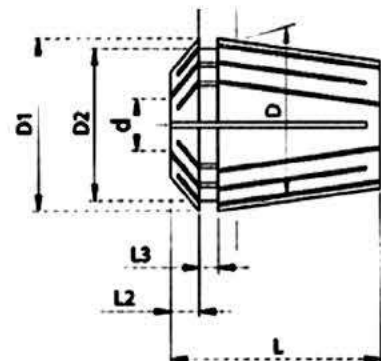


Tooling System									
	Page.1	Page.3	Page.4	Page.4	Page.5	Page.6	Page.7	Page.7	Page.8
									
	Page.8	Page.9	Page.9	Page.9	Page.9	Page.10	Page.11	Page.12	Page.13
									
	Page.14	Page.14	Page.15	Page.15	Page.15	Page.16	Page.17	Page.18	Page.19
									
	Page.19	Page.20	Page.21	Page.21	Page.22	Page.22	Page.23	Page.23	Page.24
									
	Page.25	Page.25	Page.26	Page.26	Page.27	Page.28	Page.28	Page.29	Page.30
									
	Page.32	Page.32	Page.33	Page.34	Page.34	Page.35	Page.35	Page.36	Page.36
									
	Page.37	Page.38	Page.38	Page.38	Page.39	Page.39	Page.40	Page.41	Page.41
									
	Page.42	Page.42	Page.43	Page.43	Page.44	Page.44	Page.44	Page.44	Page.45
									
	Page.46	Page.47	Page.49	Page.50	Page.50	Page.50	Page.51	Page.51	Page.52
									
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Page.58	Page.59	Page.59	Page.59	Page.59	Page.60	Page.60	Page.60	Page.61	Page.62
									
Page.62	Page.63	Page.63	Page.64	Page.64	Page.64	Page.65	Page.65	Page.66	Page.66
									
Page.67	Page.68	Page.68	Page.68	Page.69	Page.69	Page.69	Page.70	Page.70	Page.70
									
Page.71	Page.71	Page.71	Page.72	Page.72	Page.72	Page.73	Page.73	Page.73	Page.73
Wood Machine Parts									
	Page.74	Page.74	Page.74	Page.74	Page.74	Page.75	Page.75	Page.75	Page.76
									
Page.76	Page.76	Page.77	Page.77	Page.77	Page.78	Page.78	Machine Accessories		
	Page.76	Page.77	Page.77	Page.77	Page.78	Page.78		Page.79	Page.80
									
Page.81	Page.81	Page.82	Page.82	Page.82	Page.83	Page.83	Page.83	Page.84	Page.84
									
Page.81	Page.85	Page.86	Page.87	Page.88	Page.89	Page.89	Page.89	Page.89	Page.90
									
Page.90	Page.93	Page.94	Page.94	Page.95	Page.96	Page.96	Page.97	Page.98	Page.98
									
Page.98	Page.99	Page.101	Page.101	Page.102	Page.103	Page.103	Page.104	Page.105	Page.106
									
Page.107	Page.108	Page.108	Page.108	Page.109	Page.109	Page.110	Page.110	Page.111	Page.111

ER筒夹 ER Collets



Material: 65Mn
Hardness: HRC44-48

Run out
I ≤ 0.005mm
II ≤ 0.008mm
III ≤ 0.015mm

型号 Model	dH7	D	D1	D2	L	L1	L2	L3	弹性收缩量 Collapsible capacity
ER8	1.0-5.0	8	8.5	6.5	13.5	2.7	1.5	1.5	0.5
ER11	1.0-7.0	11	11.5	9.5	18.0	3.8	2.5	2.0	0.5
ER16	1.0-2.5	16	17	13.8	27.5	6.26	4.0	2.7	0.5
	2.5-10.0	16	17	13.8	27.5	6.26	4.0	2.7	1.0
ER20	1.0-2.5	20	21	17.4	31.5	6.36	4.8	2.8	0.5
	2.5-13.0	20	21	17.4	31.5	6.36	4.8	2.8	1.0
ER25	1.0-2.5	25	26	22.0	34.0	6.66	5.0	3.1	0.5
	2.5-16.0	25	26	22.0	34.0	6.66	5.0	3.1	1.0
ER32	2.0-2.5	32	33	29.2	40.0	7.16	5.5	3.6	0.5
	2.5-20.0	32	33	29.2	40.0	7.16	5.5	3.6	1.0
ER40	3.0-26.0	40	41	36.2	46.0	7.66	7.0	4.1	1.0
ER50	6.0-10.0	50	52	46.0	60.0	12.6	8.5	5.5	1.0
	10.0-34.0	50	52	46.0	60.0	12.6	8.5	5.5	2.0



型号 Model	规格 Types	
	公制 metric	英制 inch
ER8	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5	1/32, 3/64, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16
ER11	1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7	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, 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	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
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	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	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	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, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 12, 14, 15, 16, 17, 18, 19, 20	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, 23/32
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	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	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	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

ALL above sizes of various holes below 3mm are special ones with high costs. 内径3mm以下非常规成本

ER套装 ER Collets Sets

ER8	9PCS	1-5mm(1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5mm)
ER11	5PCS	3-7mm(3;4;5;6;7mm) if 7PCS, includes 1&2mm
ER16	8PCS	3-10mm(3;4;5;6;7;8;9;10mm)
ER20	6PCS	3-13mm(3;4;6;8;10;13mm)
	11PCS	3-13mm(3;4;5;6;7;8;9;10;11;12;13mm)
ER25	7PCS	4-16mm(4;6;8;10;12;14;16mm)
	15PCS	2-16mm(2;3;4;5;6;7;8;9;10;11;12;13;14;15;16mm)
ER32	6PCS	6-20mm(6;8;10;12;16;20mm)
	11PCS	4-20mm(4;5;6;8;10;12;14;15;16;18;20mm)
	18PCS	3-20mm(3;4;5;6;7;8;9;10;11;12;13;14;15;16;17;18;19;20mm)
ER40	7PCS	6-25mm(6;8;10;12;16;20;25mm)
	15PCS	4-26mm(4;5;6;8;10;12;14;1;16;18;20;22;24;25;26,,)
	23PCS	4-26mm(4;5;6;7;8;9;10;11;12;13;14;15;16;17;18;19;20;21;22;23;24;25;26mm)
ER50	12PCS	10-34mm(10;12;14;16;18;20;22;24;26;28;30;32;34mm)

ER 夹持范围 The Clamping Capacity of ER Collets

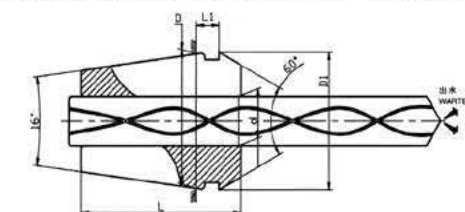
ER8 (1-5mm)	ER11 (1-7mm)	ER16 (1-10mm)	ER20 (1-13mm)	ER25 (1-16mm)	ER32 (1-20mm)	ER40 (3-26mm)	ER50 (10-32mm)
1.0-0.5	1.0-0.5	1.0-0.5	1.0-0.5	1.0-0.5	1.0-0.5	3-2	12-10
1.5-1.0	1.5-1.0	1.5-1.0	1.5-1.0	1.5-1.0	1.5-1.0	4-3	14-12
2.0-1.5	2.0-1.5	2.0-1.5	2.0-1.5	2.0-1.5	2.0-1.5	5-4	16-14
2.5-2.0	2.5-2.0	2.5-2.0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



ER/C 止水筒夹(内冷式) ER/C Collet(oil hole type)

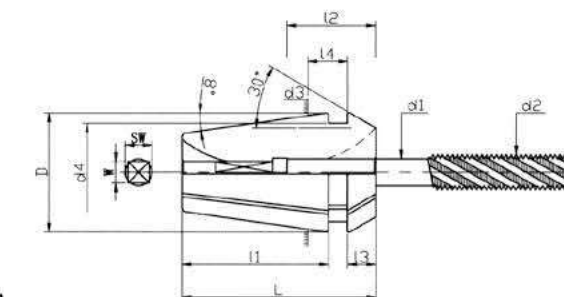


- ◇材料: 65Mn ◇Material: 65Mn
- ◇硬度: HRC44-48 ◇Hardness: HRC44-48
- ◎利用沟槽差异, 达到周围止水, 仅中心出水功能
- ◎适用于夹持有出水孔的刀具
- ◎可承受水压7Mpa
- ◎非标准孔可订制 ISO JIS DIN
- ◎Differences in the use of grooves to reach around the sealing
- ◎Central water feature only applies to folders to hold the water hole tool
- ◎Can withstand water pressure 7Mpa
- ◎Non-standard holes can be customized. ISO JIS DIN



型号Model	d	夹持范围 Range	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

ERG型攻丝筒夹 ERG Tap Collet

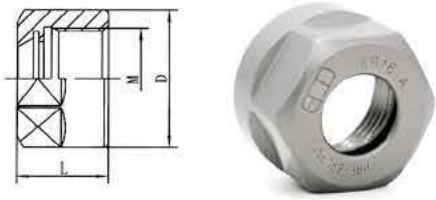


Outer diameter size according to DIN6499-A

型号Model	D	d3	d4	L	L1	L3	L4	Capacity	KGS
ER16G	16.74	16	13.8	27.5	20.8	4.0	6.26	M3-M10	0.03
ER20G	20.74	20	17.4	31.5	23.9	4.8	6.36	M3-M17	0.04
ER25G	25.74	25	22	34	25.9	5.0	6.66	M3-M22	0.06
ER32G	32.74	32	29.2	40	31.8	5.5	7.16	M3-M27	0.10
ER40G	40.74	40	36.2	46	35.5	7	7.66	M3-M27	0.25
ER50G	51.7	50	46	60	46	8.5	12.6	M6-M36	0.4

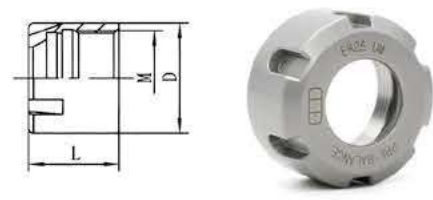
- ◎材料: 65Mn
- ◎Material: 65Mn
- ◎硬度: HRC44-48
- ◎Hardness: HRC44-48

ER-A型 螺帽 ER-A Nuts



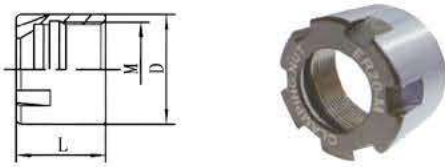
MODEL	L	D	M
ER11A	11.3	19	M14 × 0.75P
ER16A	17.5	28	M22 × 1.5P
ER20A	19	34	M22 × 1.5P

ER-UM型 螺帽 ER-UM Nuts



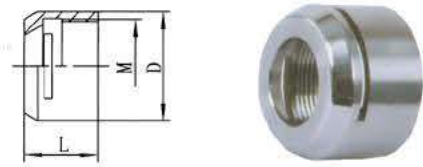
MODEL	L	D	M
ER25UM	20	42	M32 × 1.5P
ER32UM	22.5	50	M40 × 1.5P
ER40UM	25.5	63	M50 × 1.5P

ER-M型 螺帽 ER-M Nuts



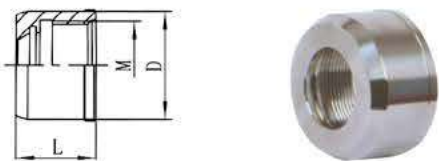
MODEL	L	D	M
ER11M	12	16	M13 × 0.75P
ER16M	18	22	M19 × 1.0P
ER20M	19	28	M24 × 1.0P
ER25M	20	35	M30 × 1.0P

ER-MS型 螺帽 ER-MS Nuts



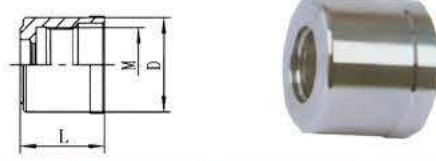
MODEL	L	D	M
ER11MS	11.3	16	M13 × 0.75P
ER16MS	17	22	M19 × 1.0P
ER20MS	19	28	M24 × 1.0P
ER25MS	23	35	M30 × 1.0P

GER型 螺帽 GER Nuts



MODEL	L	D	M
GER16	19	27	M22 × 1.5P
GER20	21	30	M24 × 1.0P
GER25	25	35	M30 × 1.0P
GER32	27	48	M40 × 1.5P

GSK型 螺帽 GSK Nuts



MODEL	L	D	M
GSK06	21	19	M15.5 × 1.0P
GSK10	24	27	M21.5 × 1.0P
GSK13	27	35	M28 × 1.5P
GSK16	31	40	M32 × 1.5P
GSK20	35	48	M40 × 1.5P
GSK25	37	55	M45 × 1.5P

ERM型 扳手 ERM Spanners



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

ER型 开口扳手 ER Spanners



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

勾头型 扳手 WTG 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
ER25	ER25UM
ER32	ER32UM
ER40	ER40UM

GSK扳手 GSK Spanners



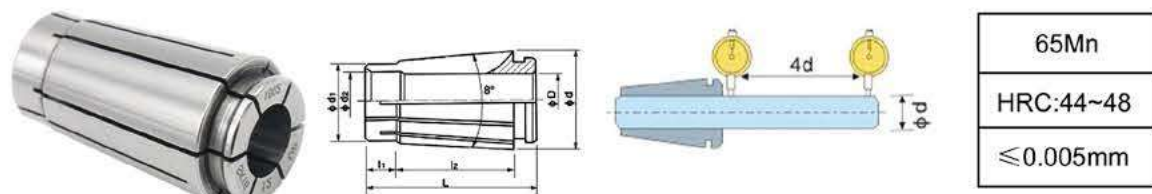
Model of Spanners	Type of Nuts
GSK10	GSK10
GSK13	GSK13
GSK16	GSK16
GSK20	GSK20
GSK16	GSK16
GSK20	GSK20
GSK25	GSK25
GSK32	GSK32
GSK32	GSK32

ERMS扳手 ERMS Spanners



Model of Spanners	Type of Nuts
ER16MS	ER16MS
ER20MS	ER20MS

SK 筒夹 SK Collets



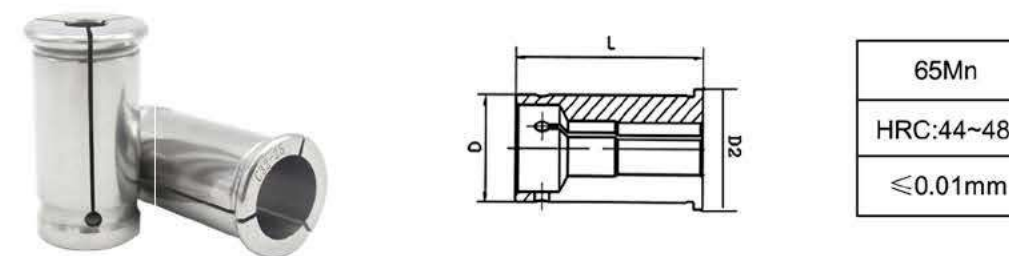
Size	Inside Diameter	d	d1	L	L1	L2
SK10	2,2.5,3,3.5,4,4.5,5,5.5,6,6.5,7,7.5,8,8.5,9,9.5,10mm	15.5	12	30.5	5.1	21.3
SK16	3,4,4.5,5,5.5,6,6.5,7,7.5,8,8.5,9,9.5,10,10.5,11,11.5,12,12.5,13,13.5,14,14.5,15,15.5,16mm	24.5	18.8	45	7.5	32.4
SK20	7.5,8,9.5,10,11.5,12,15.5,16,16.5,17,17.5,18,18.5,19,19.5,20mm	29.1	22.6	54	8	40.7
SK25	7.5,8,9.5,10,11.5,12,15.5,16,16.5,17,17.5,18,18.5,19,19.5,20,20.5,21,21.5,22,22.5,23,23.5,24,24.5,25mm	35.7	28.9	57	8.4	43.1

SDC 筒夹 SDC Collets



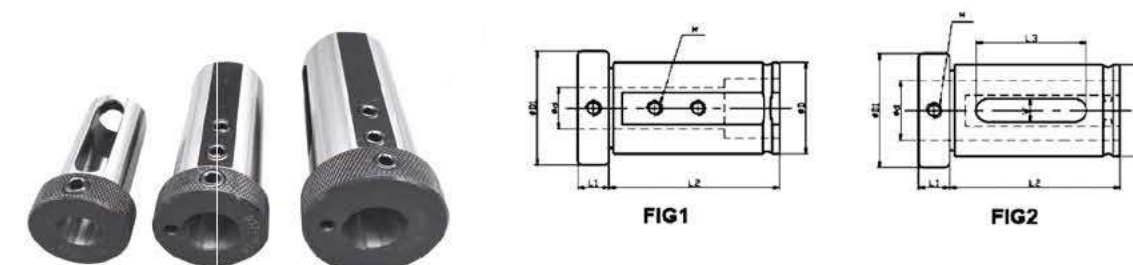
Model	d	L	L1	D
SDC6	3E	3	36	9.6
	3.175E	3.175	36	9.6
	4E	4	36	9.6
	5E	5	36	9.6
	6E	6	36	9.6
SDC8	3E	3	45	15
	4E	4	45	15
	6E	6	45	15
	8E	8	45	15
SDC12	4E	4	60	22
	6E	6	60	22
	8E	8	60	22
	10E	10	60	22
	12E	12	60	22

直柄筒夹 Straight Collets



Size	Inside Diameter	D	D2	L
C20	3,4,5,6,8,10,12,16mm	20	25	52
C25	3,4,5,6,8,10,12,16,18,20mm	25	31	60
C32	3,4,5,6,8,10,12,16,18,22,24,20,25mm	32	37	73
C42	3,4,5,6,8,10,12,16,18,20,22,24,25,28,30,32mm	42	48	80

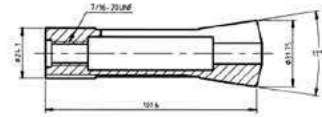
刀库导套 Tool Holder Sleeves



用途：用于数控加工中心（转塔）刀架加持刀具。
Function: Suitable to hold cylindrical shank tools on turret at CNC lathe.

Model	D	D1	L1	L2	L3	W	M	Fig
D40(7PCS)	8;10;12;16;20	46.5	15	80			M8	1
	25;32	46.5	15	80	65	12		2
D32(6PCS)	8;10;12;16	39	14	70			M8	1
	20;25	39	14	70	58	10		2
D25(4PCS)	8;10;12	33	14	50			M8	1
	16	33	14	50	42	10		2
D20(3PCS)	8;10	28	12	50			M8	1
	12	28	12	50	42	8		2
D16(2PCS)	8	24	10	40			M8	1
	10	24	10	40	34	6		2

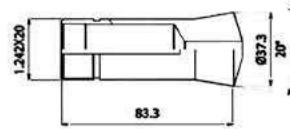
R8夹头 R8 Collets



65Mn

Model	Type	Clamping Range		Wt.
R8-d	Round	1-20	1/16-1/8	0.24

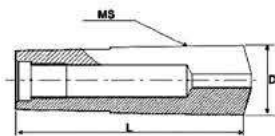
5C夹头 5C Collets



65Mn

Model	Type	Clamping Range		Wt.
5C-d	Round	1-28	1/32-1-1/8	0.24

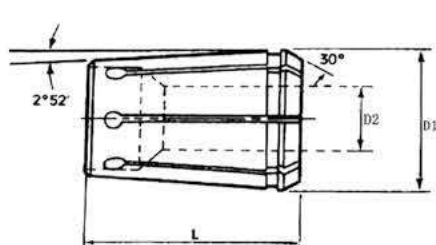
莫氏夹头 Morse Taper Collets



65Mn

Model	Type	Hole Size	D	L	Wt
MS2	2	2,3,4,5,6,8,10,12	18	68	0.08
MS3	3	2,3,4,5,6,8,10,12,14,16,17,18	24.1	86	0.10

EOC 筒夹 EOC Collets

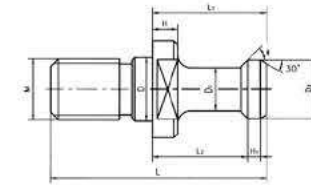


DIN6388
 ≤0.015MM
 65Mn
 Taper : 1:10
 EOCA=OZ

Model	D1	L	D2	
EOC25	35.5	52	Metric	3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25
			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"
EOC32	44	60	Metric	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,
			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", 1-1/8", 1-1/4"

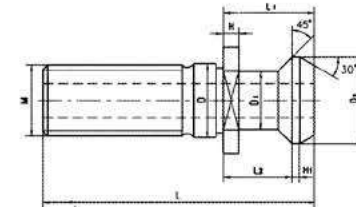
拉钉系列 Pull Studs

MAS403-1982



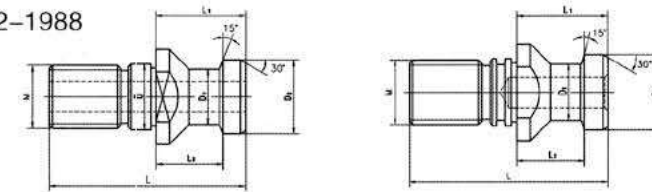
Model	L	L1	L2	D	D1	D2	H	H1	M	θ		
BT30(θ)	43	23	18	12.5	7	11	5	2.5	M12	45°	60°	90°
BT40(θ)	60	35	28	17	10	15	6	3	M16	45°	60°	90°
BT50(θ)	85	45	35	25	17	23	10	5	M24	45°	60°	90°

MAZAK



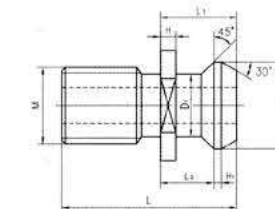
Model	L	L1	L2	D	D1	D2	H	H1	M
MAZAK-BT40	44.10	19.10	14.02	17	12.45	18.8	3.05	1.52	M16
MAZAK-CT40	41.25	16.25	11.17	17	12.45	18.8	3.05	1.52	M16
MAZAK-BT50	65.20	25.20	17.7	25	20.83	28.96	5.05	2.54	M24

DIN69872-1988



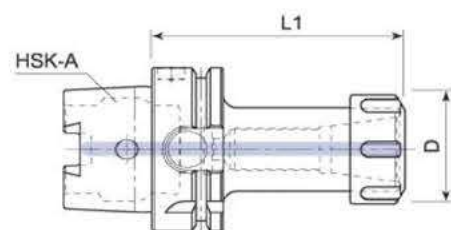
Model	L	L1	L2	D	D1	D2	M
JT30	44	24	19	13	9	13	M16
JT40	54	26	20	17	14	19	M16
JT50	74	34	25	25	21	28	M24

ANSI/ASME B5.50-1985



Model	L	L1	L2	D1	D2	H	H1	M
CAT30	27.94	11.68	8.13	9.78	13.21	2.54	1.01	12" -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

HSK-A-ER 筒夹刀柄 HSK-A-ER Collets Chucks



螺母为预设动平衡螺母；整支通孔，利于出水及抗震。

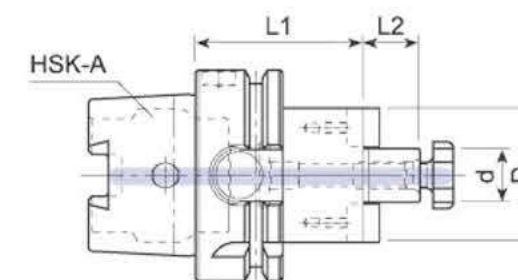
Pre-balanced nut. Entire branch through hole, conducive to water and anti-seismic.

可根据客户需要精密平衡至 G6.3 / 15000RPM或G2.5 / 30000RPM。

According to customer needs, precision balance can be up to G6.3 / 15000 RPM of G2.5 / 30000RPM.

Model	Shank	Collets	Clamping Range	D	L1
HSK63A-ER16-80	HSK63A	ER16	1-10	28	80
HSK63A-ER16-100	HSK63A	ER16	1-10	28	100
HSK63A-ER16-125	HSK63A	ER16	1-10	28	125
HSK63A-ER16-160	HSK63A	ER16	1-10	28	160
HSK63A-ER20-80	HSK63A	ER20	1-13	34	80
HSK63A-ER20-100	HSK63A	ER20	1-13	34	100
HSK63A-ER20-125	HSK63A	ER20	1-13	34	125
HSK63A-ER20-160	HSK63A	ER20	1-13	34	160
HSK63A-ER25-80	HSK63A	ER25	2-16	42	80
HSK63A-ER25-100	HSK63A	ER25	2-16	42	100
HSK63A-ER25-125	HSK63A	ER25	2-16	42	125
HSK63A-ER25-160	HSK63A	ER25	2-16	42	160
HSK63A-ER32-100	HSK63A	ER32	2-20	50	100
HSK63A-ER32-125	HSK63A	ER32	2-20	50	125
HSK63A-ER32-160	HSK63A	ER32	2-20	50	160
HSK63A-ER40-100	HSK63A	ER40	3-26	63	100
HSK63A-ER40-120	HSK63A	ER40	3-26	63	120
HSK63A-ER40-160	HSK63A	ER40	3-26	63	160
HSK100A-ER16-100	HSK100A	ER16	1-10	28	100
HSK100A-ER16-125	HSK100A	ER16	1-10	28	125
HSK100A-ER16-160	HSK100A	ER16	1-10	28	160
HSK100A-ER20-100	HSK100A	ER20	1-13	34	100
HSK100A-ER20-125	HSK100A	ER20	1-13	34	125
HSK100A-ER20-160	HSK100A	ER20	1-13	34	160
HSK100A-ER25-100	HSK100A	ER25	1-16	42	100
HSK100A-ER25-125	HSK100A	ER25	1-16	42	125
HSK100A-ER25-160	HSK100A	ER25	1-16	42	160
HSK100A-ER32-100	HSK100A	ER32	2-20	50	100
HSK100A-ER32-125	HSK100A	ER32	2-20	50	125
HSK100A-ER32-160	HSK100A	ER32	2-20	50	160
HSK100A-ER40-100	HSK100A	ER40	3-26	63	100
HSK100A-ER40-120	HSK100A	ER40	3-26	63	120
HSK100A-ER40-160	HSK100A	ER40	3-26	63	160

HSK-A-FMB 平面铣刀柄 HSK-A-FMB Face Mill Arbors

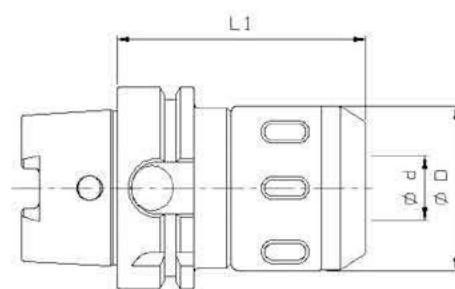


平面铣刀配合部位 (d) 公差为 h6

The tolerance of d : h6

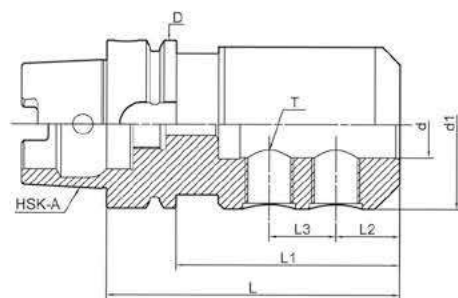
Model	Shank	d	D	L1	L2
HSK63A-FMB22-50	HSK63A	22	48	50	19
HSK63A-FMB22-100	HSK63A	22	48	100	19
HSK63A-FMB22-150	HSK63A	22	48	150	19
HSK63A-FMB27-60	HSK63A	27	58	60	21
HSK63A-FMB27-100	HSK63A	27	58	100	21
HSK63A-FMB27-150	HSK63A	27	58	150	21
HSK63A-FMB32-60	HSK63A	32	78	60	24
HSK63A-FMB32-100	HSK63A	32	78	100	24
HSK63A-FMB32-150	HSK63A	32	78	150	24
HSK63A-FMB40-60	HSK63A	40	88	60	27
HSK100A-FMB22-50	HSK100A	22	48	50	19
HSK100A-FMB22-100	HSK100A	22	48	100	19
HSK100A-FMB22-150	HSK100A	22	48	150	19
HSK100A-FMB27-50	HSK100A	27	58	50	21
HSK100A-FMB27-100	HSK100A	27	58	100	21
HSK100A-FMB27-150	HSK100A	27	58	150	21
HSK100A-FMB32-50	HSK100A	32	78	50	24
HSK100A-FMB32-100	HSK100A	32	78	100	24
HSK100A-FMB32-150	HSK100A	32	78	150	24
HSK100A-FMB40-60	HSK100A	40	88	60	27
HSK100A-FMB40-100	HSK100A	40	88	100	27
HSK100A-FMB40-160	HSK100A	40	88	150	27

HSK-A-HEC 强力型刀柄 HSK-A-HEC Power Milling Chucks



Model	Shank	d	Clamping Range	D	L1
HSK63A-HEC32-110	HSK63A	32	3-32	73	110
HSK63A-HEC32-130	HSK63A	32	3-32	73	130
HSK100A-HEC32-105	HSK100A	32	3-32	73	105
HSK100A-HEC32-115	HSK100A	32	3-32	73	115
HSK100A-HEC32-135	HSK100A	32	3-32	73	135
HSK100A-HEC32-165	HSK100A	32	3-32	73	165

HSK-A-SLN 侧固式刀柄 HSK-A-SLN Side Lock End Mill Arbors

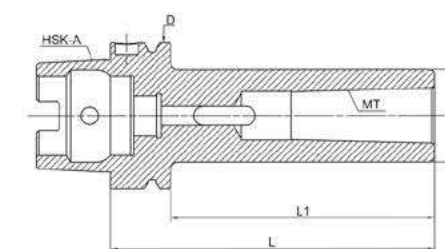


内孔精度 (ACCURACY) : H5

动平衡 (BALANCING) : G2.5 / 20000RPM

Model	d	d1	D	L	L1	L2	L3	D
HSK63A	16	48	63	80	54	24	-	63
HSK63A	20	52	63	80	54	25	-	63
HSK63A	25	65	63	110	84	24	25	63
HSK63A	32	65	63	110	84	24	28	63
HSK100A	16	48	100	100	74	24	-	100
HSK100A	20	52	100	100	74	24	-	100
HSK100A	25	65	100	100	74	24	25	100
HSK100A	32	72	100	100	74	24	28	100
HSK100A	40	80	100	120	94	30	32	100

HSK-A-MTA 莫氏刀柄 HSK-A-MTA Tool Holders

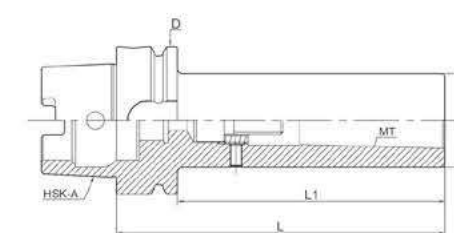


用于加持莫氏锥度、尾端带扁尾的切削刀具

These holders are used for clamping morse taper, or tail with tang form.

Model	L	L1	D	L1	MT
HSK63A-MTA1-100	100	74	63	25	1
HSK63A-MTA2-120	120	94	63	32	2
HSK63A-MTA3-140	140	114	63	40	3
HSK63A-MTA4-160	160	134	63	48	4
HSK100A-MTA1-110	110	81	100	25	1
HSK100A-MTA2-120	120	91	100	32	2
HSK100A-MTA3-150	150	121	100	40	3
HSK100A-MTA4-170	170	141	100	48	4
HSK100A-MTA5-200	200	171	100	63	5

HSK-A-MTB 莫氏刀柄 HSK-A-MTB Tool Holders

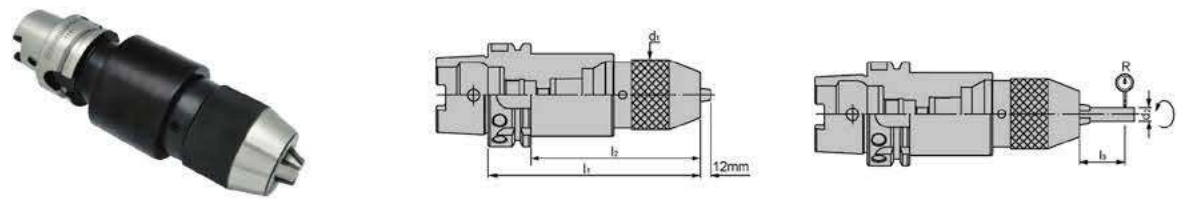


用于夹持莫氏锥度、尾端带后拉螺纹的切削刀具。

These holders are used for clamping morse taper, or tail with draw bar

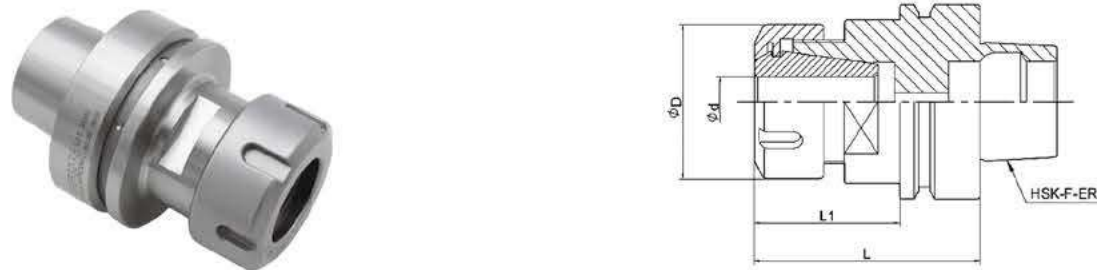
Model	L	L1	D	L1	MT
HSK63A-MTA1-100	100	74	63	25	1
HSK63A-MTA2-120	120	94	63	32	2
HSK63A-MTA3-140	140	114	63	40	3
HSK63A-MTA4-160	160	134	63	48	4
HSK100A-MTA1-110	110	81	100	25	1
HSK100A-MTA2-120	120	91	100	32	2
HSK100A-MTA3-150	150	121	100	40	3
HSK100A-MTA4-170	170	141	100	48	4
HSK100A-MTA5-200	200	171	100	63	5

HSK(A型)/SPU 直结式钻夹头刀柄 HSK(A)SPU Drill Chuck Adapters



Model	l1	l2	l3	d1	d2	R	Wt
HSK50A-SPU13-150	150	124	55	50	5	0.04	1.40
HSK63A-SPU13-150	150	124	55	50	10	0.04	2.10
HSK100A-SPU13-150	155	126	75	50	13	0.04	3.10

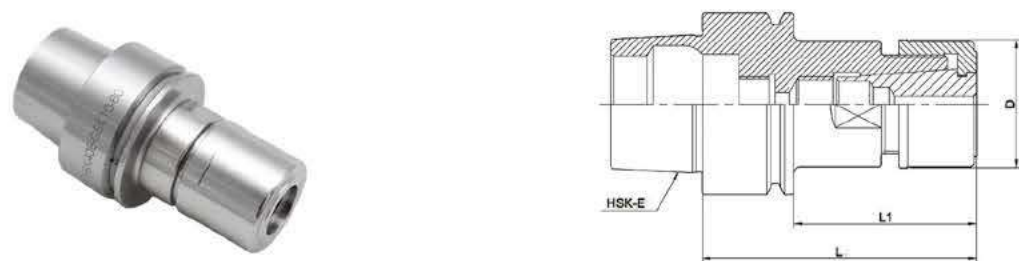
HSK-F-ER 筒夹刀柄 HSK-F-ER Collets Holders



精度(ACCURACY):5um 动平衡(BALANCING):G2.5/30000RPM

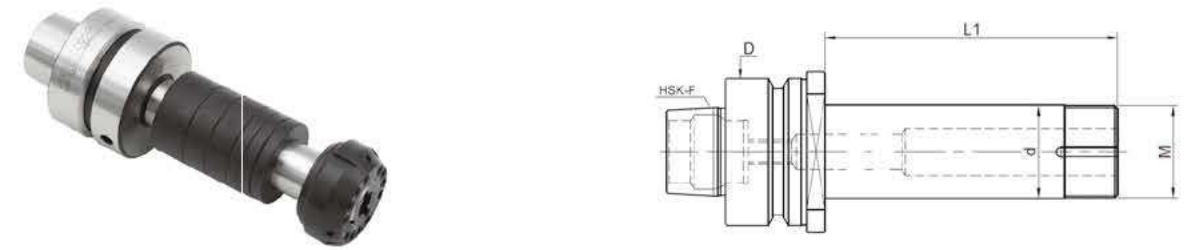
Model	Clamping Range Ød	ØD	L	L1
HSK63F-ER16-70	1.0-10.0	28	70	44
HSK63F-ER16-100	1.0-10.0	28	100	74
HSK63F-ER20-100	1.0-13.0	34	100	74
HSK63F-ER25-100	1.0-16.0	42	100	74
HSK63F-ER32-73	3.0-20.0	50	73	47
HSK63F-ER40-75	4.0-26.0	63	75	47

HSK-E-GSK 筒夹刀柄 HSK-E-GSK Collets Chucks



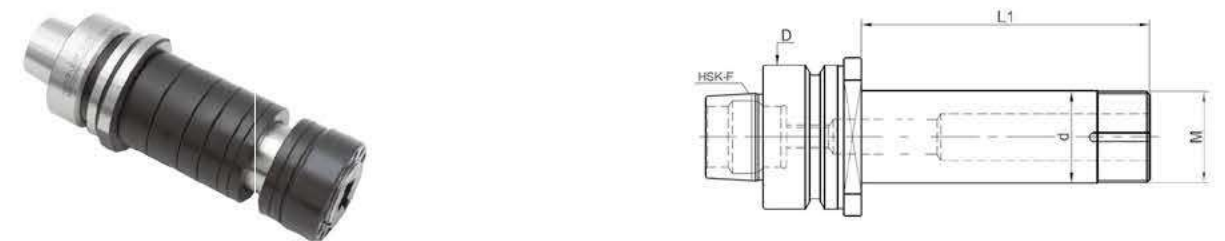
Model	Clamping Range Ød	ØD	L	L1
HSK40E-GSK10-60	2.0-10.0	27.5	60	40
HSK40E-GSK16-60	3.0-16.0	40	60	40
HSK50E-GSK10-80	2.0-10.0	27.5	80	54
HSK50E-GSK16-80	3.0-16.0	40	80	54

HSK-F-OD 砂轮杆 HSK-F-OD Grinding Wheel Arbors



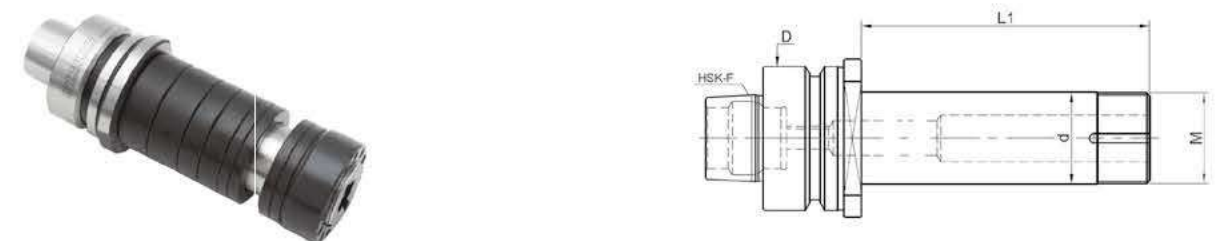
Model	D	d	L1	M
HSK40F-OD31.75-75	Φ40	Φ31.75	75	M31.5X1.5
HSK40F-OD31.75-95	Φ40	Φ31.75	95	M31.5X1.5
HSK50F-OD31.75-85	Φ50	Φ31.75	85	M31.5X1.5
HSK50F-OD31.75-100	Φ50	Φ31.75	100	M31.5X1.5

HSK40FC-OD 砂轮杆 HS40FC-OD Grinding Wheel Arbors



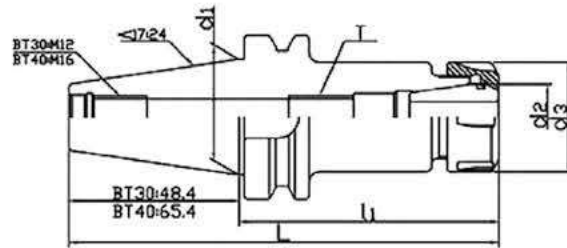
Model	D	d	L	L1	M
HSK40FC-OD20-95-A	Φ40	Φ20	95	/	M20X1.5
HSK40FC-OD31.75-95-A	Φ40	Φ31.75	95	/	M31.5X1.5
HSK40FC-OD31.75-95-B	Φ40	Φ31.75	95	1	M31.5X1.5

HSK40FC-OD 砂轮杆 HS40FC-OD Grinding Wheel Arbors



Model	D	d	L	L1	M
HSK63F-OD31.75-80	Φ63	Φ31.75	80	42	M31.5X1.5
HSK63F-OD31.75-80-L	Φ63	Φ31.75	80	42	M31.5X1.5

BT高速刀柄 BT x ER High-speed & Fine-balanced Tool Holders



MAS403	20CrMnTi	≤0.005mm	≥12000rpm
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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

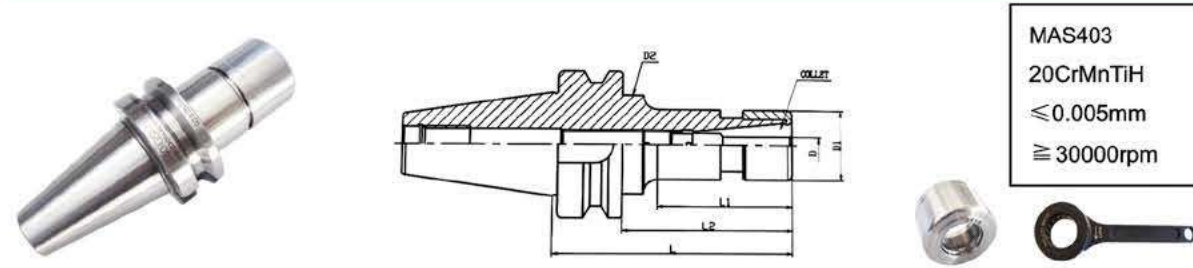
Above different types of A.B.C.D & E are from different material with different precision and rotation for your choice. 上面A.B.C.D & E款材质不同，精度与转速也不同，供选择。

BT-ER 套装铣夹头 BT-ER Collets Chuck Sets



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)	
BT40-ER32-70L	18PCS(3-20mm)	M16-2.0P
	6PCS(6-20mm)	
	11PCS(4-20mm)	
BT40-ER40-80L	18PCS(3-20mm)	M16-2.0P
	7PCS(6-25mm)	
	15PCS(4-26mm)	
BT40-ER16-100L	23PCS(4-26mm)	M12-1.75P
BT40-ER20-100L	8PCS(3-10mm)	M12-1.75p
BT40-ER32-100L	11PCS(3-13mm)	M16-2.0P
	6PCS(6-20mm)	
	11PCS(4-20mm)	
BT40-ER40-100L	18PCS(3-20mm)	M16-2.0P
	7PCS(6-25mm)	
	15PCS(4-26mm)	
BT50-ER40-100L	23PCS(4-26mm)	M24-3.0P
	6PCS(6-20mm)	
	11PCS(4-20mm)	
BT50-ER40-100L	18PCS(3-20mm)	M24-3.0P
	7PCS(6-25mm)	
	15PCS(4-26mm)	
BT50-ER32-150	23PCS(4-26mm)	M24-3.0P
	6PCS(6-20mm)	
	11PCS(4-20mm)	
BT50-ER40-150L	PCS(183-20mm)	M24-3.0P
	7PCS(6-25mm)	
	15PCS(4-26mm)	
	23PCS(4-26mm)	

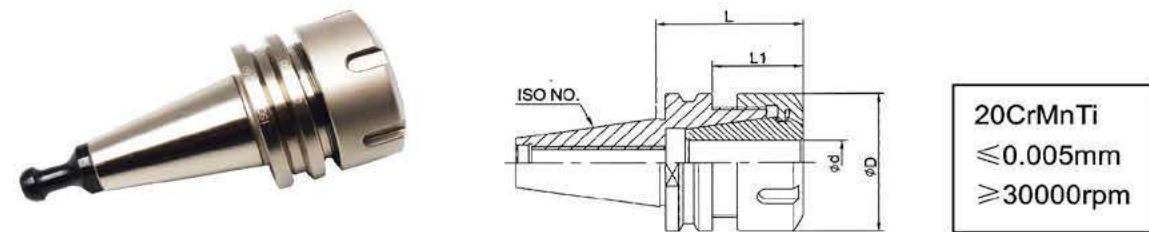
SK 刀柄 SK Collets Chuck Holders



MAS403
20CrMnTiH
≤ 0.005mm
≧ 30000rpm

Model	Clamping	L	L1	D1	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		

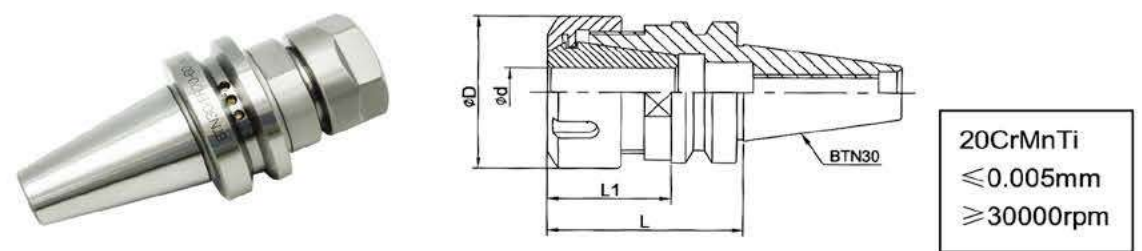
ISO无键槽高速刀柄 ISO High Speed Collet Chuck without Keyway



20CrMnTi
≤ 0.005mm
≧ 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

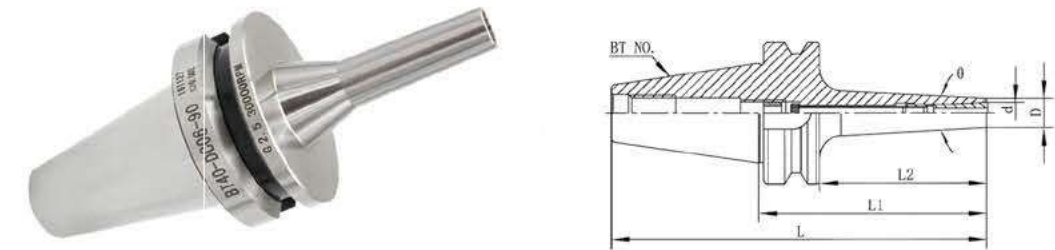
NBT30无键槽高速刀柄 NBT30 High Speed Collet Chuck without Keyway



20CrMnTi
≤ 0.005mm
≧ 30000rpm

Model	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

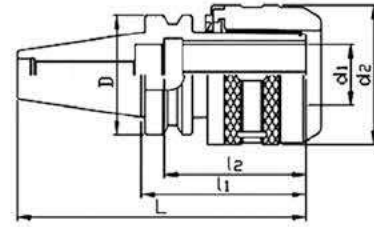
SDC 夹头刀柄 SDC Collet Chuck



- 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	
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	SDC06-100	165.4	100	73	6°	14	3-6
	SDC06-150	215.4	150	123	6°	14	3-6
	SDC08-100	165.4	100	73	6°	22	3-8
	SDC08-150	215.4	150	123	6°	22	3-8
	SDC12-100	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

强力铣夹头套装 Straight Collets Chuck Sets

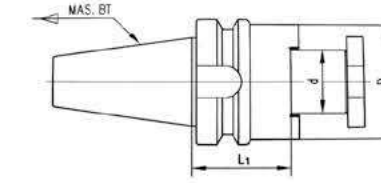


65Mn
HRC:44~48
≅ 0.01mm

Size of shank & Collets		Back Bar Thread	Wt.
MT4	C32-75L	M16x2.0P	2.5
MT5	C32-75L	M24x3.0P	3.5
	C42-110L		5.0
R8	C20-85L	7/16" -20	2.5
NT30	C20-65L	M12x1.75P	3.0
NT40	C20-70L	M16x2.0P	3.5
	C32-95L		4.0
NT50	C32-100L	M24x3.0P	4.5
	C42-110L		6.0
BT30	C20-85L	M12x1.75P	2.5
	C25-85L		3.0
BT40	C20-90L/120L	M16x2.0p	3.0/4.0
	C25-95L/130L		4.5/5.0
	C32-105L/135L		3.0/3.5
BT50	C32-110L/150L	M24x3.0p	5.2/7.0
	C32-110L/135L		6.5/7.5



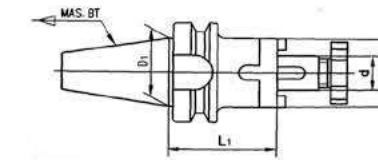
BT-FMB端面铣刀杆 BT-FMB Shell Mill Arbors



MAS403 20CrMnTi ≅ 12000rpm

Model	L1	D	d
BT30-FMB22-45	45	50	22
BT30-FMB27-45	45	60	27
BT30-FMB32-60	60	78	32
BT40-FMB22-60	60	48	22
BT40-FMB22-100	100	48	22
BT40-FMB27-60	60	60	27
BT40-FMB32-60	60	78	32
BT40-FMB40-60	60	89	40
BT50-FMB22-100	100	50	22
BT50-FMB27-100	100	60	27
BT50-FMB32-100	100	78	32
BT50-FMB40-100	100	98	40
BT50-FMB6075	75	140	60

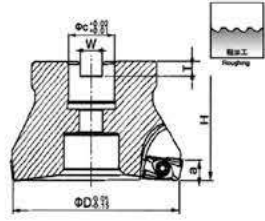
BT-CEM 混合插入式铣刀杆 BT-CEM Combine Shell End Mill Arbors



MAS403 20CrMnTi ≅ 12000rpm

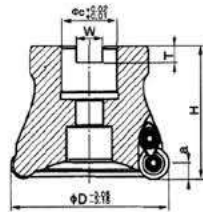
Model	L1	D	D1	d
BT30-CEM16-50	50	32	31.75	16
BT30-CEM22-50	50	40		22
BT30-CEM27-55	55	48		27
BT40-CEM16-55	55	32	44.45	16
BT40-CEM22-55	55	40		22
BT40-CEM27-55	55	48		27
BT40-CEM32-60	60	58		32
BT40-CEM40-60	60	70	40	
BT50-CEM16-70	70	32	69.85	16
BT50-CEM22-70	70	40		22
BT50-CEM27-70	70	48		27
BT50-CEM32-70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

RAP-75° 壳型铣刀盘 RAP-75° Face Mills



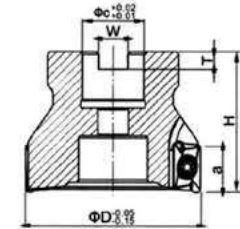
Cat.NO	Size(mm)						Circular Cushin	Applicable inserts	Clamp screw	Wrench
	D	C	H	W	T	a				
RAP400R-50-22-4T	40	16	45	8.5	5	8	-	APMT 1604 PDER	M4 x 10	T15
RAP400R-63-22-4T	63	22	50	10.4	6.3	8	-			
RAP400R-80-27-5T	80	27	50	12.4	7	8	-			
RAP400R-100-32-6T	100	32	50	14.4	8	8	FMB-32-SHIM			
RAP400R-125-40-6T	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



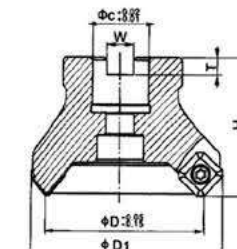
Cat.NO	Size(mm)						Circular Cushin	Applicable inserts	Clamp piece	Clamp screw	Clamp
	D	C	H	W	T	a					
EMR-5R-50-22-4T	50	22	50	10.4	6.3	5	-	PRMW 1003 MO PRMW 10T3 MOE	A-5R	M4 x 10	T15
EMR-5R-63-22-4T	63	22	50	10.4	6.3	5	-				
EMR-5R-80-27-6T	80	27	50	12.4	7	5	FMB-32-SHIM				
EMR-5R-100-32-6T	100	32	50	14.4	8	5	-	PRMW 1204 MO	A-6R	M4 x 10	T15
EMR-6R-50-22-4T	50	22	50	10.4	6.3	6	-				
EMR-6R-63-22-4T	63	22	50	10.4	6.3	6	-				
EMR-6R-80-27-6T	80	27	50	12.4	7	6	-	PRMW 1204 MO	A-6R	M4 x 10	T15
EMR-6R-100-32-6T	100	32	50	14.4	8	6	FMB-32-SHIM				
EMR-6R-125-40-6T	125	40	63	16.4	9	6	FMB-40-SHIM				

90° 台肩壳型铣刀盘 90° Shoulder Face Mills



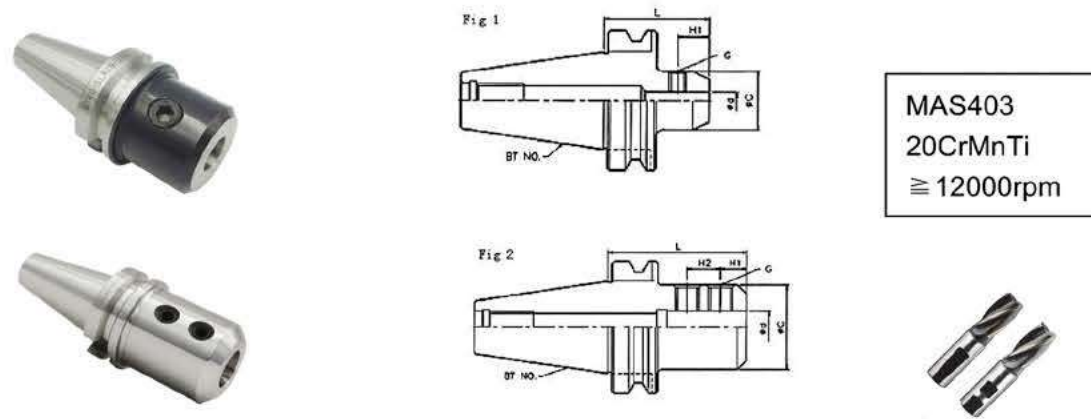
Cat.NO	Size(mm)						Circular Cushin	Applicable inserts	Clamp screw	Wrench
	D	C	H	W	T	a				
TAP400R-50-22-4T	50	20	50	10.4	6.3	14	-	APMT 1604 PDER	M4 x 10	T15
TAP400R-63-22-4T	63	22	50	10.4	6.3	14	-			
TAP400R-80-27-6T	80	27	50	12.4	7	14	-			
TAP400R-100-32-6T	100	32	50	14.4	8	14	FMB-32-SHIM			
TAP400R-125-40-6T	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



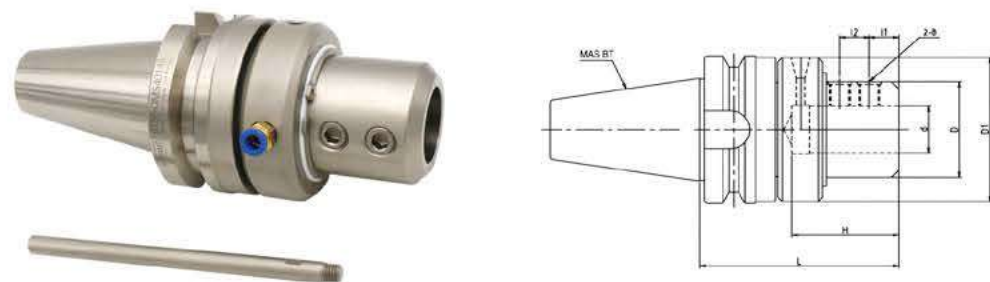
Cat.NO	Size(mm)					Circular Cushin	Applicable inserts	Clamp screw	Wrench
	D	C	H	W	T				
KM12-50-22-4T	50	22	50	10.4	6.3	-	SEKT1204	A501105D M5 x 11	T20F T20
KM12-63-22-4T	63	22	50	10.4	6.3	-			
KM12-80-27-5T	80	27	50	12.4	7	-			
KM12-100-32-5T	100	32	50	14.4	8	FMB-32-SHIM			
KM12-125-40-6T	125	40	63	16.4	8	FMB-40-SHIM			
KM12-160-40-9T	160	40	63	16.4	9	FMB-40-SHIM			

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



Model	Fig	L	C	H1	H2
BT30-SLN20-70	1	70	52	25	-
BT40-SLN20-70	1	70	52	25	-
BT40-SLN25-90	2	90	65	24	25
BT40-SLN32-100	2	100	72	24	28
BT50-SLN25-100	2	100	65	24	25
BT50-SLN32-105	2	105	72	24	28
BT50-SLN40-110	2	110	90	30	32

BT - OMS 刀柄 BT/OMS Side Lock Oil Hole Holders



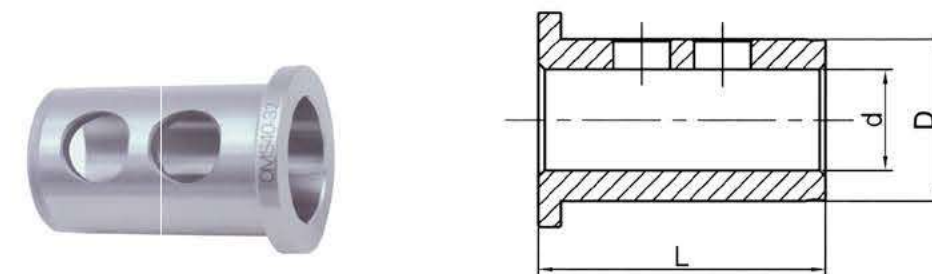
Model	d	L	D	D1	H	I1	I2	B
BT40-OMS-20105	20	105	50	78	50	20	/	M12
BT40-OMS-25120	25	120	50	78	60	20	20	M12
BT40-OMS-32125	32	125	65	88	70	20	20	M14
BT50-OMS-20120	20	120	50	78	50	20	/	M12
BT50-OMS-25135	25	135	50	78	60	20	20	M12
BT50-OMS-32135	32	135	65	98	70	20	20	M14
BT50-OMS-40145	40	145	65	98	80	20	25	M16 x 1.5
BT50-OMS-50170	50	170	90	123	90	35	35	M20

MT - OMS 刀柄 MT/OMS Side Lock Oil Hole Holders



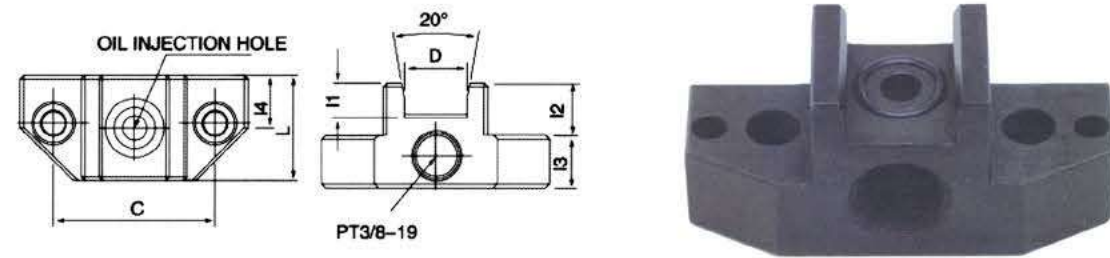
Model	d	D	I1	I2	H	L1	B
MT4-OMS-20080	20	83	20	/	60	80	M12
MT4-OMS-25095	25	83	20	20	75	95	M12
MT4-OMS-32100	32	88	20	20	78	100	M14
MT5-OMS-20080	20	83	20	/	60	80	M12
MT5-OMS-25095	25	83	20	20	75	95	M12
MT5-OMS-32100	32	88	20	20	78	100	M14
MT5-OMS-40110	40	88	20	25	82	110	M16 x 1.5
MT6-OMS-20085	20	83	20	/	60	85	M12
MT6-OMS-25100	25	83	20	20	75	100	M12
MT6-OMS-32105	32	88	20	20	78	105	M14
MT6-OMS-40120	40	88	20	25	82	120	M16 x 1.5

OMS 转换套 OMS Sleeves with side solid oil



Model	L	D	d
40-32	71	Φ40	Φ32
40-25	71	Φ40	Φ25
40-20	66	Φ40	Φ20
40-32	71	Φ40	Φ32
32-25	71	Φ32	Φ25
32-20	60	Φ32	Φ20
25-20	58	Φ25	Φ20

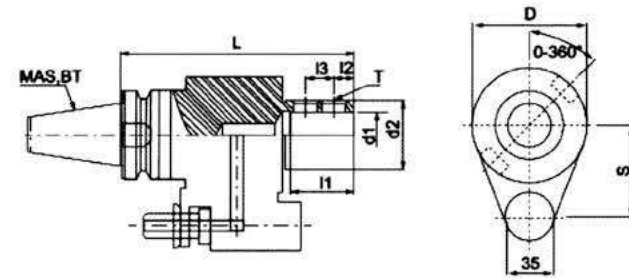
ST-18定位块 ST-18 Fixed Blocks



适用于油路刀把及角度头
Suitable for Tool Holder with oil hole or Angle Heads

Model	l1	l2	l3	D	d2	S	T	重量(KGS)
ST-18	18	27	9	18.1	17.2	18	46.2	0.29

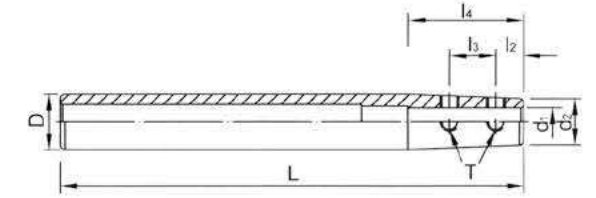
BT/OSL 侧固式油路刀柄 BT/OSL Side Lock Oil Hole Holders



◇订购前请确认“S”尺寸(中心距离) ◇使用前请确认中心切削机的高压装置
◇承受7kg/cm²水压 ◇最高转速限制: 3000rpm
◇Please confirm the size "S" (center distance) before ordering.
◇Please confirm the high-pressure installation of every single line center before using.
◇Can bear water pressure 7kg/cm².
◇Max Speed limit :3000rpm.

Model	l1	l2	l3	D	d2	S	T	重量(KGS)
BT40-OSL16-150	48	25	-	82	48	65	M12-1.75P	3.10
BT40-OSL20-165	50	25	-	82	48	65	M12-1.75P	3.50
BT40-OSL25-165	56	15	20	82	48	65	M16-2.0P	3.50
BT40-OSL32-165	60	15	20	82	49.5	65	M16-2.0P	5.27
BT50-OSL16-165	48	25	-	98	58	80	M14-2.0P	7.00
BT50-OSL20-165	50	25	-	98	58	80	M14-2.0P	7.50
BT50-OSL25-165	56	15	20	98	58	80	M16-2.0P	7.50
BT50-OSL32-165	60	15	20	98	58	80	M16-2.0P	9.05
BT50-OSL40-170	62	15	25	105	56	80	M14-2.0P	8.50

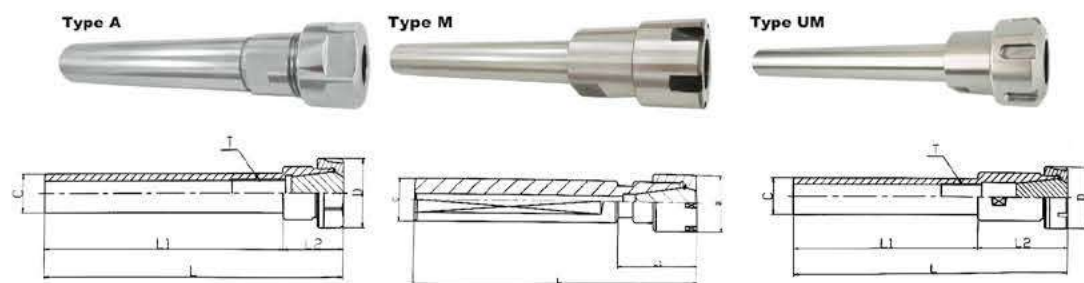
C/SL 直柄侧固式延长小径刀柄 C/SL Straight Small Shank Holders



● d1 is H5.

Model	L	l2	l3	l4	D	d1	d2	T	WEIGHT (KGS)							
C10-SL3-150	150	6	10	25	10	3	9	M3 x 0.5P	0.10							
4						0.10										
6						0.10										
C12-SL4-150	100	6	10	25	12	4	9	M4 x 0.7P	0.12							
6						0.10										
C12-SL6-100	100	6	10	25	12	6	9	M4 x 0.7P	0.12							
C12-SL6-150	150								0.12							
C16-SL4-150	200	6	10	25	16	4	10	M4 x 0.7P	0.15							
C16-SL4-200									200	0.18						
C16-SL6-150									150	0.15						
C16-SL6-200	200	6	10	25	16	6	13	M4 x 0.7P	0.18							
C16-SL8-150	150								0.15							
C16-SL8-200	200								0.18							
C20-SL6-150	150	6	10	25	20	6	13	M6 x 1.0P	0.18							
C20-SL8-150									150	0.18						
C20-SL8-200									200	0.18						
C20-SL10-150	150	6	10	25	20	8	15	M6 x 1.0P	0.18							
C20-SL10-200									200	0.20						
C20-SL12-150									150	0.18						
C20-SL12-200	200	6	10	25	20	12	19	M6 x 1.0P	0.20							
C32-SL6-150	150								6	10	25	32	6	13	M6 x 1.0P	0.21
C32-SL8-150																8
C32-SL10-150		10	17	0.22												
C32-SL12-150		12	19	0.22												

ER 直柄延长杆 ER Collets Extension Bars



≥ 12000rpm 20CrMnTi

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	51.5	100	20	50
C25-ER20UM-100	140.5/140	100	25	34/28
C25-ER25UM-100	51	100	25	42
C25-ER32UM-100	51.5	100	25	50
C32-ER32UM-100	51.5	100	32	50
C32-ER32UM-150	51.5	150	32	50
C40-ER32UM-100	51.5	100	40	50
C40-ER40UM-100	65	100	40	63



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

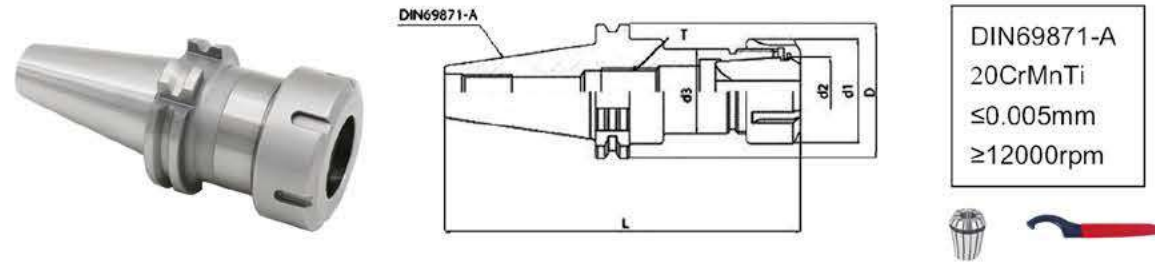
直柄侧锁式ER铣床夹头柄 Side Lock ER Collets Straight Shank Chucks



- 适用于各式CNC车床，走心式或是走刀式等自动车床，可作为一个刀夹（夹钻头、立铣刀、小镗刀等），可以通过吸收震动提高效率。
- 材质：42CrMo
- 硬度：HRC52
- 内孔同心度：0.005mm
- 夹持柄位有消平端供刀座侧边螺丝锁固。
- Applicable to a variety of CNC lathes, Swiss Type, or walk the knife-type automatic lathes, etc. can be used as a knife folder (folde drills, end mills, small boring tool, etc.) can be shock-absorbing efficiency.
- Material: 42CrMo
- Hardness: HRC52
- Hole c=Concentricity: 0.005mm
- Clapping handle bit-side leveling screw for locking the side of a knife block.

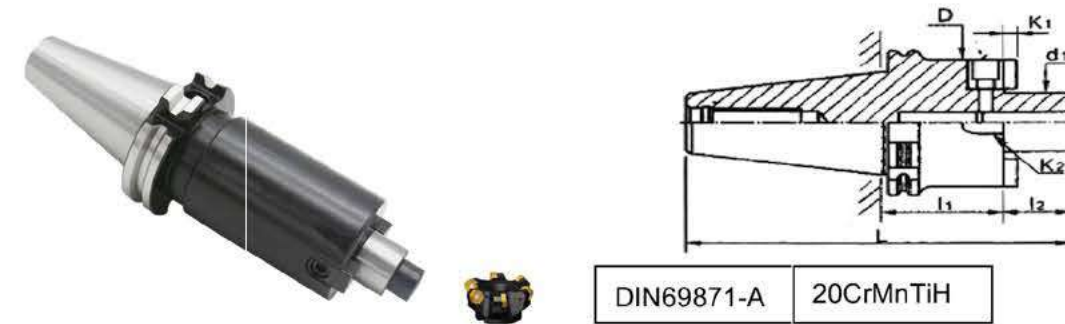
Model	L	L1	C	D
SL20-ER11-60	76.6	16.6	20	16
SL20-ER16-60	86.6	26.6	20	22
SL20-ER20-65	97	32	20	28
SL25-ER16-65	97	32	25	22
SL25-ER20-65	97	32	25	28
SL25-ER25-65	97	32	25	42
SL25-ER25-70	108	38	25	50
SL32-ER16-65	97	32	32	22
SL32-ER20-70	102	32	32	28
SL32-ER25-70	102	32	32	42
SL32-ER32-70	108	38	32	50
SL32-ER40-70	120	50	32	63
SL40-ER32-70	108	38	40	50
SL40-ER40-75	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" I	42
SL1-1/4" -ER32-60	103	60	1-1/4" I	50
SL1-1/4" -ER40-60	120	60	1-1/4" I	63
SL1-1/2" -ER32-80	118	80	1-1/2"	50
SL1-1/2" -ER40-75	135	75	1-1/2" II	63

SK 刀柄 SK Type High-speed & Fine-balanced Tool Holders



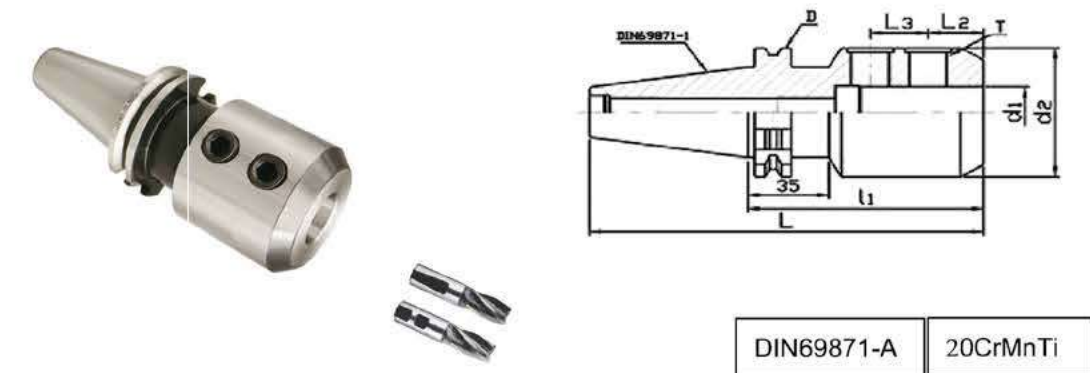
Model	L	L1	D	d1	d2	Thread	KGS
SK30-ER11-100	148.4	80	50	19	11	M6*1P	0.6
SK30-ER16-100	148.4	100		28	16	M10*1.5P	0.7
SK30-ER20-100	148.4	100		34	20	M12*1.75P	0.75
SK40-ER11-80	148.4	80	63.55	19	11	M6*1P	1.05
SK40-ER16-70	138.4	70		28	16	M10*1.5P	1.3
SK40-ER16-100	168.4	100		28	16	M10*1.5PP	1.4
SK40-ER20-100	168.4	100		34	20	M12*1.75P	1.5
SK40-ER25-100	168.4	100		42	25	M16*2P	1.85
SK40-ER25-150	218.4	150		42	25	M16*2P	2.25
SK40-ER32-70	138.4	70		50	32	M16*2P	1.6
SK40-ER32-100	168.4	100		50	32	M16*2P	2
SK40-ER40-70	138.4	70		63	40	M16*2P	1.5
SK40-ER40-100	168.4	100		50	32	M16*2P	2
SK40-ER40-135	203.4	135	63	40	M16*2P	3.3	
SK50-ER16-100	201.4	100	97.5	28	16	M10*1.5P	3.2
SK50-ER16-160	261.75	160		28	16	M10*1.5P	4.5
SK50-ER20-100	201.75	100		34	20	M12*1.75P	3.4
SK50-ER20-160	261.75	160		34	20	M12*1.75P	3.8
SK50-ER25-70	171.75	70		42	25	M16*2P	3.4
SK50-ER25-100	201.75	100		42	25	M16*2P	4.15
SK50-ER25-150	251.75	150		42	25	M16*2P	4.5
SK50-ER32-120	221.75	120		50	32	M16*2	4.6
SK50-ER32-160	261.75	160		50	32	M16*2P	4.75
SK50-ER40-80	181.75	80		63	40	M16*2P	3.65
SK50-ER40-120	221.75	120		63	40	M16*2P	4.8
SK50-ER40-160	261.75	160		63	40	M16*2P	5.2
SK50-ER50-120	221.75	120		78	50	M20*2.5P	5.45
SK50-ER50-160	261.75	160		78	50	M20*2.5P	5.55

SK 套式铣刀杆 SK Shell End Mill Arbors



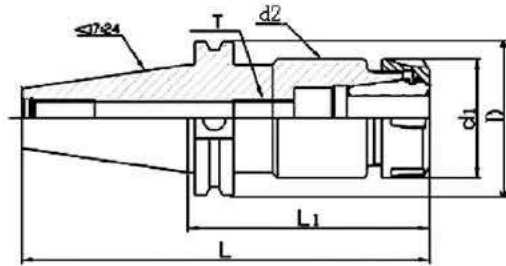
Model	L	l2	l3	d2	d3	k1	k2	KGS
SK30-FMB22-35	100.8	18	14	26	47	4.8	10	1.00
SK30-FMB27-35	102.8	20	16	31.5	58	5.8	12	1.05
SK40-FMB22-35	121.4	18	14	26	47	4.8	10	1.20
SK40-FMB27-60	148.4	20	16	31.5	58	5.8	12	1.8
SK40-FMB32-60	150.4	22	16	41	66	6.8	14	2.3
SK40-FMB40-60	153.4	25	20.5	48	80	8.3	16	2.8
SK50-FMB22-35	154.75	18	14	26	47	4.8	10	3.4
SK50-FMB27-35	156.75	20	16	31.5	58	5.8	12	3.5
SK50-FMB32-35	158.75	22	16	41	66	6.8	14	3.7
SK50-FMB40-50	189.75	25	20.5	48	80	8.3	16	4.7

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



Model	L	l2	l3	L2	d2	T	KGS
SK30-SLN12-50	97.8	50	42	22.5	42	M12 x 1.75P	0.9
SK30-SLN16-63	97.8	63	48	24	48	M14 x 2.0P	1.10
SK40-SLN16-63	131.4	63	48	24	48	M14 x 2.0P	1.4
SK40-SLN20-63	131.4	63	52	25	52	M16 x 2.0P	1.3
SK40-SLN25-100	168.4	100	65	24	65	M18 x 2.0P	2.4
SK40-SLN32-100	168.4	100	72	24	72	M20 x 2.0P	2.7
SK50-SLN20-63	164.75	63	52	25	52	M16 x 2.0P	3.5
SK50-SLN25-80	181.75	80	65	24	65	M18 x 2.0P	4.2
SK50-SLN32-100	201.75	100	72	24	72	M20 x 2.0P	5.0
SK50-SLN40-100	201.75	100	90	30	90	M20 x 2.0P	5.6

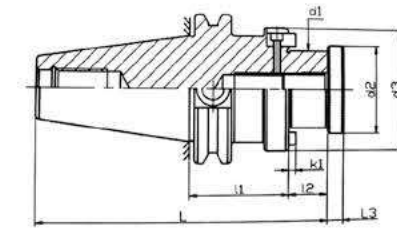
CAT 高速刀柄 CAT Type High-speed & Fine-balanced Tool Holders



ANSI B5.50	20CrMnTi	≤0.005mm	≥12000rpm
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Model	L	L1	D	d1	d2	Thread	KGS
CAT40-ER16-2.76"	5.447"	2.76"	2.5"	1.102"	1.75"	M10*1.5P	1.05
CAT40-ER16-4"	6.687"	4"		1.102"		M10*1.5P	1.35
CAT40-ER16-6"	8.687"	6"		1.102"		M10*1.5P	1.65
CAT40-ER20-2.76"	5.447"	2.76"		1.339"		M12*1.75P	1.25
CAT40-ER20-4"	6.687"	4"		1.339"		M12*1.7P	1.65
CAT40-ER25-2.76"	5.447"	2.76"		1.654"		M16*2P	1.35
CAT40-ER25-4"	6.687"	4"		1.654"		M16*2P	1.70
CAT40-ER25-6"	8.687"	6"		1.65"		M16*2P	2.25
CAT40-ER32-2.76"	5.447"	2.76"		1.969"		M16*2P	1.25
CAT40-ER32-4"	6.687"	4"		1.969"		M16*2P	1.75
CAT40-ER32-5"	8.687"	6"		1.969"		M16*2P	2.15
CAT40-ER40-3.15"	5.837"	3.15"		2.480"		M20*2.5P	1.80
CAT40-ER40-4"	6.687"	4"		2.480"		M20*2.5P	2.05
CAT40-ER40-6"	8.687"	6"		2.480"		M20*2.5P	3.30
CAT40-ER50-4"	6.687"	4"	3.070"	M24*3.0P	2.65		
CAT50-ER16-4"	8"	4"	3.875"	1.102"	2.75"	M10*1.5P	4.10
CAT50-ER16-6"	10"	6"		1.102"		M10*1.5P	4.28
CAT50-ER20-4"	8"	4"		1.339"		M12*1.75P	4.20
CAT50-ER20-6"	10"	6"		1.339"		M12*1.75P	4.45
CAT50-ER25-4"	8"	4"		1.654"		M16*2P	4.15
CAT50-ER25-6"	10"	6"		1.654"		M16*2P	4.50
CAT50-ER32-4"	8"	4"		1.969"		M16*2P	4.70
CAT50-ER32-6"	10"	6"		1.969"		M16*2P	4.60
CAT50-ER40-4"	8"	4"		2.480"		M20*2.5P	4.25
CAT50-ER40-6"	10"	6"		2.480"		M20*2.5P	4.80
CAT50-ER50-4"	8"	4"		3.070"		M24*3P	4.85

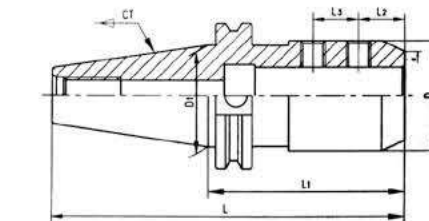
CAT 套式铣刀杆 CAT Shell End Mill Arbors



ANSI B5.50	20CrMnTi	≤0.005mm	≥12000rpm
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Model	L	L2	d1	d3
CAT40-FMB1" -1.75"	1.75"	17.5	1"	60
CAT40-FMB1.25" -2"	2"	17.5	1.25"	70
CAT40-FMB1.5" -2"	2"	23.8	1.5"	85
CAT50-FMB1.25" -4"	4"	17.5	1.25"	70
CAT50-FMB1.25" -6"	6"	17.5	1.25"	70
CAT50-FMB1.5" -4"	4"	23.8	1.5"	85
CAT50-FMB1.5" -6"	6"	23.8	1.5"	85
CAT50-FMB2" -2"	2"	24	2"	95
CAT50-FMB2" -4"	4"	24	2"	95
CAT50-FMB2" -6"	6"	24	2"	95

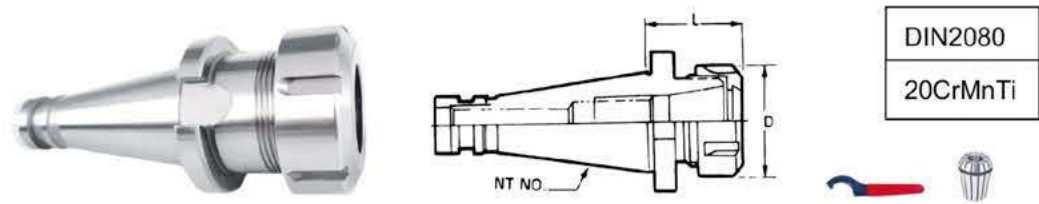
CAT 侧固式立铣刀杆 CAT Side Lock End Mill Arbors



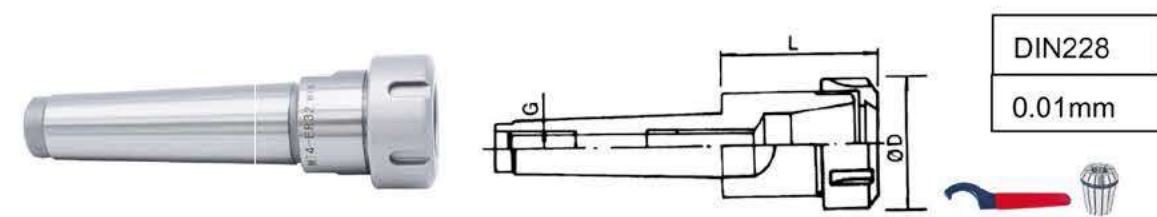
ANSI B5.50

Model	L1	D	d	l2	l3
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"

NT-ER 铣夹头刀柄 NT-ER Collets Holders



MT-ER 刀柄 MT-ER Collets Holders



NT-ER 套装铣夹头 NT-ER Collets Chuck Sets



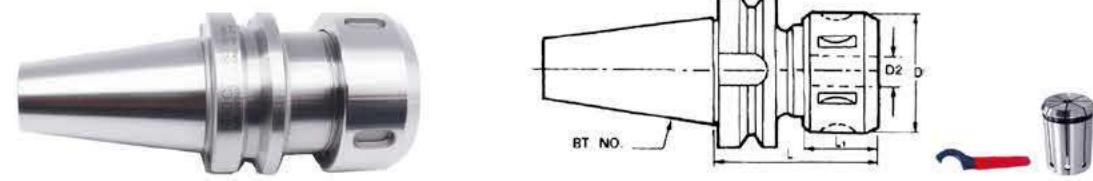
MT-ER 套装铣夹头 MT-ER Collets Chuck Sets



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

Model	Qty. & Clamping	Back Bar Thread	Wt.
MT2-ER16	8PCS(3-10mm)	M10x1.5P	1.0
MT2-ER20	11PCS(3-13mm)		1.2
MT2-ER25	7PCS(6-16mm)		1.3
	15PCS(2-16mm)	2.4	
MT3-ER16	8PCS(3-10mm)	M12x1.75P	1.1
MT3-ER20	11PCS(3-13mm)		1.3
MT3-ER25	7PCS(4-16mm)		2.1
	15PCS(2-16mm)		2.5
MT3-ER32	6PCS(6-20mm)		2.7
	11PCS(4-20mm)		3.0
MT3-ER40	18PCS(3-20mm)		4.1
	7PCS(6-25mm)		4.5
	15PCS(4-26mm)		6.0
MT4-ER32	23PCS(4-26mm)		7.2
	6PCS(6-20mm)	M16x2.0P	2.9
	11PCS(4-20mm)		3.2
MT4-ER40	18PCS(3-20mm)		4.3
	7PCS(6-25mm)		4.6
MT4-ER40	15PCS(4-26mm)		6.1
	23PCS(4-26mm)		7.3
MT50-ER40	7PCS(6-25mm)	M20x2.5P	6.4
	15PCS(4-26mm)		6.9
	23PCS(4-26mm)		8.2

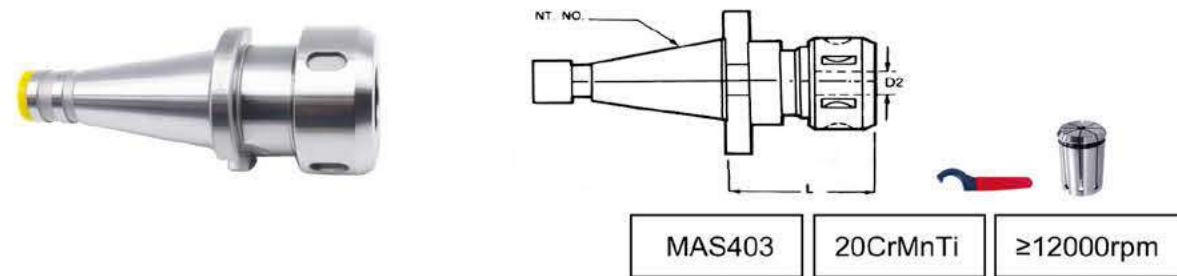
BT-OZ 铣刀柄 BT-OZ Collets Holders



MAS403 20CrMnTi ≥12000rpm

Model	D2	L	D	L1	Collets	Back Bar 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	

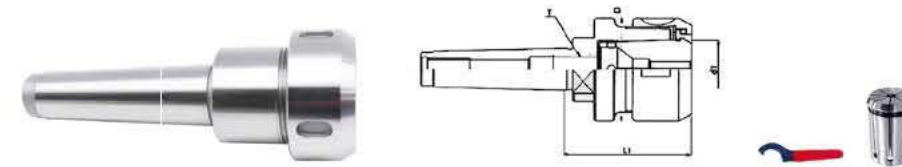
NT-OZ 铣刀柄 NT-OZ Collets Holders



MAS403 20CrMnTi ≥12000rpm

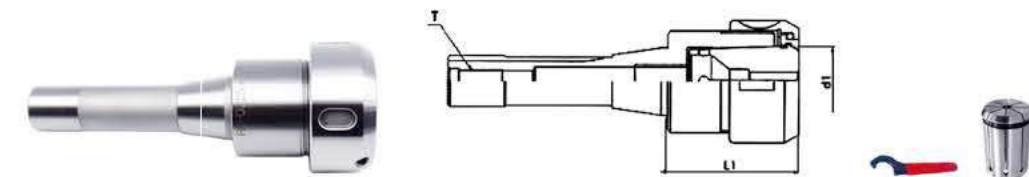
Model	D2	L	Collets	Back Bar Thread
NT30-OZ25-70	3-25	70	OZ25	M12x1.75P
NT30-OZ32-100	6-32	100	OZ32	
NT40-OZ25-70	3-25	70	OZ25	M16x2.0P
NT40-OZ32-70	6-32	70	OZ32	
NT50-OZ25-80	3-25	80	OZ25	M24x3.0P
NT50-OZ32-80	6-32	80	OZ32	

MT-OZ 铣刀柄 MT-OZ Collets Holders



Model	D2	L1	Collets	Back Bar Thread
MT3-OZ25-60	3-25	60	OZ25	M10x1.0P
MT4-OZ25-60	3-25	60	OZ25	M16x2.0P
MT5-OZ25-75	3-25	75	OZ25	M24x3.0P
MT5-OZ32-75	6-32	75	OZ32	

R8-OZ 铣刀柄 R8-OZ Collets Holders



Model	D2	L1	Collets	Back Bar Thread
R8-OZ25-60	3-25	60	OZ25	7/16-20UNF

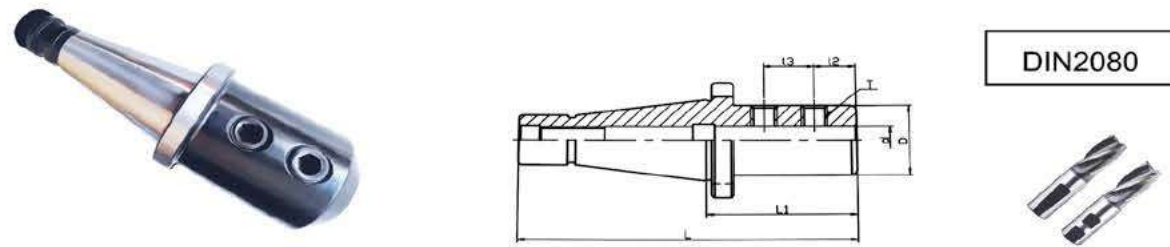
OZ 筒夹套装 OZ Collets Sets



OZ Collets = EOCA

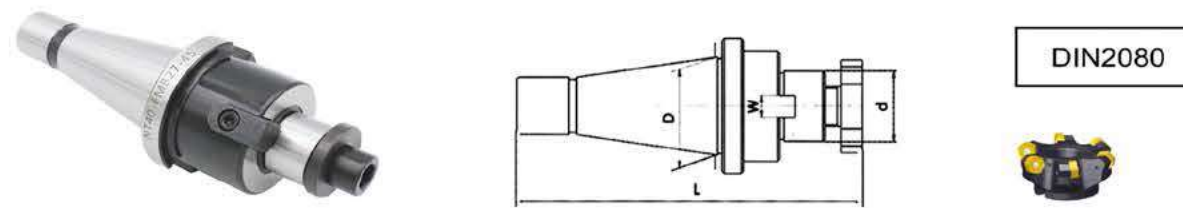
Collets	PCS	Metric		Inch	
		Collets	Back Bar Thread	Collets	Back Bar Thread
OZ25 (EOCA25)	7PCS	6; 8; 10; 12; 16; 20; 25mm	M12x1.75P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1"	M12x1.75P
	15PCS	3; 4; 5; 6; 7; 8; 9; 10; 11; 12; 14; 16; 18; 20; 25mm	M16x2.0P	1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	M16x2.0P
OZ32 (EOCA32)	8PCS	3; 8; 10; 12; 16; 20; 25; 32mm	M24x3.0P	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4"	M24x3.0P
	15PCS	6; 7; 8; 9; 10; 11; 12; 13; 16; 18; 20; 25; 30; 32mm	M24x3.0P	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"	M24x3.0P

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



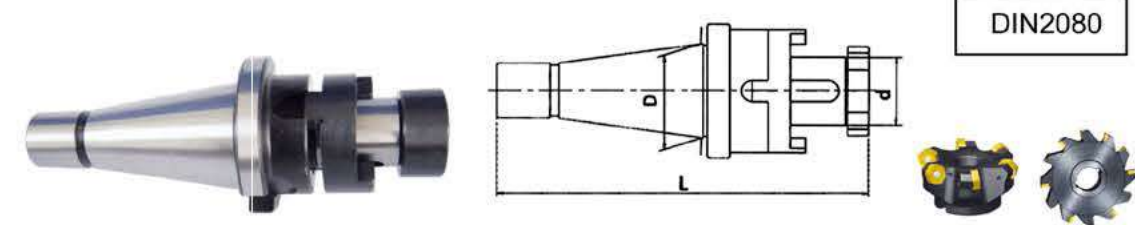
Model	L1	D	d	l2	l3
NT30-SL20-63	63	52	20	25	-
NT30-SL25-80	82	65	25	24	25
NT40-SL20-63	63	52	20	25	-
NT40-SL25-80	80	65	25	24	25
NT40-SL32-80	80	72	32	24	28
NT50-SL25-80	80	65	25	24	25
NT50-SL32-80	80	72	32	24	28
NT50-SL40-100	100	90	40	30	32
NT50-SL42-100	100	90	42	30	32

NT 套式铣刀杆 NT Shell End Mill Arbors



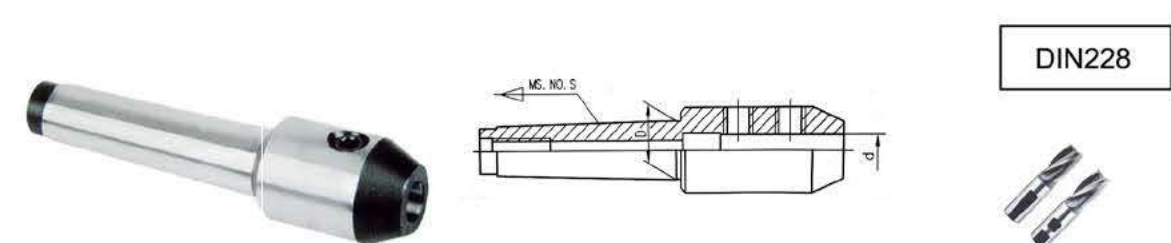
Model	D	d	W	L
NT30-FMB22	31.75	22	10	129
NT30-FMB27		27	12	134
NT40-FMB22	44.45	22	10	156
NT40-FMB27		27	12	159
NT40-FMB32		32	14	178
NT50-FMB22	69.85	22	10	208
NT50-FMB27		27	12	211
NT50-FMB32		32	14	215
NT50-FMB40		40	16	219

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



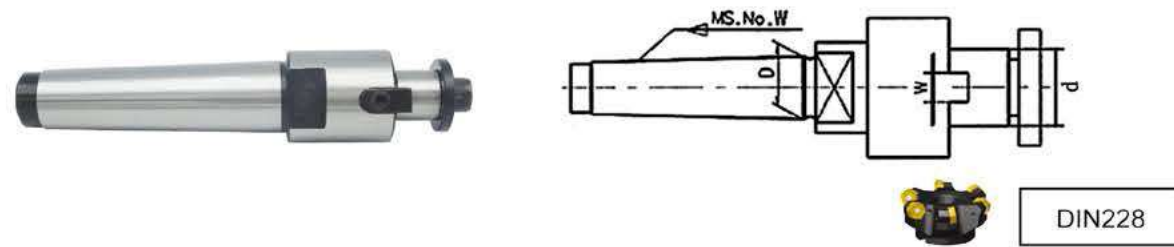
Model	Shank	d	L	Wt.
NT30-13	ISO30	13	120	0.608
NT30-16	ISO30	16	131	0.746
NT30-22	ISO30	22	132	1.038
NT30-27	ISO30	27	135	1.474
NT30-32	ISO30	32	151	2.101
NT40-16	ISO40	16	168	1.3
NT40-22	ISO40	22	171	2.042
NT40-27	ISO40	27	174	2.69
NT40-32	ISO40	32	178	2.679

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



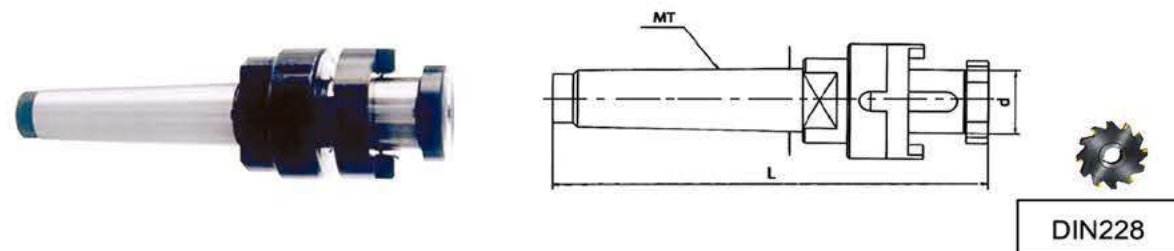
Model	D	d		
		单头, 双头	单夹头(Inch)	双夹头(Inch)
MT2-20	17.780	4-20	3/16" -3/4"	3/8" -3/4
MT3-25	23.825	4-25	3/16" -1"	3/8" -1"
MT4-40	31.267	4-40	3/16" -1-1/2"	3/8" -1-1/2"
MT5-63	44.399	4-63	3/16" -1-1/2"	3/8" -1-1/2"

MT 套式铣刀杆 MT Shell End Mill Arbors



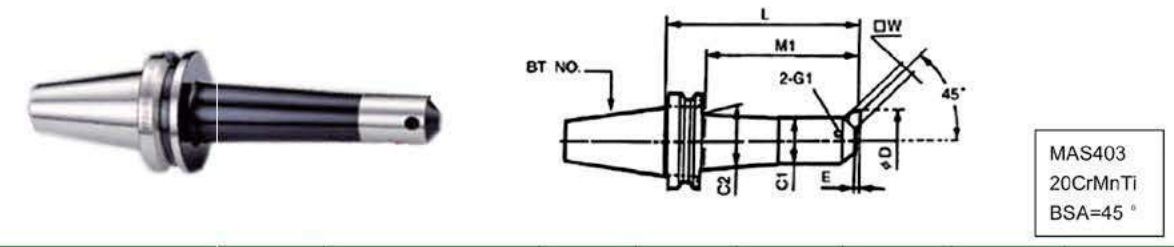
Model	D	d	W
MT3-22	23.825	22	10
MT3-27		27	12
MT3-32		32	14
MT3-40		40	16
MT4-22	31.267	22	10
MT4-27		27	12
MT4-32		32	14
MT4-40		40	16
MT4-50		50	18

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



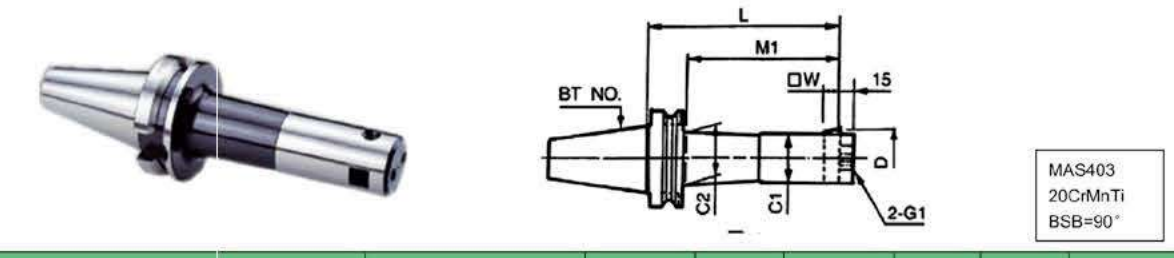
Model	MS.NO	d	L	Wt.
MT3-27	MT3	27	160	0.725
MT3-32	MT3	32	169	0.975
MT4-22	MT4	22	184	0.969
MT4-27	MT4	27	187	1.083
MT4-32	MT4	32	199	1.395
MT4-40	MT4	40	203	1.746
MT5-22	MT5	22	226	2.137
MT5-27	MT5	27	229	2.294
MT5-32	MT5	32	233	2.496
MT5-40	MT5	40	237	2.862
MT5-50	MT5	50	242	2.536

数控粗镗斜角刀柄 BT X BSA Oblique Cutter Boring Bars

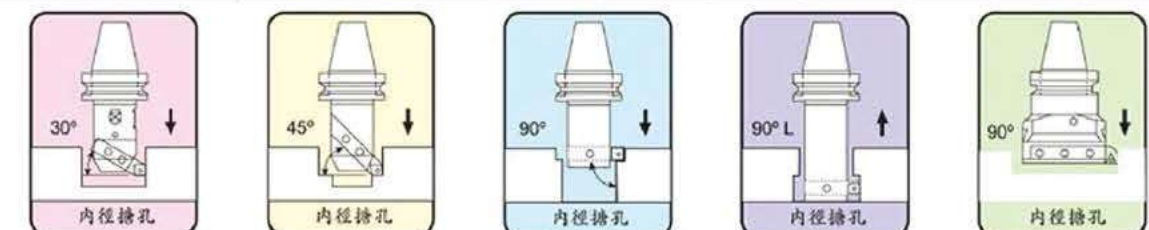


Model	D		C1	C2	M1	H1	W	T
	Max	Min						
BT40-BSA25-120	38	25	20	22	90	35	8	M6
BT40-BSA30-150	42	30	24	26	120	40	8	M6
BT40-BSA38-165	52	38	30	33	135	50	10	M8
BT40-BSA42-165	56	42	34	37	135	50	10	M8
BT50-BSA25-135	38	25	20	22	92	35	8	M6
BT50-BSA30-165	42	30	24	26	122	40	8	M6
BT50-BSA38-180	52	38	30	33	137	50	10	M8
BT50-BSA42-210	56	42	34	37	167	60	10	M8

数控粗镗直角刀柄 BT X BSB Square Cutter Boring Bars



Model	D		C1	C2	M1	H1	W	T
	Max	Min						
BT40-BSB25-120	52	25	20	22	90	35	8	M6
BT40-BSB38-150	70	38	30	33	120	55	10	M8
BT40-BSB50-165	90	50	40	44	135	70	13	M10
BT50-BSB25-135	52	25	20	22	92	35	8	M6
BT50-BSB38-180	70	38	30	32	137	55	10	M8
BT50-BSB50-180	90	50	40	44	137	70	13	M10



F1型粗镗头与镗刀 F1 Rough Boring Heads



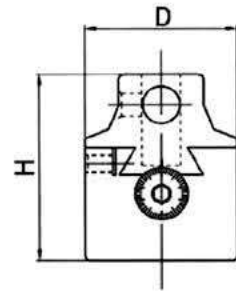
F1-25mm (4")



F1-18mm (3")



F1-12mm (2")



Model	D	H	Max Offset	Boring Bar Dia.	Min Graduation	Dia. of Boring
F1-2"	2"	2-7/16"	5/8"	1/2"	0.01mm	3/8" -5"
F1-3"	3"	3-5/32"	1"	3/4"	0.01mm	1/2" -9"
F1-4"	4"	3-1/2"	1-5/8"	1"	0.01mm	5/8"-25"
F1-12mm	50	63	16mm	12mm	0.01mm	10-125mm
F1-18mm	75	80	25mm	18mm	0.01mm	12-225mm
F1-25mm	100	88	41mm	25mm	0.01mm	15-630mm

F1型镗刀 F1 Rough Boring Cutters



9PCS for 12mm



12PCS for 18mm



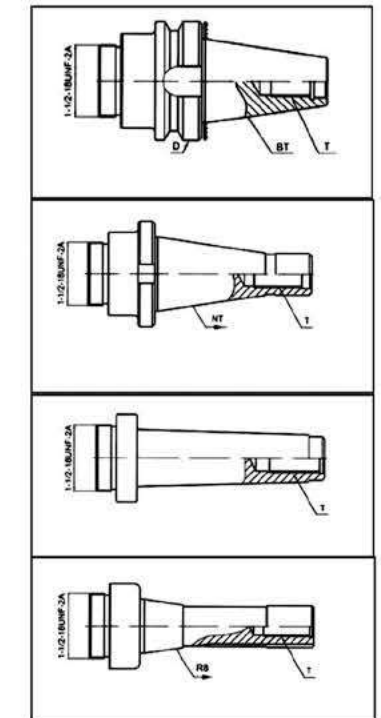
6PCS for 25mm

Dia. of Boring Holes	Metric		Inch		Qty. of Boring Cutters	Bar Thread
	Dia. of Boring Heads	Boring Capacity	Dia. of Boring Heads	Dia. of Boring Heads		
F1-12mm	50mm	10-125mm	F1-2"	1/2"	9PCS	7/8-20 1-1/2-18
F1-18mm	75mm	12-225mm	F1-3"	3/4"	12PCS	1-1/2-18
F1-25mm	100mm	15-320mm	F1-4"	1"	6PCS	1-1/2-18

F1 型镗头连接柄 F1 Rough Boring Heads Shanks



Model	T	L	Wt.
BT40	M16-2.0P	102	1.24
BT50	M24-3.0P	134	3.97
NT30	1/2-UNC	102	0.6
NT30	M12-1.75P	102	0.6
NT40	5/8-UNC	135	1.2
NT40	M16-2.0P	135	1.2
NT50	1" -8UNC	168	3.14
NT50	M24-3.0P	168	3.14
MT2	3/8-16UNC	93	0.4
MT2	M10-1.5P	108	0.4
MT3	3/8-16UNC	110	0.44
MT3	1/2-13UNC	110	0.44
MT3	1/2-12UNC	110	0.44
MT3	M12-1.75P	128	0.44
MT4	5/8-11UNC	133	0.95
MT4	M16-2.0P	154	0.95
MT5	1" -8UNC	160	1.7
MT5	M24-3.0P	185	1.7
R8	7/16-20UNF	132.5	0.6



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



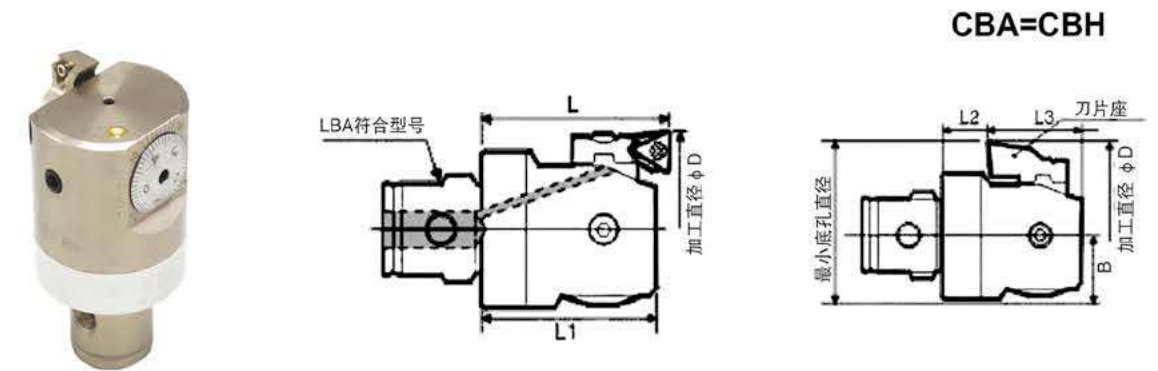
RBH 可调式双刃粗镗头 RBH Indexable Twin-bit Rough Boring Heads



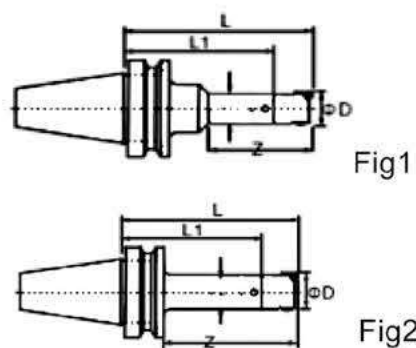
Model	Boring Range	D	L	LBK No.	Insert	Screw	Wrench
RBH25-35LA-C	25-35	24	50	LBK2	CC..0.602	M2.5-6.0 -3.5 -6.0	T8
RBH32-45LA-C	32-45	31	60	LBK3			
RBH32-45LA-T				TC..1.102			
RBH40-55LA-C	40-55	39	74	LBK4	CC..09T3	M4-10-5.7-60	T15
RBH40-55LA-T				TC..16T3	M4-10-5.0-43		
RBH52-75LA-C	52-75	50	80	LBK5	CC..09T3	M4-10-5.7-60	T15
RBH52-75LA-T				TC..16T3	M4-10-5.0-43		
RBH68-100LA-C	68-100	66	90	LBK6	CC..1204	M5-11-7.0-5.5	T20
RBH68-100LA-T					TC..16T3	M4-10-5.0-4.3	T15
RBH90-130LA-C	90-130	88	100	LBK6	CC..1204	M5-11-7.0-5.5	T20
RBH90-130LA-T					TC..16T3	M4-10-5.0-4.3	T15
RBH120-164LA-C	120-164	100	95	BST series	CC..1204	M5-11-7.0-5.5	T20
RBH120-164LA-T					TC..2204		
RBH160-164LA-C	160-204	130	95	BST series	CC..1204	M5-11-7.0-5.5	T20
RBH160-164LA-T					TC..2204		



CBA 微调精镗刀 CBA Micro Finish Boring Heads



Model	Insert seat	Sck. No.	Internal Boring			External Boring				Insert/ Screw/ Wrench
			Range	L	L1	Range	L2	L3	B	
CBA20 (20-36)	ENH1-1	LBK1	20-26	35	32	-	10.5	19	10	TP08
	ENH1-2		25-31			30-31				
	ENH1-3		30-36			30-36				
CBA25 (25-47)	ENH2-1	LBK2	25-33	40	37	-	11.5	21	12.5	TP08
	ENH2-2		32-40			36-40				
	ENH2-3		39-47			39-47				
CBA32 (32-60)	ENH3-1	LBK3	32-42	40	37	-	10	25	16	TP08
	ENH3-2		41-51			46-51				
	ENH3-3		50-60			50-60				
CBA40 (40-79)	ENH4-1	LBK4	40-55	50	47	-	14	29	20	TC11
	ENH4-2		51-66			53-63				
	ENH4-3		64-79			64-79				
CBA52 (52-112)	ENH5-1	LBK5	52-75	60	56	62-70	19	34	25.5	TC11
	ENH5-2		70-93			65-82				TC11
	ENH5-3		89-112			78-95				TC11
CBA68 (68-150)	ENH6-1	LBK6	68-100	70	66	80-100	22	45.2	32.5	TC11
	ENH6-2		94-125			94-126				TC11
	ENH6-3		118-150			118-150				TC11
CBA100 (100-203)	ENH6-1	LBK6	100-153	70	66	112-153	22	45.2	45.5	TC11
	ENH6-2		126-179			126-179				TC11
	ENH6-3		150-203			150-203				TC11
CBA150 (150-210)		LBK6/ BST	150-210	70	66	150-203	38	45.2	45.5	TC11

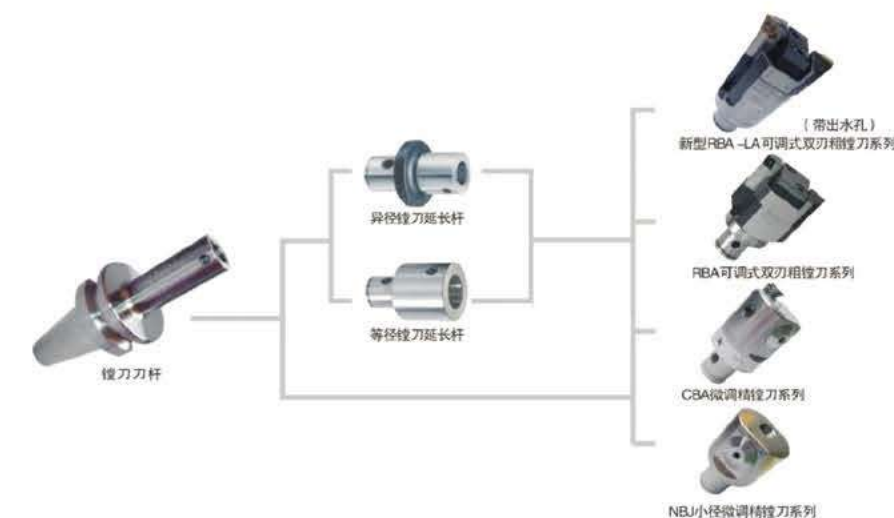


MAS403
20CrMnTi

Combination		Height Z	Range ØD	Fig.	L	L1	Ø D1	Wt.
LBA 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		130	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	64	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	64	5.5	
BT40-LBK6-115		150		185	115	6.9		
BT40-LBK6-165		200		235	165	8.1		

Combination		Height Z	Range ØD	Fig.	L	L1	Ø 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		25		300	240	7.2		
BT50-LBK5-300		255		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		15.5	
BT50-LBK6-350		375		420	350		90/64	13.2

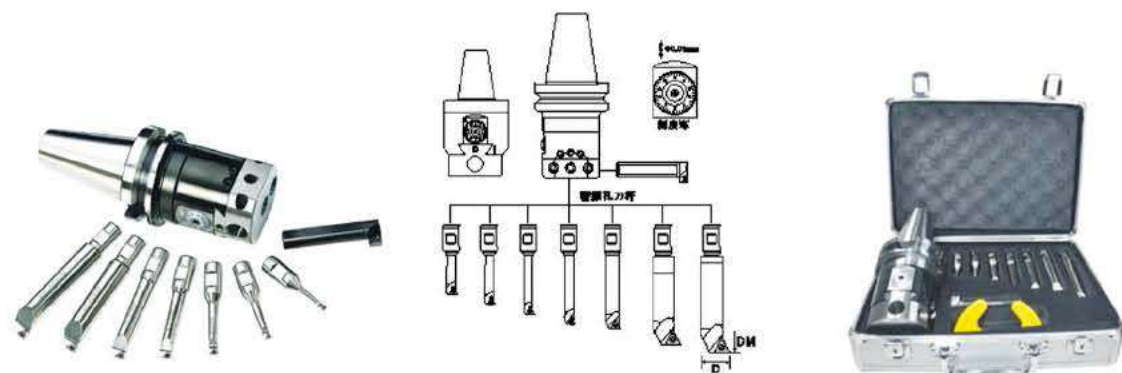
LBA系列



NBH系列



NBH 微调精镗头套装 NBH Micro Boring Head Sets

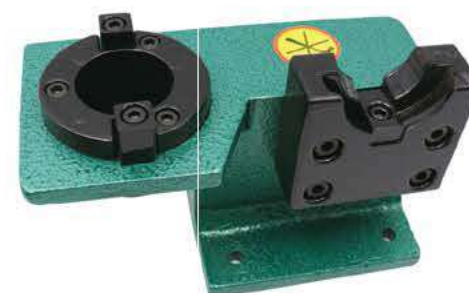


Model	Boring Range	Type	Wt.
BT30-NBH2084-8PCS	08-280	M12-1.75P	8.0
BT40-NBH2084-8PCS	08-280	M16-2.0P	9.5
BT50-NBH2084-8PCS	08-280	M24-3.0P	12.0
R8-NBH2084-8PCS	08-280	7/16" -20UNC	10.0
NT30-NBH2084-8PCS	08-280	1/2" -12UNC	8.0
NT30-NBH2084-8PCS	08-280	M12-1.75P	8.0
NT40-NBH2084-8PCS	08-280	5/8" -11UNC	9.5
NT40-NBH2084-8PCS	08-280	M16-2.0P	9.5
NT50-NBH2084-8PCS	08-280	1" -8UNC	10.8
NT50-NBH2084-8PCS	08-280	M24-3.0P	10.8
MT3-NBH2084-8PCS	08-280	M12-1.75P	7.8
MT4-NBH2084-8PCS	08-280	M16-2.0P	10.3
MT5-NBH2084-8PCS	08-280	M24-3.0P	10.8
MT3-NBH2084-8PCS	08-280	TANG	7.8
MT4-NBH2084-8PCS	08-280	TANG	10.3
MT5-NBH2084-8PCS	08-280	TANG	10.8
20-NBH2084-8PCS	08-280	20-60	7.9
25-NBH2084-8PCS	08-280	25-60	8.0
32-NBH2084-8PCS	08-280	32-60	8.1



锁刀座 Tool Holder Devices

立卧两用锁刀座



MODEL	适合刀柄
HV-BT30	MAS403-BT30
HV-BT40	MAS403-BT40
HV-BT50	MAS403-BT50

轴承式锁刀座



MODEL	适合刀柄
BD-BT30	NBT30/BT30
BD-BT40	HSK40A/E
BD-BT50	HSK50A/E
BD-BT63	HSK63A/E NBT40/BT40

CNC工具车 CNC Tooling Trolleys



名称(Name): 组合式刀具车 **Combine CNC Tooling Trolleys**
 型号(Model No.): **ZHC-301-2** 规格(Size): **W810×D500×H920**

刀柄位 (Holes for Tool Holders):

A: 48PCS @ BT30 B: 48PCS @ BT40 C: 40PCS @ BT50

用途: 配套数控铣床或数控加工中心 存放刀柄、刀杆、刀具等。

Usage: Storage racks for CNC Tool Holders beside
CNC machines or Machine centers.

优势: 避免刀柄之间的碰撞, 保持刀具的精密度, 稳定产品质量。

Advantage: Avoid any collision among Tool Holders, then
keep their precision and stable the quality.



名称(Name): 数控多用刀具车 **Multi-purpose CNC Tooling Trolleys**
 型号(Model No.): **DYC-303-3A** 规格(Size): **W1100×D500×H1040+500**

刀柄位 (Holes for Tool Holders):

A: 48PCS @ BT30 B: 27PCS @ BT40 C: 27PCS @ BT50

用途: 数控铣床或数控加工中心存放刀柄、刀杆、刀具等。

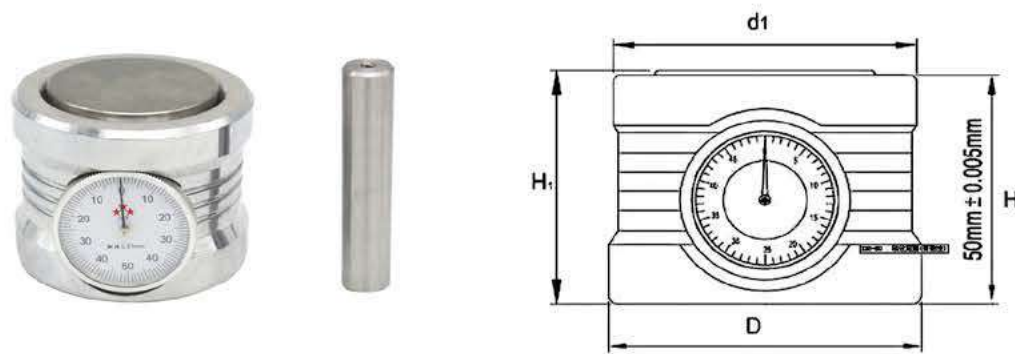
Usage: Storage racks for CNC Tool Holders beside
CNC machines or Machine centers.

优势: 避免刀柄之间的碰撞, 保持刀具的精密度, 稳定产品质量。

Advantage: Avoid any collision among Tool Holders, then
keep their precision and stable the quality.

Any other sizes can be made as ordered. 其它规格可按需求定做。

量表式z轴设定议(磁性) Z-Axis Scale Zero Setters with Magnetic



Model	Pattern	Gross Attitude
ZDI-50A	Volume-adjusting	50

特点:

1. 在计算机铣床/车床上设定刀长用
2. 测量高度: 50.00±0.01mm
3. 量侧面大, 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。

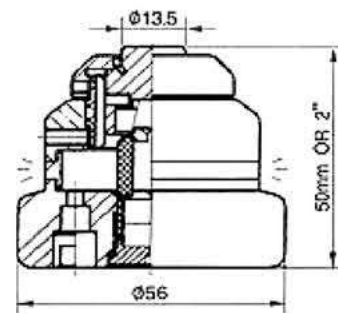
Features:

1. Used in the computer milling machine/lathe for the tool length.
2. Height: 50.00±0.01mm
3. Large measuring surface. Easy to use
4. Low force spring, avoiding the fracture of small cutter and drill.
5. Easy to be calibrated by a grade parallel or gauge block
6. Better parallelism, sensitivity, and precision for use.

光电式 z 轴设定议 Z-Axis Scale Zero Setters with Electro-optical



Model: ZOP-50



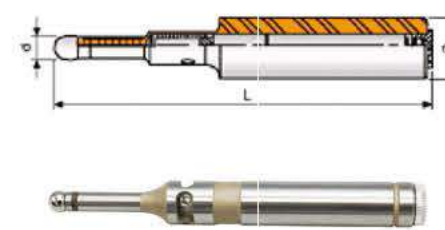
特性:

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

Features:

1. Height: 50mm.
2. With magnetic base.
3. The red lamp will be lighted up when touched.
4. Accuracy: 0.005mm.
5. Combined vertical and horizontal in a unit.
6. Weight: 0.5kgs.

光电寻边器 Edge Finders with Sound & Lamp



Model	D(mm)	L(mm)	D(mm)	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。

特点:

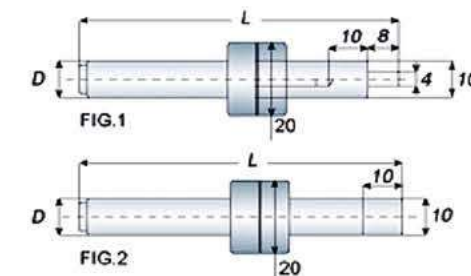
1. 不需要回转测量
2. 迅速的探求工作位置。
3. 对于铣床、端床、及其他机械设备, 都能有效节省寻找位置所需时间。
4. 可应用于端边, 表面及内、外径之高效率测量。
5. 当钢珠脱离时, 有一个安全弹簧可精确的将其拉回原位置。
6. 精度: 0.003 - 0.005mm 之间。

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

Features:

1. Not necessary to rotate while measuring.
2. Quickly locate work edges
3. Save time to find positions for milling machine, jig borers, and other machine tools.
4. The scope of application includes edge surface, inside and outside diameters and high efficiency.
5. There is a safety spring which puts the ball precisely back to the positing when ball breaks away from ball seat.
6. Accuracy: 0.003 - 0.005mm.

机械寻边器 Machine Edge Finders



Model	D(mm)	L1	Fig
PM10-A	10	90	1
PM10-B	10	83	2

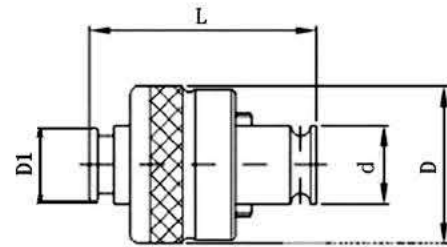
特性:

1. 为圆形或扁平的工作快速和容易的位置机械寻边器
2. 由优质钢制造
3. 同心度 0.005mm

Features:

1. Mechanical edge finder for quick and easy location of round or flat work.
2. Material: High quality steel
3. Accuracy of zero point to point is within 0.005mm.

丝锥夹头 Tapping Collets

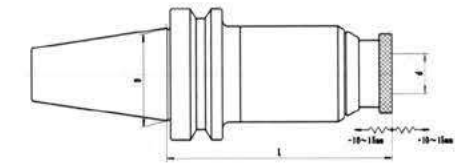


Model	Capacity	d	D	D1(ISO)	W(ISO)	D1(JIS)	W(JIS)	L	Model
GT12	-3 M3	19	38	3.15	2.5	4	3.2	54	7PCS/ 9PCS (3-16mm) Small
	-4 M4			4	3	5	4		
	-5 M5			5	4	5.5	4.5		
	-6 M6			6.3	5	6	4.5		
	-8 M8			6.3	5	6.2	5		
	-10 M10			8	6.3	7	5.5		
	-12 M12			9	7.1	8.5	6.5		
GT24	-12 M12	30	58	9	7.1	8.5	6.5	79.5	7PCS (5-30mm) Middle
	-14 M14			11.2	9	10.5	8		
	-16 M16			12.5	10	12.5	10		
	-18 M18			14	11.2	14	11		
	-20 M20			14	11.2	15	12		
	-22 M22			16	12.5	17	13		
GT42	-24 M24	45	85	18	14.05	19	15	117	Large
	-27 M27			20	16.05	21	17		
	-30 M30			20	16.05	23	17		
	-33 M33			22.4	18.05				
	-36 M36			25	20.05				
	-39 M39			28	22.45				
-42 M42	28	22.45							

*With Function of over-loading protection. 带过载保护功能。

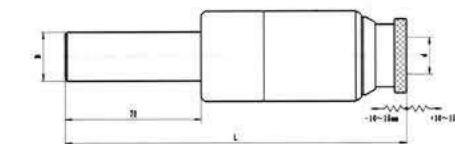


BT快换丝攻夹头柄体 BT Quick Change Tapping Chuck Adapter



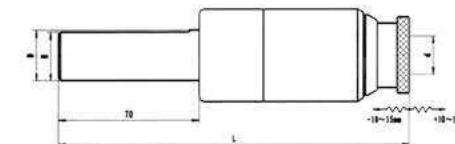
Model	Capacity	D	d	L	适用夹头
BT30-GT12	M3-M16	φ 31.75	φ 19	125	GT12 GT12B TC312 G3
BT40-GT12	M3-M16	φ 44.45	φ 19	110	GT12 GT12B TC312 G3
BT40-GT24	M5-M30	φ 44.45	φ 30	130	GT24 GT24B G12
BT40-TC820	M5-M24	φ 44.45	φ 31	130	TC820
BT50-GT12	M3-M16	φ 69.85	φ 19	110	GT12 GT12B TC312 G3
BT50-GT24	M5-M30	φ 69.85	φ 30	120	GT24 GT24B G12
BT50-TC820	M5-M24	φ 69.85	φ 31	130	TC820

直柄快换丝攻夹头柄体 Straight Quick Change Tapping Chuck Adapter



Model	Capacity	D	d	L	适用夹头
D20-GT12	M3-M16	φ 20	φ 19	175	GT12 GT12B TC312 G3
D25-GT12	M3-M16	φ 25	φ 19	175	GT12 GT12B TC312 G3
D32-GT12	M3-M16	φ 32	φ 19	175	GT12 GT12B TC312 G3
D25-GT24	M5-M30	φ 25	φ 30	190	GT24 GT24B G12
D32-GT24	M5-M30	φ 32	φ 30	190	GT24 GT24B G12

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



Model	Capacity	D	H	d	L	适用夹头
D20-GT12	M3-M16	φ 20	φ 19	φ 19	175	GT12 GT12B TC312 G3
D25-GT12	M3-M16	φ 25	φ 24	φ 19	175	GT12 GT12B TC312 G3
D32-GT12	M3-M16	φ 32	φ 41	φ 19	175	GT12 GT12B TC312 G3
D25-GT24	M5-M30	φ 25	φ 24	φ 30	190	GT24 GT24B G12
D32-GT24	M5-M30	φ 32	φ 31	φ 30	190	GT24 GT24B G12

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



Model	Capacity	D	d	L	适用夹头
MT2-GT12	M3-M16	φ 17.780	φ 19	110	GT12 GT12B TC312 G3
MT3-GT12	M3-M16	φ 23.825	φ 19	110	GT12 GT12B TC312 G3
MT4-GT12	M3-M16	φ 31.267	φ 19	110	GT12 GT12B TC312 G3
MT3-GT24	M5-M30	φ 23.825	φ 30	130	GT24 GT24B G11
MT4-GT24	M5-M30	φ 31.267	φ 30	130	GT24 GT24B G12
MT5-GT24	M5-M30	φ 44.399	φ 30	13	GT24 GT24B G12

快换式丝攻夹头柄体 Quick Change Tapping Chuck Adapters



Model	Capacity	d	d1	D	L	X	适用夹头
B12-GT12	M3-M16	φ 12.065	φ 19	φ 34	60	B12	GT12 GT12B TC312 G3
B16-GT12	M3-M16	φ 15.733	φ 19	φ 34	65	B16	GT12 GT12B TC312 G3
B18-GT12	M3-M16	φ 17.780	φ 19	φ 34	73	B18	GT12 GT12B TC312 G3
JT6-GT12	M3-M16	φ 17.17	φ 19	φ 34	65	JT6	GT12 GT12B TC312 G3
φ 14-GT12	M3-M16	φ 14	φ 19	φ 34	70		GT12 GT12B TC312 G3
φ 16-GT12	M3-M16	φ 16	φ 19	φ 34	73		GT12 GT12B TC312 G3
B16-GT24	M5-M30	φ 15.733	φ 30	φ 51	76	B16	GT24 GT24B G12
B18-GT24	M5-M30	φ 17.780	φ 30	φ 51	84	B18	GT24 GT24B G12
B24-GT24	M5-M30	φ 23.825	φ 30	φ 51	101	B24	GT24 GT24B G12
J16-GT24	M5-M30	φ 17.17	φ 30	φ 51	76	JT6	GT24 GT24B G12
φ 20-GT24	M5-M30	φ 20	φ 30	φ 51	84		GT24 GT24B G12
B18-TC820	M12-M24	φ 17.780	φ 31	φ 51	88	B18	TC820

攻丝转接头 Taping Chuck Reducers



Model	D	d	D1	L	H	适用夹头
GT42→GT24	φ 45	φ 30	69	57	20	GT24 GT24B G12
GT24→GT12	φ 30	φ 19	48	36	12	GT12 GT12B TC312
TC1433→TC820	φ 48	φ 31	69	63	24	TC820
TC820→TC312	φ 31	φ 19	41	41	16	GT12 GT12B TC312

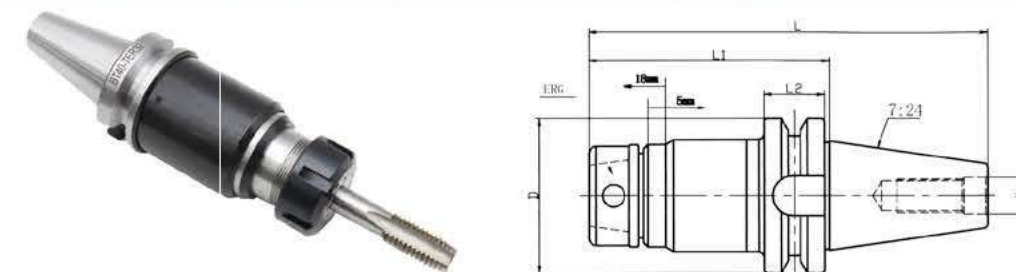
攻丝夹头套装 Tapping Collets Chuck Sets



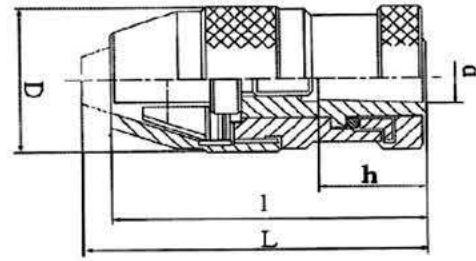
Model	Sizes of Collets	
MT3/4/5-GT12-7PCS	GT12	M3, M4, M5, M6, M8, M10, M12
NT30/40/50-GT12-7PCS		
BT30/40/50-GT12-7PCS		
MT3/4/5-GT24-7PCS	GT24	M12, M14, M16, M18, M20, M22, M24
NT30/40/50-GT24-7PCS		
BT40/50-GT24-7PCS		
MT3/4/5-GT42-7PCS	GT42	M24, M27, M30, M33, M36, M39, M42
NT30/40/50-GT42-7PCS	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

Please state the detailed size when ordering. e.g.: BT40-GT24 / 7PCS.

刚性伸缩攻牙柄体 Rigid Telescopic Tapping Shanks



Model	Gripl range	D	L	L1	L2	T	COLLET
BT30-TER16	M3-M10	46	149	100.6	20	M12	ER16G
BT30-TERP20	M3-M17	46	151	102.6	20	M12	ER20G
BT30-TER25	M3-M22	46	153	104.6	20	M12	ER25G
BT30TER32	M3-M27	46	156	107.6	20	M12	ER32G
BT40-TER16	M3-M10	65	161	95.6	25	M16	ER16G
BT40-TER20	M3-M17	65	163	97.6	25	M16	ER20G
BT40-TER25	M3-M22	65	165	99.6	25	M16	ER25G
BT40-TER32	M3-M27	65	168	102.6	25	M16	ER32G
BT50-TER16	M3-M10	100	207	105.2	35	M24	ER16G
BT50-TER20	M3-M17	100	209	107.2	35	M24	ER20G
BT50-TER25	M3-M22	100	211	109.2	35	M24	ER25G
BT50-TER32	M3-M27	100	214	112.2	35	M24	ER32G



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

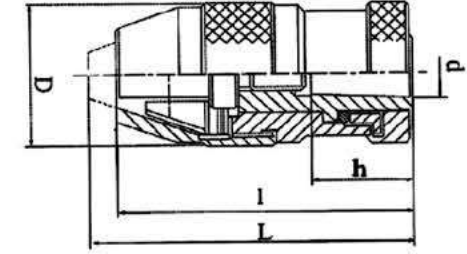
C45S20

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

Model	Capacity	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



Above 6 kinds of types with different costs for choice. 上面六款不同外观与成本供选择。



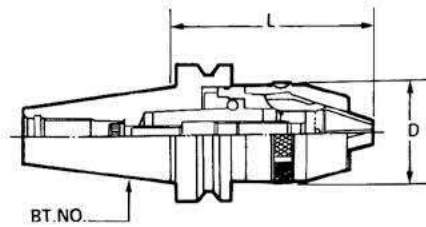
螺纹孔自紧式钻夹头 Thread mounted Keyless Drill Chucks

Model	Capacity	Thread	h	D	L	I	
J0306	1/64" -1/4"	0.5-6	3/8" -24UNF	14	35	67	61
J0308	1/64" -5/16"	0.5-8	3/8" -24UNF	14	42	86	78
J0310A	1/32" -3/8"	1-10	3/8" -24UNF	14	42	86	78
J0310B	1/32" -3/8"	1-10	1/2" -20UNF	16	42	86	78
J0313A	1/32" -1/2"	1-13	1/2" -20UNF	16	44	90	81
J0313B	1/32" -1/2"	1-13	3/8" -24UNF	14	44	90	81
J0316A	1/8" -5/8"	3-16	1/2" -20UNF	16	48	102	92
J0316C	1/8" -5/8"	3-16	5/8" -16UNF	18	48	102	92

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



数控一体式钻夹头 CNC Integrated Drill Chucks



MAS403

≤0.015

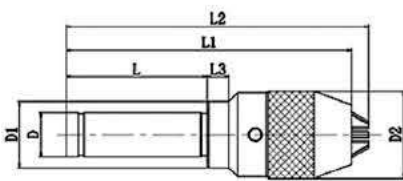
Tool steel



Model	Clamping range	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

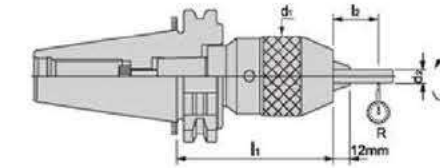
莫氏，直柄与R8整体式自紧钻夹头

Integrated keyless Drill Chucks with Morse Taper, Straight or R8 Shanks



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

SK 一体式钻夹头 SK Integrated Keyless Drill Chucks

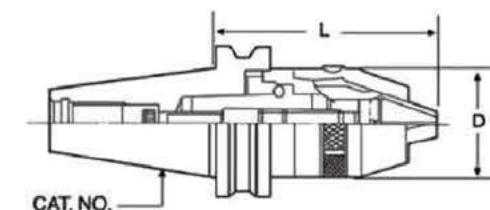


DIN69871-A
20CrMnTi



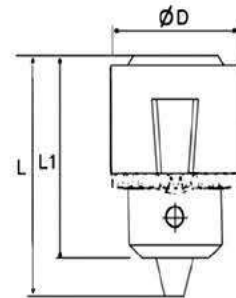
Model	l1	l2	d1	d2	R	Range		KGS
						mm	inch	
SK30-APU08-80	80	55	37	6	0.4	1-8	1/24-5/16	0.60
SK30-APU13-120	120	75	50	13		1-13	1/24-1/2	1.45
SK30-APU16-120	120	75	57	16		3-16	1/8-5/8	1.78
SK40-APU8-75	75	55	37	6	0.4	1-8	1/24-5/16	1.32
SK40-APU13-100	100	75	50	13		1-13	1/24-1/2	1.92
SK40-APU16-115	115	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	Clamping Range		D		L			
	(Φ mm)	(Φ inch)	(mm)	(inch)	Minimum		Maximum	
					(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"

不锈钢钻夹头 Stainless Steel Drill Chucks



Material: 3Cr13

Capacity	Connecting Hole	D	L	L1
0.3-4	JT0; 3/8" -24UNF	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

Features:

- High precision threaded or tapered tightly mounts on the tools.
高精度螺纹或锥形紧密的安装的工具上
- Jaw are specifically engineered for tight tolerance on drilling. 卡爪特别加工, 可降低夹紧误差
- Suitable for super electrical grinders, engraving machines, precision machine lathes & medical equipments.
适用于超电机, 雕刻机, 精密车床及医疗设备



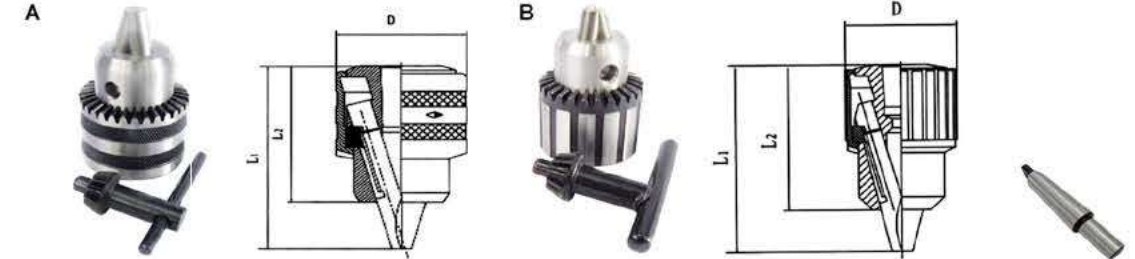
Carbon Steel

Remarks: 4mm-JT0 can be made from carbon steel for engraving machines.

注: 也可提供碳钢钻夹头 4mm-JT0, 适用于雕刻机上。

扳手型锥孔钻夹头 Key-type Drill Chucks with taper fitting

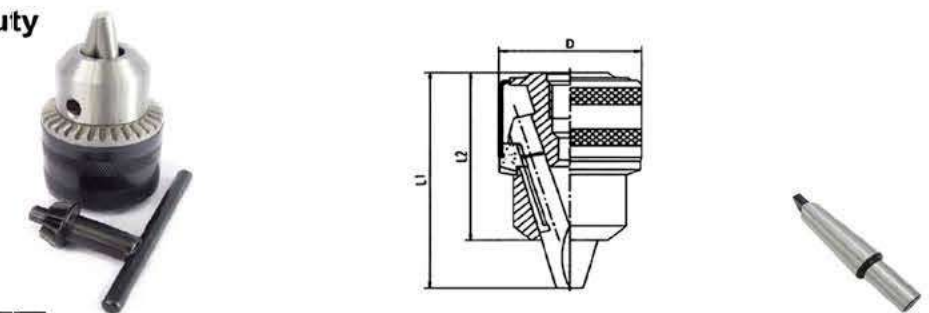
重型 Heavy Duty



C45S20 ≤0.20mm

Model	Capacity	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	3-16	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

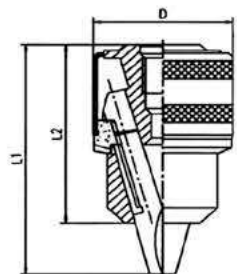
轻型 Light Duty



C45S20 ≤0.25mm

Model	Capacity	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

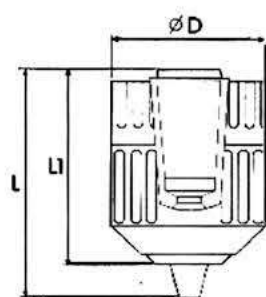
扳手型螺纹孔钻夹头 Key-type Drill Chucks with Thread mounted



C45S20
≤0.30

Model	Capacity	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

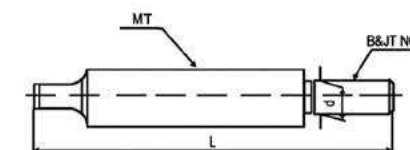
手紧式钻夹头 Keyless Hand-tightening Drill Chucks



PA6-30G
≤0.30

Model	Capacity	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

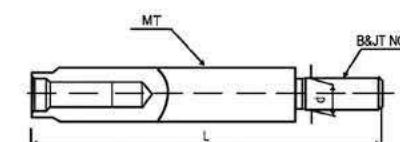
扁尾式接杆 Drill Chuck Arbors with Tang Form



DIN238A
C45
≥85%

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

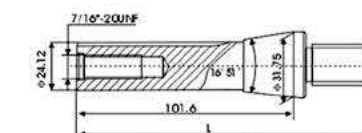
后拉式接杆 Drill Chuck Arbors with Draw Bar



DIN228
C45
≥85%

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

R8 钻接杆 R8 Drill Chuck Arbors



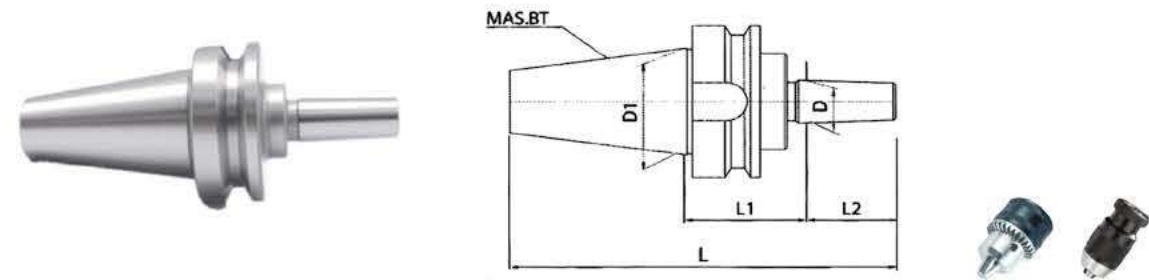
≥85%
C45

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

Remarks: Back Bar thread at Metric of M12*1.25P and Inch of 7/16-20unf for your choice.

注: R8 后尾内孔可做公英制两种螺纹供选择。

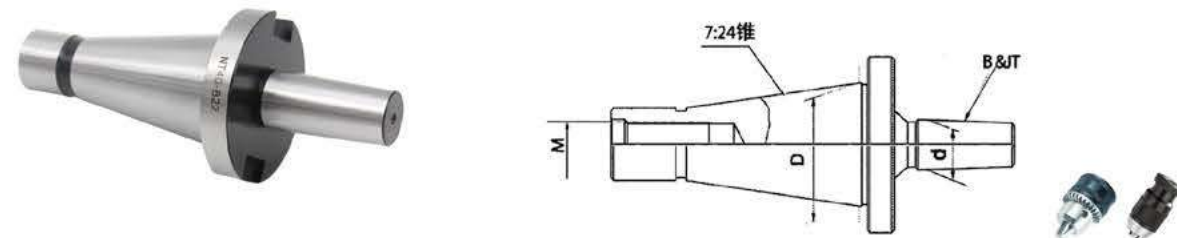
BT 钻夹头接杆 BT Drill Chuck Arbors



MAS403 20CrMnTi ≥85%

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-J33-45	25.4	135.8	15.850	44.45	M16

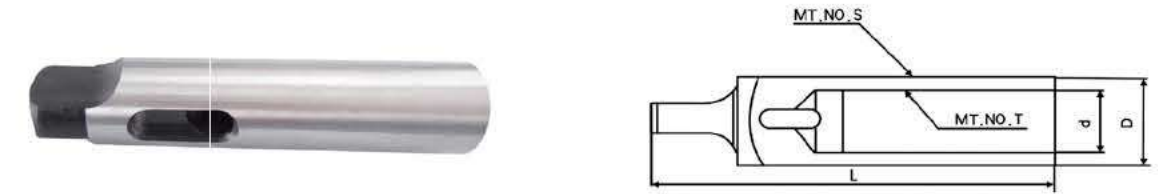
NT 钻夹头接杆 NT Drill Chuck Arbors



DIN208 20CrMnTi ≥85%

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

MT 变径套 MT Drill Sleeves



DIN2185 C45 ≥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	17.78	108	0.12
MT4-2	4	2	31.6	17.780	124	0.50
MT4-3	4	3	32.4	23.825	132	0.38
MT5-3	5	3	44.7	23.825	156	1.36
MT5-4	5	4	45.5	31.267	164	0.95
MT6-4	6	4	63.8	31.267	218	3.12
MT6-5	6	5	63.8	44.399	218	1.95

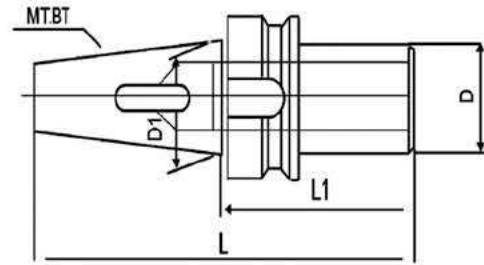
加长变径套 Extension Drill Sleeves



DIN2187 C45 ≥85%

Model	MT.No.S	MT.No.T	D	d	L	Wt.
MT3-2	3	2	30	17.780	194	0.62
MT3-3	3	3	36	23.825	215	0.89
MT3-4	3	4	48	31.267	240	1.55
MT3-5	3	5	63	44.399	275	2.80
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	6.50

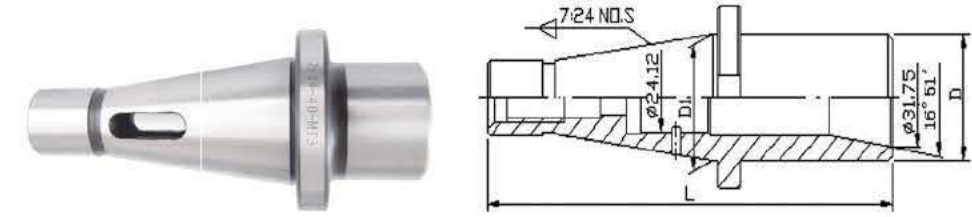
BT × MT 变径套 BT × MT Adapt Sleeves



MAS403
20CrMnTi
≥85%

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-MT2-120	185.4	32	44.45
BT40-MT3-70	135.4	40	44.45
BT40-MT3-75	140.4	40	44.45
BT40-MT4-90	155.4	48	44.45
BT40-MT4-95	160.4	48	44.45
BT40-MT4-135	200.4	48	44.45
BT40-MT4-98	180.8	48	57.15
BT50-MT2-45	146.8	25	69.85
BT50-MT3-65	166.8	40	69.85
BT50-MT3-75	176.8	40	69.85
BT50-MT3-120	221.8	40	69.85
BT50-MT3-135	236.8	40	69.85
BT50-MT3-150	251.8	40	69.85
BT50-MT4-85	186.8	48	69.85
BT50-MT4-95	196.8	48	69.85

NT × MT 变径套 NT × MT Adapt Sleeves



DIN2080
20CrMnTi
≥85%

Model	7:24.No.S	D	d	D	1L
NT30-MT2	NT30	32	17.780	31.75	118
NT30-MT3	NT30	40	23.825	31.75	138
NT40-MT2	NT40	32	17.780	44.45	143
NT40-MT3	NT40	40	23.825	44.45	158
NT40-MT4	NT40	48	31.267	44.45	186
NT50-MT3	NT50	40	23.825	69.85	192
NT50-MT4	NT50	48	31.267	69.85	197
NT50-MT5	NT50	61	44.399	69.85	232

拆卸铁 Drill Drafts



DIN 317
C45

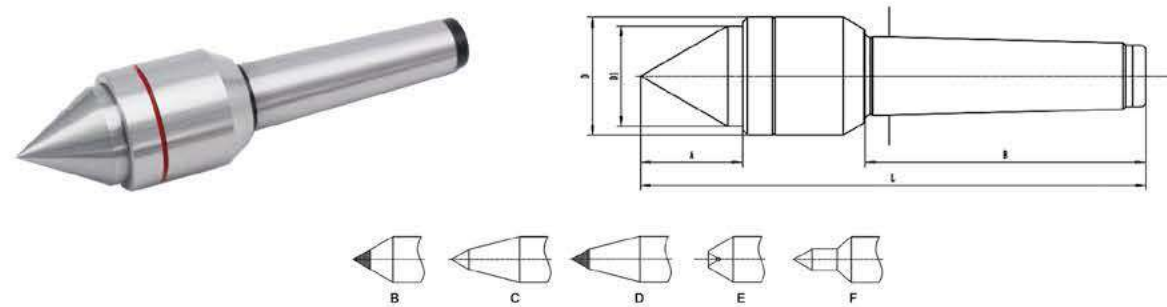
Model	MS.NO	L
DIN317 / 0	0	90
DIN317 / 1-2	1-2	140
DIN317 / 3	3	190
DIN317 / 4	4	225
DIN317 / 5-6	5-6	265

半自动拆卸铁 Half Automatic Morse Shank Pullers



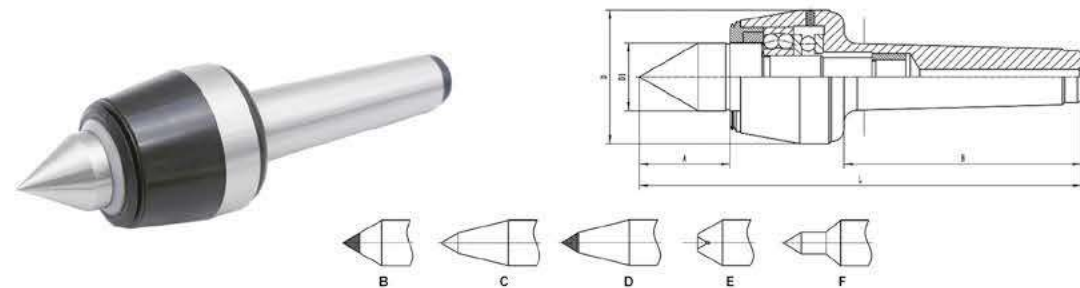
Model	MS.No	L
DIN318 / 1-3	1-3	317
DIN318 / 4-6	4-6	380

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



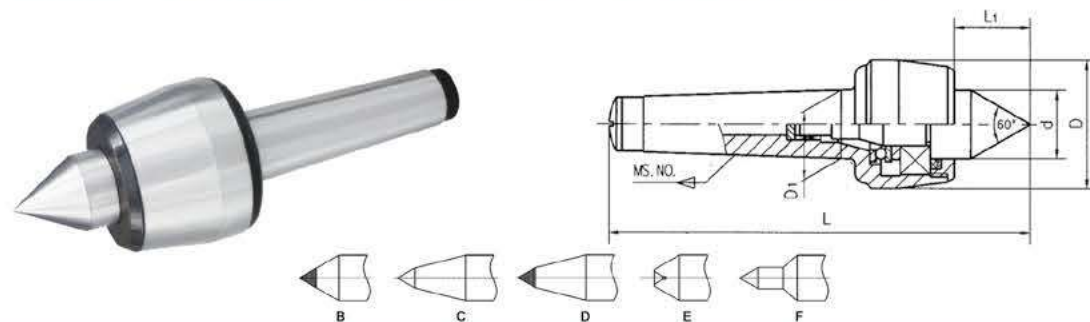
Model	A	B	C	D	D1	d	L	Max speed
MT2A	28	35	69	32	32	-	132	5000
MT3A	36	44	86	41	41	-	166	3500
MT4A	41	51	108	47	47	-	200	3000
MT5A	54	72	136	65	65	-	262	2000

高速防水回转顶尖 High Speed Live Centers with water proof



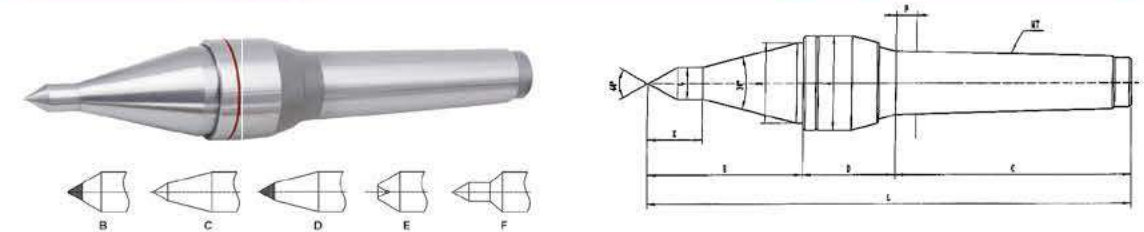
Model	A	B	C	D	D1	L	Max speed
MT3A	39	55	86	53	30	180	5000
MT4A	42	62	108	63	32	208	4500
MT5A	49	71	136	83	40	256	3500

精密轻型回转顶尖 Precision Light-Duty Live Center



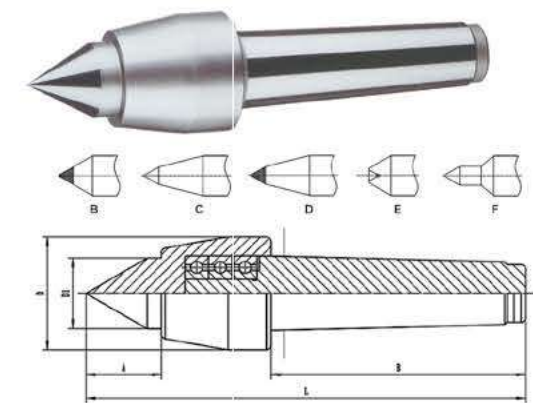
Model	L	D	L ₁	d	D ₁	Max Radial Load	Max Speed	Accuracy
MT2	129.6	45	28.6	25	17.780	400	5000	0.006
MT3	160.2	52	32	28	23.825	800	4500	0.006
MT4	191.7	60	36.5	32	31.267	1250	3500	0.006
MT5	244.5	80	50.8	45	44.399	1500	3000	0.006

高精数控回转顶尖 CNC Live Centers with High Speed & Accuracy



Model	A	B	C	D	E	F	G	K	L	Max speed	Max Run Out
MT2	27.7	23.8	69	28	42	4.5	10	14	139	3000	0.003
MT3	34	28	85	32	50	5	10	14	167	3000	0.003
MT4	45	40	108	48	80	6	12.5	24	236	3000	0.003
MT5	62	54	136	54	110	8	12.5	24	300	2000	0.003

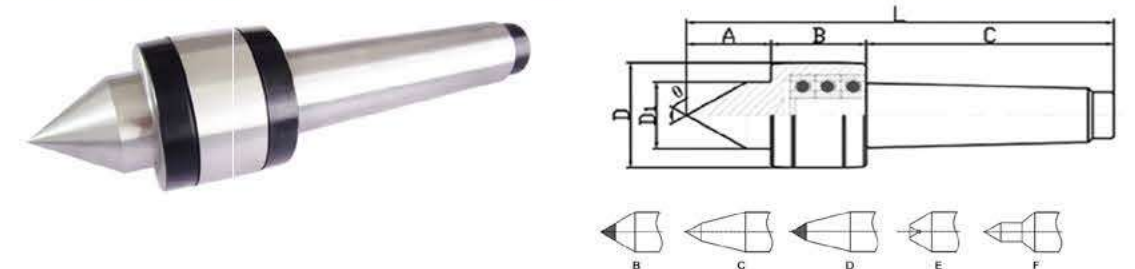
外旋回转顶尖 External Rotating Live Centers



1. 该顶针采用深沟球轴承组合。
 2. 顶尖头部较小，能适应不同的加工场合。
 3. 适用于特殊车床中高速轻负荷加工。
 4. 头部使用合金工具钢，热处理后硬度HRC60 \pm 2 $^\circ$ ，具备高钢性和高耐磨度。
1. The centre adopts the combination of deep groove ball bearings.
 2. Its head is small and can be applied into different processing deands.
 3. It is applicable to medium high speed light load processing for special lathes.
 4. The head is made of alloy tool steel and its hardness after being heat treated could reach HRC60 \pm 2 $^\circ$. It is thus has high steel performance and high wear resistance.

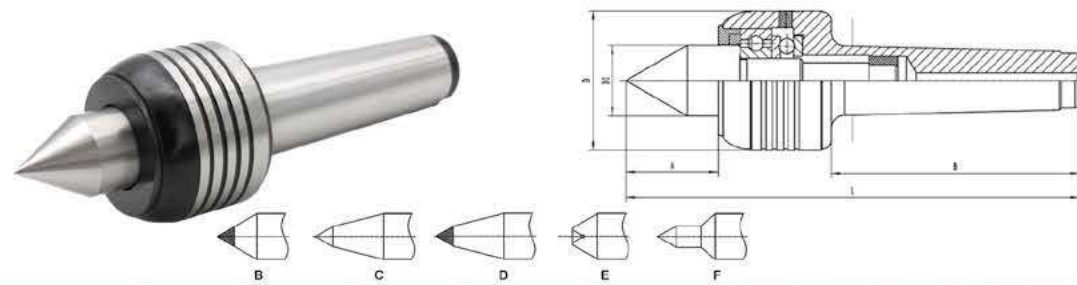
Model 1	A(ϕ .mm)	B(ϕ .mm)	C(ϕ .mm)	D(ϕ .mm)	E(ϕ .mm)	F(ϕ .mm)	Max load	Max Speed	Accuracy
MT1	12.065	32	16	21	54.5	108	40	4000	0.005
MT2	17.780	40	22	26	68	132	120	3500	0.005
MT3	23.825	45	26	32	83	164	250	3000	0.005
MT4	31.267	48	30	34	93.5	188	350	2500	0.005
MT5	44.399	68	45	50	118.5	248	500	2000	0.005

外旋回转顶尖 External Rotating Live Centers



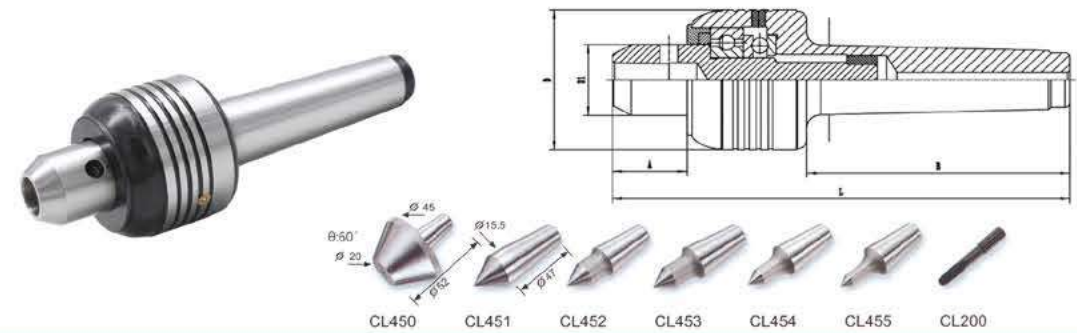
Model	A	B	C	D	D1	L	Max Speed
MT3	39	55	86	53	45	180	4500
MT4	42	62	108	63	53	208	3500
MT5	49	71	136	83	68	256	3000

数控回转顶尖 CNC Live Centers



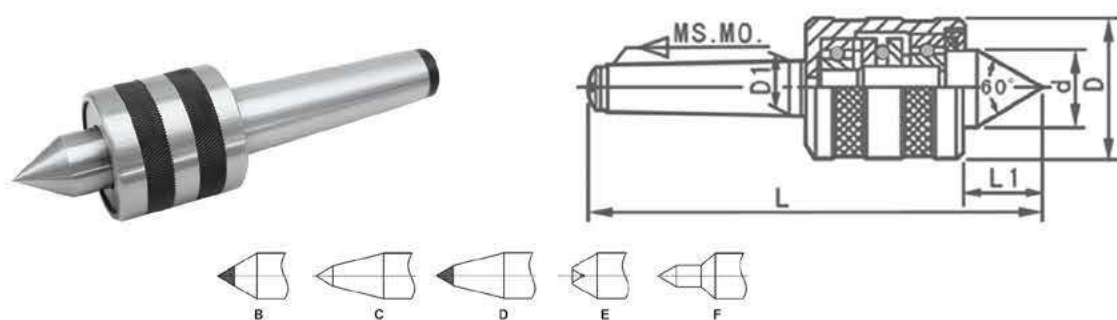
Model	A	B	D	D1	L	Max load	Max Speed	Accuracy
MT2	28	65	46	24	140	100	3500	0.01
MT3	38	81	59	28	170	250	3000	0.015
MT4	45	102	64	31	198	400	2500	0.015
MT5	52	130	78	44	245	700	2000	0.02

数控替换式顶尖 CNC Inter-Changeable Points Live Centers



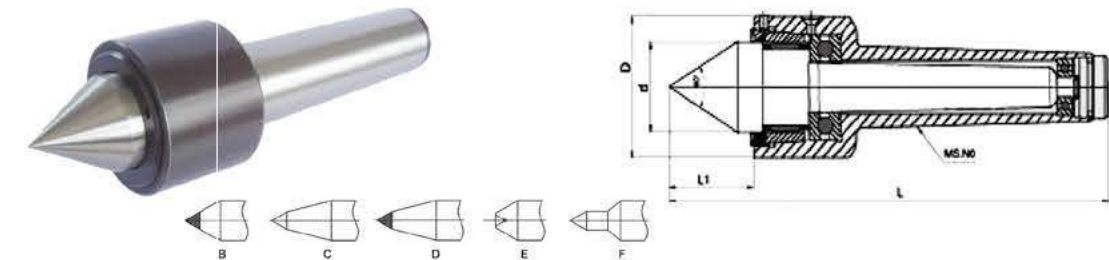
Model	A	B	D	D1	L	Max load	Max Speed	Accuracy
MT2	27	65	46	24	140	100	3500	0.01
MT3	32	81	59	28	170	250	3000	0.015
MT4	34.5	102	64	31	198	400	2500	0.015
MT5	44	130	78	44	245	700	2000	0.02

中型回转顶尖 Medium Duty Live Centers



Model	MS.NO	L	L1	D	D1	Wt.
MT3	3	170	30	52	23.825	0.93
MT4	4	205.7	34.7	60	31.267	1.70
MT5	5	254	45	77	44.399	3.39

重型回转顶尖 Heavy Duty Live Centers



Model	D	d	L	L1	Max load	Max speed
MT4	55	35	194	37.5	1300	3500
MT5	70	45	240	47	2000	3500
MT6	90	60	318	62	4000	6000

精密超重型回转顶尖 High Accuracy Super Heavy Duty Live Centers



Model 1	A(mm)	B(mm)	D(mm)	D1(mm)	L(mm)	Max load	Max Speed	Accuracy
MT6	80	188	145	80	370	8000	1500	0.01
80(1:20)	95	196	175	90	430	12000	1200	0.01
100(1:20)	110	232	200	100	500	15000	1000	0.015
120(1:20)	135	268	245	120	600	20000	800	0.015

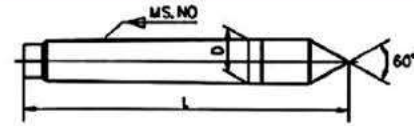
伞形回转顶尖 Bull Nose Live Centers



其它型号可按订单生产
Other sizes can be made as ordered

Model	D	D1	L	d	α
MT2-60	60	17.780	137	20	60°
MT3-90	90	23.825	169	32	60°
MT4-110	110	31.267	184	35	75°
MT5-120	120	44.399	251	40	60°
MT5-200	200	44.399	252	40	75°
MT5-250	250	44.399	281	56	75°
MT6-250	250	63.348	335	56	75°

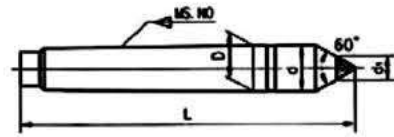
固定顶尖 Dead Centers



Model	D	L	Wt.
MT2	17.780	100	0.150
MT3	23.825	125	0.334

Model	D	L	Wt.
MT4	31.267	160	0.746
MT5	44.399	200	1.826

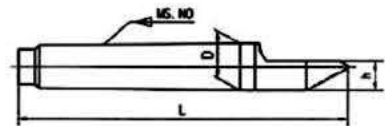
硬质合金固定顶尖 Carbide Dead Centers



Model	D	L	Wt.
MT2	17.780	100	0.150
MT3	23.825	125	0.334

Model	D	L	Wt.
MT4	31.267	160	0.746
MT5	44.399	200	1.826

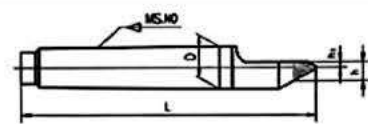
半缺固定顶尖 Half-notched Dead Centers



Model	D	L	Wt.
MT2	17.780	100	0.143
MT3	23.825	125	0.323

Model	D	L	Wt.
MT4	31.267	160	0.703
MT5	44.399	200	1.826

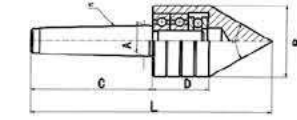
半缺硬质合金固定顶尖 Half-notched Carbide Dead Centers



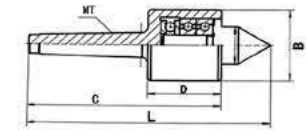
Model	D	L	Wt.
MT2	17.780	100	0.15
MT3	23.825	125	0.34

Model	D	L	Wt.
MT4	31.267	160	0.71
MT5	44.399	200	1.78

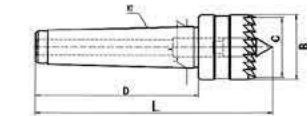
木工顶尖 Live Centers for Wood-working Machines



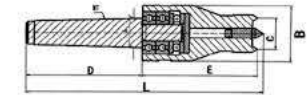
Model	L	A	B	C	D
MT1	136	12.065	42	69	32
MT2	160	17.788	46	86	34



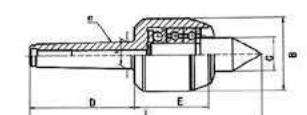
Model	L	A	B	C	D
MT1	146	12.065	40	69	43
MT2	163	17.788	40	86	43



Model	L	A	B	C	D
MT1	87	12.065	22	19.05	56
MT2	100	17.788	28	25.4	69



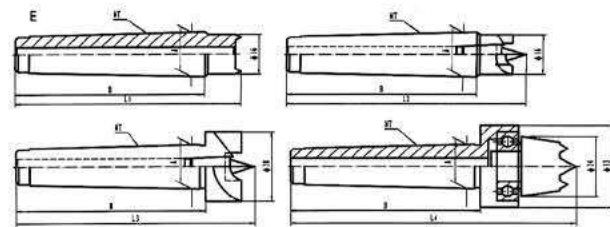
Model	L	A	B	C	D
MT1	152	12.065	48	22	69
MT2	173	17.788	58	24	86



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

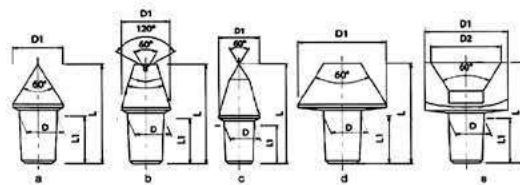
木工顶尖 Live Centers for Wood-working Machines

木工顶尖四支套装 4PCS Centers sets for Wood-working Machines



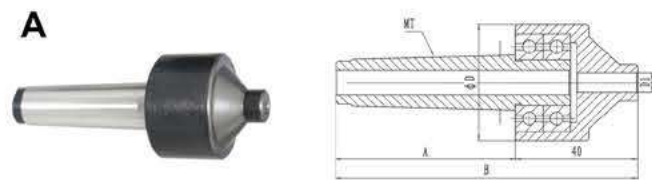
Model	L1	L2	L3	L4	A	B
MT1	69	74	74	91	12.065	56
MT2	82	87	87	104	17.78	69

木工插入式回转顶尖 Multi-purpose Live Centers for Wood-working Machines

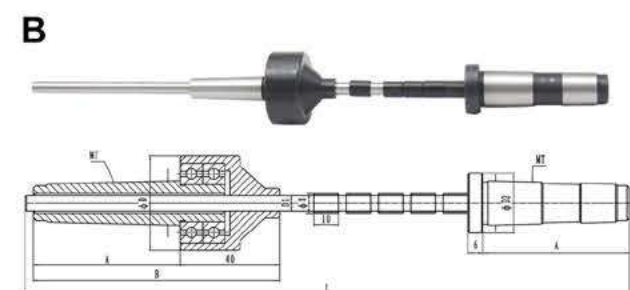


MT.NO	D	L1	a	b	c	d	e	
			D1				D1	D2
MT2	10	14	20	15	20	35	16	6
MT3	12	18	24	18	24	45	22	10

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
				6.2		

木工钻夹头 Drill Chucks with Connecting Arbors

扳手型 Key-type Drill Chucks with Arbors



Sizes of Key-type Drill Chucks	Sizes of connecting Arbors
10mm B12	B12 × MT2
13mm B16	B16 × MT2
3/8" JT6	JT6 × MT2
1/2" JT33	JT33 × MT2

自紧型 Keyless Drill Chucks with Arbors



Sizes of Keyless Drill Chucks	Sizes of connecting Arbors
10mm B12	B12 × MT2
13mm B16	B16 × MT2
3/8" JT6	JT6 × MT2
1/2" JT33	JT33 × MT2

延长杆套装铣夹头 Extension Bar Sets with ER Collets



20CrMnTi
≥12000rpm

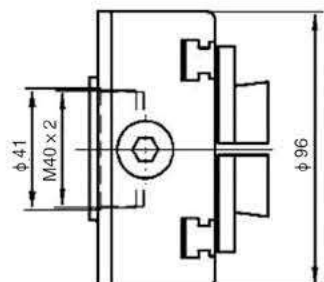
Sizes		Qty.&Clamping	Back Bar Thread	Wt.
C16	50L-ER11	5PCS(3-7mm)	M10	0.6
	100L-ER11	5PCS(3-7mm)		0.7
C20	100L-ER16	8PCS(3-10mm)	M12	1.15
	150L-ER11	8PCS(3-10mm)		1.25
C25	100L-ER20	11PCS(3-13mm)	M12	1.4
	100L-ER25	7PCS(6-16mm)		1.9
		15PCS(2-16mm)		2.5

木工夹具组 Mounting Kits for Wood-working Machines



Metric	Taiwan Code	Table Slot	Stud Size	Wt.
M8	CK-08	10	8-1.25P	6.1
M10	CK-10	12	10-1.25P	7.09
M12	CK-12	14	12-1.25P	8.6

木工卡盘 Wood-working Scroll Chucks



Model	Clamping	Thread Connection	Wt.
4"	8-60mm	M33 x 3.5; M40 x 2; 1" -1/8TPI	2.3/3
5"	20-100mm	M33 x 3.5; M40 x 2; 1" -10TPI; 1" -1/4-8	4.2/5

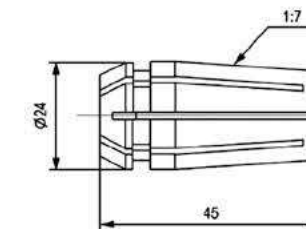
- The chuck is self-centering, grips internally and externally, can hold round and square workpiece
自动定心, 可夹持和外撑圆件及方件
- The chuck fits a wide range of wooden lathe spindle by connecting arbor
通过连接杆可适用于各种木工车床

桌虎钳 Table Vices



Model	Width of jaw	Max. Opening	G.W./N.W.
Z50	50	45	30/26(10PCS)
Z60	60	55	30/26(10PCS)

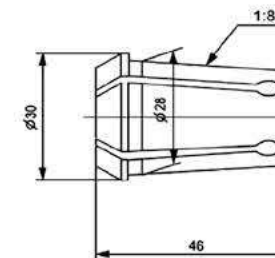
J7316A 型套装铣夹头 J7316A Collets & Chuck Sets



Collets Taper: 1:7

Model	Hole Sizes		PCS/Set	Shank Sizes	Wt.
	mm	Inch			
J7316A/NT30	4	1/8"	8	NT30	3.373
J7316A/NT40	5	3/16"		NT40	3.708
J7316A/MT2	6	1/4"		MT2	3.52
J7316A/MT3	8	5/16"		MT3	3.752
J7316A/MT4	10	3/8"		MT4	4.646
J7316A/MT4	12	1/2"			

J7316B 型套装铣夹头 J7316B Collets & Chuck Sets

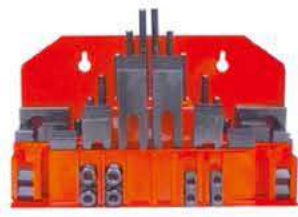


Collets Taper: 1:8

Model	Hole Sizes		PCS/Set	Shank Sizes	Wt.
	mm	Inch			
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	5/18"		R8	3.58



52PCS / SET



42PCS / SET



36PCS / SET

Model	Studs	T-nuts	Coupling Nuts	Flange Nuts	Step Clamps	Step Blocks
52PCS	24	6	4	6	6	6/12
42PCS	12	4	4	4	6	6/12
36PCS	12	4	4	4	4	4/8

Material 材料: S45C; Hardness 硬度 HRC 32±5.

Heat treated steel black oxide finish. 表面氧化热处理;

Usage: Apply for fixing each kind of working-piece on machining table.

用途: 用在各种机械工作台上固定或夹持模具, 治具板等。

Set in plastic rack or wooden plate consists of (Block size 25mm):

- 24PCS Studs 24 根双端螺栓 75 / 100 / 125 / 150 / 175 / 200mm
- 6PCS T-Nuts 6 只 T 型槽螺母
- 4PCS Coupling Nuts 4 只连接螺母
- 6PCS Flange Nuts 6 只法兰螺母
- 6PCS Step Clamps 6 块阶梯压板
- 12PCS Step Blocks 6 / 12 块阶梯垫铁



Studs 双端螺栓



T-Nuts T 型槽螺母



Coupling Nuts 连接螺母



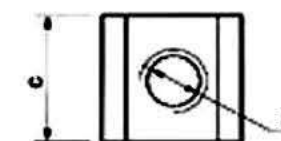
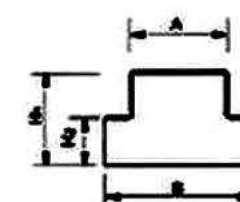
Flange Nuts 法兰螺母



Step Clamps 阶梯压板



Step Blocks 阶梯垫铁



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
M22	24	40	40	28	15



M 8 - M16



M18- M24

Model	Taiwan Code	Table Slot	Stud Sizes	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
M22	CK-22	24	24-3.0P	30	7/8-9

铣床平口钳 QH Milling Machine Vices(QH=Q12)



Performance and character 性能及特点

1. It is made of ductile cast iron(HT200). 由延展性较强的铸铁制作而成。(球墨铸铁 200)
2. The accuracy of vice is parallelism at 0.025mm/100mm and squareness at 0.025.
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
3. It is widely used on milling and drilling machine for making some kinds of slots, holes and faces.
广泛用于铣床、刨床、钻床等各种平面、沟槽、角度、孔等加工。

Model	Width of jaw	Height of jaw	Max.Opening	G.W./N.W.
QH80	80	30	60	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 Planning Machine Vices(QB=Q13)



Performance and character 性能及特点

1. It is made of ductile cast iron(HT200).由延展性较强的铸铁制作而成(球墨铸铁 200)
2. The accuracy of vice is parallelism at 0.025mm/100mm and squareness at 0.025.
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
3. The vice can be used with single or settled side by side on the machine Worktable.
平口钳可单台使用, 也可多台并排使用。
4. It is widely used on machining center and other precision machine.广泛用于加工中心等精密机床。

Model	Width of jaw	Height of jaw	Max.Opening	G.W./N.W.
QB135	136	36	170	17/16
QB160	160	51	180	27/26
QB200	200	64	280	38/37
QB250	250	64	280	57/55
QB320	320	81	360	86/84

角固式平口钳 QM16 Accu-lock Machine Vices

QM16 Accu-lock Machine Vices

Performance and character 性能及特点

- 1.It is made of ductile cast iron(HT200).由延展性较强的铸铁制作而成(球墨铸铁 200)
- 2.The accuracy of vice is parallelism at 0.025mm/100mm and squareness at 0.025.
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
- 3.The vice can be used with single or settled side by side on the machine Worktable.
平口钳可单台使用, 也可多台并排使用。
- 4.It is widely used on machining center and other precision machine.
广泛用于加工中心等精密机床。



Model	Width of jaw	Height of jaw	Max.Opening	G.W./N.W.
QM16100	100	32	100	17/16
QM16125	125	40	125	21/20
QM16160	160	45	160	37/36
QM16200	200	50	190	51/50

角固式精密平口钳 QM16N Accu-lock Machine Vices

QM16N Accu-lock Precision Machine Vices

Performance and character 性能及特点

- 1.It is made of ductile cast iron(HT200).由延展性较强的铸铁制作而成(球墨铸铁 200)
- 2.The accuracy of vice is parallelism at 0.025mm/100mm and squareness at 0.025.
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
- 3.The vice can be used with single or settled side by side on the machine Worktable.
平口钳可单台使用, 也可多台并排使用。
4. It is widely used on machining center and other precision machine.
广泛用于加工中心等精密机床。



Model	Width of jaw	Height of jaw	Max.Opening	G.W./N.W.
QM16100N	100	32	100	13/12
QM16160N	160	45	160	29/28

Q52型液压增力平口钳 QM52 Hydraulic Power Machine Vices

QM52 Hydraulic Power Machine Vices

Performance and character 性能及特点

- 1.It is made of ductile cast iron(HT200).由延展性较强的铸铁制作而成(球墨铸铁 200)
- 2.The accuracy of vice is parallelism at 0.025mm/100mm and squareness at 0.025.
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



Model	Width of jaw	Height of jaw	Max.Opening	G.W./N.W.
Q52150L	152	52	320	45/43
Q52320	320	80	345	105/103
Q52400	400	85	130	163/159

QHK型可倾平口钳 QHK Declinable Machine Vices(QHK=Q41)

QHK Declinable Machine Vices(QHK=Q41)



Performance and character 性能及特点

- 1.It is made of ductile cast iron(HT200).
由延展性较强的铸铁制作而成（球墨铸铁 200）
- 2.The accuracy of vice is parallelism at 0.025mm/100mm and squareness at 0.025.
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
- 3.It is widely used on machine tool in making some kinds of slots, holes and faces .
广泛用于加工中心等精密机床。

Model	Width of jaw	Height of jaw	Max.Opening	G.W./N.W.
QHK100	100	41	80	18/17
QHK125	125	45	95	28/27
QHK125L	125	45	140	28/27
QHK160	160	50	125	40/39

QW型万向平口钳 QW Universal Machine Vices



Performance and character:性能及特点

1. It is made of high-quality cast iron.采用高质量的铸铁材料。
2. The accuracy of vice is parallelism at 0.025mm/100mm and squareness at 0.025.
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
3. It used on machining and EDM complex parts.
广泛采用机械加工、电加工等复杂零件的使用。

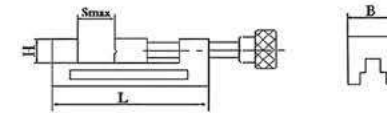
Model	Width of jaw	Height of jaw	Max.Opening	G.W./N.W.
QW100	105	40	105	26/25
QW125	125	44	125	27/26

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



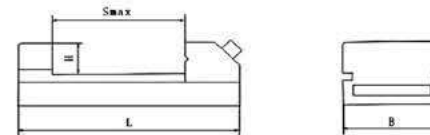
Model	Width of jaw	Height of jaw	Max. Opening	QTY/Case	
Q93100	100	35	76	1	15/14
Q93160	160	50	100	1	37/36

QGG 精密工具平口钳 QGG Precision Tool Vices



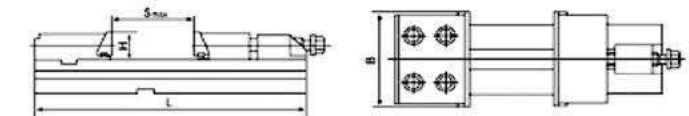
Model	B	H	S-max	L	Wt.
QGG50	50	25	65	155	3
QGG63	63	32	85	190	3.8
QGG80	80	40	100	220	6.5
QGG100	100	45	125	260	13
QGG125	125	50	210	350	23
QGG150	150	50	175	315	23.8

QKG 精密工具平口钳 QKG Precision Tool Vices



Model	B	H	S-max	L	Wt.
QKG25	25	9.15	22	65.4	0.5
QKG50	50	25	65	140	2.0
QKG63	63	32	85	175	3.0
QKG73	73	35	100	190	4.1
QKG80	80	40	100	200	5.5
QKG88	88	40	125	235	7.3
QKG100	100	45	125	245	10.0
QKG125	125	50	160	285	18.0
QKG150	150	50	200	330	21.5

GT精密组合平口钳 GT Precision Modular Vices



Model	Size	B	H	Smax	L	Clamping Force
GT125	125 × 40 × 150	125	40	150	345	3000
GT150A	150 × 50 × 200	150	50	200	420	5000
GT175A	175 × 60 × 200	175	60	200	455	6000
GT175B	175 × 60 × 300	175	60	300	555	6000
GT200C	200 × 60 × 400	200	65	400	695	10000
GT200D	200 × 60 × 500	200	65	500	795	10000
GT300C	300 × 80 × 400	300	80	400	735	12000
GT300D	300 × 80 × 500	300	80	500	835	12000

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 without Anvil Swivel 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 美式活动带砧美式台钳 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	1	19/18
9506	6"	150	178	1	29/27

98 重型法式活动带砧台钳 98 French Type Heavy Duty Bench Vices with Anvil Swivel Base



Model	Size	Width of jaw	Max. Opening	QTY/Case	G.W./N.W.
9803	3"	75	75	4	20/19
9804	4"	100	100	2	16/14
9805	5"	125	125	1	11.4/10.6
9806	6"	150	150	1	17.5/16.5

98 重型法式固定带砧台钳 98 French Type Heavy Duty Bench Vices with Anvil Stationary Base



Model	Size	Width of jaw	Max. Opening	QTY/Case	G.W./N.W.
9823	3"	75	75	4	18/16
9824	4"	100	100	2	13/12
9825	5"	125	125	1	20/18.6
9826	6"	150	150	1	15.5/14.5

98 轻型法式活动带砧台钳 98 French Type Light Duty Bench Vices with Anvil Swivel Base



Model	Size	Width of jaw	Max. Opening	QTY/Case	G.W./N.W.
9833	3"	75	75	4	20/18
9834	4"	100	100	2	11/10
9835	5"	125	125	1	8.5/7.5
9836	6"	150	150	1	12.5/11.5

98 轻型法式固定带砧台钳 98 French Type Light Duty Bench Vices with Anvil Stationary Base



Model	Size	Width of jaw	Max. Opening	QTY/Case	G.W./N.W.
9843	3"	75	75	4	18/16
9844	4"	100	100	2	10/9
9845	5"	125	125	1	8/7
9846	6"	150	150	1	11.5/10.5

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



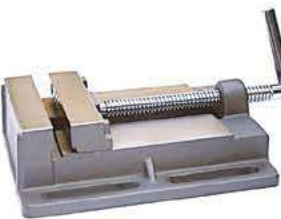
Model	Width of jaw	Max.Opening	G.W./N.W
Q1975	75	50	23/21(10PCS)
Q19100	100	75	36/34(10PCS)
Q19125	125	100	25/23(5PCS)
Q19150	150	125	32/30(5PCS)
Q19200	200	175	24/23(2PCS)

Q19E丝杠缩入式平口钳 Q19E Guild-screw leading-in Drilling Vices



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	30/28 (5PCS)

SY 手板压力机 SY Arbor Presses



Model	Width of jaw	KN	Opening	G.W./N.W
0.5t	5	500	90	11/10
1t	10	1000	110	17/16
2t	20	2000	180	39/38
3t	30	3000	285	69/67
5t	50	5000	430	176/154

TS 系列可调尾座 Adjustable Tails Tock,TS Series



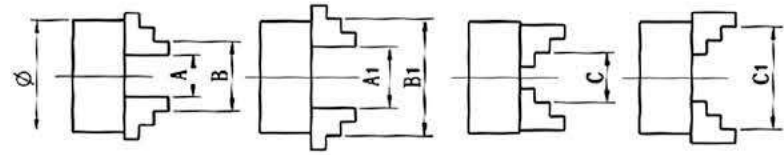
Model	Center Height mm		Use of Model	Wt.(kg)
	Max	Min		
TS0	90(3.54")	42(1.65")	HV-3;HV-4;HV-5	3.9
TS1	131(5.15")	97(3.81")	HV-6;F2-6;F3-6	13
TS2	210(8.26")	130(5.12")	HV-8、10、12;F2-8;F3-8	18
TS3	300(11.8")	210(8.27")	HV-16;HV-16	21

WZ 系列固定尾座 Tailstock,WZ series



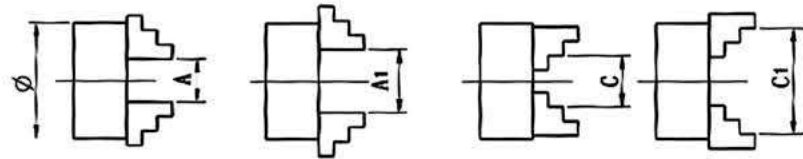
Items	WZ70	TSL400-2
Distance between taper center to base mm	70	260
Taper of Center	-	MT3
Width of locating key mm	10	18
Stroke of center mm	12	30
Net weight kgs	2.5	28
Gross weight kgs	3	32
Case dimensions mm	200 × 120 × 202	375 × 355 × 260

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

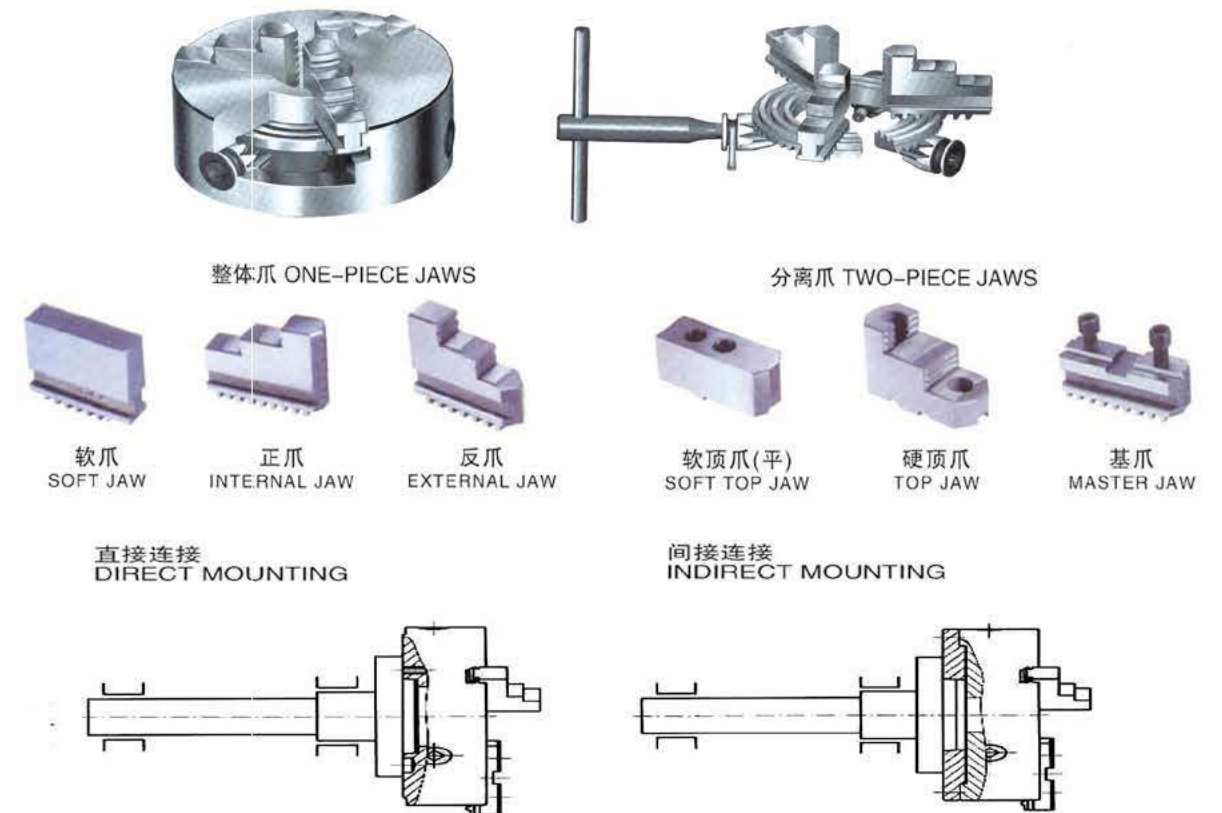
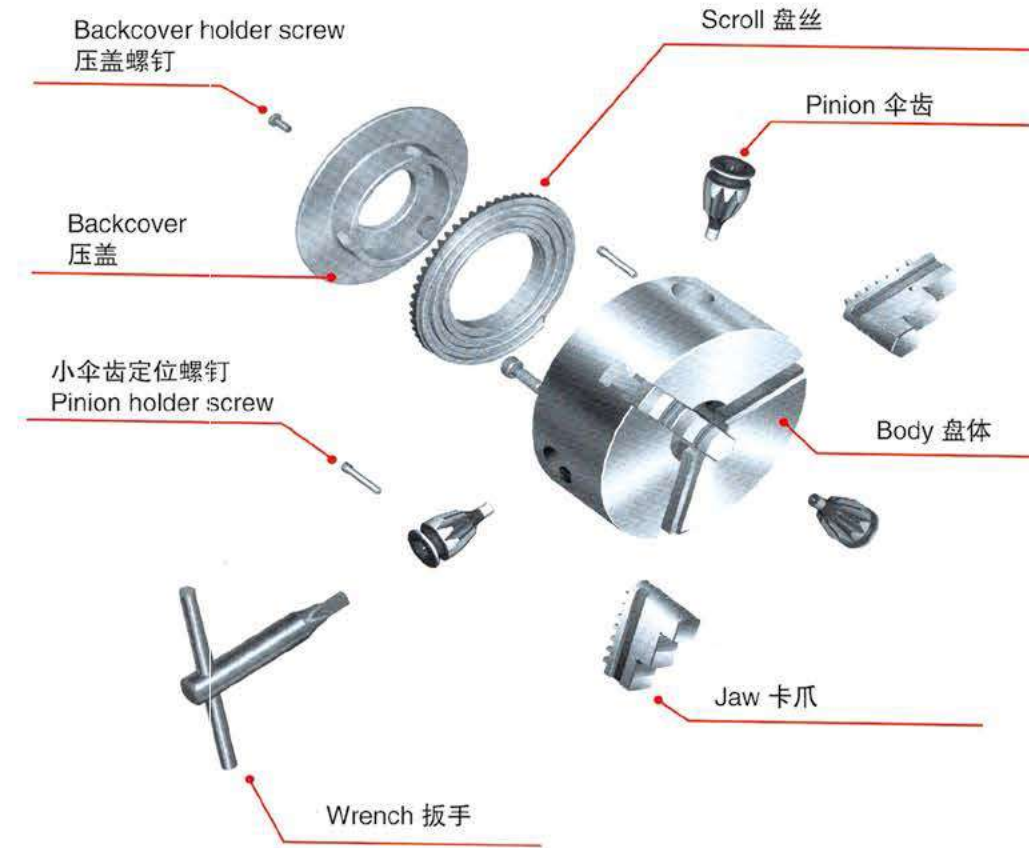


Size	正爪 Internal Jaw		反爪 External Jaw
	夹持范围 Clamping Range	撑紧持范围 Jamming Range	夹持范围 Clamping Range
	A-A1	B-B1	C-C1
80	2-22	25-70	22-63
100	2-30	30-90	30-80
125	2.5-40	38-125	38-110
160	3-55	50-160	55-145
200	4-85	65-200	65-200
250	6-110	80-250	90-250
315	10-140	95-315	100-315
400	15-210	120-400	120-400
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

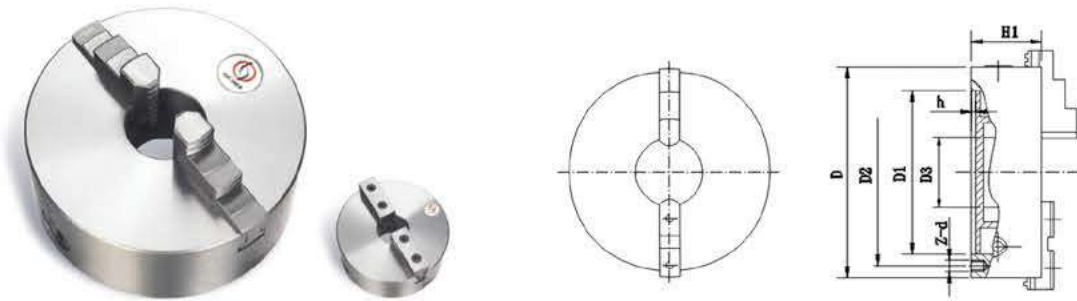
单动卡盘夹持范围 Independent Chuck Clamping Range



Size	正爪 Internal Jaw	反爪 External Jaw
	夹持范围 Clamping Range	夹持范围 Clamping Range
	A-A1	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



K10型短圆柱二爪自定心卡盘 K10 Cylinder Center Mounting Two-jaw Self-centring Chucks

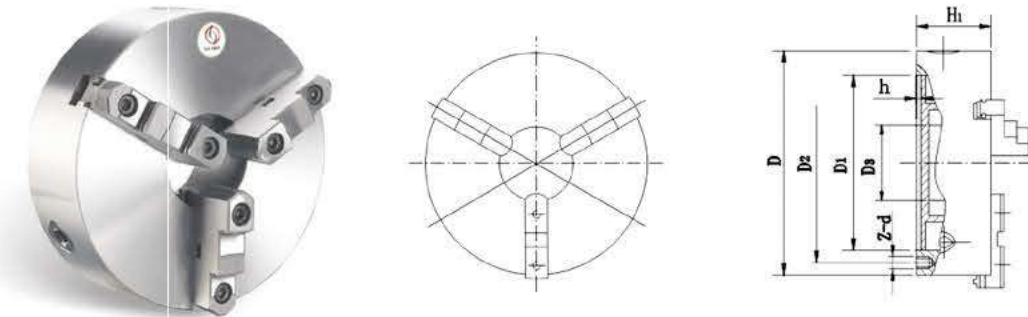


本产品适用于各种异型工件的加工，如管件、矩形截面零件、不规则形体零件等。用户可根据零件形状改制成适宜的夹持方式，经随机配车(磨)后可获得较高定心精度，满足夹持要求。

Mode K10 two-jaw self-centring chucks are suitable for processing all kinds of special work pieces, such as pipe casting, rectangular work pieces and work pieces in irregular shape, etc. Users can adjust the clamping type as per shapes of the work pieces. The clamping accuracy can be increased the remachining.

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	80	70	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	286	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	382
1000A*	910	950	400	165	10	6-M24	1200	600	588

K11型 自定心卡盘(短圆柱连接) K11 Type Three-jaw Self-centring Chucks Cylinder Center mounting

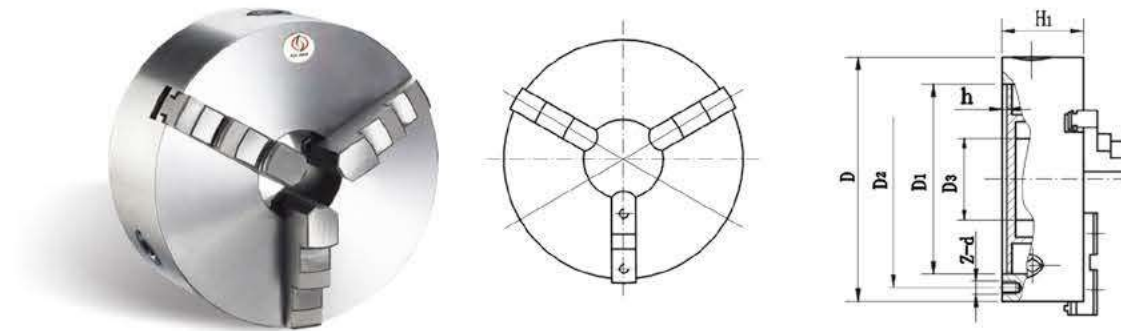


该结构卡盘与机床主轴通过法兰连接，卡盘配有正爪和反爪各一副，尺寸规格后带A/C的型号卡盘为配带分离爪，并可根据用户的需求提供软爪。

The chucks of this type are mounted to spindle nose through an adapting flange, are provided with a set of internal jaws and a set of external ones, the chucks with A/C have two-pieces jaw, and soft jaws are offered upon user requests.

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

德标三爪卡盘 German Standard 3-Jaw Self-centering Chucks



德标三爪、四爪自定心卡盘按照 DIN6350/DIN55026标准生产,适用于德国标准的主轴,并配有前锁式规格。

The type three/four jaw self-centering chucks are suitable for the main shaft of four Germany standard, produce according to DIN6350 or DIN55026 standard. It has front lock type as well.

DIN6350

SPEC./MODEL	D1	D2	D3	H1	h	z-d	Nte WT.
80	56	67	16	50	4	3-M6	1.5
85	62	72	18	50	4	3-M6	1.9
100	70	83	22	55	3	3-M8	2.8
110	80	95	27	55	3	3-M8	3.4
125	95	108	30	58	4	3-M8	5
140	105	120	40	58	4	3-M8	6
160	125	140	45	65	5	3-M10	10
200	160	176	65	75	5	3-M10	17.5
250	200	224	80	80	5	3-M12	29
315	260	286	100	90	6	3-M16	50
400	330	362	130	100	6	3-M16	85

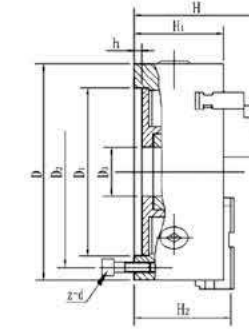
DIN55026

SPEC./MODEL	D1	D2	D3	H1	h	z-d	Nte WT.
80	63	70	17	45	3	3×M5	1.5
100	80	90	23	52	3	3×M6	2.8
125	100	110	28	58	4	3×M8	5
160	130	143	48	62	4	3×M10	10
200	163	180	52	76	5	3×M10	17.5
250	210	226	78	82	5	3×M10	29
315	265	290	108	100	6	4×M12	50
400	350	375	144	110	7	6×M12	85
500	420	458	190	120	8	6×M16	118

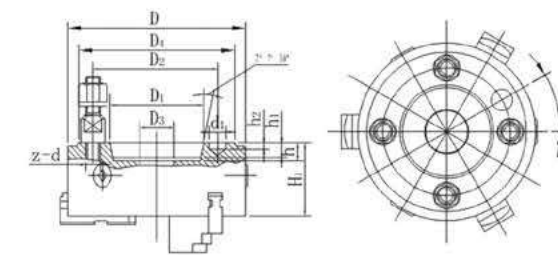
俄标三爪卡盘 Russia Standard 3-Jaw Self-centering Chucks

俄标K11系列三爪自定心卡盘,符合ГОСТ2675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 Standardized 3-Jaw Self-Centering Chucks adopt short conical connection according to Standard ГОСТ 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. High centering accuracy can be achieved after machining.

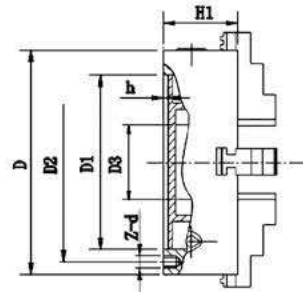
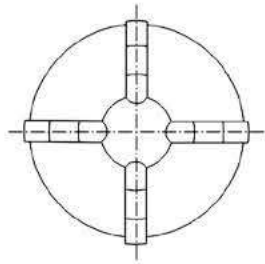


Model	D1	D2	D3	H	H1	H2	h	z-d
7100-0001TT	55	66	16	66	50	-	3.5	3-M6
7100-0002TT	72	86	22	74.5	55	-	3.5	3-M8
7100-0003TT	95	108	30	85	58	-	4	3-M8
7100-0005TT	130	142	40	95	65	-	5	3-M8
7100-0007TT	165	180	65	109	75	-	5	3-M10
7100-0009TT	210	226	80	120	80	-	5	3-M12
7100-0011TT	270	290	100	142.5	90	-	6	3-M12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



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

K12型短圆柱四爪自定心卡盘 K12 Cylinder Center Mounting Four-jaw Self-centring Chucks

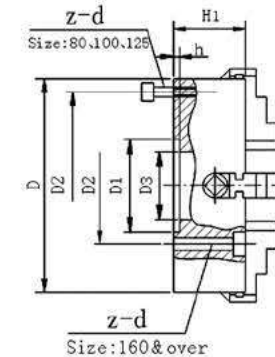
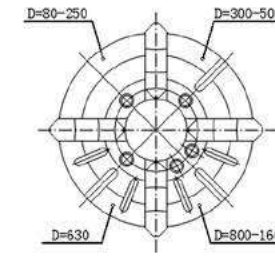


K12 型产品适用于具有一定批量的各种下方形、八棱形零件的加工，可自动定心，快速加紧。本产品的卡爪结构参数与K11系列三爪自定心卡盘的基本相同。

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

K72型四爪单动卡盘 K72 Four-jaw Independent Chucks



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 a djustable and for machining all kinds of special-shaped workpieces.

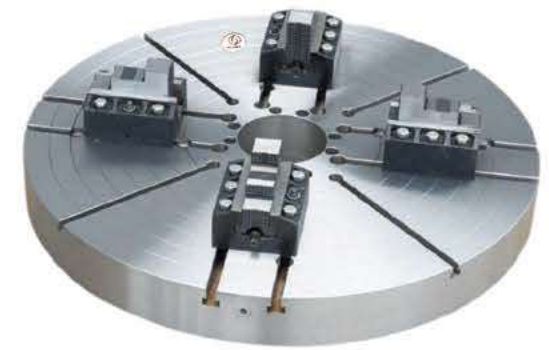
Size(D)	D1	D2	D3	H1	h	Z-d	Max.input torque (N.m)	Max.Speed (R/min)	Net WT.
50	15	38	M14x1	39	5	4-M4	10	6000	0.55
80	55	66	22	42	3.5	4-M6	25	4000	1.5
100	72	84	25	74	3.5	4-M8	30	3500	3
125	95/92	108	30	56	4.5	4-M8	50	3000	5
160	65	95	45	65	5	4-M10	70	2500	9
200	80/75	112/95	56	75	6	4-M10	100	2000	15
250	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

K13 大直径自定心卡盘

K13 Series Large Diameter Self-centering Chucks

K78 大直径重型四爪单动卡盘

K78 Series Large Diameter Heavy-duty 4-jaw Independent Chucks

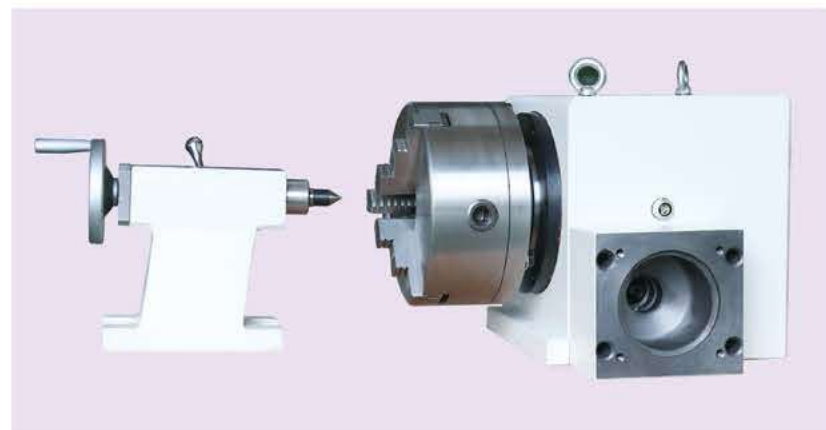


Sizes (规格): 1250 -- 2600mm

Sizes (规格): 1600--3000mm

Any other sizes can be supplied as ordered. 其它规格可按订单生产供货。

FK15 系列数控分度头 FK15 Series CNC Dividing Head



- ◆ FK15 系列数控分度头是数控铣床，加工中心等机床的主要附件之一，亦可作为半自动铣床、镗床或其它类机床的主要附件。
- ◆ 该分度头与相应的 CNC 控制装置或机床本身特有的控制系列连接，并与 4-6Pa 压缩空气接通，可自动完成对被加工件的夹紧，松开和任意角度的圆周分度工作，可立卧两用。当上述机床采用该分度头后，可大大提高劳动生产力和保证工件的加工质量。

Model FK15 series NC dividing head is one of the main accessories for the NC machine and machine center, it can also be used as one of the main accessories of semiauto milling machine, boring machine or other machine tool. Connected with the CNC control device or the control system of the machine and the 4-6 bar pressure air, the NC dividing head can carry out the performance of clamping, unclamping and circular indexing at arbitrary angle for the work-piece. this product can be used vertically and horizontally.

规格参数: MAIN SPECIFICATIONS

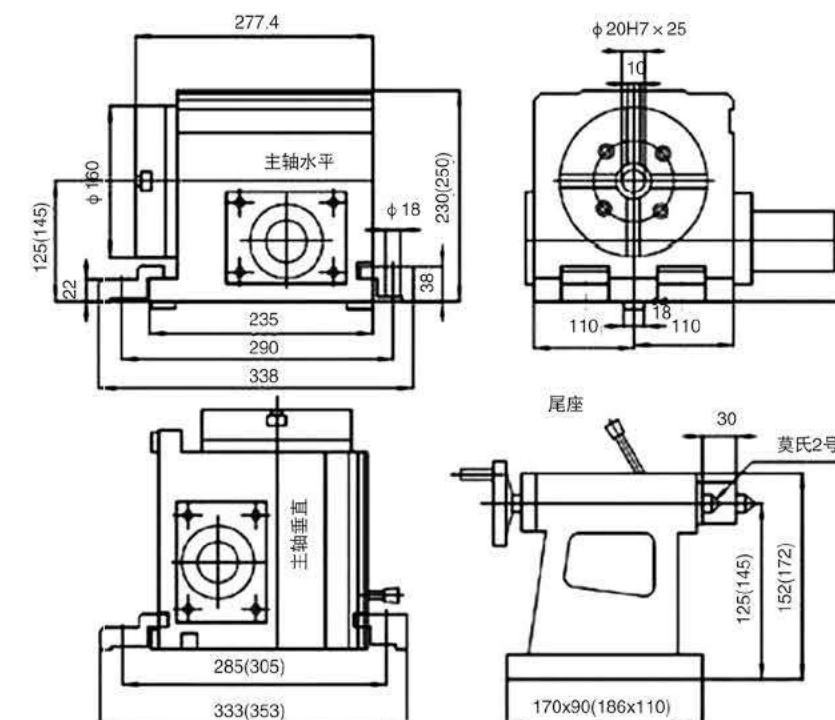
No.	项目 ITEMS	FK15110A	FK15125A	FK15145	
1.	中心高 center height (mm)	110	125	145	
2.	圆工作台面直径 diameter of the table surface (mm)	Φ125	Φ160	Φ160	
3.	圆工作台面 T 型槽宽度 T-slot width on table surface (mm)	10H12	10H10	10H10	
4.	蜗杆副传动比 Worm gear ratio	1 : 90	1:90	1:90	
5.	圆工作台面定位孔直径 diameter of center bushing (mm)	Φ16H7	Φ20H7	Φ20H7	
6.	分度头找正定位孔直径 : diameter of indexer tram bushing (mm)	/	/	/	
7.	定位键宽度 Width of locating key (mm)	14	18	18	
8.	主轴端部连接尺寸 Connecting dimensions of spindle nose (mm)	Φ52H6	A ₁ 6	A ₁ 6	
9.	主轴孔可配弹簧夹头 Collet	/	/	/	
10.	可配电机 Motor (N.m)	≥ 2.94	≥ 2.94	≥ 2.94	
11.	气源压力 Air pressure (Pa)	4~6×10 ⁵ Pa	4~6×10 ⁵ Pa	4~6×10 ⁵ Pa	
12.	重复精度 Repeatability	7.5°	7.5°	7.5°	
13.	分度精度 Dividing accuracy	60°	60°	60°	
14.	切向最大力矩 Max. tangent torque (N.m)	90	120	120	
15.	分度头最高转速 Max.speed (r/min)	11.1	11.1	11.1	
16.	净重 Net Weight (kg)	50	80	90	
17.	毛重 Gross Weight (kg)	58	88	100	
18.	承载能力 Load capacity kg	水平 Horizontal	100	150	150
		垂直 Vertical	50	80	80

◆ 以上参数以实物为准，如有变动，最终解释权归本公司。

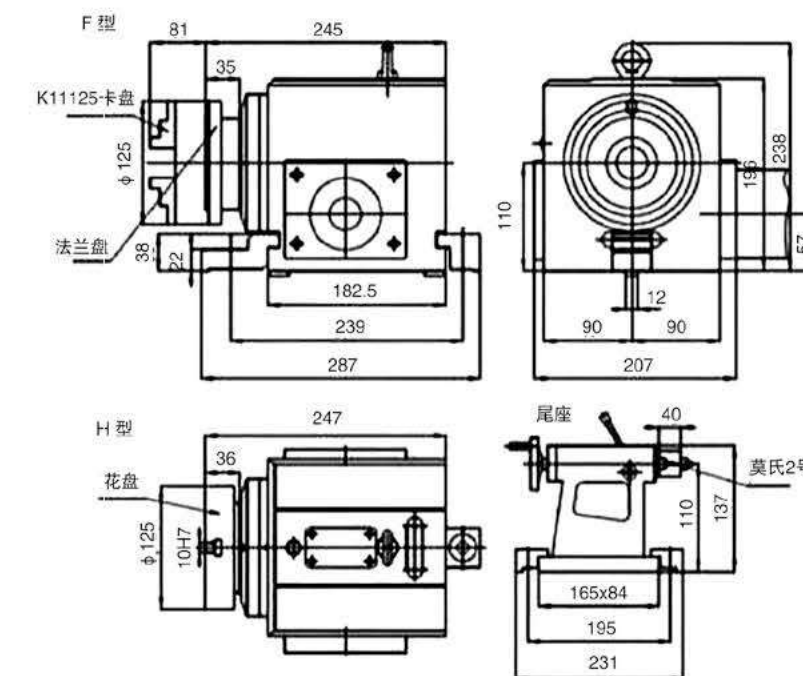
FK15 系列数控分度头 FK15 Series CNC Dividing Head

安装尺寸图 DIMENSIONAL SKETCH

FK15125A(145)

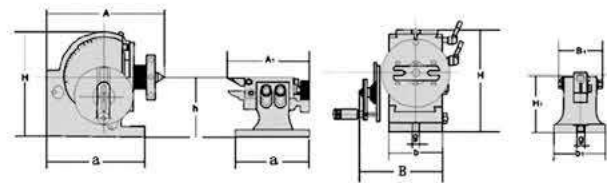


FK15110A

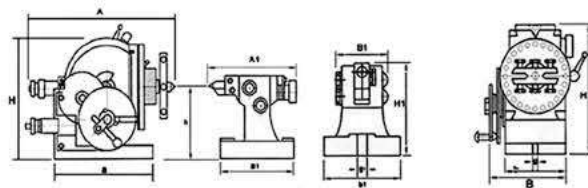


台湾款分度头 Semi-universal Dividing Heads

BS0 & BS1



BS2



SEMI-UNIVERSAL INDEX CENTERS

Model	A		B		H		h		Taper of Center	N.W.	Matched chucks
BS0	193	7.59	131	5.15	173	6.81	100	3.93	MT2	23	125mm
BS1	242	9.52	168	6.61	220	8.66	128	5.04	MT3	32	160mm
BS2	370	14.5	280	11.02	236	9.29	133	5.24	MT4	73	160mm;200mm

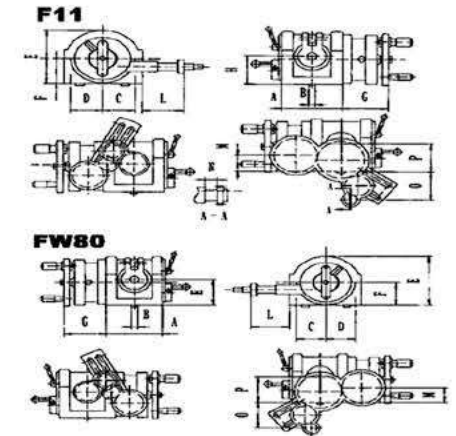
Model	A1		B1		H1		h		a1		b1		g1	
BS0	175	6.89	87	3.42	12	4.02	109	3.93	130	5.12	92	3.62	16	0.63
BS1	183	7.20	87	3.42	137	5.39	128	5.04	158	6.22	110	4.33	16	0.63
BS2	183	7.20	87	3.42	156	6.14	133	5.24	175	6.89	122	4.80	16	0.63

蜂巢板 DIVIDING PLATES



Model	Dividing plates	Number of Holes	Used of Model	
3PCS	A	15,16,17,18,19,20	<ul style="list-style-type: none"> RT-HV4,HV8 RT-6 	
	B	21,23,27,29,21,23		
	C	37,39,41,43,47,49		
2PCS	A	A1	<ul style="list-style-type: none"> RT-HV8,HV10, HV12,HV14,HV16 RT-8,10,12,14 CS-6" ,8" 	
		A2		26,30,34,38,41,44,47,51,57
	B	B1		28,32,37,39,43,46,49,53,59
		B2		61,67,71,77,81,87,91,97
		63,69,73,79,83,89,93,99		

万能分度头 Universal Dividing Heads



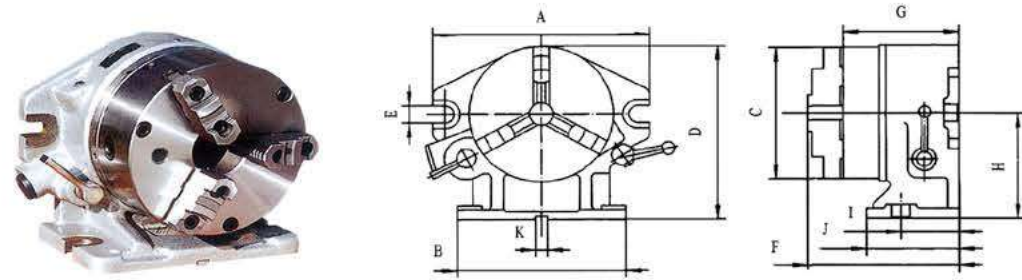
FW80、F11 Series Installation Sketch and Dimensions:

Model	A	B	C	D	E	F	G	H	L	M	N	O	P
FW80	139	14	77	73	147	77	98	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

FW80、F11 Series Main Specifications:

Items	Specifications	FW80	F11100A	F11125A	F11160A
中心高 Center height mm		80	100	125	160
主轴由水平位置向上转动的角度 Swivel angle of spindle from it's horizontal position		≤90°	≤95°		
主轴由水平位置向下转动的角度 Horizontal position (downward)		≤6°	≤5°		
分度手轮每转，主轴回转角度 Rotating angle of spindle for one complete Revolution of dividing handle		9°(540 grad., 1' each)			
游标最小示值 Min .reading of Vernier		10"			
蜗杆副传动比 Worm gear ratio		1:40			
主轴孔锥度 (莫式) Taper of spindle bore		MT3		MT4	
定位键宽度 Width of locating key. mm		14		18	
主轴法兰盘定位短锥直径 Diameter of short taper of Sindle-nose for mounting flange mm		Φ36.541	Φ41.275	Φ53.975	Φ53.975
分度盘孔数 Hole numbers on index plate	第一面 1st plate	24,25,28,30,34,37,38,39,41,42,43			
	第二面 2nd plate	46,47,49,51,53,54,57,58,59,62,66			
变换齿轮 Change Gear	模数 Module	1.5		2	
	齿数 Teeth Numbers	25,30,35,40,50,55,60,70,80,90,100			
最大承载 Max. bearing Kg		80	100	130	160
可配卡盘 Matched lathe chucks		100mm	125mm	160mm	200mm

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



Installation sketch and dimensions:

Model	A	B	C	D	E	F	G	H	I	J	K
F2-8	310	255	Φ210	255.25	18	214	171.5	149.25	80	150	16
F2-6	260	220	Φ167	220	18	197.5	155.5	130	70	130	16

Main specifications

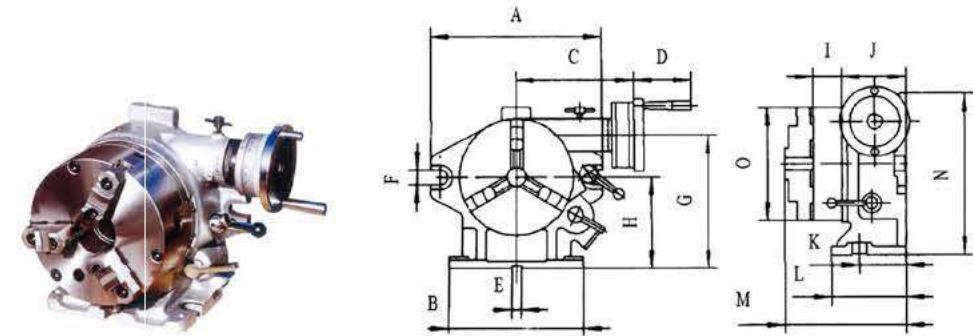
Items	Specifications	F2-8	F2-6
中心高 Center height mm		149.25	30
主轴定心直径 Center diameter of the spindle mm		Φ119.774	Φ80
可分等分数 Divisions		2、3、4、6、8、12、24	
主轴轴肩支撑面至底面高度（主轴直立时） Height between external centering diameter of the spindle to the base (in vertical position)mm		96	89.5
主轴轴肩直径 Locating diameter of the spindle mm		Φ212	Φ170
定位键宽度 Width of the 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"	

FNL100B 型立卧等分分度头 FNL 100B Horizontal/Vertical Collets Index



Items	FNL100B
中心高 Center height mm	10.16
Min.ID of spindle mm	Φ31.75
可分等分数 Divisions	2、3、4、6、8、12、24
Spindle screw	2.25 × 8
Collets	5C
等分精度 Dividing accuracy	± 3'
净重 Net weight kg	12
毛重 Gross weight kg	15
包装尺寸 Case dimensions mm	284 × 250 × 260

F3 型立卧等分分度头 F3 Type Direct Dividing Heads



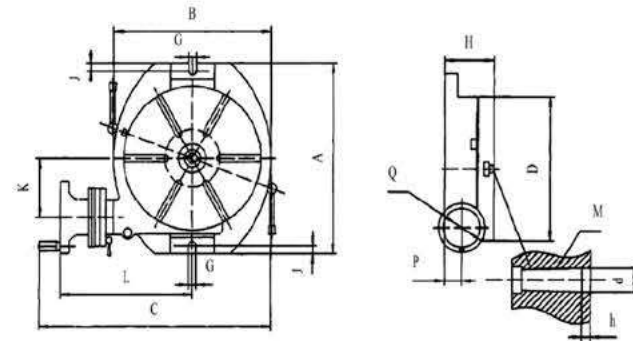
Installation Sketch and Dimensions:

Model	A	B	C	D	E	F	H	I	J	K	L	M	L	O
F3-8	310	255	200	78	16	18	150	75	126	90	155	244	285	Φ210
F3-6	250	220	188	78	16	18	130	66	112	80	150	220	235	Φ167

Main Specifications

Items	Specifications	F3-8	F3-6
中心高 Center height mm		150	130
主轴定心直径 Center diameter of the spindle mm		Φ119.774	Φ80
主轴轴肩直径 Diameter of spindle shoulder mm		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		1.5	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 worktable per revolution of worm		4°	
游标量小示值 Minimum value of Vernier		10"	
定位键宽度 Width of the 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"	
蜗轮副等分度误差 Worm gear dividing error		±60"	
包装尺寸 Case dimensions mm		490×425×380	470×350×360

卧式回转工作台 TS Horizontal Rotary Tables

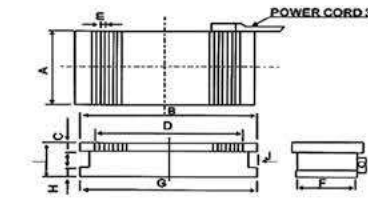
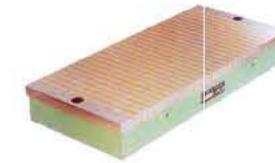


Main Specifications

Material: HT250

Specifications Items	TS160A	TS200A	TS250A	TS320A	TS400A	TS500A	TS630A	TS800A	TS1000A
工作台直径 Table diameter mm	Φ160	Φ200	Φ250	Φ320	Φ400	Φ500	Φ630	Φ800	Φ1000
台面中心孔锥度 Morse taper of the hole mm	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°				
蜗轮副转动比 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 kgs	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	K11630A

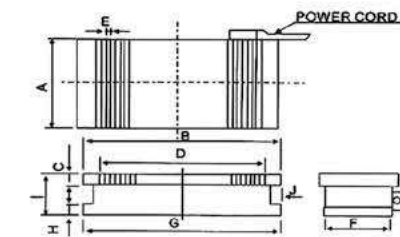
矩形电磁吸盘 Rectangular Electro-Magnetic Chucks; X11 Series



Force: 100N/CM²

Metric	Inch	主要尺寸 Dimension mm								额定电压	额定电流
		A	B	C	D	F	G	I	J	(DCV)	(A)
X11 200-630	8"-25"	200	630	30	550	192	616	100	30	110	1
X11 250-500	10"-20"	250	500	22	400	244	494	95	30	110	1
X11 300-600	12"-24"	300	600	30	510	285	590	88	30	110	1.1
X11 300-800	12"-32"	300	800	30	730	296	795	116	12	110	1.46

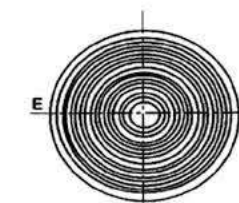
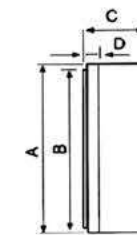
矩形密极电磁吸盘 Rectangular Dense Magnetic-pole Chucks; XM11 Series



Force: 100N/CM²

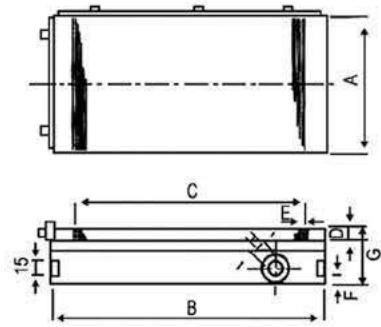
Metric	Inch	主要尺寸 Dimension mm									额定电压	额定电流
		A	B	C	D	F	G	H	I	J	(DCV)	(A)
XM11 250-500	10"-20"	250	500	22	400	244	494	20	95	30	110	1
XM11 300-600	12"-24"	300	600	30	510	285	590	20	88	30	110	1.1
XM11 300-800	12"-32"	300	800	30	730	296	795	20	116	12	110	1.8

圆形电磁吸盘 Circular Electro-Magnetic Chucks; X21 Series



Metric	Inch	Dimension					额定电流	直流电压
		A	B	C	D	E	(A)	(DCV)
X21 500	20"	510	500	100	25	12	1.8	110
X21 630	25"	650	630	130	30	14	1.7	110
X21 800	32"	810	800	180	35	13	2.5	110
X21 1000	40"	1060	1036	156	35	20	4.6	110

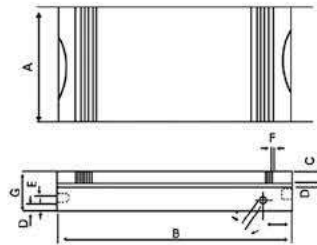
矩形永磁吸盘 Permanent Magnetic Chucks, Rectangular; X41 Series;



Force: 90N/CM²

Metric	Inch	主要尺寸 Dimension mm								净重 N.W. (kg)
		A	B	C	D	E	F	G	H	
X41 125-250	5" -10"	125	250	204	20	4.8(1+3.8)	10	55	12	15
X41 150-150	6" -6"	150	150	104	20	4.8(1+3.8)	10	55	12	9.4
X41 150-300	6" -12"	150	300	254	20	4.8(1+3.8)	10	55	12	19
X41 150-350	6" -14"	150	350	304	20	4.8(1+3.8)	10	55	12	22

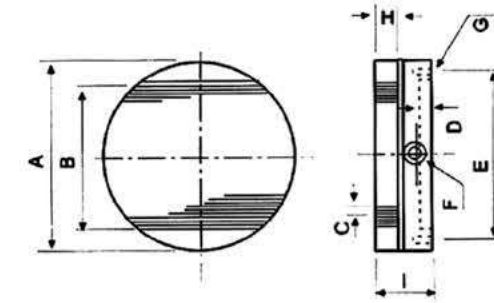
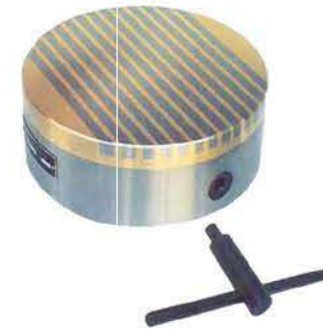
强力密极永磁吸盘 Powerful Dense Permanent Magnetic Chucks; XM91 Series



Force: 100N/CM²

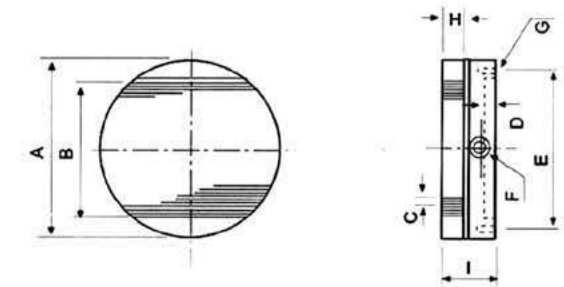
Metric Model	Inch Model	主要尺寸 Dimension mm								净重 N.W. (kg)
		A	B	C	D	E	F	G	I	
XM91 100-175	4" -7"	100	175	18	10	10	2(0.5+1.5)	53	12	7
XM91 125-250	5" -10"	125	250	18	10	10	2(0.5+1.5)	53	12	13
XM91 150-150	6" -6"	150	150	18	10	10	2(0.5+1.5)	53	12	9.4
XM91 150-300	6" -12"	150	300	18	10	10	2(0.5+1.5)	53	12	19
XM91 150-350	6" -14"	150	350	18	10	10	2(0.5+1.5)	53	12	22

圆形永磁吸盘 Circular Permanent Magnetic Chucks; X51 Series



Metric Model	Inch Model	主要尺寸 Dimension mm								
		A	B	C	D	E	F	G	H	I
X51 125	5"	125	80	2.8(1+1.8)	2	112	10	M6	20	58
X51 160	6"	160	115	2.8(1+1.8)	2	140	10	M8	20	58
X51 200	8"	200	155	2.8(1+1.8)	2	180	10	M10	20	58
X51 250	10"	250	205	2.8(1+1.8)	2	224	10	M10	20	58
X51 300	12"	300	300	2.8(1+1.8)	2	260	10	M10	20	58

圆形密极永磁吸盘 Circular Dense Permanent Magnetic Chucks; XM51 Series



Metric	Inch	主要尺寸 Dimension mm								
		A	B	C	D	E	F	G	H	I
XM51 200	8"	200	155	2.5(1+1.5)	2	180	10	M10	20	58
XM51 300	12"	300	255	2.5(1+1.5)	2	260	10	M10	20	58
XM51 400	16"	400	355	2.5(1+1.5)	2	350	10	M10	20	58
XM51 500	20"	500	455	2.5(1+1.5)	2	440	10	M12	20	58
XM51 600	24"	600	505	2.5(1+1.5)	2	550	10	M12	20	58

永磁吸盘起重器 Permanent Magnetic Lifters



产品性能 Product Performance
 永磁起重器采用高性能磁性材料制作，体积更小，自重更轻，吸力更大。独特磁路设计，剩磁几乎为零，安全系数高，最大拉胶力，是额定起重的3.5倍。手柄工关附有安全钮，可单手操作，安全方便。起重器底面有“V”型槽，可起吊相对应的圆钢、钢板。不用电，磁力恒久不衰。可在野外操作，广泛应用于钢材的起吊搬运，平整机械零件以及各种磨具的安装搬运。
 Permanent magnetic lifters use new type and high-performance magnetic material. It is characterized by its smaller and lighter weight. Powerful lifting effort and few of residual magnetism. Easy and safe operate. Without electricity in operation. Long period effort. They have been used widely to lift and transport the steel and iron.

Model	Capacity	Max Force KGS	Dimensions			Weight
			Length	Width	Height	
YQ100	100	300	150	80	160	7
YQ200	200	600	190	110	220	15
YQ300	300	900	230	120	210	22
YQ600	600	1800	290	145	250	42
YQ1000	1000	3000	410	150	310	76
YQ2000	2000	6000	460	180	350	118
YQ3000	3000	9000	480	210	380	140

圆形电磁起重器 Electro Magnetic Lifter

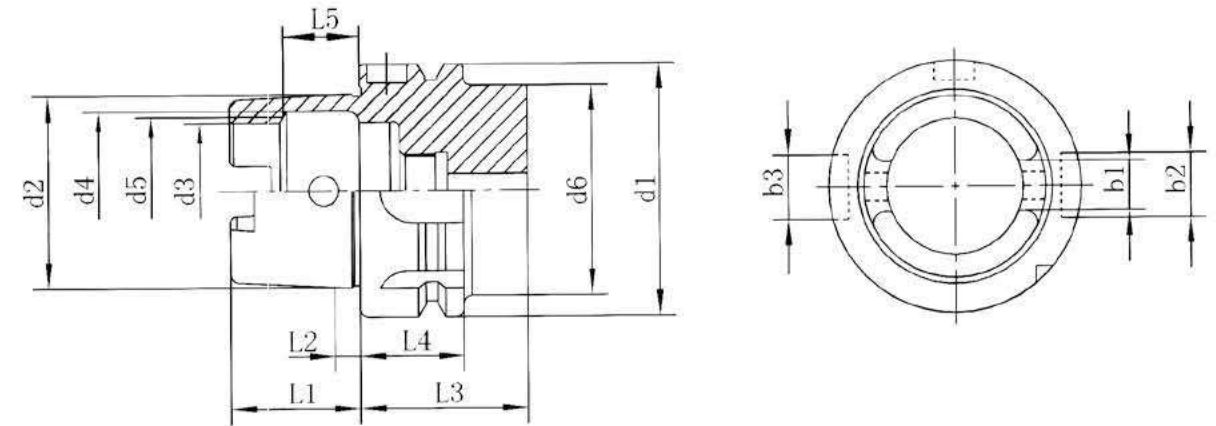


产品性能 Product Performance
 电磁起重器适用于搬运铁锭，钢球、钢卷及各种废铁，起重能力强，可遥控操作，使用安全方便。增加工作效率，降低劳动强度。广泛应用于工厂、货场对钢铁重物做吸持起吊搬运之用。
 Electro Magnetic Lifter used for handling ingots, steel balls, coils and all kinds of scrap iron, strong lifting, remote control operation, use safe and convenient. Increase work efficiency, reduce labor intensity. Widely used in factories, freight yard to do heavy lifting exercise.

Model	Dimensions		Power	Weight
	Diameter	height		
MI W5-70L	700	320	3.3	490
MI W5-80L	800	320	3.96	620
MI W5-90L	900	320	5.9	800
MI W5-110L	1100	320	7.7	1350
MI W5-120L	1200	320	9.02	1800
MI W5-130L	1300	320	12	2010
MI W5-135L	1350	320	13.2	2580
MI W5-150L	1500	320	15.6	2830
MI W5-165L	1650	320	16.5	3450
MI W5-180L	1800	320	22.5	4230
MI W5-185L	1850	320	23.8	4550
MI W5-210L	2100	320	28.4	7000
MI W5-240L	2400	320	33.9	9000

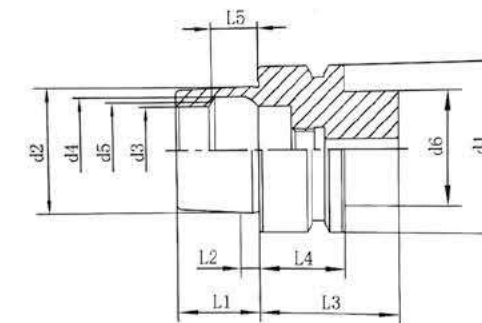
- 所有系列产品型号均可以根据用户要求进行定做，敬请咨询。
- All series products models can be customized according to user requirements, please advice.
- 本公司不断进行研发改进，对于外观、型号、结构的变更，本公司保有最终解释权。(以上仅供参考)
- Our company intend to continous developing improved. As to the change in the appearance, model, structure. Our company has right to keep the interpretation. (The above is for reference only)

尺寸对照图 DIN 69893 HSK-A



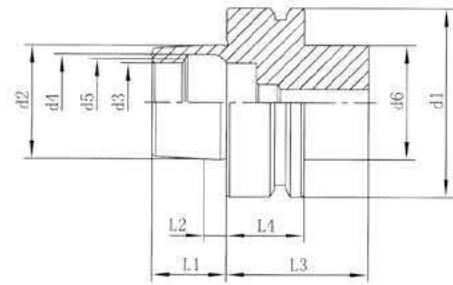
规格	L1 0 -0.2	L2	L3 min	L4	L5 js10	d1 h10	d2	d3 H10	d4 H11	d5	d6 max	b1 ±0.04	b2 H10	b3 H10
HSK32A	16	3.2	35	20	8.92	32	24.007	17	20.5	19	26	7.05	7	9
HSK40A	20	4	35	20	11.42	40	30.007	21	25.5	23	34	8.05	9	11
HSK50A	25	5	42	26	14.12	50	38.009	26	32	29	42	10.54	12	14
HSK63A	32	6.3	42	26	18.13	63	48.01	34	40	37	53	12.54	16	18
HSK80A	40	8	42	26	22.85	80	60.012	42	50	46	68	16.04	18	20
HSK100A	50	10	45	29	28.56	100	75.013	53	63	58	68	20.02	20	22
HSK125A	63	12.5	45	29	36.27	125	95.016	67	80	73	111	25.02	25	28
HSK160A	80	16	47	30	45.98	160	120.016	85	85	92	144	30.02	32	36

尺寸对照图 DIN 69893 HSK-E



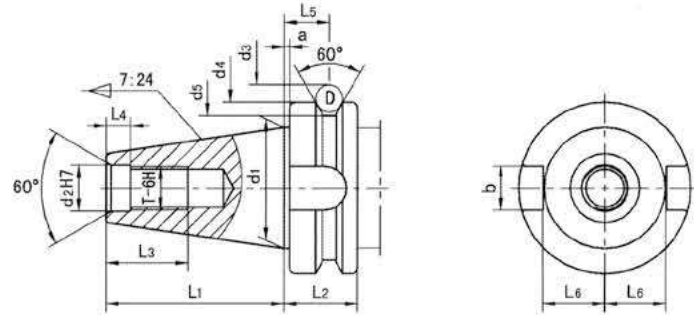
规格	L1 0 -0.2	L2	L3 min	L4	L5 js10	d1 h10	d2	d3 H10	d4 H11	d5	d6 max
HSK32E	16	3.2	35	20	8.92	32	24.007	17	20.5	19	26
HSK40E	20	4	35	20	11.42	40	30.007	21	20.5	23	34
HSK50E	25	5	42	26	14.12	50	38.009	26	32	29	42
HSK63E	32	6.3	42	26	18.13	63	48.01	34	40	37	53

尺寸对照图 DIN 63893 HSK-F



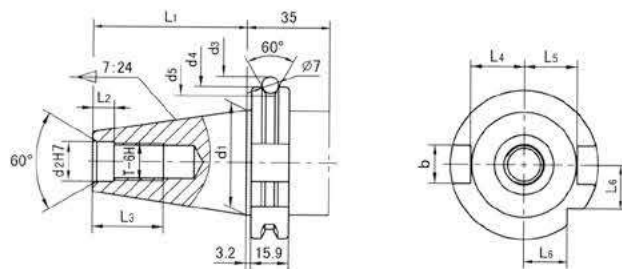
规格	L1	L2	L3	L4	L5	d1	d2	d3	d4	d5	d6
	$0_{-0.2}$		min		js10	h10		H10	H11		max
HSK50F	20	4	42	26	11.42	50	30.007	21	25.5	23	42
HSK63F	25	5	42	26	11.42	63	38.009	26	32	29	53

数控刀柄标准 MAS 403 BT



规格	L1	L2	L3	L4	L5	L6	d1	d2	d3	d4	d5	D	a	b	t
BT30	48.4	22	24	7	13.6	16.3	31.75	12.5	56.144	46	38	8	2	16.1	M12
BT40	65.4	27	30	9	16.6	22.6	44.45	17	75.697	63	53	10	2	16.1	M16
BT50	101.8	38	45	13	23.2	35.4	69.85	25	119.019	100	85	15	3	25.7	M24

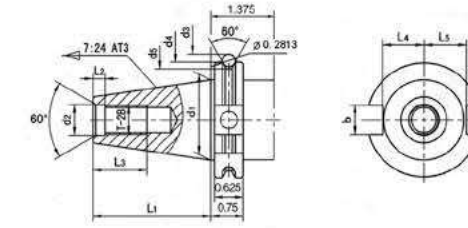
数控刀柄标准 DIN 69871



SK=JT=DAT

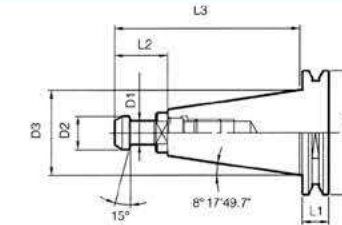
规格	L1	L2	L3	L4	L5	L6	d1	d2	d3	d4	d5	b	t
SK30	47.8	5.5	24	16.4	19	15	31.75	13	59.3	50	44.3	16.1	M12
SK40	68.4	8.2	32	22.8	25	18.5	44.45	17	72.3	63.66	56.25	16.1	M16
SK50	101.75	11.5	47	35.5	37.7	30	69.85	25	107.25	97.5	91.25	25.7	M24

数控刀柄标准 ANSI B5.50CAT



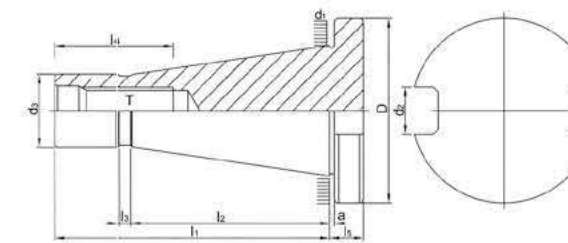
规格	L1	L2	L3	L4	L5	d1	d2	d3	d4	d5	b	t
CAT30	1.875	0.188	1.00	0.64	0.735	1.25	0.516	2.176	1.812	1.531	0.645	1/2" -13
CAT40	2.687	0.188	1.12	0.89	0.985	1.75	0.641	2.863	2.500	2.219	0.645	5/8" -11
CAT50	4.000	0.250	1.75	1.39	1.485	2.75	1.031	4.238	3.875	3.594	1.020	1" -8

ISO 标准



规格	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

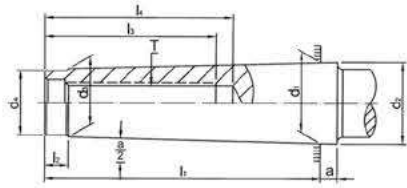


国际标准ISO等效于德国DIN2080 NT 标准
中国XT/GB3837: 30, 40等效于NT标准
ISO is Equivalent to DIN2080 NT
XT/GB3837:30 is Equivalent to NT

TYPE	D	d1	d2	d3	a	l1	l2	l3	l4	l5	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

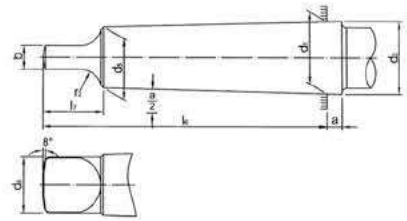
- 1.Taper tolerance < AT3
- 2.Basic material:JIS-SCM415
- 3.Hardness>HRC 56° Carbon depth>0.8mm
- 4.Roundness<0.8 μm
- 5.Surface roughness:Ra<0.25 μm
- 6.Shank body standard:DIN2080

Morse taper specification



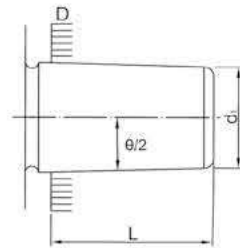
DIN 228 FORM A (Drawing Thread Type)

M.T.NO	a	d ₁	d _{4 max.}	T	l _{1 max.}	l _{3 min.}
2	5	17.78	14	3/8"16W,M10x1.5P	64	24
3	5	23.825	19	1/2"12W,M12x1.75P	81	24
4	6.5	31.267	25	5/8"11W,M16x2.0P	102.5	32
5	6.5	44.399	35.7	1"8W,M24x3.0P	129.5	40
6	8	63.348	51	1"8W,M24x3.0P	182	47



DIN 228 FORM B (Tongue Type)

M.T.NO	a	b _{h13}	d ₅	d _{6 max.}	l _{7 max.}
2	5	6.3	14	13.5	16
3	5	7.9	19.1	18.5	20
4	6.5	11.9	25.2	24.5	24
5	6.5	15.9	36.5	35.7	29
6	8	19	52.4	51	40



JACOBS TAPER

TYPE	θ/2 TAPER	D	d ₁	L
JT2	2°19'52"	14.199	12.386	22.225
JT33	1°49'01"	15.850	14.237	25.400
JT6	1°29'10"	17.170	15.852	25.400
JT3	1°31'26"	20.599	18.951	30.956
JT4	1°29'59"	28.550	26.346	42.069
JT5	1°29'05"	35.890	33.422	47.625

DIN 238

TYPE	θ/2 TAPER	D	d ₁	L
B12	1°25'43"	12.065	11.1	18.5
B16	1°25'50"	15.733	14.5	24.0
B18	1°25'50"	17.780	16.2	32.0