers Sets for Wood-working Machines

Model	L1	L2	L3	L4	A	B
MT1	69	74	74	91	12.065	56
MT2	82	87	87	104	17.78	69

车笔刀架 Pencil Centers

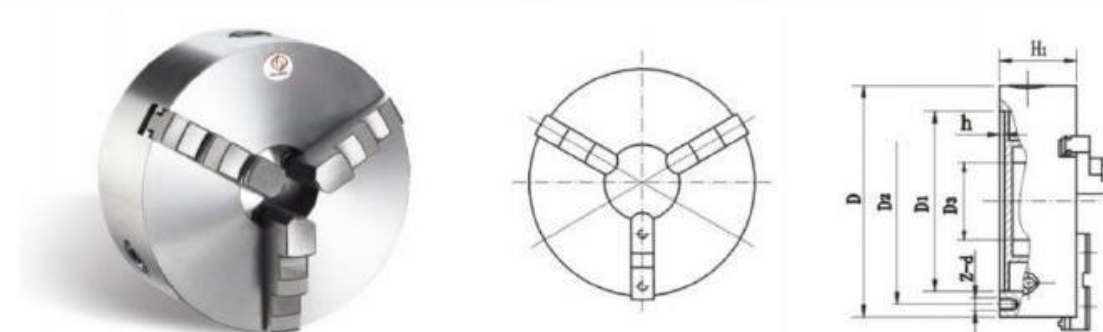


Model	A	B	D1	D		
MT1	40	84	4.2	34		
			6.2			
MT2	59	99	4.2	38		
			6.2			
Model	L	A	B	D1	D	D2
MT1	265	40	84	4.2	34	18
				6.2		
MT2	285	59	99	4.2	38	24

木工卡盘 Wood-working Scroll Chucks



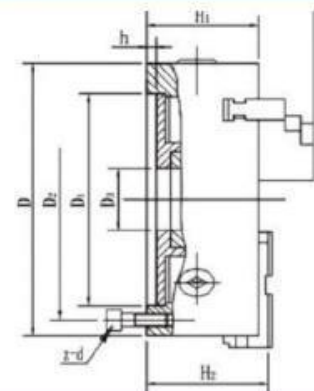
Model	夹持范围 Clamping	螺纹连接 Thread Connection	Wt.
4"	8-60mm	M33×3.5; M40×2; 1"-1/8TPI	2.3/3
5"	20-100mm	M33×3.5; M40×2; 1"-1/4-8	4.2/5



特征：
1. 短圆柱连接形式。
2. HT300，适用于较高转速。
3. 卡爪结构形式分为整体爪和分离爪

Features:
1. Short Cylindrical Center Mounting.
2. Steel body. Suitable for higher rotation speed.
3. The Structure type of jaws include one-piece and two-piece.

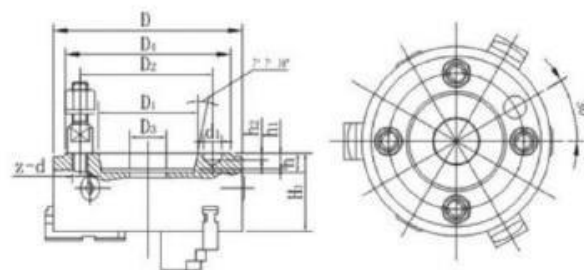
Size(D)	D1	D2	D3	H1	h	Z-d	Max.input torque(N.m)	Max.Speed(R/min)	Net WT.
80	55	66	16	50	3.5	3-M6	40	4000	1.9
100	72	84	22	55	3.5	3-M8	60	3500	3.2
125	95/92	108	30	58	4	3-M8	100	3000	5
130	100	115	30	60	4	3-M8	100	3000	5.6
160	130	142	45	65	5	3-M8	160	2500	8.8
165	130	145	45	66.5	4.5	3-M8	160	2500	9.5
190	155	172	55	75	5	3-M10	250	2000	13.8
200	165	180	65	75	5	3-M10	250	2000	15.5
240	195	215	70	80	5	3-M12	320	1600	24
250	206	226	80	80	5	3-M12	320	1600	25.7
250A	206	226	80	80	5	3-M12	320	1600	23.5
250C	206	226	80	80	5	3-M12	320	1600	23
315	260	285	100	90	6	3-M16	400	1200	47
315A	260	285	100	90	6	3-M16	400	1200	41
315C	260	285	100	90	6	3-M16	400	1200	40
320	270	290	100	95	11	3-M16	400	1200	47.5
320C	270	290	100	95	11	3-M16	400	1200	42
325	272	296	100	96	11	3-M16	400	1200	49
380A	325	350	135	98	6	3-M16	500	1000	62
400A	340	368	130	100	6	3-M16	500	1000	71
500A	440	465	200	115	7	6-M16	630	800	118
630A	560	595	260	130	8	6-M16	800	600	210
800A*	710	760	280	150	8	6-M20	1000	730	386
1000A*	910	950	400	165	10	6-M24	1200	600	592



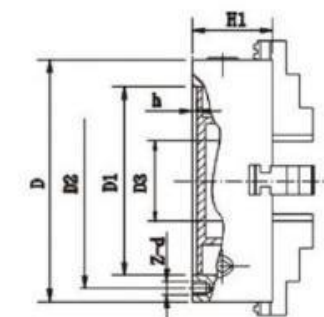
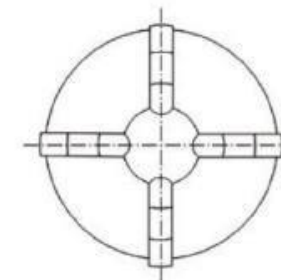
俄标 K11 系列三爪自定心卡盘, 符合 OCT2675 标准, 应用短圆柱连接形式, 卡爪型式有整体爪和 A 型分离爪, A 型分离爪符合 ISO3442 标准, 也可以根据用户提供软爪, 经随机配车 (磨) 后, 可获得较高定心精度。

Russian Standard 3-Jaw Self-Centering Chucks adopt short conical connection according to Standard OCT 2675. The jaws have one-piece and two-piece called A type. A type two-piece jaws are according to ISO 3442 Standard. Soft jaws can be provided according to the clients' requests. Highte centering accuracy can be achieved after machining.

Model	D1	D2	D3	H	H1	H2	h	Z-d
7100-0001П	55	66	16	66	50	-	3.5	3-M6
7100-0002П	72	86	22	74.5	55	-	3.5	3-M8
7100-0003П	95	108	30	85	58	-	4	3-M8
7100-0005П	130	142	40	95	65	-	5	3-M8
7100-0007П	165	180	65	109	75	-	5	3-M10
7100-0009П	210	226	80	120	80	-	5	3-M12
7100-0011П	270	290	100	142.5	90	-	6	3-M12
7100-0015П	340	368	130	155.5	100	-	6	3-M16
7100-0017П	440	465	200	176	115	-	6	3-M16



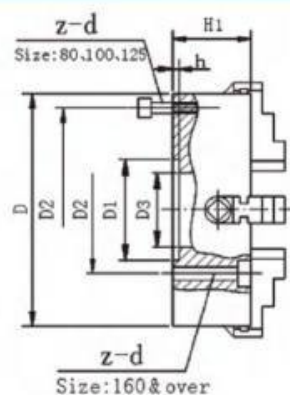
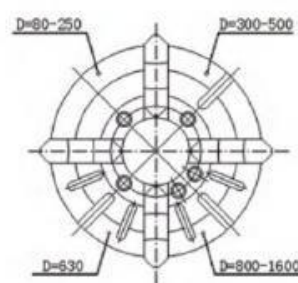
Model	D	D1	D2	D3	D4	H1	h	h1	h2	d1	Z-d
7100-0033П	200	106.375	133.4	60	170	88	16	13	6.5	19.5	4-M12
7100-0035П	250	106.375	133.4	70	170	95	16	13	6.5	19.5	4-M12
7100-0037П	250	139.719	171.4	80	220	95	18	14	8	24.2	4-M16
7100-0039П	315	106.375	133.4	100	170	112	16	13	6.5	19.5	4-M12
7100-0041П	315	139.719	171.4	100	220	112	18	14	8	24.2	4-M16
7100-0043П	400	139.719	171.4	130	220	122	18	14	8	24.2	4-M16
7100-0045П	400	196.869	235	130	290	122	20	16	10	29.4	6-M20



K12 型产品适用于具有一定批量的各种下方形、八棱形零件的加工, 可自动定心, 快速加紧。本产品的卡爪结构参数与 K11 系列三爪自定心卡盘的基本相同。

Mode K12 chucks are suitable for using in processing a large quantity of the square workpieces and The eight-edged work-pieces. They are remarkable for their automatic centring and quick clamping. The structure parameters of these chucks are the same as those of K11 series three-jaw self-centring chucks.

Size(D)	D1	D2	D3	H1	h	Z-d	Max.input torque (N.m)	Max.Speed (R/min)	Net WT.
80	55	66	16	50	3.5	4-M6	40	4000	1.9
100	72	84	22	55	3.5	4-M8	60	3500	3.2
125	95	108	30	58	4	4-M8	100	3000	5
130	100	115	30	60	4	4-M8	100	3000	5.6
160	130	142	45	65	5	3-M8	160	2500	8.8
165	130	145	45	66.5	4.5	3-M8	160	2500	9.5
190	155	172	55	75	5	3-M10	250	2000	13.8
200	165	180	65	75	5	3-M10	250	2000	15.5
240	195	215	70	80	5	3-M12	320	1600	24
250	206	226	80	80	5	3-M12	320	1600	25.7
250A	206	226	80	80	5	3-M12	320	1600	23.5
250C	206	226	80	80	5	3-M12	320	1600	23
315	260	285	100	90	6	3-M16	400	1200	47
315A	260	285	100	90	6	3-M16	400	1200	41
315C	260	285	100	90	6	3-M16	400	1200	40
320	270	290	100	95	11	3-M16	400	1200	47.5
320C	270	290	100	95	11	3-M16	400	1200	42
325	272	296	100	96	11	3-M16	400	1200	49
380A	325	350	135	98	6	3-M16	500	1000	62
400A	340	368	130	100	6	3-M16	500	1000	71
500A	440	465	200	115	7	6-M16	630	800	118
630A	560	595	260	130	8	6-M16	800	600	210
800A*	710	760	280	155	8	6-M20	1000	730	390
1000A*	910	950	400	165	10	6-M24	1200	600	596

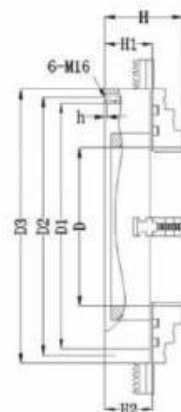
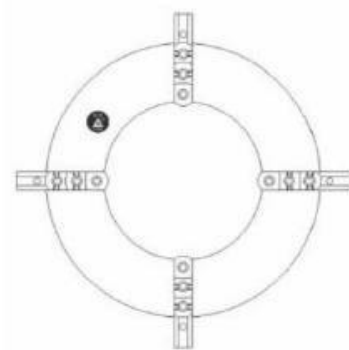


短圆柱连接形式，单动可调，适用各种形状工件的加工

Chucks adopt short cylindrical center mounting. They are independent and adjustable and for machining all kinds of special-shaped workpieces.

Size(D)	D1	D2	D3	H1	h	Z-d	Max.input torque(N.m)	Max.Speed(R/min)	Net WT.
50	15	38	M14x1	39	5	4-M4	10	6000	0.55
80	55	66	22	42	3.5	4-M6	25	4000	1.5
100	72	84	25	74	3.5	4-M8	30	3500	3
125	95/92	108	30	56	4.5	4-M8	50	3000	5
160	65	95	45	65	5	4-M10	70	2500	9
200	80/75	112/95	56	75	6	4-M10	100	2000	15
250	110	130	75	80	6	4-M12	150	1600	23
300	152	130	75	90	6	4-M12	180	1200	39
320	140	165	95	90	6	4-M16	200	1200	40
350	130	168	95	90	6	4-M16	250	1200	53
400	160	185	125	95	8	4-M16	280	1000	55
450	180	205	140	100	8	4-M16	300	900	71
500	200	236	160	106	8	4-M20	350	800	102
630	220	258	180	115	10	4-M20	400	600	159
800	250	300	240	135	12	8-M20	500	500	255
1000	285	330.2	280	152	23	8-M24	600	400	430
1250	285	330.2	280	156	23	8-M24	-	-	735
1400	285	330.2	280	156	23	8-M24	-	-	860
1600	285	330.2	280	168	23	8-M24	-	-	1250

KLG 系列大通孔自定心卡盘 KLG Series Large Through Hole Self-Centering Chucks



规格 D	D1(止口)	D2(分度圆)	D3(外径)	H	H1	H2	h	z-d	夹持范围
300	528	560	590	200	115	121	6	6-M16	50-300
400	628	660	690	200	115	121	6	6-M16	50-400
600	828	860	890	200	115	121	6	6-M16	250-600
800	1028	1060	1090	200	115	121	6	6-M16	450-800
1000	1228	1365	1400	200	115	121	6	6-M16	650-1000
1200	1428	1565	1600	200	115	121	6	6-M16	850-1200



扳手 Wrench

螺丝 Screw



正爪 Internal Jaw

反爪 External Jaw

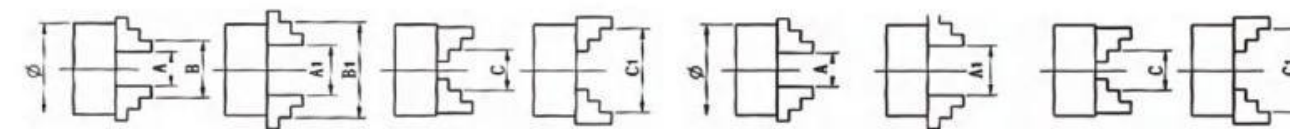
软爪 Soft Jaw

硬顶爪 Top Jaw



卡盘旋转原理分解图 Exploded diagram of chuck rotation principle

卡盘夹持范围 Lathe Chuck Clamping Range



自定心卡盘夹持范围
Self-Centering Chuck Clamping Range

单动卡盘夹持范围
Independent Chuck Clamping Range

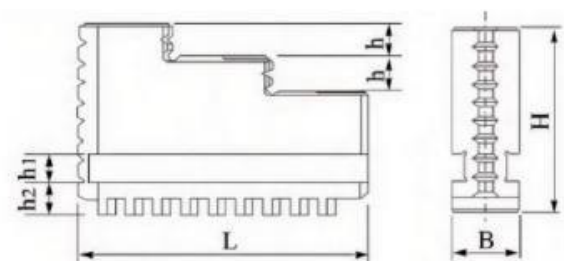
Size	正爪 Internal Jaw		反爪 External Jaw
	夹持范围 Clamping Range	撑紧范围 Jamming Range	夹持范围 Clamping Range
	A-A1	B-B1	C-C1
80	2-22	25-70	22-63
100	2-30	30-90	30-80
125	2.5-40	38-125	38-110
160	3-55	50-160	55-145
200	4-85	65-200	65-200
250	6-110	80-250	90-250
315	10-140	95-315	100-315
400	15-210	120-400	120-400
500	25-280	150-500	150-500
630	50-350	170-630	170-630
800	150-450	300-800	300-800
1000	290-600	430-1000	430-1000

Size	正爪 Internal Jaw		反爪 External Jaw
	夹持范围 Clamping Range	撑紧范围 Jamming Range	夹持范围 Clamping Range
	A-A1	B-B1	C-C1
80	5-35		35-80
100	6-45		40-100
125	7-57		48-125
160	8-80		50-160
200	10-100		63-200
250	15-130		80-250
315	20-170		100-315
400	25-250		118-400
500	35-300		120-500
630	50-400		160-630
800	70-540		200-800
1000	100-680		250-1000
1250	120-930		280-1250

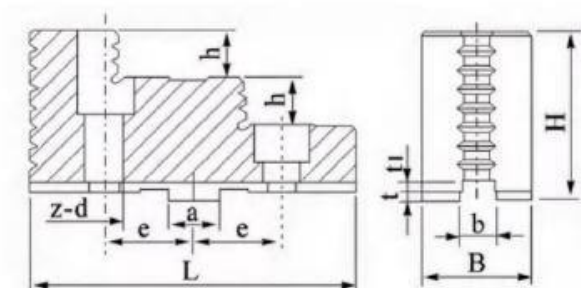


卡爪分为：整体爪、分离爪。可按用户要求提供各种型号硬卡爪。

Hard jaws include one-piece jaws and two-piece jaws. All kinds of hard jaws can be provided as the request of customers.

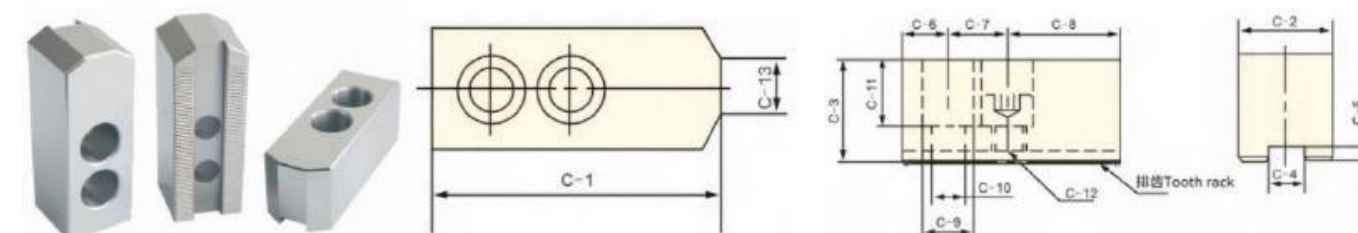
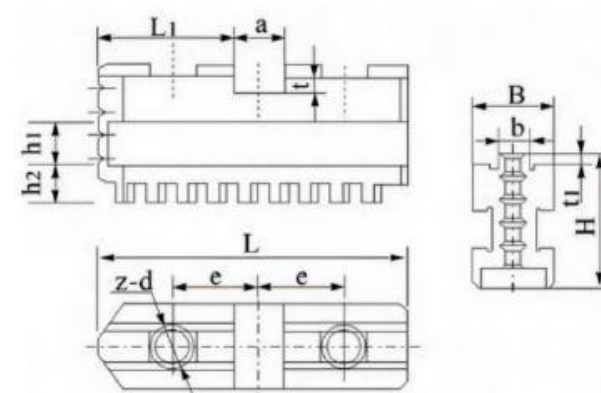


Model	80	100	125	160	200	250	315	400	500
L	32	42	56	70	85	105	125	138	168
B	12	15	16	18.5	22	27	36	36	46
H	33	38	46	54	61	69	86	90	105
h	6.5	7	9	12	12	12	17	17	20
h1	6	6.5	7	9	10	12	13.5	13.5	17
h2	7	8	8	10	10	10	13	13	18



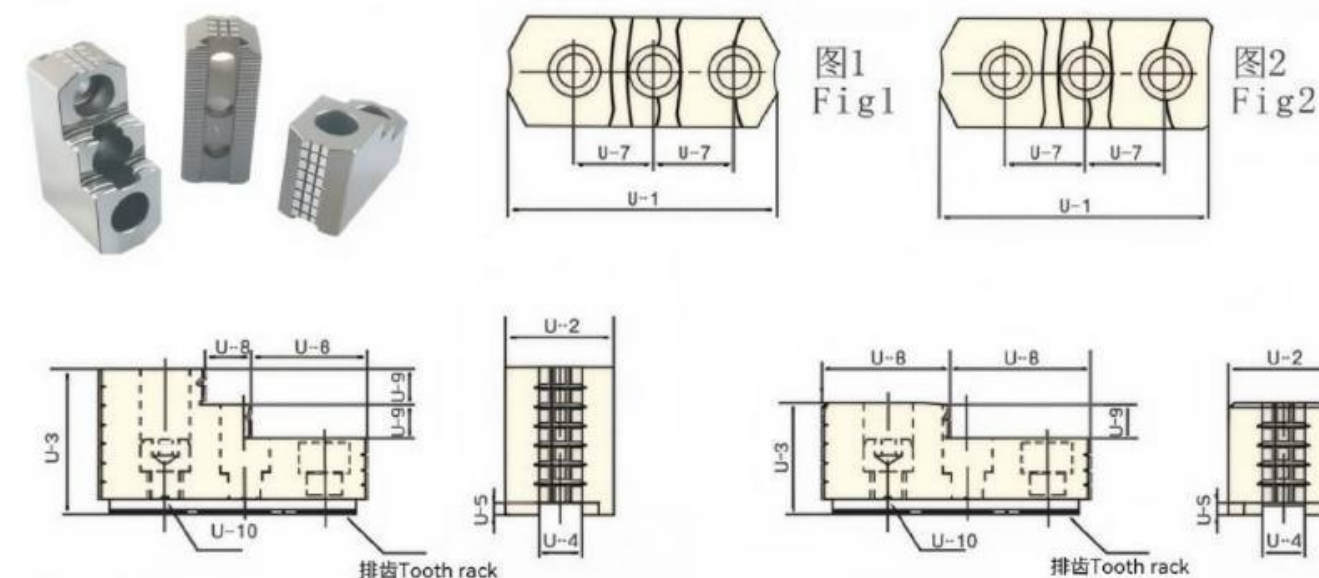
Model	160	200	250	320	400	500
L	68	80	96	116	127	130
B	25	30	36	42	45	50
H	41	45	51	62	68	86
h	9	10.5	12.5	17	17	20
a	12.675		19.025			
b	7.94		12.7			
e	19	22.2	27	31.75	38.1	
t	3				6	
t1	4					
z-d	2-11	2-11	2-13	2-13	2-18	2-22

Model	160	200	250	320	400	500
L	64	80	95	113	127	165
B	20	22	27	36	36	46
H	33	35	35	43	46	55
L1	29	34.9	40	48	57	57
a	12.675		19.025			
b	7.94		12.7			
e	19	22.2	27	31.75	38.1	
t	4				7	
t1	3					
z-d	2-M10	2-M10	2-M12	2-M12	2-M16	4-M20
h1	9	10	12	13.5	13.5	17
h2	10	10	10	13	13	18

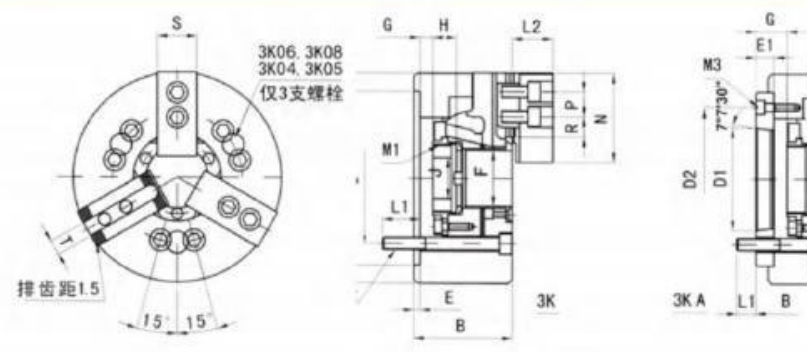


Model	C-1 (mm)	C-2 (mm)	C-3 (mm)	C-4 (mm)	C-5 (mm)	C-6 (mm)	C-7 (mm)	C-8 (mm)	C-9 (mm)	C-10 (mm)	C-11 (mm)	C-12 (mm)	C-13 (mm)	锯齿状节距 Serrated Pitch (mm)	三爪重量 (kg)
SJ-04	49.5	23	23	10	5	9	14	26.5	13.5	9	14	M8	4	1.5x60°	0.45
SJ-05	54	25	30	10	5	9	14	31	13.5	9	21	M8	5	1.5x60°	0.70
SJ-06	73	31	36	12	5	15	20	38	17	11	23	M10	14	1.5x60°	1.50
SJ-08	95	35	37	14	5	25	25	45	19	13	22	M12	16	1.5x60°	2.40
SJ-10	110	40	42	16	5	30	30	50	19	13	27	M12	18	1.5x60°	3.70
SJ-12	130	50	50	21	5	39	30	61	25	17	30	M16	23	1.5x60°	6.20
SJ-12-1	130	50	50	18	5	39	30	61	23	15	30	M14	23	1.5x60°	6.25
SJ-15	165	62	62	22	9	37	43	85	32	21	38	M20	—	1.5x60°	12.80
SJ-15-1	165	62	62	25.5	5	37	43	85	32	21	38	M20	—	1.5x60°	12.80
SJ-24-1	180	65	70	25	9	40	60	80	32	21	45	M20	—	3.0x60°	16.00

油压硬爪 Standard Hardened Jaws



Model	U-1 (mm)	U-2 (mm)	U-3 (mm)	U-4 (mm)	U-5 (mm)	U-6 (mm)	U-7 (mm)	U-8 (mm)	U-9 (mm)	U-10 (mm)	锯齿状节距 Serrated Pitch (mm)	三爪重量 (kg)	参考图
HJ-06	53	23	28	10.0	4	29	14	24	10	M8x1.25P	1.5x60°	0.4	Fig2
HJ-06	67	31	36	12.0	5	40	20	27	12	M10x1.5P	1.5x60°	0.95	Fig2
HJ-08	86	35	51	14.0	5	29	25	18	12	M12x1.75P	1.5x60°	1.9	Fig1
HJ-10	100	40	54	16.0	5	45	30	18	13	M12x1.75P	1.5x60°	2.8	Fig1
HJ-12	108	50	67	21.0	5	48	30	20	16	M16x2P	1.5x60°	3.5	Fig1
HJ-12-1	108	50	67	18.0	5	48	30	20	16	M16x2P	1.5x60°	3.7	Fig1
HJ-15	143	62	86	22.0	9	55	43	38	20	M20x2.6P	1.5x60°	9.6	Fig1
HJ-15-1	143	62	86	25.5	5	55	43	38	20	M20x2.5P	1.5x60°	9.5	Fig1



中空型设计，可用于较长工件加工。重复定位精度高，夹紧力大。

Hollow design can be used for long workpiece processing. It boasts sound accuracy for positioning repetition, sound clamp force and suitability for automatic production.

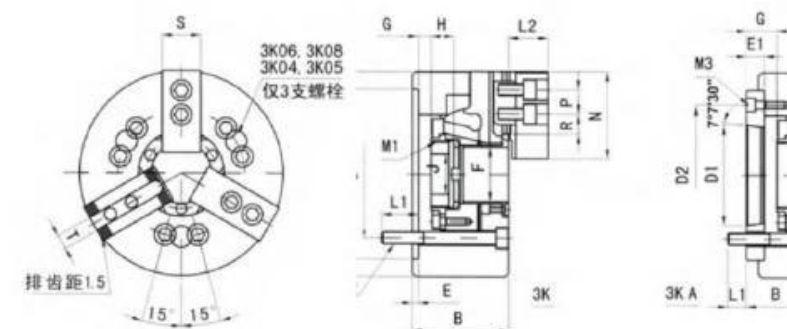
尺寸参数 / Performance Parameters

规格 Specification		A	B		C(H6)	D	D1	D2	E	E1	F	G				H	J
												max		min			
3K-04		110	59		85	70.6			4		26	3.5		-6.5		17.5	12
3K-05	A4	135	60	71	110	82.6	63.51	96			33	1	16	-9	6	20	
3K-06	A5	169	81	91	140	104.8	82.56	116	5	15	45	11	26	-1	14	19	20
3K-08	A5	210	91	109	170	133.4		140.8			23	52	14.5	37.5	-1.5	21.5	20.5
	A6			103			150	17		31.5	15.5						
3K-10	A6	254	100	120	220	171.4	106.38	133.4		25	75	8.5	33.5	-10.5	14.5	25	45
	A8			113				139.72	190	18			26.5		7.5		
3K-12	A8	304	120	137	220	171.4	139.72	190	5	22	92	23	45	0	22	32	

规格 specification		L1		L2	M1	M2	M3	N	P	R		S	T
										max	min		
3K-04		16		24	M32*1.5	3-M10		52	14	11.3	6.8	25	10
3K-05	A4	15	15	31	M40*1.5			62		19.8	7.8		
3K-06	A5	16	16	37	M55*2		3-M10		73	20	22.8	9.3	31
3K-08	A5	20	17	38	M60*2	3-M12	6-M10	95	25	29.8	14.8	35	14
	A6						3-M6						
3K-10	A6	22	18	43	M85*2	6-M16	6-M12	30	33.8	14.3	40	16	
	A8		24				3-M8						
3K-12	A8	38	30	52	M100*2	6-M16	6-M10		30	21.2	15.9	50	18

尺寸参数 / Performance Parameters

规格 Specification	楔心行程 mm Wedge core travel	爪行程直径 mm Jaw stroke t (Diameter)	许用推力 KN(kgf) Permitted push-pull force	最大夹紧力 KN(kgf) Max.gripping force	极限转速 r/min Limited rotating speed	夹紧范围 mm Clamping range	惯量 Kg.m ² Inertia	净重 kg Net weight	推荐油缸 Recommended oil cylinder	最大使用压力 MPa(kgf) Max.application pressure
3K-04	10	5.4	13.7(1400)	28.4(2900)	8000	1-110	0.01	4	KY-428	2.3(23)
3K-05			17.1(1750)	35.8(3650)	7000	12-135	0.02	6.7	KY-536	2.9(29)
3K-06	A5	5.5	21.5(2200)	56.8(5800)	6000	15-168	0.06	11.9	KY-646	2.8(28)
3K-08	A5	7.4	34.3(3500)	85.8(8750)	5000	13-210	0.18	22.5	TK-852	2.8(28)
	A6									
3K-10	A6	8.8	42.6(4380)	110.7(11300)	4200	31-254	0.33	34.5	KY-1075	2.7(27)
	A8									
3K-12	A8	10.6	54(5510)	140.4(14326)	3200	35-304	0.42	58.5	P2091	2.6(27)



重复定位精度高，夹紧力大，适合自动化生产。

It boasts sound accuracy for positioning repetition, sound clamp force and suitability for automatic production.

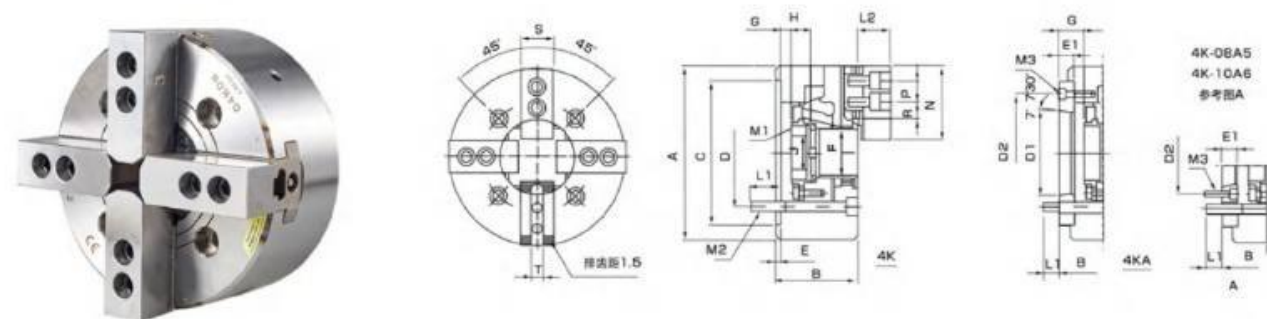
尺寸参数 / Performance Parameters

规格 Specification		A	B		C (H6)	D	D1	D2	E	E1	F	G				H	J
												max		min			
3S-04		110	52		60	80	—	—	6	—	—	18		3		25	26
3S-15		135	55		80	100			7			9		-6		35	28
3S-16	A5	165	74	84	140	104.8	82.56	116	5	15	21	101.5	86.5	81.5	66.6	36	34
3S-08	A5	210	85	103	170	133.4		104.8		23	25	127	104	106	83		38
	A6			97			17	110		89							
3S-10	A6	254	89	109	220	171.4	106.38	133.4		25	34	158	133	133	108		45
	A8			102			139.72	190	18	140			115				
3S-12	A6	304	106	125	220	171.4	106.38	133.4	6	25	34	163	138	133	108	36	50
	A8			118			139.72	190		18			145		115		

规格 Soecification		L1		L2	M1	M2	M3	N	P	R		S	T
										max	min		
3S-04		12		F	M10*1.5	3-M8		52	14	11.3	8.3	25	10
3S-15		14		32	M12*1.75			62		13.5	6		
3S-16	A5	14	14	39	M16*2	3-M10	3-M6	73	20	18	7.5	1	12
3S-08	A5	20	17	41	M20*2.5	3-M12	6-M10	95	25	22.3	11.8	35	14
	A6		18				3-M6						
3S-10	A6	18	25	46	M20*2.5	6-M16	6-M12	110	30	30.8	11.3	40	16
	A8						3-M8						
3S-12	A6	18	18	51	M20*2.5	6-M16	6-M12	130	30	48.8	12.3	50	18/21
	A8		25				3-M8						

尺寸参数 / Performance Parameters

规格 Specification	楔心行程 mm Wedge core travel	爪行程直径 mm Jaw stroke t (Diameter)	许用推力 KN(kgf) Permitted push-pull force	最大夹紧力 KN(kgf) Max.gripping force	极限转速 r/min Limited rotating speed	夹紧范围 mm Clamping range	惯量 Kg.m ² Inertia	净重 kg Net weight	推荐油缸 Recommended oil cylinder	最大使用压力 MPa(kgf) Max.application pressure
3S-04	15	6.4	8.1(830)	22.5(2300)	6000	5-110	0.01	4.1	SY-80	2.2(22)
3S-15				25(2550)	5500	14-135	0.02	6.2	SY-80/SQ-130	
3S-16	A5	8.5	179(1830)	52.4(5350)	5250	14-165	0.05	13	SY-100	3.0(30)
3S-08	A5	8.8	25(2550)	74.5(7600)	4750	17-210	0.14	24	SY-125	2.6(26)
	A6									
3S-10	A6	8.8	28.9(2950)	107.8(11000)	4000	22-254	0.30	35	SY-125 SQ-170B	3.0(30)
	A8									
3S-12	A6	10.5	41(4180)	155.8(15900)	3360	22-304	0.73	59	SY-150	3.0(30)
	A8									



高速运转平稳，坚固耐用。重复定位精度高，夹紧力大。特别适合异性工件的夹持。中空型设计，可用于较长工件加工

The Product, solid and durable, can operate smoothly at high speed. It boasts sound accuracy for positioning repetition, sound clamp force and suitability for automatic production. It is especially suitable for clamping atypical work pieces. The through-hole type is designed to process long work pieces.

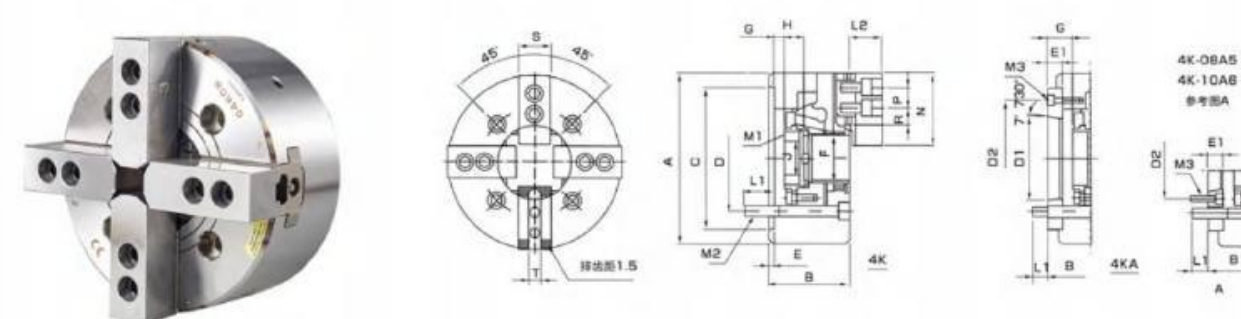
尺寸参数 / Performance Parameters

规格 Specification	A	B		C (H6)	D	D1	D2	E	E1	F	G				H	J	
											max		min				
4K-06	A5	169	81	91	140	104.8	82.56	116	5	15	45	11	26	-1	14	19	20
4K-08	A5	210	91	109	170	133.4		104.8		23	52	14.5	37.5	-1.5	21.5	20.5	30
	A6			103		150		31.5		15.5							
4K-10	A6	254	100	120	220	171.4		133.4		25	75	8.5	33.5	-10.5	14.5	25	45
	A8			113		139.72		190		18			26.5		7.5		

规格 Specification		L1		L2	M1	M2	M3	N	P	R		S	T
										max	min		
4K-06	A5	16	16	37	M55*2	6-M10	3-M6	73	20	22.8	9.3	31	12
4K-08	A5	20	17	38	M80*2	4-M12	6-M10	95	25	29.8	14.8	35	14
	A6		18				3-M6						
4K-10	A6	22	24	43	M82*2	4-M16	6-M12	110	30	33.8	14.3	40	16
	A8						3-M8						

尺寸参数 / Performance Parameters

规格 Specification		楔心行程 mm Wedge core travel	爪行程直径 mm Jaw stroke t (Diameter)	许用推拉力 KN(kgf) Permitted push- pull force	最大夹紧力 KN(kgf) Max.gripping force KN(kgf)	极限转速 r/min Limited rotating speed (c/min)	夹紧范围 mm Clamping range	惯量 Inertia Kg.m ²	净重 kg Net weight		推荐油缸 Recommended oil cylinde	最大使用压力 MPa(kgf) Max. application pressure
4K-06	A5	12	5.5	21.5(2200)	56.8(5800)	6000	15-168	0.06	11.9	13.7	KY-646	2.8(28)
4K-08	A5	16	7.4	34.3(3500)	85.8(8750)	5000	13-210	0.18	0.18	25.4	TK-852	2.8(28)
	A6									23.6		
4K-10	A6	19	8.8	42.6(4380)	110.7(11300)	4200	31-254	0.33	0.33	41.5	KY-1075	2.7(27)
	A8									40		



高速运转平稳，坚固耐用。重复定位精度高，夹紧力大。特别适合异性工件的夹持。

The Product, solid and durable, can operate smoothly at high speed. It boasts sound accuracy for positioning repetition, sound clamp force and suitability for automatic production. It is especially suitable for clamping atypical work pieces.

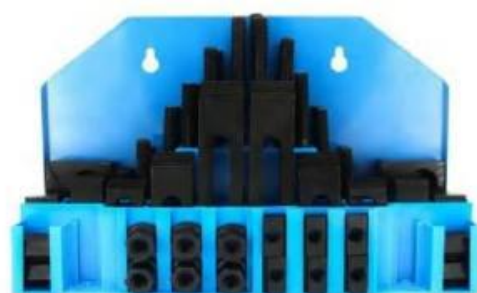
尺寸参数 / Performance Parameters

规格 Specification		A	B		C (H6)	D	D1	D2	E	E1	F	G				H	J
												max		min			
4S-06	A5	169	74	84	140	104.8	82.56	116	5	15	21	101.5	86.5	81.5	66.6	36	34
4S-08	A5	210	85	103	170	133.4		104.8		23	25	127	104	106	83		45
	A6			97			17	89									
4S-10	A6	254	89	109	220	171.4	133.4	25		34	158	133	133	108	45		
	A8			102			139.72	190				18		140			115

规格 Specification		L1		L2	M1	M2	M3	N	P	R		S	T
										max	min		
4S-06	A5	14	16	39	M16*2	4-M10	3-M6	73	20	18	7.5	31	12
4S-08	A5	20	17	41	M20*2.5	4-M12	6-M10	95	25	22.3	11.8	35	14
	A6		18				3-M6						
4S-10	A6	18	46	4-M16		6-M12	110	30	30.8	11.3	40	16	
	A8	20				24							3-M8

尺寸参数 / Performance Parameters

规格 Specification		楔心行程 mm Wedge core trave	爪行程直径 mm Jaw stroke t (Diameter)	许用维拉力 KN(kgt) Permitted push- pull force	最大夹紧力 KN(kgt) Max.gripping force KN(kgf)	极限转速 r/min Limited rotating speed(c/min)	夹紧范围 mm Clamping range	惯量 Inertia Kg.m ²	净重 kg Net weight	推荐油缸 Recommended oil cylinde	最大使用压力 MPa(kgt) Max. application pressure
4S-06	A5	20	9.2	17.9(1830)	52.4(5350)	5250	14-165	0.05	13 14	SY-100	3.0(30)
4S-08	A5	21	9.7	25(2550)	74.5(7600)	4750	17-210	0.14	24 28 27	SY-125	2.6(26)
	A6										
4S-10	A6	25	8.8	28.9(2950)	107.8(11000)	4000	22-254	0.3	35 42 40	SQ-170B	3.0(30)
	A8										0.6(6)



Type A



Type B



Type C



阶梯垫铁 12 个
Step Blocks 12Pcs



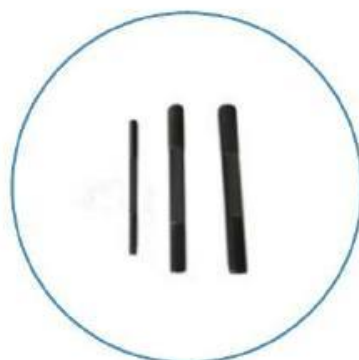
阶梯压板 6 个
Step Clamps 6Pcs



T 型螺母 6 个
T-Nuts 6Pcs



法兰螺母 6 个
Flange Nuts 6Pcs



双端螺栓 24 个
Studs 24Pcs



连接螺母 4 个
Coupling Nuts 4Pcs

材质 Material: S45C;
硬度 Hardness: HRC20±;
表面氧化处理;
Heat treated steel black oxide finish.
套装共包含配件 58Pcs
The set contains 58Pcs;



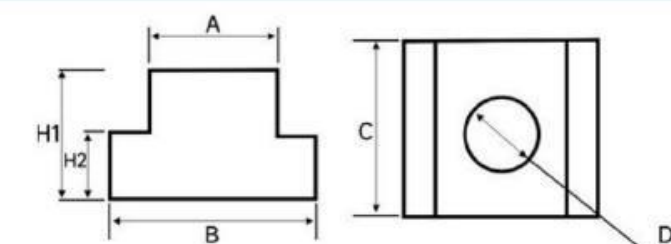
M8-M16



M18-M24

Model	Taiwan Code	Table Slot 表槽	Stud Sizes 螺栓尺寸	G.W.	GB
M8	CK-08	10	8-1.25P	7	
M10	CK-10	12	10-1.25P	9	3/8-16
M12	CK-12	14	12-1.75P	10	1/2-12
M14	CK-14	16	14-2.0P	11	
M16	CK-16	18	16-2.0P	13	5/8-11
M18	CK-18	20	18-2.5P	25	
M20	CK-20	22	20-2.5P	26	3/4-10
M24	CK-24	28	24-3.0P	38	

T 型螺母 T-Nuts



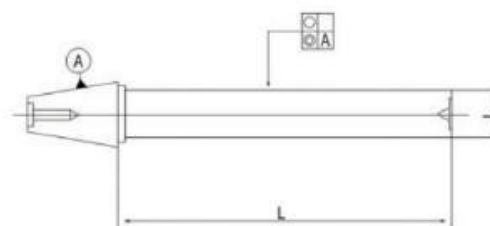
D	A	B	C	H1	H2
M8	10	15	15	12	6
M10	12	18	20	14	7
M12	14	22	25	16	8
M14	16	25	25	16	10
M16	18	29	30	19	10.5
M18	20	34	34	28	14
M20	22	34	34	28	14
M24	28	44	44	36	18



BT



HSK



Model	D	L	圆柱度 Cylindricity	同轴度 Concentricity
BT30-D32-250	32	250	0.002	0.003
BT40-D40-300	40	300	0.002	0.003
BT50-D40-300	40	300	0.002	0.003
BT50-D40-350	40	350	0.002	0.003

Model	D	L	圆柱度 Cylindricity	同轴度 Concentricity
HSK32A/E-D25-200	25	200	0.002	0.003
HSK40A/E-D30-200	30	200	0.002	0.003
HSK50A/E-D30-250	30	250	0.002	0.003
HSK63A/E-D40-300	40	300	0.002	0.003
HSK100A/E-D50-300	50	300	0.002	0.003

锁刀座 Tool Holder Devices

BT 系列加硬锁刀座
BT Series Harden Locking Devices


Model	适配刀柄 Applicable holders
ZZ-BT30	MAS403-BT30
ZZ-BT40	MAS403-BT40
ZZ-BT50	MAS403-BT50

轴承式锁刀座
Locking Devices With Bearings

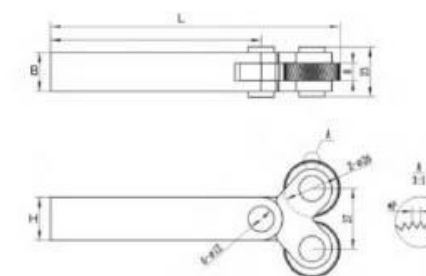

Model	适配刀柄 Applicable holders
BD-HSK32	HSK32A/32E
BD-HSK40	HSK40A/40E
BD-HSK50	HSK50A/50E
BD-HSK63	HSK63A/F
BD-HSK100	HSK100

全铝加硬锁刀座
BT Series Aluminum Harden Locking Devices


Model	适配刀柄 Applicable holders
BT30	MAS403-BT30
BT40	MAS403-BT40
BT50	MAS403-BT50

仰式锁刀座
Tool Holder Tightening Fixture

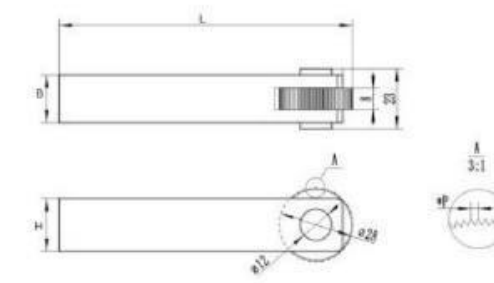

适配刀柄 Applicable holders
MAS403-BT30
MAS403-BT40
MAS403-BT50



P 0.3 0.4 0.5 0.6 0.8 1 1.2 1.6 1.8 2

网纹滚花刀
Reticulated knurling holder with two wheels

节距 P Pitch	总长 L Total Length	宽 B Width	高 H Height
0.3	137	18	21
0.4	137	18	21
0.5	137	18	21
0.6	137	18	21
0.8	137	18	21
1	137	18	21
1.2	137	18	21
1.6	137	18	21
1.8	137	18	21
2	137	18	21



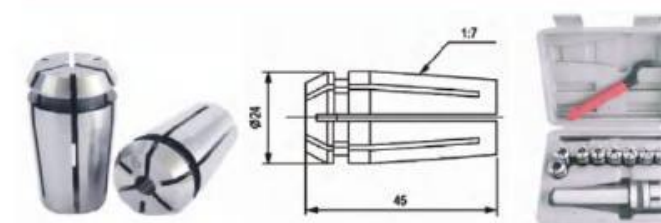
P 0.3 0.4 0.5 0.6 0.8 1 1.2 1.6 1.8 2

单位: mm Unit: mm

直纹滚花刀
Straight knurling holder with single wheel

节距 P Pitch	总长 L Total Length	宽 B Width	高 H Height
0.3	112	18	21
0.4	112	18	21
0.5	112	18	21
0.6	112	18	21
0.8	112	18	21
1	112	18	21
1.2	112	18	21
1.6	112	18	21
1.8	112	18	21
2	112	18	21

J7316A 铣夹头套装 J7316A Collets & Chuck Set



Model	孔尺寸 Hole Sizes mm	英寸 Inch	PCS/ Set	柄 Shank Sizes	Wt.
J7316A/NT30	4.5	1/8"	8	NT30	3.373
J7316A/NT40	6.8	1/4"		NT40	3.708
J7316A/MT2	10.12	3/8"		MT2	3.52
J7316A/MT3	14.16	9/16"		MT3	3.752
J7316A/MT4		5/8"		MT4	4.646

J7316B 铣夹头套装 J7316B Collets & Chuck Sets



Model	孔尺寸 Hole Sizes mm	英寸 Inch	PCS/Set	柄 Shank Sizes	Wt.
J7316B/MT2	4	1/8"	8	MT2	3.52
J7316B/MT3	5	3/16"		MT3	3.752
J7316B/MT4	6	1/4"		MT4	4.646
J7316B/NT30	8	5/16"		NT30	3.373
J7316B/NT40	10	3/8"		NT40	3.708
J7316B/1"	12	1/2"		1"	3.80
J7316B/1-1/4"	14	9/16"		1-1/4"	4.506
J7316B/R8	16	5/8"		R8	3.58

83 重型活动带砧式台钳

83 Type Heavy Duty Bench Vices With Anvil Swivel Base



Model	Size	Width of jaw	QTY/Case	G.W./N.W.
8303	3"	75	4	28/26
8304	4"	100	2	23/22
8305	5"	125	1	20/19
8306	6"	150	1	30/29
8308	8"	200	1	44/42
8310	10"	250	1	70/62
8312	12"	300	1	75/69

83 重型固定带砧式台钳

83 Type Heavy Duty Bench Vices With Anvil Stationary Base



Model	Size	Width of jaw	QTY/Case	G.W./N.W.
8323	3"	75	4	22/20
8324	4"	100	2	22/20
8325	5"	125	1	18/17
8326	6"	150	1	28/26
8328	8"	200	1	42/40

83 重型活动无砧式台钳

83 Type Heavy Duty Bench Vices Without Anvil Swivel Base



Model	Size	Width of jaw	QTY/Case	G.W./N.W.
8353	3"	75	4	24/22
8354	4"	100	2	22/20
8355	5"	125	1	18/17
8356	6"	150	1	28/26
8358	8"	200	1	42/40

83 重型固定无砧式台钳

83 Type Heavy Duty Bench Vices Without Anvil Stationary Base



Model	Size	Width of jaw	QTY/Case	G.W./N.W.
8363	3"	75	4	24/22
8364	4"	100	2	22/20
8365	5"	125	1	18/17
8366	6"	150	1	28/26
8368	8"	200	1	42/40

89 轻型活动带砧式台钳

89 Type Light Duty Bench Vices With Anvil Swivel Base



Model	Size	Width of jaw	QTY/Case	G.W./N.W.
8903	3"	75	4	20/18
8904	4"	100	4	30/28
8905	5"	125	2	28/26
8906	6"	150	1	21/20
8908	8"	200	1	31/30
8910	10"	250	1	46/44

89 轻型固定带砧式台钳

89 Type Light Duty Bench Vices With Anvil Stationary Base



Model	Size	Width of jaw	QTY/Case	G.W./N.W.
8924	4"	100	4	30/28
8925	5"	125	2	28/26
8926	6"	150	1	21/20
8928	8"	200	1	31/30

89 轻型活动无砧式台钳

89 Type Light Duty Bench Vices With Anvil Stationary Base



Model	Size	Width of jaw	QTY/Case	G.W./N.W.
8954	4"	100	4	30/28
8955	5"	125	2	28/26
8956	6"	150	1	21/20
8958	8"	200	1	31/30

89 轻型固定无砧式台钳

89 Type Light Duty Bench Vices Without Anvil Stationary Base



Model	Size	Width of jaw	QTY/Case	G.W./N.W.
8964	4"	100	4	22/20
8965	5"	125	2	22/20
8966	6"	150	1	18/17
8968	8"	200	1	26/25

96 超轻型活动带砧式台钳

96 Type Super Light Duty Bench Vices With Anvil Swivel Base



Model	Size	Width of jaw	QTY/Case	G.W./N.W.
9604	4"	100	4	22/20
9605	5"	125	2	17/15
9606	6"	150	1	12/11
9608	8"	200	1	24/22

96 超轻型固定带砧式台钳

96 Type Super Light Duty Bench Vices With Anvil Stationary Base



Model	Size	Width of jaw	QTY/Case	G.W./N.W.
9624	4"	100	4	22/20
9625	5"	125	2	17/15
9626	6"	150	1	12/11
9628	8"	200	1	24/22

93 美式活动带砧台钳

93 American Type Bench Vices With Anvil Swivel Base



Model	Size	Width of jaw	QTY/Case	G.W./N.W.
9303	3.5"	87.5	6	30/27
9304	4"	100	4	21.5/19

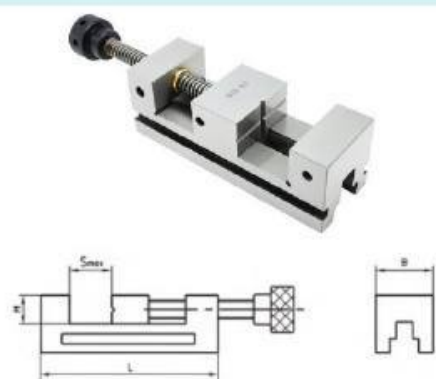
95 美式活动带砧台钳

95 American Type Bench Vices With Anvil Swivel Base



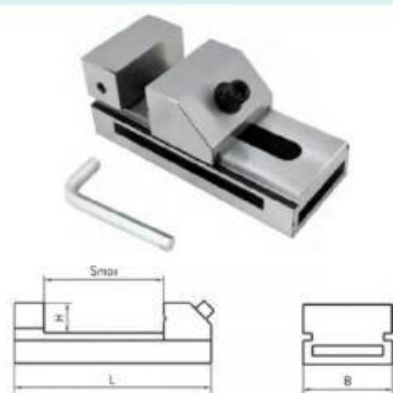
Model	Size	Width of jaw	Max. Opening	QTY/Case	G.W./N.W.
9504	4"	100	127	2	28/26
9505	5"	125	152	2	19/18
9506	6"	150	178	1	29/27

QGG 精密组合平口钳 QGG Precision Tool Vices



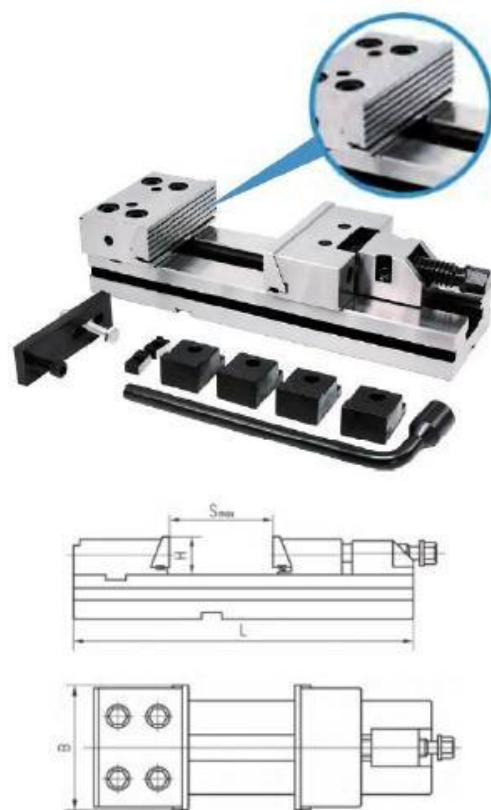
Model	B	H	Smax	L	重量 Wt(kg)
QGG50	50	25	65	155	3
QGG60	60	25	55	110	2.4
QGG63	63	32	85	190	3.8
QGG73	73	35	100	210	5
QGG80	80	40	100	220	6.5
QGG88	88	40	125	250	11
QGG100	100	45	125	260	13
QGG125	125	50	160	300	19.5
QGG125A	125	50	210	350	23
QGG150	150	50	175	315	23.8

QKG 精密工具平口钳 QKG Precision Tool Vices



Model	B	H	Smax	L	重量 Wt(kg)
QKG25	26	9.15	22	65.4	0.5
QKG50	50	25	65	140	2
QKG63	63	32	85	175	3
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
QKG125	125	50	160	285	18
QKG150	150	50	200	330	21.5

GT 精密组合平口钳 GT Precision Moldular Vices



Model	B	H	Smax	L	最大夹紧力 (Kg)Clamping force
GT100	100	30	100	270	3000
GT125	125	40	150	345	3000
GT150A	150	50	200	420	5000
GT150B	150	50	300	520	5000
GT150C	150	50	400	620	5000
GT175A	175	60	200	455	6000
GT175B	175	60	300	555	6000
GT175C	175	60	400	655	6000
GT175D	175	60	500	755	6000
GT175E	175	60	600	855	6000
GT200A	200	65	200	495	10000
GT200B	200	65	300	595	10000
GT200C	200	65	400	695	10000
GT200D	200	65	500	795	10000
GT200E	200	65	600	895	10000
GT300A	300	80	200	535	12000
GT300B	300	80	300	635	12000
GT300C	300	80	400	735	12000
GT300D	300	80	500	835	12000
GT300E	300	80	600	935	12000
GT300F	300	80	700	1035	12000
GT300G	300	80	800	1135	12000



性能及特点

- 由延展性较强的铸铁制作而成（球墨铸铁 200）
- 两钳口的平行度是 0.025mm/100mm，两钳口对导轨面的垂直度是 0.025mm
- 平口钳可单台使用，也可多台并列使用。
- 广泛用于加工中心等精密机床。

Performance and characterist:

- 1. It is made of high-quality cast iron
- 2. Parallelism 0.025mm/100mm, squareness 0.025mm
- 3. The vice body can be indexed through 90 degrees in vertical direction along large arcshaped guideway of swivel disc which can be indexed through 360degrees in horizontal direction on the base
- 4. It is widely used on machine tool in making some kinds of slots, holes and faces

Model	钳口宽度 Width of Jaw	钳口高度 Height of Jaw	钳口开口度 Max.Opening	毛重 / 净重 GW./NW.
QHK100	100	41	80	18 / 17
QHK125	125	45	95	28 / 27
QHK125L	125	45	140	31 / 29
QHK160	160	50	125	40 / 39

QW 型万向平口钳 QW Universal Machine Vices



性能及特点:

- 1. 采用高质量的铸铁材料
- 2. 两钳口的平行度 0.025mm/100mm; 两钳口对导轨面垂直度 0.025mm
- 3. 采用钳体、双向体、滑座回转可倾机构，实现三个方向各种方位的定位
- 4. 广泛用于机械加工、电加工等复杂零件的使用

Performance and characterist:

- 1. It is made of high-quality cast iron
- 2. Parallelism 0.025mm/100mm, squareness 0.025mm
- 3. Attained fitting with a stop in three way, by using such circling delinable structure as vice body, two way body and sliding base
- 4. It is used on machining and EDM complex parts

Model	钳口宽度 Width of Jaw	钳口高度 Height of Jaw	钳口开口度 Max.Opening	毛重 / 净重 GW./NW.
QW100	105	40	105	26/25
QW125	125	44	125	27/26

Q93 型双向角度压紧平口钳 Q93 Double-action Angle Tight Vices



性能及特点:

- 1. 钳体采用高韧性球墨铸铁精密加工而成
- 2. 导轨表面做硬化处理，硬度 HRC50-60
- 3. 角固式夹紧结构防止工件上浮
- 4. 它具有两个夹持工位，可夹持两个尺寸相等或尺寸不等的工作件，还可以夹持两个处于不同夹紧位置加工面不相同的相同工件

Performance and characterist:

- 1. It is made of spheroidal cast iron
- 2. The hardness of working surface is HRC50 - 60
- 3. The vice with angle locked vice can prevent workpieces rising during operation
- 4. It is possessed of two clamping positions, two workpieces of same size or of different size can be clamped with it the vice is also able to clamp two same workpieces which are clamped in different positions and processed in different surfaces

Model	钳口宽度 Width of Jaw	钳口高度 Height of Jaw	钳口开口度 Max.Opening	毛重 / 净重 GW./NW.
Q93100	100	35	76	15/14
Q93160	160	50	100	37/36



性能及特点
 ○由延展性较强的铸铁制作而成 (球墨铸铁 200)
 ○两钳口的平行度是 0.025mm/100mm, 两钳口对导轨面的垂直度是 0.025mm
 ○广泛用于铣床、刨床、钻床等各种平面、沟槽、角度、孔等加工。

Performance and character
 ○ It is made of ductile cast iron(HT200)
 ○ The accuracy of vice is parallelism at 0.025mm/100mm and squareness at 0.025.
 ○ It is widely used on milling and drilling machine for making some kinds of slots, holes and faces

Model	钳口宽度 Width of Jaw	钳口高度 Height of Jaw	钳口开口度 Max.Opening	毛重 / 净重 GW./NW.
QH80	80	32	63	30/28
QH100	100	35	80	45/44
QH125	125	40	100	18/17
QH160	160	52	125	34/33
QH200	200	63	160	45/44

刨床平口钳 QB Planing Machine Vices (QB=Q13)



性能及特点
 ○由延展性较强的铸铁制作而成 (球墨铸铁 200)
 ○两钳口的平行度是 0.025mm/100mm, 两钳口对导轨面的垂直度是 0.025mm
 ○平口钳可单台使用, 也可多台并排使用。
 ○广泛用于加工中心等精密机床。

Performance and character
 ○ It is made of ductile cast iron(HT200)
 ○ The accuracy of vice is parallelism at 0.025mm/100mm and squareness at 0.025
 ○ The vice can be used with single or settled side by side on the machine Worktable
 ○ It is widely used on machining center and other precision machine

Model	钳口宽度 Width of Jaw	钳口高度 Height of Jaw	钳口开口度 Max.Opening	毛重 / 净重 GW./NW.
QB136	136	36	170	17/16
QB160	160	51	180	27/26
QB200	200	64	220	38/37
QB250	250	64	280	56/54
QB320	320	81	360	81/79

角固式平口钳 QM16 Accu-lock Machine Vices



性能及特点
 ○由延展性较强的铸铁制作而成 (球墨铸铁 200)
 ○两钳口的平行度是 0.025mm/100mm, 两钳口对导轨面的垂直度是 0.025mm
 ○平口钳可单台使用, 也可多台并排使用。
 ○广泛用于加工中心等精密机床。

Performance and character
 ○ It is made of ductile cast iron(HT200)
 ○ The accuracy of vice is parallelism at 0.025mm/100mm and squareness at 0.025.
 ○ The vice can be used with single or settled side by side on the machine Worktable.
 ○ It is widely used on machining center and other precision machine.

Model	钳口宽度 Width of Jaw	钳口高度 Height of Jaw	钳口开口度 Max.Opening	毛重 / 净重 GW./NW.
QM16100	100	32	100	17/16
QM16125	125	40	125	21/20
QM16160	160	45	150	36/35
QM16200	200	50	190	58/56



性能及特点
 ○由延展性较强的铸铁制作而成 (球墨铸铁 200)
 ○两钳口的平行度是 0.025mm/100mm, 两钳口对导轨面的垂直度是 0.025mm
 ○平口钳可单台使用, 也可多台并排使用
 ○广泛用于加工中心等精密机床。

Performance and character
 ○ It is made of ductile cast iron(HT200)
 ○ The accuracy of vice is parallelism at 0.025mm/100mm and squareness at 0.025
 ○ The vice can be used with single or settled side by side on the machine Worktable
 ○ It is widely used on machining center and other precision machine

Model	钳口宽度 Width of Jaw	钳口高度 Height of Jaw	钳口开口度 Max.Opening	毛重 / 净重 GW./NW.
QM16100N	100	32	100	113/12
QM16160N	160	45	160	29/28

Q52 型液压增力平口钳 Q52 Hydraulic Power Machine Vices

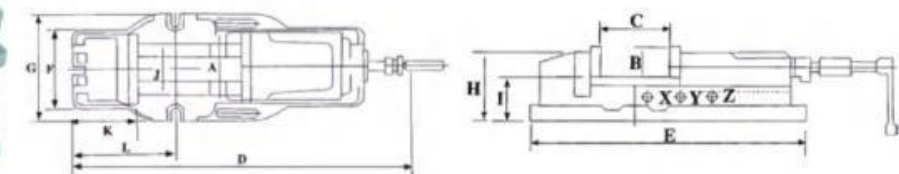


性能及特点
 ○由延展性较强的铸铁制作而成 (球墨铸铁 200)
 ○两钳口的平行度是 0.025mm/100mm, 两钳口对导轨面的垂直度是 0.025mm

Performance and character
 ○ 1.It is made of ductile cast iron(HT200)
 ○ 2.The accuracy of vice is parallelism at 0.025mm/100mm and squareness at 0.025

Model	钳口宽度 Width of jaw(mm)	钳口高度 Height of jaw(mm)	钳口张开度 Max.opening(mm)	毛重 / 净重 G.W./N.W.(kg)	包装体积 长×宽×高 (mm)	包装形式 Packing shape
Q52400	400	85	430	173/169	83x48x30	纸箱 carton
Q52320	320	81	345	105/103	71x57x26	纸箱 carton
Q52150	152	52	320	45/44	66x26x17	纸箱 carton

内藏式油压虎钳 Built-in Hydraulic Vises



Model	A	B	C	D	E	F	G	H	I	J	K	L	Weight	Power	装箱尺寸
HP-5	125	46	220	670	540	165	185	118	72	97	117	185	33KG	3500	655x190x225
HP-6	150	51	300	800	620	200	240	133	82	116	125	247	50KG	4500	760x190x215
HP-8	200	62	300	900	700	240	280	162	100	160	160	266	70KG	6500	820x230x220

○用途: 内藏式油压虎钳适用一般铣床, CNC 立式综合加工中心, 最大开口可夹 300mm。
 ○ Purpose: Built-in hydraulic vise is suitable for general milling machine, CNC vertical integrated machining center, maximum opening can clamp 300mm.
 ○特点: 只要用手一拍, 在转两圈就有上吨夹持力。
 ○ Features: As long as you shoot with your hand, you will have a ton of clamping force after two turns.



为了虎钳使用寿命增长, 请将增压丝杠进到第一圈或适当增压
 In order to increase the service life of the vise, please advance the pressurized screw to the first lap or properly pressurize



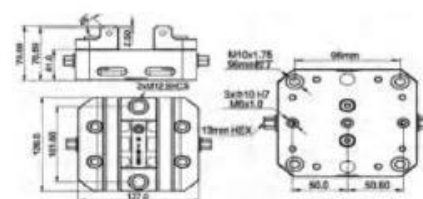
记住ABC三个小孔, 每次开口增加100mm, 要对准里面牙座不然会被卡住
 Remember the three small holes ABC, open each time increase by 100mm, aim at the inner tooth seat otherwise you will get stuck



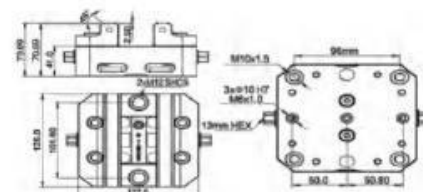
不易被钳住比如薄空心管容易扁, 增压丝杠进到第一圈或适当增压
 It is not easy to be clamped, such as the thin heart tube easily flat, pressurized screw into the first circle or suitable When pressurized



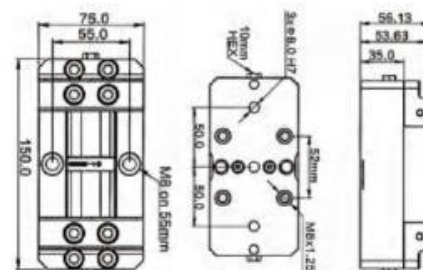
不易被钳住比如铝片容易扁要钳住的面积要多一点, 下面要有支撑
 It is not easy to be clamped. For example, the aluminum sheet is easy to flatten. The area to be clamped should be a little more. Supported



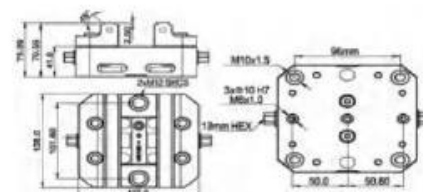
Model	X75-100
规格 Specifications	100x75x56mm
扭矩 Torque	60Nm
螺杆 Screw	14mm
加持范围 Clamping Range	0-76mm



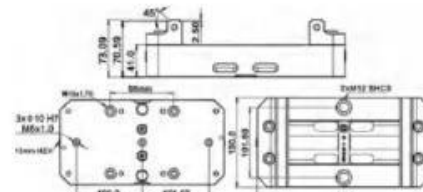
Model	X126-127
规格 Specifications	127x126x73mm
扭矩 Torque	75Nm
螺杆 Screw	17mm
加持范围 Clamping Range	0-115



Model	X75-150
规格 Specifications	150x75x56mm
扭矩 Torque	60Nm
螺杆 Screw	14mm
加持范围 Clamping Range	0-128



Model	X130-153
规格 Specifications	153x130x73mm
扭矩 Torque	75Nm
螺杆 Screw	17mm
加持范围 Clamping Range	0-150



Model	X130-250
规格 Specifications	250x130x73mm
扭矩 Torque	75Nm
螺杆 Screw	19mm
加持范围 Clamping Range	0-230

Q19 德式钻床平口钳 Q19 German Type Drilling Machine Vices



Model	Width of Jaw	Max.Opening	G.W./N.W.
Q1975	75	50	23/21(10PCS)
Q19100	100	75	36/34(10PCS)
Q19125	125	100	25/23(5PCS)
Q19150	150	125	32/30(5PCS)
Q19200	200	175	24/23(2PCS)



Model	Width of Jaw	Max.Opening	G.W./N.W.
Q1985E	85	60	22/21(10PCS)
Q19100E	100	75	35/33(10PCS)
Q19120E	120	100	24/22(5PCS)
Q19150E	150	125	32/30(5PCS)

Q19A 美式钻床平口钳 Q19A American Type Drilling Machine Vices



Model	Width of Jaw	Max.Opening	G.W./N.W.
Q192-1/2A	67	70	21/19(10PCS)
Q193A	78	78	24/22(10PCS)
Q194A	100	110	33/32(10PCS)
Q195A	125	128	22/21(5PCS)
Q196A	150	150	22/21(5PCS)

铣床走刀器 Milling Machine Tool Feeders



参数名称 parameter name	参数 parameter
型号 Model:	AC-500 铣床走刀器
主电机功率 main motor power:	90W
速度范围 Speed range:	0-190
最高速度 Maximum speed:	190RPM
最大扭矩 Maximum torque:	380 磅
电源要求 Power requirements:	AC11V
适用型号 Applicable Model:	立式铣床
项目包括 Project includes:	X 轴 Y 轴 Z 轴 AL-500 主机包括安装配件

Power outlet options : European/American

SY 手板压力机 SY Arbor Presses



Model	Width of Jaw	KN	Max.Opening	G.W./N.W.
0.5T	5	500	100	30/28
1T	10	1000	125	28/26
2T	20	2000	150	21/20
3T	30	3000	200	31/30
5T	50	5000	430	176/154



Model	规格 L×W×H	件数 Pcs
PB150-1	150×10×14 (16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50)	14×2
PB150-2	150×8×14 (16, 18, 20, 24, 26, 28, 30, 32, 35, 40, 45, 50)	14×2
PB150-3	80×4×14 (16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50)	14×2
PB150-4	200×10×14 (16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40, 45, 50)	14×2

1. 硬度: HRC55 ~ 62 2. 精度: 0.01mm 3. 平行度: 0.005mm

1.Hardness: HRC55 ~ 62 2.Accuracy: 0.01mm 3.Parallelism: 0.005mm

PB151 型平行块 PB151 Parallel Blocks



Model	规格 L×W×H	件数 Pcs
PB151-1	100×4×10 (14, 18, 22, 26, 30, 34, 38, 42)	9×2
PB151-2	160×4×10 (14, 18, 22, 26, 30, 34, 38, 42)	9×2
PB151-3	150×8.5×14 (16, 20, 24, 30, 32, 36, 40, 44)	9×2
PB151-4	150×10×14 (16, 20, 24, 30, 32, 36, 40, 44)	9×2

1. 硬度: HRC55 ~ 62 2. 精度: 0.01mm 3. 平行度: 0.005mm

1.Hardness: HRC55 ~ 62 2.Accuracy: 0.01mm 3.Parallelism: 0.005mm

PB153 型平行块 PB153 Parallel Blocks



Model	规格 L×W×H	件数 Pcs
PB153-1	125×8×11 (16, 21, 26, 31, 36)	24×2
	125×10×13 (18, 23, 28, 33, 38)	
	125×12×15 (20, 25, 30, 35, 40)	
	125×14×17 (22, 27, 32, 37, 42)	
PB153-2	150×8×11 (16, 21, 26, 31, 36)	24×2
	150×10×13 (18, 23, 28, 33, 38)	
	150×12×15 (20, 25, 30, 35, 40)	
	150×14×17 (22, 27, 32, 37, 42)	

1. 硬度: HRC55 ~ 62 2. 精度: 0.01mm 3. 平行度: 0.005mm

1.Hardness: HRC55 ~ 62 2.Accuracy: 0.01mm 3.Parallelism: 0.005mm

PB154 型平行块 PB154 Parallel Blocks



Model	规格 L×W×H	件数 Pcs
PB154-1	150×8×16 (18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50)	18×2
PB154-2	150×8×17 (19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51)	18×2

1. 硬度: HRC55 ~ 62 2. 精度: 0.01mm 3. 平行度: 0.005mm

1.Hardness: HRC55 ~ 62 2.Accuracy: 0.01mm 3.Parallelism: 0.005mm

PB155 型平行块 PB155 Parallel Blocks



Model	规格 L×W×H	件数 Pcs
PB155-1	120×10×14 (16, 18, 20, 22, 24, 26, 28, 32, 35, 40)	12×2
PB155-2	150×10×14 (16, 18, 20, 22, 24, 26, 28, 30, 32, 35, 40)	12×2

1. 硬度: HRC55 ~ 62 2. 精度: 0.01mm 3. 平行度: 0.005mm

1.Hardness: HRC55 ~ 62 2.Accuracy: 0.01mm 3.Parallelism: 0.005mm



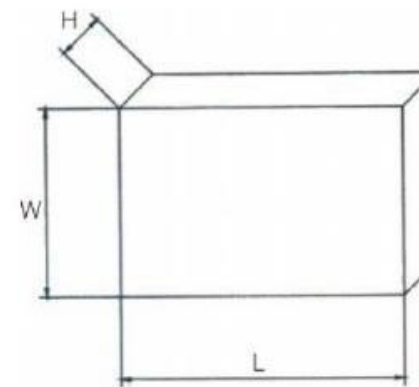
Model	规格 (长度×宽度×高度) Specifications (length×width×height)	加持范围 Blessing Range
OL182-1	1-3/8"×1-3/8"×1-3/16"	3-15
OL182-2	2-3/8"×2-3/8"×2"	8-30
OL182-3	4-1/8"×4-1/8"×3-1/16"	6-65
OL182-4	3"×4"×3"	6-65
OL182-5	35×35×30mm	3-15
OL182-6	60×60×50mm	4-30
OL182-7	100×75×75mm	6-65
OL182-8	105×105×78mm	6-65

1. 硬度: HRC52-58 2. 精度: 0.0003 英寸 3. 方度: 0.0002 英寸

1.Hardness:HRC52-58 2.Accuracy:0.0003" 3.Square:0.0002"

适用于轴类零件加工或测试时作紧固和定位用的 V 型块 Suitable for V-blocks used for fastening and positioning when machining or testing shaft parts

平行垫块系列 Parallel Blocks



精密研磨硬化 硬度: HRC55-62

Precision Ground Hardened Hardness: HRC55-62

公制垫块 Metric Blocks



Model	规格 Size(H×W×L)	垂直 Squareness	尺寸公差 Tolerance of size	孔 Hole
ZT01-13	25×50×75mm	0.005mm	±0.005mm	23 孔
ZT01-14	25×50×75mm		±0.005mm	23 孔, M10
ZT01-15	25×50×100mm		±0.005mm	23 孔
ZT01-16	50×100×150mm		±0.0125mm	23 孔

1×2×3"Blocks



Model	规格 Size(H×W×L)	垂直度 Squareness	尺寸公差 Tolerance of size	孔 Hole
ZT01-01	1×2×3"	0.0003"/1"	±0.0002"	23 孔
ZT01-02		0.0001"/1"	+0.0003"	

1×2×3"Blocks



Model	规格 Size (H×W×L)	垂直度 Squareness	尺寸公差 Tolerance of size	孔 Hole
ZT01-03	1×2×3"	0.0003"/1"	±0.0002"	无孔
ZT01-04				1 孔
ZT01-05				无孔
ZT01-06				1 孔

1×2×3"Blocks



Model	规格 Size(H×W×L)	垂直度 Squareness	尺寸公差 Tolerance of size	孔 Hole
ZT01-07	1×2×3"	0.0003"/1"	±0.0002"	11 孔
ZT01-08		0.0001"/1"	+0.0003"	

2×3×4"Blocks



Model	规格 Size(H×W×L)	垂直度 Squareness	尺寸公差 Tolerance of size	孔 Hole
ZT01-09	2×3×4"	-	±0.0003"	23 孔
ZT01-10		0.0003"/1"		

2×4×6"Blocks



Model	规格 Size(H×W×L)	垂直度 Squareness	尺寸公差 Tolerance of size	孔 Hole
ZT01-11	2×4×6"	0.0003"/1"	±0.0005"	23 孔

4×6×8"Blocks



Model	规格 Size(H×W×L)	垂直度 Squareness	尺寸公差 Tolerance of size	孔 Hole
ZT01-12	4×6×8"	-	±0.0005"	23 孔



○用途特点适用范围：圆形密极永磁吸盘适用于平面磨床、火花机、雕刻机、线切割机、研磨机、钳工划线加工，吸盘磁极间隔细密，磁力分布均匀，加工薄小工件时，效果尤为明显。
○ Features and use scope: Circular dense pole permanent magnetic chuck is on surface grinder, sparks machine, engraving machine, wire cutting machine, grinding machine, bench marking processing, magnetic sucker interval fine, uniform distribution of magnetic force, processing thin workpieces, the effect is obvious.

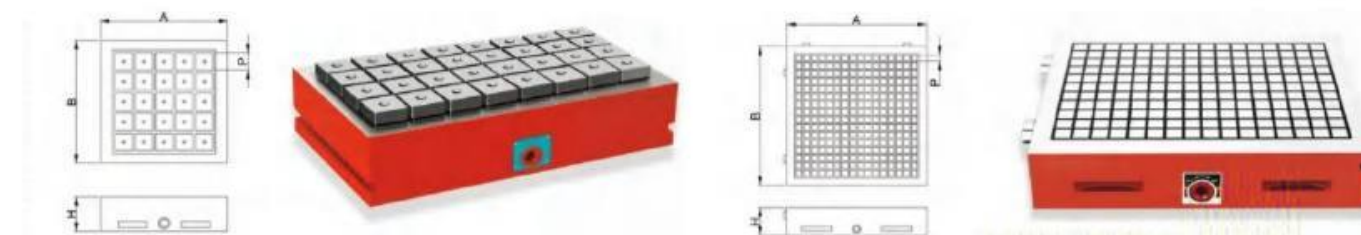
Model	Model	外形尺寸 (mm)		极距 (mm) Pole distance	吸力 (N/cm ²)
		直径 φ	高 High		
4"	XM51 100	100	55	2(0.5+1.5)	≥ 80
5"	XM51 125	125	55	2(0.5+1.5)	≥ 80
6"	XM51 150	150	55	2(0.5+1.5)	≥ 80
8"	XM51 200	200	55	2(0.5+1.5)	≥ 80
10"	XM51 250	250	60	2(0.5+1.5)	≥ 100
12"	XM51 300	300	60	2(0.5+1.5)	≥ 100
14"	XM51 350	350	60	2(0.5+1.5)	≥ 100
16"	XM51 400	400	60	2(0.5+1.5)	≥ 100

XM91 矩形永磁吸盘 XM91 Rectangular Permanent Magnetic Chucks



○用途特点适用范围：细目永磁吸盘主要在各种平面磨床、雕刻机、线切割、电火花机床上作为工件定位加工之用。
○ Scope of use: the breakdown of permanent magnetic chuck mainly in a variety of surface grinding machine, engraving machine, wire cutting, EDM as positioning the workpiece machining.

Model	Model	外形尺寸 (mm)			极距 (mm) pole distance	吸力 (N/cm ²)
		长 Long	宽 Width	高 High		
4"×7"	XM91 100×175	175	100	45	2(0.5+1.5)	≥ 100
5"×10"	XM91 125×250	250	125	45	2(0.5+1.5)	≥ 100
6"×6"	XM91 150×150	150	150	45	2(0.5+1.5)	≥ 100
6"×12"	XM91 150×300	300	150	45	2(0.5+1.5)	≥ 100
6"×14"	XM91 150×350	350	150	45	2(0.5+1.5)	≥ 100
6"×16"	XM91 150×400	400	150	45	2(0.5+1.5)	≥ 100
6"×18"	XM91 150×450	450	150	45	2(0.5+1.5)	≥ 100
8"×16"	XM91 200×400	400	200	45	2(0.5+1.5)	≥ 100
8"×18"	XM91 200×450	450	200	45	2(0.5+1.5)	≥ 100
8"×20"	XM91 200×500	500	200	45	2(0.5+1.5)	≥ 100
8"×22"	XM91 200×560	560	200	50	2(0.5+1.5)	≥ 100
10"×20"	XM91 250×500	500	250	50	2(0.5+1.5)	≥ 100
12"×20"	XM91 300×500	500	300	50	2(0.5+1.5)	≥ 100
12"×24"	XM91 300×600	600	300	50	2(0.5+1.5)	≥ 100



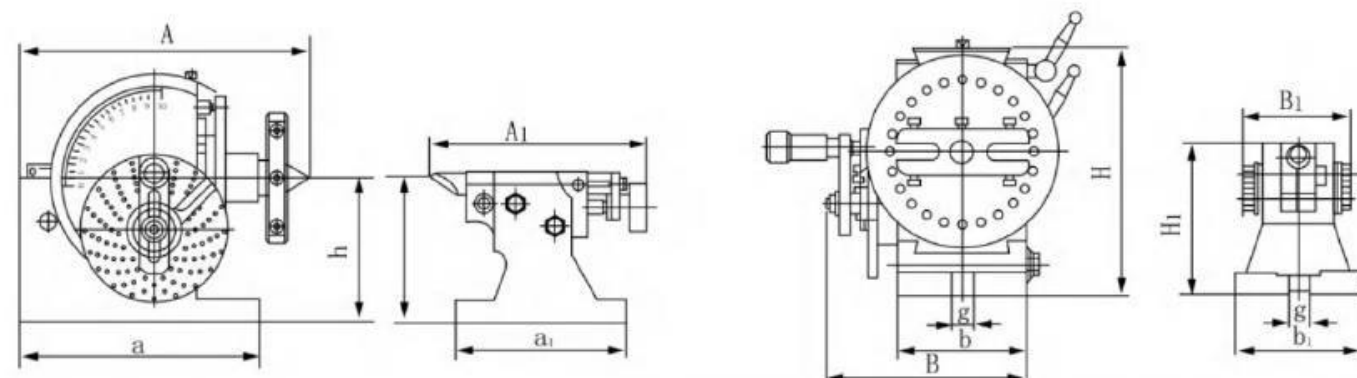
Model	长 A	宽 B	高 H	磁极 P	吸力	重量 KG
150*150	150	150	80	18*18	≥ 18KG/cm ²	14
150*300	150	300				28
150*350	150	350				32
150*400	150	400				37
200*200	200	200				25
200*300	200	300				37
200*400	200	400				50
200*500	200	500				62
250*500	250	500				78
300*300	300	300				56
300*400	300	400				75
300*500	300	500				93
300*600	300	600				112
300*800	300	800				150
300*1000	300	1000				187
400*400	400	400				100
400*500	400	500				125
400*600	400	600				150
400*800	400	800				200
400*1000	400	1000				250
500*500	500	500				156
500*600	500	600				187
500*800	500	800				250
500*1000	500	1000				312
600*600	600	600				225
600*800	600	800				300
600*1000	600	1000				374

Model	长 A	宽 B	高 H	磁极	吸力	重量 KG
300*300	300	300	100	50*50	≥ 20KG/cm ²	70
300*400	300	400				94
300*500	300	500				117
300*600	300	600				140
300*800	300	800				187
300*1000	300	1000				234
400*400	400	400				125
400*500	400	500				156
400*600	400	600				187
400*800	400	800				250
400*1000	400	1000				312
500*500	500	500				195
500*600	500	600				234
500*800	500	800				312
500*1000	500	1000				390
600*600	600	600				281
600*800	600	800				374
600*1000	600	1000				468

永磁起重器 Permanent Magnetic Lifters

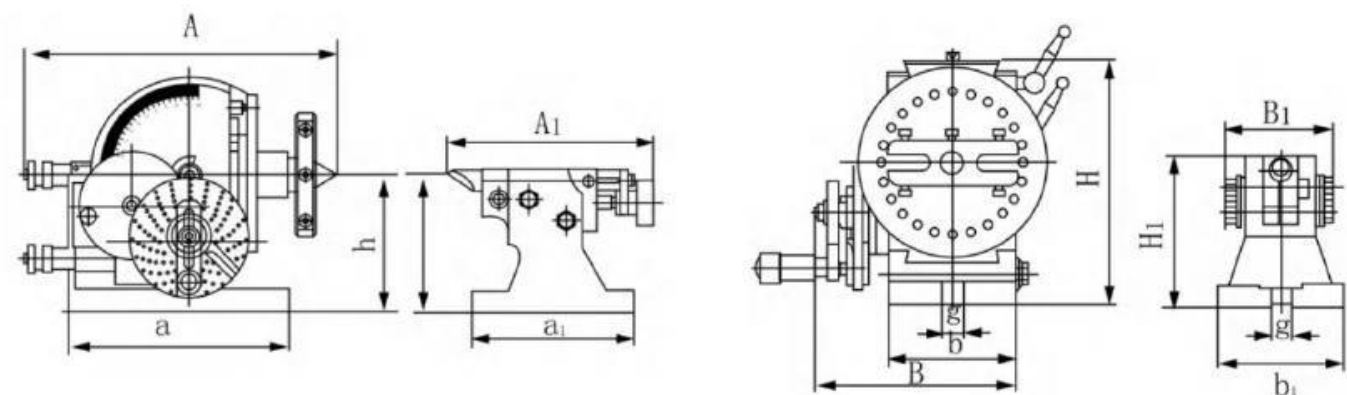


Model	A 净长 mm	B 净高 mm	C 宽 mm	D 带吊环高 mm	E 整体长 mm	R 手柄长 mm	净重 kg
100kg	97	74	62	125	125	180	2.9
200kg	125	74	62	125	156	180	3.8
400kg	162	94	87	165	198	210	9.1
600kg	215	118	108	220	250	248	19.5
800kg	235	107	129	236	288	250	24
1000kg	262	140	129	275	303	285	32.5
1500kg	336	140	130	275	378	285	41.3
2000kg	350	168	150	325	390	355	61.5
3000kg	440	170	150	325	482	355	78
5000kg	525	220	230	440	575	600	196
10000kg	820	295	232	570	870	885	422



Model	A	B	H	h	a	b	g	中心锥度 Taper of center	主轴孔直径 Diameter of Spindle hole	N.W.(kg)
BS-0	193	140	173	100	166	90	16	MT2	18	23.8
	7.59	5.51	6.81	3.93	6.53	3.54	0.63	B&S NO.7		
BS-1	242	168	220	128	206	113	16	MT3	20	35.8
	9.52	6.61	8.66	5.04	8.11	4.45	0.63	B&S NO.9		

Model	A1	B1	H1	h	a1	b1	g1
BS-0	175	87	107	100	130	92	16
	6.89	3.42	4.21	3.93	5.12	3.62	0.63
BS-1	183	87	137	128	158	110	16
	7.20	3.42	5.39	5.04	6.22	4.33	0.63



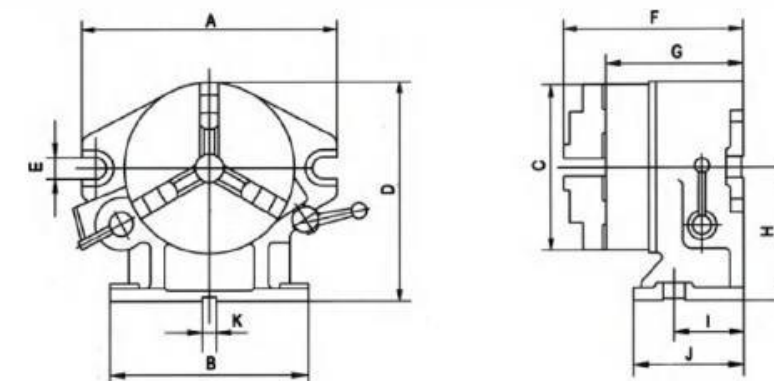
Model	A	B	H	h	a	b	g	工作孔锥度 Work hole taper	N.W.(kg)
BS-2	370	280	236	133	212	134	16	MT4	73
	14.57	11.02	9.29	5.24	8.35	5.28	0.63	B&S NO.10	
BS-2A	264	210	236	133	212	134	16	MT4	52
	10.39	8.26	9.29	5.24	8.35	5.28	0.63	B&S NO.10	

Model	A1	B1	H1	h	a1	b1	g1
BS-2	183	87	156	133	175	122	16
BS-2A	7.2	3.42	6.14	5.24	6.89	4.80	0.63



Model	Dividing plates	Number of Holes	Used of Model
DP1	A	15,16,17,18,19,20	● RT-HV4,HV8 ● RT-6
	B	21,23,27,29,21,23	
	C	37,39,41,43,47,49	
DP2	A	A1 26,30,34,38,41,44,47,51,57	● RT-HV8,HV10, HV12,HV14,HV16 ● RT-8,10,12,14 CS-6°,8°
		A2 28,32,37,39,43,46,49,53,59	
	B	B1 61,67,71,77,81,87,91,97	
		B2 63,69,73,79,83,89,93,99	

F2 立卧等分分度头 F2 Type Direct Dividing Heads



立卧等分分度头安装尺寸 Installation sketch and dimensions

Model	A	B	C	D	E	F	G	H	I	J	K
F2-8	310	255	f210	255.25	18	214	171.5	149.25	80	150	16
F2-6	260	220	f167	220	18	197.5	155.5	130	70	130	16

主要规格和参数: Main specifications

规格 Specifications	F2-8	F2-6
中心高 Center height mm	149.25	130
主轴定心直径 Center diameter of the spindle mm	φ119.774	φ80
可分等分数 Divisions	2、3、4、6、8、12、24	
主轴轴肩支承面至底面高度 (主轴直立时) Height between external centering diameter of the spindle to the base (in vertical position) mm	96	89.5
主轴轴肩直径 Locating diameter of the spindle mm	f212	f170
定位键宽度 Width of locating key mm	16	
可配卡盘 Matched chuck	K31210A	K31167
24等分单个分度误差 24 divisions individual error	25 "	
净重 Net weight Kg	52	33
毛重 Cross weight Kg	60	39

○ F2、F2-6 等分分度头是立卧式的，主轴可与机床工作台水平与垂直两种情况下使用，用途广泛。可用于铣床、磨床、钻床及刨床上，将工件分成 2、3、4、6、8、12、24 等分，也可利用主轴上的刻度环和游标进行任意分度。

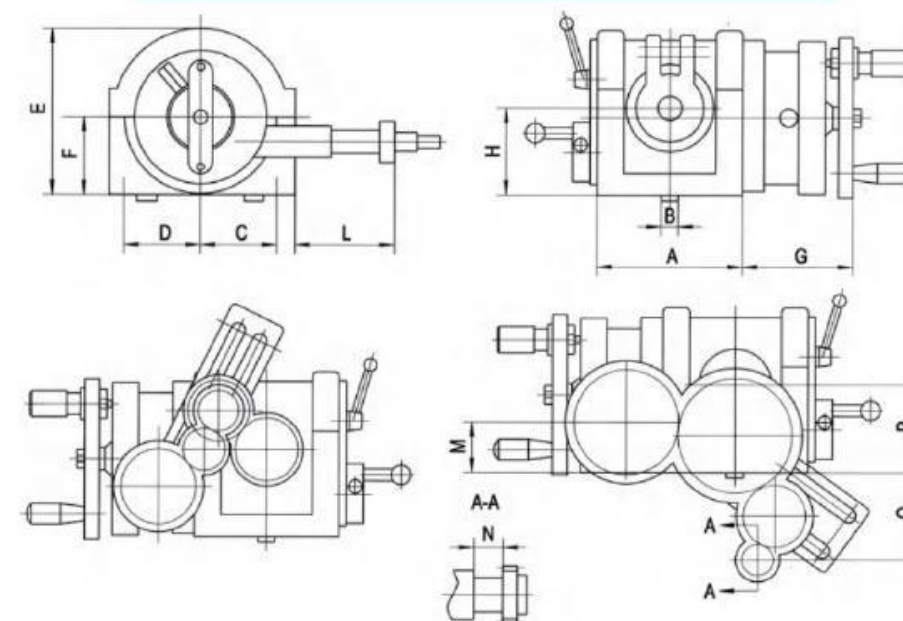
○ Type F2、F2-6 super spacer is designed for using and indexing in both horizontal and vertical position. It is the most optimum in use for milling machines, drilling machines and planer etc. The divisions in 2,3,4,6,8,12,24 are any desired angular indexing can be performed too permitted by using a graduated ring on the spindle and a vernier.



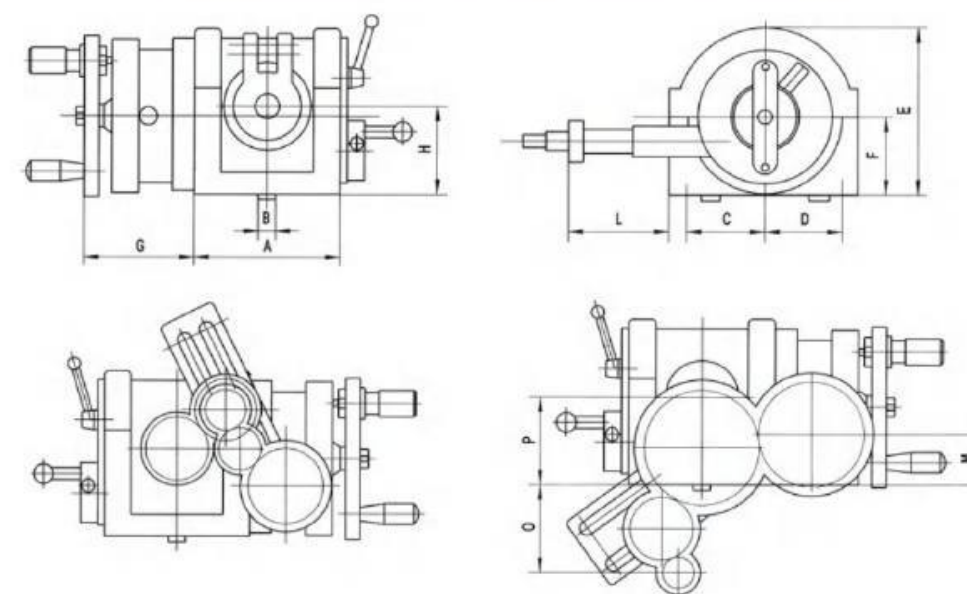
主要规格和参数 Main specifications

规格 Specifications		FW80	F11100A	F11125A	F11160A	F11200A
中心高 Centerheightmm		80	100	125	160	200
主轴由水平位置向上转动的角度		≤ 90°	≤ 95°			
Swivelangleofspindlefromit'shorizontalposition(upward)						
主轴由水平位置向下转动的角度 Horizontalposition(downward)		≤ 6°	≤ 5°			
分度手轮每转，主轴回转角度		9° (540grad./1°each)				
Rotatingangleofspindleforonecompletereolutionofdividinghandle						
游标最小示值 Min.readingofvernier		10 ″				
蜗杆副传动比 Wormgearratio		1:40				
主轴孔锥度 (莫氏)Taperofspindlebore		MS3		MS4		
定位键宽度 Widthoflocatingkey.mm		14		18		
主轴法兰盘定位短锥直径 Diameterofshorttaperofspindlenoseformountingflangemm		φ36.541	φ41.275	φ53.975	φ53.975	
分度盘孔数	第一面 1stplate	24,25,28,30,34,37,38,39,41,42,43				
Holenumbersonindexplate	第一面 2ndplate	46,47,49,51,53,54,57,58,59,62,66				
变换齿轮	模数 Module	1.5		2		
ChangeGear	齿数 Teethnumbers	25,30,35,40,50,55,60,70,80,90,100				
分度手柄 - 整转主轴单个分度误差 Individualindexingerrorofthespindleforonecompletereolutionofdividinghandle		60 ″	±45 ″			
主轴在任意 1/4 圆周上的累积误差 Cumulateerroratany1/4peripheryofspindle		±1′				
最大承载 Max.bearing Kg		80	100	130	130	130
净重 Netweight Kg		36	67	101.5	113	130
毛重 Crossweight Kg		45	79	111.5	123	140

F11 系列万能分度头安装尺寸图 Dimensional Sketch

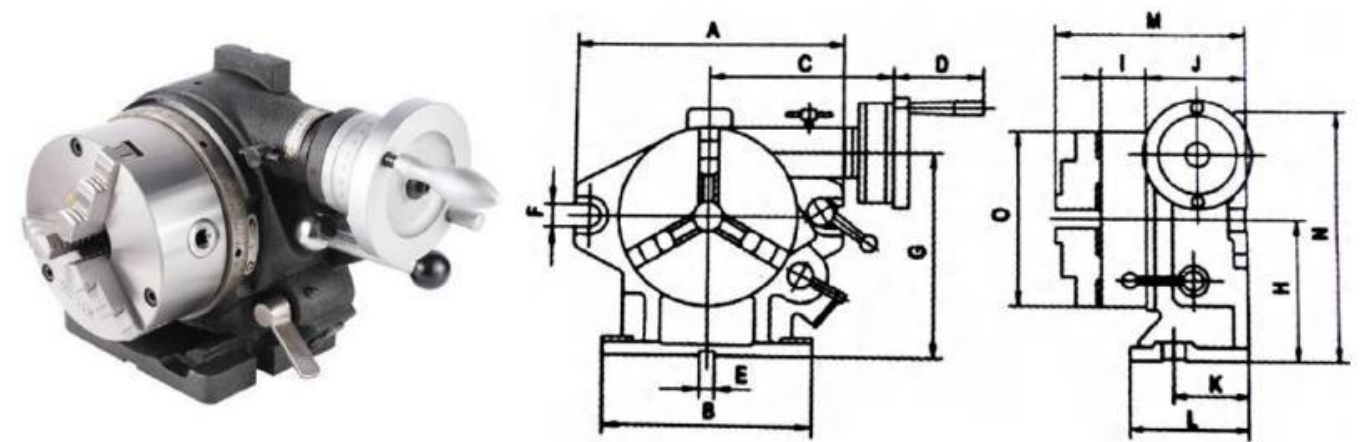


FW80 系列万能分度头安装尺寸图 Dimensional Sketch



FW80 型、F11 系列万能分度头安装尺寸 Installationsketchanddimensions

Model	A	B	C	D	E	F	G	H	L	M	N	O	P
FW80	139	14	77	73	147	77	78	80	106	43	30	60	80
F11100A	162	14	102	87	186	95	116	100	93	54.7	30	100	100
F11125A	209	18	116	98	224	117	120	125	103	68.5	34.5	100	125
F11160A	209	18	116	98	259	152	120	160	103	68.5	34.5	100	160
F11200A	209	18	116	98	299	192	120	200	103	68.5	34.5	100	200

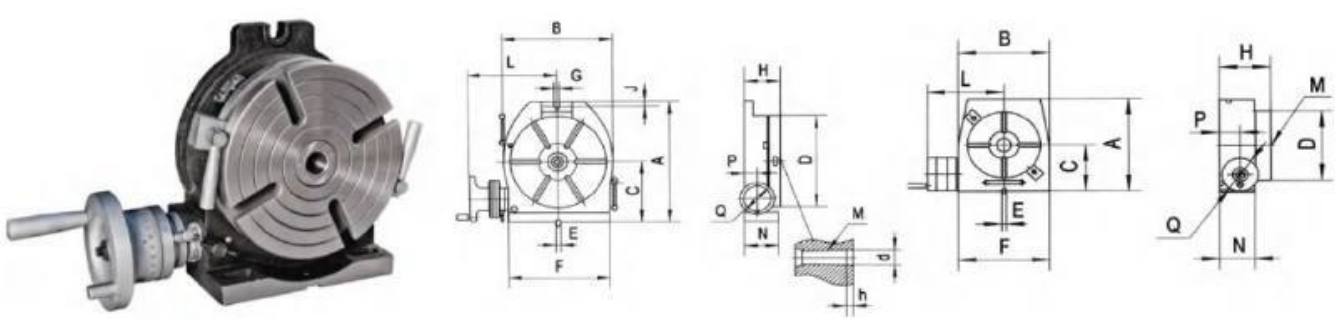


分度头安装尺寸 Installation sketch and dimensions

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
F3-8	310	255	200	78	16	18	230	150	75	126	90	155	244	285	f210
F3-6	250	220	188	78	16	18	198.75	130	66	112	80	150	220	235	f167

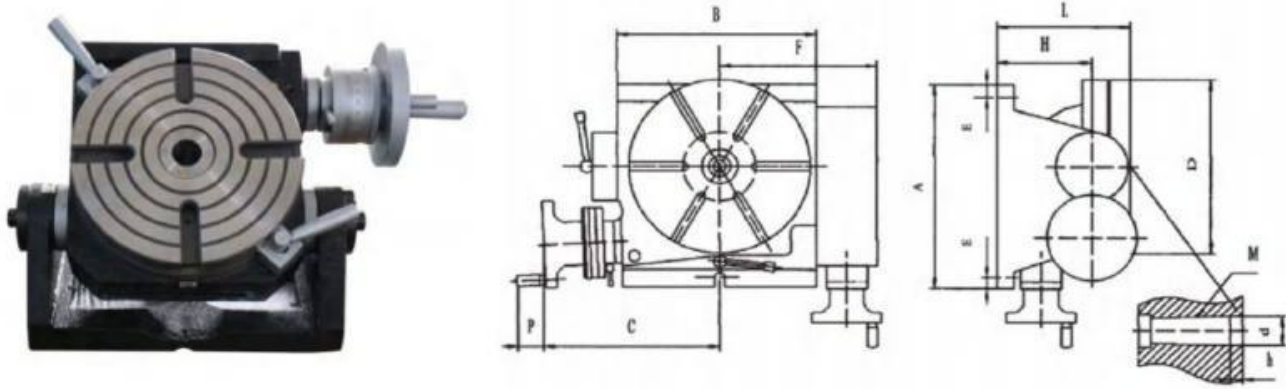
主要规格和参数：Main specifications

规格 Specifications	F3-8	F3-6
中心高 Center heightmm	150	130
主轴定心直径 Center diameter of the spindlemm	φ119.774	φ80
主轴轴肩直径 Diameter of the spindle shouldermm	φ212	φ170
可分等分数 Divisions	2、3、4、6、8、12、24	
主轴的圆周刻度 Graduated disc of spindle	360°	
蜗轮副模数 Modules of worm and worm gear	1.2	1.25
蜗轮副传动比 Transmission ratio of worm and worm gear	1:90	
蜗轮每转所代表的转台度数 Showed degree of work table per revolution of worm	4°	
游标量小示值 Minimum value of vernier	10 "	
定位键宽度 Width of locating key,mm	16	
可配卡盘 Matched chuck	K31210A	K31167
24等分单个分度误差 24 divisions individual error	25 "	
蜗轮副分度误差 Worm gear dividing error	±60 "	
净重 Net weightKg	(62)77	(40)50
毛重 Gross weightKg	(73)88	(50)60



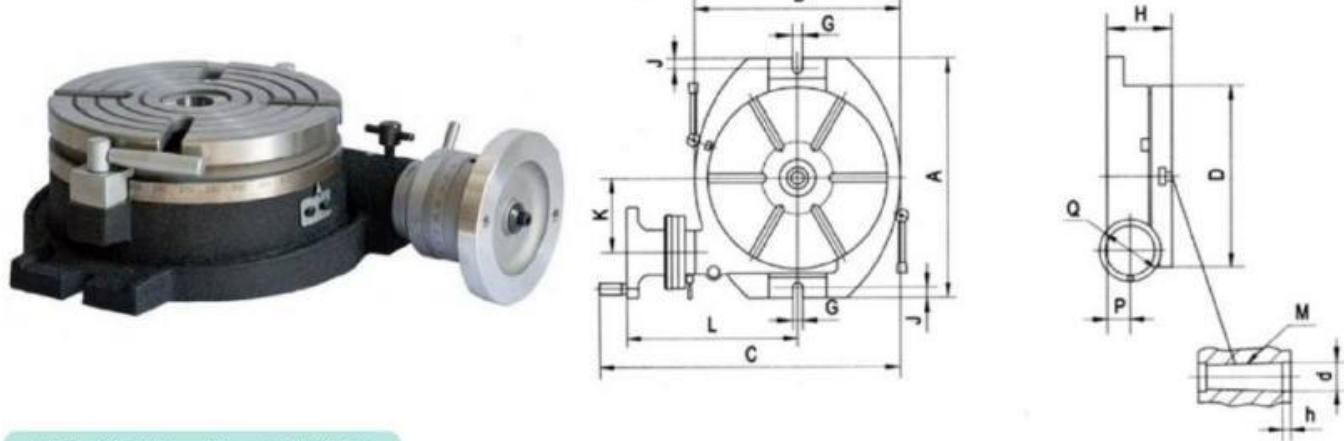
材质：HT250 Material:HT250

规格 Specifications	HV-4"	HV-6"	HV-8"	HV-10"	HV-12"	HV-16"
工作台直径 Tablediametermm	φ100	φ160	φ200	φ250	φ320	φ400
台面中心孔锥度（莫氏） Morsetaperofthecenterhole	2#		3#		4#	
台面定位孔直径	φ20X8	φ25X6	φ30X6		φ40X10	
Diameterofthecenterholemm						
工作台垂直时中心高	70	125	150	170	210	260
HeightofcenterforVerti.mountingmm						
台面 T 型槽宽度 WidthoftheT-slotmm	6	10	12		14	
台面 T 型槽相邻角度	90°			60°		
AdjacentangleoftableT-slot						
定位键宽度 Widthoflocatingkey,mm	10	12	14		18	
蜗轮副模数 Moduleofthewormgear	1	1.5	1.75	2	2.5	3.5
蜗杆副传动比	1: 72	1: 90				
Transmissionratioofthewormgear						
工作台圆周刻度 Graduationofthetable	360°					
转台手轮刻度值	2'	1'				
Readoutofthehandwheel						
游标量小示值	10 "					
Minimumreadingofthevernier						
分度精度 Indexingaccuracy	120 "	80 "	60 "			
最大承载（卧式）	150	100	150	200	250	300
Max.bearing(withtableHor.)kg						
最大承载（立式）	75	50	75	100	125	175
Max.bearing(withtableVert.)kg						
净重 NetweightKg	7	15	30	45	73	95
毛重 GrossweightKg	11.5	23	31.5	46	77	150



材质: HT250 Material:HT250

规格 Specifications	TSK3	TSK4	TSK5	TSK6	TSK8
工作台面直径 Diameter of table mm	φ75	φ110	φ127	φ150	φ200
台面中心孔锥度 (莫氏) Morse taper of the center hole	/	2#	2#	2#	3#
台面 T 型槽宽度 Width of the T-slot mm	8	12	12	14	14
蜗轮副模数 Module of the worm gear	1	1	1	1	1.5
定位键宽度 Width of locating key mm	16	16	16	16	16
台面 T 型槽相邻角度 Adjacent angle of table T-slot	90°	120°	120°	90°	90°
蜗杆副传动比 Transmission ratio of the worm gear	1:36	1:72	1:72	1:90	1:90
工作台圆周刻度 Graduation of the table	360°	360°	360°	360°	360°
工作台可倾角度 Tilting angle	0-90°	0-90°	0-90°	0-90°	0-90°
转台手轮刻度值 Readout of the hand wheel	1°	1°	1°	1°	1°
游标最小示值 Minimum value of vernier	10°	10°	10	10°	10°
可倾游标最小示值 Minimum reading of the tilting vernier	1°	1°	1°	1°	1°
分度精度 Indexing accuracy	80°	60°	60°	60°	60°
净重 Net weight Kg	7	15	16	19	38
毛重 Gross weight Kg	7.5	17	18	21	41
箱体尺寸 Overall dimensions mm	220×140×140	320×200×190	320×200×190	340×250×185	400×300×240



材质: HT250 Material:HT250

规格 Specifications	TS160A	TS200A	TS250A	TS320A	TS400A	TS500A	TS630A	TS800A	TS1000A
工作台直径 Table diameter mm	f160	f200	f250	f320	f400	f500	f630	f800	f1000
台面中心孔锥度 (莫氏) Morse taper of the center hole	2#	3#	4#	5#	6#				
台面 T 型槽宽度 Width of the T-slot mm	10	12	14	18	22				
台面 T 型槽相邻角度 Adjacent angle of table T-slot	90°	60°	45°						
定位键宽度 Width of locating key mm	12	14	18	-	-	-	-		
蜗轮副传动比 Transmission ratio of the worm gear	1 : 90	1 : 120							
工作台圆周刻度 Graduation of the table	360°								
蜗轮每转所代表的转台度数 Rotating angle of table with one revolution of the worm	4° (1° per graduation)	3° (1° per graduation)							
游标量小示值 Minimum value of vernier	10 "								
分度精度 Indexing accuracy	80 "	60 "							
工作台最大承载 Max. workload kg	100	150	200	250	300	550	700	1250	2000
毛重 Gross weight Kg	21.5	31	44.5	76	145	238	377	855	1400
可配卡盘 Matched Chuck	K11125	K11160	K11200	K11250	K11325	K11400	K11500A	K11630A	



○ Z13 型为便携式磨刀机, 无需技术即可研磨 2 刃、3 刃、4 刃铣刀, 可用钨棒直接开端面刃口。选配夹具组可研磨 5 刃端铣刀。
○ 通过调节升降按钮, 可以控制铣刀排屑槽的宽度与深度, 更好的应对不同材质的加工需求。
○ 独有结构, 可修磨出铣刀轴向楔角, 增加端面切削刃的锋利程度, 减小切削阻力。

○ Model Z13 is a portable knife sharpener that can grind 2-blade, 3-blade and 4-blade milling cutters without technology. Optional fixture group can grind 5-blade end mill.
○ By adjusting the lifting button wheel, the width and depth of the flute can be controlled to better meet the processing needs of different materials.
○ The unique structure can grind the axial wedge angle of the milling cutter, increase the sharpness of the cutting edge of the end face, and reduce the cutting resistance.

相同功能, 多种规格 Same function, multiple specifications



X3A



X5



X11

Model	X3	X3A	X5	X11
研磨范围 Grinding range	φ4-φ14	φ4-φ20	φ12-φ30	φ6-φ30
电源 Power	AC, 220V±10%	AC, 220V±10%	AC, 220V±10%	AC, 220V±10%
电机参数 Motor	180W/ 4800RPM	220W/ 4800RPM	250W/ 4400RPM	250W/ 4400RPM
包装尺寸 Dimension	35x23x24CM	35x23x24CM	40x28x31CM	50x29x30
重量 Weight	15KG	16KG	28KG	33KG

○ 注: 标配筒夹 X3 型 6 个; X3A 型 9 个; X5 型 10 个; X11 型 13 个。4mm 以下不易定位。

○ Note: Standard collet X3 Type: 6 pieces; X3A type: 9 pieces; X5 type: 10 pieces; X11 type: 13 pieces. It is not easy to align below 4MM

钻头研磨机 Drill Grinding Machines



便携式 Portable

○ 注: 标配筒夹 Z13/D 型 11 个; Z20 型 18 个; Z26 型 13 个; Z32 型 30 个。3mm 以下不易定位。

○ Note: Standard collet Z13 / D type: 11 pieces; Z20 type: 18 pieces; Z26 type: 13 pieces; Z32 type: 30 pieces. It is not easy to align below 3MM.

○ 本机为便携式, 配备台湾制造之钻石砂轮, 精确耐用。
○ 能刃磨钻头先端角 (顶角), 前切削刃 (正前角), 排屑槽 (后角), 中心横刃大小随意调整, 可替代中心钻定位更精确。
○ Z32 型为复合型钻头研磨机 (左右双头研磨工作)。

○ This machine is portable, accurate and durable, equipped with diamond grinding wheel made in Taiwan.
○ It can sharpen the tip angle (apex angle), front cutting edge (positive rake angle), chip flute (rear angle), and the size of the center transverse blade can be adjusted at will easier.
○ Z32 is a compound drill grinding machine (left and right double-head grinding work).

Model	Z13/Z13D	Z20	Z26	Z32
研磨范围 Grinding range	φ3-φ13(φ14)	φ3-φ20	φ13-φ26(φ32)	φ3-φ32
先端角 Point angle	90°-140°	95°-140°	95°-140°	95°-140° / 95°-140°
电源 Power	AC, 220V±10%	AC, 220V±10%	AC, 220V±10%	AC, 220V±10%
电机参数 Motor	120W/ 4800RPM	180W/ 4800RPM	250W/ 4400RPM	250W/ 4400RPM
包装尺寸 Dimension	36x21x19cm	43x22x21cm	43x23x21cm	42x27x34cm
重量 Weight	9KG	14KG	25KG	29KG



○ 万能磨刀机是电脑雕刻刀和刻磨机床必备设备。
○ U3 万能磨刀机并有刃磨钻头、车刀、球头立铣刀的功能和装置, 夹持最大直径可达中 16

○ Universal cutter sharpener is a necessary equipment for computer engraving cutter and engraving milling machine.
○ U3 universal cutter sharpener also has the functions and devices for sharpening drills, turning tools, and ball end mills. The maximum clamping diameter can reach 16.

Model	U3
夹头直径 Collet diameter	φ3 - φ16
马达 Motor	220V/380V 1/3Hp 50Hz
转速 Power	5300RPM
砂轮 Grinding wheel	φ100x50xφ20
外形尺寸 Dimension	550x450x470mm
重量 Weight	46KGs/48KGs

○ 注: 出厂配备夹头 6mm (或 1/4") 一种 ○ Note: The factory is equipped with 6mm collet (or 1/4")

Standard configuration



1. Lathe tool grinding accessories



2. Milling cutter grinding accessories



3. Drill bit grinding accessories

U2 万能磨刀机 Universal Cutter Grinders



○ 万能磨刀机是 CNC 等加工设备的配套设备
○ 可用于刃磨尖刀, 雕刻刀、铣刀、钻头、车刀等多种刀具
○ 搭配 5C 刀头可夹持直径 3-28mm 的工件, 使用方便灵活
○ 黄色 / 绿色 两种颜色可选可定制其他颜色

○ Universal cutter grinder is a supporting equipment for CNC and other processing equipment.
○ It can be used for sharpening sharp cutter, engraving cutter, straight shank milling cutter, drills, turning cutter and other tools.
○ With the 5C collet, it can hold workpieces with a diameter of 3-28mm, which is convenient and flexible to use.
○ Yellow/green two colors available. Other colors can be customized.

Model	U2
Max. clamping diameter 弹簧夹头夹持直径范围	φ3-φ16mm
Spindle Speed 主轴转速	3600RPM
Longitudinal travel of tool holder 刀架纵向移动行程	140mm
Longitudinal travel adjustment of tool holder 刀架纵向微调行程	18mm
Longitudinal travel of spindle and grinding wheel 主轴砂轮移动行程	8mm
Taper angle range 磨削锥角范围	0°-180°
Negative taper angle range 磨削负锥角范围	0°-10°
Relief angle range 磨削后角范围	0°-25°
Voltage/Power 电压 / 功率	220/380V 50/60Hz/0.37Kw
Motor speed 电动机转速	2810mm/min
Wheel size 砂轮尺寸	φ100*(50/35)*20mm
Gross weight 毛重	52Kg
Packing dimensions L×W×H(mm) 包装箱尺寸	555x450x430mm

○ 注: 标配筒夹 X3 型 6 个; X3A 型 9 个; X5 型 10 个; X11 型 13 个。4mm 以下不易定位。

○ Note: Standard collet X3 Type: 6 pieces; X3A type: 9 pieces; X5 type: 10 pieces; X11 type: 13 pieces. It is not easy to align below 4MM



ZD20 Standard Model



ZD20PLUS Water-Cooled Model

立铣刀圆角半径立铣刀 直径范围刀槽选项 End Mill Corner Radius End Mill Diameter Range flutes Options	4-20mm 2/3/4 Flutes	4-20mm 2/3/4 Flutes
钻头直径范围角度选项 Drill Bit Diameter Range Angle Options	4-20mm 120°,140Optional	4-20mm 120°,140Optional
球鼻直径范围 Ball Nose Diameter Range	R2、R3、R4、R5、R6	R2、R3、R4、R5、R6
额定刀具长度 Rated Tool Length	≥ 60mm Hollow Core Holder	≥ 60mm Hollow Core Holder
兼容材料 Compatible Materials	Tungsten steel Carbide HSS	Tungsten steel Carbide,HSS
标准型砂轮 Grinding wheel Standard	Brazed SDC 2 pieces	Electroplated SDC 2 pieces
整体尺寸 (长×宽×高) Overall Dimensions (L×W×H)	635mm*570mm*800mm	900mm*600mm*920mm
净重 Net Weight	85.5 kg	154.5kg

可选类型: 电镀 SDC/CBN Optional type: Electroplated SDC/CBN



45°斜角
45° Bevel Angle



平轮
Flat Wheel

Power: 2.5KW Wheel Speed: 2500RPM
Grinding wheel: 124x10x32mm Sharpening Speed: 1-5 min/piece
Wheel Lifespan: 1,500-2,000 pieces (for 6mm end mills)

可选配置: 机柜 Optional Configuration: Cabinet



900mm*600mm*600mm
(L×W×H)



设备型号 Model	M16E	M30E	M36E
设备类型 Type	伺服电动攻丝机 Electric threading machine	伺服电动攻丝机 Electric threading machine	伺服电动攻丝机 Electric threading machine
输入电压 Voltage	220V50Hz	220V50Hz	220V50Hz
额定功率 Power	600W	1200W	600W
攻丝范围 Tapping range	M3-M16	M6-M30	M6-M36
接头规格 Connector	GT12-T14	GT24-T20	GT12-T14
标配夹头 Collets	M3-M16	M6-M24	M6-M36
夹头数量 Quantity	8	8	11
工作方式 Operation mode	垂直、垂直水平两用 Vertical, vertical and horizontal*	垂直、垂直水平两用 Vertical, vertical and horizontal*	垂直、垂直水平两用 Vertical, vertical and horizontal*
工作半径 Working radius	1045mm、1545mm*	1180mm、1735mm*	1180mm、1735mm*
最小半径 Minimum radius	330mm	370mm	370mm
最大转速 Maximum speed	375rpm	200rpm	125rpm
非标定制 Customized	可定制 Customizable	可定制 Customizable	可定制 Customizable
设备重量 Weight	30KG	53KG	56KG

在图表或说明上提到的标注 * 号功能、组件及附件，并不包含在标准配置当中

如有需要，请另行选配。下同不再另行注明

The functions, components and accessories marked with * in the diagrams or instructions are not included in the standard configuration. If necessary, please select them separately.



Model	CNS-06			
规格 Specification	W564×D572×H860(挂板)			
刀具型号 Tool model	BT30	BT40	BT50	HSK63
数量 Quantity	22	18	16	18



Model	CNS-09		
规格 Specification	W850×D450×H800		
刀具型号 Tool model	BT30	BT40	BT50
数量 Quantity	45	35	25



Model	CNS-11		
规格 Specification	W810×D500×H920		
刀具型号 Tool model	BT30	BT40	BT50
数量 Quantity	56	48	40



Model	CNS90		
规格 Specification	W900×D475×H800		
刀具型号 Tool model	BT30	BT40	BT50
数量 Quantity	45	35	25



Model	CNS9811		
规格 Specification	W720×D420×H980+250		
刀具型号 Tool model	BT30	BT40	BT50
数量 Quantity	31	31	24



Model	CNS-07				
规格 Specification	1000W×650D×1500H				
刀具型号 Tool model	BT30	BT40	BT50	HSK63	HSK100
数量 Quantity	40	35	30	35	30



Model	CNS-08		
规格 Specification	870W×500D×1450H		
刀具型号 Tool model	BT-30	BT-40	BT-50
可装刀具总数 Total number of tools that can be installed	77	63	49

标准刀具座 / 刀套 Standard Tool Holders



BT 系列

HSK 系列

Model	Model	规格 Specification(mm)	配置 Configuration	参数描述 Parameter Description
BT30 刀座	NB30	645L×140W×165H	可存放 6 把 BT30 型刀柄 Can store 6pcs BT30 tool Holders	每只刀座 配 2 只垫脚 Each holder is equipped with 2 feet
BT40 刀座	NB40		可存放 5 把 BT40 型刀柄 Can store 5pcs BT40 tool Holders	
BT50 刀座	NB50		可存放 4 把 BT50 型刀柄 Can store 4pcs BT50 tool Holders	
Model	Model	规格 Specification(mm)	配置 Configuration	参数描述
HSK63 刀座	NH63	645L×140W×165H	可存放 6 把 HSK63 型刀柄 Can store 6pcs HSK63 tool Holders	每只刀座 配 2 只垫脚 Each holder is equipped with 2 feet
HSK100 刀座	NH100		可存放 4 把 HSK100 型刀柄 Can store 4pcs HSK100 tool Holders	



Model	CNS-01				
规格 Specification	W1100×D600×H880				
刀具型号 Tool model	BT30	BT40	BT50	HSK63	HSK100
数量 Quantity	30	25	20	25	20



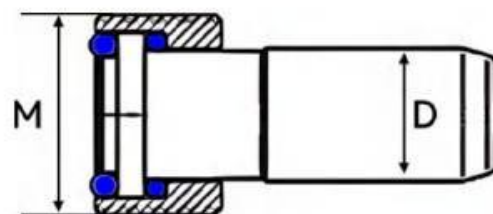
Model	CNS-02				
规格 Specification	W1100×D600×H880				
刀具型号 Tool model	BT30	BT40	BT50	HSK63	HSK100
数量 Quantity	30	25	20	25	20



Model	CNS-03				
规格 Specification	W717×D572×H880				
刀具型号 Tool model	BT30	BT40	BT50	HSK63	HSK100
数量 Quantity	24	24	20	24	20

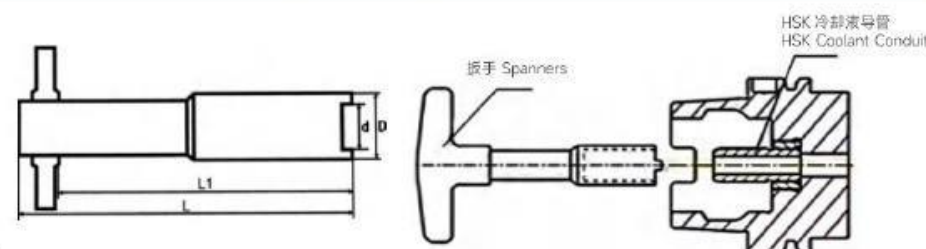


Model	CNS-05			
规格 Specification	W564×D572×H985			
刀具型号 Tool model	BT30	BT40	BT50	HSK63
数量 Quantity	43	43	26	43



Model	M	D
HSK32A	M10×1.0	6
HSK40A	M12×1.0	8
HSK40E	M12×1.0	8
HSK50A	M16×1.0	10
HSK50E	M16×1.0	10
HSK63A	M18×1.0	12
HSK63F	M18×1.0	12
HSK80A	M20×1.5	14
HSK100A	M24×1.5	16

HSK 冷却液导管扳手 HSK Coolant Hose Spanners



Model	L	L1	D	d
HSK50A	101	85	14.5	10.5
HSK63A	104	86	16.5	12.5
HSK80A	105	89	18	14.5
HSK100A	119	110	22	16.5

BT/HSK 主轴清洁棒 BT/HSK Spindle Cleaning Sticks



Model
BT30
BT40
BT50
HSK63A
HSK100A

镀锌磁座 (银色) Galvanized magnetic base (silver)



1/2 4"

3/8 3"

1/4 2" 单出水双出水三出水
1/4 2" single water outlet double water outlet three water outlet

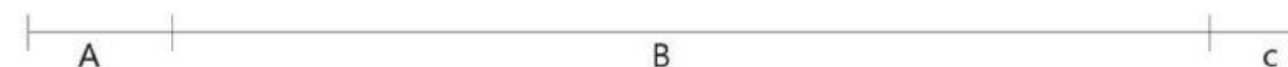


细圆嘴
Thin round nozzle

粗圆嘴
Thick round nozzle

扁嘴
Flat nozzle

塑料冷却水管组合长度计算方法 Calculation method for combined length of plastic cooling water pipes



喷嘴长度 Nozzle length (A)	+	管节长度 Pipe section length (B)	+	牙长 long thread (C)	=	全长 full length
35mm	+	15mm * 颗粒数 (Number of particles)	+	22mm	=	全长 full length

1/4" 塑料冷却水管配件组配表 (可根据要求任意长度管件组装)

1/4" plastic cooling water pipe accessories assembly table (Can be assembled with any length of pipe fittings as required)



1/4 调节阀
1/4 regulating valve



1/4 小口径圆形喷嘴
出水口内直径: 4mm
喷嘴高度: 35mm
1/4 small diameter round nozzle
Inner diameter of water outlet: 4mm
Nozzle height: 35mm



1/4 大口径圆形喷嘴
出水口宽度: 28mm
喷嘴高度: 29mm
1/4 large diameter round nozzle
Outlet width: 28mm
Nozzle height: 29mm

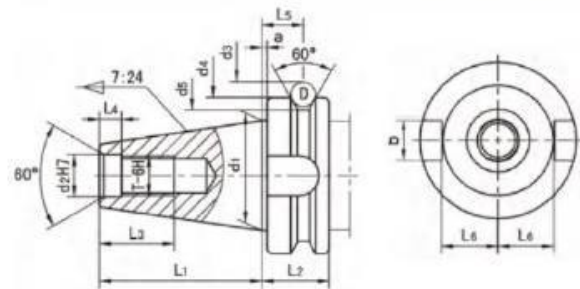


1/4 螺纹接头
高度: 22mm
螺纹规格: 1/4 2 分
螺纹直径: 约 13mm
1/4 thread connector
Height: 22mm
Thread specification: 1/4 2 "
Thread diameter: about 13mm



1/4 大口径圆形喷嘴
出水口内直径: 7mm
喷嘴高度: 35mm
1/4 large diameter round nozzle
Inner diameter of water outlet: 7mm
Nozzle height: 35mm

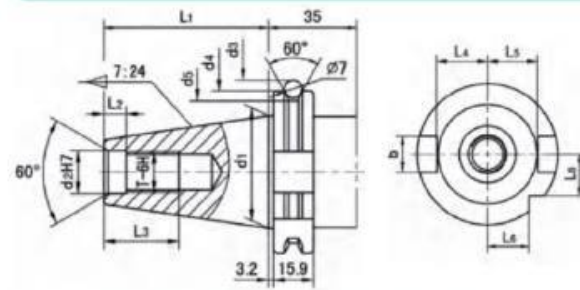
MAS403BT



Model	L1	L2	L3	L4	L5	L6	d1	d2
BT30	48.4	22	24	7	13.6	16.3	31.75	12.5
BT40	65.4	27	30	9	16.6	22.6	44.45	17
BT50	101.8	38	45	13	23.2	35.4	69.85	25

Model	d3	d4	d5	D	a	b	T
BT30	56.144	46	38	8	2	16.1	M12
BT40	75.679	63	53	10	2	16.1	M16
BT50	119.02	100	85	15	3	25.7	M24

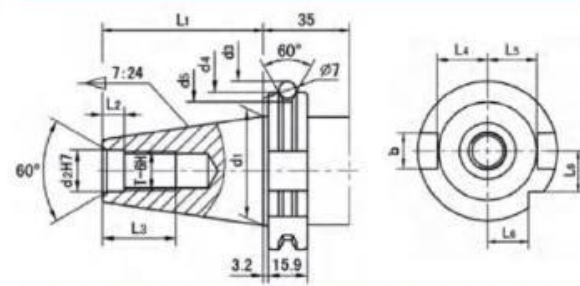
DIN 69871



Model	L1	L2	L3	L4	L5	L6	d1
SK30	47.8	5.5	24	16.4	19	15	31.75
SK40	68.4	8.2	32	22.8	25	18.5	44.45
SK50	101.8	11.5	47	35.5	37.7	30	69.85

Model	d2	d3	d4	d5	b	T
SK30	13	59.3	50	44.3	16.1	M12
SK40	17	72.3	63.66	56.25	16.1	M16
SK50	25	107.25	97.5	91.25	25.7	M24

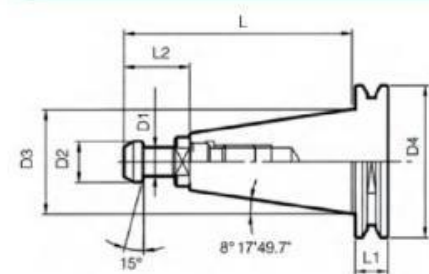
ANSI B5.50 CAT



Model	L1	L2	L3	L4	L5	d1
CAT30	1.875	0.188	1.00	0.664	0.735	1.25
CAT40	2.687	0.188	1.12	0.89	0.985	1.75
CAT50	4.000	0.250	1.75	1.39	1.485	2.75

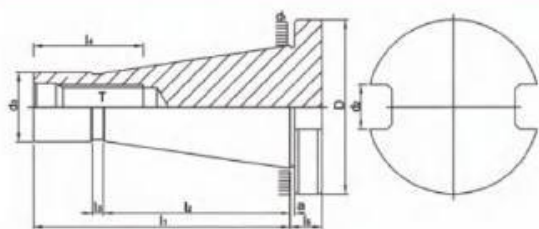
Model	d2	d3	d4	d5	b	T
CAT30	0.516	2.176	1.812	1.531	0.645	1/2"-13
CAT40	0.641	2.863	2.500	2.219	0.645	5/8"-11
CAT50	1.031	4.238	3.875	3.594	1.020	1"-8

ISO



Model	D1	D2	D3	D4	L1	L2	L3
ISO20	6	9	22.225	33	8	12	45.3
ISO25	7	10	25.4	37	8	16	55.7
ISO30	9	13	31.75	50	15.9	24	71.8

DIN2080 NT



国际标准 ISO 等效于德国 DIN2080 NT 标准
中国 XT/GB3837:30, 40 等效于 NT 标准
ISO is Equivalent to DIN2080 NT
XT/GB3837:30 is Equivalent to NT

Model	D	d1	d2	d3	a	I1	I2	I3	I4	I5	T
NT30	49	31.75	16.1	17.05	1.6	68.4	48.4	3	24	8	1/2"-12W,M12x1.75p,1/2"-13UNC
NT40	63	44.45	16.1	24.92	1.6	93.4	65.4	5	32	10	5/8"-11W,M16x2.0P
NT50	97.5	69.85	25.7	39.19	3.2	126.8	101.8	8	47	12	1"-8W,M24x3.0p



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