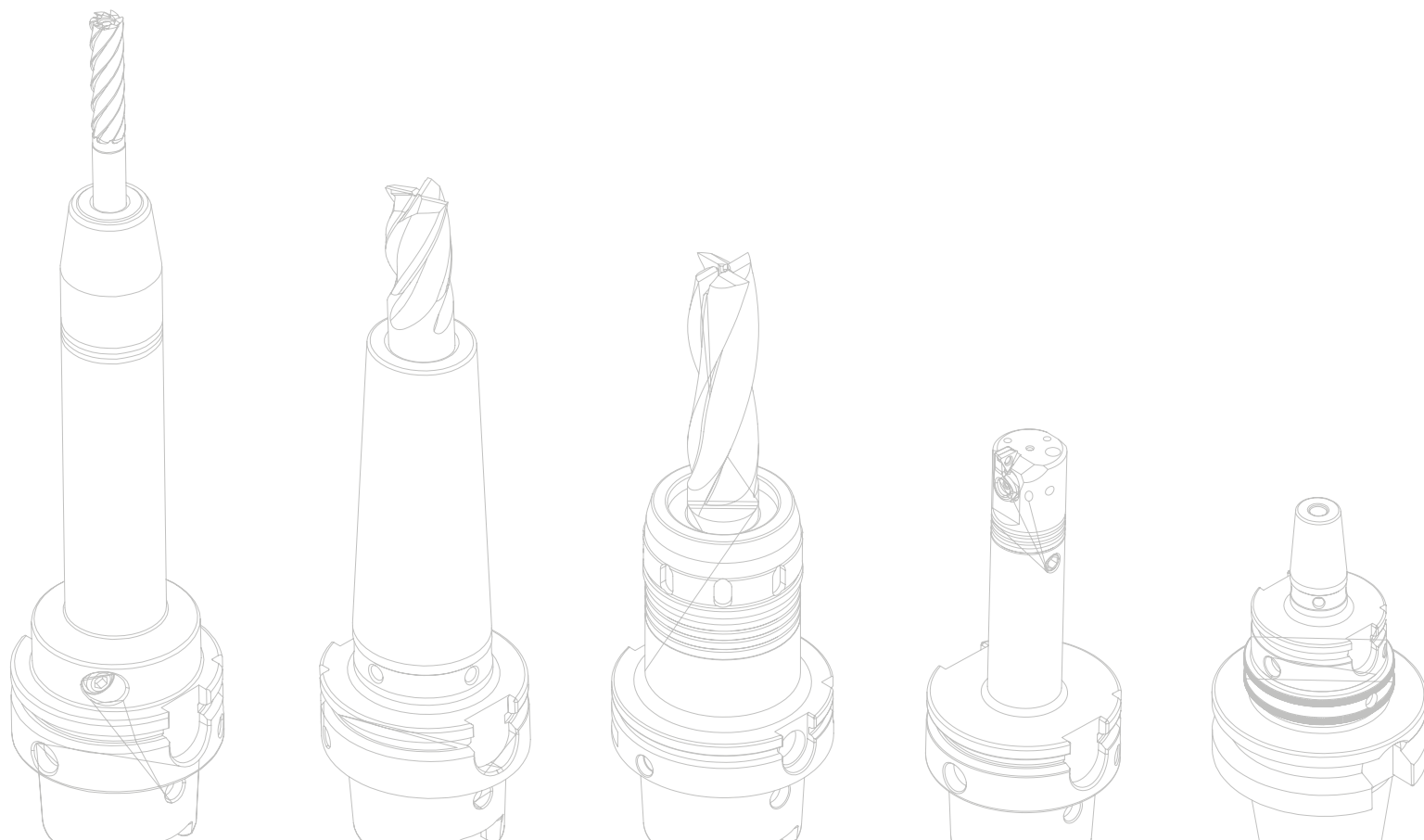


CNC TOOLING SYSTEM



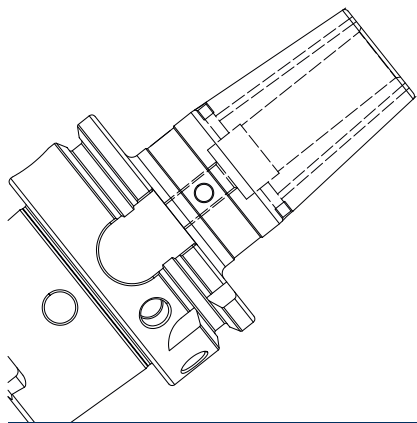
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в России – ООО «СиЭнСиЭм Групп»**

Алтайский край, г. Барнаул, ул. Балтийская, 24

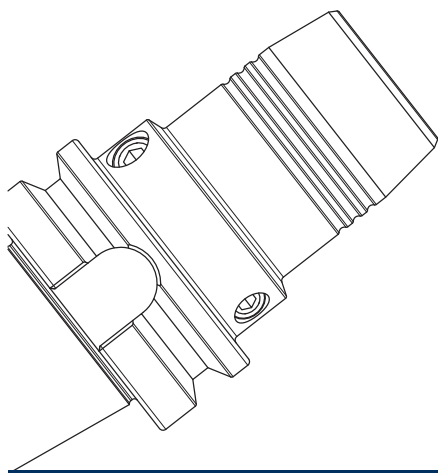
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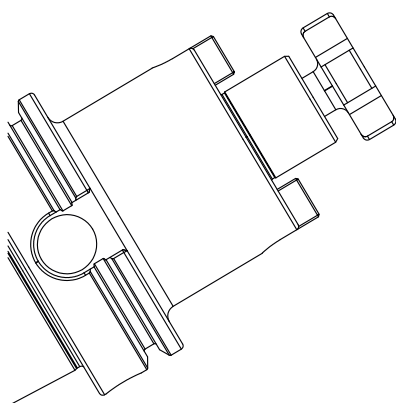
Перейти на сайт



Shrink Fit Chuck.....	A.01-A.73
热缩刀柄	



HYDRAULIC CHUCK.....	B.01-B.26
液压刀柄	



JIS B 6339 BT BBT NBT.....	C.01-C.54
BT 工具系统	

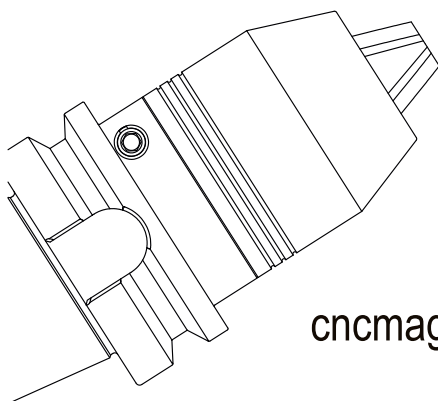
DIN 69871 SK ISO	D.01-D.34
SK 工具系统	

ANSI B5.50 CAT SCAT.....	E.01-E.26
CAT 工具系统	

DIN 69893 (ISO 12164) HSK.....	F.01-F.76
HSK-A/E/F/T 工具系统	

DIN 2080 NT.....	G.01-G.12
NT 工具系统	

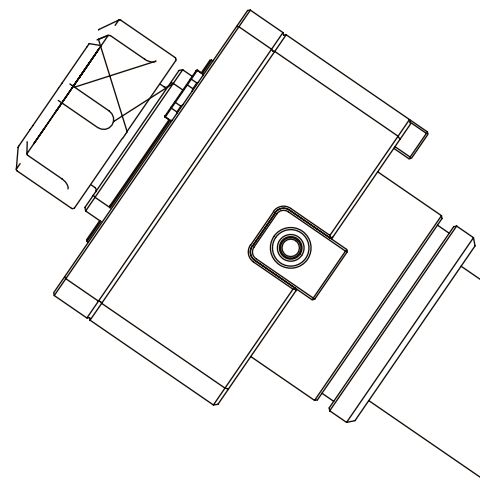
GOST 25827-93.....	H.01-H.09
GOST 工具系统	



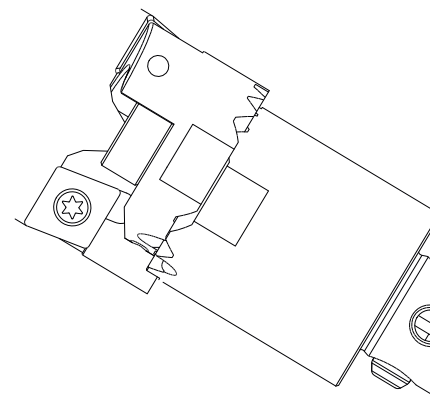
DIN 69880 VDI TOOL HOLDERS.....I.01-I.46
VDI 工具系统

BMT TOOL HOLDERS.....J.01-J.12
BMT 工具系统

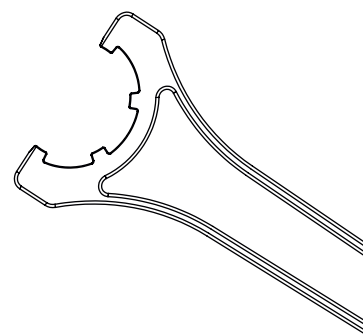
DRIVEN TOOLS.....K.01-K.18
DRIVEN 工具系统



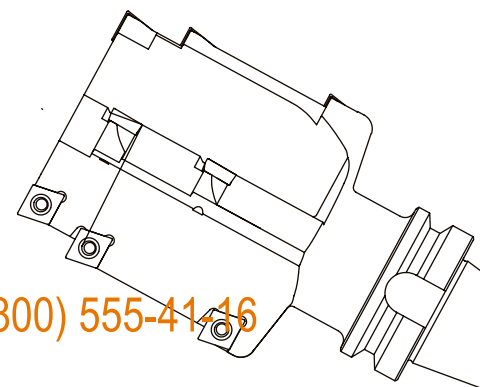
BORING SYSTEM.....L.01-L.19
镗刀系统



ACCESSORY.....M.01-M.64
附件



SPECIAL.....N.01-N.06
非标定制



SHRINK

TOOL HOLDERS

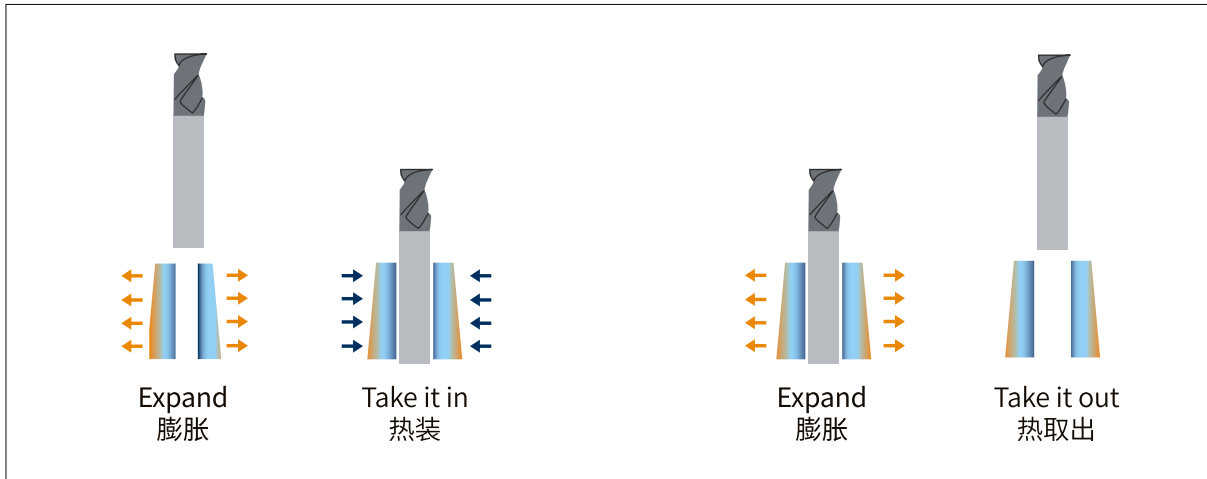


Bright-tools

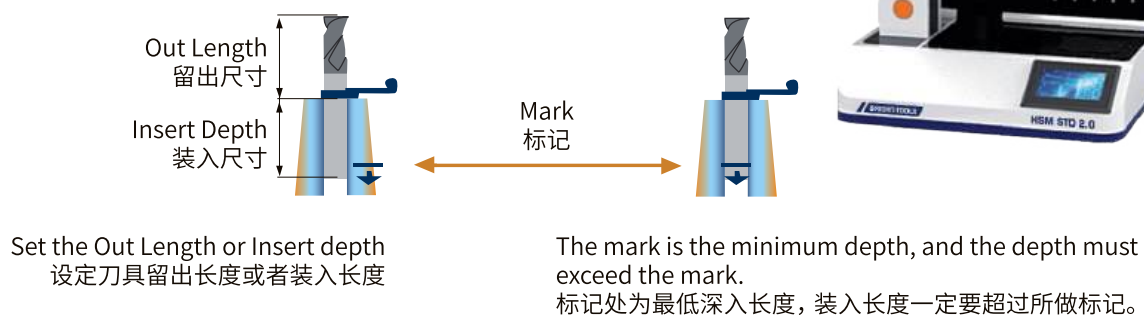
BRIGHT-TOOLS

SHRINK

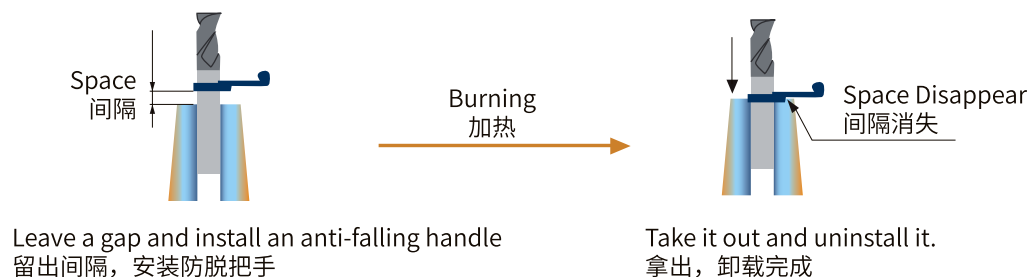
Shrink Fit Chuck Working Principle 热缩刀柄的工作原理



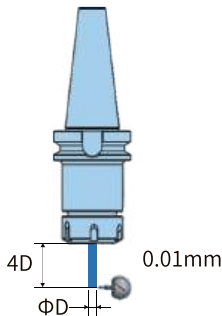
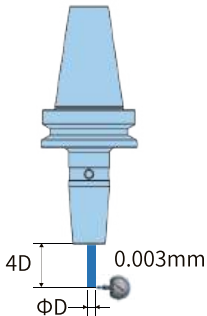
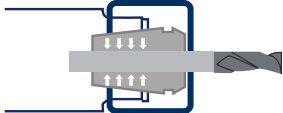
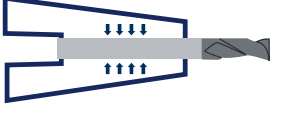
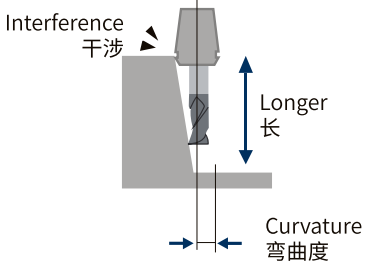
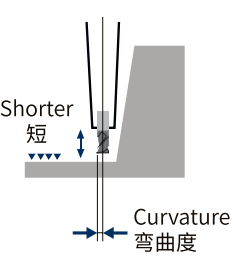
Loading 装刀



Unloading 卸刀



Shrink Fit Chuck Advantages 热缩刀柄加工优势

High Precision 高精度	
Collet Chuck ER 刀柄 	Shrink Fit Chuck 热缩刀柄 
High Clamping Force 高夹持力	
Collet Chuck ER 刀柄  Elastic Deformation 通过 ER 筒夹内部的变形来夹持刀具	Shrink Fit Chuck 热缩刀柄  Thermal Expansion Contractility 利用了热胀冷缩的原理来增加和稳定夹持力
Deep Cavity Machining 深孔加工 防干涉	
Collet Chuck ER 刀柄 	Shrink Fit Chuck 热缩刀柄 

Shrink Fit Chuck Coolant Outlet Method 热缩刀柄出水方式

AD 中心出水



Face Outlet 端面出水



AD+B 中心 + 法兰出水



SHRINK TOOLING SYSTEM

热缩工具系统

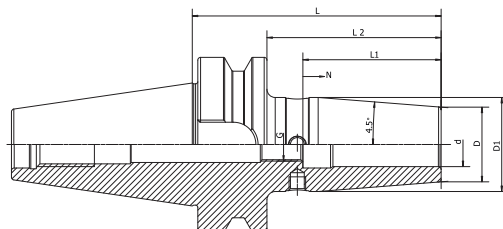
BT Shrink Fit Chuck, Standard, 4.5°A.06	BT Shrink Chuck TaperA.61
BT 热缩刀柄, 标准型	BT 分体热缩本体, 标准型
BBT Shrink Fit Chuck, Standard, 4.5°A.11	SK Shrink Chuck TaperA.62
BBT 热缩刀柄, 标准型	SK 分体热缩本体, 标准型
SK Shrink Fit Chuck, Standard, 4.5°A.14	HSK-A Shrink Chuck TaperA.63
SK 热缩刀柄, 标准型	HSK-A 分体热缩本体, 标准型
CAT Shrink Fit Chuck, Standard, 4.5°A.18	HSK-E Shrink Chuck TaperA.64
CAT 热缩刀柄, 标准型	HSK-E 分体热缩本体, 标准型
HSK-A Shrink Fit Chuck, Standard, 4.5°A.23	HSK-F Shrink Chuck TaperA.65
HSK-A 热缩刀柄, 标准型	HSK-F 分体热缩本体, 标准型
HSK-E Shrink Fit Chuck, Standard, 4.5°A.30	BT Shrink Chuck Taper, Coolant.....A.66
HSK-E 热缩刀柄, 标准型	BT 分体热缩本体, 端面出水型
HSK-F Shrink Fit Chuck, Standard, 4.5°A.32	SK Shrink Chuck Taper, Coolant.....A.66
HSK-F 热缩刀柄, 标准型	SK 分体热缩本体, 端面出水型
BT Shrink Fit Chuck, 4.5°, Coolant A.34	HSK Shrink Chuck Taper, Coolant.....A.67
BT 热缩刀柄, 端面出水型	HSK 分体热缩本体, 端面出水型
BBT Shrink Fit Chuck, 4.5°, Coolant A.36	Shrink Chuck Extension Slim.....A.68
BBT 热缩刀柄, 端面出水型	分体热缩延长杆, 细长型
SK Shrink Fit Chuck, 4.5°, Coolant A.38	Shrink Chuck Extension, Standard.....A.70
SK 热缩刀柄, 端面出水型	分体热缩延长杆, 标准型
CAT Shrink Fit Chuck, 4.5°, Coolant A.40	Shrink Chuck Extension, Coolant.....A.72
CAT 热缩刀柄, 端面出水型	分体热缩延长杆, 端面出水型
HSK Shrink Fit Chuck, 4.5°, Coolant A.45	Shrink Chuck Set.....A.72
HSK 热缩刀柄, 端面出水型	热缩刀柄套装
BT Shrink Fit Chuck, Slim, 3°A.48	Heating MachineA.73
BT 热缩刀柄 3 度, 细长型	热缩机
SK Shrink Fit Chuck, Slim, 3° A.49	
SK 热缩刀柄 3 度, 细长型	
CAT Shrink Fit Chuck, Slim, 3° A.50	
CAT 热缩刀柄 3 度, 细长型	
HSK-A Shrink Fit Chuck, Slim, 3° A.51	
HSK-A 热缩刀柄 3 度, 细长型	
HSK-E Shrink Fit Chuck, Slim, 3° A.53	
HSK-E 热缩刀柄 3 度, 细长型	
Shrink Fit Extension, 3°A.55	
3° 直柄热缩延长杆	
Module Shrink Chuck.....A.57	
法兰热缩刀柄	
Shrink Fit ER Collet.....A.58	
ER 热缩夹头	
Shrink Fit ER Collet Extension.....A.59	
ER 热缩延长杆	
Shrink Chuck Set.....A.60	
热缩刀柄套装	



Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗	RPM	AD
≤0.003	G2.5/25000	

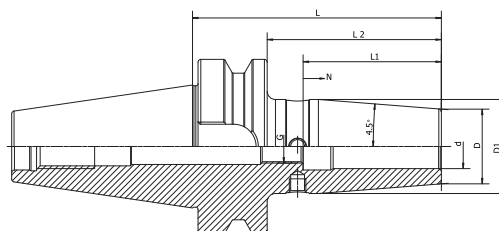


Size	d	D	D1	L	L2	L1	N	G
BT30-SF03-80	3	15	20	80	58	-	-	-
BT30-SF04-80	4	15	20	80	58	-	-	-
BT30-SF05-80	5	15	20	80	58	-	-	-
BT30-SF06-80	6	21	27	80	58	36	10	M5
BT30-SF08-80	8	21	27	80	58	36	10	M6
BT30-SF10-80	10	24	30.5	80	58	42	10	M8x1
BT30-SF12-80	12	24	30.5	80	58	47	10	M10x1
BT30-SF14-80	14	27	33.5	80	58	47	10	M10x1
BT30-SF16-80	16	27	33.5	80	58	50	10	M12x1
BT30-SF18-80	18	33	39.5	80	58	50	10	M12x1
BT30-SF20-80	20	33	39.5	80	58	52	10	M16x1
BT30-SF06-120	6	21	27	120	98	36	10	M5
BT30-SF08-120	8	21	27	120	98	36	10	M6
BT30-SF10-120	10	24	32	120	98	42	10	M8x1
BT30-SF12-120	12	24	32	120	98	47	10	M10x1
BT30-SF16-120	16	27	34	120	98	50	10	M12x1
BT30-SF20-120	20	33	42	120	98	52	10	M16x1
BT40-SF03-80	3	15	20	80	53	-	-	-
BT40-SF04-80	4	15	20	80	53	-	-	-
BT40-SF05-80	5	15	20	80	53	-	-	-
BT40-SF06-90	6	21	27	90	63	36	10	M5
BT40-SF08-90	8	21	27	90	63	36	10	M6
BT40-SF10-90	10	24	31	90	63	42	10	M8x1
BT40-SF12-90	12	24	31	90	63	47	10	M10x1
BT40-SF14-90	14	27	34	90	63	47	10	M10x1
BT40-SF16-90	16	27	34	90	63	50	10	M12x1
BT40-SF18-90	18	33	40	90	63	50	10	M12x1
BT40-SF20-90	20	33	40	90	63	52	10	M16x1
BT40-SF25-100	25	44	53	100	73	58	10	M16x1
BT40-SF32-100	32	44	53	100	73	62	10	M16x1
BT40-SF03-120	3	15	20	120	93	-	-	-
BT40-SF04-120	4	15	20	120	93	-	-	-
BT40-SF05-120	5	15	20	120	93	-	-	-
BT40-SF06-120	6	21	27	120	93	36	10	M5

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

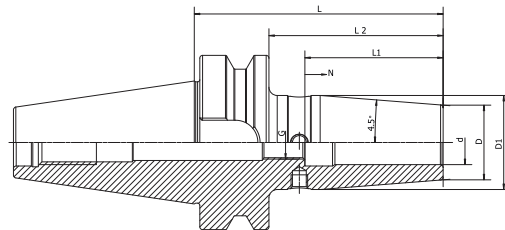


Size	d	D	D1	L	L2	L1	N	G
BT40-SF08-120	8	21	27	120	93	36	10	M6
BT40-SF10-120	10	24	32	120	93	42	10	M8x1
BT40-SF12-120	12	24	32	120	93	47	10	M10x1
BT40-SF14-120	14	27	34	120	93	47	10	M10x1
BT40-SF16-120	16	27	34	120	93	50	10	M12x1
BT40-SF18-120	18	33	42	120	93	50	10	M12x1
BT40-SF20-120	20	33	42	120	93	52	10	M16x1
BT40-SF25-120	25	44	53	120	93	58	10	M16x1
BT40-SF32-120	32	44	53	120	93	62	10	M16x1
BT40-SF03-160	3	15	25	160	133	-	-	-
BT40-SF04-160	4	15	25	160	133	-	-	-
BT40-SF05-160	5	15	25	160	133	-	-	-
BT40-SF06-160	6	21	32	160	133	36	10	M5
BT40-SF08-160	8	21	32	160	133	36	10	M6
BT40-SF10-160	10	24	34	160	133	42	10	M8x1
BT40-SF12-160	12	24	34	160	133	47	10	M10x1
BT40-SF14-160	14	27	42	160	133	47	10	M10x1
BT40-SF16-160	16	27	42	160	133	50	10	M12x1
BT40-SF18-160	18	33	51	160	133	50	10	M12x1
BT40-SF20-160	20	33	51	160	133	52	10	M16x1
BT40-SF25-160	25	44	53	160	133	58	10	M16x1
BT40-SF32-160	32	44	60	160	133	62	10	M16x1
BT40-SF06-200	6	21	32	200	173	36	10	M5
BT40-SF08-200	8	21	32	200	173	36	10	M6
BT40-SF10-200	10	24	34	200	173	42	10	M8x1
BT40-SF12-200	12	24	34	200	173	47	10	M10x1
BT40-SF14-200	14	27	42	200	173	47	10	M10x1
BT40-SF16-200	16	27	42	200	173	50	10	M12x1
BT40-SF18-200	18	33	51	200	173	50	10	M12x1
BT40-SF20-200	20	33	51	200	173	52	10	M16x1
BT40-SF25-200	25	44	53	200	173	58	10	M16x1
BT40-SF32-200	32	44	60	200	173	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

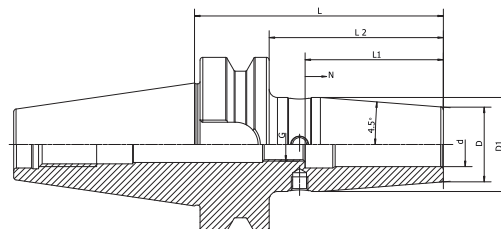


Size	d	D	D1	L	L2	L1	N	G
BT50-SF03-100	3	15	20	100	62	-	-	-
BT50-SF04-100	4	15	20	100	62	-	-	-
BT50-SF05-100	5	15	20	100	62	-	-	-
BT50-SF06-100	6	21	27	100	62	36	10	M5
BT50-SF08-100	8	21	27	100	62	36	10	M6
BT50-SF10-100	10	24	30.5	100	62	42	10	M8x1
BT50-SF12-100	12	24	30.5	100	62	47	10	M10x1
BT50-SF14-100	14	27	34	100	62	47	10	M10x1
BT50-SF16-100	16	27	34	100	62	50	10	M12x1
BT50-SF18-100	18	33	40	100	62	50	10	M12x1
BT50-SF20-100	20	33	40	100	62	52	10	M16x1
BT50-SF03-120	3	15	20	120	82	-	-	-
BT50-SF04-120	4	15	20	120	82	-	-	-
BT50-SF05-120	5	15	20	120	82	-	-	-
BT50-SF06-120	6	21	27	120	82	36	10	M5
BT50-SF08-120	8	21	27	120	82	36	10	M6
BT50-SF10-120	10	24	32	120	82	42	10	M8x1
BT50-SF12-120	12	24	32	120	82	47	10	M10x1
BT50-SF14-120	14	27	34	120	82	47	10	M10x1
BT50-SF16-120	16	27	34	120	82	50	10	M12x1
BT50-SF18-120	18	33	42	120	82	50	10	M12x1
BT50-SF20-120	20	33	42	120	82	52	10	M16x1
BT50-SF25-120	25	44	53	120	82	58	10	M16x1
BT50-SF32-120	32	44	53	120	82	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗ ≤0.003	RPM G2.5/25000	 AD
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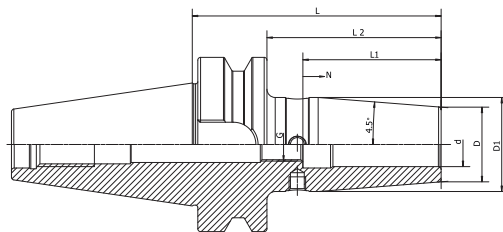


Size	d	D	D1	L	L2	L1	N	G
BT50-SF03-160	3	15	25	160	122	-	-	-
BT50-SF04-160	4	15	25	160	122	-	-	-
BT50-SF05-160	5	15	25	160	122	-	-	-
BT50-SF06-160	6	21	32	160	122	36	10	M5
BT50-SF08-160	8	21	32	160	122	36	10	M6
BT50-SF10-160	10	24	34	160	122	42	10	M8x1
BT50-SF12-160	12	24	34	160	122	47	10	M10x1
BT50-SF14-160	14	27	42	160	122	47	10	M10x1
BT50-SF16-160	16	27	42	160	122	50	10	M12x1
BT50-SF18-160	18	33	49	160	122	50	10	M12x1
BT50-SF20-160	20	33	49	160	122	52	10	M16x1
BT50-SF25-160	25	44	60	160	122	58	10	M16x1
BT50-SF32-160	32	44	60	160	122	62	10	M16x1
BT50-SF06-200	6	21	32	200	162	36	10	M5
BT50-SF08-200	8	21	32	200	162	36	10	M6
BT50-SF10-200	10	24	34	200	162	42	10	M8x1
BT50-SF12-200	12	24	34	200	162	47	10	M10x1
BT50-SF14-200	14	27	42	200	162	47	10	M10x1
BT50-SF16-200	16	27	42	200	162	50	10	M12x1
BT50-SF18-200	18	33	51	200	162	50	10	M12x1
BT50-SF20-200	20	33	51	200	162	52	10	M16x1
BT50-SF25-200	25	44	60	200	162	58	10	M16x1
BT50-SF32-200	32	44	60	200	162	62	10	M16x1
BT50-SF06-250	6	21	32	250	212	36	10	M5
BT50-SF08-250	8	21	32	250	212	36	10	M6
BT50-SF10-250	10	24	34	250	212	42	10	M8x1
BT50-SF12-250	12	24	34	250	212	47	10	M10x1
BT50-SF16-250	16	27	42	250	212	50	10	M12x1
BT50-SF18-250	18	33	51	250	212	50	10	M12x1
BT50-SF20-250	20	33	51	250	212	52	10	M16x1
BT50-SF25-250	25	44	60	250	212	58	10	M16x1
BT50-SF32-250	32	44	60	250	212	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

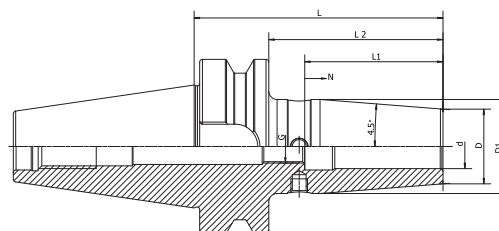


Size	d	D	D1	L	L2	L1	N	G
BT30-SF1/4"-3.15"	1/4"	0.83"	1.06"	3.15"	2.28"	1.42"	0.39"	M5
BT30-SF3/8"-3.15"	3/8"	0.95"	1.26"	3.15"	2.28"	1.65"	0.39"	M8 x 1
BT30-SF1/2"-3.15"	1/2"	0.94"	1.34"	3.15"	2.28"	1.85"	0.39"	M10 x 1
BT30-SF5/8"-3.15"	5/8"	1.06"	1.34"	3.15"	2.28"	1.97"	0.39"	M12 x 1
BT30-SF3/4"-3.15"	3/4"	1.29"	1.62"	3.15"	2.28"	2.04"	0.39"	M16 x 2.0
BT40-SF3/16"-3.54	3/16"	0.43"	0.75"	3.54"	2.67"	0.79"	-	M6 x 1.0
BT40-SF1/4"-3.54	1/4"	0.82"	1.06"	3.54"	2.67"	1.42"	0.39"	M5 x 0.8
BT40-SF3/8"-3.54	3/8"	0.94"	1.25"	3.54"	2.67"	1.65"	0.39"	-
BT40-SF1/2"-3.54	1/2"	1.10"	1.34"	3.54"	2.67"	1.85"	0.39"	M10 x 1.5
BT40-SF5/8"-3.54	5/8"	1.06"	1.34"	3.54"	2.67"	1.96"	0.39"	M12 x 1.75
BT40-SF3/4"-3.54	3/4"	1.29"	1.65"	3.54"	2.67"	2.04"	0.39"	M16 x 2.0
BT40-SF1.0"-3.54	1.0"	1.73"	2.08"	3.54"	2.67"	2.28"	0.39"	M20 x 2.0
BT40-SF1-1/4"-4.13	1-1/4"	1.81"	2.08"	4.13"	3.26"	2.28"	0.39"	M20 x 2.0
BT40-SF1/8"-6.3"	1/8"	0.36"	0.63"	6"	5.13"	0.70"	-	M6 x 1.0
BT40-SF3/16"-6.3"	3/16"	0.43"	0.70"	6"	5.13"	0.79"	-	M6 x 1.0
BT40-SF1/4"-6.3"	1/4"	0.49"	0.83"	6"	5.13"	1.42"	0.39"	M5 x 0.8
BT40-SF3/8"-6.3"	3/8"	0.61"	0.94"	6"	5.13"	1.65"	0.39"	M8 x 1.25
BT40-SF1/2"-6.3"	1/2"	0.74"	1.06"	6"	5.13"	1.85"	0.39"	M10 x 1.5
BT40-SF5/8"-6.3"	5/8"	1.06"	1.34"	6"	5.13"	1.96"	0.39"	M12 x 1.75
BT40-SF3/4"-6.3"	3/4"	1.29"	1.65"	6"	5.13"	1.65"	0.39"	M16 x 2.0
BT40-SF1"-6.3"	1"	1.73"	2.09"	6"	5.13"	2.28"	0.39"	M20 x 2.0

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗ ≤0.003	RPM G2.5/25000	AD
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Size	d	D	D1	L	L2	L1	N	G
BBT40-SF03-80	3	15	20	80	53	-	-	-
BBT40-SF04-80	4	15	20	80	53	-	-	-
BBT40-SF05-80	5	15	20	80	53	-	-	-
BBT40-SF06-90	6	21	27	90	63	36	10	M5
BBT40-SF08-90	8	21	27	90	63	36	10	M6
BBT40-SF10-90	10	24	31	90	63	42	10	M8x1
BBT40-SF12-90	12	24	31	90	63	47	10	M10x1
BBT40-SF14-90	14	27	34	90	63	47	10	M10x1
BBT40-SF16-90	16	27	34	90	63	50	10	M12x1
BBT40-SF18-90	18	33	40	90	63	50	10	M12x1
BBT40-SF20-90	20	33	40	90	63	52	10	M16x1
BBT40-SF25-100	25	44	53	100	73	58	10	M16x1
BBT40-SF32-100	32	44	53	100	73	62	10	M16x1
BBT40-SF03-120	3	15	20	120	93	-	-	-
BBT40-SF04-120	4	15	20	120	93	-	-	-
BBT40-SF05-120	5	15	20	120	93	-	-	-
BBT40-SF06-120	6	21	27	120	93	36	10	M5
BBT40-SF08-120	8	21	27	120	93	36	10	M6
BBT40-SF10-120	10	24	32	120	93	42	10	M8x1
BBT40-SF12-120	12	24	32	120	93	47	10	M10x1
BBT40-SF14-120	14	27	34	120	93	47	10	M10x1
BBT40-SF16-120	16	27	34	120	93	50	10	M12x1
BBT40-SF18-120	18	33	42	120	93	50	10	M12x1
BBT40-SF20-120	20	33	42	120	93	52	10	M16x1
BBT40-SF25-120	25	44	53	120	93	58	10	M16x1
BBT40-SF32-120	32	44	53	120	93	62	10	M16x1

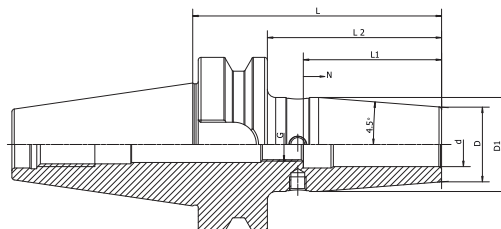
Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗
≤0.003

RPM
G2.5/25000

AD

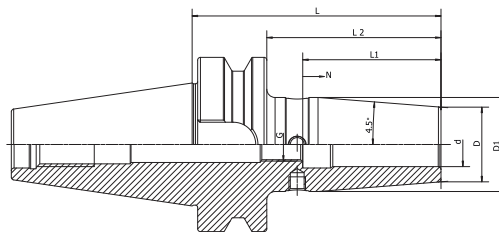


Size	d	D	D1	L	L2	L1	N	G
BBT40-SF03-160	3	15	25	160	133	-	-	-
BBT40-SF04-160	4	15	25	160	133	-	-	-
BBT40-SF05-160	5	15	25	160	133	-	-	-
BBT40-SF06-160	6	21	32	160	133	36	10	M5
BBT40-SF08-160	8	21	32	160	133	36	10	M6
BBT40-SF10-160	10	24	34	160	133	42	10	M8x1
BBT40-SF12-160	12	24	34	160	133	47	10	M10x1
BBT40-SF14-160	14	27	42	160	133	47	10	M10x1
BBT40-SF16-160	16	27	42	160	133	50	10	M12x1
BBT40-SF18-160	18	33	51	160	133	50	10	M12x1
BBT40-SF20-160	20	33	51	160	133	52	10	M16x1
BBT40-SF25-160	25	44	53	160	133	58	10	M16x1
BBT40-SF32-160	32	44	60	160	133	62	10	M16x1
BBT50-SF03-100	3	15	20	100	62	-	-	-
BBT50-SF04-100	4	15	20	100	62	-	-	-
BBT50-SF05-100	5	15	20	100	62	-	-	-
BBT50-SF06-100	6	21	27	100	62	36	10	M5
BBT50-SF08-100	8	21	27	100	62	36	10	M6
BBT50-SF10-100	10	24	30.5	100	62	42	10	M8x1
BBT50-SF12-100	12	24	30.5	100	62	47	10	M10x1
BBT50-SF14-100	14	27	34	100	62	47	10	M10x1
BBT50-SF16-100	16	27	34	100	62	50	10	M12x1
BBT50-SF18-100	18	33	40	100	62	50	10	M12x1
BBT50-SF20-100	20	33	40	100	62	52	10	M16x1
BBT50-SF25-120	25	44	53	120	82	58	10	M16x1
BBT50-SF32-120	32	44	53	120	82	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD



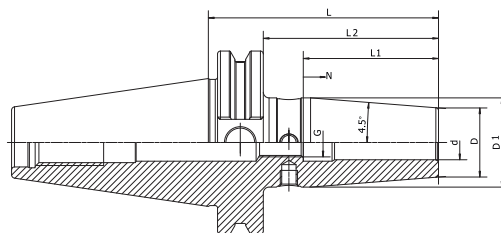
Size	d	D	D1	L	L2	L1	N	G
BBT50-SF03-120	3	15	20	120	82	-	-	-
BBT50-SF04-120	4	15	20	120	82	-	-	-
BBT50-SF05-120	5	15	20	120	82	-	-	-
BBT50-SF06-120	6	21	27	120	82	36	10	M5
BBT50-SF08-120	8	21	27	120	82	36	10	M6
BBT50-SF10-120	10	24	32	120	82	42	10	M8x1
BBT50-SF12-120	12	24	32	120	82	47	10	M10x1
BBT50-SF14-120	14	27	34	120	82	47	10	M10x1
BBT50-SF16-120	16	27	34	120	82	50	10	M12x1
BBT50-SF18-120	18	33	42	120	82	50	10	M12x1
BBT50-SF20-120	20	33	42	120	82	52	10	M16x1
BBT50-SF03-160	3	15	25	160	122	-	-	-
BBT50-SF04-160	4	15	25	160	122	-	-	-
BBT50-SF05-160	5	15	25	160	122	-	-	-
BBT50-SF06-160	6	21	32	160	122	36	10	M5
BBT50-SF08-160	8	21	32	160	122	36	10	M6
BBT50-SF10-160	10	24	34	160	122	42	10	M8x1
BBT50-SF12-160	12	24	34	160	122	47	10	M10x1
BBT50-SF14-160	14	27	42	160	122	47	10	M10x1
BBT50-SF16-160	16	27	42	160	122	50	10	M12x1
BBT50-SF18-160	18	33	49	160	122	50	10	M12x1
BBT50-SF20-160	20	33	49	160	122	52	10	M16x1
BBT50-SF25-160	25	44	60	160	122	58	10	M16x1
BBT50-SF32-160	32	44	60	160	122	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型



A ↗	RPM	
≤0.003	G2.5/25000	AD/B

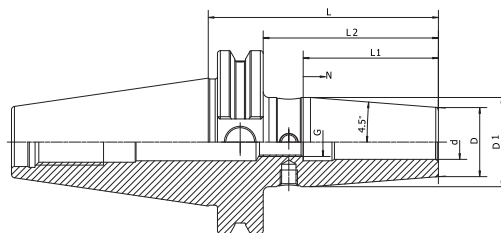


Size	d	D	D1	L	L2	L1	N	G
SK30-SF03-80	3	15	20	80	60.9	-	-	-
SK30-SF04-80	4	15	20	80	60.9	-	-	-
SK30-SF05-80	5	15	20	80	60.9	-	-	-
SK30-SF06-80	6	21	27	80	60.9	36	10	M5
SK30-SF08-80	8	21	27	80	60.9	36	10	M6
SK30-SF10-80	10	24	32	80	60.9	42	10	M8x1
SK30-SF12-80	12	24	32	80	60.9	47	10	M10x1
SK30-SF14-80	14	27	34	80	60.9	47	10	M10x1
SK30-SF16-80	16	27	34	80	60.9	50	10	M12x1
SK30-SF18-80	18	33	42	80	60.9	50	10	M12x1
SK30-SF20-80	20	33	42	80	60.9	52	10	M16x1
SK30-SF03-120	3	15	20	120	100.9	-	-	-
SK30-SF04-120	4	15	20	120	100.9	-	-	-
SK30-SF05-120	5	15	20	120	100.9	-	-	-
SK30-SF06-120	6	21	27	120	100.9	36	10	M5
SK30-SF08-120	8	21	27	120	100.9	36	10	M6
SK30-SF10-120	10	24	32	120	100.9	42	10	M8x1
SK30-SF12-120	12	24	32	120	100.9	47	10	M10x1
SK30-SF16-120	16	27	34	120	100.9	50	10	M12x1
SK40-SF03-80	3	15	20	80	60.9	-	-	-
SK40-SF04-80	4	15	20	80	60.9	-	-	-
SK40-SF05-80	5	15	20	80	60.9	-	-	-
SK40-SF06-80	6	21	27	80	60.9	36	10	M5
SK40-SF08-80	8	21	27	80	60.9	36	10	M6
SK40-SF10-80	10	24	31	80	60.9	42	10	M8x1
SK40-SF12-80	12	24	31	80	60.9	47	10	M10x1
SK40-SF14-80	14	27	34	80	60.9	47	10	M10x1
SK40-SF16-80	16	27	34	80	60.9	50	10	M12x1
SK40-SF18-80	18	33	40	80	60.9	50	10	M12x1
SK40-SF20-80	20	33	40	80	60.9	52	10	M16x1
SK40-SF25-100	25	44	50	100	80.9	58	10	M16x1
SK40-SF32-100	32	44	50	100	80.9	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗ ≤0.003	RPM G2.5/25000	 AD/B
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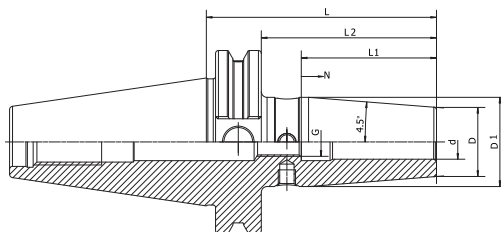


Size	d	D	D1	L	L2	L1	N	G
SK40-SF03-120	3	15	20	120	100.9	-	-	-
SK40-SF04-120	4	15	20	120	100.9	-	-	-
SK40-SF05-120	5	15	20	120	100.9	-	-	-
SK40-SF06-120	6	21	27	120	100.9	36	10	M5
SK40-SF08-120	8	21	27	120	100.9	36	10	M6
SK40-SF10-120	10	24	32	120	100.9	42	10	M8x1
SK40-SF12-120	12	24	32	120	100.9	47	10	M10x1
SK40-SF14-120	14	27	34	120	100.9	47	10	M10x1
SK40-SF16-120	16	27	34	120	100.9	50	10	M12x1
SK40-SF18-120	18	31	42	120	100.9	50	10	M12x1
SK40-SF20-120	20	31	42	120	100.9	52	10	M16x1
SK40-SF25-120	25	44	50	120	100.9	58	10	M16x1
SK40-SF03-160	3	15	20	160	140.9	-	-	-
SK40-SF04-160	4	15	20	160	140.9	-	-	-
SK40-SF05-160	5	15	20	160	140.9	-	-	-
SK40-SF06-160	6	21	32	160	140.9	36	10	M5
SK40-SF08-160	8	21	32	160	140.9	36	10	M6
SK40-SF10-160	10	24	34	160	140.9	42	10	M8x1
SK40-SF12-160	12	24	34	160	140.9	47	10	M10x1
SK40-SF14-160	14	27	42	160	140.9	47	10	M10x1
SK40-SF16-160	16	27	42	160	140.9	50	10	M12x1
SK40-SF18-160	18	33	50	160	140.9	50	10	M12x1
SK40-SF20-160	20	33	50	160	140.9	52	10	M16x1
SK40-SF25-160	25	44	50	160	140.9	58	10	M16x1
SK40-SF32-160	32	44	50	160	140.9	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD/B

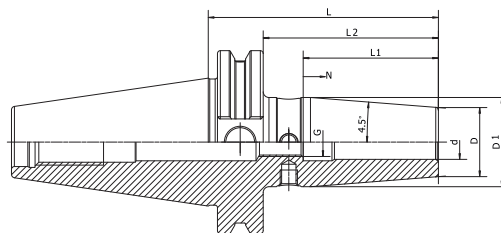


Size	d	D	D1	L	L2	L1	N	G
SK40-SF06-200	6	21	32	200	180.9	36	10	M5
SK40-SF08-200	8	21	32	200	180.9	36	10	M6
SK40-SF10-200	10	24	34	200	180.9	42	10	M8x1
SK40-SF12-200	12	24	34	200	180.9	47	10	M10x1
SK40-SF14-200	14	27	42	200	180.9	47	10	M10x1
SK40-SF16-200	16	27	42	200	180.9	50	10	M12x1
SK40-SF18-200	18	33	50	200	180.9	50	10	M12x1
SK40-SF20-200	20	33	50	200	180.9	52	10	M16x1
SK40-SF25-200	25	44	50	200	180.9	58	10	M16x1
SK40-SF32-200	32	44	50	200	180.9	62	10	M16x1
SK50-SF06-80	6	21	27	80	60.9	36	10	M5
SK50-SF08-80	8	21	27	80	60.9	36	10	M6
SK50-SF10-80	10	24	31	80	60.9	42	10	M8x1
SK50-SF12-80	12	24	31	80	60.9	47	10	M10x1
SK50-SF14-80	14	27	34	80	60.9	47	10	M10x1
SK50-SF16-80	16	27	34	80	60.9	50	10	M12x1
SK50-SF18-80	18	33	40	80	60.9	50	10	M12x1
SK50-SF20-80	20	33	39.5	80	60.9	52	10	M16x1
SK50-SF25-90	25	44	52.5	90	70.9	58	10	M16x1
SK50-SF32-90	32	44	52.5	90	70.9	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗ ≤0.003	RPM G2.5/25000	 AD/B
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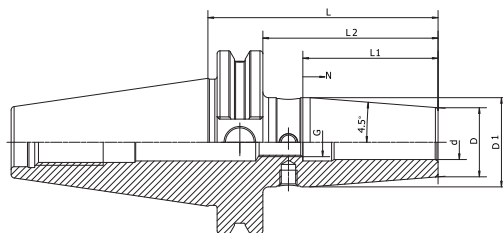


Size	d	D	D1	L	L2	L1	N	G
SK50-SF06-120	6	21	27	120	100.9	36	10	M5
SK50-SF08-120	8	21	27	120	100.9	36	10	M6
SK50-SF10-120	10	24	32	120	100.9	42	10	M8x1
SK50-SF12-120	12	24	32	120	100.9	47	10	M10x1
SK50-SF14-120	14	27	34	120	100.9	47	10	M10x1
SK50-SF16-120	16	27	34	120	100.9	50	10	M12x1
SK50-SF18-120	18	33	42	120	100.9	50	10	M12x1
SK50-SF20-120	20	33	42	120	100.9	52	10	M16x1
SK50-SF25-120	25	44	53	120	100.9	58	10	M16x1
SK50-SF32-120	32	44	53	120	100.9	62	10	M16x1
SK50-SF06-160	6	21	32	160	140.9	36	10	M5
SK50-SF08-160	8	21	32	160	140.9	36	10	M6
SK50-SF10-160	10	24	34	160	140.9	42	10	M8x1
SK50-SF12-160	12	24	34	160	140.9	47	10	M10x1
SK50-SF14-160	14	27	42	160	140.9	47	10	M10x1
SK50-SF16-160	16	27	42	160	140.9	50	10	M12x1
SK50-SF18-160	18	33	51	160	140.9	50	10	M12x1
SK50-SF20-160	20	33	51	160	140.9	52	10	M16x1
SK50-SF25-160	25	44	60	160	140.9	58	10	M16x1
SK50-SF32-160	32	44	60	160	140.9	62	10	M16x1
SK50-SF06-200	6	21	32	200	180.9	36	10	M5
SK50-SF08-200	8	21	32	200	180.9	36	10	M6
SK50-SF10-200	10	24	34	200	180.9	42	10	M8x1
SK50-SF12-200	12	24	34	200	180.9	47	10	M10x1
SK50-SF14-200	14	27	42	200	180.9	47	10	M10x1
SK50-SF16-200	16	27	42	200	180.9	50	10	M12x1
SK50-SF18-200	18	33	51	200	180.9	50	10	M12x1
SK50-SF20-200	20	33	51	200	180.9	52	10	M16x1
SK50-SF25-200	25	44	60	200	180.9	58	10	M16x1
SK50-SF32-200	32	44	60	200	180.9	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

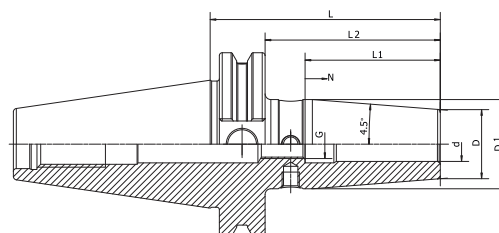


Size	d	D	D1	L	L2	L1	N	G
CAT40-SF03-80	3	15	20	80	60.9	-	-	-
CAT40-SF04-80	4	15	20	80	60.9	-	-	-
CAT40-SF05-80	5	15	20	80	60.9	-	-	-
CAT40-SF06-80	6	21	27	80	60.9	36	10	M5
CAT40-SF08-80	8	21	27	80	60.9	36	10	M6
CAT40-SF10-80	10	24	31	80	60.9	42	10	M8x1
CAT40-SF12-80	12	24	31	80	60.9	47	10	M10x1
CAT40-SF14-80	14	27	34	80	60.9	47	10	M10x1
CAT40-SF16-80	16	27	34	80	60.9	50	10	M12x1
CAT40-SF18-80	18	33	40	80	60.9	50	10	M12x1
CAT40-SF20-80	20	33	40	80	60.9	52	10	M16x1
CAT40-SF25-100	25	44	50	100	80.9	58	10	M16x1
CAT40-SF32-100	32	44	50	100	80.9	62	10	M16x1
CAT40-SF06-120	6	21	27	120	100.9	36	10	M5
CAT40-SF08-120	8	21	27	120	100.9	36	10	M6
CAT40-SF10-120	10	24	32	120	100.9	42	10	M8x1
CAT40-SF12-120	12	24	32	120	100.9	47	10	M10x1
CAT40-SF14-120	14	27	34	120	100.9	47	10	M10x1
CAT40-SF16-120	16	27	34	120	100.9	50	10	M12x1
CAT40-SF18-120	18	33	42	120	100.9	50	10	M12x1
CAT40-SF20-120	20	33	42	120	100.9	52	10	M16x1
CAT40-SF25-120	25	44	50	120	100.9	58	10	M16x1
CAT40-SF06-160	6	21	32	160	140.9	36	10	M5
CAT40-SF08-160	8	21	32	160	140.9	36	10	M6
CAT40-SF10-160	10	24	34	160	140.9	42	10	M8x1
CAT40-SF12-160	12	24	34	160	140.9	47	10	M10x1
CAT40-SF14-160	14	27	42	160	140.9	47	10	M10x1
CAT40-SF16-160	16	27	42	160	140.9	50	10	M12x1
CAT40-SF18-160	18	33	50	160	140.9	50	10	M12x1
CAT40-SF20-160	20	33	50	160	140.9	52	10	M16x1
CAT40-SF25-160	25	44	50	160	140.9	58	10	M16x1
CAT40-SF32-160	32	44	50	160	140.9	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗ ≤0.003	RPM G2.5/25000	AD
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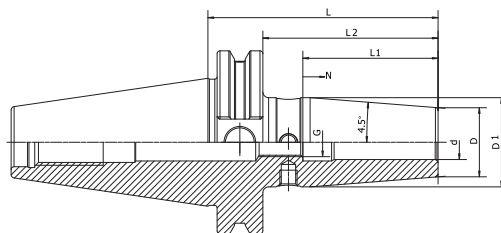


Size	d	D	D1	L	L2	L1	N	G
CAT40-SF06-200	6	21	32	200	180.9	36	10	M5
CAT40-SF08-200	8	21	32	200	180.9	36	10	M6
CAT40-SF10-200	10	24	34	200	180.9	42	10	M8x1
CAT40-SF12-200	12	24	34	200	180.9	47	10	M10x1
CAT40-SF14-200	14	27	42	200	180.9	47	10	M10x1
CAT40-SF16-200	16	27	42	200	180.9	50	10	M12x1
CAT40-SF18-200	18	33	50	200	180.9	50	10	M12x1
CAT40-SF20-200	20	33	50	200	180.9	52	10	M16x1
CAT40-SF25-200	25	44	50	200	180.9	58	10	M16x1
CAT40-SF32-200	32	44	50	200	180.9	62	10	M16x1
CAT50-SF06-80	6	21	27	80	60.9	36	10	M5
CAT50-SF08-80	8	21	27	80	60.9	36	10	M6
CAT50-SF10-80	10	24	31	80	60.9	42	10	M8x1
CAT50-SF12-80	12	24	31	80	60.9	47	10	M10x1
CAT50-SF14-80	14	27	34	80	60.9	47	10	M10x1
CAT50-SF16-80	16	27	34	80	60.9	50	10	M12x1
CAT50-SF18-80	18	33	40	80	60.9	50	10	M12x1
CAT50-SF20-80	20	33	39.5	80	60.9	52	10	M16x1
CAT50-SF25-100	25	44	52.5	100	80.9	58	10	M16x1
CAT50-SF32-100	32	44	52.5	100	80.9	62	10	M16x1
CAT50-SF06-120	6	21	27	120	100.9	36	10	M5
CAT50-SF08-120	8	21	27	120	100.9	36	10	M6
CAT50-SF10-120	10	24	32	120	100.9	42	10	M8x1
CAT50-SF12-120	12	24	32	120	100.9	47	10	M10x1
CAT50-SF14-120	14	27	34	120	100.9	47	10	M10x1
CAT50-SF16-120	16	27	34	120	100.9	50	10	M12x1
CAT50-SF18-120	18	33	42	120	100.9	50	10	M12x1
CAT50-SF20-120	20	33	42	120	100.9	52	10	M16x1
CAT50-SF25-120	25	44	53	120	100.9	58	10	M16x1
CAT50-SF32-120	32	44	53	120	100.9	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗ ≤0.003	RPM G2.5/25000	AD
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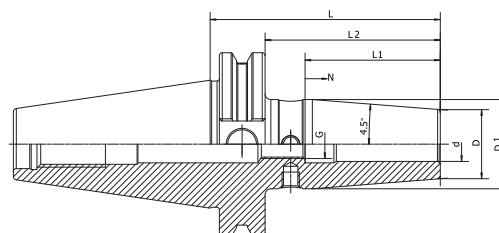
Size	d	D	D1	L	L2	L1	N	G
CAT50-SF06-160	6	21	32	160	140.9	36	10	M5
CAT50-SF08-160	8	21	32	160	140.9	36	10	M6
CAT50-SF10-160	10	24	34	160	140.9	42	10	M8x1
CAT50-SF12-160	12	24	34	160	140.9	47	10	M10x1
CAT50-SF14-160	14	27	42	160	140.9	47	10	M10x1
CAT50-SF16-160	16	27	42	160	140.9	50	10	M12x1
CAT50-SF18-160	18	33	51	160	140.9	50	10	M12x1
CAT50-SF20-160	20	33	51	160	140.9	52	10	M16x1
CAT50-SF25-160	25	44	60	160	140.9	58	10	M16x1
CAT50-SF32-160	32	44	60	160	140.9	62	10	M16x1
CAT50-SF06-200	6	21	32	200	180.9	36	10	M5
CAT50-SF08-200	8	21	32	200	180.9	36	10	M6
CAT50-SF10-200	10	24	34	200	180.9	42	10	M8x1
CAT50-SF12-200	12	24	34	200	180.9	47	10	M10x1
CAT50-SF14-200	14	27	42	200	180.9	47	10	M10x1
CAT50-SF16-200	16	27	42	200	180.9	50	10	M12x1
CAT50-SF18-200	18	33	51	200	180.9	50	10	M12x1
CAT50-SF20-200	20	33	51	200	180.9	52	10	M16x1
CAT50-SF25-200	25	44	60	200	180.9	58	10	M16x1
CAT50-SF32-200	32	44	60	200	180.9	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型



A ↗	RPM	
≤0.003	G2.5/25000	AD

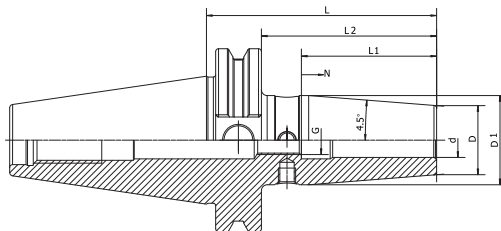


Size	d	D	D1	L	L2	L1	N	G
CAT40-SF1/8-3.15"	0.125"	0.59"	0.79"	3.15"	2.40"	-	-	-
CAT40-SF3/16-3.15"	0.187"	0.59"	0.79"	3.15"	2.40"	-	-	-
CAT40-SF1/4-3.15"	0.250"	0.83"	1.06"	3.15"	2.40"	1.42"	0.39"	M5
CAT40-SF5/16-3.15"	0.312"	0.83"	1.06"	3.15"	2.40"	1.42"	0.39"	M6
CAT40-SF3/8-3.15"	0.375"	0.94"	1.26"	3.15"	2.40"	1.65"	0.39"	M8x1
CAT40-SF1/2-3.15"	0.500"	1.06"	1.34"	3.15"	2.40"	1.85"	0.39"	M10x1
CAT40-SF5/8-3.15"	0.625"	1.06"	1.34"	3.15"	2.40"	1.97"	0.39"	M12x1
CAT40-SF3/4-3.15"	0.750"	1.30"	1.65"	3.15"	2.40"	2.05"	0.39"	M16x1
CAT40-SF1-3.94"	1.000"	1.73"	2.09"	3.94"	2.56"	2.44"	0.39"	M16x1
CAT40-SF1-1/4-3.94"	1.250"	1.73"	2.09"	3.94"	2.56"	2.44"	0.39"	M16x1
CAT40-SF1/8-4.72"	0.125"	0.59"	0.79"	4.72"	3.34"	-	-	-
CAT40-SF3/16-4.72"	0.187"	0.59"	0.79"	4.72"	3.34"	-	-	-
CAT40-SF1/4-4.72"	0.250"	0.83"	1.06"	4.72"	3.34"	1.42"	0.39"	M5
CAT40-SF5/16-4.72"	0.312"	0.83"	1.06"	4.72"	3.34"	1.42"	0.39"	M6
CAT40-SF3/8-4.72"	0.375"	0.94"	1.26"	4.72"	3.34"	1.65"	0.39"	M8x1
CAT40-SF1/2-4.72"	0.500"	1.06"	1.34"	4.72"	3.34"	1.85"	0.39"	M10x1
CAT40-SF5/8-4.72"	0.625"	1.06"	1.34"	4.72"	3.34"	1.97"	0.39"	M12x1
CAT40-SF3/4-4.72"	0.750"	1.30"	1.65"	4.72"	3.34"	2.05"	0.39"	M16x1
CAT40-SF1-4.72"	1.000"	1.73"	2.09"	4.72"	3.34"	2.44"	0.39"	M16x1
CAT40-SF1-1/4-4.72"	1.250"	1.73"	2.09"	4.72"	3.34"	2.44"	0.39"	M16x1
CAT40-SF1/8-6.30"	0.125"	0.59"	0.79"	6.30"	4.92"	-	-	-
CAT40-SF3/16-6.30"	0.187"	0.59"	0.79"	6.30"	4.92"	-	-	-
CAT40-SF1/4-6.30"	0.250"	0.83"	1.26"	6.30"	4.92"	1.42"	0.39"	M5
CAT40-SF5/16-6.30"	0.312"	0.83"	1.26"	6.30"	4.92"	1.42"	0.39"	M6
CAT40-SF3/8-6.30"	0.375"	0.94"	1.34"	6.30"	4.92"	1.65"	0.39"	M8x1
CAT40-SF1/2-6.30"	0.500"	1.06"	1.65"	6.30"	4.92"	1.85"	0.39"	M10x1
CAT40-SF5/8-6.30"	0.625"	1.06"	1.65"	6.30"	4.92"	1.97"	0.39"	M12x1
CAT40-SF3/4-6.30"	0.750"	1.30"	1.75"	6.30"	4.92"	2.05"	0.39"	M16x1
CAT40-SF1-6.30"	1.000"	1.73"	2.09"	6.30"	4.92"	2.44"	0.39"	M16x1
CAT40-SF1-1/4-6.30"	1.250"	1.73"	2.09"	6.30"	4.92"	2.44"	0.39"	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

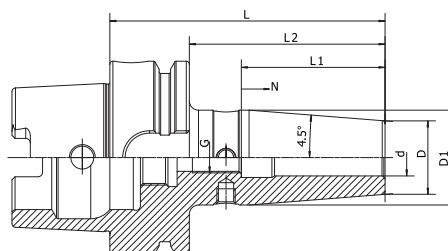


Size	d	D	D1	L	L2	L1	N	G
CAT50-SF1/4-3.15"	0.250"	0.83"	1.06"	3.15"	2.36"	1.42"	0.39"	M5
CAT50-SF3/8-3.15"	0.375"	0.94"	1.26"	3.15"	2.36"	1.65"	0.39"	M8x1
CAT50-SF1/2-3.15"	0.500"	1.06"	1.34"	3.15"	2.36"	1.85"	0.39"	M10x1
CAT50-SF5/8-3.15"	0.625"	1.06"	1.34"	3.15"	2.36"	1.97"	0.39"	M12x1
CAT50-SF3/4-3.15"	0.750"	1.30"	1.65"	3.15"	2.36"	2.05"	0.39"	M16x1
CAT50-SF1-3.94"	1.000"	1.73"	2.09"	3.94"	2.75"	2.44"	0.39"	M16x1
CAT50-SF1-1/4-3.94"	1.250"	1.73"	2.09"	3.94"	2.75"	2.44"	0.39"	M16x1
CAT50-SF1/4-4.72"	0.250"	0.83"	1.06"	4.72"	3.35"	1.42"	0.39"	M5
CAT50-SF3/8-4.72"	0.375"	0.94"	1.26"	4.72"	3.35"	1.65"	0.39"	M8x1
CAT50-SF1/2-4.72"	0.500"	1.06"	1.34"	4.72"	3.35"	1.85"	0.39"	M10x1
CAT50-SF5/8-4.72"	0.625"	1.06"	1.34"	4.72"	3.35"	1.97"	0.39"	M12x1
CAT50-SF3/4-4.72"	0.750"	1.30"	1.65"	4.72"	3.35"	2.05"	0.39"	M16x1
CAT50-SF1-4.72"	1.000"	1.73"	2.09"	4.72"	3.35"	2.44"	0.39"	M16x1
CAT50-SF1-1/4-4.72"	1.250"	1.73"	2.09"	4.72"	3.35"	2.44"	0.39"	M16x1
CAT50-SF1/4-6.30"	0.250"	0.83"	1.26"	6.30"	4.92"	1.42"	0.39"	M5
CAT50-SF3/8-6.30"	0.375"	0.94"	1.34"	6.30"	4.92"	1.65"	0.39"	M8x1
CAT50-SF1/2-6.30"	0.500"	1.06"	1.65"	6.30"	4.92"	1.85"	0.39"	M10x1
CAT50-SF5/8-6.30"	0.625"	1.06"	1.65"	6.30"	4.92"	1.97"	0.39"	M12x1
CAT50-SF3/4-6.30"	0.750"	1.30"	2.01"	6.30"	4.92"	2.05"	0.39"	M16x1
CAT50-SF1-6.30"	1.000"	1.73"	2.36"	6.30"	4.92"	2.44"	0.39"	M16x1
CAT50-SF1-1/4-6.30"	1.250"	1.73"	2.36"	6.30"	4.92"	2.44"	0.39"	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗ ≤0.003	RPM G2.5/25000	AD
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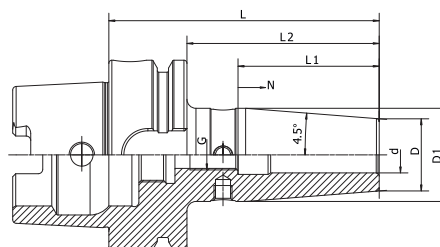
Size	d	D	D1	L	L2	L1	N	G
HSK32A-SF03-65	3	15	20	65	45	-	-	-
HSK32A-SF04-65	4	15	20	65	45	-	-	-
HSK32A-SF05-65	5	15	20	65	45	-	-	-
HSK32A-SF06-75	6	21	26	75	55	36	10	M5
HSK32A-SF08-75	8	21	26	75	55	36	10	M6
HSK32A-SF10-75	10	24	29	75	55	42	10	M8x1
HSK32A-SF12-80	12	24	29	80	60	47	5	M10x1
HSK40A-SF03-60	3	15	20	60	40	-	-	-
HSK40A-SF04-60	4	15	20	60	40	-	-	-
HSK40A-SF05-60	5	15	20	60	40	-	-	-
HSK40A-SF06-80	6	21	27	80	60	36	10	M5
HSK40A-SF08-80	8	21	27	80	60	36	10	M6
HSK40A-SF10-80	10	24	32	80	60	42	10	M8x1
HSK40A-SF12-90	12	24	32	90	70	47	10	M10x1
HSK40A-SF14-90	14	27	34	90	70	47	10	M10x1
HSK40A-SF16-90	16	27	34	90	70	50	10	M12x1
HSK50A-SF03-80	3	15	20	80	54	-	-	-
HSK50A-SF04-80	4	15	20	80	54	-	-	-
HSK50A-SF05-80	5	15	20	80	54	-	-	-
HSK50A-SF06-80	6	21	27	80	54	36	10	M5
HSK50A-SF08-80	8	21	27	80	54	36	10	M6
HSK50A-SF10-85	10	24	32	85	59	42	10	M8x1
HSK50A-SF12-90	12	24	32	90	64	47	10	M10x1
HSK50A-SF14-90	14	27	34	90	64	47	10	M10x1
HSK50A-SF16-95	16	27	34	95	69	50	10	M12x1
HSK50A-SF18-95	18	33	42	95	69	50	10	M12x1
HSK50A-SF20-100	20	33	42	100	74	52	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗
≤0.003

RPM
G2.5/25000

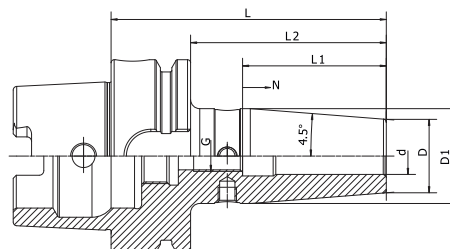

AD


Size	d	D	D1	L	L2	L1	N	G
HSK63A-SF03-80	3	15	20	80	54	-	-	-
HSK63A-SF04-80	4	15	20	80	54	-	-	-
HSK63A-SF05-80	5	15	20	80	54	-	-	-
HSK63A-SF06-80	6	21	26.5	80	54	36	10	M5
HSK63A-SF08-80	8	21	26.5	80	54	36	10	M6
HSK63A-SF10-85	10	24	30.5	85	59	42	10	M8x1
HSK63A-SF12-90	12	24	31	90	64	47	10	M10x1
HSK63A-SF14-90	14	27	34	90	64	47	10	M10x1
HSK63A-SF16-95	16	27	34	95	69	50	10	M12x1
HSK63A-SF18-95	18	33	41	95	69	50	10	M12x1
HSK63A-SF20-100	20	33	42	100	74	52	10	M16x1
HSK63A-SF25-115	25	44	52.5	115	89	58	10	M16x1
HSK63A-SF32-120	32	44	52.5	120	94	62	10	M16x1
HSK63A-SF03-120	3	15	20	120	94	-	-	-
HSK63A-SF04-120	4	15	20	120	94	-	-	-
HSK63A-SF05-120	5	15	20	120	94	-	-	-
HSK63A-SF06-120	6	21	27	120	94	36	10	M5
HSK63A-SF08-120	8	21	27	120	94	36	10	M6
HSK63A-SF10-120	10	24	32	120	94	42	10	M8x1
HSK63A-SF12-120	12	24	32	120	94	47	10	M10x1
HSK63A-SF14-120	14	27	34	120	94	47	10	M10x1
HSK63A-SF16-120	16	27	34	120	94	50	10	M12x1
HSK63A-SF18-120	18	33	42	120	94	50	10	M12x1
HSK63A-SF20-120	20	33	42	120	94	52	10	M16x1
HSK63A-SF25-120	25	44	52.5	120	94	58	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗ ≤0.003	RPM G2.5/25000	 AD
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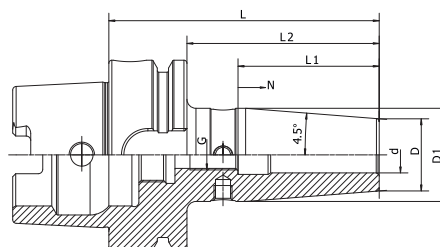
Size	d	D	D1	L	L2	L1	N	G
HSK63A-SF03-160	3	15	25	160	134	-	-	-
HSK63A-SF04-160	4	15	25	160	134	-	-	-
HSK63A-SF05-160	5	15	25	160	134	-	-	-
HSK63A-SF06-160	6	21	32	160	134	36	10	M5
HSK63A-SF08-160	8	21	32	160	134	36	10	M6
HSK63A-SF10-160	10	24	34	160	134	42	10	M8x1
HSK63A-SF12-160	12	24	34	160	134	47	10	M10x1
HSK63A-SF14-160	14	27	42	160	134	47	10	M10x1
HSK63A-SF16-160	16	27	42	160	134	50	10	M12x1
HSK63A-SF18-160	18	33	51	160	134	50	10	M12x1
HSK63A-SF20-160	20	33	51	160	134	52	10	M16x1
HSK63A-SF25-160	25	44	52.5	160	134	58	10	M16x1
HSK63A-SF32-160	32	44	52.5	160	134	62	10	M16x1
HSK63A-SF06-200	6	21	32	200	174	36	10	M5
HSK63A-SF08-200	8	21	32	200	174	36	10	M6
HSK63A-SF10-200	10	24	34	200	174	42	10	M8x1
HSK63A-SF12-200	12	24	34	200	174	47	10	M10x1
HSK63A-SF14-200	14	27	42	200	174	47	10	M10x1
HSK63A-SF16-200	16	27	42	200	174	50	10	M12x1
HSK63A-SF18-200	18	33	51	200	174	50	10	M12x1
HSK63A-SF20-200	20	33	51	200	174	52	10	M16x1
HSK63A-SF25-200	25	44	52.5	200	174	58	10	M16x1
HSK63A-SF32-200	32	44	52.5	200	174	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型



A ↗	RPM	
≤0.003	G2.5/25000	AD

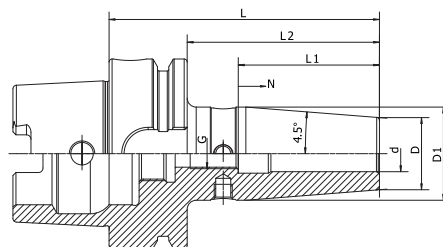


Size	d	D	D1	L	L2	L1	N	G
HSK63A-SF06-250	6	21	32	250	224	36	10	M5
HSK63A-SF08-250	8	21	32	250	224	36	10	M6
HSK63A-SF10-250	10	24	34	250	224	42	10	M8x1
HSK63A-SF12-250	12	24	34	250	224	47	10	M10x1
HSK63A-SF14-250	14	27	42	250	224	47	10	M10x1
HSK63A-SF16-250	16	27	42	250	224	50	10	M12x1
HSK63A-SF18-250	18	33	51	250	224	50	10	M12x1
HSK63A-SF20-250	20	33	51	250	224	52	10	M16x1
HSK63A-SF25-250	25	44	52.5	250	224	58	10	M16x1
HSK63A-SF32-250	32	44	52.5	250	224	62	10	M16x1
HSK63A-SF06-300	6	21	32	300	274	36	10	M5
HSK63A-SF08-300	8	21	32	300	274	36	10	M6
HSK63A-SF10-300	10	24	34	300	274	42	10	M8x1
HSK63A-SF12-300	12	24	34	300	274	47	10	M10x1
HSK63A-SF14-300	14	27	42	300	274	47	10	M10x1
HSK63A-SF16-300	16	27	42	300	274	50	10	M12x1
HSK63A-SF18-300	18	33	51	300	274	50	10	M12x1
HSK63A-SF20-300	20	33	51	300	274	52	10	M16x1
HSK63A-SF25-300	25	44	52.5	300	274	58	10	M16x1
HSK63A-SF32-300	32	44	52.5	300	274	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	d	D	D1	L	L2	L1	N	G
HSK80A-SF06-85	6	21	27	85	59	36	10	M5
HSK80A-SF08-85	8	21	27	85	59	36	10	M6
HSK80A-SF10-90	10	24	32	90	64	42	10	M8x1
HSK80A-SF12-95	12	24	32	95	69	47	10	M10x1
HSK80A-SF14-95	14	27	34	95	69	47	10	M10x1
HSK80A-SF16-100	16	27	34	100	74	50	10	M12x1
HSK80A-SF18-100	18	33	42	100	74	50	10	M12x1
HSK80A-SF20-105	20	33	42	105	79	52	10	M16x1
HSK80A-SF25-115	25	44	53	115	89	58	10	M16x1
HSK80A-SF32-120	32	44	53	120	94	62	10	M16x1
HSK100A-SF03-85	3	15	20	85	56	-	-	-
HSK100A-SF04-85	4	15	20	85	56	-	-	-
HSK100A-SF05-85	5	15	20	85	56	-	-	-
HSK100A-SF06-85	6	21	26.5	85	56	36	10	M5
HSK100A-SF08-85	8	21	26.5	85	56	36	10	M6
HSK100A-SF10-90	10	24	30.5	90	61	42	10	M8x1
HSK100A-SF12-95	12	24	31	95	66	47	10	M10x1
HSK100A-SF14-95	14	27	34	95	66	47	10	M10x1
HSK100A-SF16-100	16	27	34	100	71	50	10	M12x1
HSK100A-SF18-100	18	33	41	100	71	50	10	M12x1
HSK100A-SF20-105	20	33	42	105	76	52	10	M16x1
HSK100A-SF25-115	25	44	53	115	86	58	10	M16x1
HSK100A-SF32-120	32	44	53	120	91	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

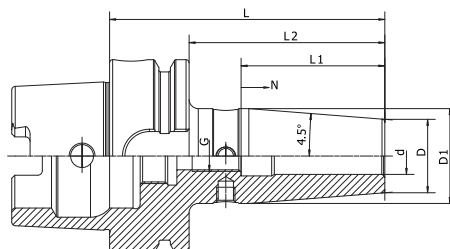
热缩刀柄, 标准型



A ↗
≤0.003

RPM
G2.5/25000

AD

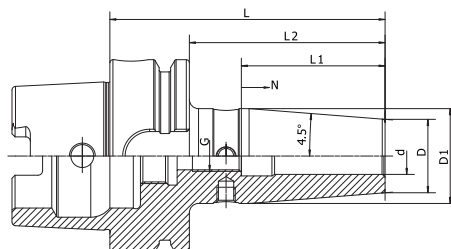


Size	d	D	D1	L	L2	L1	N	G
HSK100A-SF06-120	6	21	27	120	91	36	10	M5
HSK100A-SF08-120	8	21	27	120	91	36	10	M6
HSK100A-SF10-120	10	24	32	120	91	42	10	M8x1
HSK100A-SF12-120	12	24	32	120	91	47	10	M10x1
HSK100A-SF14-120	14	27	34	120	91	47	10	M10x1
HSK100A-SF16-120	16	27	34	120	91	50	10	M12x1
HSK100A-SF18-120	18	33	42	120	91	50	10	M12x1
HSK100A-SF20-120	20	33	42	120	91	52	10	M16x1
HSK100A-SF25-120	25	44	53	120	91	58	10	M16x1
HSK100A-SF06-160	6	21	32	160	131	36	10	M5
HSK100A-SF08-160	8	21	32	160	131	36	10	M6
HSK100A-SF10-160	10	24	34	160	131	42	10	M8x1
HSK100A-SF12-160	12	24	34	160	131	47	10	M10x1
HSK100A-SF14-160	14	27	42	160	131	47	10	M10x1
HSK100A-SF16-160	16	27	42	160	131	50	10	M12x1
HSK100A-SF18-160	18	33	50.5	160	131	50	10	M12x1
HSK100A-SF20-160	20	33	50.5	160	131	52	10	M16x1
HSK100A-SF25-160	25	44	60	160	131	58	10	M16x1
HSK100A-SF32-160	32	44	60	160	131	62	10	M16x1
HSK100A-SF06-200	6	21	32	200	171	36	10	M5
HSK100A-SF08-200	8	21	32	200	171	36	10	M6
HSK100A-SF10-200	10	24	34	200	171	42	10	M8x1
HSK100A-SF12-200	12	24	34	200	171	47	10	M10x1
HSK100A-SF14-200	14	27	42	200	171	47	10	M10x1
HSK100A-SF16-200	16	27	42	200	171	50	10	M12x1
HSK100A-SF18-200	18	33	51	200	171	50	10	M12x1
HSK100A-SF20-200	20	33	51	200	171	52	10	M16x1
HSK100A-SF25-200	25	44	60	200	171	58	10	M16x1
HSK100A-SF32-200	32	44	60	200	171	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗ ≤0.003	RPM G2.5/25000	AD
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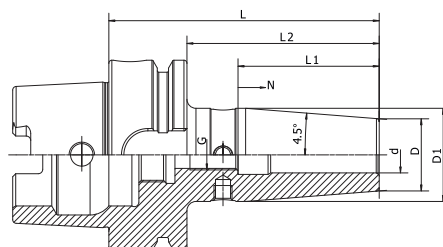
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HSK100A-SF06-250	6	21	32	250	221	36	10	M5
HSK100A-SF08-250	8	21	32	250	221	36	10	M6
HSK100A-SF10-250	10	24	34	250	221	42	10	M8x1
HSK100A-SF12-250	12	24	34	250	221	47	10	M10x1
HSK100A-SF14-250	14	27	42	250	221	47	10	M10x1
HSK100A-SF16-250	16	27	42	250	221	50	10	M12x1
HSK100A-SF18-250	18	33	51	250	221	50	10	M12x1
HSK100A-SF20-250	20	33	51	250	221	52	10	M16x1
HSK100A-SF25-250	25	44	60	250	221	58	10	M16x1
HSK100A-SF32-250	32	44	60	250	221	62	10	M16x1
HSK100A-SF06-300	6	21	32	300	271	36	10	M5
HSK100A-SF08-300	8	21	32	300	271	36	10	M6
HSK100A-SF10-300	10	24	34	300	271	42	10	M8x1
HSK100A-SF12-300	12	24	34	300	271	47	10	M10x1
HSK100A-SF14-300	14	27	42	300	271	47	10	M10x1
HSK100A-SF16-300	16	27	42	300	271	50	10	M12x1
HSK100A-SF18-300	18	33	51	300	271	50	10	M12x1
HSK100A-SF20-300	20	33	51	300	271	52	10	M16x1
HSK100A-SF25-300	25	44	60	300	271	58	10	M16x1
HSK100A-SF32-300	32	44	60	300	271	62	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型



A ↗	RPM	
≤0.003	G2.5/25000	AD

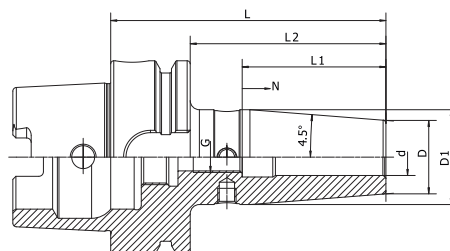


Size	d	D	D1	L	L2	L1	N	G
HSK63A-SF1/8-3.15"	0.125"	0.59"	0.79"	3.15"	2.13"	-	-	-
HSK63A-SF3/16-3.15"	0.187"	0.59"	0.79"	3.15"	2.13"	-	-	-
HSK63A-SF1/4-3.15"	0.250"	0.83"	1.06"	3.15"	2.13"	1.42"	0.39"	M5
HSK63A-SF5/16-3.15"	0.312"	0.83"	1.06"	3.15"	2.13"	1.42"	0.39"	M6
HSK63A-SF3/8-3.35"	0.375"	0.94"	1.26"	3.35"	2.32"	1.65"	0.39"	M8x1
HSK63A-SF1/2-3.54"	0.500"	1.06"	1.34"	3.54"	2.52"	1.85"	0.39"	M10x1
HSK63A-SF5/8-3.74"	0.625"	1.06"	1.34"	3.74"	2.72"	1.97"	0.39"	M12x1
HSK63A-SF3/4-3.94"	0.750"	1.30"	1.65"	3.94"	2.91"	2.05"	0.39"	M16x1
HSK63A-SF1-4.53"	1.000"	1.73"	2.07"	4.53"	3.50"	2.44"	0.39"	M16x1
HSK63A-SF1/8-4.72"	0.125"	0.59"	0.79"	4.72"	3.70"	-	-	-
HSK63A-SF3/16-4.72"	0.187"	0.59"	0.79"	4.72"	3.70"	-	-	-
HSK63A-SF1/4-4.72"	0.250"	0.83"	1.06"	4.72"	3.70"	1.42"	0.39"	M5
HSK63A-SF5/16-4.72"	0.312"	0.83"	1.06"	4.72"	3.70"	1.42"	0.39"	M6
HSK63A-SF3/8-4.72"	0.375"	0.94"	1.26"	4.72"	3.70"	1.65"	0.39"	M8x1
HSK63A-SF1/2-4.72"	0.500"	1.06"	1.34"	4.72"	3.70"	1.85"	0.39"	M10x1
HSK63A-SF5/8-4.72"	0.625"	1.06"	1.34"	4.72"	3.70"	1.97"	0.39"	M12x1
HSK63A-SF3/4-4.72"	0.750"	1.30"	1.65"	4.72"	3.70"	2.05"	0.39"	M16x1
HSK63A-SF1-4.72"	1.000"	1.73"	2.07"	4.72"	3.70"	2.44"	0.39"	M16x1
HSK63A-SF1-1/4-4.72"	1.250"	1.73"	2.07"	4.72"	3.70"	2.44"	0.39"	M16x1
HSK63A-SF1/8-6.3"	0.125"	0.59"	1.06"	6.30"	5.28"	-	-	-
HSK63A-SF3/16-6.3"	0.187"	0.59"	1.06"	6.30"	5.28"	-	-	-
HSK63A-SF1/4-6.3"	0.250"	0.83"	1.26"	6.30"	5.28"	1.42"	0.39"	M5
HSK63A-SF5/16-6.3"	0.312"	0.83"	1.26"	6.30"	5.28"	1.42"	0.39"	M6
HSK63A-SF3/8-6.3"	0.375"	0.94"	1.34"	6.30"	5.28"	1.65"	0.39"	M8x1
HSK63A-SF1/2-6.3"	0.500"	1.06"	1.65"	6.30"	5.28"	1.85"	0.39"	M10x1
HSK63A-SF5/8-6.3"	0.625"	1.06"	1.65"	6.30"	5.28"	1.97"	0.39"	M12x1
HSK63A-SF3/4-6.3"	0.750"	1.30"	2.01"	6.30"	5.28"	2.05"	0.39"	M16x1
HSK63A-SF1-6.3"	1.000"	1.73"	2.07"	6.30"	5.28"	2.44"	0.39"	M16x1
HSK63A-SF1-1/4-6.3"	1.250"	1.73"	2.07"	6.30"	5.28"	2.44"	0.39"	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

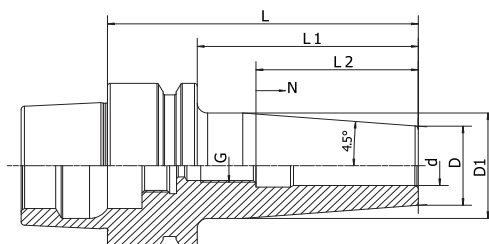


Size	d	D	D1	L	L2	L1	N	G
HSK80A-SF1/4-3.35"	0.250"	0.83"	1.06"	3.35"	2.32"	1.42"	0.39"	M5
HSK80A-SF3/8-3.54"	0.375"	0.94"	1.26"	3.54"	2.52"	1.65"	0.39"	M8x1
HSK80A-SF1/2-3.74"	0.500"	1.06"	1.34"	3.74"	2.72"	1.85"	0.39"	M10x1
HSK80A-SF5/8-3.94"	0.625"	1.06"	1.34"	3.94"	2.91"	1.97"	0.39"	M12x1
HSK80A-SF3/4-4.13"	0.750"	1.30"	1.65"	4.13"	3.11"	2.05"	0.39"	M16x1
HSK80A-SF1-4.53"	1.000"	1.73"	2.09"	4.53"	3.50"	2.44"	0.39"	M16x1
HSK80A-SF1-1/4-4.72"	1.250"	1.73"	2.09"	4.72"	3.70"	2.44"	0.39"	M16x1
HSK100A-SF1/4-3.35"	0.250"	0.83"	1.06"	3.35"	2.20"	1.42"	0.39"	M5
HSK100A-SF3/8-3.54"	0.375"	0.94"	1.26"	3.54"	2.40"	1.65"	0.39"	M8x1
HSK100A-SF1/2-3.74"	0.500"	1.06"	1.34"	3.74"	2.60"	1.85"	0.39"	M10x1
HSK100A-SF5/8-3.94"	0.625"	1.06"	1.34"	3.94"	2.80"	1.97"	0.39"	M12x1
HSK100A-SF3/4-4.13"	0.750"	1.30"	1.65"	4.13"	2.99"	2.05"	0.39"	M16x1
HSK100A-SF1-4.53"	1.000"	1.73"	2.09"	4.53"	3.39"	2.44"	0.39"	M16x1
HSK100A-SF1/4-4.72"	0.250"	0.83"	1.06"	4.72"	3.58"	1.42"	0.39"	M5
HSK100A-SF3/8-4.72"	0.375"	0.94"	1.26"	4.72"	3.58"	1.65"	0.39"	M8x1
HSK100A-SF1/2-4.72"	0.500"	1.06"	1.34"	4.72"	3.58"	1.85"	0.39"	M10x1
HSK100A-SF5/8-4.72"	0.625"	1.06"	1.34"	4.72"	3.58"	1.97"	0.39"	M12x1
HSK100A-SF3/4-4.72"	0.750"	1.30"	1.65"	4.72"	3.58"	2.05"	0.39"	M16x1
HSK100A-SF1-4.72"	1.000"	1.73"	2.09"	4.72"	3.58"	2.44"	0.39"	M16x1
HSK100A-SF1-1/4-4.72"	1.250"	1.73"	2.09"	4.72"	3.58"	2.44"	0.39"	M16x1
HSK100A-SF1/4-6.30"	0.250"	0.83"	1.26"	6.30"	5.16"	1.42"	0.39"	M5
HSK100A-SF3/8-6.30"	0.375"	0.94"	1.34"	6.30"	5.16"	1.65"	0.39"	M8x1
HSK100A-SF1/2-6.30"	0.500"	1.06"	1.65"	6.30"	5.16"	1.85"	0.39"	M10x1
HSK100A-SF5/8-6.30"	0.625"	1.06"	1.65"	6.30"	5.16"	1.97"	0.39"	M12x1
HSK100A-SF3/4-6.30"	0.750"	1.30"	2.01"	6.30"	5.16"	2.05"	0.39"	M16x1
HSK100A-SF1-6.30"	1.000"	1.73"	2.36"	6.30"	5.16"	2.44"	0.39"	M16x1
HSK100A-SF1-1/4-6.30"	1.250"	1.73"	2.36"	6.30"	5.16"	2.44"	0.39"	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD



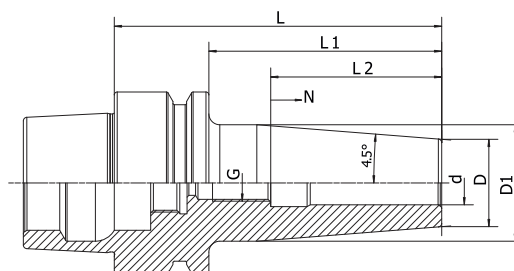
Size	d	D	D1	L	L2	L1	N	G
HSK25E-SF06-50	6	15	19	50	40	36	5	M5
HSK32E-SF03-60	3	15	20	60	40	-	-	-
HSK32E-SF04-60	4	15	20	60	40	-	-	-
HSK32E-SF05-60	5	15	20	60	40	-	-	-
HSK32E-SF06-70	6	20	26	70	50	36	10	M5
HSK32E-SF08-70	8	20	26	70	50	36	10	M6
HSK32E-SF10-70	10	24	29	70	50	42	10	M8x1
HSK32E-SF12-70	12	24	29	70	50	47	10	M10x1
HSK40E-SF03-60	3	15	20	60	40	-	-	-
HSK40E-SF04-60	4	15	20	60	40	-	-	-
HSK40E-SF05-60	5	15	20	60	40	-	-	-
HSK40E-SF06-65	6	21	27	65	45	36	10	M5
HSK40E-SF08-65	8	21	27	65	45	36	10	M6
HSK40E-SF10-65	10	24	30	65	45	42	10	M8x1
HSK40E-SF12-65	12	24	30	65	45	47	10	M10x1
HSK40E-SF03-80	3	15	20	80	60	-	-	-
HSK40E-SF04-80	4	15	20	80	60	-	-	-
HSK40E-SF05-80	5	15	20	80	60	-	-	-
HSK40E-SF06-80	6	21	27	80	60	36	10	M5
HSK40E-SF08-80	8	21	27	80	60	36	10	M6
HSK40E-SF10-80	10	24	32	80	60	42	10	M8x1
HSK40E-SF12-90	12	24	32	90	70	47	10	M10x1
HSK40E-SF16-90	16	27	34	90	70	50	10	M12x1
HSK40E-SF03-120	3	15	20	120	100	-	-	-
HSK40E-SF04-120	4	15	20	120	100	-	-	-
HSK40E-SF05-120	5	15	20	120	100	-	-	-
HSK40E-SF06-120	6	21	27	120	100	36	10	M5
HSK40E-SF08-120	8	21	27	120	100	36	10	M6
HSK40E-SF10-120	10	24	32	120	100	42	10	M8x1
HSK40E-SF12-120	12	24	32	120	100	47	10	M10x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型



A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	d	D	D1	L	L2	L1	N	G
HSK50E-SF03-80	3	15	20	80	54	-	-	-
HSK50E-SF04-80	4	15	20	80	54	-	-	-
HSK50E-SF05-80	5	15	20	80	54	-	-	-
HSK50E-SF06-80	6	21	27	80	54	36	10	M5
HSK50E-SF08-80	8	21	27	80	54	36	10	M6
HSK50E-SF10-85	10	24	32	85	59	42	10	M8x1
HSK50E-SF12-90	12	24	32	90	64	47	10	M10x1
HSK50E-SF14-90	14	27	34	90	64	47	10	M10x1
HSK50E-SF16-95	16	27	34	95	69	50	10	M12x1
HSK50E-SF18-95	18	33	41	95	69	50	10	M12x1
HSK50E-SF20-100	20	33	41	100	74	52	10	M16x1
HSK63E-SF06-90	6	21	27	90	64	36	10	M5
HSK63E-SF08-90	8	21	27	90	64	36	10	M6
HSK63E-SF10-90	10	24	32	90	64	42	10	M8x1
HSK63E-SF12-90	12	24	32	90	64	47	10	M10x1
HSK63E-SF14-90	14	27	34	90	64	47	10	M10x1
HSK63E-SF16-95	16	27	34	95	69	50	10	M12x1
HSK63E-SF18-95	18	33	42	95	69	50	10	M12x1
HSK63E-SF20-100	20	33	42	100	74	52	10	M16x1
HSK63E-SF25-115	25	44	53	115	89	58	10	M16x1

Inch

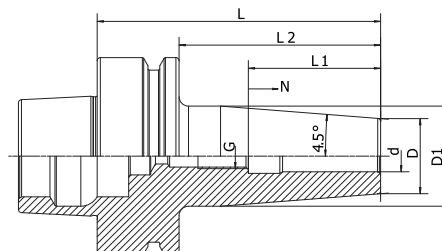
Size	d	D	D1	L	L2	L1	N	G
HSK40E-SF1/8"-3.54"	1/8"	0.36"	0.47"	3.54"	2.76"	0.79"	-	-
HSK40E-SF3/16"-3.54"	3/16"	0.63"	0.71"	3.54"	2.76"	0.79"	-	-
HSK40E-SF1/4"-3.54"	1/4"	0.71"	1.06"	3.54"	2.76"	1.42"	0.39"	M5 x 0.8P
HSK40E-SF5/16"-3.54"	5/16"	0.83"	1.06"	3.54"	2.76"	1.42"	0.39"	M6 x 1.0P
HSK40E-SF3/8"-3.54"	3/8"	0.94"	1.26"	3.54"	2.76"	1.65"	0.39"	M8 x 1.25P

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型



A ↗	RPM	AD
≤0.003	G2.5/25000	

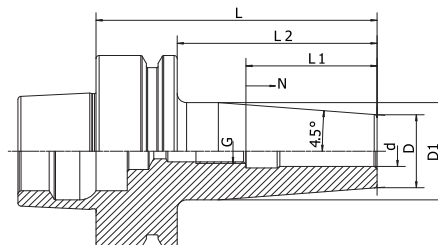


Size	d	D	D1	L	L2	L1	N	G
HSK40F-SF03-60	3	15	20	60	40	-	-	-
HSK40F-SF04-60	4	15	20	60	40	-	-	-
HSK40F-SF05-60	5	15	20	60	40	-	-	-
HSK40F-SF06-65	6	21	27	65	45	36	5	M5
HSK40F-SF08-65	8	21	27	65	45	36	5	M6
HSK40F-SF10-65	10	24	31	65	45	42	5	M8x1
HSK40F-SF12-65	12	24	31	65	45	42	5	M10x1
HSK40F-SF06-80	6	21	27	80	60	36	10	M5
HSK40F-SF08-80	8	21	27	80	60	36	10	M6
HSK40F-SF10-80	10	24	32	80	60	42	10	M8x1
HSK40F-SF12-90	12	24	32	90	70	47	10	M10x1
HSK40F-SF16-90	16	27	34	90	70	50	10	M12x1
HSK63F-SF03-90	3	15	20	90	64	-	-	-
HSK63F-SF04-90	4	15	20	90	54	-	-	-
HSK63F-SF05-90	5	15	20	90	54	-	-	-
HSK63F-SF06-90	6	21	27	90	64	36	10	M5
HSK63F-SF08-90	8	21	27	90	64	36	10	M6
HSK63F-SF10-90	10	24	32	90	64	42	10	M8x1
HSK63F-SF12-90	12	24	32	90	64	47	10	M10x1
HSK63F-SF14-95	14	27	34	95	69	47	10	M10x1
HSK63F-SF16-95	16	27	34	95	69	50	10	M12x1
HSK63F-SF18-95	18	33	42	95	69	50	10	M12x1
HSK63F-SF20-100	20	33	42	100	74	52	10	M16x1
HSK63F-SF25-115	25	36	42	115	89	58	10	M16x1

Shrink Fit Chuck, 4.5°, Standard

热缩刀柄, 标准型

A ↗	RPM	AD
≤0.003	G2.5/25000	



Size	d	D	D1	L	L2	L1	N	G
HSK63F-SF03-120	3	15	20	120	94	-	-	-
HSK63F-SF04-120	4	15	20	120	94	-	-	-
HSK63F-SF05-120	5	15	20	120	94	-	-	-
HSK63F-SF06-120	6	21	27	120	94	36	10	M5
HSK63F-SF08-120	8	21	27	120	94	36	10	M6
HSK63F-SF10-120	10	24	32	120	94	42	10	M8x1
HSK63F-SF12-120	12	24	32	120	94	47	10	M10x1
HSK63F-SF14-120	14	27	34	120	94	47	10	M10x1
HSK63F-SF16-120	16	27	34	120	94	50	10	M12x1
HSK63F-SF18-120	18	33	42	120	94	50	10	M12x1
HSK63F-SF20-120	20	33	42	120	94	52	10	M16x1
HSK63F-SF03-160	3	15	27	160	134	-	-	-
HSK63F-SF04-160	4	15	27	160	134	-	-	-
HSK63F-SF05-160	5	15	27	160	134	-	-	-
HSK63F-SF06-160	6	21	32	160	134	36	10	M5
HSK63F-SF08-160	8	21	32	160	134	36	10	M6
HSK63F-SF10-160	10	24	34	160	134	42	10	M8x1
HSK63F-SF12-160	12	24	34	160	134	47	10	M10x1
HSK63F-SF14-160	14	27	42	160	134	47	10	M10x1
HSK63F-SF16-160	16	27	42	160	134	50	10	M12x1
HSK63F-SF18-160	18	33	51	160	134	50	10	M12x1
HSK63F-SF20-160	20	33	51	160	134	52	10	M16x1

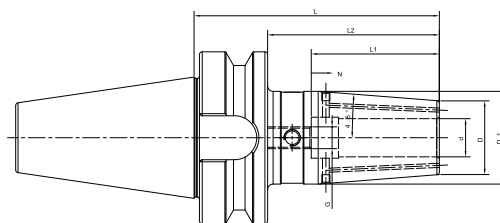
Inch

Size	d	D	D1	L	L2	L1	N	G
HSK63F-SF1/4"-3.54"	1/4"	0.83"	1.06"	3.54	2.52	1.42"		M5
HSK63F-SF5/16"-3.54"	5/16"	0.83"	1.06"	3.54	2.52	1.42"		M6
HSK63F-SF3/8"-3.54"	3/8"	0.94"	1.26"	3.54	2.52	1.65"		M8 x 1
HSK63F-SF1/2"-3.54"	1/2"	1.06"	1.34"	3.54	2.52	1.85"		M10 x 1
HSK63F-SF5/8"-3.74"	5/8"	1.06"	1.34"	3.74"	2.72	1.97"		M12 x 1
HSK63F-SF3/4"-3.94"	3/4"	1.30"	1.65"	3.94"	2.91	2.05"		M16 x 1
HSK63F-SF1.0"-4.53"	1"	1.73"	2.09"	4.53"	3.5	2.44"		M160 x 1

Shrink Fit Chuck, 4.5°, Coolant 热缩刀柄, 端面出水型

A ↗
≤0.003

RPM
G2.5/25000

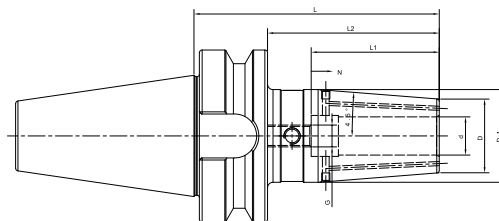

AD


Size	d	D	D1	L	L2	L1	N	G
BT40-SF03-80K	3	15	20	80	53	-	-	-
BT40-SF04-80K	4	15	20	80	53	-	-	-
BT40-SF05-80K	5	15	20	80	53	-	-	-
BT40-SF06-90K	6	21	27	90	63	36	10	M5
BT40-SF08-90K	8	21	27	90	63	36	10	M6
BT40-SF10-90K	10	24	32	90	63	42	10	M8x1
BT40-SF12-90K	12	24	32	90	63	47	10	M10x1
BT40-SF14-90K	14	27	34	90	63	47	10	M10x1
BT40-SF16-90K	16	27	34	90	63	50	10	M12x1
BT40-SF18-90K	18	33	42	90	63	50	10	M12x1
BT40-SF20-90K	20	33	42	90	63	52	10	M16x1
BT40-SF25-100K	25	44	53	100	73	58	10	M16x1
BT40-SF32-100K	32	44	53	100	73	62	10	M16x1
BT40-SF06-120K	6	21	27	120	93	36	10	M5
BT40-SF08-120K	8	21	27	120	93	36	10	M6
BT40-SF10-120K	10	24	32	120	93	42	10	M8x1
BT40-SF12-120K	12	24	32	120	93	47	10	M10x1
BT40-SF14-120K	14	27	34	120	93	47	10	M10x1
BT40-SF16-120K	16	27	34	120	93	50	10	M12x1
BT40-SF18-120K	18	33	42	120	93	50	10	M12x1
BT40-SF20-120K	20	33	42	120	93	52	10	M16x1
BT40-SF25-120K	25	44	53	120	93	58	10	M16x1
BT40-SF32-120K	32	44	53	120	93	62	10	M16x1
BT40-SF06-160K	6	21	32	160	133	36	10	M5
BT40-SF08-160K	8	21	32	160	133	36	10	M6
BT40-SF10-160K	10	24	34	160	133	42	10	M8x1
BT40-SF12-160K	12	24	34	160	133	47	10	M10x1
BT40-SF14-160K	14	27	42	160	133	47	10	M10x1
BT40-SF16-160K	16	27	42	160	133	50	10	M12x1
BT40-SF18-160K	18	33	51	160	133	50	10	M12x1
BT40-SF20-160K	20	33	51	160	133	52	10	M16x1
BT40-SF25-160K	25	44	53	160	133	58	10	M16x1
BT40-SF32-160K	32	44	53	160	133	62	10	M16x1

Shrink Fit Chuck, 4.5°, Coolant

热缩刀柄, 端面出水型

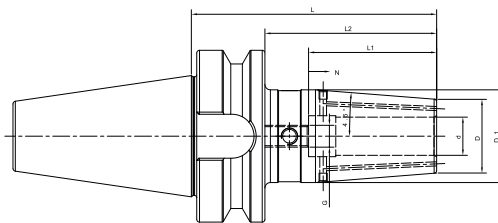
A ↗ ≤0.003	RPM G2.5/25000	AD
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Size	d	D	D1	L	L2	L1	N	G
BT50-SF06-100K	6	21	27	100	62	36	10	M5
BT50-SF08-100K	8	21	27	100	62	36	10	M6
BT50-SF10-100K	10	24	32	100	62	42	10	M8x1
BT50-SF12-100K	12	24	32	100	62	47	10	M10x1
BT50-SF14-100K	14	27	34	100	62	47	10	M10x1
BT50-SF16-100K	16	27	34	100	62	50	10	M12x1
BT50-SF18-100K	18	33	42	100	62	50	10	M12x1
BT50-SF20-100K	20	33	42	100	62	52	10	M16x1
BT50-SF25-110K	25	44	53	110	72	58	10	M16x1
BT50-SF32-110K	32	44	53	110	72	62	10	M16x1
BT50-SF06-120K	6	21	27	120	82	36	10	M5
BT50-SF08-120K	8	21	27	120	82	36	10	M6
BT50-SF10-120K	10	24	32	120	82	42	10	M8x1
BT50-SF12-120K	12	24	32	120	82	47	10	M10x1
BT50-SF14-120K	14	27	34	120	82	47	10	M10x1
BT50-SF16-120K	16	27	34	120	82	50	10	M12x1
BT50-SF18-120K	18	33	42	120	82	50	10	M12x1
BT50-SF20-120K	20	33	42	120	82	52	10	M16x1
BT50-SF25-120K	25	44	53	120	82	58	10	M16x1
BT50-SF32-120K	32	44	53	120	82	62	10	M16x1
BT50-SF06-160K	6	21	32	160	122	36	10	M5
BT50-SF08-160K	8	21	32	160	122	36	10	M6
BT50-SF10-160K	10	24	34	160	122	42	10	M8x1
BT50-SF12-160K	12	24	34	160	122	47	10	M10x1
BT50-SF14-160K	14	27	42	160	122	47	10	M10x1
BT50-SF16-160K	16	27	42	160	122	50	10	M12x1
BT50-SF18-160K	18	33	51	160	122	50	10	M12x1
BT50-SF20-160K	20	33	51	160	122	52	10	M16x1
BT50-SF25-160K	25	44	60	160	122	58	10	M16x1
BT50-SF32-160K	32	44	60	160	122	62	10	M16x1

Shrink Fit Chuck, 4.5°, Coolant 热缩刀柄, 端面出水型

A ↗ ≤0.003	RPM G2.5/25000	AD
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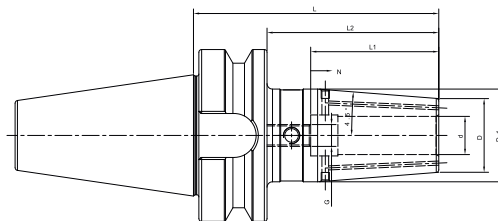


Size	d	D	D1	L	L2	L1	N	G
BBT40-SF03-80K	3	15	20	80	53	-	-	-
BBT40-SF04-80K	4	15	20	80	53	-	-	-
BBT40-SF05-80K	5	15	20	80	53	-	-	-
BBT40-SF06-90K	6	21	27	90	63	36	10	M5
BBT40-SF08-90K	8	21	27	90	63	36	10	M6
BBT40-SF10-90K	10	24	32	90	63	42	10	M8x1
BBT40-SF12-90K	12	24	32	90	63	47	10	M10x1
BBT40-SF14-90K	14	27	34	90	63	47	10	M10x1
BBT40-SF16-90K	16	27	34	90	63	50	10	M12x1
BBT40-SF18-90K	18	33	42	90	63	50	10	M12x1
BBT40-SF20-90K	20	33	42	90	63	52	10	M16x1
BBT40-SF25-100K	25	44	53	100	73	58	10	M16x1
BBT40-SF32-100K	32	44	53	100	73	62	10	M16x1
BBT40-SF06-120K	6	21	27	120	93	36	10	M5
BBT40-SF08-120K	8	21	27	120	93	36	10	M6
BBT40-SF10-120K	10	24	32	120	93	42	10	M8x1
BBT40-SF12-120K	12	24	32	120	93	47	10	M10x1
BBT40-SF14-120K	14	27	34	120	93	47	10	M10x1
BBT40-SF16-120K	16	27	34	120	93	50	10	M12x1
BBT40-SF18-120K	18	33	42	120	93	50	10	M12x1
BBT40-SF20-120K	20	33	42	120	93	52	10	M16x1
BBT40-SF25-120K	25	44	53	120	93	58	10	M16x1
BBT40-SF32-120K	32	44	53	120	93	62	10	M16x1
BBT40-SF06-160K	6	21	32	160	133	36	10	M5
BBT40-SF08-160K	8	21	32	160	133	36	10	M6
BBT40-SF10-160K	10	24	34	160	133	42	10	M8x1
BBT40-SF12-160K	12	24	34	160	133	47	10	M10x1
BBT40-SF14-160K	14	27	42	160	133	47	10	M10x1
BBT40-SF16-160K	16	27	42	160	133	50	10	M12x1
BBT40-SF18-160K	18	33	51	160	133	50	10	M12x1
BBT40-SF20-160K	20	33	51	160	133	52	10	M16x1
BBT40-SF25-160K	25	44	53	160	133	58	10	M16x1
BBT40-SF32-160K	32	44	53	160	133	62	10	M16x1

Shrink Fit Chuck, 4.5°, Coolant

热缩刀柄, 端面出水型

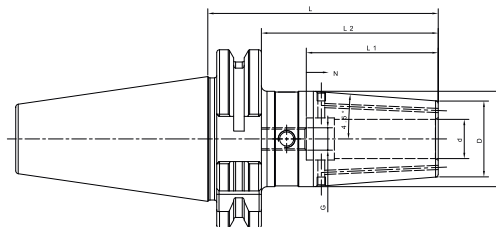
A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	d	D	D1	L	L2	L1	N	G
BBT50-SF06-100K	6	21	27	100	62	36	10	M5
BBT50-SF08-100K	8	21	27	100	62	36	10	M6
BBT50-SF10-100K	10	24	32	100	62	42	10	M8x1
BBT50-SF12-100K	12	24	32	100	62	47	10	M10x1
BBT50-SF14-100K	14	27	34	100	62	47	10	M10x1
BBT50-SF16-100K	16	27	34	100	62	50	10	M12x1
BBT50-SF18-100K	18	33	42	100	62	50	10	M12x1
BBT50-SF20-100K	20	33	42	100	62	52	10	M16x1
BBT50-SF25-110K	25	44	53	110	72	58	10	M16x1
BBT50-SF32-110K	32	44	53	110	72	62	10	M16x1
BBT50-SF06-120K	6	21	27	120	82	36	10	M5
BBT50-SF08-120K	8	21	27	120	82	36	10	M6
BBT50-SF10-120K	10	24	32	120	82	42	10	M8x1
BBT50-SF12-120K	12	24	32	120	82	47	10	M10x1
BBT50-SF14-120K	14	27	34	120	82	47	10	M10x1
BBT50-SF16-120K	16	27	34	120	82	50	10	M12x1
BBT50-SF18-120K	18	33	42	120	82	50	10	M12x1
BBT50-SF20-120K	20	33	42	120	82	52	10	M16x1
BBT50-SF25-120K	25	44	53	120	82	58	10	M16x1
BBT50-SF32-120K	32	44	53	120	82	62	10	M16x1
BBT50-SF06-160K	6	21	32	160	122	36	10	M5
BBT50-SF08-160K	8	21	32	160	122	36	10	M6
BBT50-SF10-160K	10	24	34	160	122	42	10	M8x1
BBT50-SF12-160K	12	24	34	160	122	47	10	M10x1
BBT50-SF14-160K	14	27	42	160	122	47	10	M10x1
BBT50-SF16-160K	16	27	42	160	122	50	10	M12x1
BBT50-SF18-160K	18	33	51	160	122	50	10	M12x1
BBT50-SF20-160K	20	33	51	160	122	52	10	M16x1
BBT50-SF25-160K	25	44	60	160	122	58	10	M16x1
BBT50-SF32-160K	32	44	60	160	122	62	10	M16x1

Shrink Fit Chuck, 4.5°, Coolant 热缩刀柄, 端面出水型

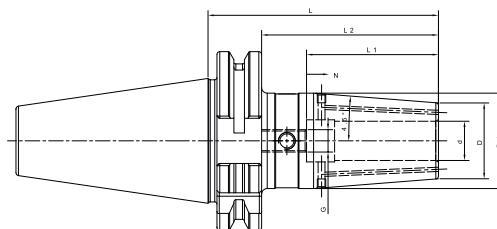
A ↗	RPM	
≤0.003	G2.5/25000	AD/B



Size	d	D	D1	L	L2	L1	N	G
SK40-SF03-80K	3	15	20	80	60.9	-	-	-
SK40-SF04-80K	4	15	20	80	60.9	-	-	-
SK40-SF05-80K	5	15	20	80	60.9	-	-	-
SK40-SF06-80K	6	21	27	80	60.9	36	10	M5
SK40-SF08-80K	8	21	27	80	60.9	36	10	M6
SK40-SF10-80K	10	24	32	80	60.9	42	10	M8x1
SK40-SF12-80K	12	24	32	80	60.9	47	10	M10x1
SK40-SF14-80K	14	27	34	80	60.9	47	10	M10x1
SK40-SF16-80K	16	27	34	80	60.9	50	10	M12x1
SK40-SF18-80K	18	33	42	80	60.9	50	10	M12x1
SK40-SF20-80K	20	33	42	80	60.9	52	10	M16x1
SK40-SF25-100K	25	44	50	100	80.9	58	10	M16x1
SK40-SF32-100K	32	44	50	100	80.9	62	10	M16x1
SK40-SF06-120K	6	21	27	120	100.9	36	10	M5
SK40-SF08-120K	8	21	27	120	100.9	36	10	M6
SK40-SF10-120K	10	24	32	120	100.9	42	10	M8x1
SK40-SF12-120K	12	24	32	120	100.9	47	10	M10x1
SK40-SF14-120K	14	27	34	120	100.9	47	10	M10x1
SK40-SF16-120K	16	27	34	120	100.9	50	10	M12x1
SK40-SF18-120K	18	33	42	120	100.9	50	10	M12x1
SK40-SF20-120K	20	33	42	120	100.9	52	10	M16x1
SK40-SF06-160K	6	21	32	160	140.9	36	10	M5
SK40-SF08-160K	8	21	32	160	140.9	36	10	M6
SK40-SF10-160K	10	24	34	160	140.9	42	10	M8x1
SK40-SF12-160K	12	24	34	160	140.9	47	10	M10x1
SK40-SF14-160K	14	27	42	160	140.9	47	10	M10x1
SK40-SF16-160K	16	27	42	160	140.9	50	10	M12x1
SK40-SF18-160K	18	33	50	160	140.9	50	10	M12x1
SK40-SF20-160K	20	33	50	160	140.9	52	10	M16x1

Shrink Fit Chuck, 4.5°, Coolant 热缩刀柄, 端面出水型

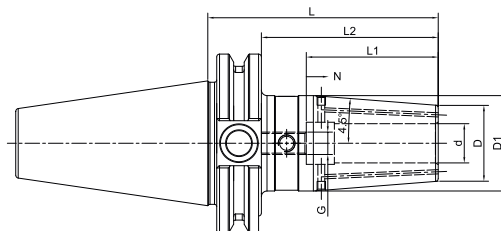
A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	d	D	D1	L	L2	L1	N	G
SK50-SF06-80K	6	21	27	80	60.9	36	10	M5
SK50-SF08-80K	8	21	27	80	60.9	36	10	M6
SK50-SF10-80K	10	24	32	80	60.9	42	10	M8x1
SK50-SF12-80K	12	24	32	80	60.9	47	10	M10x1
SK50-SF14-80K	14	27	34	80	60.9	47	10	M10x1
SK50-SF16-80K	16	27	34	80	60.9	50	10	M12x1
SK50-SF18-80K	18	33	42	80	60.9	50	10	M12x1
SK50-SF20-80K	20	33	42	80	60.9	52	10	M16x1
SK50-SF25-90K	25	44	53	90	70.9	58	10	M16x1
SK50-SF32-90K	32	44	53	90	70.9	62	10	M16x1
SK50-SF06-120K	6	21	27	120	100.9	36	10	M5
SK50-SF08-120K	8	21	27	120	100.9	36	10	M6
SK50-SF10-120K	10	24	32	120	100.9	42	10	M8x1
SK50-SF12-120K	12	24	32	120	100.9	47	10	M10x1
SK50-SF14-120K	14	27	34	120	100.9	47	10	M10x1
SK50-SF16-120K	16	27	34	120	100.9	50	10	M12x1
SK50-SF18-120K	18	33	42	120	100.9	50	10	M12x1
SK50-SF20-120K	20	33	42	120	100.9	52	10	M16x1
SK50-SF25-120K	25	44	53	120	100.9	58	10	M16x1
SK50-SF32-120K	32	44	53	120	100.9	62	10	M16x1
SK50-SF06-160K	6	21	32	160	140.9	36	10	M5
SK50-SF08-160K	8	21	32	160	140.9	36	10	M6
SK50-SF10-160K	10	24	34	160	140.9	42	10	M8x1
SK50-SF12-160K	12	24	34	160	140.9	47	10	M10x1
SK50-SF14-160K	14	27	42	160	140.9	47	10	M10x1
SK50-SF16-160K	16	27	42	160	140.9	50	10	M12x1
SK50-SF18-160K	18	33	51	160	140.9	50	10	M12x1
SK50-SF20-160K	20	33	51	160	140.9	52	10	M16x1
SK50-SF25-160K	25	44	60	160	140.9	58	10	M16x1
SK50-SF32-160K	32	44	60	160	140.9	62	10	M16x1

Shrink Fit Chuck, 4.5°, Coolant 热缩刀柄, 端面出水型

A ↗	RPM	
≤0.003	G2.5/25000	AD

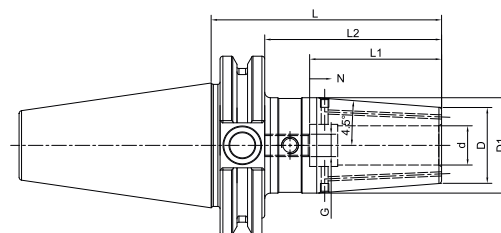


Size	d	D	D1	L	L2	L1	N	G
CAT40-SF03-80K	3	15	20	80	60.9	-	-	-
CAT40-SF04-80K	4	15	20	80	60.9	-	-	-
CAT40-SF05-80K	5	15	20	80	60.9	-	-	-
CAT40-SF06-80K	6	21	27	80	60.9	36	10	M5
CAT40-SF08-80K	8	21	27	80	60.9	36	10	M6
CAT40-SF10-80K	10	24	31	80	60.9	42	10	M8x1
CAT40-SF12-80K	12	24	31	80	60.9	47	10	M10x1
CAT40-SF14-80K	14	27	34	80	60.9	47	10	M10x1
CAT40-SF16-80K	16	27	34	80	60.9	50	10	M12x1
CAT40-SF18-80K	18	33	40	80	60.9	50	10	M12x1
CAT40-SF20-80K	20	33	40	80	60.9	52	10	M16x1
CAT40-SF25-100K	25	44	50	100	80.9	58	10	M16x1
CAT40-SF32-100K	32	44	50	100	80.9	62	10	M16x1
CAT40-SF06-120K	6	21	27	120	100.9	36	10	M5
CAT40-SF08-120K	8	21	27	120	100.9	36	10	M6
CAT40-SF10-120K	10	24	32	120	100.9	42	10	M8x1
CAT40-SF12-120K	12	24	32	120	100.9	47	10	M10x1
CAT40-SF14-120K	14	27	34	120	100.9	47	10	M10x1
CAT40-SF16-120K	16	27	34	120	100.9	50	10	M12x1
CAT40-SF18-120K	18	33	42	120	100.9	50	10	M12x1
CAT40-SF20-120K	20	33	42	120	100.9	52	10	M16x1
CAT40-SF25-120K	25	44	50	120	100.9	58	10	M16x1
CAT40-SF06-160K	6	21	32	160	140.9	36	10	M5
CAT40-SF08-160K	8	21	32	160	140.9	36	10	M6
CAT40-SF10-160K	10	24	34	160	140.9	42	10	M8x1
CAT40-SF12-160K	12	24	34	160	140.9	47	10	M10x1
CAT40-SF14-160K	14	27	42	160	140.9	47	10	M10x1
CAT40-SF16-160K	16	27	42	160	140.9	50	10	M12x1
CAT40-SF18-160K	18	33	50	160	140.9	50	10	M12x1
CAT40-SF20-160K	20	33	50	160	140.9	52	10	M16x1
CAT40-SF25-160K	25	44	50	160	140.9	58	10	M16x1
CAT40-SF32-160K	32	44	50	160	140.9	62	10	M16x1

Shrink Fit Chuck, 4.5°, Coolant

热缩刀柄, 端面出水型

A ↗ ≤0.003	RPM G2.5/25000	AD
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Size	d	D	D1	L	L2	L1	N	G
CAT50-SF06-80K	6	21	27	80	60.9	36	10	M5
CAT50-SF08-80K	8	21	27	80	60.9	36	10	M6
CAT50-SF10-80K	10	24	31	80	60.9	42	10	M8x1
CAT50-SF12-80K	12	24	31	80	60.9	47	10	M10x1
CAT50-SF14-80K	14	27	34	80	60.9	47	10	M10x1
CAT50-SF16-80K	16	27	34	80	60.9	50	10	M12x1
CAT50-SF18-80K	18	33	40	80	60.9	50	10	M12x1
CAT50-SF20-80K	20	33	39.5	80	60.9	52	10	M16x1
CAT50-SF25-100K	25	44	52.5	100	80.9	58	10	M16x1
CAT50-SF32-100K	32	44	52.5	100	80.9	62	10	M16x1
CAT50-SF06-120K	6	21	27	120	100.9	36	10	M5
CAT50-SF08-120K	8	21	27	120	100.9	36	10	M6
CAT50-SF10-120K	10	24	32	120	100.9	42	10	M8x1
CAT50-SF12-120K	12	24	32	120	100.9	47	10	M10x1
CAT50-SF14-120K	14	27	34	120	100.9	47	10	M10x1
CAT50-SF16-120K	16	27	34	120	100.9	50	10	M12x1
CAT50-SF18-120K	18	33	42	120	100.9	50	10	M12x1
CAT50-SF20-120K	20	33	42	120	100.9	52	10	M16x1
CAT50-SF25-120K	25	44	53	120	100.9	58	10	M16x1
CAT50-SF32-120K	32	44	53	120	100.9	62	10	M16x1



Bright-tools

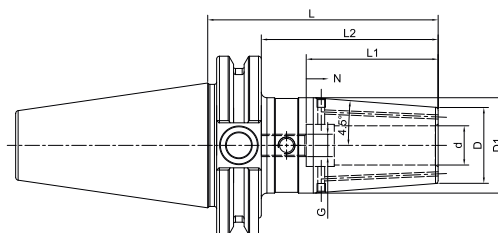
SHRINK

BRIGHT-TOOLS

Tool Holder ANSI B5.50

Shrink Fit Chuck, 4.5°, Coolant 热缩刀柄, 端面出水型

A ↗ ≤0.003	RPM G2.5/25000	AD
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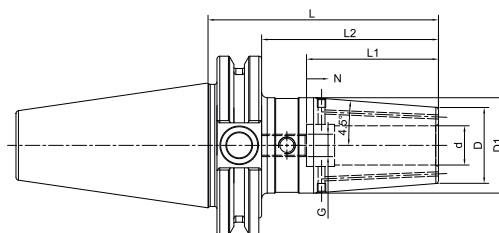
Size	d	D	D1	L	L2	L1	N	G
CAT50-SF06-160K	6	21	32	160	140.9	36	10	M5
CAT50-SF08-160K	8	21	32	160	140.9	36	10	M6
CAT50-SF10-160K	10	24	34	160	140.9	42	10	M8x1
CAT50-SF12-160K	12	24	34	160	140.9	47	10	M10x1
CAT50-SF14-160K	14	27	42	160	140.9	47	10	M10x1
CAT50-SF16-160K	16	27	42	160	140.9	50	10	M12x1
CAT50-SF18-160K	18	33	51	160	140.9	50	10	M12x1
CAT50-SF20-160K	20	33	51	160	140.9	52	10	M16x1
CAT50-SF25-160K	25	44	60	160	140.9	58	10	M16x1
CAT50-SF32-160K	32	44	60	160	140.9	62	10	M16x1
CAT50-SF06-200K	6	21	32	200	180.9	36	10	M5
CAT50-SF08-200K	8	21	32	200	180.9	36	10	M6
CAT50-SF10-200K	10	24	34	200	180.9	42	10	M8x1
CAT50-SF12-200K	12	24	34	200	180.9	47	10	M10x1
CAT50-SF14-200K	14	27	42	200	180.9	47	10	M10x1
CAT50-SF16-200K	16	27	42	200	180.9	50	10	M12x1
CAT50-SF18-200K	18	33	51	200	180.9	50	10	M12x1
CAT50-SF20-200K	20	33	51	200	180.9	52	10	M16x1
CAT50-SF25-200K	25	44	60	200	180.9	58	10	M16x1
CAT50-SF32-200K	32	44	60	200	180.9	62	10	M16x1

Shrink Fit Chuck, 4.5°, Coolant

热缩刀柄, 端面出水型



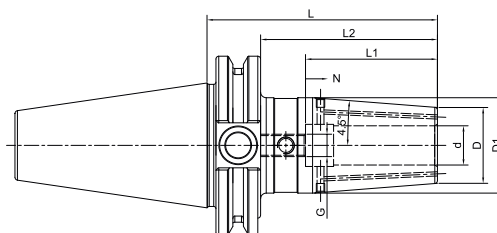
A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	d	D	D1	L	L2	L1	N	G
CAT40-SF1/8-3.15"K	0.125"	0.59"	0.79"	3.15"	2.40"	-	-	-
CAT40-SF3/16-3.15"K	0.187"	0.59"	0.79"	3.15"	2.40"	-	-	-
CAT40-SF1/4-3.15"K	0.250"	0.83"	1.06"	3.15"	2.40"	1.42"	0.39"	M5
CAT40-SF5/16-3.15"K	0.312"	0.83"	1.06"	3.15"	2.40"	1.42"	0.39"	M6
CAT40-SF3/8-3.15"K	0.375"	0.94"	1.26"	3.15"	2.40"	1.65"	0.39"	M8x1
CAT40-SF1/2-3.15"K	0.500"	1.06"	1.34"	3.15"	2.40"	1.85"	0.39"	M10x1
CAT40-SF5/8-3.15"K	0.625"	1.06"	1.34"	3.15"	2.40"	1.97"	0.39"	M12x1
CAT40-SF3/4-3.15"K	0.750"	1.30"	1.65"	3.15"	2.40"	2.05"	0.39"	M16x1
CAT40-SF1-3.94"K	1.000"	1.73"	2.09"	3.94"	2.56"	2.44"	0.39"	M16x1
CAT40-SF1-1/4-3.94"K	1.250"	1.73"	2.09"	3.94"	2.56"	2.44"	0.39"	M16x1
CAT40-SF1/8-4.72"K	0.125"	0.59"	0.79"	4.72"	3.34"	-	-	-
CAT40-SF3/16-4.72"K	0.187"	0.59"	0.79"	4.72"	3.34"	-	-	-
CAT40-SF1/4-4.72"K	0.250"	0.83"	1.06"	4.72"	3.34"	1.42"	0.39"	M5
CAT40-SF5/16-4.72"K	0.312"	0.83"	1.06"	4.72"	3.34"	1.42"	0.39"	M6
CAT40-SF3/8-4.72"K	0.375"	0.94"	1.26"	4.72"	3.34"	1.65"	0.39"	M8x1
CAT40-SF1/2-4.72"K	0.500"	1.06"	1.34"	4.72"	3.34"	1.85"	0.39"	M10x1
CAT40-SF5/8-4.72"K	0.625"	1.06"	1.34"	4.72"	3.34"	1.97"	0.39"	M12x1
CAT40-SF3/4-4.72"K	0.750"	1.30"	1.65"	4.72"	3.34"	2.05"	0.39"	M16x1
CAT40-SF1-4.72"K	1.000"	1.73"	2.09"	4.72"	3.34"	2.44"	0.39"	M16x1
CAT40-SF1-1/4-4.72"K	1.250"	1.73"	2.09"	4.72"	3.34"	2.44"	0.39"	M16x1
CAT40-SF1/8-6.30"K	0.125"	0.59"	0.79"	6.30"	4.92"	-	-	-
CAT40-SF3/16-6.30"K	0.187"	0.59"	0.79"	6.30"	4.92"	-	-	-
CAT40-SF1/4-6.30"K	0.250"	0.83"	1.26"	6.30"	4.92"	1.42"	0.39"	M5
CAT40-SF5/16-6.30"K	0.312"	0.83"	1.26"	6.30"	4.92"	1.42"	0.39"	M6
CAT40-SF3/8-6.30"K	0.375"	0.94"	1.34"	6.30"	4.92"	1.65"	0.39"	M8x1
CAT40-SF1/2-6.30"K	0.500"	1.06"	1.65"	6.30"	4.92"	1.85"	0.39"	M10x1
CAT40-SF5/8-6.30"K	0.625"	1.06"	1.65"	6.30"	4.92"	1.97"	0.39"	M12x1
CAT40-SF3/4-6.30"K	0.750"	1.30"	1.75"	6.30"	4.92"	2.05"	0.39"	M16x1
CAT40-SF1-6.30"K	1.000"	1.73"	2.09"	6.30"	4.92"	2.44"	0.39"	M16x1
CAT40-SF1-1/4-6.30"K	1.250"	1.73"	2.09"	6.30"	4.92"	2.44"	0.39"	M16x1

Shrink Fit Chuck, 4.5°, Coolant 热缩刀柄, 端面出水型

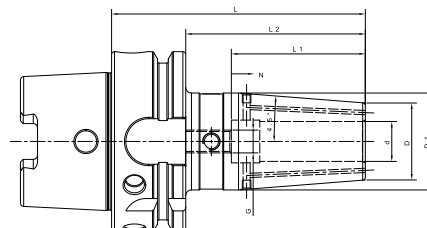
A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	d	D	D1	L	L2	L1	N	G
CAT50-SF1/4-3.15"K	0.250"	0.83"	1.06"	3.15"	2.36"	1.42"	0.39"	M5
CAT50-SF3/8-3.15"K	0.375"	0.94"	1.26"	3.15"	2.36"	1.65"	0.39"	M8x1
CAT50-SF1/2-3.15"K	0.500"	1.06"	1.34"	3.15"	2.36"	1.85"	0.39"	M10x1
CAT50-SF5/8-3.15"K	0.625"	1.06"	1.34"	3.15"	2.36"	1.97"	0.39"	M12x1
CAT50-SF3/4-3.15"K	0.750"	1.30"	1.65"	3.15"	2.36"	2.05"	0.39"	M16x1
CAT50-SF1-3.94"K	1.000"	1.73"	2.09"	3.94"	2.75"	2.44"	0.39"	M16x1
CAT50-SF1-1/4-3.94"K	1.250"	1.73"	2.09"	3.94"	2.75"	2.44"	0.39"	M16x1
CAT50-SF1/4-4.72"K	0.250"	0.83"	1.06"	4.72"	3.35"	1.42"	0.39"	M5
CAT50-SF3/8-4.72"K	0.375"	0.94"	1.26"	4.72"	3.35"	1.65"	0.39"	M8x1
CAT50-SF1/2-4.72"K	0.500"	1.06"	1.34"	4.72"	3.35"	1.85"	0.39"	M10x1
CAT50-SF5/8-4.72"K	0.625"	1.06"	1.34"	4.72"	3.35"	1.97"	0.39"	M12x1
CAT50-SF3/4-4.72"K	0.750"	1.30"	1.65"	4.72"	3.35"	2.05"	0.39"	M16x1
CAT50-SF1-4.72"K	1.000"	1.73"	2.09"	4.72"	3.35"	2.44"	0.39"	M16x1
CAT50-SF1-1/4-4.72"K	1.250"	1.73"	2.09"	4.72"	3.35"	2.44"	0.39"	M16x1
CAT50-SF1/4-6.30"K	0.250"	0.83"	1.26"	6.30"	4.92"	1.42"	0.39"	M5
CAT50-SF3/8-6.30"K	0.375"	0.94"	1.34"	6.30"	4.92"	1.65"	0.39"	M8x1
CAT50-SF1/2-6.30"K	0.500"	1.06"	1.65"	6.30"	4.92"	1.85"	0.39"	M10x1
CAT50-SF5/8-6.30"K	0.625"	1.06"	1.65"	6.30"	4.92"	1.97"	0.39"	M12x1
CAT50-SF3/4-6.30"K	0.750"	1.30"	2.01"	6.30"	4.92"	2.05"	0.39"	M16x1
CAT50-SF1-6.30"K	1.000"	1.73"	2.36"	6.30"	4.92"	2.44"	0.39"	M16x1
CAT50-SF1-1/4-6.30"K	1.250"	1.73"	2.36"	6.30"	4.92"	2.44"	0.39"	M16x1

Shrink Fit Chuck, 4.5°, Coolant 热缩刀柄, 端面出水型

A ↗ ≤0.003	RPM G2.5/25000	AD
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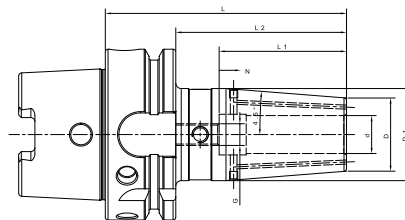


Size	d	D	D1	L	L2	L1	N	G
HSK63A-SF03-80K	3	15	20	80	54	-	-	-
HSK63A-SF04-80K	4	15	20	80	54	-	-	-
HSK63A-SF05-80K	5	15	20	80	54	-	-	-
HSK63A-SF06-80K	6	21	26.5	80	54	36	10	M5
HSK63A-SF08-80K	8	21	26.5	80	54	36	10	M6
HSK63A-SF10-85K	10	24	30.5	85	59	42	10	M8x1
HSK63A-SF12-90K	12	24	31	90	64	47	10	M10x1
HSK63A-SF14-90K	14	27	34	90	64	47	10	M10x1
HSK63A-SF16-95K	16	27	34	95	69	50	10	M12x1
HSK63A-SF18-95K	18	33	41	95	69	50	10	M12x1
HSK63A-SF20-100K	20	33	42	100	74	52	10	M16x1
HSK63A-SF25-115K	25	44	52.5	115	89	58	10	M16x1
HSK63A-SF32-120K	32	44	52.5	120	94	62	10	M16x1
HSK63A-SF03-120K	3	15	20	120	94	-	-	-
HSK63A-SF04-120K	4	15	20	120	94	-	-	-
HSK63A-SF05-120K	5	15	20	120	94	-	-	-
HSK63A-SF06-120K	6	21	27	120	94	36	10	M5
HSK63A-SF08-120K	8	21	27	120	94	36	10	M6
HSK63A-SF10-120K	10	24	32	120	94	42	10	M8x1
HSK63A-SF12-120K	12	24	32	120	94	47	10	M10x1
HSK63A-SF14-120K	14	27	34	120	94	47	10	M10x1
HSK63A-SF16-120K	16	27	34	120	94	50	10	M12x1
HSK63A-SF18-120K	18	33	42	120	94	50	10	M12x1
HSK63A-SF20-120K	20	33	42	120	94	52	10	M16x1
HSK63A-SF25-120K	25	44	52.5	120	94	58	10	M16x1

Shrink Fit Chuck, 4.5°, Coolant

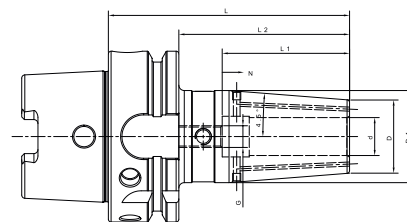
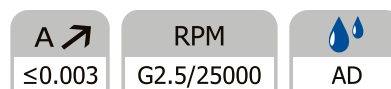
热缩刀柄, 端面出水型

A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	d	D	D1	L	L2	L1	N	G
HSK63A-SF03-160K	3	15	25	160	134	-	-	-
HSK63A-SF04-160K	4	15	25	160	134	-	-	-
HSK63A-SF05-160K	5	15	25	160	134	-	-	-
HSK63A-SF06-160K	6	21	32	160	134	36	10	M5
HSK63A-SF08-160K	8	21	32	160	134	36	10	M6
HSK63A-SF10-160K	10	24	34	160	134	42	10	M8x1
HSK63A-SF12-160K	12	24	34	160	134	47	10	M10x1
HSK63A-SF14-160K	14	27	42	160	134	47	10	M10x1
HSK63A-SF16-160K	16	27	42	160	134	50	10	M12x1
HSK63A-SF18-160K	18	33	51	160	134	50	10	M12x1
HSK63A-SF20-160K	20	33	51	160	134	52	10	M16x1
HSK63A-SF25-160K	25	44	52.5	160	134	58	10	M16x1
HSK63A-SF32-160K	32	44	52.5	160	134	62	10	M16x1
HSK100A-SF06-85K	6	21	26.5	85	56	36	10	M5
HSK100A-SF08-85K	8	21	26.5	85	56	36	10	M6
HSK100A-SF10-90K	10	24	30.5	90	61	42	10	M8x1
HSK100A-SF12-95K	12	24	31	95	66	47	10	M10x1
HSK100A-SF14-95K	14	27	34	95	66	47	10	M10x1
HSK100A-SF16-100K	16	27	34	100	71	50	10	M12x1
HSK100A-SF18-100K	18	33	42	100	71	50	10	M12x1
HSK100A-SF20-105K	20	33	42	105	76	52	10	M16x1
HSK100A-SF25-115K	25	44	53	115	86	58	10	M16x1
HSK100A-SF32-120K	32	44	53	120	91	62	10	M16x1

Shrink Fit Chuck, 4.5°, Coolant 热缩刀柄, 端面出水型



Size	d	D	D1	L	L2	L1	N	G
HSK100A-SF06-120K	6	21	27	120	91	36	10	M5
HSK100A-SF08-120K	8	21	27	120	91	36	10	M6
HSK100A-SF10-120K	10	24	32	120	91	42	10	M8x1
HSK100A-SF12-120K	12	24	32	120	91	47	10	M10x1
HSK100A-SF14-120K	14	27	34	120	91	47	10	M10x1
HSK100A-SF16-120K	16	27	34	120	91	50	10	M12x1
HSK100A-SF18-120K	18	33	42	120	91	50	10	M12x1
HSK100A-SF20-120K	20	33	42	120	91	52	10	M16x1
HSK100A-SF25-120K	25	44	53	120	91	58	10	M16x1
HSK100A-SF06-160K	6	21	32	160	131	36	10	M5
HSK100A-SF08-160K	8	21	32	160	131	36	10	M6
HSK100A-SF10-160K	10	24	34	160	131	42	10	M8x1
HSK100A-SF12-160K	12	24	34	160	131	47	10	M10x1
HSK100A-SF14-160K	14	27	42	160	131	47	10	M10x1
HSK100A-SF16-160K	16	27	42	160	131	50	10	M12x1
HSK100A-SF18-160K	18	33	51	160	131	50	10	M12x1
HSK100A-SF20-160K	20	33	51	160	131	52	10	M16x1
HSK100A-SF25-160K	25	44	60	160	131	58	10	M16x1
HSK100A-SF32-160K	32	44	60	160	131	62	10	M16x1



Bright-tools

SHRINK

BRIGHT-TOOLS

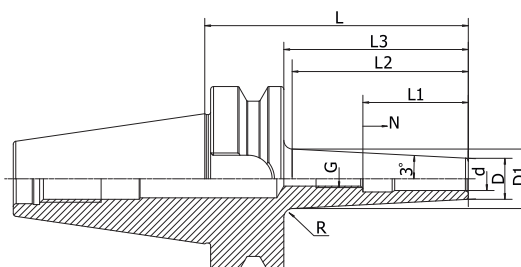
Tool Holder JIS B 6339

Shrink Fit Chuck, Slim, 3°

热缩刀柄 3 度, 细长型



A ↗	RPM	AD
≤0.003	G2.5/25000	



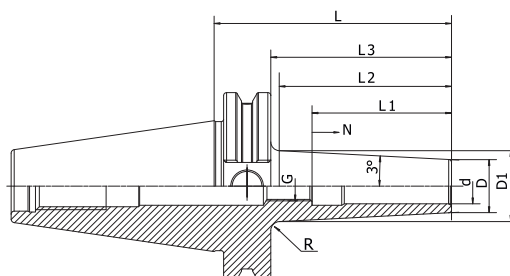
Size	d	D	D1	L	L3	L2	L1	N	G	R
BT30-SFS03-80	3	9	14.8	80	58	55.2	-	-	-	3
BT30-SFS04-80	4	10	15.8	80	58	55.2	-	-	-	3
BT30-SFS06-80	6	12	17.8	80	58	55.2	36	10	M5	3
BT30-SFS08-80	8	14	19.8	80	58	55.2	36	10	M6	3
BT30-SFS10-80	10	16	21.8	80	58	55.2	42	10	M8x1	3
BT30-SFS12-80	12	18	23.8	80	58	55.2	47	10	M10x1	3
BT30-SFS16-80	16	22	27.8	80	58	55.2	50	10	M12x1	3
BT30-SFS06-120	6	12	21.5	120	98	90.6	36	10	M5	3
BT30-SFS08-120	8	14	23.5	120	98	90.6	36	10	M6	3
BT30-SFS10-120	10	16	25.5	120	98	90.6	42	10	M8x1	3
BT30-SFS12-120	12	18	27.5	120	98	90.6	47	10	M10x1	3
BT30-SFS16-120	16	22	31.5	120	98	90.6	50	10	M12x1	3
BT40-SFS03-90	3	9	15.3	90	63	60.2	-	-	-	3
BT40-SFS04-90	4	10	16.3	90	63	60.2	-	-	-	3
BT40-SFS06-90	6	12	18.3	90	63	60.2	36	10	M5	3
BT40-SFS08-90	8	14	20.3	90	63	60.2	36	10	M6	3
BT40-SFS10-90	10	16	22.3	90	63	60.2	42	10	M8x1	3
BT40-SFS12-90	12	18	24.3	90	63	60.2	47	10	M10x1	3
BT40-SFS16-90	16	22	28.3	90	63	60.2	50	10	M12x1	3
BT40-SFS03-120	3	9	18.3	120	93	88.3	-	-	-	5
BT40-SFS04-120	4	10	19.3	120	93	88.3	-	-	-	5
BT40-SFS06-120	6	12	21.3	120	93	88.3	36	10	M5	5
BT40-SFS08-120	8	14	23.3	120	93	88.3	36	10	M6	5
BT40-SFS10-120	10	16	25.3	120	93	88.3	42	10	M8x1	5
BT40-SFS12-120	12	18	27.3	120	93	88.3	47	10	M10x1	5
BT40-SFS16-120	16	22	31.3	120	93	88.3	50	10	M12x1	5
BT40-SFS03-160	3	9	22.4	160	133	128.3	-	-	-	5
BT40-SFS04-160	4	10	23.4	160	133	128.3	-	-	-	5
BT40-SFS06-160	6	12	25.4	160	133	128.3	36	10	M5	5
BT40-SFS08-160	8	14	27.4	160	133	128.3	36	10	M6	5
BT40-SFS10-160	10	16	29.4	160	133	128.3	42	10	M8x1	5
BT40-SFS12-160	12	18	31.4	160	133	128.3	47	10	M10x1	5
BT40-SFS16-160	16	22	35.4	160	133	128.3	50	10	M12x1	5
BT40-SFS20-160	20	27	40.4	160	133	128.3	52	10	M16x1	5

Shrink Fit Chuck, Slim, 3°

热缩刀柄 3 度, 细长型



A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	d	D	D1	L	L3	L2	L1	N	G	R
SK40-SFS03-80	3	9	16.1	80	70.9	68.1	-	-	-	3
SK40-SFS04-80	4	10	17.1	80	70.9	68.1	-	-	-	3
SK40-SFS06-80	6	12	19.1	80	70.9	68.1	36	10	M5	3
SK40-SFS08-80	8	14	21.1	80	70.9	68.1	36	10	M6	3
SK40-SFS10-80	10	16	23.1	80	70.9	68.1	42	10	M8x1	3
SK40-SFS12-80	12	18	25.1	80	70.9	68.1	47	10	M10x1	3
SK40-SFS16-80	16	22	29.1	80	70.9	68.1	50	10	M12x1	3
SK40-SFS03-120	3	9	19.1	120	100.9	96.1	-	-	-	5
SK40-SFS04-120	4	10	20.1	120	100.9	96.1	-	-	-	5
SK40-SFS06-120	6	12	22.1	120	100.9	96.1	36	10	M5	5
SK40-SFS08-120	8	14	24.1	120	100.9	96.1	36	10	M6	5
SK40-SFS10-120	10	16	26.1	120	100.9	96.1	42	10	M8x1	5
SK40-SFS12-120	12	18	28.1	120	100.9	96.1	47	10	M10x1	5
SK40-SFS16-120	16	22	32.1	120	100.9	96.1	50	10	M12x1	5
SK40-SFS03-160	3	9	23.3	160	140.9	136.2	-	-	-	5
SK40-SFS04-160	4	10	24.3	160	140.9	136.2	-	-	-	5
SK40-SFS06-160	6	12	26.3	160	140.9	136.2	36	10	M5	5
SK40-SFS08-160	8	14	28.3	160	140.9	136.2	36	10	M6	5
SK40-SFS10-160	10	16	30.3	160	140.9	136.2	42	10	M8x1	5
SK40-SFS12-160	12	18	32.3	160	140.9	136.2	47	10	M10x1	5
SK40-SFS16-160	16	22	36.3	160	140.9	136.2	50	10	M12x1	5



Bright-tools

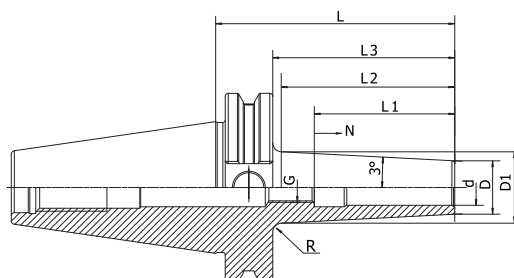
SHRINK

BRIGHT-TOOLS

Tool Holder ANSI B5.50

Shrink Fit Chuck, Slim, 3°**热缩刀柄 3 度, 细长型**

A ↗	RPM	
≤0.003	G2.5/25000	AD

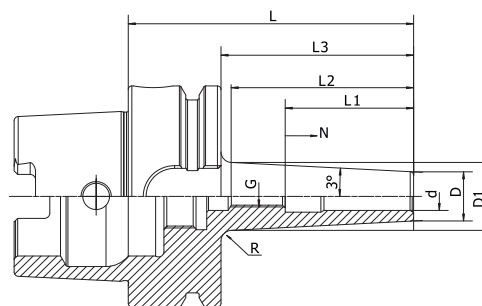


Size	d	D	D1	L	L1	G
CAT40-SFS03-80	3	9	15.5	80	45	M6.0P
CAT40-SFS04-80	4	10	16.3	80	45	M6.0P
CAT40-SFS06-80	6	12	18.3	80	45	M5x0.8P
CAT40-SFS1/8"-3.15"	1/8"	0.35"	0.60"	3.15"	0.78"	M6.0P
CAT40-SFS3/16"-3.15"	3/16"	0.43"	0.68"	3.15"	0.78"	M6.0P
CAT40-SFS1/4"-3.15"	1/4"	0.47"	0.72"	3.15"	1.42"	M5x0.8P
CAT40-SFS3/8"-3.15"	3/8"	0.63"	0.88"	3.15"	1.93"	M8x1.25P
CAT40-SFS1/2"-3.15"	1/2"	0.70"	0.96"	3.15"	1.93"	M10x1.5P

Shrink Fit Chuck, Slim, 3° 热缩刀柄 3 度, 细长型



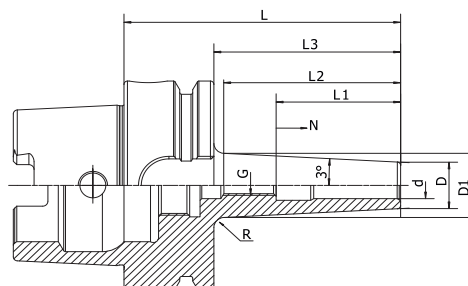
A ↗ ≤0.003	RPM G2.5/25000	AD
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Size	d	D	D1	L	L3	L2	L1	N	G	R
HSK50A-SFS03-80	3	9	14.4	80	54	51.2	-	-	-	3
HSK50A-SFS04-80	4	10	15.4	80	54	51.2	-	-	-	3
HSK50A-SFS06-80	6	12	17.4	80	54	51.2	36	10	M5	3
HSK50A-SFS08-80	8	14	19.4	80	54	51.2	36	10	M6	3
HSK50A-SFS10-85	10	16	21.9	85	59	56.2	42	10	M8x1	3
HSK50A-SFS12-90	12	18	24.4	90	64	61.2	47	10	M10x1	3
HSK50A-SFS16-95	16	22	28.9	95	69	66.2	50	10	M12x1	3
HSK63A-SFS03-80	3	9	14	80	54	47.7	-	-	-	4
HSK63A-SFS04-80	4	10	15.4	80	54	51.2	-	-	-	3
HSK63A-SFS06-80	6	12	17.4	80	54	51.2	36	10	M5	3
HSK63A-SFS08-80	8	14	19.4	80	54	51.2	36	10	M6	3
HSK63A-SFS10-85	10	16	21.8	85	59	56.2	42	10	M8x1	3
HSK63A-SFS12-90	12	18	24.4	90	64	61.2	47	10	M10x1	3
HSK63A-SFS16-95	16	22	28.7	95	69	64.3	50	10	M12x1	5
HSK63A-SFS03-120	3	9	18.4	120	94	89.3	-	-	-	5
HSK63A-SFS04-120	4	10	19.4	120	94	89.3	-	-	-	5
HSK63A-SFS06-120	6	12	21.4	120	94	89.3	36	10	M5	5
HSK63A-SFS08-120	8	14	23.4	120	94	89.3	36	10	M6	5
HSK63A-SFS10-120	10	16	25.4	120	94	89.3	42	10	M8x1	5
HSK63A-SFS12-120	12	18	27.4	120	94	89.3	47	10	M10x1	5
HSK63A-SFS16-120	16	22	31.4	120	94	89.3	50	10	M12x1	5
HSK63A-SFS03-160	3	9	22.5	160	134	129.3	-	-	-	5
HSK63A-SFS04-160	4	10	23.5	160	134	129.3	-	-	-	5
HSK63A-SFS06-160	6	12	25.5	160	134	129.3	36	10	M5	5
HSK63A-SFS08-160	8	14	27.5	160	134	129.3	36	10	M6	5
HSK63A-SFS10-160	10	16	29.5	160	134	129.3	42	10	M8x1	5
HSK63A-SFS12-160	12	18	31.5	160	134	129.3	47	10	M10x1	5
HSK63A-SFS16-160	16	22	35.5	160	134	129.3	50	10	M12x1	5

Shrink Fit Chuck, Slim, 3° 热缩刀柄 3 度, 细长型

A ↗	RPM	AD
≤0.003	G2.5/25000	

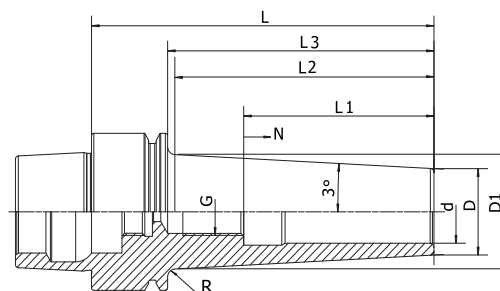


Size	d	D	L	L3	L1	N	G
HSK63A-SFS1/8-3.15"	0.125"	0.59"	3.15"	2.13"	-	-	-
HSK63A-SFS3/16-3.15"	0.187"	0.59"	3.15"	2.13"	-	-	-
HSK63A-SFS1/4-3.15"	0.250"	0.83"	3.15"	2.13"	1.42"	0.39"	M5
HSK63A-SFS5/16-3.15"	0.312"	0.83"	3.15"	2.13"	1.42"	0.39"	M6
HSK63A-SFS3/8-3.35"	0.375"	0.94"	3.35"	2.32"	1.65"	0.39"	M8x1
HSK63A-SFS1/2-3.54"	0.500"	1.06"	3.54"	2.52"	1.85"	0.39"	M10x1

Shrink Fit Chuck, Slim, 3°

热缩刀柄 3 度, 细长型

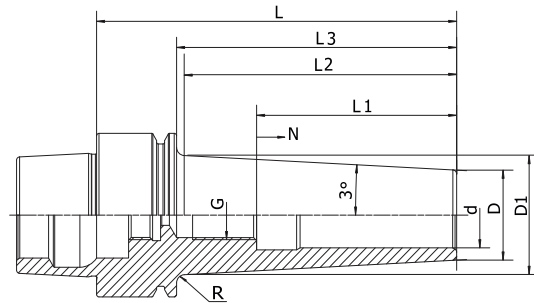
A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	d	D	D1	L	L3	L2	L1	N	G	R
HSK25E-SFS03-50	3	9	—	50	33	—	23	8	M6	—
HSK25E-SFS04-50	4	10	—	50	33	—	20	4	M6	—
HSK25E-SFS05-50	5	11	—	50	33	—	20	3	M6	—
HSK25E-SFS06-50	6	12	—	50	33	—	36	—	—	—
HSK25E-SFS08-50	8	14	—	50	38	—	36	—	—	—
HSK25E-SFS10-50	10	16	—	50	40	—	42	—	—	—
HSK32E-SFS03-60	3	9	13.3	60	44	41.2	20	5	M6	3
HSK32E-SFS04-60	4	10	14.3	60	44	41.2	20	5	M6	3
HSK32E-SFS06-70	6	12	17.4	70	54	51.2	36	5	M5	3
HSK32E-SFS08-70	8	14	19.36	70	54	51.2	36	5	M6	3
HSK32E-SFS10-80	10	16	22.4	80	64	61.2	42	5	M8x1	3
HSK40E-SFS03-50	3	9	11.9	50	30	27.2	20	—	—	3
HSK40E-SFS04-50	4	10	12.9	50	30	27.2	20	—	—	3
HSK40E-SFS06-60	6	12	15.9	60	40	37.2	36	10	M5	3
HSK40E-SFS08-60	8	14	17.9	60	40	37.2	36	10	—	3
HSK40E-SFS10-60	10	16	19.9	60	40	37.2	42	10	—	3
HSK40E-SFS12-60	12	18	21.9	60	40	37.2	42	10	—	3
HSK40E-SFS16-70	16	22	27	70	50	48.1	50	10	—	2
HSK50E-SFS03-60	3	9	12.3	60	34	31.2	20	—	—	3
HSK50E-SFS04-80	4	10	15.4	80	54	51.2	20	—	—	3
HSK50E-SFS06-80	6	12	17.4	80	54	51.2	36	10	M5	3
HSK50E-SFS08-80	8	14	19.4	80	54	51.2	36	10	M6	3
HSK50E-SFS10-90	10	16	22.4	90	64	61.2	42	10	M8x1	3
HSK50E-SFS12-90	12	18	24.4	90	64	61.2	47	10	M10x1	3
HSK50E-SFS16-90	16	22	28.4	90	64	61.2	50	10	M16x1	3

Shrink Fit Chuck, Slim, 3° 热缩刀柄 3 度, 细长型

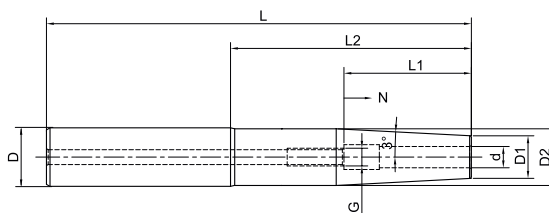
A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	d	D	D1	L	L3	L1	N	G
HSK40E-SFS1/8-2.36"	1/8"	0.36"	0.63"	2.36"	1.57"	0.78"	—	M6 x 1.0
HSK40E-SFS3/16-2.36"	3/16"	0.43"	0.69"	2.36"	1.57"	0.78"	—	M6 x 1.0
HSK40E-SFS1/4-2.36"	1/4"	0.47"	0.81"	2.36"	1.57"	1.42"	0.39"	M5 x 0.8
HSK40E-SFS3/8-2.36"	3/8"	0.63"	0.94"	2.36"	1.57"	1.65"	0.39"	M8 x 1.25
HSK40E-SFS1/2-2.36"	1/2"	0.71"	1.06"	2.36"	1.57"	1.85"	0.39"	M10 x 1.5
HSK50E-SFS1/8-2.76	0.125	0.39	0.55	2.76	1.65	0.79	—	M6
HSK50E-SFS3/16-2.76	0.187	0.39	0.55	2.76	1.65	0.98	—	M6
HSK50E-SFS1/4-2.76	0.25	0.47	0.63	2.76	1.65	1.42	0.39"	M5
HSK50E-SFS3/8-2.76	0.375	0.63	0.79	2.76	1.65	1.65	0.39"	
HSK50E-SFS1/2-2.76	0.5	0.71	0.87	2.76	1.65	1.85	0.39"	—
HSK50E-SFS5/8-2.76	0.625	0.87	1.02	2.76	1.65	1.85	0.39"	—
HSK50E-SFS1/4-3.54	0.25	0.47	0.71	3.54	2.36	1.42	0.39"	M5
HSK50E-SFS3/8-3.54	0.375	0.63	0.87	3.54	2.36	1.65	0.39"	M8x1
HSK50E-SFS1/2-3.54	0.5	0.79	1.02	3.54	2.36	1.85	0.39"	M10x1
HSK50E-SFS5/8-3.54	0.625	0.87	1.1	3.54	2.36	1.97	0.39"	M10x1
HSK50E-SFS1/8-3.94	0.125	0.39	0.67	3.94	2.76	0.79	—	M6
HSK50E-SFS3/16-3.94	0.187	0.43	0.71	3.94	2.76	0.98	—	M6
HSK50E-SFS1/4-4.72	0.25	0.47	0.83	4.72	3.54	1.42	0.39"	M5
HSK50E-SFS3/8-4.72	0.375	0.63	0.98	4.72	3.54	1.65	0.39"	M8x1
HSK50E-SFS1/2-4.72	0.5	0.79	1.14	4.72	3.54	1.85	0.39"	M10x1
HSK50E-SFS5/8-4.72	0.625	0.87	1.22	4.72	3.54	1.97	0.39"	M10x1

Shrink Fit Extension, 3°

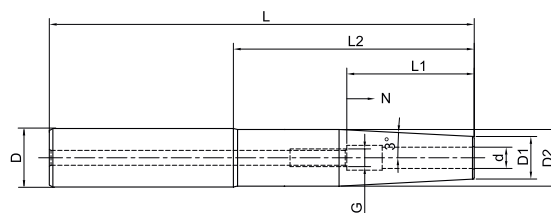
3° 直柄热缩延长杆



Size	d	D1	D2	D	L	L1	L2	N	G	
C12-SFS03-120	3	9	11.8	12	120	-	73	-	-	1
C12-SFS04-120	4	10	11.8	12	120	-	73	-	-	1
C12-SFS05-120	5	11	11.8	12	120	-	73	-	-	1
C12-SFS06-120	6	12	17	12	120	36	73	10	M5	3
C12-SFS08-120	8	14	19	12	120	36	73	10	M6	3
C16-SFS03-120	3	9	13	16	120	-	70	-	-	1
C16-SFS04-120	4	10	14	16	120	-	70	-	-	1
C16-SFS05-120	5	11	15	16	120	-	70	-	-	1
C16-SFS06-120	6	12	15.8	16	120	36	70	10	M5	2
C16-SFS08-120	8	14	19	16	120	36	70	10	M6	3
C20-SFS03-120	3	9	13	20	120	-	68	-	-	1
C20-SFS04-120	4	10	14	20	120	-	68	-	-	1
C20-SFS05-120	5	11	15	20	120	-	68	-	-	1
C20-SFS06-120	6	12	16	20	120	36	68	10	M5	1
C20-SFS08-120	8	14	19	20	120	36	68	10	M6	1
C20-SFS10-120	10	16	19.8	20	120	42	68	10	M8x1	1
C20-SFS12-120	12	18	19.8	20	120	47	68	10	M10x1	1
C12-SFS03-160	3	9	11.8	12	160	-	113	-	-	1
C12-SFS04-160	4	10	11.8	12	160	-	113	-	-	1
C16-SFS03-160	3	9	13	16	160	-	110	-	-	1
C16-SFS04-160	4	10	14	16	160	-	110	-	-	1
C16-SFS05-160	5	11	15	16	160	-	110	-	-	1
C20-SFS05-160	5	11	15	20	160	-	110	-	-	1
C20-SFS06-160	6	12	16	20	160	36	108	10	M5	1
C20-SFS08-160	8	14	19	20	160	36	108	10	M6	1
C25-SFS08-160	8	14	19	25	160	36	108	10	M6	1
C25-SFS10-160	10	16	21	25	160	42	108	10	M8x1	1
C25-SFS12-160	12	18	23	25	160	47	108	10	M10x1	1
C25-SFS14-160	14	20	24.8	25	160	47	108	10	M10x1	1
C25-SFS16-160	16	22	24.8	25	160	50	108	10	M12x1	1
C32-SFS10-160	10	16	21	32	160	42	98	10	M8x1	1
C32-SFS12-160	12	18	23	32	160	47	98	10	M10x1	1

Shrink Fit Extension, 3°

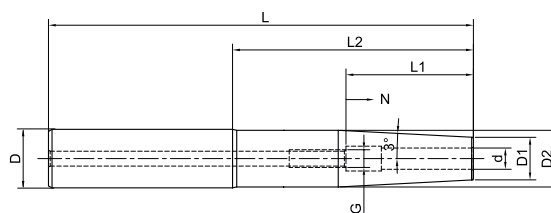
3° 直柄热缩延长杆



Size	d	D1	D2	D	L	L1	L2	N	G
C32-SFS14-160	14	20	25	32	160	47	98	10	M10x1
C32-SFS16-160	16	22	28	32	160	50	98	10	M12x1
C32-SFS18-160	18	25	30	32	160	50	98	10	M12x1
C32-SFS20-160	20	26	31.8	32	160	52	98	10	M16x1
C16-SFS03-200	3	9	13	16	200	-	150	-	-
C16-SFS04-200	4	10	14	16	200	-	150	-	-
C16-SFS05-200	5	11	15	16	200	-	150	-	-
C16-SFS06-200	6	12	15.8	16	200	36	150	10	M5
C16-SFS08-200	8	14	19	16	200	36	150	10	M6
C20-SFS04-200	4	10	14	20	200	-	148	-	-
C20-SFS06-200	6	12	16	20	200	36	148	10	M5
C20-SFS08-200	8	14	19	20	200	36	148	10	M6
C20-SFS10-200	10	16	19.8	20	200	42	148	10	M8x1
C20-SFS06-250	6	12	16	20	250	36	198	10	M5
C20-SFS08-250	8	14	19	20	250	36	198	10	M6
C20-SFS10-250	10	16	19.8	20	250	42	198	10	M8x1
C25-SFS12-250	12	18	23	25	250	47	192	10	M10x1
C25-SFS16-250	16	22	28	25	250	50	192	10	M12x1

Shrink Fit Extension, 3°

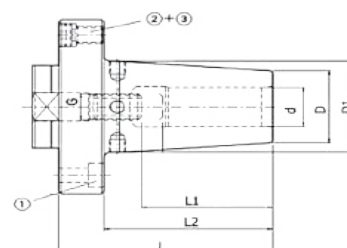
3° 直柄热缩延长杆



Size	d	D1	D2	D	L	L1	L2	N	G
C1/2-1/8-4.33	1/8	0.39	1/2	1/2	4.33	0.79	2.48	0.2	M6
C3/4-1/8-4.33	1/8	0.39	3/4	3/4	4.33	0.98	2.28	0.2	M6
C1/2-1/4-4.33	1/4	0.47	1/2	1/2	4.33	1.42	2.48	0.39	M5
C3/4-1/4-4.33	1/4	0.47	3/4	3/4	4.33	1.42	2.28	0.39	M5
C3/4-3/8-4.33	3/8	0.63	3/4	3/4	4.33	1.65	2.28	0.39	M8*1
C3/4-1/8-9.84	1/8	0.39	3/4	3/4	9.84	0.79	7.79	0.2	M6
C3/4-1/4-9.84	1/4	0.47	3/4	3/4	9.84	1.42	7.79	0.39	M5
C3/4-3/8-9.84	3/8	0.63	3/4	3/4	9.84	1.65	7.79	0.39	M8*1
C3/4-1/2-9.84	1/2	0.79	1	3/4	9.84	1.85	7.59	0.39	M10*1
C1-1/2-9.84	1/2	0.87	1	1	9.84	1.85	7.59	0.39	M10*1
C1-5/8-9.84	5/8	0.87	1	1	9.84	1.97	7.59	0.39	M12*1

Module Shrink Chuck

法兰热缩刀柄

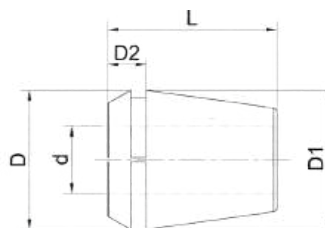


A
 ≤0.003

Size	d	D	D1	L	L2	L1	N	G
MOD60-SF06-70	6	21	27	70	57	36	10	M5
MOD60-SF08-70	8	21	27	70	57	36	10	M6
MOD60-SF10-70	10	24	32	70	57	41	10	M8x1
MOD60-SF12-70	12	24	32	70	57	46	10	M10x1
MOD70-SF14-75	14	27	34	75	60	46	10	M10x1
MOD70-SF16-75	16	27	34	75	60	49	10	M12x1
MOD80-SF18-80	18	33	42	80	63	49	10	M12x1
MOD80-SF20-80	20	33	42	80	63	51	10	M16x1
MOD100-SF25-80	25	44	53	80	59	57	10	M16x1
MOD100-SF32-80	32	44	53	80	59	61	10	M16x1

Shrink Fit ER Collet

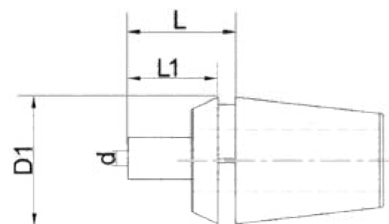
ER 热缩夹头



Size	Collet Size	d	D1	D2	L
ER16-SF03	ER16	3	16	6.7	27.5
ER16-SF04	ER16	4	16	6.7	27.5
ER16-SF05	ER16	5	16	6.7	27.5
ER16-SF06	ER16	6	16	6.7	27.5
ER16-SF08	ER16	8	16	6.7	27.5
ER16-SF10	ER16	10	16	6.7	27.5
ER20-SF03	ER20	3	20	7.52	31.5
ER20-SF04	ER20	4	20	7.52	31.5
ER20-SF05	ER20	5	20	7.52	31.5
ER20-SF06	ER20	6	20	7.52	31.5
ER20-SF08	ER20	8	20	7.52	31.5
ER20-SF10	ER20	10	20	7.52	31.5
ER20-SF12	ER20	12	20	7.52	31.5
ER25-SF03	ER25	3	25	8	34
ER25-SF04	ER25	4	25	8	34
ER25-SF05	ER25	5	25	8	34
ER25-SF06	ER25	6	25	8	34
ER25-SF08	ER25	8	25	8	34
ER25-SF10	ER25	10	25	8	34
ER25-SF12	ER25	12	25	8	34
ER25-SF14	ER25	14	25	8	34
ER25-SF16	ER25	16	25	8	34
ER32-SF03	ER32	3	32	9	40
ER32-SF04	ER32	4	32	9	40
ER32-SF05	ER32	5	32	9	40
ER32-SF06	ER32	6	32	9	40
ER32-SF08	ER32	8	32	9	40
ER32-SF10	ER32	10	32	9	40
ER32-SF12	ER32	12	32	9	40
ER32-SF14	ER32	14	32	9	40
ER32-SF16	ER32	16	32	9	40
ER32-SF18	ER32	18	32	9	40
ER32-SF20	ER32	20	32	9	40

Shrink Fit ER Collet Extension

ER 热缩延长杆



Size	Collet Size	d	D1	L	L1
ER16-SFS03-35	ER16	3	16	41.7	35
ER16-SFS04-35	ER16	4	16	41.7	35
ER16-SFS05-35	ER16	5	16	41.7	35
ER16-SFS06-35	ER16	6	16	41.7	35
ER20-SFS03-35	ER20	3	20	42.52	35
ER20-SFS04-35	ER20	4	20	42.52	35
ER20-SFS05-35	ER20	5	20	42.52	35
ER20-SFS06-35	ER20	6	20	42.52	35
ER20-SFS08-35	ER20	8	20	42.52	35
ER25-SFS03-35	ER25	3	25	43	35
ER25-SFS04-35	ER25	4	25	43	35
ER25-SFS05-35	ER25	5	25	43	35
ER25-SFS06-35	ER25	6	25	43	35
ER25-SFS08-35	ER25	8	25	43	35
ER25-SFS10-35	ER25	10	25	43	35
ER32-SFS03-35	ER32	3	32	44	35
ER32-SFS04-35	ER32	4	32	44	35
ER32-SFS05-35	ER32	5	32	44	35
ER32-SFS06-35	ER32	6	32	44	35
ER32-SFS08-35	ER32	8	32	44	35
ER32-SFS10-35	ER32	10	32	44	35
ER32-SFS12-35	ER32	12	32	44	35
ER32-SFS14-35	ER32	14	32	44	35
ER32-SFS16-35	ER32	16	32	44	35

Shrink Chuck Set

热缩刀柄套装

A ↗
≤0.003

RPM
G2.5/25000


AD



Size	Tool Holder Size	Extension Size	Extension Quantity
BT40-SF16-90-4 pcs	BT40-SF16-90	C16-SFS03/04/06/08-160	4
BT40-SF16-90-4 pcs	BT40-SF16-90	C16-SFS03/04/06/08-160	4
BT40-SF20-90-6 pcs	BT40-SF20-90	C20-SFS03/04/06/08/10/12-160	6
SK40-SF16-90-4 pcs	SK40-SF16-90	C12-SFS03/04/06/08-160	4
SK40-SF16-90-4 pcs	SK40-SF16-90	C16-SFS03/04/06/08-160	4
SK40-SF20-90-6 pcs	SK40-SF20-90	C20-SFS03/04/06/08/10/12-160	6
HSK63A-SF16-90-4 pcs	HSK63A-SF16-90	C12-SFS03/04/06/08-160	4
HSK63A-SF16-90-4 pcs	HSK63A-SF16-90	C16-SFS03/04/06/08-160	4
HSK63A-SF20-90-6 pcs	HSK63A-SF20-90	C20-SFS03/04/06/08/10/12-160	6

Shrink Chuck Taper

分体热缩本体，标准型

A ↗
≤0.003

RPM
G2.5/25000

AD

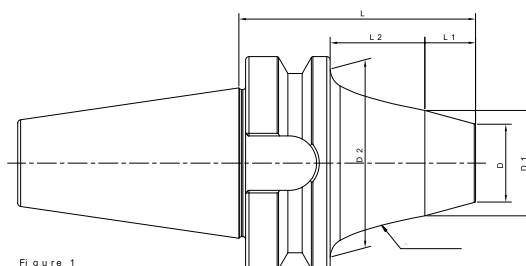


Figure 1

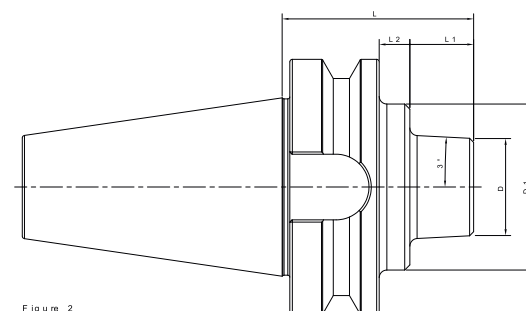


Figure 2

Size	D	D1	D2	L	L1	L2	Figure
BT30-TSF06-35	19	-	34	35	13	-	1
BT30-TSF08-35	23	-	34	35	13	-	1
BT30-TSF12-35	38	-	-	35	13	-	2
BT40-TSF08-40	23	-	53	40	13	-	1
BT40-TSF12-45	38	-	-	45	18	-	2
BT40-TSF12-75	38	-	-	75	48	-	2
BT40-TSF12-135	41	-	-	135	108	-	2
BT50-TSF12-75	38	65	-	75	25	12	2
BT50-TSF12-105	41	66	-	105	55	12	2
BT50-TSF12-135	41	67	-	135	85	12	2

Shrink Chuck Taper

分体热缩本体，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

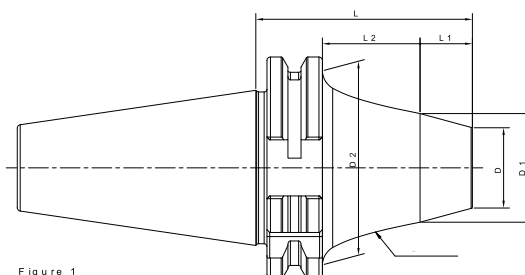


Figure 1

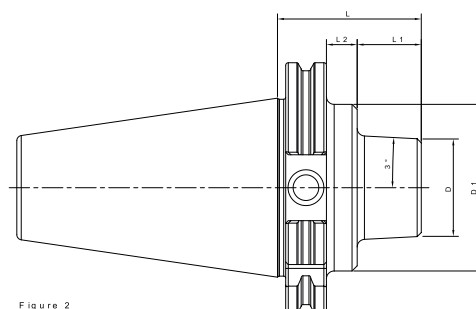


Figure 2

Size	D	D1	D2	L	L1	L2	Figure
SK30-TSF06-35	19	-	34	35	13	-	1
SK30-TSF08-35	23	27.5	34	35	13	-	1
SK30-TSF12-35	38	-	-	35	13	-	2
SK40-TSF08-40	23	31.2	50	40	13	-	1
SK40-TSF12-45	38	-	-	45	18	-	2
SK40-TSF12-75	38	-	-	75	48	-	2
SK40-TSF12-135	38	-	-	135	108	-	2
SK50-TSF12-75	38	65	-	75	25	12	2
SK50-TSF12-105	38	65	-	105	55	12	2
SK50-TSF12-135	38	65	-	135	85	12	2

Shrink Chuck Taper 分体热缩本体，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

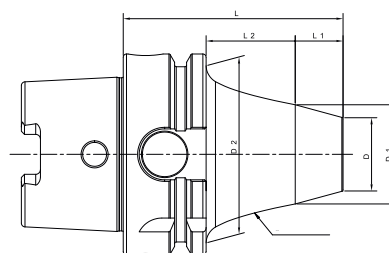


Figure 1

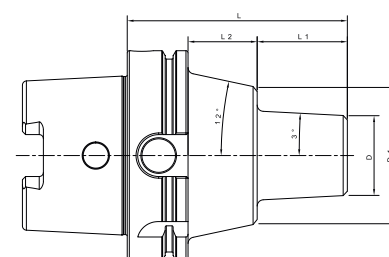


Figure 2

Size	D	D1	D2	L	L1	L2	Figure
HSK50A-TSF06-55	19	24.6	42	55	7	22	1
HSK50A-TSF08-55	23	28.1	42	55	7	22	1
HSK50A-TSF12-75	38	-	-	75	49	-	2
HSK63A-TSF08-55	23	29.5	53	55	7	22	1
HSK63A-TSF12-75	38	-	-	75	49	-	2
HSK63A-TSF12-135	38	-	-	135	109	-	2
HSK100A-TSF12-105	38	65	-	105	43	33	2

Shrink Chuck Taper

分体热缩本体，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

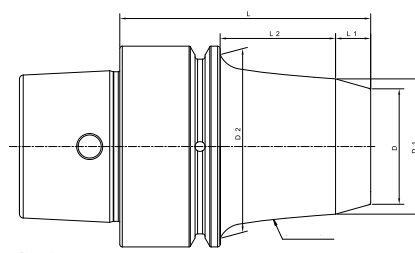


Figure 1

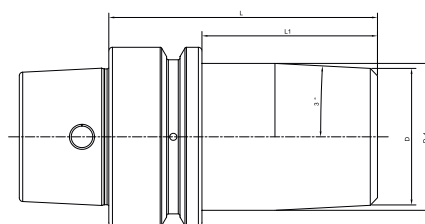


Figure 2

Size	D	D1	D2	L	L1	L2	Figure
HSK32E-TSF06-50	19	26	-	50	7	23	1
HSK40E-TSF06-50	19	23.5	34	50	7	23	1
HSK40E-TSF08-50	23	27	34	50	7	23	1
HSK50E-TSF06-55	19	24.6	42	55	7	22	1
HSK50E-TSF08-55	23	28.1	42	55	7	22	1
HSK50E-TSF12-75	38	-	-	75	49	-	2

Shrink Chuck Taper 分体热缩本体，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

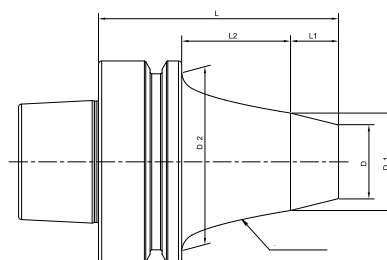


Figure 1

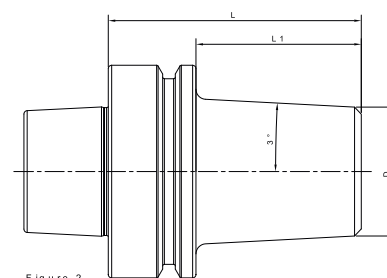


Figure 2

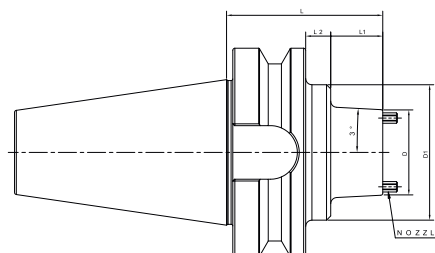
Size	D	D1	D2	L	L1	L2	Figure
HSK63F-TSF08-55	23	29.5	53	55	7	22	1
HSK63F-TSF12-75	38	-	-	75	49	-	2

Shrink Chuck Taper, Coolant

分体热缩本体，端面出水型



A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	D	D1	L	L1	L2
BT40-TSF12-45K	41	-	45	18	-
BT40-TSF12-75K	41	-	75	48	-
BT40-TSF12-135K	41	-	135	108	-
BT50-TSF12-75K	41	65	75	25	12
BT50-TSF12-105K	41	65	105	55	12
BT50-TSF12-135K	41	65	135	85	12

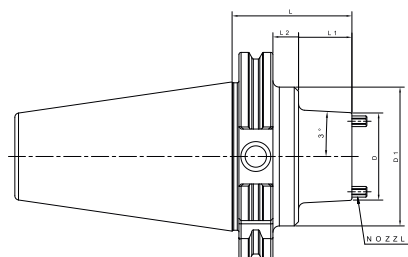
Tool Holder DIN 69871

Shrink Chuck Taper, Coolant

分体热缩本体，端面出水型



A ↗	RPM	
≤0.003	G2.5/25000	AD

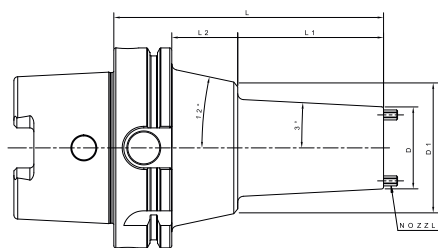


Size	D	D1	L	L1	L2
SK40-TSF12-45K	41	-	45	25.9	-
SK40-TSF12-75K	41	-	75	55.9	-
SK40-TSF12-135K	41	44	135	28.6	87.3
SK50-TSF12-75K	41	65	75	43.9	12
SK50-TSF12-105K	41	65	105	73.9	12
SK50-TSF12-135K	41	65	135	103.9	12

Shrink Chuck Taper, Coolant

分体热缩本体, 端面出水型

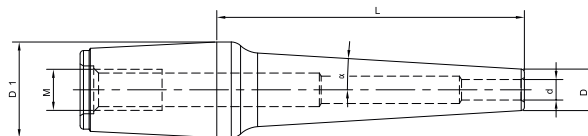
		
≤0.003	G2.5/25000	AD



Size	D	D1	L	L1	L2
HSK63A-TSF12-75K	41	-	75	49	-
HSK63A-TSF12-135K	41	-	135	109	-
HSK100A-TSF12-105K	41	65	105	43	33
HSK100A-TSF12-135K	41	65	135	73	33

Shrink Chuck Extension, Slim

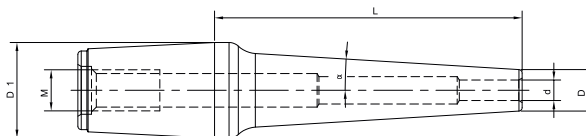
分体热缩延长杆, 细长型



Size	d	D	D1	L	M	α
12-SF3-35S	3	6	26	35	M10	3
12-SF3-55S	3	6	26	55	M10	3
12-SF3-80S	3	6	26	80	M10	3
12-SF3-110S	3	6	26	110	M10	3
12-SF4-35S	4	7	26	35	M10	3
12-SF4-55S	4	7	26	55	M10	3
12-SF4-80S	4	7	26	80	M10	3
12-SF4-110S	4	7	26	110	M10	3
12-SF5-35S	5	8	26	35	M10	3
12-SF5-55S	5	8	26	55	M10	3
12-SF5-80S	5	8	26	80	M10	3
12-SF5-110S	5	8	26	110	M10	3
12-SF6-35S	6	9	26	35	M10	3
12-SF6-55S	6	9	26	55	M10	3
12-SF6-80S	6	9	26	80	M10	3
12-SF6-110S	6	9	26	110	M10	3
12-SF7-35S	7	10	26	35	M10	3
12-SF7-55S	7	10	26	55	M10	3
12-SF7-80S	7	10	26	80	M10	3
12-SF7-110S	7	10	26	110	M10	3
12-SF8-35S	8	11	26	35	M10	3
12-SF8-55S	8	11	26	55	M10	3
12-SF8-80S	8	11	26	80	M10	3
12-SF8-110S	8	11	26	110	M10	3

Shrink Chuck Extension, Slim

分体热缩延长杆, 细长型



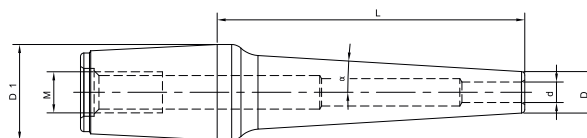
Size	d	D	D1	L	M	α
12-SF9-35S	9	12	26	35	M10	3
12-SF9-55S	9	12	26	55	M10	3
12-SF9-80S	9	12	26	80	M10	3
12-SF9-110S	9	12	26	110	M10	3
12-SF10-35S						
	10	13	26	35	M10	3
12-SF10-55S	10	13	26	55	M10	3
12-SF10-80S	10	13	26	80	M10	3
12-SF10-110S	10	13	26	110	M10	3
12-SF11-35S						
	11	14	26	35	M10	3
12-SF11-55S	11	14	26	55	M10	3
12-SF11-80S	11	14	26	80	M10	3
12-SF11-110S	11	14	26	110	M10	3
12-SF12-35S						
	12	15	26	35	M10	3
12-SF12-55S	12	15	26	55	M10	3
12-SF12-80S	12	15	26	80	M10	3
12-SF12-110S	12	15	26	110	M10	3

Inch

Size	d	D	D1	L	M	α
12-SF3.175-35S	3.175	6.175	26	35	M10	3
12-SF3.175-55S	3.175	6.175	26	55	M10	3
12-SF3.175-80S	3.175	6.175	26	80	M10	3
12-SF3.175-110S	3.175	6.175	26	110	M10	3

Shrink Chuck Extension, Standard

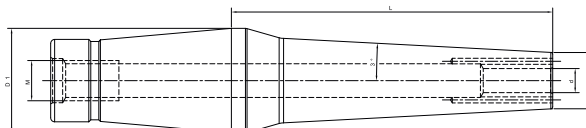
分体热缩延长杆, 标准型



Size	d	D	D1	L	M	α
12-SF3-35	3	7.5	26	35	M10	3
12-SF3-55	3	7.5	26	55	M10	3
12-SF3-80	3	7.5	26	80	M10	3
12-SF4-35	4	10	26	35	M10	3
12-SF4-55	4	10	26	55	M10	3
12-SF4-80	4	10	26	80	M10	3
12-SF6-35	6	12	26	35	M10	3
12-SF6-55	6	12	26	55	M10	3
12-SF6-80	6	12	26	80	M10	3
12-SF8-35	8	14	26	35	M10	3
12-SF8-55	8	14	26	55	M10	3
12-SF8-80	8	14	26	80	M10	3
12-SF10-35	10	16	26	35	M10	3
12-SF10-55	10	16	26	55	M10	3
12-SF10-80	10	16	26	80	M10	3
12-SF12-35	12	20	26	35	M10	3
12-SF12-55	12	20	26	55	M10	3
12-SF12-80	12	20	26	80	M10	3

Shrink Chuck Extension, Coolant

分体热缩延长杆, 端面出水型



Size	d	D	D1	L	M
12-SF3-35K	3	9.5	26	35	M10
12-SF3-55K	3	9.5	26	55	M10
12-SF3-80K	3	9.5	26	80	M10
12-SF4-35K	4	12	26	35	M10
12-SF4-55K	4	12	26	55	M10
12-SF4-80K	4	12	26	80	M10
12-SF6-35K	6	14	26	35	M10
12-SF6-55K	6	14	26	55	M10
12-SF6-80K	6	14	26	80	M10
12-SF8-35K	8	16	26	35	M10
12-SF8-55K	8	16	26	55	M10
12-SF8-80K	8	16	26	80	M10
12-SF10-35K	10	18	26	35	M10
12-SF10-55K	10	18	26	55	M10
12-SF10-80K	10	18	26	80	M10
12-SF12-35K	12	20	26	35	M10
12-SF12-55K	12	20	26	55	M10
12-SF12-80K	12	20	26	80	M10

Shrink Chuck Set

热缩刀柄套装

A ↗
≤0.003

RPM
G2.5/25000


AD



Size	Tool Holder Size	Extension Size	Extension Quantity
BT40-TSF08-40-4 pcs	BT40-TSF08-40	8-SF3/4/6/8-45S	4
BT40-TSF08-70-4 pcs	BT40-TSF08-70	8-SF3/4/6/8-45S	4
BT40-TSF12-45-6 pcs	BT40-TSF12-45	12-SF3/4/6/8/10/12-80S	6
BT40-TSF12-75-6 pcs	BT40-TSF12-75	12-SF3/4/6/8/10/12-80S	6
SK40-TSF08-40-4 pcs	SK40-TSF08-40	8-SF3/4/6/8-45S	4
SK40-TSF08-70-4 pcs	SK40-TSF08-70	8-SF3/4/6/8-45S	4
SK40-TSF12-45-6 pcs	SK40-TSF12-45	12-SF3/4/6/8/10/12-80S	6
SK40-TSF12-75-6 pcs	SK40-TSF12-75	12-SF3/4/6/8/10/12-80S	6
HSK63A-TSF08-55-4 pcs	HSK63A-TSF08-55	8-SF3/4/6/8-45S	4
HSK63A-TSF08-75-4 pcs	HSK63A-TSF08-75	8-SF3/4/6/8-45S	4
HSK63A-TSF12-75-6 pcs	HSK63A-TSF12-75	12-SF3/4/6/8/10/12-80S	6
HSK63F-TSF08-55-4 pcs	HSK63F-TSF08-55	8-SF3/4/6/8-45S	4
HSK63F-TSF08-75-4 pcs	HSK63F-TSF08-75	8-SF3/4/6/8-45S	4
HSK63F-TSF12-75-6 pcs	HSK63F-TSF12-75	12-SF3/4/6/8/10/12-80S	6

Shrink Fit Machine, Standard 热缩机, 标准型

- Inductive shrink fit technology
- 7"-Touch-Display, automatic parameter setting, simplified usability
- Used for carbide cutting tools

- 电磁感应加热技术
- 7 寸触摸屏, 自动化参数设置, 使用简单
- 适用于硬质合金刀具



Size	Power	Power	D	DxWxH
HSM STD 2.0	380V 50HZ	13KW	Φ3-Φ32	740×580×845

HYDRAULIC TOOL HOLDERS



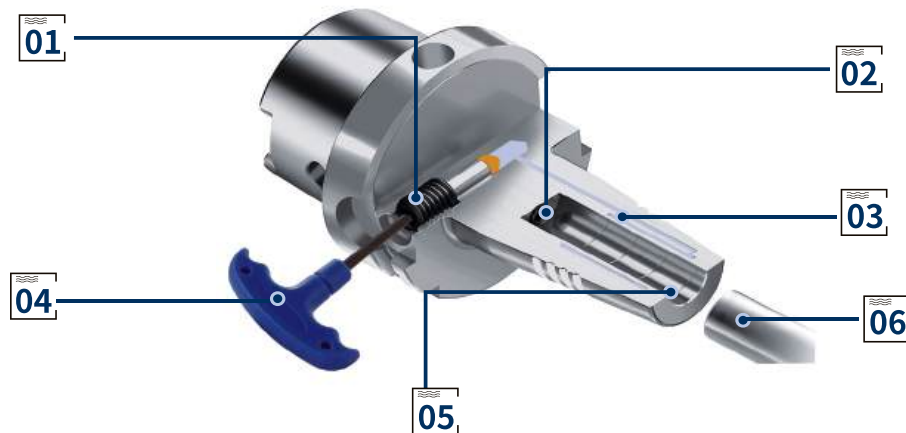
Bright-tools

BRIGHT-TOOLS

HYDRO

Hydraulic Chuck Construction

液压刀柄构造图



01 Lock Screw

Tighten to locking screw to a dead stop.

02 Adjust Screw

To preset cutting tools.

03 Expansion Sleeve and Chamber System

The chamber system fills with hydraulic fluid, exerting a damping effect on the clamped tool.

04 Hex Key

To tighten locking screw for fast cutting tool change.

05 The Grooves

The large clamping pressure creates a displacement of oil, grease, or lubricant residues into the groove, so bore surfaces remains dry.

06 Cutting Tool

The cutting tool is clamped with high run-out.

01 锁紧螺钉

通过锁紧螺钉将液压油压缩到油腔中

02 定位螺钉

用于调节刀具

03 膨胀套和油腔

通过对油腔内液压油施加压力，从而膨胀夹紧刀具

04 内六角扳手

用于锁紧螺钉，实现快速换刀

05 污垢槽

液压刀柄的巨大夹紧压力会导致油、油脂或润滑剂残留物进入凹槽，从而使表面保持干燥。

06 刀具

直接夹持圆柱形刀具



High Precision

The hydraulic chuck is with high precision, which greatly improves the dimensional accuracy, effectively prevents the tool from breaking, and reduces tool wear.

精度高

液压刀柄极高的夹持精度在钻孔和铰孔加工时大大提高孔的尺寸精度并有效防止断刀，在铣削加工中则使多刃刀具各切削刃能够均匀地切入工件，从而改善切削状态，降低刀具磨损。

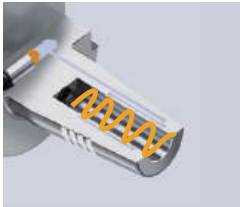


Large Clamping Force

The special clamping method makes it evenly clamp the cutting tool 360 degrees, with large clamping force, good rigidity, and higher clamping torque.

夹持力大

液压刀柄特殊的夹持方式使之 360 度均匀夹紧刀具，夹持力大，刚性好，能够传递更高的夹持扭矩。



Better Anti-Vibration Result

The damping structure has excellent damping and shock absorption performance. It can reduce the vibration generated in the cutting process and improve the surface quality of the workpiece.

减震效果好

液压刀柄油腔内的油增加结构阻尼，从而改善刀柄夹持的动力学特性，使之具有优良的阻尼减震性能。可以降低切削加工中产生的振动，提高工件的表面质量。



Easy to Install and Remove

Easy to insert and remove the cutting tool by a hex wrench.

装卸简单

液压刀柄装卸刀具非常方便，只要使用一把六角扳手就可以轻松地装卸刀具，不需要任何辅助装置。

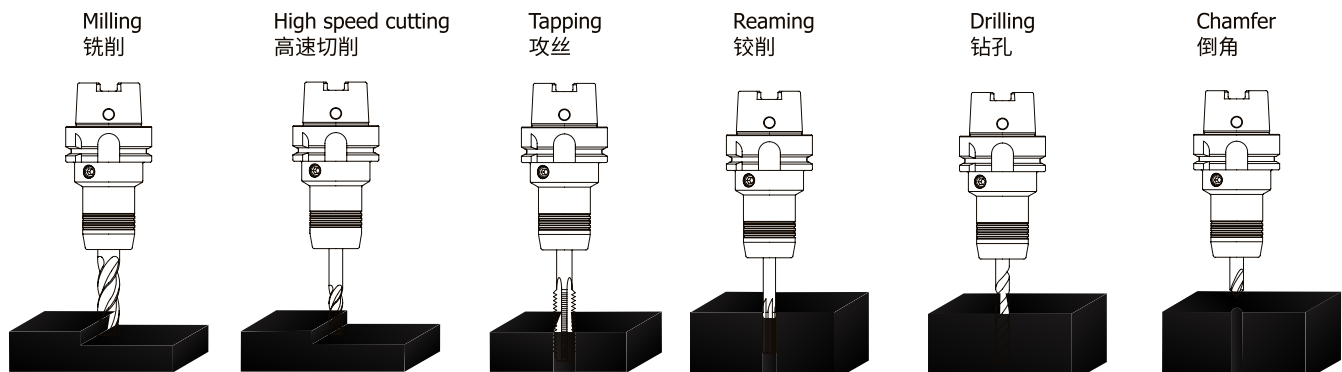


Hydraulic Collet

One tool holder can clamp different cutting tool diameters by collets.

适合高速加工

液压刀柄受空腔壁的限制，高速旋转时不产生离心力，适合高速加工。



HYDRAULIC TOOLING SYSTEM

HYDRAULIC 工具系统

HYDRO

BT Hydraulic Chuck, Standard	B.06
BT 液压刀柄, 标准型	B.06
BBT Hydraulic Chuck, Standard	B.09
BBT 液压刀柄, 标准型	B.09
SK Hydraulic Chuck, Standard	B.10
SK 液压刀柄, 标准型	B.10
CAT Hydraulic Chuck, Standard	B.12
CAT 液压刀柄, 标准型	B.12
HSK-A Hydraulic Chuck, Standard	B.13
HSK-A 液压刀柄, 标准型	B.13
HSK-E Hydraulic Chuck, Standard.....	B.16
HSK-E 液压刀柄, 标准型	B.16
HSK-F Hydraulic Chuck, Standard.....	B.16
HSK-F 液压刀柄, 标准型	B.16
BT Hydraulic Chuck, Power Design.....	B.17
BT 液压刀柄, 强力型	B.17
SK Hydraulic Chuck, Power Design.....	B.17
SK 液压刀柄, 强力型	B.17
HSK Hydraulic Chuck, Power Design.....	B.18
HSK 液压刀柄, 强力型	B.18
BT Hydraulic Chuck, Short.....	B.18
BT 液压刀柄, 超短型	B.18
SK Hydraulic Chuck, Short.....	B.18
SK 液压刀柄, 超短型	B.18
BT Hydraulic Chuck, for Mould.....	B.19
BT 液压刀柄, 模具型	B.19
SK Hydraulic Chuck, for Mould.....	B.20
SK 液压刀柄, 模具型	B.20
HSK Hydraulic Chuck, for Mould.....	B.21
HSK 液压刀柄, 模具型	B.21
SK Hydraulic Chuck, for Grind.....	B.22
SK 液压刀柄, 研磨机专用	B.22
MTB Hydraulic Chuck.....	B.22
莫氏液压刀柄	B.22
Hydraulic Chuck, Module.....	B.23
法兰液压刀柄	B.23
Hydraulic Sealed Collet.....	B.24
液压止水筒夹	B.24
Hydraulic Collet, Coolant.....	B.25
液压筒夹, 通水型	B.25
Hydraulic Collet Set	B.26
液压筒夹套装	B.26





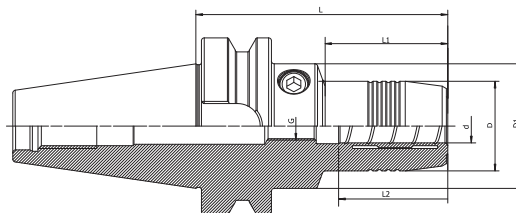
Bright-tools

BRIGHT-TOOLS

Tool Holder JIS B 6339

Hydraulic Chuck, Standard**液压刀柄, 标准型**A ↗
≤0.003RPM
G2.5/25000

AD



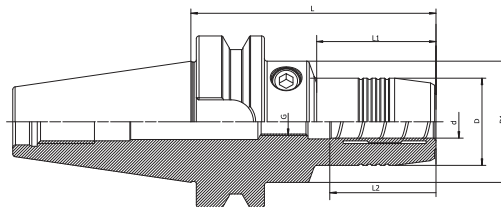
Size	d	D	D1	L	L1	L2	G
BT30-HY06-70	6	26	45	70	28	30	M5
BT30-HY08-70	8	28	45	70	28.5	30	M6
BT30-HY10-75	10	30	45	75	34	34	M8x1
BT30-HY12-85	12	32	45	85	44	39	M10x1
BT30-HY14-85	14	34	45	85	44.5	39	M10x1
BT30-HY16-90	16	38	45	90	50	42	M10x1
BT30-HY18-90	18	40	45	90	50.5	42	M10x1
BT30-HY20-90	20	42	45	90	51	44	M10x1
BT40-HY06-65	6	26	44.5	65	43	30	M5
BT40-HY08-65	8	28	44.5	65	44.5	30	M6
BT40-HY10-65	10	30	44.5	65	44.5	34	M8x1
BT40-HY12-65	12	32	44.5	65	44.5	39	M10x1
BT40-HY14-65	14	34	44.5	65	44.5	39	M10x1
BT40-HY16-65	16	38	50	65	44.5	42	M12x1
BT40-HY18-65	18	40	50	65	44.5	42	M8x1
BT40-HY20-65	20	42	50	65	45.5	44	M10x1
BT40-HY06-90	6	26	44.5	90	43	30	M5
BT40-HY08-90	8	28	44.5	90	43.5	30	M6
BT40-HY10-90	10	30	44.5	90	44	34	M8x1
BT40-HY12-90	12	32	44.5	90	44	39	M10x1
BT40-HY14-90	14	34	44.5	90	44.5	39	M10x1
BT40-HY16-90	16	38	50	90	44.5	42	M12x1
BT40-HY18-90	18	40	50	90	44.5	42	M12x1
BT40-HY20-90	20	42	50	90	45	44	M12x1
BT40-HY25-100	25	57	62	100	54	50	M16x1
BT40-HY32-105	32	64	-	105	-	54	M16x1

Hydraulic Chuck, Standard

液压刀柄, 标准型



A ↗	RPM	
≤0.003	G2.5/25000	AD



HYDRO

Size	d	D	D1	L	L1	L2	G
BT40-HY06-150	6	26	50	150	102	30	M5
BT40-HY08-150	8	28	50	150	102	30	M6
BT40-HY10-150	10	30	50	150	103	34	M8x1
BT40-HY12-150	12	32	50	150	103	39	M10x1
BT40-HY14-150	14	34	50	150	103.5	39	M10x1
BT40-HY16-150	16	38	50	150	104.5	42	M12x1
BT40-HY18-150	18	40	50	150	104.5	42	M12x1
BT40-HY20-150	20	42	50	150	105	44	M16x1
BT40-HY25-150	25	57	62	150	104	50	M16x1
BT40-HY32-150	32	64	-	150	-	54	M16x1
BT40-HY06-200	6	26	44.5	200	152.5	30	M5
BT40-HY08-200	8	28	44.5	200	154	30	M6
BT40-HY10-200	10	30	44.5	200	154	34	M8x1
BT40-HY12-200	12	32	44.5	200	155	39	M10x1
BT40-HY14-200	14	34	44.5	200	155	39	M10x1
BT40-HY16-200	16	38	50	200	156	42	M12x1
BT40-HY18-200	18	40	50	200	156	42	M10x1
BT40-HY20-200	20	42	50	200	155	44	M16x1
BT40-HY25-200	25	57	62	200	157	50	M16x1
BT40-HY32-200	32	64	-	200	-	54	M16x1
BT50-HY06-90	6	26	44.5	90	34	30	M5
BT50-HY08-90	8	28	44.5	90	34	30	M6
BT50-HY10-90	10	30	44.5	90	34	34	M8x1
BT50-HY12-90	12	32	44.5	90	34	39	M10x1
BT50-HY14-90	14	34	44.5	90	34	39	M10x1
BT50-HY16-90	16	38	50	90	34	42	M12x1
BT50-HY18-90	18	40	50	90	34	42	M12x1
BT50-HY20-90	20	42	50	90	34	44	M16x1
BT50-HY25-105	25	57	70	105	46	50	M16x1
BT50-HY32-115	32	64	70	115	57.5	54	M16x1

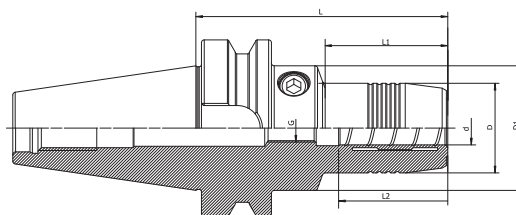
Hydraulic Chuck, Standard

液压刀柄, 标准型

A ↗
≤0.003

RPM
G2.5/25000

AD



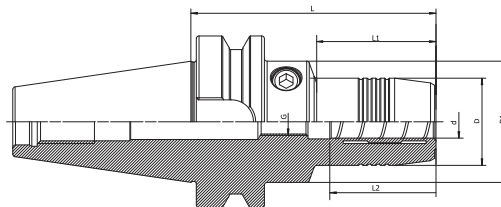
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BT50-HY06-120	6	26	44.5	120	34	30	M5
BT50-HY08-120	8	28	44.5	120	34	30	M6
BT50-HY10-120	10	30	44.5	120	34	34	M8×1
BT50-HY12-120	12	32	44.5	120	34	39	M10×1
BT50-HY14-120	14	34	44.5	120	34	39	M10×1
BT50-HY16-120	16	38	50	120	34	42	M12×1
BT50-HY18-120	18	40	50	120	34	42	M12×1
BT50-HY20-120	20	42	50	120	34	44	M16×1
BT50-HY06-150	6	26	44.5	150	34	30	M5
BT50-HY08-150	8	28	44.5	150	34	30	M6
BT50-HY10-150	10	30	44.5	150	34	34	M8×1
BT50-HY12-150	12	32	44.5	150	34	39	M10×1
BT50-HY14-150	14	34	44.5	150	34	39	M10×1
BT50-HY16-150	16	38	50	150	34	42	M12×1
BT50-HY18-150	18	40	50	150	34	42	M12×1
BT50-HY20-150	20	42	50	150	34	44	M16×1
BT50-HY25-150	25	57	70	150	91	50	M16×1
BT50-HY32-150	32	64	70	150	93	54	M16×1

Hydraulic Chuck, Standard

液压刀柄, 标准型



A ↗ ≤0.003	RPM G2.5/25000	AD
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HYDRO

Size	d	D	D1	L	L1	L2	G
BBT40-HY06-90	6	26	44.5	90	43	30	M5
BBT40-HY08-90	8	28	44.5	90	43.5	30	M6
BBT40-HY10-90	10	30	44.5	90	44	34	M8x1
BBT40-HY12-90	12	32	44.5	90	44	39	M10x1
BBT40-HY14-90	14	34	44.5	90	44.5	39	M10x1
BBT40-HY16-90	16	38	50	90	44.5	42	M12x1
BBT40-HY18-90	18	40	50	90	44.5	42	M12x1
BBT40-HY20-90	20	42	50	90	45	44	M12x1
BBT40-HY25-100	25	57	62	100	54	50	M16x1
BBT40-HY32-105	32	64	-	105	-	54	M16x1
BT50-HY06-90	6	26	44.5		34	30	M5
BT50-HY08-90	8	28	44.5	90	34	30	M6
BT50-HY10-90	10	30	44.5	90	34	32	M8x1
BT50-HY12-90	12	32	44.5	90	34	37	M10x1
BT50-HY14-90	14	34	44.5	90	34	39	M10x1
BT50-HY16-90	16	38	50	90	34	42	M12x1
BT50-HY18-90	18	40	50	90	34	42	M12x1
BT50-HY20-90	20	42	50	90	34	44	M16x1
BT50-HY25-105	25	57	70	105	48.5	50	M16x1
BT50-HY32-115	32	64	70	115	59.5	54	M16x1
BT50-HY06-120	6	26	44.5	120	34	27	M5
BT50-HY08-120	8	28	44.5	120	34	27	M6x1
BT50-HY10-120	10	30	44.5	120	34	32	M8x1
BT50-HY12-120	12	32	44.5	120	34	37	M10x1
BT50-HY14-120	14	34	44.5	120	34	37	M10x1
BT50-HY16-120	16	38	44.5	120	34	42	M12x1
BT50-HY18-120	18	40	44.5	120	34	42	M12x1
BT50-HY20-120	20	42	50	120	34	44	M16x1

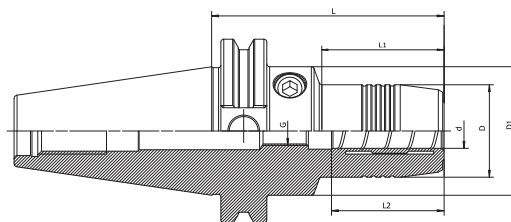
Hydraulic Chuck, Standard

液压刀柄, 标准型

A ↗
≤0.003

RPM
G2.5/25000

AD/B



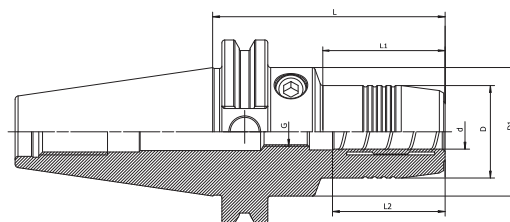
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SK30-HY06-70	6	26	45	70	20	27	M5
SK30-HY08-70	8	28	45	70	20	27	M6
SK30-HY10-75	10	30	45	75	21	32	M8x1
SK30-HY12-85	12	32	44.5	85	44	39	M10x1
SK30-HY14-85	14	34	45	85	22	37	M10x1
SK30-HY16-90	16	38	45	90	50	42	M6
SK30-HY18-90	18	40	45	90	50	42	M10x1
SK30-HY20-90	20	42	45	90	50	44	M6
SK40-HY06-65	6	26	44.5	65	42	30	M5
SK40-HY08-65	8	28	49.5	65	30	27	M6
SK40-HY10-65	10	30	49.5	65	31	32	M8x1
SK40-HY12-65	12	32	44.5	65	43	39	M10x1
SK40-HY16-65	16	38	49.5	65	33	42	M12x1
SK40-HY20-65	20	42	49	65	44	44	M10x1
SK40-HY06-80.5	6	26	44.5	80.5	41.5	30	M5
SK40-HY08-80.5	8	28	44.5	80.5	42	30	M6
SK40-HY10-80.5	10	30	44.5	80.5	42	34	M8x1
SK40-HY12-80.5	12	32	44.5	80.5	42.5	39	M10x1
SK40-HY14-80.5	14	34	44.5	80.5	43	39	M10x1
SK40-HY16-80.5	16	38	50	80.5	43	42	M12x1
SK40-HY20-80.5	20	42	49	80.5	44	44	M12x1
SK40-HY25-80.5	25	57	68	80.5	26	50	M16x1
SK40-HY32-80.5	32	64	80	80.5	23	54	M16x1
SK40-HY06-110	6	26	44.5	110	71.5	30	M5
SK40-HY08-110	8	28	44.5	110	71.5	30	M6
SK40-HY10-110	10	30	44.5	110	72	34	M8x1
SK40-HY12-110	12	32	44.5	110	72.5	39	M10x1
SK40-HY16-110	16	38	50	110	72	42	M12x1
SK40-HY20-110	20	42	50	110	73	44	M16x1

Hydraulic Chuck, Standard

液压刀柄, 标准型



A ↗	RPM	
≤0.003	G2.5/25000	AD/B



HYDRO

Size	d	D	D1	L	L1	L2	G
SK50-HY06-80.5	6	26	50	80.5	39.5	30	M5
SK50-HY08-80.5	8	28	50	80.5	39.5	30	M6
SK50-HY10-80.5	10	30	50	80.5	40	34	M8x1
SK50-HY12-80.5	12	32	50	80.5	40.5	39	M10x1
SK50-HY16-80.5	16	38	49.5	80.5	40	42	M12x1
SK50-HY20-80.5	20	42	50	80.5	44	44	M16x1
SK50-HY25-80.5	25	57	70	80.5	43	50	M16x1
SK50-HY32-80.5	32	64	70	80.5	44	54	M16x1
SK50-HY06-110	6	26	49.5	110	30	27	M5
SK50-HY08-110	8	28	49.5	110	30	27	M6
SK50-HY10-110	10	30	49.5	110	32	32	M8x1
SK50-HY12-110	12	32	50	110	44	39	M10x1
SK50-HY16-110	16	38	49.5	110	40	42	M12x1
SK50-HY20-110	20	42	50	110	44	44	M16x1
SK50-HY25-110	25	27	70	110	70	50	M16x1
SK50-HY06-150	6	26	49.5	150	30	27	M5
SK50-HY08-150	8	28	49.5	150	30	27	M6
SK50-HY10-150	10	30	49.5	150	32	32	M8x1
SK50-HY12-150	12	32	49.5	150	35	37	M10x1
SK50-HY16-150	16	38	49.5	150	40	42	M12x1
SK50-HY20-150	20	42	50	150	44	44	M16x1

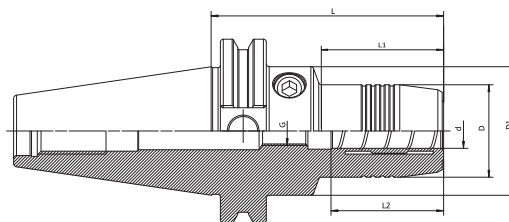
Hydraulic Chuck, Standard

液压刀柄, 标准型

A ↗
≤0.003

RPM
G2.5/25000

AD



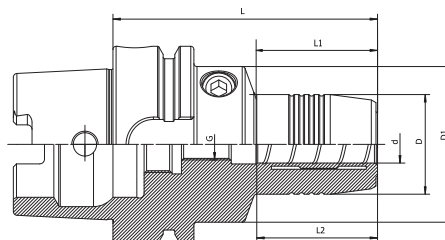
Size	d	D	D1	L	L1	L2	G
CAT40-HY06-81	6	26	49.5	81	30	27	M5
CAT40-HY08-81	8	28	49.5	81	30	27	M6
CAT40-HY10-81	10	30	49.5	81	31	32	M8x1
CAT40-HY12-81	12	32	49.5	81	31.5	37	M10x1
CAT40-HY16-81	16	38	49.5	81	33	42	M12x1
CAT40-HY20-81	20	42	49.5	81	34	42	M10x1
CAT40-HY25-81	25	55	66	81	22	48	M16x1
CAT40-HY32-81	32	63	80	81	25.5	55	M16x1
CAT40-HY06-110	6	26	49.5	110	29.5	27	M5
CAT40-HY08-110	8	28	49.5	110	30	27	M6
CAT40-HY10-110	10	30	49.5	110	31	32	M8x1
CAT40-HY12-110	12	32	49.5	110	31.5	37	M10x1
CAT40-HY16-110	16	38	49.5	110	33	42	M12x1
CAT40-HY20-110	20	42	49.5	110	34	42	M16x1
CAT50-HY06-81	6	26	49.5	81	30	27	M5
CAT50-HY08-81	8	28	49.5	81	30	27	M6
CAT50-HY10-81	10	30	49.5	81	32	32	M8x1
CAT50-HY12-81	12	32	49.5	81	35	37	M10x1
CAT50-HY16-81	16	38	49.5	81	40	42	M12x1
CAT50-HY20-81	20	42	49.5	81	40	42	M16x1

Hydraulic Chuck, Standard

液压刀柄, 标准型



A ↗ ≤0.003	RPM G2.5/25000	AD
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HYDRO

Size	d	D	D1	L	L1	L2	G
HSK32A-HY06-80	6	26	40	80	29	27	M5
HSK32A-HY08-80	8	28	40	80	29	27	M6
HSK32A-HY10-85	10	30	40	85	35	32	M6
HSK32A-HY12-90	12	32	40	90	40	37	M6
HSK40A-HY06-70	6	26	34	70	36	27	M5
HSK40A-HY08-70	8	28	34	70	36	27	M6
HSK40A-HY10-75	10	30	34	75	42	32	M6
HSK40A-HY12-80	12	32	34	80	48	37	M6
HSK50A-HY06-70	6	26	40	70	28	27	M5
HSK50A-HY08-70	8	28	40	70	28	27	M6
HSK50A-HY10-75	10	30	40	75	39	32	M8×1
HSK50A-HY12-85	12	32	40	85	44	37	M10×1
HSK50A-HY14-85	14	34	41	85	43.5	39	M8×1
HSK50A-HY16-90	16	38	53	90	30	42	M12×1
HSK50A-HY18-90	18	40	57	90	30	42	M8×1
HSK50A-HY20-90	20	42	60	90	29	42	M16×1
HSK63A-HY06-70	6	26	50	70	23	30	M5
HSK63A-HY08-70	8	28	50	70	23.5	30	M6
HSK63A-HY10-80	10	30	50	80	34	34	M8×1
HSK63A-HY12-85	12	32	50	85	39	39	M10×1
HSK63A-HY14-85	14	34	50	85	40	39	M10×1
HSK63A-HY16-90	16	38	50	90	45.5	42	M10×1
HSK63A-HY18-90	18	40	50	90	46	42	M10×1
HSK63A-HY20-90	20	42	50	90	46	44	M10×1
HSK63A-HY25-120	25	57	62	120	58	50	M16×1
HSK63A-HY32-125	32	64	-	125	-	54	M16×1



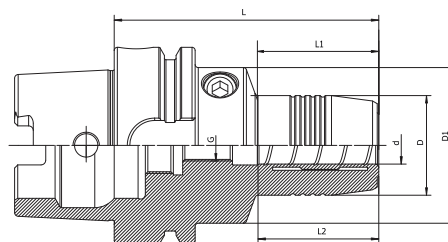
Bright-tools

BRIGHT-TOOLS

Tool Holder DIN 69893 (ISO 12164) HSK-A

Hydraulic Chuck, Standard**液压刀柄, 标准型****HYDRO**

A ↗	RPM	
≤0.003	G2.5/25000	AD



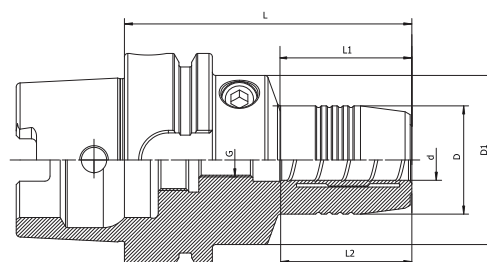
Size	d	D	D1	L	L1	L2	G
HSK63A-HY06-150	6	26	50	150	103	30	M5
HSK63A-HY08-150	8	28	50	150	103	30	M6
HSK63A-HY10-150	10	30	50	150	104	34	M8x1
HSK63A-HY12-150	12	32	50	150	104	39	M10x1
HSK63A-HY14-150	14	34	50	150	105	39	M10x1
HSK63A-HY16-150	16	38	50	150	105	42	M12x1
HSK63A-HY18-150	18	40	50	150	106	42	M12x1
HSK63A-HY20-150	20	42	50	150	106	44	M16x1
HSK63A-HY25-150	25	57	62	150	88	50	M16x1
HSK63A-HY32-150	32	64	70	150	88	54	M16x1
HSK63A-HY06-200	6	26	50	200	103.5	30	M5
HSK63A-HY08-200	8	28	50	200	104	30	M6
HSK63A-HY10-200	10	30	50	200	104.5	34	M8x1
HSK63A-HY12-200	12	32	50	200	104.5	39	M10x1
HSK63A-HY14-200	14	34	50	200	105.5	42	M12x1
HSK63A-HY16-200	16	38	50	200	105.5	42	M12x1
HSK63A-HY18-200	18	40	50	200	105.5	42	M12x1
HSK63A-HY20-200	20	42	50	200	106	44	M16x1
HSK63A-HY25-200	25	57	62	200	152	50	M16x1
HSK63A-HY32-200	32	64	70	200	152	54	M16x1
HSK80A-HY06-80	6	26	50	80	33	30	M5
HSK80A-HY12-95	12	32	50	95	49	39	M10x1
HSK80A-HY14-100	14	34	50	100	54.5	39	M10x1
HSK80A-HY16-100	16	38	50	100	55	42	M12x1
HSK80A-HY20-105	20	42	50	105	61	44	M12x1
HSK80A-HY25-110	25	57	63	110	64.5	50	M16x1
HSK80A-HY32-100	32	64	67	100	55	54	M10x1

Hydraulic Chuck, Standard

液压刀柄, 标准型



A ↗	RPM	
≤0.003	G2.5/25000	AD



HYDRO

Size	d	D	D1	L	L1	L2	G
HSK100A-HY06-75	6	26	50	75	25	30	M5
HSK100A-HY08-75	8	28	50	75	25.5	30	M6
HSK100A-HY10-90	10	30	50	90	41	34	M8x1
HSK100A-HY12-95	12	32	50	95	46	39	M10x1
HSK100A-HY14-95	14	34	50	95	47	37	M10x1
HSK100A-HY16-100	16	38	50	100	52	42	M12x1
HSK100A-HY18-100	18	40	50	100	52.5	42	M12x1
HSK100A-HY20-105	20	42	60	105	54	44	M16x1
HSK100A-HY25-110	25	57	70	110	60	50	M16x1
HSK100A-HY32-110	32	64	70	110	61.5	54	M16x1
HSK100A-HY06-150	6	26	50	150	100	30	M5
HSK100A-HY08-150	8	28	50	150	100.5	30	M6
HSK100A-HY10-150	10	30	50	150	101	34	M8x1
HSK100A-HY12-150	12	32	50	150	101.5	39	M10x1
HSK100A-HY14-150	14	34	50	150	105.5	42	M12x1
HSK100A-HY16-150	16	38	50	150	105.5	42	M12x1
HSK100A-HY18-150	18	40	50	150	105.5	42	M12x1
HSK100A-HY20-150	20	42	60	150	99	44	M16x1
HSK100A-HY25-150	25	57	70	150	100	50	M16x1
HSK100A-HY32-150	32	64	70	150	102	54	M16x1
HSK100A-HY06-200	6	26	50	200	103.5	30	M5
HSK100A-HY08-200	8	28	50	200	104	30	M6
HSK100A-HY10-200	10	30	50	200	104.5	34	M8x1
HSK100A-HY12-200	12	32	50	200	104.5	39	M10x1
HSK100A-HY14-200	14	34	50	200	105.5	42	M12x1
HSK100A-HY16-200	16	38	50	200	105.5	42	M12x1
HSK100A-HY18-200	18	40	50	200	105.5	42	M12x1
HSK100A-HY20-200	20	42	60	200	149	44	M16x1
HSK100A-HY25-200	25	57	62	200	152	50	M16x1
HSK100A-HY32-200	32	64	70	200	152	54	M16x1

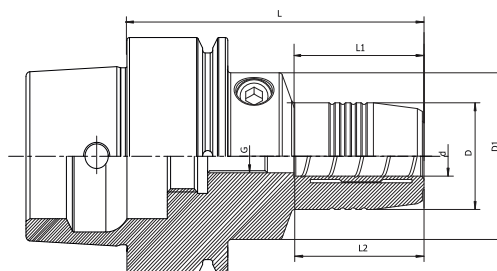
Hydraulic Chuck, Standard

液压刀柄, 标准型

HYDRO



A ↗	RPM	
≤0.003	G2.5/25000	AD



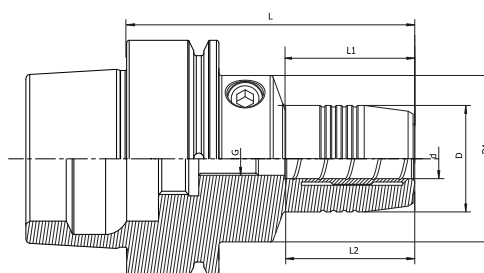
Size	d	D	D1	L	L1	L2	G
HSK40E-HY06-70	6	26	34	70	36	27	M5
HSK40E-HY08-70	8	28	34	70	36	27	M6
HSK40E-HY10-75	10	30	34	75	42	32	M6
HSK40E-HY12-80	12	32	34	80	48	37	M6
HSK50E-HY06-70	6	26	40	70	28	27	M5
HSK50E-HY08-70	8	28	40	70	28	27	M6
HSK50E-HY10-75	10	30	40	75	34	32	M8x1
HSK50E-HY12-85	12	32	40	85	44	37	M10x1
HSK50E-HY16-90	16	38	53	90	30	42	M12x1
HSK50E-HY20-90	20	42	60	90	29	42	M16x1

Hydraulic Chuck, Standard

液压刀柄, 标准型



A ↗	RPM	
≤0.003	G2.5	AD

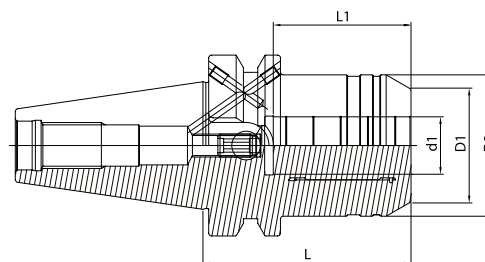


Size	d	D	D1	L	L1	L2	G
HSK63F-HY06-70	6	26	50	70	23	30	M5
HSK63F-HY08-70	8	28	50	70	23.5	30	M6
HSK63F-HY10-80	10	30	50	80	34	34	M8x1
HSK63F-HY12-85	12	32	50	85	39	39	M6
HSK63F-HY14-85	14	34	50	85	40	37	M10x1
HSK63F-HY16-90	16	38	50	90	45	42	M12x1
HSK63F-HY18-90	18	40	50	90	47	42	M12x1
HSK63F-HY20-90	20	42	50	90	46	44	M12x1
HSK63F-HY25-120	25	57	63	120	59	48	M16x1
HSK63F-HY32-125	32	64	75	125	63	55	M16x1

Hydraulic Chuck, Power Design

液压刀柄, 强力型

A ↗ ≤0.003	RPM G2.5/25000	 AD
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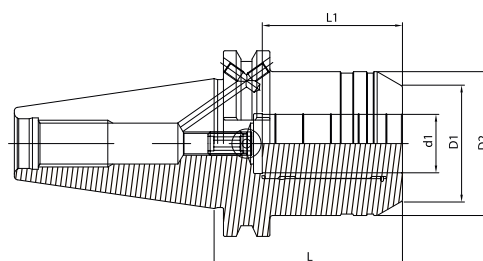
Size	d1	D1	D2	L	L1	G
BT30-HYP12-69	12	32	42	69	41	M8x1
BT30-HYP20-90	20	38	42	90	48	M8x1
BT40-HYP12-58	12	32	42	58	41	M8x1
BT40-HYP20-72.5	20	38	49.25	72.5	48	M8x1
BT50-HYP20-83.5	20	38	49.25	83.5	48	M8x1
BT50-HYP32-90	32	58.5	72	90	57	M8x1

Tool Holder DIN 69871

Hydraulic Chuck, Power Design

液压刀柄, 强力型

A ↗ ≤0.003	RPM G2.5/25000	 AD
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Size	d1	D1	D2	L	L1	G
SK40-HYP12-50	12	32	42	50	41	M8x1
SK40-HYP20-64.5	20	38	49.5	64.5	48	M8x1
SK50-HYP20-64.5	20	38	49.5	64.5	48	M8x1
SK50-HYP32-81	32	58.5	72	81	57	M8x1

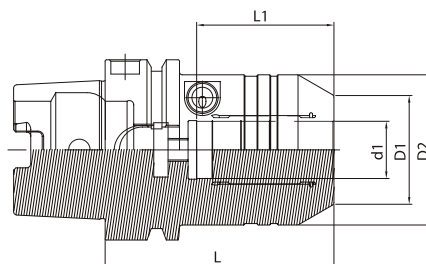
Hydraulic Chuck, Power Design

液压刀柄, 强力型

A ↗
≤0.003

RPM
G2.5/25000

AD



Size	d1	D1	D2	L	L1	G
HSK63A-HYP12-80	12	32	42	80	41	M8x1
HSK63A-HYP20-80	20	38	52.5	80	48	M8x1
HSK100A-HYP20-90	20	38	52.5	90	48	M8x1
HSK100A-HYP32-100	32	58.5	72	100	57	M8x1



Bright-tools

BRIGHT-TOOLS

TOOL HOLDER JIS B 6339

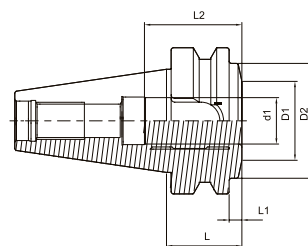
HYDRO

Hydraulic Chuck, Short

液压刀柄, 超短型



A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	d1	D1	D2	L	L1	L2	G
BT40-HY20-32.5	20	34	49.5	32.5	5.5	42	-

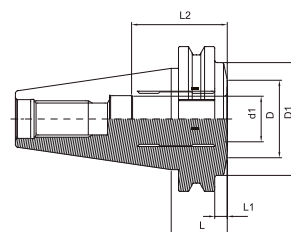
Tool Holder DIN 69871

Hydraulic Chuck, Short

液压刀柄, 超短型



A ↗	RPM	
≤0.003	G2.5/25000	AD

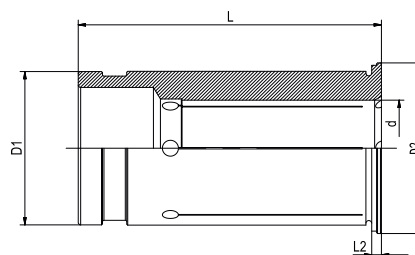


Size	d1	D1	D2	L	L1	L2	G
SK40-HY20-24.6	20	34	49.5	24.6	5.5	42	-
SK50-HY32-30.9	32	44.5	70.5	30.9	11.85	55	-

Hydraulic Collet

液压筒夹

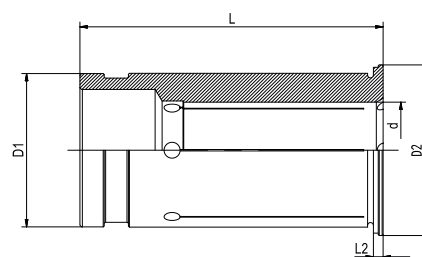
A ↗
≤0.003



Size	d	D1	D2	L	L2
HY12S-03	3	12	16.5	47	2
HY12S-04	4	12	16.5	47	2
HY12S-05	5	12	16.5	47	2
HY12S-06	6	12	16.5	47	2
HY12S-07	7	12	16.5	47	2
HY12S-08	8	12	16.5	47	2
HY20S-03	3	20	24	52.5	2
HY20S-04	4	20	24	52.5	2
HY20S-05	5	20	24	52.5	2
HY20S-06	6	20	24	52.5	2
HY20S-07	7	20	24	52.5	2
HY20S-08	8	20	24	52.5	2
HY20S-09	9	20	24	52.5	2
HY20S-10	10	20	24	52.5	2
HY20S-11	11	20	24	52.5	2
HY20S-12	12	20	24	52.5	2
HY20S-13	13	20	24	52.5	2
HY20S-14	14	20	24	52.5	2
HY20S-15	15	20	24	52.5	2
HY20S-16	16	20	24	52.5	2

Hydraulic Collet

液压筒夹



HYDRO

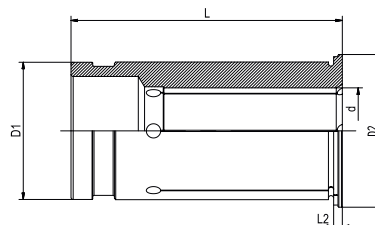
Size	d	D1	D2	L	L2
HY32S-06	6	32	35.5	62.5	2
HY32S-07	7	32	35.5	62.5	2
HY32S-08	8	32	35.5	62.5	2
HY32S-09	9	32	35.5	62.5	2
HY32S-10	10	32	35.5	62.5	2
HY32S-11	11	32	35.5	62.5	2
HY32S-12	12	32	35.5	62.5	2
HY32S-13	13	32	35.5	62.5	2
HY32S-14	14	32	35.5	62.5	2
HY32S-15	15	32	35.5	62.5	2
HY32S-16	16	32	35.5	62.5	2
HY32S-17	17	32	35.5	62.5	2
HY32S-18	18	32	35.5	62.5	2
HY32S-19	19	32	35.5	62.5	2
HY32S-20	20	32	35.5	62.5	2
HY32S-21	21	32	35.5	62.5	2
HY32S-22	22	32	35.5	62.5	2
HY32S-23	23	32	35.5	62.5	2
HY32S-24	24	32	35.5	62.5	2
HY32S-25	25	32	35.5	62.5	2

Hydraulic Collet with Coolant Channels

液压筒夹，端面出水型

A ↗
≤0.003

HYDRO

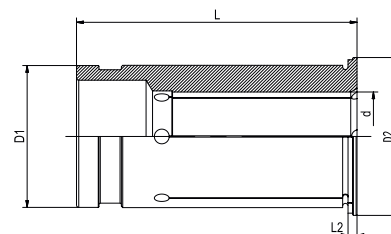


Size	d	D1	D2	L	L2
HY12S-03K	3	12	16.5	47	2
HY12S-04K	4	12	16.5	47	2
HY12S-05K	5	12	16.5	47	2
HY12S-06K	6	12	16.5	47	2
HY12S-07K	7	12	16.5	47	2
HY12S-08K	8	12	16.5	47	2
HY20S-03K	3	20	24	52.5	2
HY20S-04K	4	20	24	52.5	2
HY20S-05K	5	20	24	52.5	2
HY20S-06K	6	20	24	52.5	2
HY20S-07K	7	20	24	52.5	2
HY20S-08K	8	20	24	52.5	2
HY20S-09K	9	20	24	52.5	2
HY20S-10K	10	20	24	52.5	2
HY20S-11K	11	20	24	52.5	2
HY20S-12K	12	20	24	52.5	2
HY20S-13K	13	20	24	52.5	2
HY20S-14K	14	20	24	52.5	2
HY20S-15K	15	20	24	52.5	2
HY20S-16K	16	20	24	52.5	2

Hydraulic Collet with Coolant Channels

液压筒夹，端面出水型

A ↗
≤0.003



HYDRO

Size	d	D1	D2	L	L2
HY32S-06K	6	32	35.5	62.5	2
HY32S-07K	7	32	35.5	62.5	2
HY32S-08K	8	32	35.5	62.5	2
HY32S-09K	9	32	35.5	62.5	2
HY32S-10K	10	32	35.5	62.5	2
HY32S-11K	11	32	35.5	62.5	2
HY32S-12K	12	32	35.5	62.5	2
HY32S-13K	13	32	35.5	62.5	2
HY32S-14K	14	32	35.5	62.5	2
HY32S-15K	15	32	35.5	62.5	2
HY32S-16K	16	32	35.5	62.5	2
HY32S-17K	17	32	35.5	62.5	2
HY32S-18K	18	32	35.5	62.5	2
HY32S-19K	19	32	35.5	62.5	2
HY32S-20K	20	32	35.5	62.5	2
HY32S-21K	21	32	35.5	62.5	2
HY32S-22K	22	32	35.5	62.5	2
HY32S-23K	23	32	35.5	62.5	2
HY32S-24K	24	32	35.5	62.5	2
HY32S-25K	25	32	35.5	62.5	2



Bright-tools

BRIGHT-TOOLS

Hydraulic Collet Set

液压刀柄套装

HYDRO



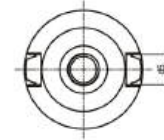
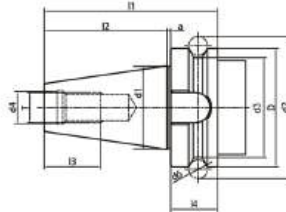
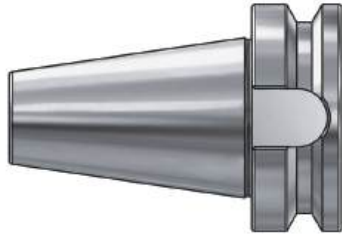
Size	Hydraulic chuck	Hydraulic Collet	Collet Quantity	key Size
BT40-HY20-5 PCS	BT40-HY20-90	HY20-6.8.10.12.16	5pcs	5L
SK40-HY20-5 PCS	SK40-HY20-80.5	HY20-6.8.10.12.16	5pcs	5L
HSK63A-HY20-5 PCS	HSK63A-HY20-90	HY20-6.8.10.12.16	5pcs	5L

BT

TOOL HOLDERS

BT Taper Standard

BT 锥柄标准



Size	D	d1	d2	d3	d4	d5	d6	l1	l2	l3	l4	a	T
BT30	46	31.75	56.144	38	12.5	16.1	8	70.4	48.4	24	20	2	M12*1.75
BT40	63	44.45	75.679	53	17	16.1	10	92.4	65.4	30	25	2	M16*2.0
BT50	100	69.85	119.019	85	25	25.7	15	139.8	101.8	45	35	3	M24*3.0

Taper standard: JIS B 6339

Material: Alloyed case hardened steel

Surface Treatment: Blackening and Bright

Taper tolerance: <AT3

Hardness: HRC 56-60

Carbon depth: 0.8±0.2mm

Surface Roughness: Ra<0.2μm

Balancing: G6.3/15000; G2.5/25000

Cooling: AD; AD/B can be made by request.

BT & BBT TOOLING SYSTEM

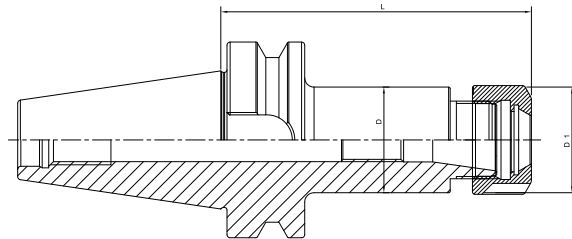
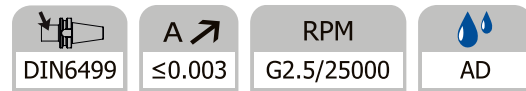
BT 工具系统

ER Collet Chuck.....	C.04
ER 弹簧夹头刀柄.....	C.04
GER Collet Chuck	C.09
GER 弹簧夹头刀柄.....	C.09
Power Milling Chuck	C.10
强力铣刀柄	C.10
OZ Collet C huck.....	C.11
OZ 夹头刀柄.....	C.11
SKS Collet Chuck.....	C.12
SKS 高速筒夹刀柄.....	C.12
TG Collet Chuck	C.13
TG 超强力刀柄	C.13
Pull Back Collet Chuck	C.14
DC 后拉刀柄.....	C.14
Face Mill Holder.....	C.15
面铣刀柄.....	C.15
Combi Shell Mill Holder.....	C.19
混合插入式铣刀柄.....	C.19
End Mill Holder.....	C.20
侧固刀柄.....	C.20
Morse Taper Adapter.....	C.25
带扁尾莫氏刀柄.....	C.25
Morse Taper Adapter.....	C.25
带螺纹孔莫氏刀柄	C.25
Tool Holder Adatper Sleeve	C.26
转换刀柄.....	C.26
Drill Chuck Adapter.....	C.27
钻接杆	C.27
APU Drill Chuck Holder	C.27
APU 钻夹头刀柄.....	C.27
Precision Drill Chuck Holder.....	C.28
精密钻夹头刀柄	C.28
Quick Change Tapping Chuck.....	C.28
弹性快换攻丝刀柄	C.28
Screw-in Milling Cutter Holder.....	C.29
SOM 锁牙刀柄.....	C.29
Runout Adjustable Flange Adapter	C.31
可调节精度法兰刀柄	C.31
UM Adjustable.....	C.32
UM调零刀柄	C.32
Boring Bar Blank.....	C.33
基础柄	C.33
Test Arbor.....	C.33
主轴检测棒.....	C.33
Alignment Tool for ATC Arm	C.34
调整机械手用组合模具.....	C.34



ER Collet Chuck with UM Nut

ER 弹簧夹头刀柄



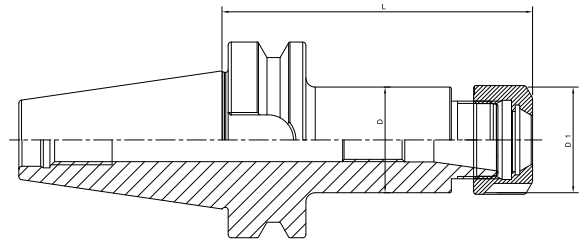
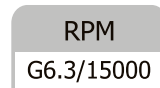
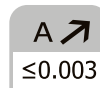
Size	D	D1	L	Capacity
BT30-ER16UM-70	28	32	70	1-10
BT30-ER20UM-70	34	35	70	1-13
BT30-ER25-70	42	42	70	2-16
BT30-ER32-70	40	50	70	2-20
BT30-ER40-70	50	63	70	3-26
BT30-ER16UM-100	28	32	100	1-10
BT30-ER20UM-100	34	35	100	1-13
BT30-ER25-100	42	42	100	2-16
BT30-ER32-100	40	50	100	2-20
BT40-ER16UM-70	28	32	70	1-10
BT40-ER20UM-70	34	35	70	1-13
BT40-ER25-70	42	42	70	2-16
BT40-ER32-70	50	50	70	2-20
BT40-ER40-80	50	63	80	3-26
BT40-ER16UM-100	28	32	100	1-10
BT40-ER20UM-100	34	35	100	1-13
BT40-ER25-100	42	42	100	2-16
BT40-ER32-100	50	50	100	2-20
BT40-ER40-100	50	63	100	3-26
BT40-ER16UM-160	28	32	160	1-10
BT40-ER20UM-160	34	35	160	1-13
BT40-ER25-160	42	42	160	2-16
BT40-ER32-160	50	50	160	2-20
BT40-ER40-160	50	63	160	3-26

AD/B Customized

AD/B 可定制

ER Collet Chuck with UM Nut

ER 弹簧夹头刀柄



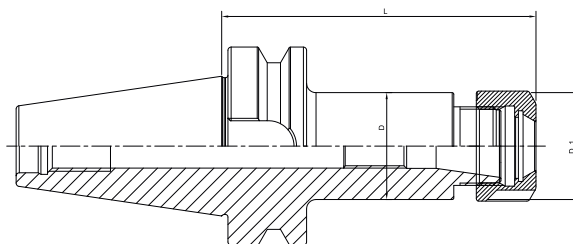
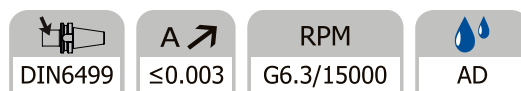
Size	D	D1	L	Capacity
BT40-ER16UM-200	28	32	200	1-10
BT40-ER20UM-200	34	35	200	1-13
BT40-ER25-200	42	42	200	2-16
BT40-ER32-200	50	50	200	2-20
BT40-ER40-200	50	63	200	3-26

AD/B Customized

AD/B 可定制

ER Collet Chuck with UM Nut

ER 弹簧夹头刀柄



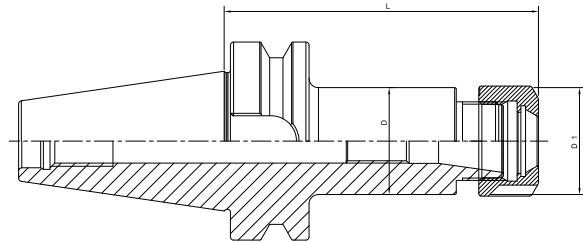
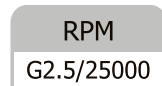
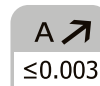
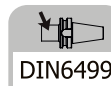
Size	D	D1	L	Capacity
BT50-ER16UM-70	28	32	70	1-10
BT50-ER20UM-70	34	35	70	1-13
BT50-ER25-70	42	42	70	2-16
BT50-ER32-70	40	50	70	2-20
BT50-ER40-80	63	63	80	3-26
BT50-ER50-100	64	78	100	6-34
BT50-ER16UM-100	28	32	100	1-10
BT50-ER20UM-100	34	35	100	1-13
BT50-ER25-100	42	42	100	2-16
BT50-ER32-100	50	50	100	2-20
BT50-ER40-100	63	63	100	3-26
BT50-ER16UM-160	28	32	160	1-10
BT50-ER20UM-160	34	35	160	1-13
BT50-ER25-160	42	42	160	2-16
BT50-ER32-160	50	50	160	2-20
BT50-ER40-160	63	63	160	3-26
BT50-ER16UM-200	28	32	200	1-10
BT50-ER20UM-200	34	35	200	1-13
BT50-ER25-200	42	42	200	2-16
BT50-ER32-200	50	50	200	2-20
BT50-ER40-200	63	63	200	3-26
BT50-ER25-250	42	42	250	2-16
BT50-ER32-250	50	50	250	2-20
BT50-ER40-250	63	63	250	3-26
BT50-ER25-300	42	42	300	2-16
BT50-ER32-300	50	50	300	2-20
BT50-ER40-300	63	63	300	3-26

AD/B Customized

AD/B 可定制

ER Collet Chuck with Hex Nut

ER 弹簧夹头刀柄



Size	D	D1	L	Capacity
BT30-ER16-70	28	28	70	1-10
BT30-ER20-70	34	34	70	1-13
BT30-ER16-100	28	28	100	1-10
BT30-ER20-100	34	34	100	1-13
BT40-ER16-70	28	28	70	1-10
BT40-ER20-70	34	34	70	1-13
BT40-ER16-100	28	28	100	1-10
BT40-ER20-100	34	34	100	1-13
BT40-ER16-160	28	28	160	1-10
BT40-ER20-160	34	34	160	1-13

RPM
G6.3/15000

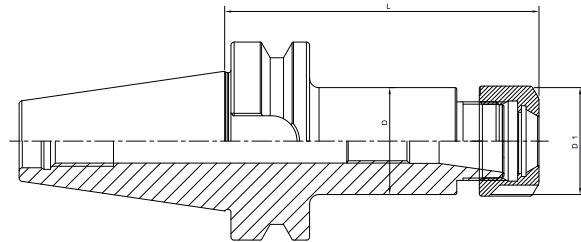
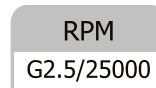
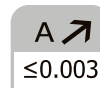
Size	D	D1	L	Capacity
BT40-ER16-200T	28	28	200	1-10
BT40-ER20-200	34	34	200	1-13
BT50-ER16-70	28	28	70	1-10
BT50-ER20-70	34	34	70	1-13
BT50-ER16-100	28	28	100	1-10
BT50-ER20-100	34	34	100	1-13
BT50-ER16-160	28	28	160	1-10
BT50-ER20-160	34	34	160	1-13
BT50-ER16-200T	28	28	200	1-10
BT50-ER20-200	34	34	200	1-13

AD/B Customized
T refers to cutter side with taper design

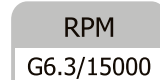
AD/B 可定制
T 代表刀具端锥柄设计

ER Collet Chuck with Mini Nut

ER 弹簧夹头刀柄



Size	D	D1	L	Capacity
BT30-ER11M-70	16	16	70	1-7
BT30-ER16M-70	22	22	70	1-10
BT40-ER11M-70	16	16	70	1-7
BT40-ER16M-70	22	22	70	1-10
BT40-ER20M-70	28	28	70	1-13
BT40-ER25M-70	35	35	70	2-16
BT40-ER11M-100	16	16	100	1-7
BT40-ER16M-100	22	22	100	1-10
BT40-ER20M-100	28	28	100	1-13
BT40-ER25M-100	35	35	100	2-16
BT40-ER11M-160T	16	16	160	1-7
BT40-ER16M-160T	22	22	160	1-10
BT40-ER20M-160	28	28	160	1-13
BT40-ER25M-160	35	35	160	2-16



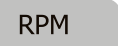
Size	D	D1	L	Capacity
BT50-ER16M-100	22	22	100	1-10
BT50-ER20M-100	28	28	100	1-13
BT50-ER25M-100	35	35	100	2-16
BT50-ER16M-160T	22	22	160	1-10
BT50-ER20M-160	28	28	160	1-13
BT50-ER25M-160	35	35	160	2-16

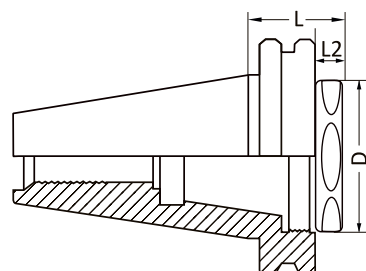
AD/B Customized
T refers to cutter side with taper design

AD/B 可定制
T 代表刀具端锥柄设计

ER Collet Chuck, Shrot ER 弹簧夹头刀柄, 超短型



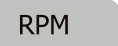
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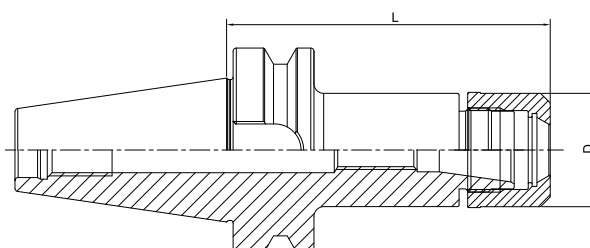


Size	D	L	L1
BT40-ER25-36	29.5	36	9
BT40-ER32-36	37.5	36	9

ER Collet Chuck with GER Nut ER 弹簧夹头刀柄



 DIN6499	 A ↗ ≤0.003	 RPM G2.5/25000	 AD
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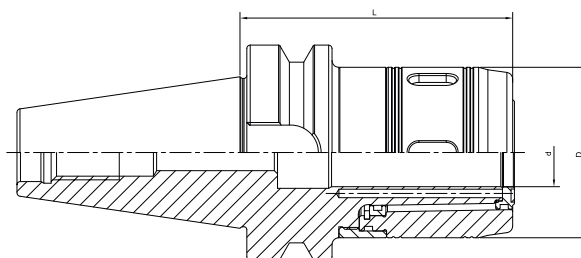
Size	D1	L	Capacity
BT30-GER16-70	30	70	1-10
BT30-GER20-70	35	70	1-13
BT30-GER25-70	40	70	2-16
BT30-GER32-70	48	70	2-20
BT40-GER16-70	30	70	1-10
BT40-GER20-70	35	70	1-13
BT40-GER25-70	40	70	2-16
BT40-GER32-70	48	70	2-20
BT40-GER16-100	30	100	1-10
BT40-GER20-100	35	100	1-13
BT40-GER25-100	40	100	2-16
BT40-GER32-100	48	100	2-20
BT50-GER16-100	30	100	1-10
BT50-GER20-100	35	100	1-13
BT50-GER25-100	40	100	2-16
BT50-GER32-100	48	100	2-20

Power Milling Chuck

强力铣刀柄

A ↗
≤0.008

AD

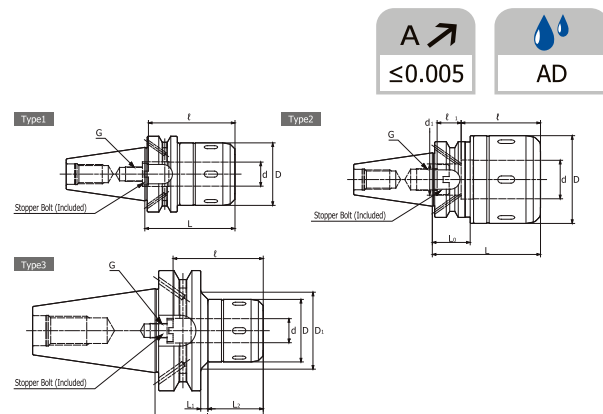


Size	d	D	L	Capacity
BT30-HC20-80	20	50	80	3-16; 20
BT30-HC25-90	25	59	90	3-20; 25
BT30-HC32-110	32	72	110	3-25; 32
BT40-HC20-90	20	50	90	3-16; 20
BT40-HC25-100	25	59	100	3-20; 25
BT40-HC32-90	32	72	90	3-25; 32
BT40-HC32-105	32	72	105	3-25; 32
BT40-HC32-165	32	72	165	3-25; 32
BT40-HC42-130	42	99	130	3-32; 42
BT50-HC20-105	20	50	105	3-16; 20
BT50-HC25-105	25	59	105	3-20; 25
BT50-HC32-110	32	72	110	3-25; 32
BT50-HC42-110	42	99	110	3-32; 42
BT50-HC32-165	32	72	165	3-25; 32
BT50-HC32-200	32	72	200	3-25; 32
BT50-HC32-250	32	72	250	3-25; 32
BT50-HC32-300	32	72	300	3-25; 32

BT

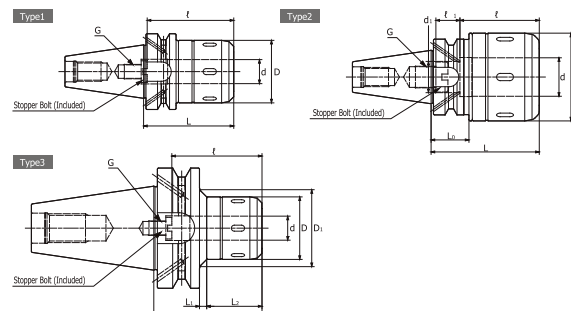
Power Milling Chuck

强力铣刀柄



Size	Type	d	D	D1	L	L1	L2	ℓ	ℓ_1	ℓ_2	d_1	L_0	G
BT30-CT16SA-90	1	16	45	-	90	-	-	65	-	15	-	-	M10
BT30-CT20SA-90	2	20	52	-	90	-	-	80	-	15	-	40	M12
BT30-CT25SA-90	2	25	61	-	90	-	-	80	-	15	-	31	M12
BT30-CT32SA-90	2	32	68	-	90	-	-	68	-	20	-	30	M18
BT40-CT16SA-90	1	16	45	-	90	-	-	65	-	15	-	-	M10
BT40-CT20SA-90	1	20	52	-	90	-	-	80	-	15	-	-	M12
BT40-CT25SA-90	1	25	61	-	90	-	-	80	-	15	-	-	M12
BT40-CT25SA-105	1	25	61	-	105	-	-	80	-	15	-	-	M12
BT40-CT32SA-90	2	32	73	-	90	-	-	76	32	17	26	31	M18
BT40-CT32SA-105	2	32	73	-	105	-	-	85	23	17	26	44	M18
BT40-CT32SA-135	2	32	73	-	135	-	-	120		17	-	74	M18

Power Milling Chuck 强力铣刀柄



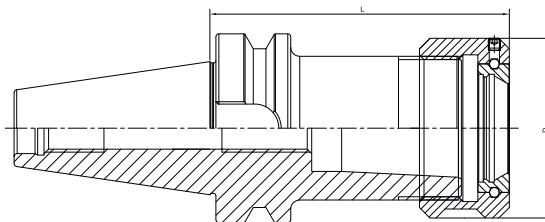
Size	Type	d	D	D1	L	L1	L2	ℓ	ℓ1	ℓ2	d1	L0	G
BT50-CT16SA-90	3	16	45	58	90	7	45	65	-	20	-	-	M10
BT50-CT20SA-90	3	20	52	65	90	7	45	80	-	15	-	-	M12
BT50-CT20SA-105	3	20	52	70	105	9	58	80	-	15	-	-	M12
BT50-CT20SA-135	3	20	52	73	135	39	58	80	-	15	-	-	M12
BT50-CT20SA-165	3	20	52	73	165	69	58	80	-	15	-	-	M12
BT50-CT25SA-105	3	25	61	82	105	11	56	80	-	15	-	-	M12
BT50-CT25SA-135	3	25	61	83	135	41	56	80	-	15	-	-	M12
BT50-CT25SA-165	3	25	61	86	165	71	56	80	-	15	-	-	M12
BT50-CT32SA-110	1	32	73	-	110	-	-	120	-	20	-	-	M18
BT50-CT32SA-135	3	32	73	88	135	41	56	120	-	20	-	-	M18
BT50-CT32SA-165	3	32	73	86	165	71	56	120	-	20	-	-	M18
BT50-CT32SA-200	3	32	73	88	200	106	56	120	-	20	-	-	M18
BT50-CT32SA-250	3	32	73	88	250	156	56	120	-	20	-	-	M18
BT50-CT32SA-300	3	32	73	88	300	206	56	120	-	20	-	-	M18
BT50-CT32SA-350	3	32	73	88	350	256	56	120	-	20	-	-	M18
BT50-CT32SA-400	3	32	73	88	400	306	56	120	-	20	-	-	M18
BT50-CT32SA-450	3	32	73	88	450	356	56	120	-	20	-	-	M18
BT50-CT42SA-105	1	42	88	-	105	-	-	120	-	20	-	-	M18
BT50-CT42SA-135	1	42	88	-	135	-	-	120	-	20	-	-	M18
BT50-CT42SA-165	1	42	88	-	165	-	-	120	-	20	-	-	M18
BT50-CT42SA-200	1	42	88	-	200	-	-	120	-	20	-	-	M18
BT50-CT42SA-250	1	42	88	-	250	-	-	120	-	20	-	-	M18
BT50-CT42SA-300	1	42	88	-	300	-	-	120	-	20	-	-	M18

OZ Collet Chuck

OZ 夹头刀柄



 DIN6391	 A ↗ ≤0.005	 RPM G6.3/15000	 AD
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BT

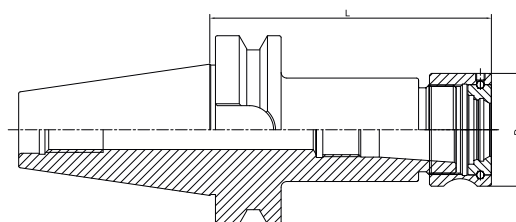
Size	D	L	Capacity
BT30-OZ16-70	43	70	3-16
BT30-OZ25-80	60	80	3-25
BT40-OZ16-70	43	70	3-16
BT40-OZ25-70	60	70	3-25
BT40-OZ32-80	72	80	6-32
BT50-OZ25-85	60	85	3-25
BT50-OZ32-90	72	90	6-32

TG Collet Chuck

TG 超强力刀柄



 A ↗ ≤0.005	 RPM G2.5/25000	 AD
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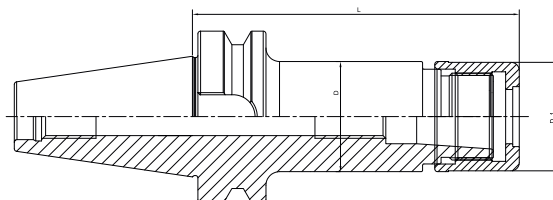


Size	D	L	Collet	Capacity
BT40-TG75-70	50	70	TG 75	2-20
BT40-TG100-80	60	80	TG 100	3-25
BT40-TG100-100	60	100	TG 100	3-25
BT40-TG100-150	60	150	TG 100	3-25
BT50-TG100-90	60	90	TG 100	3-25
BT50-TG100-150	60	150	TG 100	3-25

High Speed SKS Collet Chuck

SKS 高速筒夹刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD



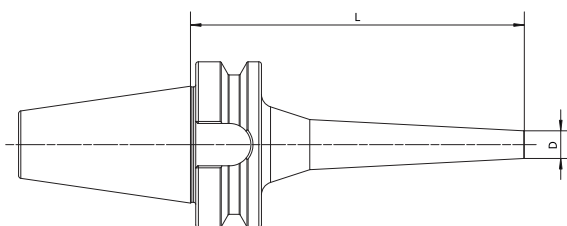
Size	D	D1	L	Capacity	M
BT30-SKS10-60	27.5	27.1	60	2-10	M21.5*1
BT30-SKS16-60	40.6	40	60	3-16	M32*1.5
BT30-SKS10-90	27.5	27.1	90	2-10	M21.5*1
BT30-SKS16-90	40.6	40	90	3-16	M32*1.5
BT40-SKS10-60	27.5	27.1	60	2-10	M21.5*1
BT40-SKS16-70	40.6	40	70	3-16	M32*1.5
BT40-SKS10-90	27.5	27.1	90	2-10	M21.5*1
BT40-SKS16-90	40.6	40	90	3-16	M32*1.5
BT40-SKS20-90	48.5	48	90	2-20	M40*1
BT40-SKS25-90	55.6	55	90	6-25	M45*1.5
BT40-SKS10-120	27.5	27.1	120	2-10	M21.5*1
BT40-SKS16-120	40.6	40	120	3-16	M32*1.5
BT40-SKS20-120	48.5	48	120	2-20	M40*1
BT40-SKS25-120	55.6	55	120	6-25	M45*1.5
BT50-SK10-100	27.5	27.1	100	2-10	M21.5*1
BT50-SK16-100	40.6	40	100	3-16	M32*1.5
BT50-SKS10-120	27.5	27.1	120	2-10	M21.5*1
BT50-SKS16-120	40.6	40	120	3-16	M32*1.5
BT50-SKS10-165	27.5	27.1	165	2-10	M21.5*1
BT50-SKS16-165	40.6	40	165	3-16	M32*1.5

Pull Back Collet Chuck

DC 后拉刀柄



A ↗	RPM	AD
≤0.003	G2.5/25000	



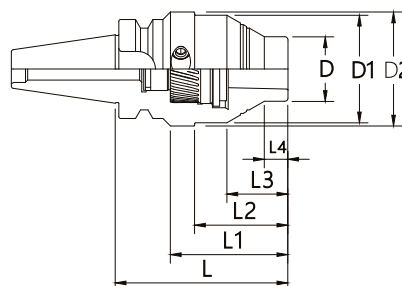
BT

Size	L	D	Capacity
BT30-DC06-60	60	14	1-6
BT30-DC06-90	90	14	1-6
BT30-DC06-120	120	14	1-6
BT30-DC08-60	60	22	1-10
BT30-DC08-90	90	22	1-10
BT30-DC08-120	120	22	1-10
BT30-DC12-80	80	34	1-12
BT40-DC06-60	60	14	1-6
BT40-DC06-90	90	14	1-6
BT40-DC06-120	120	14	1-6
BT40-DC06-150	150	14	1-6
BT40-DC08-60	60	22	1-10
BT40-DC08-90	90	22	1-10
BT40-DC08-120	120	22	1-10
BT40-DC08-150	150	22	1-10
BT40-DC08-200	200	22	1-10
BT40-DC12-90	90	34	1-12
BT40-DC12-120	120	34	1-12
BT40-DC12-150	150	34	1-12
BT40-DC12-200	200	34	1-12
BT50-DC06-120	120	14	1-6
BT50-DC06-150	150	14	1-6
BT50-DC08-120	120	22	1-10
BT50-DC08-150	150	22	1-10
BT50-DC08-200	200	22	1-10
BT50-DC12-120	120	34	1-12
BT50-DC12-150	150	34	1-12
BT50-DC12-200	200	34	1-12

Precision Screw Collet Chuck

NDC 后拉刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD

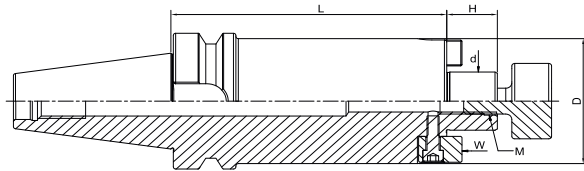


Size	D	D1	D2	D3	L	L1	L2	L3	L4	Capacity
BT30-NDC14-80	30	50	53	-	80	56	43	26	11	4-14
BT30-NDC14-130	24	30	53	-	130	105	78	60	-	4-14
BT30-NDC20-80	40	53	-	-	80	56	28	19	-	4-20
BT40-NDC20-70	40	63	-	-	70	38	18	-	-	4-20
BT40-NDC20-120	40	63	-	-	120	89	68	-	-	4-20
BT40-NDC14-70	30	50	-	-	70	43	28	11	-	4-14
BT40-NDC14-120	24	30	53	-	120	93	78	61	-	4-14
BT40-NDC32-110	53	63	-	-	110	14	-	-	-	12-32
BT50-NDC20-130	34	55	70	-	130	93	81	73	24	4-20
BT50-NDC32-145	60	70	-	-	145	108	14	-	-	12-32

Face Mill Holder Inch

英制面铣刀柄

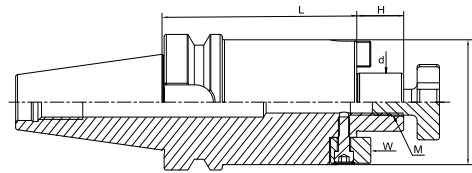
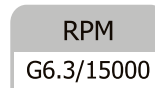
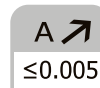
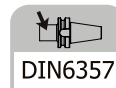
A ↗	RPM	AD
≤0.005	G6.3/15000	



Size	d	L	D	H	M
BT40-FMA3/4"-40	3/4"	40	42.926	17.45	3/8-24
BT40-FMA1"-40	1"	40	55.626	17.45	1/2-20
BT40-FMA1-1/4"-50	1-1/4"	50	69.85	17.45	5/8-18
BT40-FMA1-1/2"-50	1-1/2"	50	78	23.83	3/4-16
BT40-FMA3/4"-100	3/4"	100	42.926	17.45	3/8-24
BT40-FMA1"-100	1"	100	55.626	17.45	1/2-20
BT40-FMA1-1/4"-100	1-1/4"	100	69.85	17.45	5/8-18
BT40-FMA1-1/2"-100	1-1/2"	100	78	23.83	3/4-16
BT40-FMA3/4"-150	3/4"	150	42.926	17.45	3/8-24
BT40-FMA1"-150	1"	150	55.626	17.45	1/2-20
BT40-FMA1-1/4"-150	1-1/4"	150	69.85	17.45	5/8-18
BT40-FMA1-1/2"-150	1-1/2"	150	78	23.83	3/4-16
BT50-FMA3/4"-40	3/4"	40	42.926	17.45	3/8-24
BT50-FMA1"-40	1"	40	55.626	17.45	1/2-20
BT50-FMA1-1/4"-50	1-1/4"	50	69.85	17.45	5/8-18
BT50-FMA1-1/2"-50	1-1/2"	50	78	23.83	3/4-16
BT50-FMA3/4"-100	3/4"	100	42.926	17.45	3/8-24
BT50-FMA1"-100	1"	100	55.626	17.45	1/2-20
BT50-FMA1-1/4"-100	1-1/4"	100	69.85	17.45	5/8-18
BT50-FMA1-1/2"-100	1-1/2"	100	78	23.83	3/4-16
BT50-FMA3/4"-150	3/4"	150	42.926	17.45	3/8-24
BT50-FMA1"-150	1"	150	55.626	17.45	1/2-20
BT50-FMA1-1/4"-150	1-1/4"	150	69.85	17.45	5/8-18
BT50-FMA1-1/2"-150	1-1/2"	150	78	23.83	3/4-16

Face Mill Holder

面铣刀柄

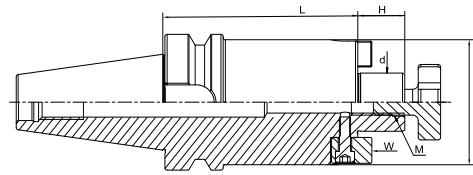
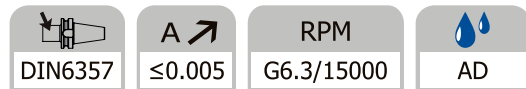


Size	d	L	D	H	M
BT30-FMB16-40	16	40	38	17	M8
BT30-FMB22-40	22	40	48	19	M10
BT30-FMB27-40	27	40	58	21	M12
BT30-FMB32-50	32	50	78	24	M16
BT40-FMB16-40	16	40	38	17	M8
BT40-FMB22-40	22	40	48	19	M10
BT40-FMB27-40	27	40	58	21	M12
BT40-FMB32-50	32	50	78	24	M16
BT40-FMB22-60	22	60	48	19	M10
BT40-FMB27-60	27	60	58	21	M12
BT40-FMB32-60	32	60	78	24	M16
BT40-FMB16-100	16	100	38	17	M8
BT40-FMB22-100	22	100	48	19	M10
BT40-FMB27-100	27	100	58	21	M12
BT40-FMB32-100	32	100	78	24	M16
BT40-FMB16-160	16	160	38	17	M8
BT40-FMB22-160	22	160	48	19	M10
BT40-FMB27-160	27	160	58	21	M12
BT40-FMB32-160	32	160	78	24	M16
BT40-FMB40-160	40	160	88	27	M20
BT40-FMB22-200	22	200	48	19	M10
BT40-FMB27-200	27	200	58	21	M12
BT40-FMB32-200	32	200	78	24	M16
BT40-FMB22-250	22	250	48	19	M10
BT40-FMB22-300	22	300	48	19	M10

Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国市场的铣刀柄标配圆头螺钉 (图 1)，其他国家标配十字花螺钉 (图 2)。

AD/B Customized
AD/B 可定制

Face Mill Holder 面铣刀柄



Size	d	L	D	H	M
BT50-FMB16-40	16	40	38	17	M8
BT50-FMB22-40	22	40	48	19	M10
BT50-FMB27-40	27	40	58	21	M12
BT50-FMB32-50	32	50	78	24	M16
BT50-FMB22-60	22	60	48	19	M10
BT50-FMB27-60	27	60	58	21	M12
BT50-FMB32-60	32	60	78	24	M16
BT50-FMB16-100	16	100	38	17	M8
BT50-FMB22-100	22	100	48	19	M10
BT50-FMB27-100	27	100	58	21	M12
BT50-FMB32-100	32	100	78	24	M16
BT50-FMB22-160	22	160	48	19	M10
BT50-FMB27-160	27	160	58	21	M12
BT50-FMB32-160	32	160	78	24	M16
BT50-FMB22-200	22	200	48	19	M10
BT50-FMB27-200	27	200	58	21	M12
BT50-FMB32-200	32	200	78	24	M16
BT50-FMB22-250	22	250	48	19	M10
BT50-FMB27-250	27	250	58	21	M12
BT50-FMB32-250	32	250	78	24	M16
BT50-FMB22-300	22	300	48	19	M10
BT50-FMB27-300	27	300	58	21	M12
BT50-FMB32-300	32	300	78	24	M16
BT50-FMB22-100(D=60)	22	100	60	19	M10
BT50-FMB22-150(D=60)	22	150	60	19	M10
BT50-FMB22-200(D=60)	22	200	60	19	M10
BT50-FMB22-250(D=60)	22	250	60	19	M10
BT50-FMB22-300(D=60)	22	300	60	19	M10

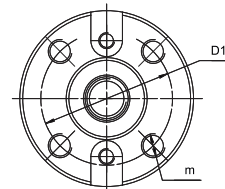
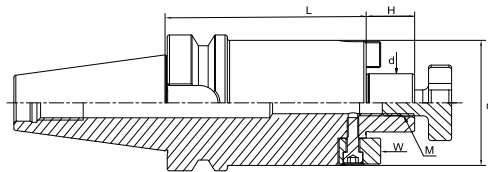
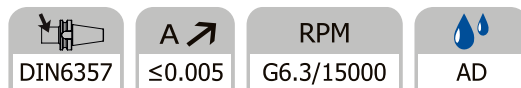
Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国面铣刀柄标配圆头螺钉 (图 1)，其他国家标配十字花螺钉 (图 2)。

AD/B Customized

AD/B 可定制

Face Mill Holder

面铣刀柄



Size	d	L	D	D1	H	M	m
BT40-FMB40-50	40	50	88	66.7	27	M20	M12
BT40-FMB40-60	40	60	88	66.7	27	M20	M12
BT40-FMB40-100	40	100	88	66.7	27	M20	M12
BT40-FMB40-200	40	200	88	66.7	27	M20	M12
BT50-FMB40-50	40	50	88	66.7	27	M20	M12
BT50-FMB40-60	40	60	88	66.7	27	M20	M12
BT50-FMB60-75	60	75	129	101.6	25	M30	M16
BT50-FMB40-100	40	100	88	66.7	27	M20	M12
BT50-FMB40-160	40	160	88	66.7	27	M20	M12
BT50-FMB40-200	40	200	88	66.7	27	M20	M12
BT50-FMB40-250	40	250	88	66.7	27	M20	M12
BT50-FMB40-300	40	300	88	66.7	27	M20	M12

FMB40 tool holder is with one retaining screw (image 2) . but it is with one universal screw (image 1) in China.

FMB40 刀柄中国市场面铣刀柄标配圆头螺钉 (图 1)，其他国家标配十字花螺钉 (图 2).

FMB60 tool holder with 4 cap screws only.

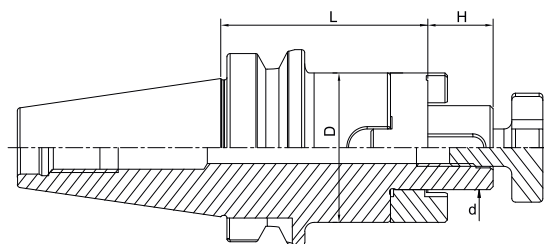
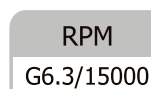
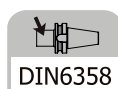
FMB60 刀柄标配 4 个内六角螺钉 .

AD/B Customized

AD/B 可定制

Combi Shell Mill Holder

混合插入式铣刀柄



Size	d	D	H	L
BT40-SEMC16-55	16	32	17	55
BT40-SEMC22-55	22	40	19	55
BT40-SEMC27-55	27	48	21	55
BT40-SEMC32-60	32	58	24	60
BT40-SEMC40-60	40	70	27	60
BT40-SEMC16-100	16	32	17	100
BT40-SEMC22-100	22	40	19	100
BT40-SEMC27-100	27	48	21	100
BT40-SEMC32-100	32	58	24	100
BT40-SEMC40-100	40	70	27	100
BT40-SEMC16-160	16	32	17	160
BT40-SEMC22-160	22	40	19	160
BT40-SEMC27-160	27	48	21	160
BT40-SEMC32-160	32	58	24	160
BT40-SEMC40-160	40	70	27	160
BT50-SEMC16-70	16	32	17	70
BT50-SEMC22-70	22	40	19	70
BT50-SEMC27-70	27	48	21	70
BT50-SEMC32-70	32	58	24	70
BT50-SEMC40-70	40	70	27	70
BT50-SEMC16-100	16	32	17	100
BT50-SEMC22-100	22	40	19	100
BT50-SEMC27-100	27	48	21	100
BT50-SEMC32-100	32	58	24	100
BT50-SEMC40-100	40	70	27	100
BT50-SEMC16-160	16	32	17	160
BT50-SEMC22-160	22	40	19	160
BT50-SEMC27-160	27	48	21	160
BT50-SEMC32-160	32	58	24	160
BT50-SEMC40-160	40	70	27	160



Bright-tools

BRIGHT-TOOLS

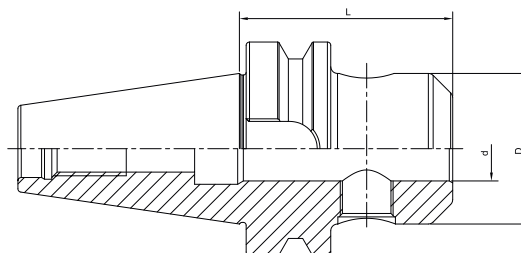
TOOL HOLDER JIS B 6339

End Mill Holder Weldon

侧固刀柄



			
DIN6359/1835B	≤0.005	G6.3/15000	AD



Size	d	D	L	M	Screw Quantity
BT30-SLA06-50	6	25	50	M6	1
BT30-SLA08-50	8	28	50	M8	1
BT30-SLA10-50	10	35	50	M10	1
BT30-SLA12-50	12	42	50	M12	1
BT30-SLA14-50	14	44	50	M12	1
BT30-SLA16-63	16	48	63	M14	1
BT30-SLA18-63	18	50	63	M14	1
BT30-SLA20-63	20	52	63	M16	1
BT30-SLA25-90	25	65	90	M18*2	2
BT40-SLA06-50	6	25	50	M6	1
BT40-SLA08-50	8	28	50	M8	1
BT40-SLA10-63	10	35	63	M10	1
BT40-SLA12-63	12	42	63	M12	1
BT40-SLA14-63	14	44	63	M12	1
BT40-SLA16-63	16	48	63	M14	1
BT40-SLA18-63	18	50	63	M14	1
BT40-SLA20-63	20	52	63	M16	1
BT40-SLA25-90	25	65	90	M18*2	2
BT40-SLA32-100	32	72	100	M20*2	2
BT40-SLA40-120	40	80	120	M20*2	2
BT40-SLA06-100	6	25	100	M6	1
BT40-SLA08-100	8	28	100	M8	1
BT40-SLA10-100	10	35	100	M10	1
BT40-SLA12-100	12	42	100	M12	1
BT40-SLA14-100	14	44	100	M12	1
BT40-SLA16-100	16	48	100	M14	1
BT40-SLA18-100	18	50	100	M14	1
BT40-SLA20-100	20	52	100	M16	1

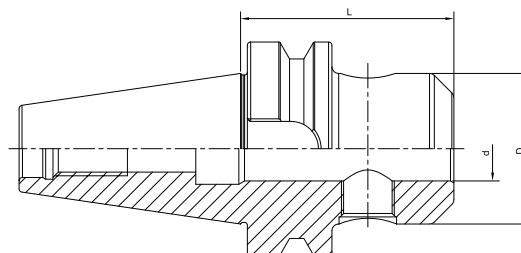
AD/B Customized

AD/B 可定制

End Mill Holder Weldon 侧固刀柄



			
DIN6359/1835B	≤0.005	RPM G6.3/15000	AD



Size	d	D	L	M	Screw Quantity
BT40-SLA06-160	6	25	160	M6	1
BT40-SLA08-160	8	28	160	M8	1
BT40-SLA10-160	10	35	160	M10	1
BT40-SLA12-160	12	42	160	M12	1
BT40-SLA14-160	14	44	160	M12	1
BT40-SLA16-160	16	48	160	M14	1
BT40-SLA18-160	18	50	160	M14	1
BT40-SLA20-160	20	52	160	M16	1
BT40-SLA25-160	25	65	160	M18*2	2
BT40-SLA32-160	32	72	160	M20*2	2
BT40-SLA40-160	40	80	160	M20*2	2
BT50-SLA06-63	6	25	63	M6	1
BT50-SLA08-63	8	28	63	M8	1
BT50-SLA10-63	10	35	63	M10	1
BT50-SLA12-80	12	42	80	M12	1
BT50-SLA14-80	14	44	80	M12	1
BT50-SLA16-80	16	48	80	M14	1
BT50-SLA18-80	18	50	80	M14	1
BT50-SLA20-80	20	52	80	M16	1
BT50-SLA25-100	25	65	100	M18*2	2
BT50-SLA32-105	32	72	105	M20*2	2
BT50-SLA40-110	40	80	110	M20*2	2
BT50-SLA50-125	50	98	125	M24*2	2
BT50-SLA06-160	6	25	160	M6	1
BT50-SLA08-160	8	28	160	M8	1
BT50-SLA10-160	10	35	160	M10	1
BT50-SLA12-160	12	42	160	M12	1
BT50-SLA14-160	14	44	160	M12	1
BT50-SLA16-160	16	48	160	M14	1
BT50-SLA18-160	18	50	160	M14	1
BT50-SLA20-160	20	52	160	M16	1
BT50-SLA25-160	25	65	160	M18*2	2
BT50-SLA32-160	32	72	160	M20*2	2
BT50-SLA40-160	40	80	160	M20*2	2



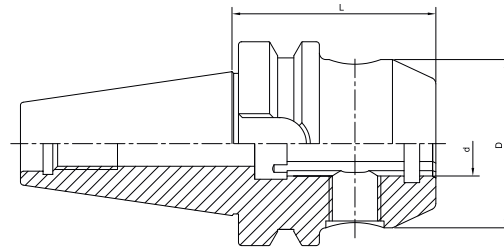
Bright-tools

BRIGHT-TOOLS

TOOL HOLDER JIS B 6339

End Mill Holder with Coolant Channels 侧固刀柄，端面出水型

 DIN6359/1835B	 A ≤ 0.005	 RPM G6.3/15000	 AD
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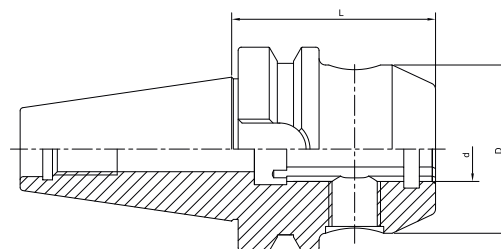
Size	d	D	L	M	Screw Quantity
BT40-SLA06-50K	6	25	50	M6	1
BT40-SLA08-50K	8	28	50	M8	1
BT40-SLA10-63K	10	35	63	M10	1
BT40-SLA12-63K	12	42	63	M12	1
BT40-SLA14-63K	14	44	63	M12	1
BT40-SLA16-63K	16	48	63	M14	1
BT40-SLA18-63K	18	50	63	M14	1
BT40-SLA20-63K	20	52	63	M16	1
BT40-SLA25-90K	25	65	90	M18*2	2
BT40-SLA32-100K	32	72	100	M20*2	2
BT40-SLA40-120K	40	80	120	M20*2	2
BT40-SLA06-100K	6	25	100	M6	1
BT40-SLA08-100K	8	28	100	M8	1
BT40-SLA10-100K	10	35	100	M10	1
BT40-SLA12-100K	12	42	100	M12	1
BT40-SLA14-100K	14	44	100	M12	1
BT40-SLA16-100K	16	48	100	M14	1
BT40-SLA18-100K	18	50	100	M14	1
BT40-SLA20-100K	20	52	100	M16	1

AD/B Customized

AD/B 可定制

End Mill Holder with Coolant Channels 侧固刀柄，端面出水型

 DIN6359/1835B	 A $\nearrow$ ≤ 0.005	 RPM G6.3/15000	 AD
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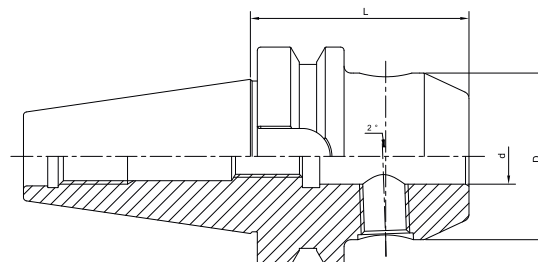
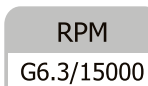
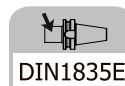
Size	d	D	L	M	Screw Quantity
BT50-SLA06-63K	6	25	63	M6	1
BT50-SLA08-63K	8	28	63	M8	1
BT50-SLA10-63K	10	35	63	M10	1
BT50-SLA12-80K	12	42	80	M12	1
BT50-SLA14-80K	14	44	80	M12	1
BT50-SLA16-80K	16	48	80	M14	1
BT50-SLA18-80K	18	50	80	M14	1
BT50-SLA20-80K	20	52	80	M16	1
BT50-SLA25-100K	25	65	100	M18*2	2
BT50-SLA32-105K	32	72	105	M20*2	2
BT50-SLA40-110K	40	80	110	M20*2	2
BT50-SLA06-100K	6	25	100	M6	1
BT50-SLA08-100K	8	28	100	M8	1
BT50-SLA10-100K	10	35	100	M10	1
BT50-SLA12-100K	12	42	100	M12	1
BT50-SLA14-100K	14	44	100	M12	1
BT50-SLA16-100K	16	48	100	M14	1
BT50-SLA18-100K	18	50	100	M14	1
BT50-SLA20-100K	20	52	100	M16	1

AD/B Customized

AD/B 可定制

End Mill Holder Whistle Notch

侧固式铣刀柄，斜 2 度

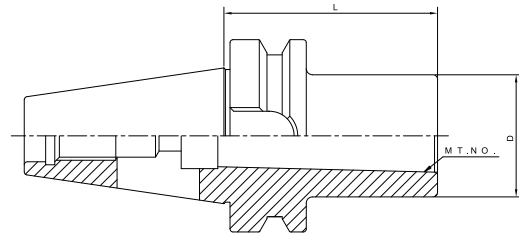
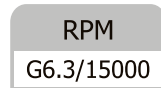
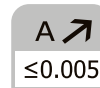


Size	d	D	L	M	Screw Quantity
BT40-SLB06-50	6	25	50	M6	1
BT40-SLB08-50	8	28	50	M8	1
BT40-SLB10-63	10	35	63	M10	1
BT40-SLB12-63	12	42	63	M12	1
BT40-SLB14-63	14	44	63	M12	1
BT40-SLB16-63	16	48	63	M14	1
BT40-SLB18-63	18	50	63	M14	1
BT40-SLB20-63	20	52	63	M16	1
BT40-SLB25-90	25	65	90	M18*2	2
BT40-SLB32-100	32	72	100	M20*2	2
BT40-SLB40-120	40	80	120	M20*2	2
BT50-SLB06-63	6	25	63	M6	1
BT50-SLB08-63	8	28	63	M8	1
BT50-SLB10-63	10	35	63	M10	1
BT50-SLB12-80	12	42	80	M12	1
BT50-SLB14-80	14	44	80	M12	1
BT50-SLB16-80	16	48	80	M14	1
BT50-SLB18-80	18	50	80	M14	1
BT50-SLB20-80	20	52	80	M16	1
BT50-SLB25-100	25	65	100	M18*2	2
BT50-SLB32-105	32	72	105	M20*2	2
BT50-SLB40-110	40	80	110	M20*2	2

AD/B Customized

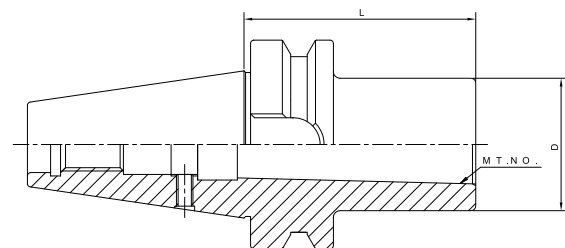
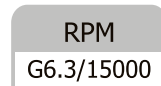
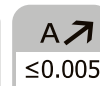
AD/B 可定制

Morse Taper Adapter with Tang 带扁尾莫氏刀柄



Size	MT.NO.	D	L
BT30-MTA1-45	1	25	45
BT30-MTA2-60	2	32	60
BT30-MTA3-75	3	40	75
BT40-MTA1-50	1	25	50
BT40-MTA2-50	2	32	50
BT40-MTA3-70	3	40	70
BT40-MTA4-95	4	48	95
BT50-MTA1-45	1	25	45
BT50-MTA2-60	2	32	60
BT50-MTA3-65	3	40	65
BT50-MTA3-180	3	40	180
BT50-MTA4-95	4	48	95
BT50-MTA4-180	4	48	180
BT50-MTA5-105	5	63	105

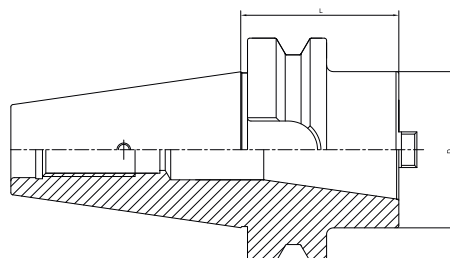
Morse Taper Adapter with Drawbar 带螺纹孔莫氏刀柄



Size	MT.NO.	D	L
BT40-MTB1-50	1	25	50
BT40-MTB2-50	2	32	50
BT40-MTB3-70	3	40	70
BT40-MTB4-95	4	48	95
BT50-MTB1-45	1	25	45
BT50-MTB2-60	2	32	60
BT50-MTB3-65	3	40	65
BT50-MTB4-70	4	48	70
BT50-MTB5-120	5	63	120

Tool Holder Adapter Sleeve 转换刀柄

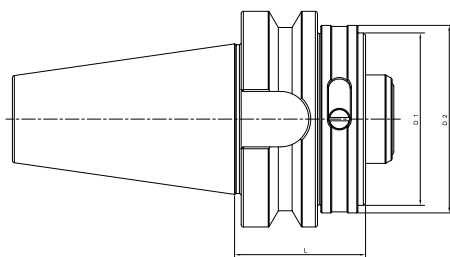
A ↗	RPM
≤0.005	G6.3/15000



Size	D	L
BT40-BT30-60	63	60
BT40-BT40-100	63	100
BT50-BT40-70	70	70
BT50-BT50-120	97	120

Tool Holder Adapter Sleeve 转换刀柄

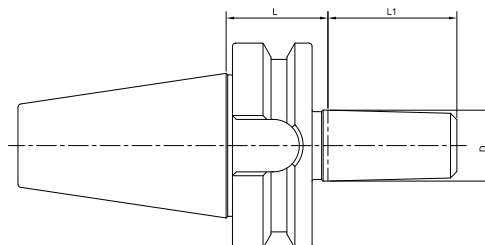
A ↗	AD
≤0.005	AD



Size	D1	D2	L
BT30-HSK32C-40	32	37	40
BT30-HSK40C-40	40	45	40
BT40-HSK32C-40	32	37	40
BT40-HSK40C-40	40	45	40
BT40-HSK50C-50	50	55	50
BT40-HSK63C-70	63	70	70
BT50-HSK32C-50	32	37	50
BT50-HSK40C-50	40	45	50
BT50-HSK50C-60	50	55	60
BT50-HSK63C-60	63	70	60
BT50-HSK80C-60	80	87	60
BT50-HSK100C-90	100	110	90

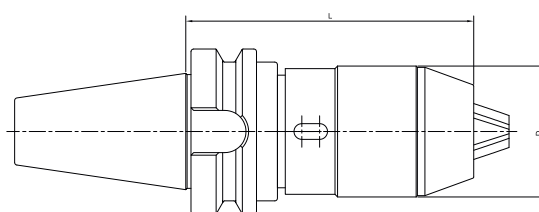
Drill Chuck Adapter 钻接杆

 DIN238	 A ≤ 0.005	 RPM G6.3/15000
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Size	D	L	L1
BT30-B12-25	B12	25	18.5
BT30-B16-25	B16	25	24
BT40-B12-32	B12	32	18.5
BT40-B16-32	B16	32	24
BT40-B18-32	B18	32	32
BT40-B22-32	B22	32	40.5
BT50-B16-45	B16	45	24
BT50-B18-45	B18	45	32
BT50-B22-45	B22	45	40.5

APU Drill Chuck Holder APU 钻夹头刀柄

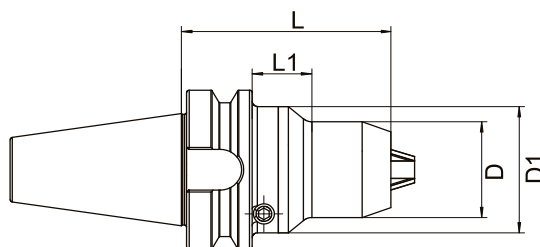


Size	D	L	Capacity
BT30-APU08-80	36	80	1-8
BT30-APU13-110	48	110	1-13
BT40-APU08-85	36	85	1-8
BT40-APU13-105	48	105	1-13
BT40-APU16-110	53	110	3-16
BT50-APU08-90	36	90	1-8
BT50-APU13-105	48	105	1-13
BT50-APU16-115	53	115	3-16

Precision Drill Chuck Holder

精密钻夹头刀柄

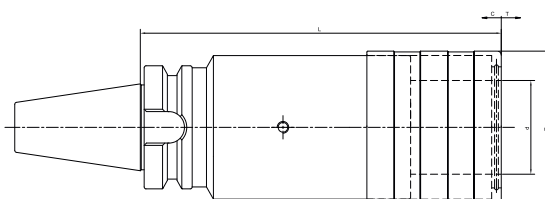
A ↗	RPM
≤0.03	G6.3/15000



Size	D	D1	L	L1	Capacity
BT30-CPU10-80	38	50	80	26	1-10
BT40-CPU10-80	38	50	80	21	1-10
BT40-CPU13-90	50	-	90	-	1-13
BT40-CPU16-90	50	-	90	-	1-16
BT50-CPU13-100	50	-	100	-	1-13
BT50-CPU16-100	50	-	100	-	1-16

Quick Change Tapping Chuck with Length Compensation

弹性快换攻丝刀柄

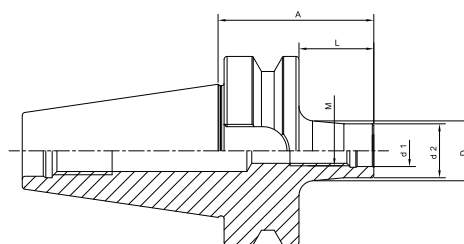


Size	d	D	L	T	C
BT30-TC312-70	19	38	70	7.5	7.5
BT30-TC820-95	31	54	95	12.5	12.5
BT40-TC312-65	19	38	65	7.5	7.5
BT40-TC820-93	31	53	93	12.5	12.5
BT40-TC1433-166	48	78	166	22	22
BT50-TC312-100	19	38	100	7.5	7.5
BT50-TC820-100	31	53	100	12.5	12.5
BT50-TC1433-142	48	78	142	22	22

Screw-in Milling Cutter Holder

锁牙刀柄, 锥柄型

A ↗ ≤0.005	RPM G6.3/15000	AD
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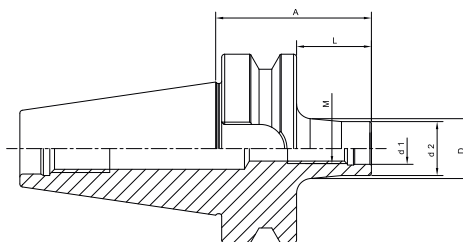


Size	M	d1	d2	A	L	D
BT40-SOM08-52 L=25	8	8.5	14.5	52	25	15
BT40-SOM08-77 L=50	8	8.5	14.5	77	50	23
BT40-SOM08-102 L=75	8	8.5	14.5	102	75	23
BT40-SOM08-127 L=100	8	8.5	14.5	127	100	25
BT40-SOM10-32 L=5	10	10.5	18	32	5	18
BT40-SOM10-52 L=25	10	10.5	18	52	25	20
BT40-SOM10-77 L=50	10	10.5	18	77	50	23
BT40-SOM10-102 L=75	10	10.5	18	102	75	28
BT40-SOM10-127 L=100	10	10.5	18	127	100	32
BT40-SOM10-177 L=150	10	10.5	18	177	150	36.5
BT40-SOM12-32 L=5	12	12.5	21	32	5	21
BT40-SOM12-52 L=25	12	12.5	21	52	25	24
BT40-SOM12-77 L=50	12	12.5	21	77	50	24
BT40-SOM12-102 L=75	12	12.5	21	102	75	31
BT40-SOM12-127 L=100	12	12.5	21	127	100	31
BT40-SOM12-152 L=125	12	12.5	21	152	125	36
BT40-SOM12-177 L=150	12	12.5	21	177	150	38
BT40-SOM16-32 L=5	16	17	29	32	5	29
BT40-SOM16-52 L=25	16	17	29	52	25	29
BT40-SOM16-77 L=50	16	17	29	77	50	34
BT40-SOM16-102 L=75	16	17	29	102	75	34
BT40-SOM16-127 L=100	16	17	29	127	100	36
BT40-SOM16-152 L=125	16	17	29	152	125	40
BT40-SOM16-177 L=150	16	17	29	177	150	42.5
BT50-SOM08-88 L=50	8	8.5	14.5	88	50	23
BT50-SOM08-138 L=100	8	8.5	14.5	138	100	25
BT50-SOM08-188 L=150	8	8.5	14.5	188	150	30
BT50-SOM10-88 L=50	10	10.5	18	88	50	23
BT50-SOM10-138 L=100	10	10.5	18	138	100	32
BT50-SOM10-188 L=150	10	10.5	18	188	150	36.5

Screw-inMilling Cutter Holder

锁牙刀柄，锥柄型

A ↗	RPM	
≤0.005	G6.3/15000	AD

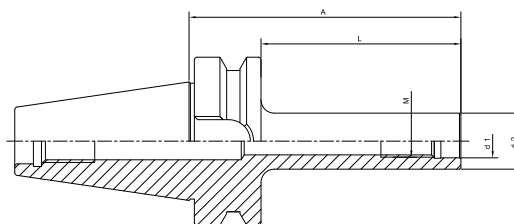


Size	M	d1	d2	A	L	D
BT50-SOM12-88 L=50	12	12.5	21	88	50	24
BT50-SOM12-138 L=100	12	12.5	21	138	100	33
BT50-SOM12-188 L=150	12	12.5	21	188	150	40
BT50-SOM16-88 L=50	16	17	29	88	50	34
BT50-SOM16-138 L=100	16	17	29	138	100	36
BT50-SOM16-188 L=150	16	17	29	188	150	42.5

Screw-in Milling Cutter Holder

锁牙刀柄，直柄型

A ↗	RPM	
≤0.005	G6.3/15000	AD

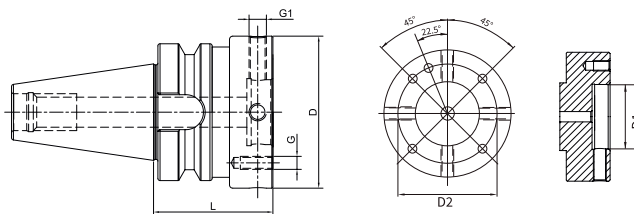


Size	M	d1	d2	A	L
BT40-M10-102 L=75	10	10.5	18	102	75
BT40-M10-127 L=100	10	10.5	18	127	100
BT40-M10-177 L=150	10	10.5	18	177	150
BT40-M12-102 L=75	12	12.5	21	102	75
BT40-M12-127 L=100	12	12.5	21	127	100
BT40-M12-152 L=125	12	12.5	21	152	125
BT40-M12-177 L=150	12	12.5	21	177	150
BT40-M16-102 L=75	16	17	29	102	75
BT40-M16-127 L=100	16	17	29	127	100
BT40-M16-152 L=125	16	17	29	152	125
BT40-M16-177 L=150	16	17	29	177	150
BT50-M10-138 L=100	10	10.5	18	138	100
BT50-M10-188 L=150	10	10.5	18	188	150
BT50-M12-138 L=100	12	12.5	21	138	100
BT50-M12-188 L=150	12	12.5	21	188	150
BT50-M16-138 L=100	16	17	29	138	100
BT50-M16-188 L=150	16	17	29	188	150

Runout Adjustable Flange Adapter

可调节精度法兰刀柄

A ↗	RPM	
≤0.002	G2.5/25000	AD

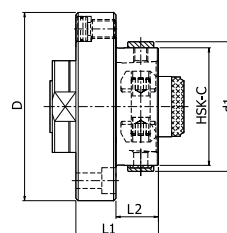


BT

Size	D	D1	D2	L	G	G1
BT30-MOD060-050	60	30	44	50	M5	M8x1
BT30-MOD070-050	70	35	53	50	M6	M8x1
BT40-MOD060-050	60	30	44	50	M5	M8x1
BT40-MOD070-050	70	35	53	50	M6	M8x1
BT40-MOD080-050	80	40	63	50	M6	M8x1
BT40-MOD100-070	100	50	79	70	M8	M10x1
BT50-MOD060-070	60	30	44	70	M5	M8x1
BT50-MOD070-070	70	35	53	70	M6	M8x1
BT50-MOD080-070	80	40	63	70	M6	M8x1
BT50-MOD100-070	100	50	79	70	M8	M10x1
BT50-MOD117-080	117	60	96	80	M8	M10x1
BT50-MOD140-080	140	80	119	80	M10	M10x1

Flange Tool Holder Adapter Sleeve

法兰转换刀柄



Size	D	HSK-C	d1	L1	L2
MOD060-HSK32C-26	60	32	37	26	13
MOD070-HSK40C-30	70	40	45	30	15
MOD080-HSK50C-35	80	50	55	35	18
MOD100-HSK63C-43	100	63	70	43	22
MOD117-HSK80C-50	117	80	87	50	29
MOD140-HSK100C-70	140	100	110	70	42

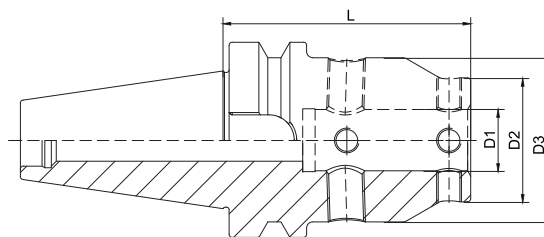
UM Adjustable Tool Holder

UM 调零刀柄

A ↗
≤0.003

RPM
G2.5/25000


AD

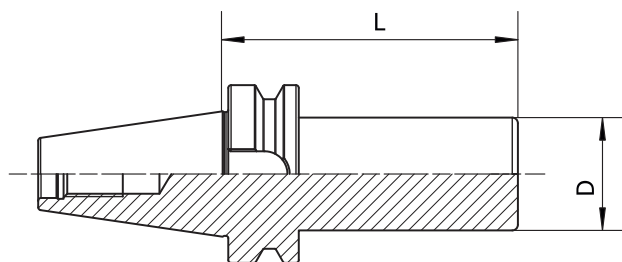


Size	D1	D2	D3	L
BT30-UM12-65	12	28	44.5	65
BT30-UM16-75	16	32	48	75
BT30-UM20-85	20	40	53	85
BT30-UM25-95	25	48	63	95
BT30-UM32-100	32	52	63	100
BT40-UM12-70	12	28	44.5	70
BT40-UM16-70	16	32	48	70
BT40-UM20-80	20	40	53	80
BT40-UM25-100	25	48	63	100
BT40-UM32-95	32	52	63	95
BT50-UM12-80	12	28	44.5	80
BT50-UM16-85	16	32	48	85
BT50-UM20-90	20	40	53	90
BT50-UM25-105	25	48	63	105
BT50-UM32-105	32	52	63	105

BT

Boring Bar Blank

基础柄

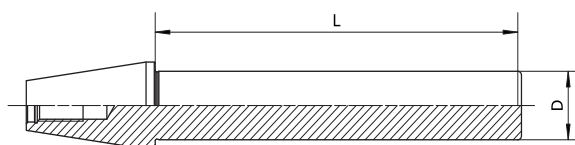


Size	D	L
BT30-D50-160	50	160
BT40-D63-160	63	160
BT40-D63-250	63	250
BT50-D100-160	100	160
BT50-D100-250	100	250

Test Arbor

主轴检测棒

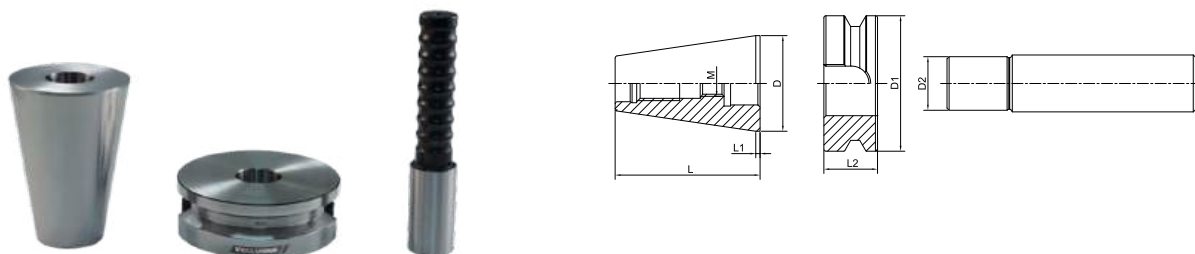
A ↗
≤0.002



Size	D	L
BT30-32-300	32	300
BT40-40-300	40	300
BT50-50-300	50	300

Alignment Tool for ATC Arm

调整机械手用组合模具

BT


Size	D	D1	D2	L	L1	L2
BT30-ATC-18D	31.75	46	18	50.4	2	20
BT40-ATC-20D	44.45	63	20	67.4	2	25
BT50-ATC-28D	69.85	100	28	104.8	3	35

Usage:

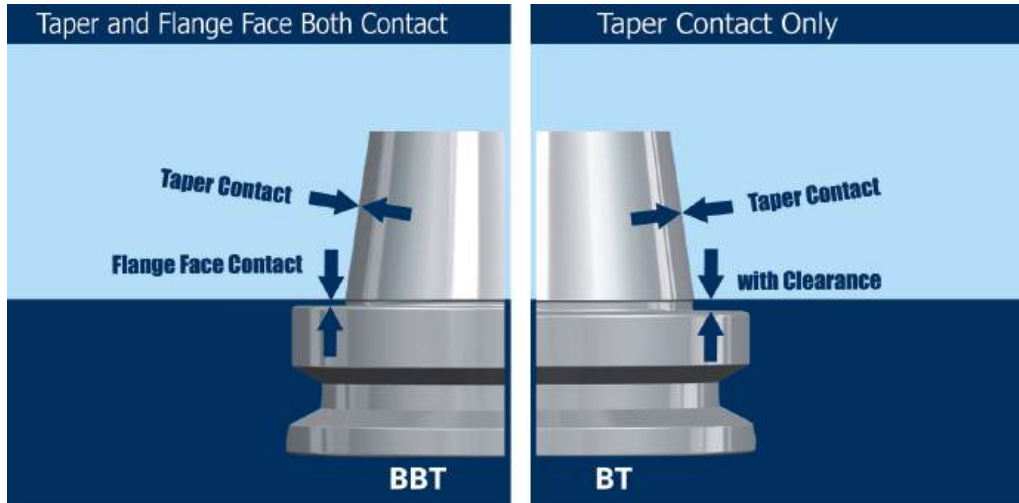
- 1) Put the Taper to the machine Spindle
- 2) Install flange to the ATC arm
- 3) Insert Pin into the flange
- 4) Adjust ATC arm and make sure the pin front part into the flange completely.

BBT

TOOL HOLDERS



BBT DualDrive (Double Contact) Tool Holders

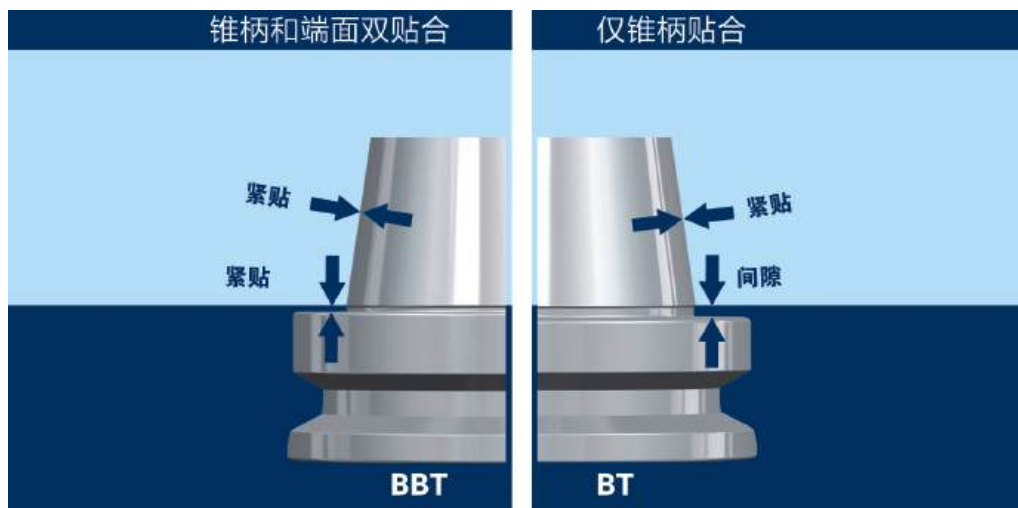


BBT Advantages:

- * Improve tool holder stability when high speed working.
- * Improve workpiece surface finish.
- * Improve working dimension accuracy.
- * Improve ATC repeatability.
- * Improve the roundness when boring operation.
- * Extend cutting tool life.

ORDER SPECIFICATION:
PLEASE ORDER BBT SPINDLE FOR BETTER PERFORMANCE.

BBT 双接触刀柄



使用 BBT 双接触刀柄优势：

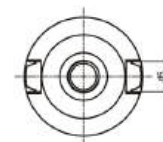
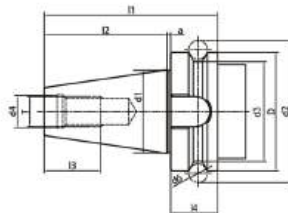
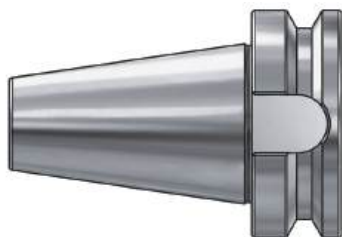
- * 高速加工时提高刀柄稳定性；
- * 提高工件表面光洁度；
- * 提高加工精度；
- * 提高 ATC 的重复精度；
- * 提高镗孔加工圆度；
- * 增加刀具使用寿命。

订购说明：

为了更好的使用效果，请订购带 BBT 主轴的加工中心。

BBT Taper Standard

BBT 锥柄标准



Size	D	d1	d2	d3	d4	d5	d6	l1	l2	l3	l4	a	T
BBT30	46	31.75	56.14	38	12.5	16.1	8	70.4	48.4	24	21	1	M12*1.75
BBT40	63	44.45	75.679	53	17	16.1	10	92.4	65.4	30	26	1	M16*2.0
BBT50	100	69.85	119.019	85	25	25.7	15	139.8	101.8	45	36.5	1.5	M24*3.0

Taper standard: JIS B 6339

Material: Alloyed case hardened steel

Surface Treatment: Blackening and Bright

Taper tolerance: <AT3

Hardness: HRC 56-60

Carbon depth: 0.8±0.2mm

Surface Roughness: Ra<0.2μm

Balancing: G6.3/15000; G2.5/25000

Cooling: AD; AD/B can be made by request.

BBT TOOLING SYSTEM

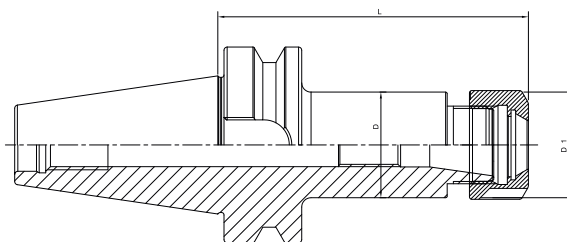
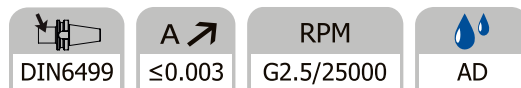
BBT 工具系统

ER Collet Chuck.....	C.40
ER 弹簧夹头刀柄.....	C.40
Power Milling Chuck	C.42
强力铣刀柄.....	C.42
SKS Collet Chuck.....	C.43
SKS 高速筒夹刀柄.....	C.43
Face Mill Holder.....	C.44
面铣刀柄	C.44
Combi Shell Mill Holder.....	C.46
混合插入式铣刀柄.....	C.46
End Mill Holder.....	C.47
侧固刀柄.....	C.47
Morse Taper Adapter.....	C.48
带扁尾莫氏刀柄.....	C.48
Tool Holder Adapter Sleeve	C.48
转换刀柄.....	C.48
Precision Drill Chuck Holder.....	C.49
精密钻夹头刀柄.....	C.49
Runout Adjustable Flange Adapter	C.49
可调节精度法兰刀柄.....	C.49
Test Arbor.....	C.50
主轴检测棒.....	C.50



ER Collet Chuck with UM Nut

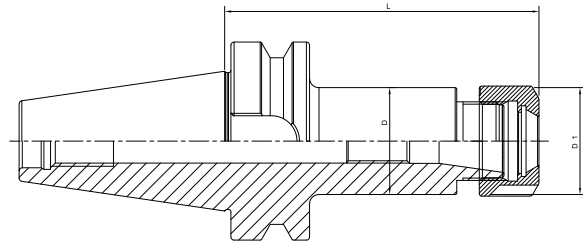
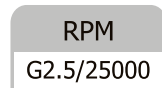
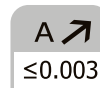
ER 弹簧夹头刀柄



Size	D	D1	L	Capacity
BBT40-ER16UM-70	28	32	70	1-10
BBT40-ER20UM-70	34	35	70	1-13
BBT40-ER25-70	42	42	70	2-16
BBT40-ER32-70	50	50	70	2-20
BBT40-ER40-80	50	63	80	3-26
BBT40-ER16UM-100	28	32	100	1-10
BBT40-ER20UM-100	34	35	100	1-13
BBT40-ER25-100	42	42	100	2-16
BBT40-ER32-100	50	50	100	2-20
BBT40-ER40-100	50	63	100	3-26
BBT40-ER16UM-160	28	32	160	1-10
BBT40-ER20UM-160	34	35	160	1-13
BBT40-ER25-160	42	42	160	2-16
BBT40-ER32-160	50	50	160	2-20
BBT40-ER40-160	50	63	160	3-26
BBT50-ER16UM-70	28	32	70	1-10
BBT50-ER20UM-70	34	35	70	1-13
BBT50-ER25-70	42	42	70	2-16
BBT50-ER32-70	40	50	70	2-20
BBT50-ER40-80	63	63	80	3-26
BBT50-ER50-100	64	78	100	6-34
BBT50-ER16UM-100	28	32	100	1-10
BBT50-ER20UM-100	34	35	100	1-13
BBT50-ER25-100	42	42	100	2-16
BBT50-ER32-100	50	50	100	2-20
BBT50-ER40-100	63	63	100	3-26
BBT50-ER16UM-160	28	32	160	1-10
BBT50-ER20UM-160	34	35	160	1-13
BBT50-ER25-160	42	42	160	2-16
BBT50-ER32-160	50	50	160	2-20
BBT50-ER40-160	63	63	160	3-26

ER Collet Chuck with Hex Nut

ER 弹簧夹头刀柄



Size	D	D1	L	Capacity
BBT40-ER16-70	28	28	70	1-10
BBT40-ER20-70	34	34	70	1-13
BBT40-ER16-100	28	28	100	1-10
BBT40-ER20-100	34	34	100	1-13
BBT40-ER16-160	28	28	160	1-10
BBT40-ER20-160	34	34	160	1-13
BBT50-ER16-70	28	28	70	1-10
BBT50-ER20-70	34	34	70	1-13
BBT50-ER16-100	28	28	100	1-10
BBT50-ER20-100	34	34	100	1-13
BBT50-ER16-160	28	28	160	1-10
BBT50-ER20-160	34	34	160	1-13



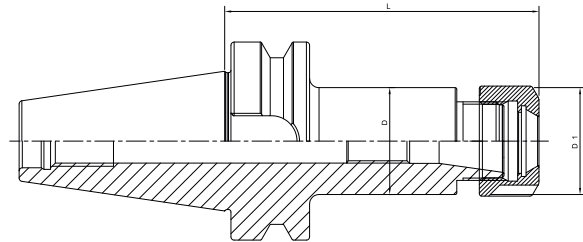
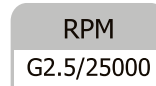
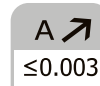
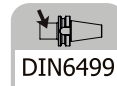
Bright-tools

BRIGHT-TOOLS

TOOL HOLDER JIS B 6339

ER Collet Chuck with Mini Nut

ER 弹簧夹头刀柄



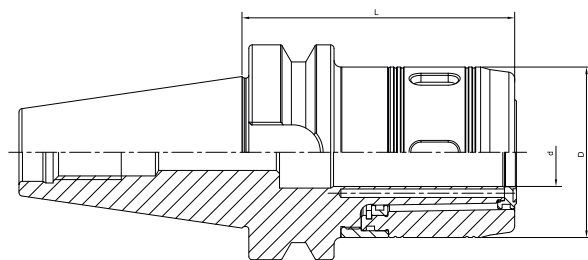
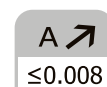
Size	D	D1	L	Capacity
BBT40-ER11M-70	16	16	70	1-7
BBT40-ER16M-70	22	22	70	1-10
BBT40-ER20M-70	28	28	70	1-13
BBT40-ER25M-70	35	35	70	2-16
BBT40-ER11M-100	16	16	100	1-7
BBT40-ER16M-100	22	22	100	1-10
BBT40-ER20M-100	28	28	100	1-13
BBT40-ER25M-100	35	35	100	2-16
BBT40-ER11M-160T	16	16	160	1-7
BBT40-ER16M-160T	22	22	160	1-10
BBT40-ER20M-160	28	28	160	1-13
BBT40-ER25M-160	35	35	160	2-16

T refers to cutter side with taper design

T 代表刀具端锥柄设计

Power Milling Chuck

强力铣刀柄



Size	d	D	L	Capacity
BBT40-HC20-90	20	50	90	3-16; 20
BBT40-HC25-100	25	59	100	3-20; 25
BBT40-HC32-105	32	72	105	3-25; 32
BBT50-HC20-105	20	50	105	3-16; 20
BBT50-HC25-105	25	59	105	3-20; 25
BBT50-HC32-110	32	72	110	3-25; 32

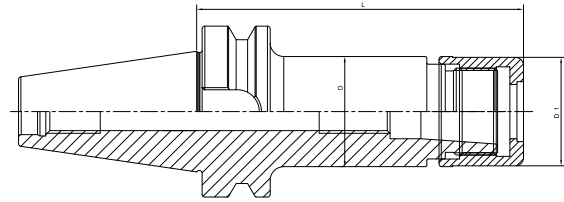
C.42

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High Speed SKS Collet Chuck

SKS 高速筒夹刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD

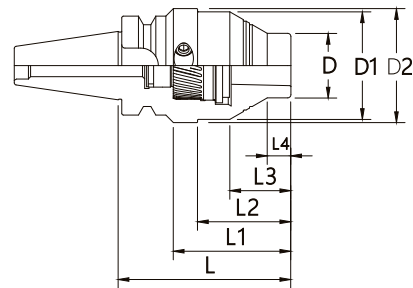


Size	D	D1	L	Capacity	M
BBT40-SKS10-90	27.5	27.1	90	2-10	M21.5*1
BBT40-SKS16-90	40.6	40	90	3-16	M32*1.5
BBT40-SKS20-90	48.5	48	90	2-20	M40*1
BBT40-SKS25-90	55.6	55	90	6-25	M45*1.5
BBT40-SKS10-120	27.5	27.1	120	2-10	M21.5*1
BBT40-SKS16-120	40.6	40	120	3-16	M32*1.5
BBT40-SKS20-120	48.5	48	120	2-20	M40*1
BBT40-SKS25-120	55.6	55	120	6-25	M45*1.5

Precision Screw Collet Chuck

NDC 后拉刀柄

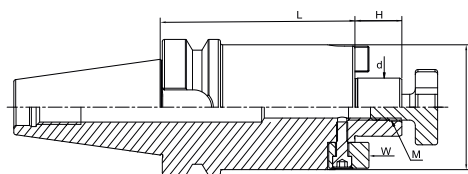
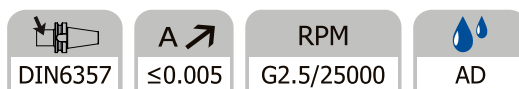
A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	D	D1	D2	D3	L	L1	L2	L3	L4	Capacity
BBT30-NDC14-80	30	50	53	-	80	56	43	26	11	4-14
BBT30-NDC14-130	24	30	53	-	130	105	78	60	-	4-14
BBT30-NDC20-80	40	53	-	-	80	56	28	19	-	4-20
BBT40-NDC20-70	40	63	-	-	70	38	18	-	-	4-20
BBT40-NDC20-120	40	63	-	-	120	89	68	-	-	4-20
BBT40-NDC14-70	30	50	-	-	70	43	28	11	-	4-14
BBT40-NDC14-120	24	30	53	-	120	93	78	61	-	4-14
BBT40-NDC32-110	53	63	-	-	110	14	-	-	-	12-32
BBT50-NDC20-130	34	55	70	-	130	93	81	73	24	4-20
BBT50-NDC32-145	60	70	-	-	145	108	14	-	-	12-32

Face Mill Holder

面铣刀柄

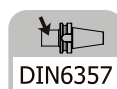


Size	d	L	D	H	M
BBT40-FMB16-40	16	40	38	17	M8
BBT40-FMB22-40	22	40	48	19	M10
BBT40-FMB27-40	27	40	58	21	M12
BBT40-FMB32-50	32	50	78	24	M16
BBT40-FMB22-60	22	60	48	19	M10
BBT40-FMB27-60	27	60	58	21	M12
BBT40-FMB32-60	32	60	78	24	M16
BBT40-FMB16-100	16	100	38	17	M8
BBT40-FMB22-100	22	100	48	19	M10
BBT40-FMB27-100	27	100	58	21	M12
BBT40-FMB32-100	32	100	78	24	M16
BBT50-FMB16-40	16	40	38	17	M8
BBT50-FMB22-40	22	40	48	19	M10
BBT50-FMB27-40	27	40	58	21	M12
BBT50-FMB32-50	32	50	78	24	M16
BBT50-FMB22-60	22	60	48	19	M10
BBT50-FMB27-60	27	60	58	21	M12
BBT50-FMB32-60	32	60	78	24	M16
BBT50-FMB16-100	16	100	38	17	M8
BBT50-FMB22-100	22	100	48	19	M10
BBT50-FMB27-100	27	100	58	21	M12
BBT50-FMB32-100	32	100	78	24	M16
BBT50-FMB22-160	22	160	48	19	M10
BBT50-FMB27-160	27	160	58	21	M12
BBT50-FMB32-160	32	160	78	24	M16

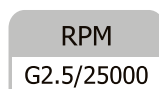
Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国面铣刀柄标配圆头螺钉 (图 1)，其他国家标配十字花螺钉 (图 2)。

Face Mill Holder

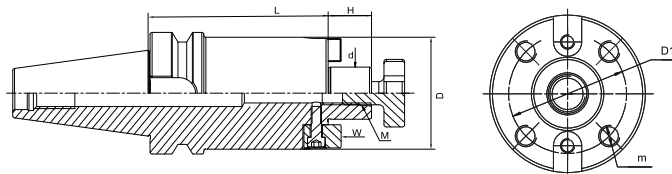
面铣刀柄



DIN6357

 ≤ 0.005 RPM
G2.5/25000

AD



Size	d	L	D	D1	H	M	m
BBT40-FMB40-50	40	50	88	66.7	27	M20	M12
BBT40-FMB40-100	40	100	88	66.7	27	M20	M12
BBT50-FMB40-50	40	50	88	66.7	27	M20	M12
BBT50-FMB40-100	40	100	88	66.7	27	M20	M12

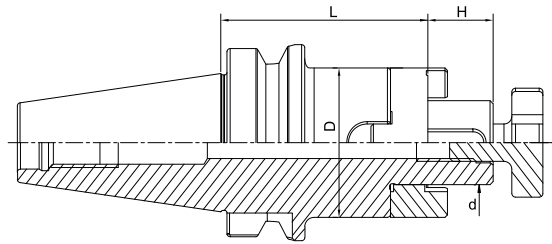
FMB40 tool holder is with one retaining screw (image 2) . but it is with one universal screw (image 1) in China.

FMB40 刀柄中国市场面铣刀柄标配圆头螺钉 (图 1)，其他国家标配十字花螺钉 (图 2).

Combi Shell Mill Holder

混合插入式铣刀柄

		
DIN6358	≤0.005	RPM G2.5/25000

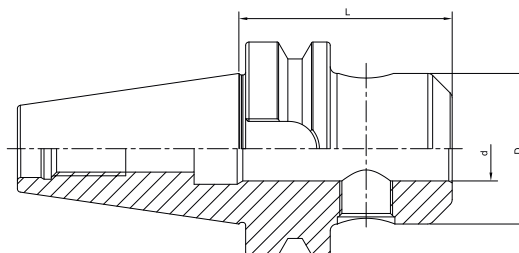


Size	d	D	H	L
BBT40-SEMC16-55	16	32	17	55
BBT40-SEMC22-55	22	40	19	55
BBT40-SEMC27-55	27	48	21	55
BBT40-SEMC32-60	32	58	24	60
BBT40-SEMC40-60	40	70	27	60
BBT40-SEMC16-100	16	32	17	100
BBT40-SEMC22-100	22	40	19	100
BBT40-SEMC27-100	27	48	21	100
BBT40-SEMC32-100	32	58	24	100
BBT40-SEMC40-100	40	70	27	100
BBT40-SEMC16-160	16	32	17	160
BBT40-SEMC22-160	22	40	19	160
BBT40-SEMC27-160	27	48	21	160
BBT40-SEMC32-160	32	58	24	160
BBT40-SEMC40-160	40	70	27	160
BBT50-SEMC16-70	16	32	17	70
BBT50-SEMC22-70	22	40	19	70
BBT50-SEMC27-70	27	48	21	70
BBT50-SEMC32-70	32	58	24	70
BBT50-SEMC40-70	40	70	27	70
BBT50-SEMC16-100	16	32	17	100
BBT50-SEMC22-100	22	40	19	100
BBT50-SEMC27-100	27	48	21	100
BBT50-SEMC32-100	32	58	24	100
BBT50-SEMC40-100	40	70	27	100
BBT50-SEMC16-160	16	32	17	160
BBT50-SEMC22-160	22	40	19	160
BBT50-SEMC27-160	27	48	21	160
BBT50-SEMC32-160	32	58	24	160
BBT50-SEMC40-160	40	70	27	160

End Mill Holder Weldon 侧固刀柄



			
DIN6359/1835B	≤0.005	G2.5/25000	AD



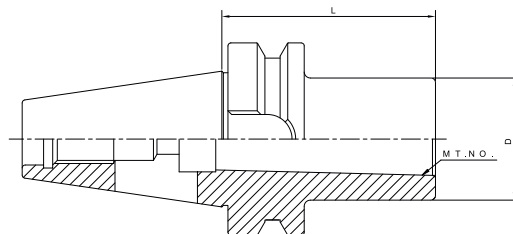
BBT

Size	d	D	L	M	Screw Quantity
BBT40-SLA06-50	6	25	50	M6	1
BBT40-SLA08-50	8	28	50	M8	1
BBT40-SLA10-63	10	35	63	M10	1
BBT40-SLA12-63	12	42	63	M12	1
BBT40-SLA14-63	14	44	63	M12	1
BBT40-SLA16-63	16	48	63	M14	1
BBT40-SLA18-63	18	50	63	M14	1
BBT40-SLA20-63	20	52	63	M16	1
BBT40-SLA25-90	25	65	90	M18*2	2
BBT40-SLA32-100	32	72	100	M20*2	2
BBT40-SLA40-120	40	80	120	M20*2	2
BBT40-SLA06-100	6	25	100	M6	1
BBT40-SLA08-100	8	28	100	M8	1
BBT40-SLA10-100	10	35	100	M10	1
BBT40-SLA12-100	12	42	100	M12	1
BBT40-SLA14-100	14	44	100	M12	1
BBT40-SLA16-100	16	48	100	M14	1
BBT40-SLA18-100	18	50	100	M14	1
BBT40-SLA20-100	20	52	100	M16	1
BBT50-SLA06-63	6	25	63	M6	1
BBT50-SLA08-63	8	28	63	M8	1
BBT50-SLA10-63	10	35	63	M10	1
BBT50-SLA12-80	12	42	80	M12	1
BBT50-SLA14-80	14	44	80	M12	1
BBT50-SLA16-80	16	48	80	M14	1
BBT50-SLA18-80	18	50	80	M14	1
BBT50-SLA20-80	20	52	80	M16	1
BBT50-SLA25-100	25	65	100	M18*2	2
BBT50-SLA32-105	32	72	105	M20*2	2
BBT50-SLA40-110	40	80	110	M20*2	2
BBT50-SLA50-125	50	98	125	M24*2	2

Morse Taper Adapter with Tang

带扁尾莫氏刀柄

		
DIN6383	≤0.005	RPM G2.5/25000

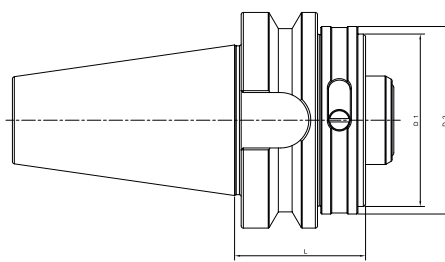


Size	MT.NO.	D	L
BBT40-MTA1-50	1	25	50
BBT40-MTA2-50	2	32	50
BBT40-MTA3-70	3	40	70
BBT40-MTA4-95	4	48	95
BBT50-MTA1-45	1	25	45
BBT50-MTA2-60	2	32	60
BBT50-MTA3-65	3	40	65
BBT50-MTA4-95	4	48	95

Tool Holder Adapter Sleeve

转换刀柄

	
≤0.005	AD

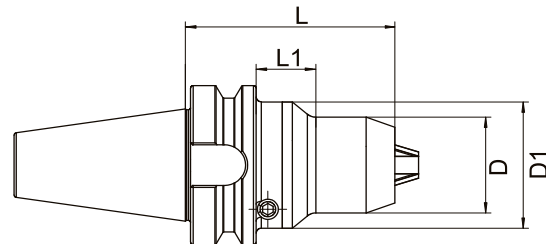


Size	D1	D2	L
BBT40-HSK63C-70	63	70	70
BBT50-HSK63C-60	63	70	60
BBT50-HSK100C-90	100	110	90

Precision Drill Chuck Holder

精密钻夹头刀柄

	RPM	
≤0.03	G2.5/25000	AD

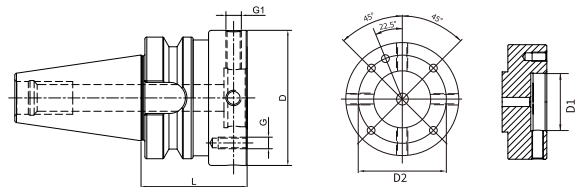


Size	D	D1	L	L1	Capacity
BBT40-CPU10-80	38	50	80	21	1-10
BBT40-CPU13-90	50	-	90	-	1-13
BBT40-CPU16-90	50	-	90	-	1-16
BBT50-CPU13-100	50	-	100	-	1-13
BBT50-CPU16-100	50	-	100	-	1-16

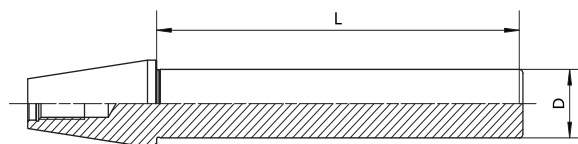
Runout Adjustable Flange Adapter

可调节精度法兰刀柄

	RPM	
≤0.002	G2.5/25000	AD



Size	D	D1	D2	L	G	G1
BBT40-MOD060-050	60	30	44	50	M5	M8x1
BBT40-MOD070-050	70	35	53	50	M6	M8x1
BBT40-MOD080-050	80	40	63	50	M6	M8x1
BBT40-MOD100-070	100	50	79	70	M8	M10x1
BBT50-MOD060-070	60	30	44	70	M5	M8x1
BBT50-MOD070-070	70	35	53	70	M6	M8x1
BBT50-MOD080-070	80	40	63	70	M6	M8x1
BBT50-MOD100-070	100	50	79	70	M8	M10x1
BBT50-MOD117-080	117	60	96	80	M8	M10x1
BBT50-MOD140-080	140	80	119	80	M10	M10x1

Test Arbor
主轴检测棒**A ↗**
≤0.002

Size	D	L
BBT30-32-300	32	300
BBT40-40-300	40	300
BBT50-50-300	50	300

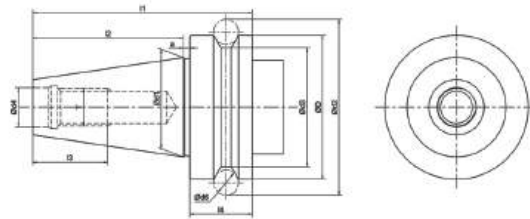
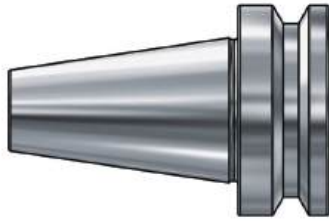
BBT

NBT

TOOL HOLDERS

NBT Taper Standard

NBT 锥柄标准



Size	D	d1	d2	d3	d4	d5	d6	l1	l2	l3	l4	a	T
NBT30	46	31.75	56.144	38	12.5	16.1	8	70.4	48.4	24	20	2	M12×1.75
NBT40	63	44.45	75.679	53	17	16.1	10	92.4	65.4	30	25	2	M16×2.0
NBT50	100	69.85	119.019	85	25	25.7	15	139.8	101.8	45	35	3	M24×3.0

Material: Alloyed case hardened steel

Surface Treatment: Blackening and Bright

Taper tolerance: <AT3

Hardness: HRC 56-60

Carbon depth: 0.8±0.2mm

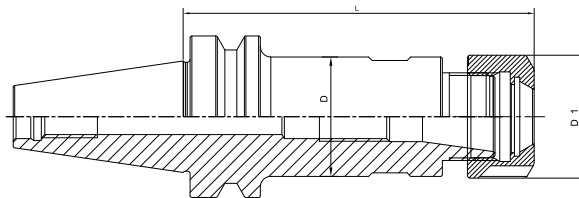
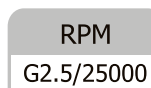
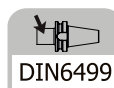
Surface Roughness: Ra<0.2μm

Balancing: G2.5/25000

Cooling: AD

ER Collet Chuck

ER 弹簧夹头刀柄

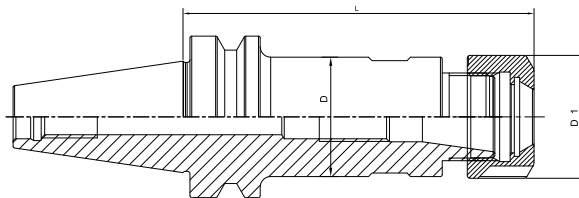
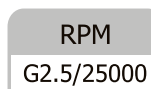
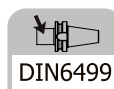


NBT

Size	D	D1	L	Capacity
NBT30-ER25-70	42	42	70	2-16
NBT30-ER32-70	50	50	70	2-20
NBT40-ER25-70	42	42	70	2-16
NBT40-ER32-70	50	50	70	2-20

ER Collet Chuck

ER 弹簧夹头刀柄

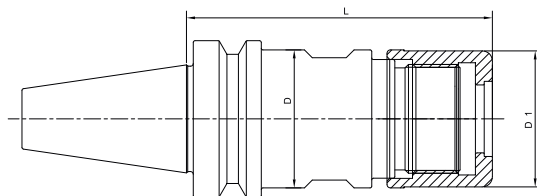


Size	D	D1	L	Capacity
NBT30-ER16-60	28	28	60	1-10
NBT30-ER20-60	34	34	60	1-13
NBT40-ER16-70	28	28	70	1-10
NBT40-ER20-70	34	34	70	1-13

High Speed SKS Collet Chuck

SKS 高速筒夹刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	D	D1	L	Capacity	M
NBT30-SKS10-60	27.5	27.1	60	3-10	M21.5*1.0
NBT30-SKS16-60	40.6	40	60	4-16	M32*1.5

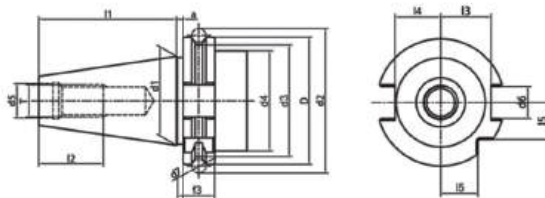
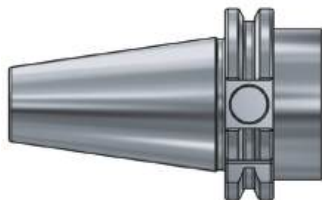
NBT

SK

TOOL HOLDERS

SK Taper Standard

SK 锥柄标准



SK

Size	D	d1	d2	d3	d4	d5	d6	d7	l1	l2	l3	l4	l5	e1	e2
SK30	50	31.75	59.3	44.3	45	13	16.1	7	47.8	24	18.8	16.3	15	21	5
SK40	63.55	44.45	72.3	56.25	50	17	16.1	7	58.4	32	25	22.7	18.5	27	5
SK50	97.5	69.85	107.36	91.25	80	25	25.7	7	101.8	47	37.7	35.5	30	42	7

Taper standard: DIN 69871

Material: Alloyed case hardened steel

Surface Treatment: Blackening and Bright

Taper tolerance: <AT3

Hardness: HRC 56-60

Carbon depth: 0.8±0.2mm

Surface Roughness: Ra<0.2μm

Balancing: G6.3/15000; G2.5/25000

Cooling: AD; AD/B can be made by request.

SK TOOLING SYSTEM

SK 工具系统目录

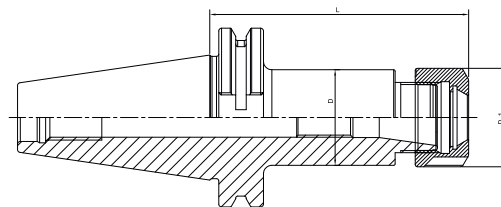
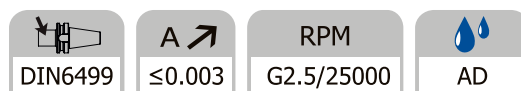
ER Collet Chuck.....	D.04
ER 弹簧夹头刀柄.....	D.04
Power Milling Chuck	D.08
强力铣刀柄	D.08
OZ Collet C huck.....	D.08
OZ 夹头刀柄.....	D.08
SKS Collet Chuck.....	D.09
SKS 高速筒夹刀柄.....	D.09
Pull Back Collet Chuck	D.10
DC 后拉刀柄.....	D.10
Face Mill Holder.....	D.11
面铣刀柄.....	D.11
Combi Shell Mill Holder.....	D.14
混合插入式铣刀柄.....	D.14
End Mill Holder.....	D.15
侧固刀柄.....	D.15
Morse Taper Adapter.....	D.21
带扁尾莫氏刀柄.....	D.21
Morse Taper Adapter.....	D.21
带螺纹孔莫氏刀柄	D.21
Tool Holder Adapter Sleeve	D.22
转换刀柄.....	D.22
Drill Chuck Adapter.....	D.23
钻接杆	D.23
APU Drill Chuck Holder	D.23
APU 钻夹头刀柄.....	D.23
Precision Drill Chuck Holder.....	D.24
精密钻夹头刀柄	D.24
Quick Change Tapping Chuck.....	D.24
弹性快换攻丝刀柄	D.24
Screw-in Milling Cutter Holder.....	D.25
SOM 锁牙刀柄.....	D.25
Runout Adjustable Flange Adapter	D.28
可调节精度法兰刀柄	D.28
UM Adjustable.....	D.28
UM调零刀柄	D.28
Boring Bar Blank.....	D.29
基础柄	D.29
Test Arbor.....	D.29
主轴检测棒.....	D.29
Alignment Tool for ATC Arm	D.30
调整机械手用组合模具.....	D.30



SK

ER Collet Chuck with UM Nut

ER 弹簧夹头刀柄


SK

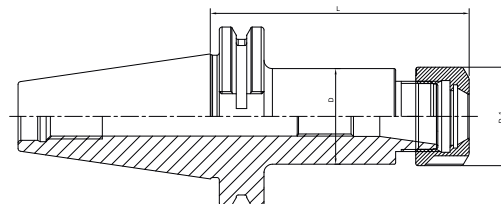
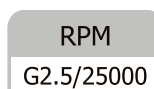
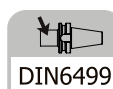
Size	D	D1	L	Capacity
SK30-ER16UM-70	28	32	70	1-10
SK30-ER20UM-70	34	35	70	1-13
SK30-ER25-70	32	42	70	2-16
SK30-ER32-70	40	50	70	2-20
SK30-ER40-70	50	63	70	3-26
SK30-ER16UM-100	28	32	100	1-10
SK30-ER20UM-100	34	35	100	1-13
SK30-ER25-100	42	42	100	2-16
SK30-ER32-100	50	50	100	2-20
SK40-ER16UM-63	28	32	63	1-10
SK40-ER20UM-70	34	35	70	1-13
SK40-ER25-70	42	42	70	2-16
SK40-ER32-70	40	50	70	2-20
SK40-ER40-80	63	63	80	3-26
SK40-ER16UM-100	28	32	100	1-10
SK40-ER20UM-100	34	35	100	1-13
SK40-ER25-100	42	42	100	2-16
SK40-ER32-100	50	50	100	2-20
SK40-ER40-100	63	63	100	3-26
SK40-ER40-120	63	63	120	3-26
SK40-ER16UM-160	28	32	160	1-10
SK40-ER20UM-160	34	35	160	1-13
SK40-ER25-160	42	42	160	2-16
SK40-ER32-160	50	50	160	2-20
SK40-ER40-160	63	63	160	3-26

AD/B Customized

AD/B 可定制

ER Collet Chuck with UM Nut

ER 弹簧夹头刀柄



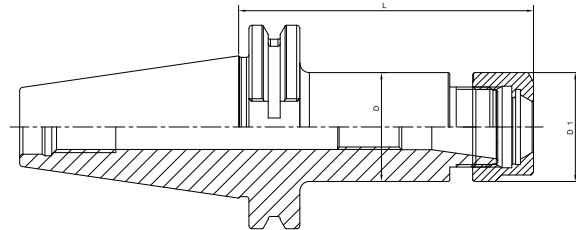
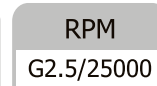
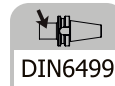
Size	D	D1	L	Capacity
SK40-ER16UM-200	28	32	200	1-10
SK40-ER20UM-200	34	35	200	1-13
SK40-ER25-200	42	42	200	2-16
SK40-ER32-200	50	50	200	2-20
SK40-ER40-200	50	63	200	3-26
SK50-ER16UM-70	28	32	70	1-10
SK50-ER20UM-70	34	35	70	1-13
SK50-ER25-60	42	42	60	2-16
SK50-ER32-70	50	50	70	2-20
SK50-ER40-80	63	63	80	3-26
SK50-ER50-100	100	78	100	6-34
SK50-ER16UM-100	28	32	100	1-10
SK50-ER20UM-100	34	35	100	1-13
SK50-ER25-100	42	42	100	2-16
SK50-ER32-100	50	50	100	2-20
SK50-ER40-100	63	63	100	3-26
SK50-ER16UM-160	28	32	160	1-10
SK50-ER20UM-160	34	35	160	1-13
SK50-ER25-160	42	42	160	2-16
SK50-ER32-160	50	50	160	2-20
SK50-ER40-160	63	63	160	3-26
SK50-ER16UM-200	28	32	200	1-10
SK50-ER20UM-200	34	35	200	1-13
SK50-ER25-200	42	42	200	2-16
SK50-ER32-200	50	50	200	2-20
SK50-ER40-200	63	63	200	3-26

AD/B Customized

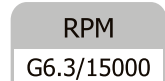
AD/B 可定制

ER Collet Chuck with Hex Nut

ER 弹簧夹头刀柄



Size	D	D1	L	Capacity
SK30-ER16-70	28	28	70	1-10
SK30-ER20-70	34	34	70	1-13
SK30-ER16-100	28	28	100	1-10
SK30-ER20-100	34	34	100	1-13
SK40-ER16-63	28	28	63	1-10
SK40-ER20-70	34	34	70	1-13
SK40-ER16-100	28	28	100	1-10
SK40-ER20-100	34	34	100	1-13
SK40-ER16-160T	28	28	160	1-10
SK40-ER20-160	34	34	160	1-13



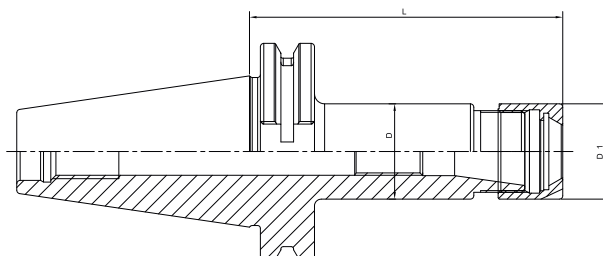
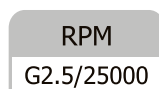
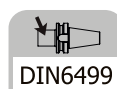
Size	D	D1	L	Capacity
SK40-ER16-200T	28	28	200	1-10
SK40-ER20-200	34	34	200	1-13
SK50-ER16-70	28	28	70	1-10
SK50-ER20-70	34	34	70	1-13
SK50-ER16-100	28	28	100	1-10
SK50-ER20-100	34	34	100	1-13
SK50-ER16-160T	28	28	160	1-10
SK50-ER20-160	34	34	160	1-13
SK50-ER16-200T	28	28	200	1-10
SK50-ER20-200	34	34	200	1-13

AD/B Customized
T refers to cutter side with taper design

AD/B 可定制
T 代表刀具端锥柄设计

ER Collet Chuck with Mini Nut

ER 弹簧夹头刀柄



Size	D	D1	L	Capacity
SK40-ER11M-70	16	16	70	1-7
SK40-ER16M-70	22	22	70	1-10
SK40-ER20M-70	28	28	70	1-13
SK40-ER25M-70	35	35	70	2-16
SK40-ER11M-100	16	16	100	1-7
SK40-ER16M-100	22	22	100	1-10
SK40-ER20M-100	28	28	100	1-13
SK40-ER25M-100	35	35	100	2-16
SK40-ER11M-160T	16	16	160	1-7
SK40-ER16M-160T	22	22	160	1-10
SK40-ER20M-160	28	28	160	1-13
SK40-ER25M-160	35	35	160	2-16

RPM
G6.3/15000

Size	D	D1	L	Capacity
SK50-ER16M-70	22	22	70	1-10
SK50-ER20M-70	28	28	70	1-13
SK50-ER25M-70	35	35	70	2-16
SK50-ER16M-100	22	22	100	1-10
SK50-ER20M-100	28	28	100	1-13
SK50-ER25M-100	35	35	100	2-16
SK50-ER16M-160T	22	22	160	1-10
SK50-ER20M-160	28	28	160	1-13
SK50-ER25M-160	35	35	160	2-16

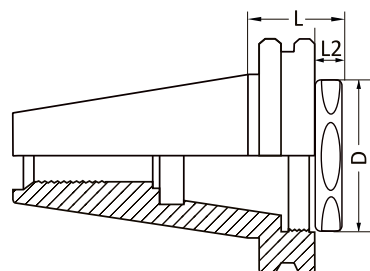
AD/B Customized
T refers to cutter side with taper design

AD/B 可定制
T 代表刀具端锥柄设计

ER Collet Chuck, Shrot

ER 弹簧夹头刀柄, 超短型

 DIN6499	 A ↗ ≤0.003	 RPM G2.5/25000	 AD
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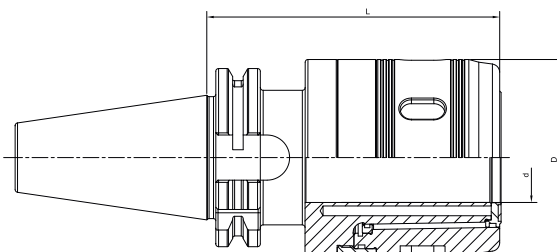


Size	D	L	L1
SK40-ER25-28	29.5	28	8.95
SK40-ER32-28	37.5	28	8.95

Power Milling Chuck

强力铣刀柄

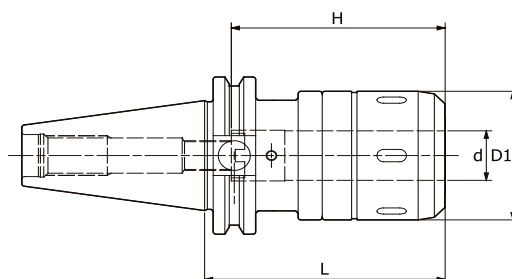
 A ↗ ≤0.008	 AD
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Size	d	D	L	Capacity
SK30-HC20-85	20	50	85	3-16; 20
SK30-HC20-100	20	50	100	3-16; 20
SK40-HC20-85	20	50	85	3-16; 20
SK40-HC25-100	25	59	100	3-20; 25
SK40-HC32-105	32	72	105	3-25; 32
SK50-HC20-105	20	50	105	3-16; 20
SK50-HC25-100	25	59	100	3-20; 25
SK50-HC32-110	32	72	110	3-25; 32
SK50-HC42-110	42	99	110	3-32; 42

Power Milling Chuck

强力铣刀柄



A ↗
≤0.005

AD

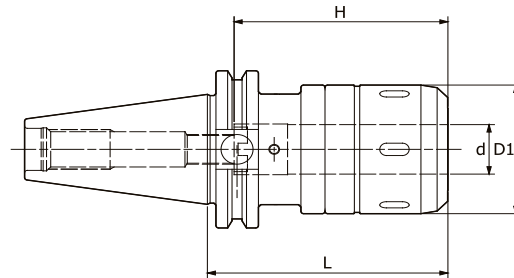
Size	d	D1	L	H	Remark
SK30-CT16SA-90	16	45	90	65	-
SK30-CT16SA-105	16	45	105	65	-
SK30-CT20SA-90	20	52	90	80	-
SK30-CT20SA-105	20	52	105	80	-
SK40-CT16SA-90	16	45	90	65	-
SK40-CT20SA-75	20	52	75	80	4
SK40-CT20SA-90	20	52	90	80	2
SK40-CT20SA-105	20	52	105	80	-
SK40-CT20SA-120	20	52	120	80	-
SK40-CT25SA-105	25	61	105	80	2
SK40-CT25SA-135	25	61	135	80	-
SK40-CT32SA-105	32	73	105	85	1,2
SK40-CT32SA-120	32	73	120	85	1
SK40-CT32SA-135	32	73	135	120	-

- Hex-head screws M4x5 are necessary to plug air hole for center through coolant feed. (included in delivery)
- 1 MC-A Collets cannot be used.
- 2 Form B Standard
- 4 Without undercut (DIN 69871) before flange
- 4 Not suitable for certain M/C

SK

Power Milling Chuck

强力铣刀柄


SK

Size	d	D1	L	H	Remark
SK50-CT16SA-90	16	45	90	65	-
SK50-CT16SA-105	16	45	105	65	1
SK50-CT16SA-135	16	45	135	65	-
SK50-CT20SA-90	20	52	90	80	-
SK50-CT20SA-105	20	52	105	80	1
SK50-CT20SA-120	20	52	120	80	-
SK50-CT20SA-135	20	52	135	80	-
SK50-CT20SA-165	20	52	165	80	-
SK50-CT20SA-200	20	52	200	80	-
SK50-CT20SA-250	20	52	250	80	-
SK50-CT20SA-300	20	52	300	80	-
SK50-CT25SA-105	25	61	105	80	1
SK50-CT25SA-135	25	61	135	80	-
SK50-CT25SA-165	25	61	165	80	-
SK50-CT25SA-200	25	61	200	80	-
SK50-CT25SA-250	25	61	250	80	-
SK50-CT25SA-300	25	61	300	80	-
SK50-CT32SA-95	32	73	95	120	-
SK50-CT32SA-105	32	73	105	120	1
SK50-CT32SA-120	32	73	120	120	-
SK50-CT32SA-135	32	73	135	120	-
SK50-CT32SA-150	32	73	150	120	-
SK50-CT32SA-165	32	73	165	120	-
SK50-CT32SA-200	32	73	200	120	-
SK50-CT32SA-250	32	73	250	120	-
SK50-CT32SA-300	32	73	300	120	-

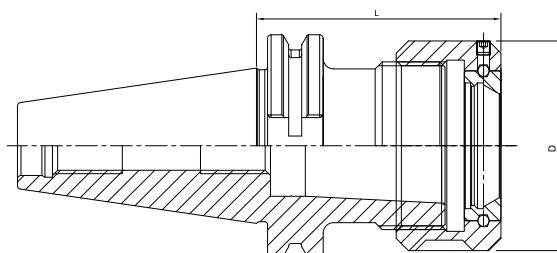
- Hex-head screws M4x5 are necessary to plug air hole for center through coolant feed. (included in delivery)
- 1 MC-A Collets cannot be used.

OZ Collet Chuck

OZ 夹头刀柄



 DIN6391	 A ≤0.005	 RPM G6.3/15000	 AD
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Size	D	L	Capacity
SK40-OZ16-70	43	70	2-16
SK40-OZ25-70	60	70	2-25
SK40-OZ32-90	72	90	4-32
SK40-OZ16-100	43	100	2-16
SK40-OZ25-100	60	100	2-25
SK50-OZ25-70	60	70	2-25
SK50-OZ32-80	72	80	4-32

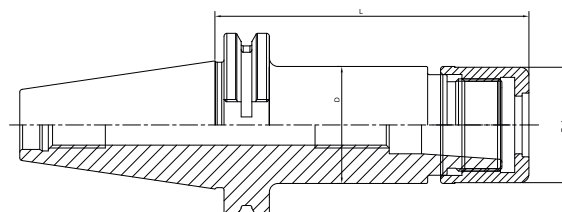
SK

High Speed SKS Collet Chuck

SKS 高速筒夹刀柄



 A ≤0.003	 RPM G2.5/25000	 AD
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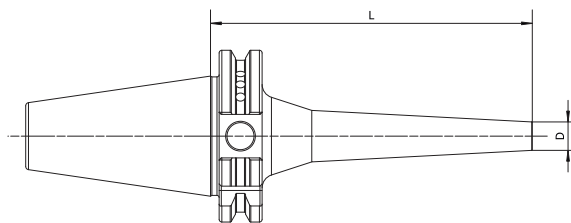


Size	D	D1	L	Capacity	M
SK40-SKS10-60	27.5	27.1	60	2-10	M21.5*1
SK40-SKS16-60	40.6	40	60	3-16	M32*1.5
SK40-SKS10-90	27.5	27.1	90	2-10	M21.5*1
SK40-SKS16-90	40.6	40	90	3-16	M32*1.5
SK40-SKS10-120	27.5	27.1	120	2-10	M21.5*1
SK40-SKS16-120	40.6	40	120	3-16	M32*1.5
SK50-SKS10-105	27.5	27.1	105	2-10	M21.5*1
SK50-SKS16-105	40.6	40	105	3-16	M32*1.5
SK50-SKS10-135	27.5	27.1	135	2-10	M21.5*1
SK50-SKS16-135	40.6	40	135	3-16	M32*1.5
SK50-SKS10-165	27.5	27.1	165	2-10	M21.5*1
SK50-SKS16-165	40.6	40	165	3-16	M32*1.5

Pull Back Collet Chuck

DC 后拉刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD


SK

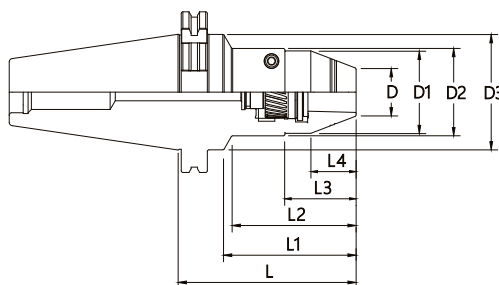
Size	D	L	Capacity
SK30-DC06-60	14	60	1-6
SK30-DC06-90	14	90	1-6
SK30-DC06-120	14	120	1-6
SK30-DC08-60	22	60	1-10
SK30-DC08-90	22	90	1-10
SK30-DC08-120	22	120	1-10
SK30-DC12-80	34	80	1-12
SK40-DC06-60	14	60	1-6
SK40-DC06-90	14	90	1-6
SK40-DC06-120	14	120	1-6
SK40-DC06-150	14	150	1-6
SK40-DC08-60	22	60	1-10
SK40-DC08-90	22	90	1-10
SK40-DC08-120	22	120	1-10
SK40-DC08-150	22	150	1-10
SK40-DC08-200	22	200	1-10
SK40-DC12-90	34	90	1-12
SK40-DC12-120	34	120	1-12
SK40-DC12-150	34	150	1-12
SK40-DC12-200	34	200	1-12
SK50-DC06-110	14	110	1-6
SK50-DC06-150	14	150	1-6
SK50-DC08-110	22	110	1-10
SK50-DC08-150	22	150	1-10
SK50-DC08-200	22	200	1-10
SK50-DC12-120	34	120	1-12
SK50-DC12-150	34	150	1-12
SK50-DC12-200	34	200	1-12

Precision Screw Collet Chuck

NDC 后拉刀柄



A ↗	RPM	
≤0.003	G2.5/25000	AD

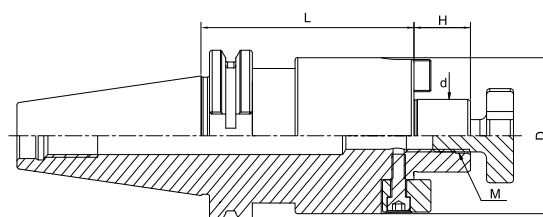
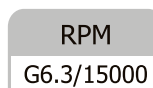
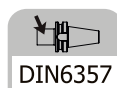


Size	D	D1	D2	D3	L	L1	L2	L3	L4	Capacity
SK40-NDC20-60	40	53	-	-	60	42	30	19	-	4-20
SK50-NDC14-110	25	50	53	70	110	83	76	43	26	4-14

SK

Face Mill Holder

面铣刀柄



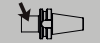
Size	d	D	L	H	M
SK30-FMB16-40	16	38	40	17	M8
SK30-FMB22-40	22	48	40	19	M10
SK30-FMB27-50	27	58	50	21	M12
SK30-FMB32-50	32	78	50	24	M16
SK40-FMB16-35	16	38	35	17	M8
SK40-FMB22-35	22	48	35	19	M10
SK40-FMB27-40	27	58	40	21	M12
SK40-FMB32-50	32	78	50	24	M16
SK40-FMB16-100	16	38	100	17	M8
SK40-FMB22-100	22	48	100	19	M10
SK40-FMB27-100	27	58	100	21	M12
SK40-FMB32-100	32	78	100	24	M16
SK40-FMB16-160	16	38	160	17	M8
SK40-FMB22-160	22	48	160	19	M10
SK40-FMB27-160	27	58	160	21	M12
SK40-FMB32-160	32	78	160	24	M16
SK40-FMB16-200	16	38	200	17	M8
SK40-FMB22-200	22	48	200	19	M10
SK40-FMB27-200	27	58	200	21	M12
SK40-FMB32-200	32	78	200	24	M16
SK40-FMB22-250	22	48	250	19	M10
SK40-FMB27-250	27	58	250	21	M12
SK40-FMB32-250	32	78	250	24	M16
SK40-FMB22-300	22	48	300	19	M10
SK40-FMB27-300	27	58	300	21	M12
SK40-FMB32-300	32	78	300	24	M16

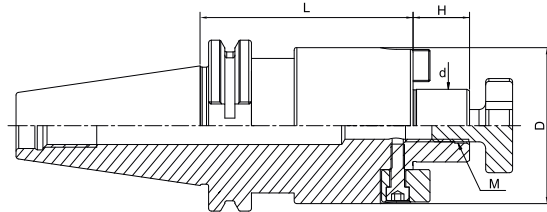
AD/B Customized

AD/B 可定制

Face Mill Holder

面铣刀柄

 DIN6357	 A ≤ 0.005	 RPM G6.3/15000	 AD
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SK

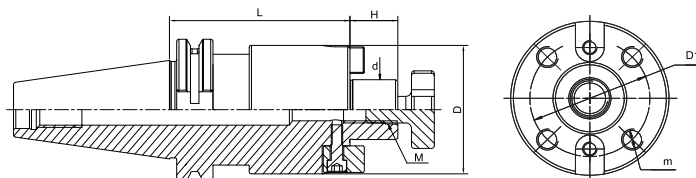
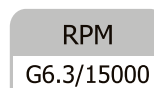
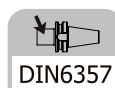
Size	d	D	L	H	M
SK50-FMB16-35	16	38	35	17	M8
SK50-FMB22-35	22	48	35	19	M10
SK50-FMB27-40	27	58	40	21	M12
SK50-FMB32-50	32	78	50	24	M16
SK50-FMB16-100	16	38	100	17	M8
SK50-FMB22-100	22	48	100	19	M10
SK50-FMB27-100	27	58	100	21	M12
SK50-FMB32-100	32	78	100	24	M16
SK50-FMB16-160	16	38	160	17	M8
SK50-FMB22-160	22	48	160	19	M10
SK50-FMB27-160	27	58	160	21	M12
SK50-FMB32-160	32	78	160	24	M16
SK50-FMB16-200	16	38	200	17	M8
SK50-FMB22-200	22	48	200	19	M10
SK50-FMB27-200	27	58	200	21	M12
SK50-FMB32-200	32	78	200	24	M16
SK50-FMB22-250	22	48	250	19	M10
SK50-FMB27-250	27	58	250	21	M12
SK50-FMB32-250	32	78	250	24	M16
SK50-FMB22-300	22	48	300	19	M10
SK50-FMB27-300	27	58	300	21	M12
SK50-FMB32-300	32	78	300	24	M16

AD/B Customized

AD/B 可定制

Face Mill Holder

面铣刀柄



Size	d	D	D1	L	H	M	m
SK40-FMB40-50	40	88	66.7	50	27	M20	M12
SK40-FMB40-100	40	88	66.7	100	27	M20	M12
SK40-FMB40-160	40	88	66.7	160	27	M20	M12
SK40-FMB40-200	40	88	66.7	200	27	M20	M12
SK40-FMB40-250	40	88	66.7	250	27	M20	M12
SK40-FMB40-300	40	88	66.7	300	27	M20	M12
SK50-FMB40-50	40	88	66.7	50	27	M20	M12
SK50-FMB40-100	40	88	66.7	100	27	M20	M12
SK50-FMB40-160	40	88	66.7	160	27	M20	M12
SK50-FMB40-200	40	88	66.7	200	27	M20	M12
SK50-FMB40-250	40	88	66.7	250	27	M20	M12
SK50-FMB40-300	40	88	66.7	300	27	M20	M12

AD/B Customized

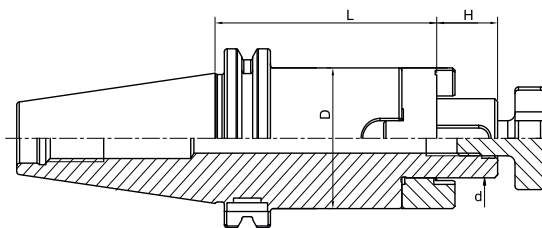
AD/B 可定制

SK

Combi Shell Mill Holder

混合插入式铣刀柄

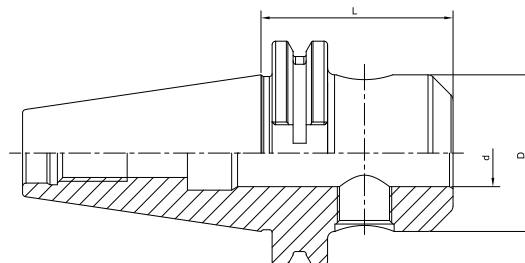
		
DIN6358	≤0.005	RPM G6.3/15000


SK

Size	d	D	l	L
SK30-SEMC16-50	16	32	17	50
SK30-SEMC22-50	22	40	19	50
SK30-SEMC27-55	27	48	21	55
SK30-SEMC32-60	32	58	24	60
SK40-SEMC16-55	16	32	17	55
SK40-SEMC22-55	22	40	19	55
SK40-SEMC27-55	27	48	21	55
SK40-SEMC32-60	32	58	24	60
SK40-SEMC40-60	40	70	27	60
SK40-SEMC16-100	16	32	17	100
SK40-SEMC22-100	22	40	19	100
SK40-SEMC27-100	27	48	21	100
SK40-SEMC32-100	32	58	24	100
SK40-SEMC40-100	40	70	27	100
SK40-SEMC16-160	16	32	17	160
SK40-SEMC22-160	22	40	19	160
SK40-SEMC27-160	27	48	21	160
SK40-SEMC32-160	32	58	24	160
SK40-SEMC40-160	40	70	27	160
SK50-SEMC16-55	16	32	17	55
SK50-SEMC22-55	22	40	19	55
SK50-SEMC27-55	27	48	21	55
SK50-SEMC32-55	32	58	24	60
SK50-SEMC40-55	40	70	27	60
SK50-SEMC16-100	16	32	17	100
SK50-SEMC22-100	22	40	19	100
SK50-SEMC27-100	27	48	21	100
SK50-SEMC32-100	32	58	24	100
SK50-SEMC40-100	40	70	27	100
SK50-SEMC16-160	16	32	17	160
SK50-SEMC22-160	22	40	19	160
SK50-SEMC27-160	27	48	21	160
SK50-SEMC32-160	32	58	24	160
SK50-SEMC40-160	40	70	27	160

End Mill Holder Weldon 侧固刀柄

			
DIN6359/1835B	≤ 0.005	G6.3/15000	AD



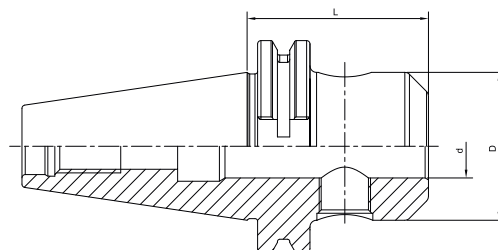
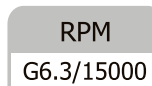
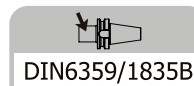
Size	d	D	L	M	Screw Quantity
SK30-SLA06-50	6	25	50	M6	1
SK30-SLA08-50	8	28	50	M8	1
SK30-SLA10-50	10	35	50	M10	1
SK30-SLA12-50	12	42	50	M12	1
SK30-SLA14-63	14	44	63	M12	1
SK30-SLA16-63	16	48	63	M14	1
SK30-SLA18-63	18	50	63	M14	1
SK30-SLA20-70	20	52	70	M16	1

AD/B Customized

AD/B 可定制

SK

End Mill Holder Weldon 侧固刀柄


SK

Size	d	D	L	M	Screw Quantity
SK40-SLA06-50	6	25	50	M6	1
SK40-SLA08-50	8	28	50	M8	1
SK40-SLA10-50	10	35	50	M10	1
SK40-SLA12-50	12	42	50	M12	1
SK40-SLA14-50	14	44	50	M12	1
SK40-SLA16-63	16	48	63	M14	1
SK40-SLA18-63	18	50	63	M14	1
SK40-SLA20-63	20	52	63	M16	1
SK40-SLA25-100	25	65	100	M18*2	2
SK40-SLA32-100	32	72	100	M20*2	2
SK40-SLA40-120	40	80	120	M20*2	2
SK40-SLA06-100	6	25	100	M6	1
SK40-SLA08-100	8	28	100	M8	1
SK40-SLA10-100	10	35	100	M10	1
SK40-SLA12-100	12	42	100	M12	1
SK40-SLA14-100	14	44	100	M12	1
SK40-SLA16-100	16	48	100	M14	1
SK40-SLA18-100	18	50	100	M14	1
SK40-SLA20-100	20	52	100	M16	1
SK40-SLA06-160	6	25	160	M6	1
SK40-SLA08-160	8	28	160	M8	1
SK40-SLA10-160	10	35	160	M10	1
SK40-SLA12-160	12	42	160	M12	1
SK40-SLA14-160	14	44	160	M12	1
SK40-SLA16-160	16	48	160	M14	1
SK40-SLA18-160	18	50	160	M14	1
SK40-SLA20-160	20	52	160	M16	1
SK40-SLA25-160	25	65	160	M18*2	2
SK40-SLA32-160	32	72	160	M20*2	2
SK40-SLA40-160	40	80	160	M20*2	2

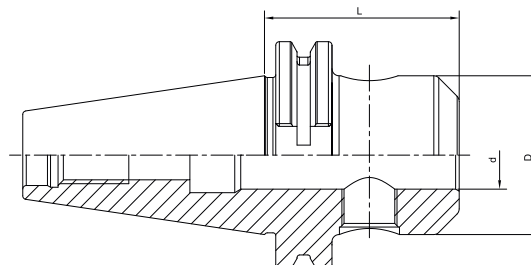
AD/B Customized

AD/B 可定制

End Mill Holder Weldon

侧固刀柄

			
DIN6359/1835B	≤ 0.005	RPM G6.3/15000	AD

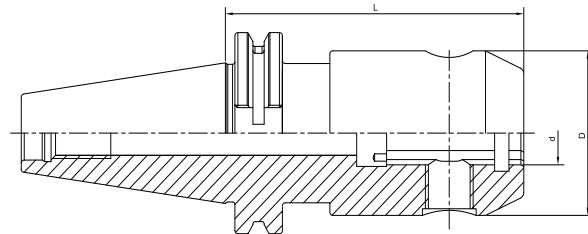


SK

Size	d	D	L	M	Screw Quantity
SK50-SLA06-63	6	25	63	M6	1
SK50-SLA08-63	8	28	63	M8	1
SK50-SLA10-63	10	35	63	M10	1
SK50-SLA12-63	12	42	63	M12	1
SK50-SLA14-63	14	44	63	M12	1
SK50-SLA16-63	16	48	63	M14	1
SK50-SLA18-63	18	50	63	M14	1
SK50-SLA20-63	20	52	63	M16	1
SK50-SLA25-80	25	65	80	M18*2	2
SK50-SLA32-100	32	72	100	M20*2	2
SK50-SLA40-100	40	80	100	M20*2	2
SK50-SLA50-120	50	100	120	M24*2	2
SK50-SLA06-100	6	25	100	M6	1
SK50-SLA08-100	8	28	100	M8	1
SK50-SLA10-100	10	35	100	M10	1
SK50-SLA12-100	12	42	100	M12	1
SK50-SLA14-100	14	44	100	M12	1
SK50-SLA16-100	16	48	100	M14	1
SK50-SLA18-100	18	50	100	M14	1
SK50-SLA20-100	20	52	100	M16	1
SK50-SLA25-120	25	65	120	M18*2	2
SK50-SLA06-160	6	25	160	M6	1
SK50-SLA08-160	8	28	160	M8	1
SK50-SLA10-160	10	35	160	M10	1
SK50-SLA12-160	12	42	160	M12	1
SK50-SLA14-160	14	44	160	M12	1
SK50-SLA16-160	16	48	160	M14	1
SK50-SLA18-160	18	50	160	M14	1
SK50-SLA20-160	20	52	160	M16	1
SK50-SLA25-160	25	65	160	M18*2	2
SK50-SLA32-160	32	72	160	M20*2	2
SK50-SLA40-160	40	80	160	M20*2	2

End Mill Holder with Coolant Channels 侧固刀柄，端面出水型

 DIN6359/1835B	 ≤0.005	 RPM G6.3/15000	 AD
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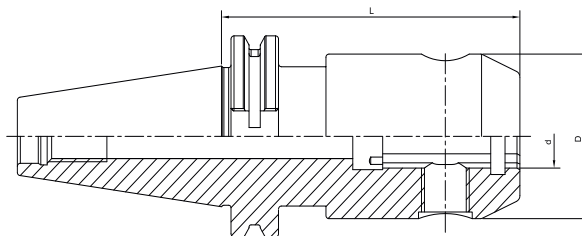
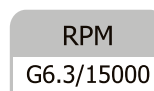
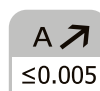
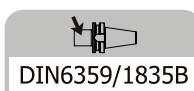


Size	d	D	L	M	Screw Quantity
SK40-SLA06-50K	6	25	50	M6	1
SK40-SLA08-50K	8	28	50	M8	1
SK40-SLA10-50K	10	35	50	M10	1
SK40-SLA12-50K	12	42	50	M12	1
SK40-SLA14-50K	14	44	50	M12	1
SK40-SLA16-63K	16	48	63	M14	1
SK40-SLA18-63K	18	50	63	M14	1
SK40-SLA20-63K	20	52	63	M16	1
SK40-SLA25-100K	25	65	100	M18*2	2
SK40-SLA32-100K	32	72	100	M20*2	2
SK40-SLA40-120K	40	80	120	M20*2	2
SK40-SLA06-100K	6	25	100	M6	1
SK40-SLA08-100K	8	28	100	M8	1
SK40-SLA10-100K	10	35	100	M10	1
SK40-SLA12-100K	12	42	100	M12	1
SK40-SLA14-100K	14	44	100	M12	1
SK40-SLA16-100K	16	48	100	M14	1
SK40-SLA18-100K	18	50	100	M14	1
SK40-SLA20-100K	20	52	100	M16	1

AD/B Customized

AD/B 可定制

End Mill Holder with Coolant Channels 侧固刀柄，端面出水型



Size	d	D	L	M	Screw Quantity
SK50-SLA06-63K	6	25	63	M6	1
SK50-SLA08-63K	8	28	63	M8	1
SK50-SLA10-63K	10	35	63	M10	1
SK50-SLA12-63K	12	42	63	M12	1
SK50-SLA16-63K	16	48	63	M14	1
SK50-SLA18-63K	18	50	63	M14	1
SK50-SLA20-63K	20	52	63	M16	1
SK50-SLA25-80K	25	65	80	M18*2	2
SK50-SLA32-100K	32	72	100	M20*2	2
SK50-SLA40-100K	40	80	100	M20*2	2
SK50-SLA06-100K	6	25	100	M6	1
SK50-SLA08-100K	8	28	100	M8	1
SK50-SLA10-100K	10	35	100	M10	1
SK50-SLA12-100K	12	42	100	M12	1
SK50-SLA14-100K	14	44	100	M12	1
SK50-SLA16-100K	16	48	100	M14	1
SK50-SLA18-100K	18	50	100	M14	1
SK50-SLA20-100K	20	52	100	M16	1
SK50-SLA25-120K	25	65	120	M18*2	2

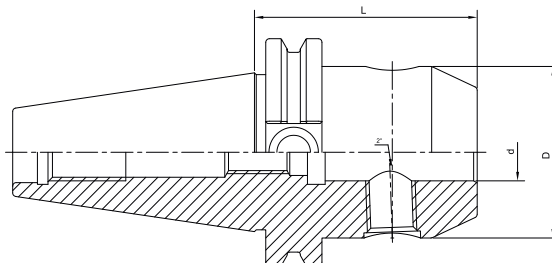
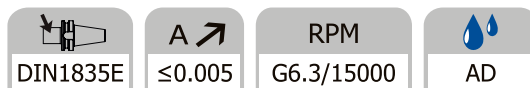
AD/B Customized

AD/B 可定制

SK

End Mill Holder Whistle Notch

侧固式铣刀柄，斜 2 度



SK

Size	d	D	L	M	Screw Quantity
SK40-SLB06-50	6	25	50	M6	1
SK40-SLB08-50	8	28	50	M8	1
SK40-SLB10-50	10	35	50	M10	1
SK40-SLB12-50	12	42	50	M12	1
SK40-SLB14-50	14	44	50	M12	1
SK40-SLB16-63	16	48	63	M14	1
SK40-SLB18-63	18	50	63	M14	1
SK40-SLB20-63	20	52	63	M16	1
SK40-SLB25-100	25	65	100	M18*2	2
SK40-SLB32-100	32	72	100	M20*2	2
SK40-SLB40-120	40	80	120	M20*2	2
SK50-SLB06-63	6	25	63	M6	1
SK50-SLB08-63	8	28	63	M8	1
SK50-SLB10-63	10	35	63	M10	1
SK50-SLB12-63	12	42	63	M12	1
SK50-SLB14-63	14	44	63	M12	1
SK50-SLB16-63	16	48	63	M14	1
SK50-SLB18-63	18	50	63	M14	1
SK50-SLB20-63	20	52	63	M16	1
SK50-SLB25-80	25	65	80	M18*2	2
SK50-SLB32-100	32	72	100	M20*2	2
SK50-SLB40-100	40	80	100	M20*2	2
SK50-SLB50-125	50	100	125	M24*2	2

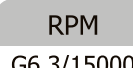
AD/B Customized

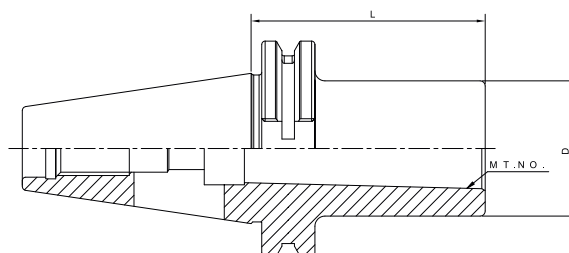
AD/B 可定制

Morse Taper Adapter with Tang

带扁尾莫氏刀柄



		
DIN6383	≤ 0.005	RPM G6.3/15000



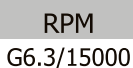
Size	MT. NO.	D	L
SK30-MTA1-50	1	25	50
SK30-MTA2-65	2	32	65
SK30-MTA3-80	3	40	80
SK40-MTA1-50	1	25	50
SK40-MTA2-50	2	32	50
SK40-MTA3-70	3	40	70
SK40-MTA4-95	4	48	95
SK50-MTA1-45	1	25	45
SK50-MTA2-60	2	32	60
SK50-MTA3-65	3	40	65
SK50-MTA4-95	4	48	95
SK50-MTA5-105	5	63	105

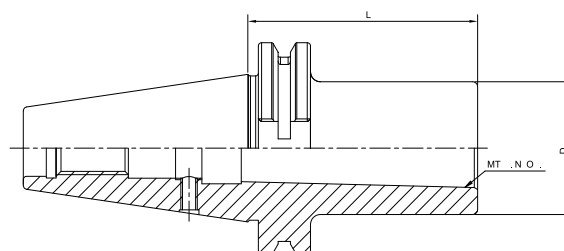
SK

Morse Taper Adapter with Drawbar

带螺纹孔莫氏刀柄



		
DIN6364	≤ 0.005	RPM G6.3/15000

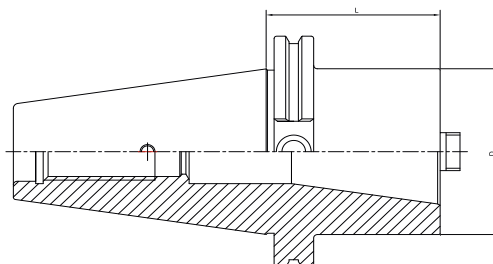


Size	MT. NO.	D	L
SK40-MTB1-50	1	25	50
SK40-MTB2-50	2	32	50
SK40-MTB3-70	3	40	70
SK40-MTB4-95	4	48	95
SK50-MTB1-45	1	25	45
SK50-MTB2-60	2	32	60
SK50-MTB3-65	3	40	65
SK50-MTB4-70	4	48	70
SK50-MTB5-100	5	63	100

Tool Holder Adapter Sleeve

转换刀柄

A ↗	RPM
≤0.005	G6.3/15000

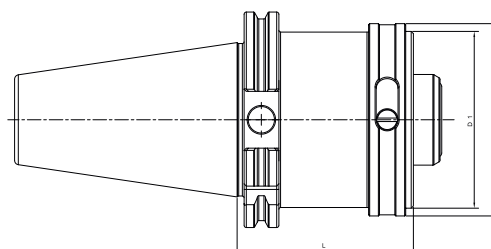


Size	L	D
SK40-SK30-50	50	50
SK40-SK40-100	100	63
SK50-SK40-70	70	70
SK50-SK50-120	120	97

Tool Holder Adapter Sleeve

转换刀柄

A ↗	AD
≤0.005	AD



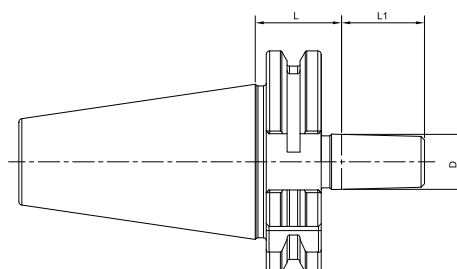
Size	D1	D2	L
SK30-HSK32C-40	32	37	40
SK30-HSK40C-60	40	45	60
SK40-HSK32C-40	32	37	40
SK40-HSK40C-40	40	45	40
SK40-HSK50C-60	50	55	60
SK40-HSK63C-75	63	70	75
SK50-HSK32C-40	32	37	40
SK50-HSK40C-40	40	45	40
SK50-HSK50C-40	50	55	40
SK50-HSK63C-40	63	70	40
SK50-HSK80C-80	80	87	80
SK50-HSK100C-95	100	110	95

Drill Chuck Adapter

钻接杆



		
DIN238	≤0.005	RPM G6.3/15000

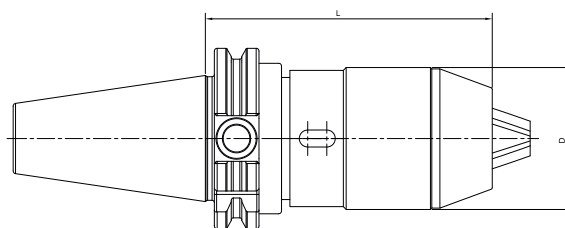


Size	D	L1	L
SK30-B12	B12	18.5	25
SK30-B16	B16	24	25
SK40-B12	B12	18.5	25
SK40-B16	B16	24	25
SK40-B18	B18	32	25
SK50-B12	B12	18.5	25
SK50-B16	B16	24	25
SK50-B18	B18	32	25

SK

APU Drill Chuck Holder

APU 钻夹头刀柄

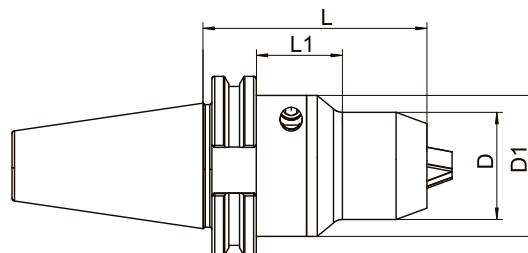


Size	D	L	Capacity
SK30-APU8-80	38	80	1-8
SK30-APU13-120	48	120	1-13
SK30-APU16-130	53	130	3-16
SK40-APU08-85	38	85	1-8
SK40-APU13-100	48	100	1-13
SK40-APU16-110	53	110	3-16
SK50-APU8-75	38	75	1-8
SK50-APU13-100	48	100	1-13
SK50-APU16-100	53	100	3-16

Precision Drill Chuck Holder

精密钻夹头刀柄

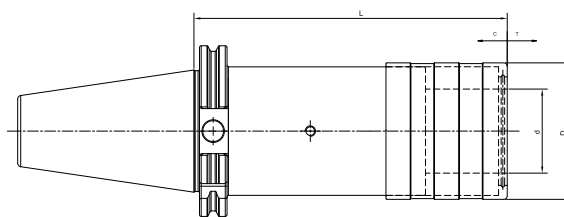
A ↗	RPM
≤0.03	G6.3/15000



Size	D	D1	L	L1	Capacity
SK40-CPU10-80	38	50	80	28.9	1-10
SK40-CPU13-90	50	-	90	-	1-13
SK40-CPU16-90	50	-	90	-	1-16
SK50-CPU13-100	50	-	100	-	1-13
SK50-CPU16-100	50	-	100	-	1-16

Quick Change Tapping Chuck with Length Compensation

弹性快换攻丝刀柄



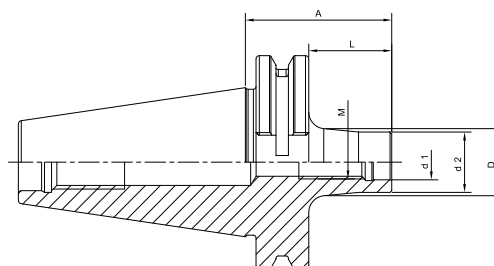
Size	D	d	L	T	C
SK30-TC312-65	36	19	65	7.5	7.5
SK30-TC820-99	54	31	99	12.5	12.5
SK40-TC312-59	36	19	59	7.5	7.5
SK40-TC820-97	54	31	97	12.5	12.5
SK40-TC1433-156	78	48	156	22	22
SK50-TC312-63	36	19	63	7.5	7.5
SK50-TC820-97	54	31	97	12.5	12.5
SK50-TC1433-140	78	48	140	22	22

Screw-in Milling Cutter Holder

锁牙刀柄, 锥柄型



A ↗	RPM	
≤0.005	G6.3/15000	AD



Size	M	d1	d2	A	L	D
SK40-SOM08-44 L=25	8	8.5	14.5	44	25	15
SK40-SOM08-69 L=50	8	8.5	14.5	69	50	23
SK40-SOM08-94 L=75	8	8.5	14.5	94	75	23
SK40-SOM08-119 L=100	8	8.5	14.5	119	100	25
SK40-SOM10-24 L=5	10	10.5	18	24	5	18
SK40-SOM10-44 L=25	10	10.5	18	44	25	20
SK40-SOM10-69 L=50	10	10.5	18	69	50	23
SK40-SOM10-94 L=75	10	10.5	18	94	75	28
SK40-SOM10-119 L=100	10	10.5	18	119	100	32
SK40-SOM10-169 L=150	10	10.5	18	169	150	36.5
SK40-SOM12-24 L=5	12	12.5	21	24	5	21
SK40-SOM12-44 L=25	12	12.5	21	44	25	24
SK40-SOM12-69 L=50	12	12.5	21	69	50	24
SK40-SOM12-94 L=75	12	12.5	21	94	75	31
SK40-SOM12-119 L=100	12	12.5	21	119	100	33
SK40-SOM12-144 L=125	12	12.5	21	144	125	36
SK40-SOM12-169 L=150	12	12.5	21	169	150	40
SK40-SOM16-24 L=5	16	17	29	24	5	29
SK40-SOM16-44 L=25	16	17	29	44	25	29
SK40-SOM16-69 L=50	16	17	29	69	50	34
SK40-SOM16-94 L=75	16	17	29	94	75	34
SK40-SOM16-119 L=100	16	17	29	119	100	36
SK40-SOM16-144 L=125	16	17	29	144	125	40
SK40-SOM16-169 L=150	16	17	29	169	150	42.5

SK



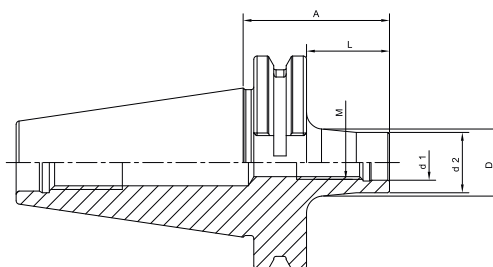
Bright-tools

BRIGHT-TOOLS

TOOL HOLDER DIN 69871

Screw-in Milling Cutter Holder**锁牙刀柄, 锥柄型**

A ↗	RPM	
≤0.005	G6.3/15000	AD

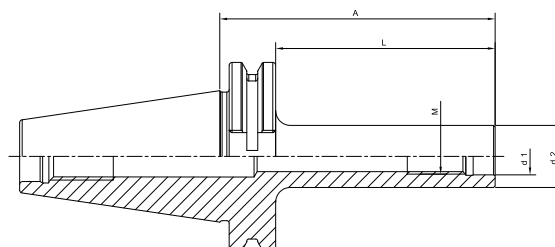
**SK**

Size	M	d1	d2	A	L	D
SK50-SOM08-69 L=50	8	8.5	14.5	69	50	23
SK50-SOM08-119 L=100	8	8.5	14.5	119	100	25
SK50-SOM08-169 L=150	8	8.5	14.5	169	150	30
SK50-SOM10-69 L=50	10	10.5	18	69	50	23
SK50-SOM10-119 L=100	10	10.5	18	119	100	32
SK50-SOM10-169 L=150	10	10.5	18	169	150	36.5
SK50-SOM12-69 L=50	12	12.5	21	69	50	24
SK50-SOM12-119 L=100	12	12.5	21	119	100	33
SK50-SOM12-169 L=150	12	12.5	21	169	150	40
SK50-SOM16-69 L=50	16	17	29	69	50	34
SK50-SOM16-119 L=100	16	17	29	119	100	36
SK50-SOM16-169 L=150	16	17	29	169	150	42.5

Screw-in Milling Cutter Holder

锁牙刀柄, 直柄型

A ↗	RPM	
≤0.005	G6.3/15000	AD



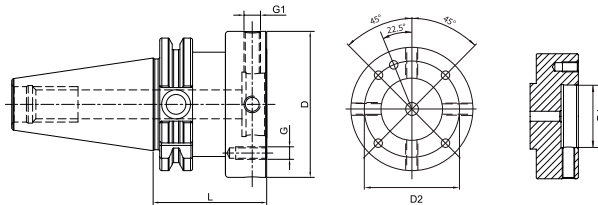
Size	M	d1	d2	A	L
SK40-M10-119 L=100	10	10.5	18	119	100
SK40-M10-169 L=150	10	10.5	18	169	150
SK40-M12-119 L=100	12	12.5	21	119	100
SK40-M12-144 L=125	12	12.5	21	144	125
SK40-M12-169 L=150	12	12.5	21	169	150
SK40-M16-119 L=100	16	17	29	119	100
SK40-M16-144 L=125	16	17	29	144	125
SK40-M16-169 L=150	16	17	29	169	150
SK50-M10-119 L=100	10	10.5	18	119	100
SK50-M10-169 L=150	10	10.5	18	169	150
SK50-M12-119 L=100	12	12.5	21	119	100
SK50-M12-169 L=150	12	12.5	21	169	150
SK50-M16-119 L=100	16	17	29	119	100
SK50-M16-169 L=150	16	17	29	169	150

SK

Runout Adjustable Flange Adapter

可调节精度法兰刀柄

A ↗	RPM	
≤0.002	G2.5/25000	AD

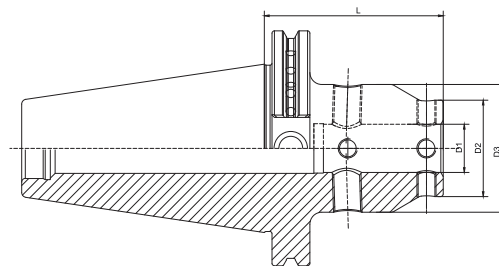


Size	D	D1	D2	L	G	G1
SK30-MOD060-050	60	30	44	50	M5	M8x1
SK30-MOD070-050	70	35	53	50	M6	M8x1
SK40-MOD060-050	60	30	44	50	M5	M8x1
SK40-MOD070-050	70	35	53	50	M6	M8x1
SK40-MOD080-055	80	40	63	55	M6	M8x1
SK40-MOD100-060	100	50	79	60	M8	M10x1
SK50-MOD060-050	60	30	44	50	M5	M8x1
SK50-MOD070-050	70	35	53	50	M6	M8x1
SK50-MOD080-050	80	40	63	50	M6	M8x1
SK50-MOD100-060	100	50	79	60	M8	M10x1
SK50-MOD117-060	117	60	96	60	M8	M10x1
SK50-MOD140-060	140	80	119	60	M10	M10x1

UM Adjustable Tool Holder

UM 调零刀柄

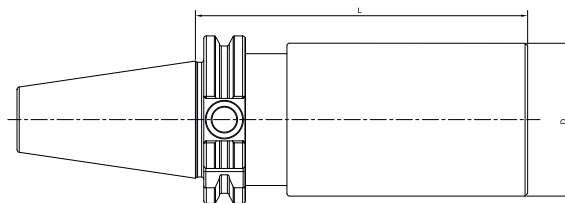
A ↗	RPM	
≤0.003	G2.5/25000	AD



Size	D1	D2	D3	L
SK40-UM12-65	12	28	44.5	65
SK40-UM16-65	16	32	48	65
SK40-UM20-85	20	40	53	85
SK40-UM25-100	25	48	63	100
SK40-UM32-105	32	52	63	105
SK50-UM12-65	12	28	44.5	65
SK50-UM16-65	16	32	48	65
SK50-UM20-75	20	40	53	75
SK50-UM25-85	25	48	63	85
SK50-UM32-90	32	52	63	90

Boring Bar Blank

基础柄



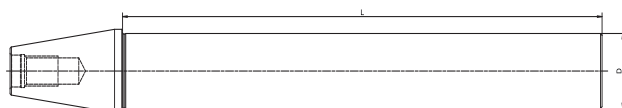
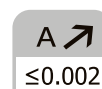
Size	D	L
SK30-D50-200	50	200
SK40-D50-200	50	200
SK40-D50-250	50	250
SK40-D63-250	63	250
SK50-D100-160	100	160
SK50-D100-250	100	250

Other sizes can be made by request.

SK

Test Arbor

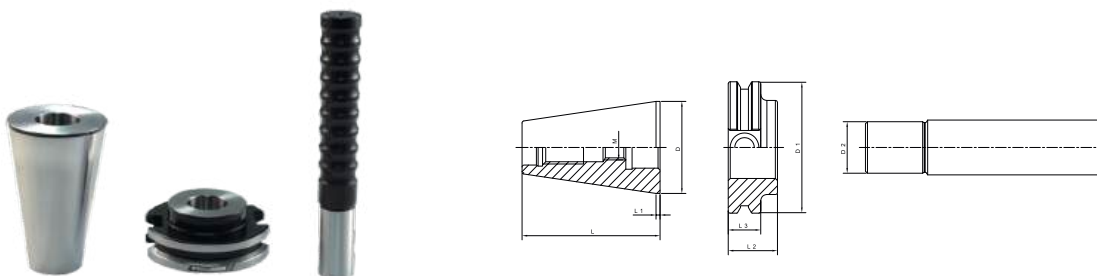
主轴检测棒



Size	D	L
SK30-32-250	32	250
SK40-40-300	40	300
SK50-50-300	50	300

Alignment Tool for ATC Arm

调整机械手用组合模具



Size	D	D1	D2	L	L1	L2	L3	M
SK30-ATC-18D	31.75	50	18	51	3.2	20	15.9	M12
SK40-ATC-20D	44.45	63.55	20	71.6	3.2	25	15.9	M12
SK50-ATC-28D	69.85	97.5	28	104.95	3.2	35	15.9	M16

Usage:

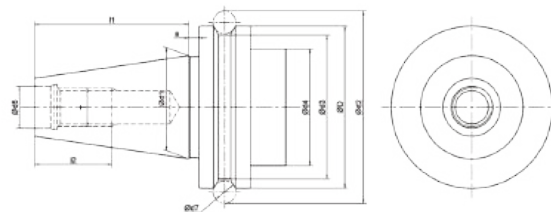
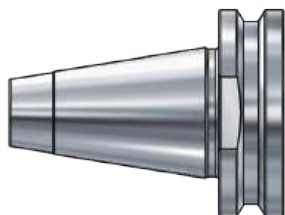
- 1) Put the Taper to the machine Spindle
- 2) Install flange to the ATC arm
- 3) Insert Pin into the flange
- 4) Adjust ATC arm and make sure the pin front part into the flange completely.

ISO

TOOL HOLDERS

ISO Taper Standard

ISO 锥柄标准



ISO

Size	D	d1	d2	d3	d4	d5	d7	l1	l2
ISO30	50	31.75	59.3	44.3	45	13	7	47.8	24
ISO40	63.55	44.45	72.3	56.25	50	17	7	68.4	32

Material: Alloyed case hardened steel

Surface Treatment: Blackening and Bright

Taper tolerance: <AT3

Hardness: HRC 56-60

Carbon depth: 0.8±0.2mm

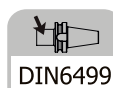
Surface Roughness: Ra<0.2μm

Balancing: G2.5/25000

Cooling: AD

ER Collet Chuck without Drive Slots

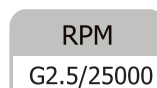
ER 弹簧夹头刀柄



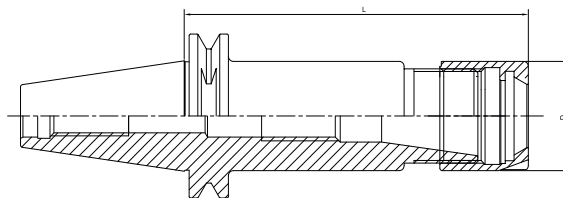
DIN6499



≤0.003

RPM
G2.5/25000

AD

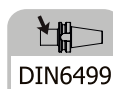


Size	D	L	Capacity
ISO10-ER11-25	19	25	1-7
ISO20-ER16-35	28	35	1-10
ISO20-ER20-35	34	35	1-13
ISO25-ER16-35	28	35	1-10
ISO25-ER20-35	34	35	1-13
ISO30-ER16-50	28	50	1-10
ISO30-ER20-50	34	50	1-13

ISO

ER Collet Chuck without Drive Slots

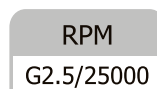
ER 弹簧夹头刀柄



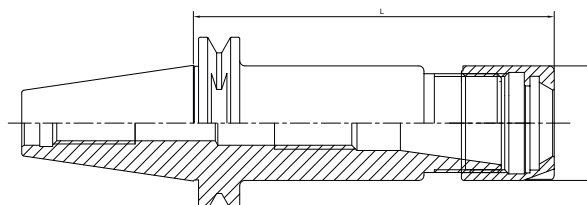
DIN6499



≤0.003

RPM
G2.5/25000

AD

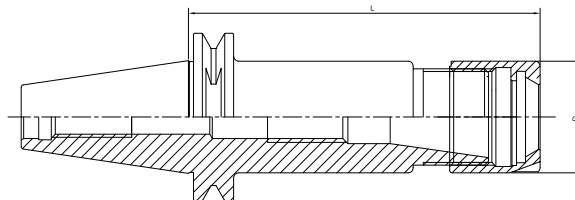


Size	D	L	Capacity
ISO20-ER16MS-35	22	35	1-10
ISO20-ER20MS-35	28	35	1-13
ISO25-ER16MS-35	22	35	1-10
ISO25-ER20MS-35	28	35	1-13
ISO25-ER25MS-35	35	35	2-16

ER Collet Chuck without Drive Slots

ER 弹簧夹头刀柄

 DIN6499	 A ↗ ≤0.003	 RPM G2.5/25000	 AD
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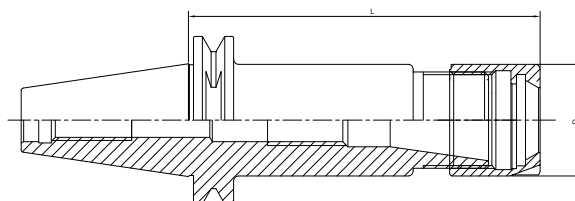
Size	D	L	Capacity
ISO25-ER25-35	42	35	2-16
ISO30-ER25-50	42	50	2-16
ISO30-ER32-50	50	50	2-20
ISO30-ER40-60	63	60	3-26

ISO

ER Collet Chuck without Drive Slots

ER 弹簧夹头刀柄

 DIN6499	 A ↗ ≤0.003	 RPM G2.5/25000	 AD
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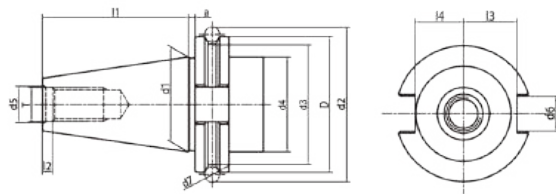
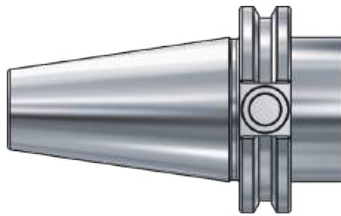
Size	D	L	Capacity
ISO10-ER11M-25	16	25	1-7
ISO20-ER20M-35	28	35	1-13
ISO25-ER20M-35	28	35	1-13
ISO30-ER25M-50	35	50	2-16

CAT

TOOL HOLDERS

CAT Taper Standard

CAT 锥柄标准



Size	D	d1	d2	d3	d4	d5	d6	d7	l1	l2	l3	l4	l5	T
CAT30	1.812	1.25	2.176	1.531	1.25	0.516	0.645	0.2813	1.875	0.188	0.735	0.64	0.44	1/2-13
CAT40	2.500	1.75	2.863	2.219	1.75	0.641	0.645	0.2813	2.687	0.188	0.985	0.89	0.44	5/8-11
CAT50	3.875	2.75	4.238	3.594	2.75	1.020	1.020	0.2813	4.000	0.250	1.485	1.39	0.44	1-8

Taper standard: ANSI B5.50

Material: Alloyed case hardened steel

Surface Treatment: Blackening and Bright

Taper tolerance: <AT3

Hardness: HRC 56-60

Carbon depth: 0.8±0.2mm

Surface Roughness: Ra<0.2μm

Balancing: G6.3/15000; G2.5/25000

Cooling: AD; AD/B can be made by request.

CAT

CAT TOOLING SYSTEM

CAT 工具系统

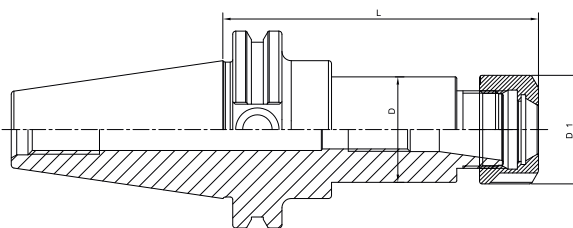
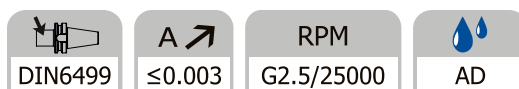
ER Collet Chuck	E.04
ER弹簧夹头刀柄	E.04
Power Milling Chuck.....	E.07
强力铣刀柄	E.07
TG Collet Chuck.....	E.07
TG 超强力刀柄	E.07
Face Mill Holder	E.08
面铣刀柄.....	E.08
End Mill Holder.....	E.09
侧固刀柄.....	E.09
Morse Taper Adapter	E.14
带扁尾莫氏刀柄.....	E.14
Tool Holder Adapter Sleeve	E.14
转换刀柄	E.14
Drill Chuck Adapter	E.15
钻接杆	E.15
APU Drill Chuck Holder	E.15
APU钻夹头刀柄.....	E.15
Precision Drill Chuck Holder	E.16
精密钻夹头刀柄	E.16
Quick Change Tapping Chuck	E.16
弹性快换攻丝刀柄	E.16
Screw-in Milling Cutter Holder.....	E.17
SOM 锁牙刀柄	E.17
Runout Adjustable Flange Adapter.....	E.20
可调节精度法兰刀柄	E.20
UM Adjustable	E.20
UM调零刀柄	E.20
Boring Bar Blank	E.21
基础柄	E.21
Test Arbor	E.21
主轴检测棒	E.21
Alignment Tool for ATC Arm	E.22
调整机械手用组合模具	E.22



CAT

ER Collet Chuck with UM Nut

ER 弹簧夹头刀柄

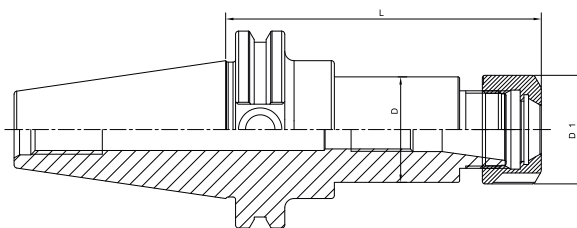
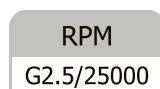
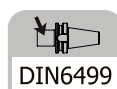


Size	D	D1	L	Capacity
CAT40-ER16UM-2.5"	44.45	32	2.5"	1-10
CAT40-ER20UM-2.5"	34	35	2.5"	1-13
CAT40-ER25-2.5"	42	42	2.5"	2-16
CAT40-ER32-2.5"	44.45	50	2.5"	2-20
CAT40-ER40-3"	50	63	3"	3-26
CAT40-ER16UM-4"	28	32	4"	1-10
CAT40-ER20UM-4"	34	35	4"	1-13
CAT40-ER25-4"	42	42	4"	2-16
CAT40-ER32-4"	44.45	50	4"	2-20
CAT40-ER40-4"	50	63	4"	3-26
CAT40-ER16UM-6"	28	32	6"	1-10
CAT40-ER20UM-6"	34	35	6"	1-13
CAT40-ER25-6"	42	42	6"	2-16
CAT40-ER32-6"	44.45	50	6"	2-20
CAT40-ER40-6"	50	63	6"	3-26
CAT40-ER16UM-8"	28	32	8"	1-10
CAT40-ER20UM-8"	34	35	8"	1-13
CAT40-ER25-8"	42	42	8"	2-16
CAT40-ER32-8"	44.45	50	8"	2-20
CAT40-ER40-8"	50	63	8"	3-26

CAT

ER Collet Chuck with UM Nut

ER 弹簧夹头刀柄



Size	D	D1	L	Capacity
CAT50-ER16UM-2"	28	32	2"	1-10
CAT50-ER20UM-2"	34	35	2"	1-13
CAT50-ER25-2"	32	42	2"	2-16
CAT50-ER32-2"	44.45	50	2"	2-20
CAT50-ER16UM-4"	28	32	4"	1-10
CAT50-ER20UM-4"	34	35	4"	1-13
CAT50-ER25-4"	42	42	4"	2-16
CAT50-ER32-4"	50	50	4"	2-20
CAT50-ER40-4"	63	63	4"	3-26
CAT50-ER50-4"	78	78	4"	6-34
CAT50-ER16UM-6"	28	32	6"	1-10
CAT50-ER20UM-6"	34	35	6"	1-13
CAT50-ER25-6"	42	42	6"	2-16
CAT50-ER32-6"	50	50	6"	2-20
CAT50-ER40-6"	63	63	6"	3-26
CAT50-ER16UM-8"	28	32	8"	1-10
CAT50-ER20UM-8"	34	35	8"	1-13
CAT50-ER25-8"	42	42	8"	2-16
CAT50-ER32-8"	50	50	8"	2-20
CAT50-ER40-8"	63	63	8"	3-26

CAT



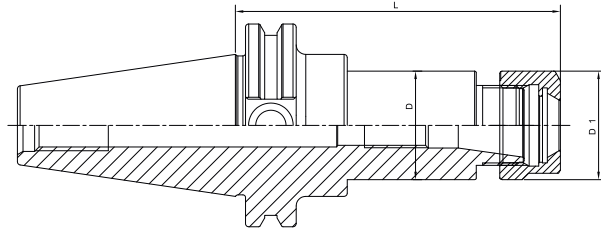
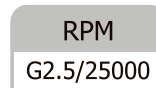
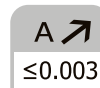
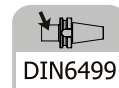
Bright-tools

BRIGHT-TOOLS

TOOL HOLDER ANSI B5.50

ER Collet Chuck with Hex Nut

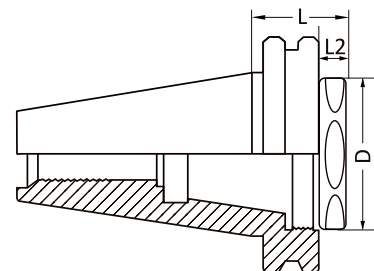
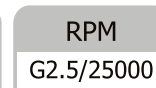
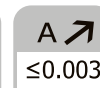
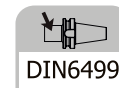
ER 弹簧夹头刀柄



Size	D	D1	L	Capacity
CAT40-ER11-2.5"	19	19	2.5"	1-7
CAT40-ER16-2.5	44.45	28	2.5"	1-10
CAT40-ER20-2.5	34	34	2.5"	1-13
CAT40-ER11-4"	19	19	4"	1-7
CAT40-ER16-4"	28	28	4"	1-10
CAT40-ER20-4"	34	34	4"	1-13
CAT40-ER11-6"	19	19	6"	1-7
CAT40-ER16-6"	28	28	6"	1-10
CAT40-ER20-6"	34	34	6"	1-13
CAT40-ER16-8"	28	28	8"	1-10
CAT40-ER20-8"	34	34	8"	1-13
CAT50-ER16-2"	28	28	2"	1-10
CAT50-ER20-2"	34	34	2"	1-13
CAT50-ER16-4"	28	28	4"	1-10
CAT50-ER20-4"	34	34	4"	1-13
CAT50-ER16-6"	28	28	6"	1-10
CAT50-ER20-6"	34	34	6"	1-13
CAT50-ER16-8"	28	28	8"	1-10
CAT50-ER20-8"	34	34	8"	1-13

ER Collet Chuck, Short

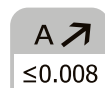
ER 弹簧夹头刀柄, 超短型



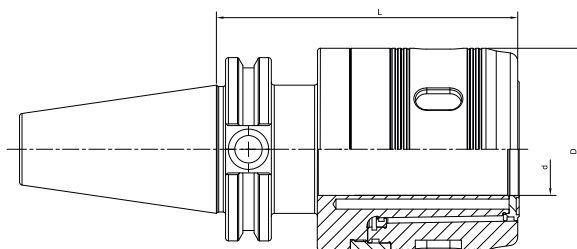
Size	D	L	L1
CAT40-ER25-1.1"	29.5	1.1"	0.35"
CAT40-ER32-1.1"	37.5	1.1"	0.35"

Power Milling Chuck

强力铣刀柄



 ≤ 0.008

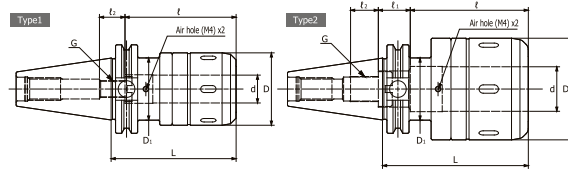

AD


Size	d	D	L	Collet
CAT40-HC3/4"-4"	3/4"	50	4"	C3/4"
CAT40-HC1"-4"	1"	59	4"	C1"
CAT40-HC1-1/4"-5"	1.25"	70	5"	C1-1/4"
CAT50-HC3/4"-4"	3/4"	50	4"	C3/4"
CAT50-HC1"-4"	1"	59	4"	C1"
CAT50-HC1-1/4"-4"	1.25"	70	4"	C1-1/4"

CAT

Power Milling Chuck

强力铣刀柄



CAT

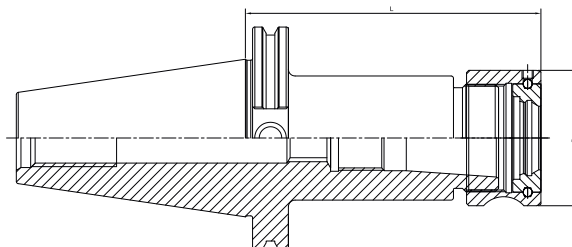
Size	Type	d	D	D1	L	ℓ	ℓ_1	ℓ_2	G
CAT40-CT16SA-90	1	0.630	1.772	1.750	3.543	2.559	-	0.787	BL16
CAT40-CT20SA-90	1	0.787	2.047	1.750	3.543	3.150	-	0.591	BL20
CAT40-CT20SA-105	1	0.787	2.047	1.750	4.134	3.150	-	0.591	BL20
CAT40-CT20SA-120	1	0.787	2.047	1.750	4.724	3.150	-	0.591	BL20
CAT40-CT25SA-105	1	0.984	2.402	1.750	4.134	3.150	-	0.591	BL20
CAT40-CT25SA-120	1	0.984	2.402	1.750	4.724	3.150	-	0.591	BL20
CAT40-CT25SA-135	1	0.984	2.402	1.750	5.315	3.150	-	0.591	BL20
CAT40-CT32SA-105	2	1.260	2.874	1.750	4.134	3.346	0.906	0.787	BL32
CAT40-CT32SA-120	2	1.260	2.874	1.750	4.724	3.346	0.906	0.787	BL32
CAT40-CT32SA-135	2	1.260	2.874	1.750	5.315	4.724	-	0.787	BL32
CAT50-CT16SA-90	1	0.630	1.772	2.750	3.543	2.559	-	0.787	BL16
CAT50-CT16SA-105	1	0.630	1.772	2.750	4.134	2.559	-	0.787	BL16
CAT50-CT20SA-90	1	0.787	2.047	2.750	3.543	3.150	-	0.591	BL20
CAT50-CT20SA-105	1	0.787	2.047	2.750	4.134	3.150	-	0.591	BL20
CAT50-CT20SA-135	1	0.787	2.047	2.750	5.315	3.150	-	0.591	BL20
CAT50-CT25SA-105	1	0.984	2.402	2.750	4.134	3.150	-	0.591	BL20
CAT50-CT25SA-135	1	0.984	2.402	2.750	5.315	3.150	-	0.591	BL20
CAT50-CT25SA-165	1	0.984	2.402	2.750	6.496	3.150	-	0.591	BL20
CAT50-CT32SA-95	1	1.260	2.874	2.750	3.740	4.724	-	0.787	BL32
CAT50-CT32SA-105	1	1.260	2.874	2.750	4.134	4.724	-	0.787	BL32
CAT50-CT32SA-120	1	1.260	2.874	2.750	4.724	4.724	-	0.787	BL32
CAT50-CT32SA-135	1	1.260	2.874	2.750	5.315	4.724	-	0.787	BL32
CAT50-CT32SA-150	1	1.260	2.874	2.750	5.906	4.724	-	0.787	BL32
CAT50-CT32SA-165	1	1.260	2.874	2.750	6.496	4.724	-	0.787	BL32
CAT50-CT42SA-105	1	1.654	3.465	2.750	4.134	4.724	-	0.787	BL32
CAT50-CT42SA-120	1	1.654	3.465	2.750	4.724	4.724	-	0.787	BL32
CAT50-CT42SA-135	1	1.654	3.465	2.750	5.315	4.724	-	0.787	BL32
CAT50-CT42SA-150	1	1.654	3.465	2.750	5.906	4.724	-	0.787	BL32
CAT50-CT42SA-165	1	1.654	3.465	2.750	6.496	4.724	-	0.787	BL32

TG Collet Chuck

TG 超强力刀柄



A ↗ ≤0.005	RPM G2.5/20000	AD
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Size	D	L	Collet	Capacity
CAT40-TG75-2.54"	1.968"	2.54"	TG 75	0.094 - 0.75"
CAT40-TG100-2.76"	2.362"	2.76"	TG 100	0.094 - 1.0"

RPM G6.3/15000

Size	D	L	Collet	Capacity
CAT50-TG75-2.54"	1.968"	2.54"	TG 75	0.094 - 0.75"
CAT50-TG100-3.26"	2.362"	3.26"	TG 100	0.094 - 1.0"

CAT



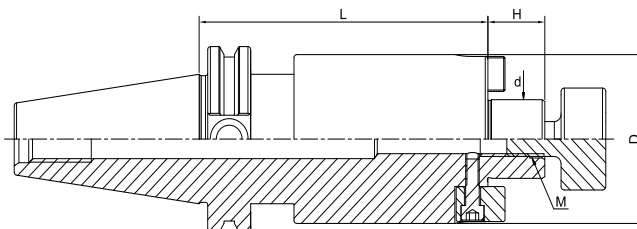
Bright-tools

BRIGHT-TOOLS

TOOL HOLDER ANSI B5.50

Face Mill Holder Inch**英制面铣刀柄**

A ↗	RPM
≤0.005	G2.5/25000

**CAT**

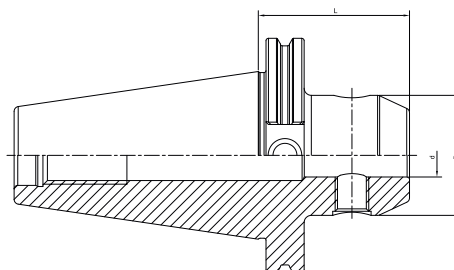
Size	d	D	L	H	M
CAT40-FMA1/2"-1.75"	1/2"	36.576	1.75"	13.97	1/4-28
CAT40-FMA3/4"-1.75"	3/4"	42.926	1.75"	17.45	3/8-24
CAT40-FMA1"-2"	1"	55.626	2"	17.45	1/2-20
CAT40-FMA1-1/4"-2"	1-1/4"	69.85	2"	17.45	5/8-18
CAT40-FMA1-1/2"-2"	1-1/2"	78	2"	23.83	3/4-16
CAT40-FMA1/2"-4"	1/2"	36.576	4"	13.97	1/4-28
CAT40-FMA3/4"-4"	3/4"	42.926	4"	17.45	3/8-24
CAT40-FMA1"-4"	1"	55.626	4"	17.45	1/2-20
CAT40-FMA1-1/4"-4"	1-1/4"	69.85	4"	17.45	5/8-18
CAT40-FMA1-1/2"-4"	1-1/2"	78	4"	23.83	3/4-16
CAT40-FMA3/4"-6"	3/4"	42.926	6"	17.45	3/8-24
CAT40-FMA1"-6"	1"	55.626	6"	17.45	1/2-20
CAT40-FMA3/4"-8"	3/4"	42.926	8"	17.45	3/8-24
CAT40-FMA1"-8"	1"	55.626	8"	17.45	1/2-20
CAT50-FMA1/2"-1.38"	1/2"	36.576	1.38"	13.97	1/4-28
CAT50-FMA3/4"-2"	3/4"	42.926	2"	17.45	3/8-24
CAT50-FMA1"-2"	1"	55.626	2"	17.45	1/2-20
CAT50-FMA1-1/4"-2"	1-1/4"	69.85	2"	17.45	5/8-18
CAT50-FMA1-1/2"-2"	1-1/2"	78	2"	23.83	3/4-16
CAT50-FMA2"-2"	2"	98	2"	23.83	1-14
CAT50-FMA3/4"-4"	3/4"	42.926	4"	17.45	3/8-24
CAT50-FMA1"-4"	1"	55.626	4"	17.45	1/2-20
CAT50-FMA1-1/4"-4"	1-1/4"	69.85	4"	17.45	5/8-18
CAT50-FMA1-1/2"-4"	1-1/2"	78	4"	23.83	3/4-16
CAT50-FMA2"-4"	2"	98	4"	23.83	1-14
CAT50-FMA3/4"-6"	3/4"	42.926	6"	17.45	3/8-24
CAT50-FMA1"-6"	1"	55.626	6"	17.45	1/2-20
CAT50-FMA1-1/4"-6"	1-1/4"	69.85	6"	17.45	5/8-18
CAT50-FMA1-1/2"-6"	1-1/2"	78	6"	23.83	3/4-16
CAT50-FMA3/4"-8"	3/4"	42.926	8"	17.45	3/8-24
CAT50-FMA1"-8"	1"	55.626	8"	17.45	1/2-20
CAT50-FMA1-1/4"-8"	1-1/4"	69.85	8"	17.45	5/8-18
CAT50-FMA1-1/2"-8"	1-1/2"	78	8"	23.83	3/4-16

End Mill Holder Weldon

侧固刀柄



			
DIN6359/1835B	≤0.005	RPM G2.5/20000	AD



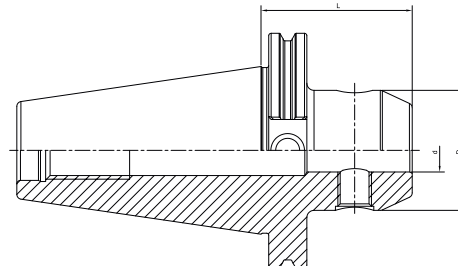
Size	d	D	L
CAT40-SLA1/8"-1.38"	1/8"	17.526	1.38"
CAT40-SLA3/16"-1.38"	3/16"	17.526	1.38"
CAT40-SLA1/4"-1.38"	1/4"	19.81	1.38"
CAT40-SLA5/16"-1.38"	5/16"	22.225	1.38"
CAT40-SLA3/8"-1.38"	3/8"	25.4	1.38"
CAT40-SLA1/2"-1.75"	1/2"	31.75	1.75"
CAT40-SLA5/8"-1.75"	5/8"	38.1	1.75"
CAT40-SLA3/4"-1.75"	3/4"	44.45	1.75"
CAT40-SLA7/8"-1.75"	7/8"	47.625	1.75"
CAT40-SLA1"-1.75"	1"	50.8	1.75"
CAT40-SLA1-1/4"-2"	1-1/4"	63.5	2"
CAT40-SLA1/8"-2.5"	1/8"	17.526	2.5"
CAT40-SLA3/16"-2.5"	3/16"	17.526	2.5"
CAT40-SLA1/4"-2.5"	1/4"	19.81	2.5"
CAT40-SLA5/16"-2.5"	5/16"	22.225	2.5"
CAT40-SLA3/8"-2.5"	3/8"	25.4	2.5"
CAT40-SLA7/16"-2.5"	7/16"	28.575	2.5"
CAT40-SLA1/2"-2.5"	1/2"	31.75	2.5"
CAT40-SLA5/8"-3"	5/8"	38.1	3"
CAT40-SLA3/4"-3"	3/4"	44.45	3"
CAT40-SLA7/8"-3.5"	7/8"	47.625	3.5"
CAT40-SLA1"-3"	1"	50.8	2"

CAT

End Mill Holder Weldon

侧固刀柄

			
DIN6359/1835B	≤0.005	G2.5/20000	AD



Size	d	D	L
CAT40-SLA1/8"-4"	1/8"	17.526	4"
CAT40-SLA3/16"-4"	3/16"	17.526	4"
CAT40-SLA1/4"-4"	1/4"	19.81	4"
CAT40-SLA5/16"-4"	5/16"	22.225	4"
CAT40-SLA3/8"-4"	3/8"	25.4	4"
CAT40-SLA1/2"-4"	1/2"	31.75	4"
CAT40-SLA5/8"-4"	5/8"	38.1	4"
CAT40-SLA3/4"-4"	3/4"	44.45	4"
CAT40-SLA1"-4"	1"	50.8	4"
CAT40-SLA1-1/4"-4"	1-1/4"	63.5	4"
CAT40-SLA1-1/2"-4"	1-1/2"	63.5	4"
CAT40-SLA1/4"-6"	1/4"	19.81	6"
CAT40-SLA5/16"-6"	5/16"	22.225	6"
CAT40-SLA3/8"-6"	3/8"	25.4	6"
CAT40-SLA1/2"-6"	1/2"	31.75	6"
CAT40-SLA5/8"-6"	5/8"	38.1	6"
CAT40-SLA3/4"-6"	3/4"	44.45	5.5"
CAT40-SLA7/8"-6"	7/8"	47.625	6"
CAT40-SLA1"-6"	1"	50.8	6"
CAT40-SLA1-1/4"-6"	1-1/4"	63.5	6"
CAT40-SLA1-1/2"-6"	1-1/2"	63.5	6"

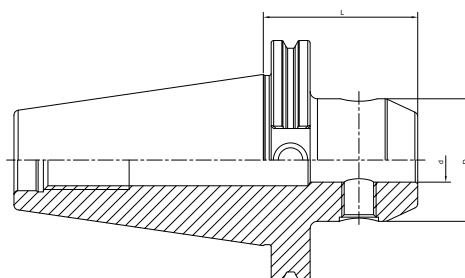
CAT

End Mill Holder Weldon

侧固刀柄



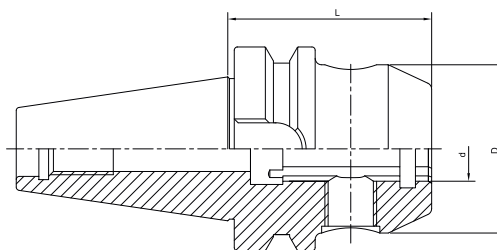
			
DIN6359/1835B	≤0.005	G2.5/15000	AD



Size	d	D	L
CAT50-SLA3/16"-2.5"	3/16"	17.526	2.5"
CAT50-SLA1/4"-2.5"	1/4"	19.81	2.5"
CAT50-SLA5/16"-2.5"	5/16"	22.225	2.5"
CAT40-SLA3/8"-2.5"	3/8"	25.4	2.5"
CAT50-SLA7/16"-2.5"	7/16"	28.575	2.5"
CAT50-SLA1/2"-2.62"	1/2"	31.75	2.62"
CAT50-SLA5/8"-3"	5/8"	38.1	3"
CAT50-SLA3/4"-3"	3/4"	44.45	3"
CAT50-SLA1"-2"	1"	50.8	2"
CAT50-SLA1-1/4"-2"	1-1/4"	63.5	2"
CAT50-SLA1-1/2"-2.25"	1-1/2"	63.5	2.25"
CAT50-SLA2"-5.62"	2"	95.25	5.62"
CAT50-SLA1/4"-4"	1/4"	19.81	4"
CAT50-SLA5/16"-4"	5/16"	22.225	4"
CAT50-SLA3/8"-4"	3/8"	25.4	4"
CAT50-SLA7/16"-4"	7/16"	28.575	4"
CAT50-SLA1/2"-4"	1/2"	31.75	4"
CAT50-SLA5/8"-4"	5/8"	38.1	4"
CAT50-SLA3/4"-4"	3/4"	44.45	4"
CAT50-SLA7/8"-4"	7/8"	47.625	4"
CAT50-SLA1"-4"	1"	50.8	4"
CAT50-SLA1-1/4"-4"	1-1/4"	63.5	4"
CAT50-SLA1-1/2"- 4"	1-1/2"	63.5	4"
CAT50-SLA1/4"-6"	1/4"	19.81	6"
CAT50-SLA5/16"-6"	5/16"	22.225	6"
CAT50-SLA3/8"-6"	3/8"	25.4	6"
CAT50-SLA7/16"-6"	7/16"	28.575	6"
CAT50-SLA1/2"-6"	1/2"	31.75	6"
CAT50-SLA5/8"-6"	5/8"	38.1	6"
CAT50-SLA3/4"-6"	3/4"	44.45	6"
CAT50-SLA7/8"-6"	7/8"	47.625	6"
CAT50-SLA1"-6"	1"	50.8	6"
CAT50-SLA1-1/4"-6"	1-1/4"	63.5	6"
CAT50-SLA1-1/2"- 6"	1-1/2"	63.5	6"

End Mill Holder with Coolant Channels
侧固刀柄，端面出水型

			
DIN6359/1835B	≤0.005	G2.5/20000	AD



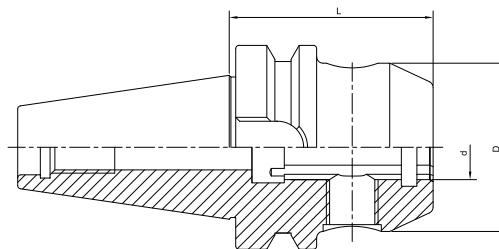
Size	d	D	L
CAT40-SLA1/8"-2.5"K	1/8"	17.526	2.5"
CAT40-SLA3/16"-2.5"K	3/16"	17.526	2.5"
CAT40-SLA1/4"-2.5"K	1/4"	19.81	2.5"
CAT40-SLA3/8"-2.5"K	3/8"	25.4	2.5"
CAT40-SLA7/16"-2.5"K	7/16"	28.575	2.5"
CAT40-SLA1/2"-2.5"K	1/2"	31.75	2.5"
CAT40-SLA5/8"-3"K	5/8"	38.1	3"
CAT40-SLA3/4"-3"K	3/4"	44.45	3"
CAT40-SLA7/8"-3.5"K	7/8"	47.625	3.5"
CAT40-SLA1"-3"K	1"	50.8	2"
CAT40-SLA1/8"-4"K	1/8"	17.526	4"
CAT40-SLA3/16"-4"K	3/16"	17.526	4"
CAT40-SLA1/4"-4"K	1/4"	19.81	4"
CAT40-SLA5/16"-4"K	5/16"	22.225	4"
CAT40-SLA3/8"-4"K	3/8"	25.4	4"
CAT40-SLA1/2"-4"K	1/2"	31.75	4"
CAT40-SLA1"-4"K	1"	50.8	4"
CAT40-SLA1-1/4"-4"K	1-1/4"	63.5	4"
CAT40-SLA1-1/2"-4"K	1-1/2"	63.5	4"
CAT40-SLA5/16"-6"K	5/16"	22.225	6"
CAT40-SLA3/8"-6"K	3/8"	25.4	6"
CAT40-SLA1/2"-6"K	1/2"	31.75	6"
CAT40-SLA5/8"-6"K	5/8"	38.1	6"
CAT40-SLA3/4"-6"K	3/4"	44.45	6"
CAT40-SLA1"-6"K	1"	50.8	6"
CAT40-SLA1-1/4"-6"K	1-1/4"	63.5	6"
CAT40-SLA1-1/2"-6"K	1-1/2"	63.5	6"

CAT

End Mill Holder with Coolant Channels

侧固刀柄，端面出水型

			
DIN6359/1835B	≤0.005	G2.5/15000	AD



Size	d	D	L
CAT50-SLA1/4"-2.5"K	1/4"	19.81	2.5"
CAT50-SLA5/16"-2.5"K	5/16"	22.225	2.5"
CAT50-SLA3/8"-2.5"K	3/8"	25.4	2.5"
CAT50-SLA7/16"-2.5"K	7/16"	28.575	2.5"
CAT50-SLA1/2"-2.62"K	1/2"	31.75	2.62"
CAT50-SLA5/8"-3"K	5/8"	38.1	3"
CAT50-SLA3/4"-3"K	3/4"	44.45	3"
CAT50-SLA1"-2"K	1"	50.8	2"
CAT50-SLA1-1/2"- 2.25"K	1-1/2"	63.5	2.25"
CAT50-SLA2"-5.62"K	2"	95.25	5.62"
CAT50-SLA1/4"-4"K	1/4"	19.81	4"
CAT50-SLA5/16"-4"K	5/16"	22.225	4"
CAT50-SLA3/8"-4"K	3/8"	25.4	4"
CAT50-SLA7/16"-4"K	7/16"	28.575	4"
CAT50-SLA1/2"-4"K	1/2"	31.75	4"
CAT50-SLA5/8"-4"K	5/8"	38.1	4"
CAT50-SLA3/4"-4"K	3/4"	44.45	4"
CAT50-SLA7/8"-4"K	7/8"	47.625	4"
CAT50-SLA1"-4"K	1"	50.8	4"
CAT50-SLA1-1/4"-4"K	1-1/4"	63.5	4"
CAT50-SLA1-1/2"- 4"K	1-1/2"	63.5	4"
CAT50-SLA1/4"-6"K	1/4"	19.81	6"
CAT50-SLA5/16"-6"K	5/16"	22.225	6"
CAT50-SLA3/8"-6"K	3/8"	25.4	6"
CAT50-SLA7/16"-6"K	7/16"	28.575	6"
CAT50-SLA1/2"-6"K	1/2"	31.75	6"
CAT50-SLA5/8"-6"K	5/8"	38.1	6"
CAT50-SLA3/4"-6"K	3/4"	44.45	6"
CAT50-SLA7/8"-6"K	7/8"	47.625	6"
CAT50-SLA1"-6"K	1"	50.8	6"
CAT50-SLA1-1/4"-6"K	1-1/4"	63.5	6"
CAT50-SLA1-1/2"- 6"K	1-1/2"	63.5	6"

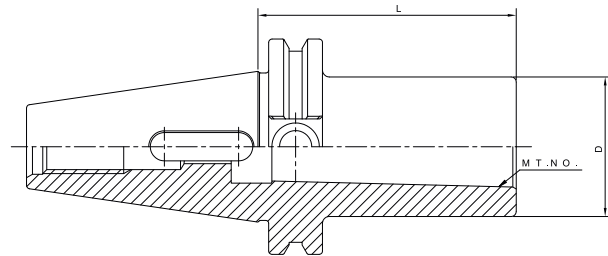
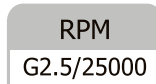
CAT



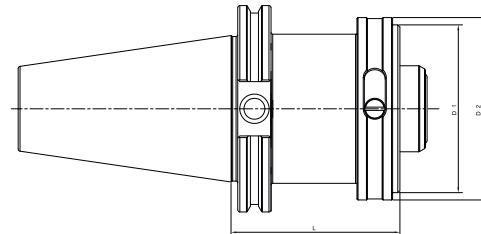
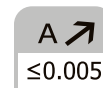
Bright-tools

BRIGHT-TOOLS

TOOL HOLDER ANSI B5.50

Morse Taper Adapter with Tang**带扁尾莫氏刀柄**

Size	MT. NO.	D	L
CAT40-MTA1-1.75"	1	25.40	1.75"
CAT40-MTA2-2"	2	31.75	2"
CAT40-MTA3-3"	3	41.45	3"
CAT40-MTA4-4"	4	50.80	4"
CAT50-MTA2-2"	2	31.75	2"
CAT50-MTA3-2"	3	41.45	2"
CAT50-MTA4-3"	4	50.80	3"
CAT50-MTA5-4"	5	69.85	4"

Tool Holder Adatper Sleeve**转换刀柄**

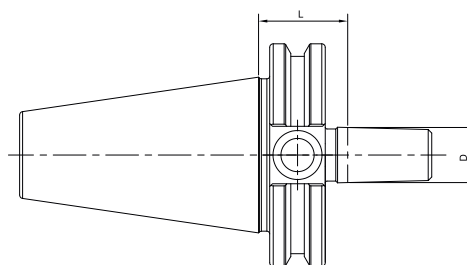
Size	D1	D2	L
CAT30-HSK32C-45	32	37	45
CAT30-HSK40C-60	40	45	60
CAT40-HSK32C-50	32	37	50
CAT40-HSK40C-50	40	45	50
CAT40-HSK50C-60	50	55	60
CAT40-HSK63C-75	63	70	75
CAT50-HSK32C-50	32	37	50
CAT50-HSK40C-50	40	45	50
CAT50-HSK50C-55	50	55	55
CAT50-HSK63C-55	63	70	55
CAT50-HSK80C-80	80	87	80
CAT50-HSK100C-95	100	110	95

Drill Chuck Adapter

钻接杆



		RPM
DIN238	≤0.005	G2.5/25000

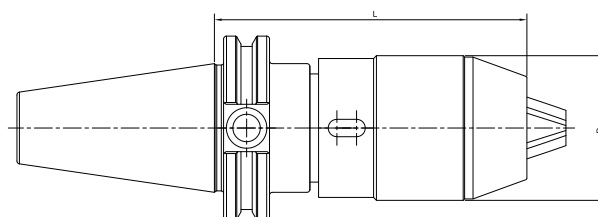


Size	D	L
CAT40-JT2-1.5"	14.199	1.5"
CAT40-JT3-1.5"	20.599	1.5"
CAT40-JT4-1.5"	28.55	1.5"
CAT40-JT6-1.5"	17.17	1.5"
CAT40-JT33-1.5"	15.85	1.5"
CAT50-JT2-1.5"	14.199	1.5"
CAT50-JT3-1.5"	20.599	1.5"
CAT50-JT4-1.5"	28.55	1.5"
CAT50-JT6-1.5"	17.17	1.5"
CAT50-JT33-1.5"	15.85	1.5"

CAT

APU Drill Chuck Holder

APU 钻夹头刀柄



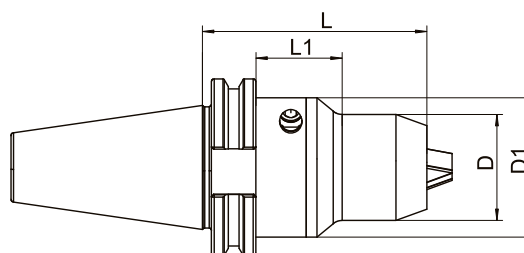
Size	D	L	Capacity
CAT40-APU08-85	36	85	1-8
CAT40-APU13-100	48	100	1-13
CAT40-APU16-110	53	110	3-16
CAT50-APU13-100	48	100	1-13
CAT50-APU16-105	53	105	3-16

Precision Drill Chuck Holder

精密钻夹头刀柄

A ↗
≤0.03

RPM
G2.5/25000

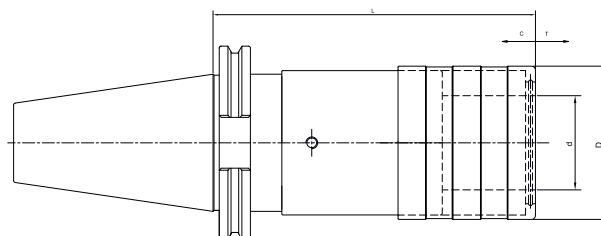


Size	D	D1	L	L1	Capacity
CAT40-CPU10-80	38	-	80	28.9	1-10
CAT40-CPU13-90	50	-	90	-	1-13
CAT40-CPU16-90	50	-	90	-	1-16
		-			
CAT50-CPU13-100	50	-	100	-	1-13
CAT50-CPU16-100	50	-	100	-	1-16

CAT

Quick Change Tapping Chuck with Length Compensation

弹性快换攻丝刀柄



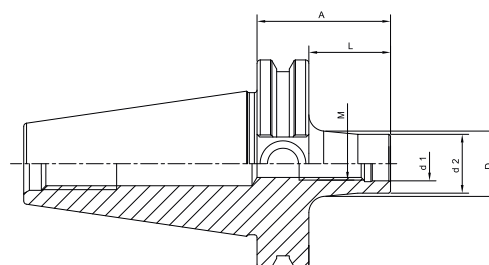
Size	D	d	L	T	C
CAT40-TC312-65	36	19	65	7.5	7.5
CAT40-TC820-93	54	31	93	12.5	12.5
CAT40-TC1433-156	78	48	156	22	22
CAT50-TC312-100	36	19	100	7.5	7.5
CAT50-TC820-100	54	31	100	12.5	12.5
CAT50-TC1433-142	78	48	142	22	22

Screw-in Milling Cutter Holder

锁牙刀柄，锥柄型



A ↗	RPM	AD
≤0.005	G6.3/15000	



Size	M	d1	d2	A	L	D
CAT40-SOM08-44 L=25	8	8.5	14.5	44	25	15
CAT40-SOM08-69 L=50	8	8.5	14.5	69	50	23
CAT40-SOM08-94 L=75	8	8.5	14.5	94	75	23
CAT40-SOM08-119 L=100	8	8.5	14.5	119	100	25
CAT40-SOM10-24 L=5	10	10.5	18	24	5	18
CAT40-SOM10-44 L=25	10	10.5	18	44	25	20
CAT40-SOM10-69 L=50	10	10.5	18	69	50	23
CAT40-SOM10-94 L=75	10	10.5	18	94	75	28
CAT40-SOM10-119 L=100	10	10.5	18	119	100	32
CAT40-SOM10-169 L=150	10	10.5	18	169	150	36.5
CAT40-SOM12-24 L=5	12	12.5	21	24	5	21
CAT40-SOM12-44 L=25	12	12.5	21	44	25	24
CAT40-SOM12-69 L=50	12	12.5	21	69	50	24
CAT40-SOM12-94 L=75	12	12.5	21	94	75	31
CAT40-SOM12-119 L=100	12	12.5	21	119	100	33
CAT40-SOM12-144 L=125	12	12.5	21	144	125	36
CAT40-SOM12-169 L=150	12	12.5	21	169	150	40
CAT40-SOM16-24 L=5	16	17	29	24	5	29
CAT40-SOM16-44 L=25	16	17	29	44	25	29
CAT40-SOM16-69 L=50	16	17	29	69	50	34
CAT40-SOM16-94 L=75	16	17	29	94	75	34
CAT40-SOM16-119 L=100	16	17	29	119	100	36
CAT40-SOM16-144 L=125	16	17	29	144	125	40
CAT40-SOM16-169 L=150	16	17	29	169	150	42.5

CAT



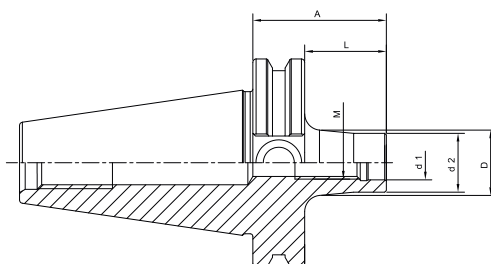
Bright-tools

BRIGHT-TOOLS

TOOL HOLDER ANSI B5.50

Screw-in Milling Cutter Holder**锁牙刀柄，锥柄型**A ↗
≤0.005RPM
G6.3/15000

AD



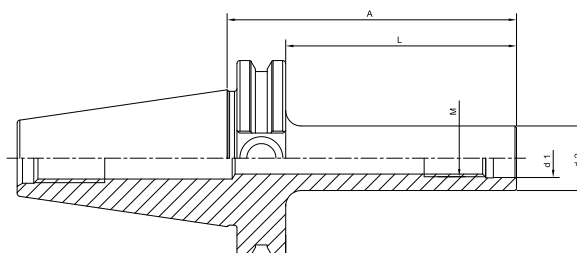
CAT

Size	M	d1	d2	A	L	D
CAT50-SOM08-69 L=50	8	8.5	14.5	69	50	23
CAT50-SOM08-119 L=100	8	8.5	14.5	119	100	25
CAT50-SOM08-169 L=150	8	8.5	14.5	169	150	30
CAT50-SOM10-69 L=50	10	10.5	18	69	50	23
CAT50-SOM10-119 L=100	10	10.5	18	119	100	32
CAT50-SOM10-169 L=150	10	10.5	18	169	150	36.5
CAT50-SOM12-69 L=50	12	12.5	21	69	50	24
CAT50-SOM12-119 L=100	12	12.5	21	119	100	33
CAT50-SOM12-169 L=150	12	12.5	21	169	150	40
CAT50-SOM16-69 L=50	16	17	29	69	50	34
CAT50-SOM16-119 L=100	16	17	29	119	100	36
CAT50-SOM16-169 L=150	16	17	29	169	150	42.5

Screw-in Milling Cutter Holder

锁牙刀柄，直柄型

A ↗ ≤0.005	RPM G6.3/15000	AD
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Size	M	d1	d2	A	L
CAT40-M10-119 L=100	10	10.5	18	119	100
CAT40-M10-169 L=150	10	10.5	18	169	150
CAT40-M12-119 L=100	12	12.5	21	119	100
CAT40-M12-144 L=125	12	12.5	21	144	125
CAT40-M12-169 L=150	12	12.5	21	169	150
CAT40-M16-119 L=100	16	17	29	119	100
CAT40-M16-144 L=125	16	17	29	144	125
CAT40-M16-169 L=150	16	17	29	169	150
CAT50-M10-119 L=100	10	10.5	18	119	100
CAT50-M10-169 L=150	10	10.5	18	169	150
CAT50-M12-119 L=100	12	12.5	21	119	100
CAT50-M12-169 L=150	12	12.5	21	169	150
CAT50-M16-119 L=100	16	17	29	119	100
CAT50-M16-169 L=150	16	17	29	169	150

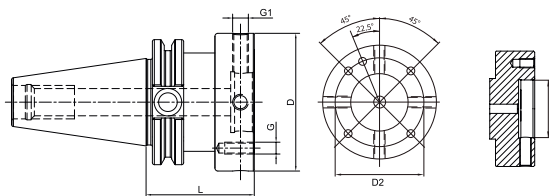
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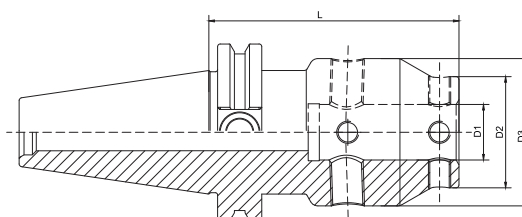
Bright-tools

BRIGHT-TOOLS

TOOL HOLDER ANSI B5.50

Runout Adjustable Flange Adapter**可调节精度法兰刀柄**A ↗
≤0.002RPM
G2.5/25000

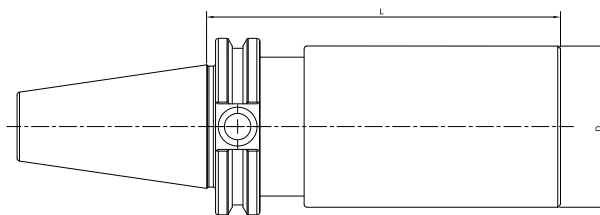
Size	D	D1	D2	L	G	G1
CAT40-MOD060-050	60	30	44	M5	M5	M8x1
CAT40-MOD070-050	70	35	53	M6	M6	M8x1
CAT40-MOD080-055	80	40	63	M6	M6	M8x1
CAT40-MOD100-060	100	50	79	M8	M8	M10x1
CAT50-MOD060-050	60	30	44	M5	M5	M8x1
CAT50-MOD070-050	70	35	53	M6	M6	M8x1
CAT50-MOD080-050	80	40	63	M6	M6	M8x1
CAT50-MOD100-060	100	50	79	M8	M8	M10x1
CAT50-MOD117-060	117	60	96	M8	M8	M10x1
CAT50-MOD140-060	140	80	119	M10	M10	M10x1

UM Adjustable Tool Holder**UM 调零刀柄**A ↗
≤0.003RPM
G2.5/25000

Size	D1	D2	D3	L
CAT40-UM12-65	12	28	44.5	65
CAT40-UM16-80	16	32	48	80
CAT40-UM20-90	20	40	53	90
CAT40-UM25-100	25	48	63	100
CAT40-UM32-105	32	52	63	105
CAT50-UM12-80	12	28	44.5	80
CAT50-UM16-80	16	32	48	80
CAT50-UM20-90	20	40	53	90
CAT50-UM25-100	25	48	63	100
CAT50-UM32-105	32	52	63	105

Boring Bar Blank

基础柄



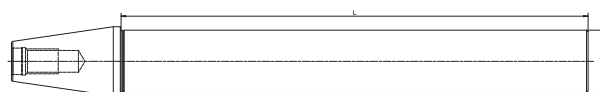
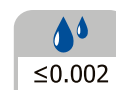
Size	D	L
CAT40-2.5"-6"	2.5"	6"
CAT40-2.5"-10"	2.5"	10"
CAT40-4"-6"	4"	6"
CAT40-4"-10"	4"	10"
CAT50-2.5"-6"	2.5"	6"
CAT50-2.5"-10"	2.5"	10"
CAT50-4"-6"	4"	6"
CAT50-4"-10"	4"	10"
CAT50-6"-10"	6"	10"

Other sizes can be made by request.

CAT

Test Arbor

主轴检测棒

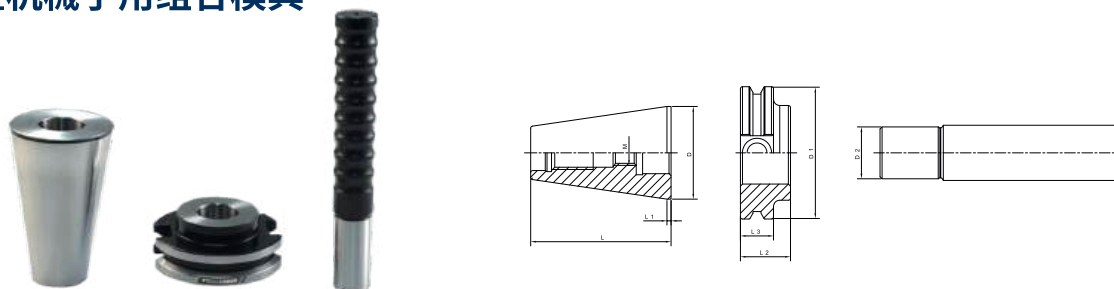


Size	D	L
CAT30-32-250	32	250
CAT40-40-300	40	300
CAT50-50-300	50	300

Other sizes can be made by request.

Alignment Tool for ATC Arm

调整机械手用组合模具



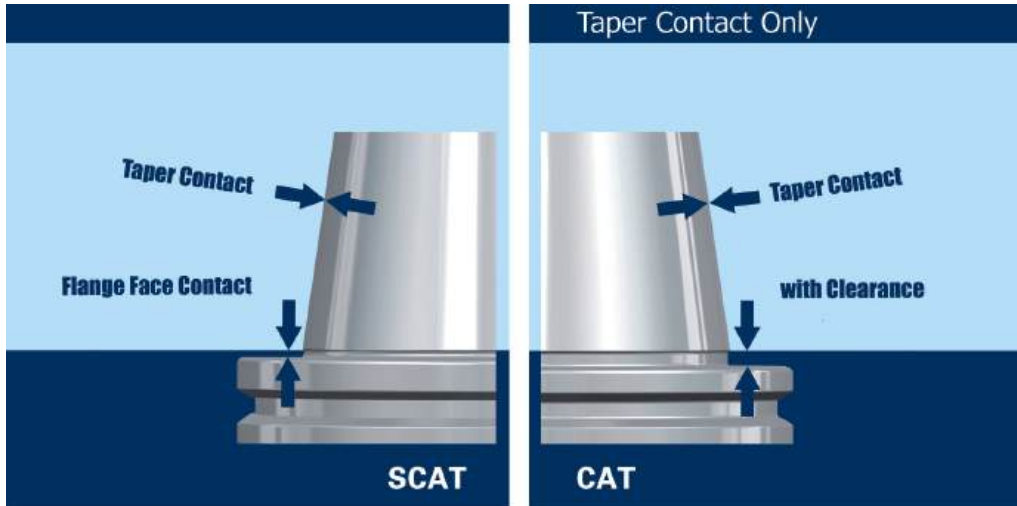
Size	D	D1	D2	L	L1	L2	L3	M
CAT30-ATC-18D	31.75	46	18	50.8	3.175	20	15.875	M12
CAT40-ATC-20D	44.45	63.5	20	71.43	3.175	25	15.875	M12
CAT50-ATC-28D	69.85	98.43	28	104.78	3.175	35	15.875	M16

SCAT

TOOL HOLDERS



SCAT DualDrive (Double Contact) Tool Holders



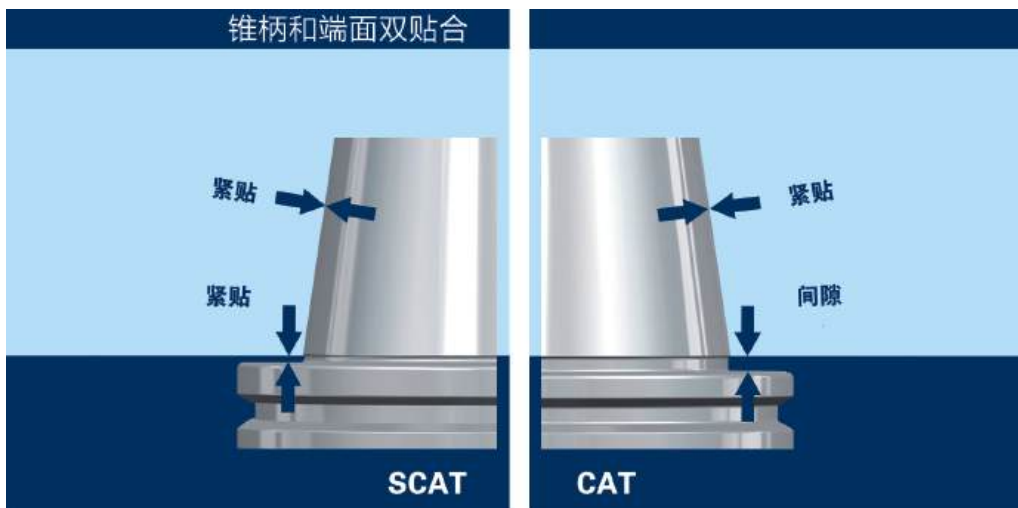
Taper and Flange Face Dual Contact System Advantages:

- * Improve tool holder stability when high speed working.
- * Improve workpiece surface finish.
- * Improve working dimension accuracy.
- * Improve ATC repeatability.
- * Improve the roundness when boring operation.
- * Extend cutting tool life.

ORDER SPECIFICATION:

PLEASE ORDER SCAT SPINDLE MACHINING CENTERS FOR BETTER PERFORMANCE.

SCAT 双接触刀柄



SCAT

使用 SCAT 双接触刀柄优势：

- * 高速加工时提高刀柄稳定性；
- * 提高工件表面光洁度；
- * 提高加工精度；
- * 提高 ATC 的重复精度；
- * 提高镗孔加工圆度；
- * 增加刀具使用寿命。

订购说明：

为了更好的使用效果，请订购带 SCAT 主轴的加工中心。



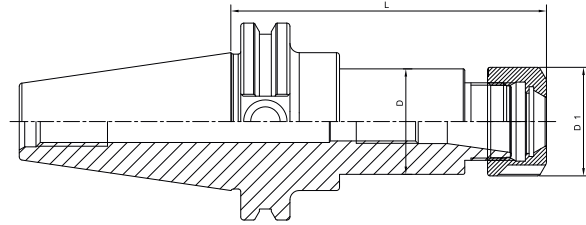
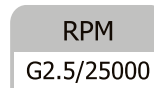
Bright-tools

BRIGHT-TOOLS

TOOL HOLDER ANSI B5.50

ER Collet Chuck with UM Nut

ER 弹簧夹头刀柄

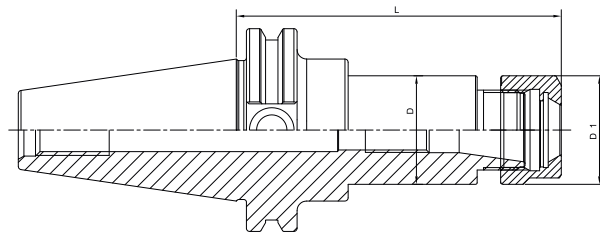
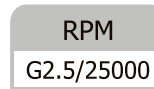
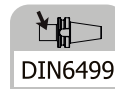


Size	D	D1	L	Capacity
SCAT40-ER16UM-2.5"	44.45	32	2.5"	1-10
SCAT40-ER20UM-2.5"	34	35	2.5"	1-13
SCAT40-ER25-2.5"	42	42	2.5"	2-16
SCAT40-ER32-2.5"	44.45	50	2.5"	2-20
SCAT40-ER40-3"	50	63	3"	3-26
SCAT40-ER16UM-4"	28	32	4"	1-10
SCAT40-ER20UM-4"	34	35	4"	1-13
SCAT40-ER25-4"	42	42	4"	2-16
SCAT40-ER32-4"	44.45	50	4"	2-20
SCAT40-ER40-4"	50	63	4"	3-26

SCAT

ER Collet Chuck with Hex Nut

ER 弹簧夹头刀柄



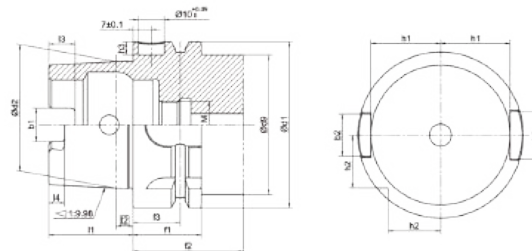
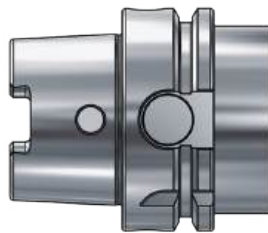
Size	D	D1	L	Capacity
SCAT40-ER11-2.5"	19	19	2.5"	1-7
SCAT40-ER16-2.5	44.45	28	2.5"	1-10
SCAT40-ER20-2.5	34	34	2.5"	1-13
SCAT40-ER11-4"	19	19	4"	1-7
SCAT40-ER16-4"	28	28	4"	1-10
SCAT40-ER20-4"	34	34	4"	1-13

HSK-A

TOOL HOLDERS

HSK-A Taper Standard

HSK-A 锥柄标准



Size	d1	d2	d9	l1	l2	l3	l4	f1	f2	f3	h1	h2	h3	b1	b2	b3
HSK25A	25	19.006	20	13	2.5	4	2	10	20	4.5	10	7.5	-	6.05	6	7
HSK32A	32	24.007	26	16	3.2	5	3	20	35	16	13	9.5	5.4	7.05	7	9
HSK40A	40	30.007	34	20	4	6	3.5	20	35	16	17	12	5.2	8.05	9	11
HSK50A	50	38.009	42	25	5	7.5	4.5	26	42	18	21	15.5	5.1	10.54	12	14
HSK63A	63	48.010	53	32	6.3	10	6	26	42	18	26.5	20	5.0	12.54	16	18
HSK80A	80	60.012	68	40	8	12	8	26	42	18	34	25	4.9	16.04	18	20
HSK100A	100	75.013	88	50	10	15	10	29	45	20	44	31.5	4.9	20.02	20	22

Taper standard: DIN 69893; ISO 12164

Material: Alloyed case hardened steel

Surface Treatment: Blackening and Bright

Taper tolerance: <AT3

Hardness: HRC 56-60

Carbon depth: 0.8±0.2mm

Surface Roughness: Ra<0.2μm

Balancing: G6.3/15000; G2.5/25000

HSK-A TOOLING SYSTEM

HSK-A 工具系统目录

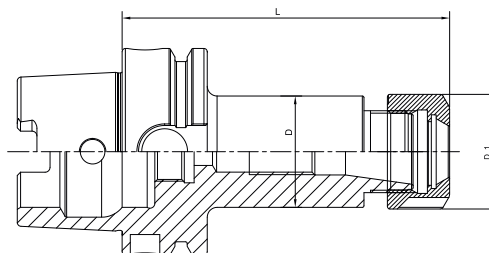
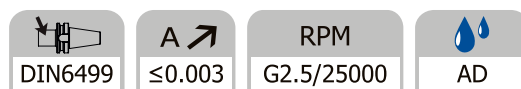
ER Collet Chuck.....	F.04
ER 弹簧夹头刀柄.....	F.04
Power Milling Chuck.....	F.09
强力铣刀柄	F.09
OZ Collet Chuck.....	F.09
OZ 夹头刀柄.....	F.09
SKS Collet Chuck.....	F.10
SKS 高速筒夹刀柄	F.10
TG Collet Chuck	F.10
TG 超强力刀柄.....	F.10
Pull Back Collet Chuck	F.11
NDC后拉刀柄.....	F.11
Face Mill Holder.....	F.12
面铣刀柄	F.12
Combi Shell Mill Holder	F.15
混合插入式铣刀柄.....	F.15
End Mill Holder	F.17
侧固刀柄.....	F.17
Morse Taper Adapter	F.22
带扁尾莫氏刀柄	F.22
Morse Taper Adapter	F.23
带螺纹孔莫氏刀柄.....	F.23
Tool Holder Adapter Sleeve.....	F.24
转换刀柄.....	F.24
APU Drill Chuck Holder	F.25
APU 钻夹头刀柄.....	F.25
Precision Drill Chuck Holder.....	F.25
精密钻夹头刀柄	F.25
Quick Change Tapping Chuck.....	F.26
弹性快换攻丝刀柄	F.26
Screw-in Milling Cutter Holder	F.27
SOM 锁牙刀柄.....	F.27
Runout Adjustable Flange Adapter	F.29
可调节精度法兰刀柄	F.29
UM Adjustable.....	F.30
UM调零刀柄	F.30
Boring Bar Blank.....	F.31
基础柄.....	F.31
Test Arbor.....	F.32
主轴检测棒.....	F.32
Alignment Tool for ATC Arm	F.33
调整机械手用组合模具	F.33



HSK

ER Collet Chuck with UM Nut

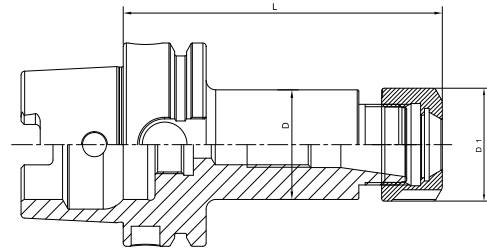
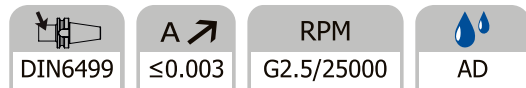
ER 弹簧夹头刀柄



Size	D	D1	L1	Capacity
HSK32A-ER16UM-80	28	32	80	1-10
HSK32A-ER20UM-80	34	35	80	1-13
HSK32A-ER25-80	42	42	80	2-16
HSK32A-ER32-50	50	50	50	3-20
HSK40A-ER16UM-80	28	32	80	1-10
HSK40A-ER20UM-80	34	35	80	1-13
HSK40A-ER25-80	42	42	80	2-16
HSK40A-ER32-80	50	50	80	3-20
HSK50A-ER16UM-80	28	32	80	1-10
HSK50A-ER20UM-80	34	35	80	1-13
HSK50A-ER25-80	42	42	80	2-16
HSK50A-ER32-100	50	50	100	3-20
HSK63A-ER16UM-75	28	32	75	1-10
HSK63A-ER20UM-75	34	35	75	1-13
HSK63A-ER25-75	42	42	75	2-16
HSK63A-ER32-75	50	50	75	3-20
HSK63A-ER40-80	50	63	80	4-26
HSK63A-ER16UM-100	28	32	100	1-10
HSK63A-ER20UM-100	34	35	100	1-13
HSK63A-ER25-100	42	42	100	2-16
HSK63A-ER32-100	50	50	100	3-20
HSK63A-ER40-100	50	63	100	4-26
HSK63A-ER16UM-120	28	32	120	1-10
HSK63A-ER20UM-120	34	35	120	1-13
HSK63A-ER25-120	42	42	120	2-16
HSK63A-ER32-120	50	50	120	3-20
HSK63A-ER40-120	50	63	120	4-26

ER Collet Chuck with UM Nut

ER 弹簧夹头刀柄



Size	D	D1	L1	Capacity
HSK63A-ER16UM-160T	28	32	160	1-10
HSK63A-ER20UM-160	34	35	160	1-13
HSK63A-ER25-160	42	42	160	2-16
HSK63A-ER32-160	50	50	160	3-20
HSK63A-ER40-160	50	63	160	4-26
HSK63A-ER16UM-200T	28	32	200	1-10
HSK63A-ER20UM-200	34	35	200	1-13
HSK63A-ER25-200	42	42	200	2-16
HSK63A-ER32-200	50	50	200	3-20
HSK63A-ER40-200	50	63	200	4-26
HSK80A-ER16UM-100	28	32	100	1-10
HSK80A-ER20UM-100	34	35	100	1-13
HSK80A-ER25-100	42	42	100	2-16
HSK80A-ER32-100	50	50	100	3-20
HSK80A-ER40-120	50	63	120	4-26
HSK100A-ER16UM-100	28	32	100	1-10
HSK100A-ER20UM-100	34	35	100	1-13
HSK100A-ER25-100	42	42	100	2-16
HSK100A-ER32-100	50	50	100	3-20
HSK100A-ER40-100	63	63	100	4-26
HSK100A-ER50-120	100	78	120	6-34
HSK100A-ER16UM-120T	28	32	120	1-10
HSK100A-ER20UM-120	34	35	120	1-13
HSK100A-ER25-120	42	42	120	2-16
HSK100A-ER32-120	50	50	120	3-20
HSK100A-ER40-120	63	63	120	4-26

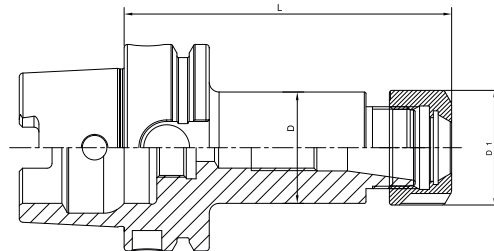
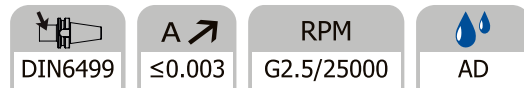
T refers to cutter side with taper design

T 代表刀具端锥柄设计

HSK

ER Collet Chuck with UM Nut

ER 弹簧夹头刀柄



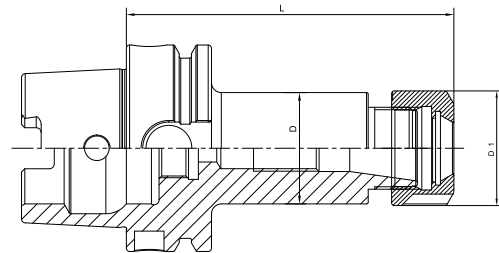
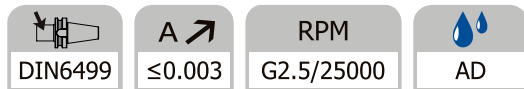
Size	D	D1	L1	Capacity
HSK100A-ER16UM-160T	28	32	160	1-10
HSK100A-ER20UM-160	34	35	160	1-13
HSK100A-ER25-160	42	42	160	2-16
HSK100A-ER32-160	50	50	160	3-20
HSK100A-ER40-160	63	63	160	4-26
HSK100A-ER16UM-200T	28	32	200	1-10
HSK100A-ER20UM-200	34	35	200	1-13
HSK100A-ER25-200	42	42	200	2-16
HSK100A-ER32-200	50	50	200	3-20
HSK100A-ER40-200	63	63	200	4-26
HSK100A-ER25-250	42	42	250	2-16
HSK100A-ER32-250	50	50	250	3-20
HSK100A-ER40-250	63	63	250	4-26
HSK100A-ER25-300	42	42	300	2-16
HSK100A-ER32-300	50	50	300	3-20
HSK100A-ER40-300	63	63	300	4-26

T refers to cutter side with taper design

T 代表刀具端锥柄设计

ER Collet Chuck with Hex Nut

ER 弹簧夹头刀柄



Size	D	D1	L1	Capacity
HSK32A-ER16-80	28	28	80	1-10
HSK32A-ER20-80	34	34	80	1-13
HSK40A-ER16-80	28	28	80	1-10
HSK40A-ER20-80	34	34	80	1-13
HSK50A-ER16-80	28	28	80	1-10
HSK50A-ER20-80	34	34	80	1-13
HSK63A-ER16-75	28	28	75	1-10
HSK63A-ER20-75	34	34	75	1-13
HSK63A-ER16-100	28	28	100	1-10
HSK63A-ER20-100	34	34	100	1-13
HSK63A-ER16-120	28	28	120	1-10
HSK63A-ER20-120	34	34	120	1-13
HSK63A-ER16-160T	28	28	160	1-10
HSK63A-ER20-160	34	34	160	1-13
HSK63A-ER16-200T	28	28	200	1-10
HSK63A-ER20-200	34	34	200	1-13
HSK80A-ER16-100	28	28	100	1-10
HSK80A-ER20-100	34	34	100	1-13
HSK100A-ER16-100	28	28	100	1-10
HSK100A-ER20-100	34	34	100	1-13
HSK100A-ER16-120T	28	28	120	1-10
HSK100A-ER20-120	34	34	120	1-13
HSK100A-ER16-160T	28	28	160	1-10
HSK100A-ER20-160	34	34	160	1-13
HSK100A-ER16-200T	28	28	200	1-10
HSK100A-ER20-200	34	34	200	1-13

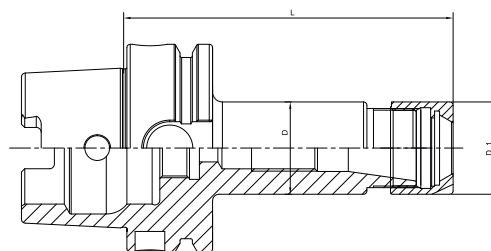
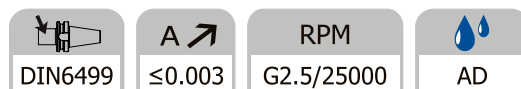
T refers to cutter side with taper design

T 代表刀具端锥柄设计

HSK

ER Collet Chuck with Mini Nut

ER 弹簧夹头刀柄



Size	D	D1	L1	Capacity
HSK32A-ER11M-50	16	16	50	1-7
HSK32A-ER16M-50	22	22	50	1-10
HSK32A-ER20M-50	28	28	50	1-13
HSK40A-ER11M-60	16	16	60	1-7
HSK40A-ER16M-60	22	22	60	1-10
HSK40A-ER20M-60	28	28	60	1-13
HSK50A-ER11M-60	16	16	60	1-7
HSK50A-ER16M-60	22	22	60	1-10
HSK50A-ER20M-60	28	28	60	1-13
HSK63A-ER11M-100	16	16	100	1-7
HSK63A-ER16M-100	22	22	100	1-10
HSK63A-ER20M-100	28	28	100	1-13
HSK63A-ER25M-100	35	35	100	2-16
HSK63A-ER11M-160T	16	16	160	1-7
HSK63A-ER16M-160T	22	22	160	1-10
HSK63A-ER20M-160	28	28	160	1-13
HSK63A-ER25M-160	35	35	160	2-16
HSK100A-ER16M-100	22	22	100	1-10
HSK100A-ER20M-100	28	28	100	1-13
HSK100A-ER25M-100	35	35	100	2-16
HSK100A-ER16M-160T	22	22	160	1-10
HSK100A-ER20M-160	28	28	160	1-13
HSK100A-ER25M-160	35	35	160	2-16

T refers to cutter side with taper design

T 代表刀具端锥柄设计

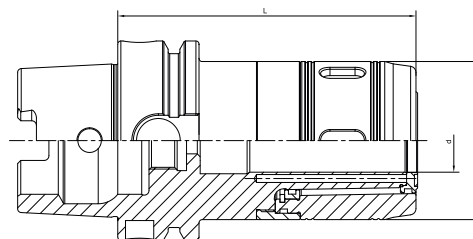
HSK

Power Milling Chuck

强力铣刀柄

A ↗
≤0.008

AD

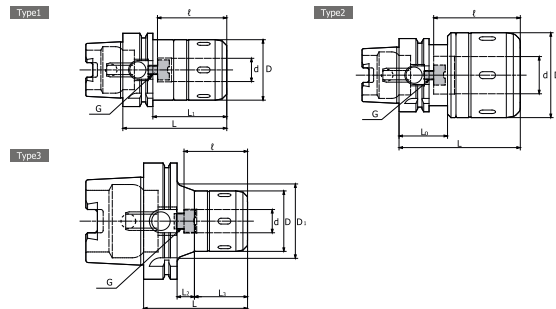


Size	d	D	L	Capacity
HSK63A-HC20-100	20	50	100	3-16; 20
HSK63A-HC25-100	25	59	100	3-20; 25
HSK63A-HC32-120	32	72	120	3-25; 32
HSK100A-HC20-105	20	50	105	3-16; 20
HSK100A-HC25-105	25	59	105	3-20; 25
HSK100A-HC32-120	32	72	120	3-25; 32
HSK100A-HC32-165	32	72	165	3-25; 32
HSK100A-HC32-200	32	72	200	3-25; 32

HSK

Power Milling Chuck

强力铣刀柄

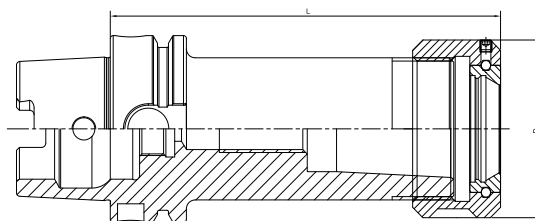
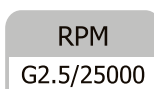
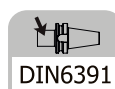


Size	Type	d	D	D1	L	L1	L2	L3	ℓ	L0	G
HSK63A-CT16SA-90	1	16	45	-	90	64	-	-	60	-	M8
HSK63A-CT20SA-90	1	20	52	-	90	64	-	-	60	-	M8
HSK63A-CT25SA-105	2	25	61	-	105	-	-	-	75	42	M8
HSK63A-CT32SA-105	2	32	73	-	105	-	-	-	75	42	M8
HSK63A-CT32SA-120	2	32	73	-	120	-	-	-	90	42	M8
HSK100A-CT16SA-90	3	16	45	56	90	-	16	45	55	-	M10
HSK100A-CT20SA-105	3	20	52	64	105	-	18	58	70	-	M10
HSK100A-CT25SA-105	3	25	61	74	105	-	20	56	70	-	M10
HSK100A-CT25SA-135	3	25	61	74	135	-	50	56	80	-	M10
HSK100A-CT32SA-105	1	32	73	-	105	76	-	-	70	-	M10
HSK100A-CT32SA-120	1	32	73	-	120	91	-	-	85	-	M10
HSK100A-CT32SA-135	1	32	73	-	135	106	-	-	100	-	M10
HSK100A-CT42SA-105	2	42	88	-	105	-	-	-	70	45	M10
HSK100A-CT42SA-135	2	42	88	-	135	-	-	-	100	45	M10
HSK100A-CT42SA-165	2	42	88	-	165	-	-	-	120	45	M10

HSK

OZ Collet Chuck

OZ 夹头刀柄

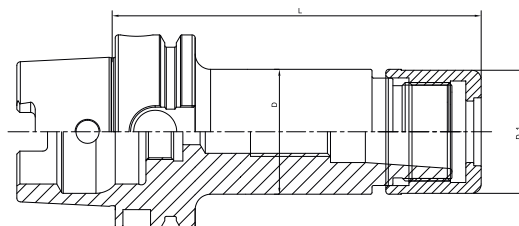
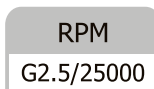


Size	D	L	Capacity
HSK50A-OZ16-90	43	90	2-16
HSK50A-OZ25-110	60	110	2-25
HSK63A-OZ16-100	43	100	2-16
HSK63A-OZ25-100	60	100	2-25
HSK63A-OZ32-120	72	120	3-32
HSK100A-OZ16-110	43	110	2-16
HSK100A-OZ25-120	60	120	2-25
HSK100A-OZ32-130	72	130	3-32

HSK

High Speed SKS Collet Chuck

SKS 高速筒夹刀柄



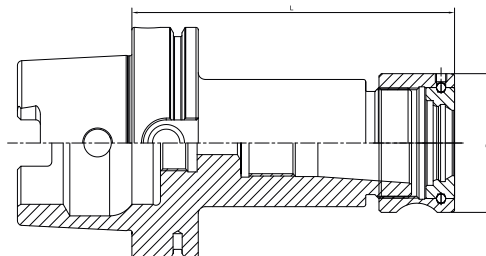
Size	D	D1	L	Capacity	M
HSK63A-SKS10-90	27.5	27.1	90	2-10	M21.5*1
HSK63A-SKS16-90	40.6	40	90	3-16	M32*1.5
HSK63A-SKS10-120	27.5	27.1	120	2-10	M21.5*1
HSK63A-SKS16-120	40.6	40	120	3-16	M32*1.5
HSK100A-SKS10-90	27.5	27.1	90	2-10	M21.5*1
HSK100A-SKS16-90	40.6	40	90	3-16	M32*1.5
HSK100A-SKS10-120	27.5	27.1	120	2-10	M21.5*1
HSK100A-SKS16-120	40.6	40	120	3-16	M32*1.5

TG Collet Chuck

TG 超强力刀柄

A ↗
≤0.005

AD



Size	D	L	Collet	Capacity
HSK50A-TG75-110	50	110	TG 75	2-20
HSK63A-TG75-120	50	120	TG 75	2-20
HSK63A-TG100-130	60	130	TG 100	3-25
HSK100A-TG75-120	50	120	TG 100	3-20
HSK100A-TG100-130	60	130	TG 100	3-25

HSK

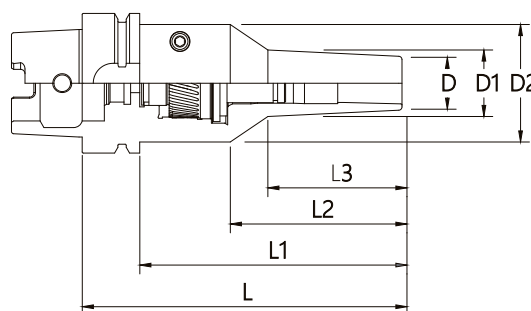
Precision Screw Collet Chuck

NDC 后拉刀柄

A ↗
≤0.003

RPM
G2.5/25000

AD

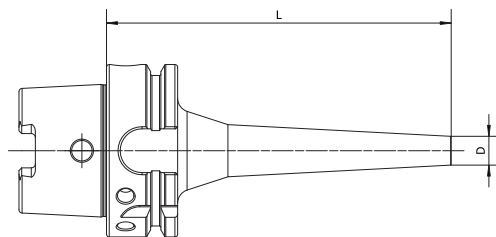


Size	D	D1	D2	L	L1	L2	L3	L4	Capacity
HSK63A-NDC20-95	40	53	-	95	69	30	19	-	4-20
HSK63A-NDC14-150	24	30	53	145	119	77	60	-	4-14
HSK100A-NDC32-140	60	70	-	140	111	14	60	-	12-32

Pull Back Collet Chuck

DC 后拉刀柄

A ↗ ≤0.003	RPM G2.5/25000	AD
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Size	D	L	Capacity
HSK63A-DC06-60	14	60	1-6
HSK63A-DC06-90	14	90	1-6
HSK63A-DC06-120	14	120	1-6
HSK63A-DC06-150	14	150	1-6
HSK63A-DC08-60	22	60	1-10
HSK63A-DC08-90	22	90	1-10
HSK63A-DC08-120	22	120	1-10
HSK63A-DC08-150	22	150	1-10
HSK63A-DC08-200	22	200	1-10
HSK63A-DC12-90	34	90	1-12
HSK63A-DC12-120	34	120	1-12
HSK63A-DC12-150	34	150	1-12
HSK63A-DC12-200	34	200	1-12
HSK100A-DC06-110	14	110	1-6
HSK100A-DC06-150	14	150	1-6
HSK100A-DC08-110	22	110	1-10
HSK100A-DC08-150	22	150	1-10
HSK100A-DC08-200	22	200	1-10
HSK100A-DC12-120	34	120	1-12
HSK100A-DC12-150	34	150	1-12
HSK100A-DC12-200	34	200	1-12

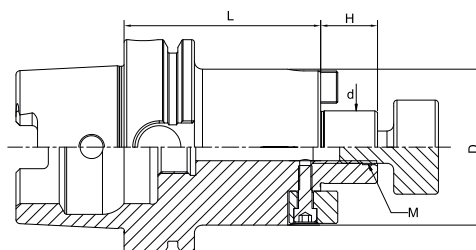
HSK

Face Mill Holder Inch

英制面铣刀柄



A ↗ ≤0.005	RPM G2.5/25000	AD
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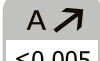
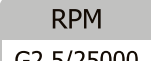
Size	d	D	H	L	M
HSK63A-FMA3/4"-50	3/4"	42.926	17.45	50	3/8-24
HSK63A-FMA1"-60	1"	55.626	17.45	60	1/2-20
HSK63A-FMA1-1/4"-60	1-1/4"	69.85	17.45	60	5/8-18
HSK63A-FMA1-1/2"-60	1-1/2"	78	23.83	60	3/4-16
HSK63A-FMA3/4"-100	3/4"	42.926	17.45	100	3/8-24
HSK63A-FMA1"-100	1"	55.626	17.45	100	1/2-20
HSK63A-FMA1-1/4"-100	1-1/4"	69.85	17.45	100	5/8-18
HSK63A-FMA1-1/2"-100	1-1/2"	78	23.83	100	3/4-16
HSK63A-FMA3/4"-160	3/4"	42.926	17.45	160	3/8-24
HSK63A-FMA1"-160	1"	55.626	17.45	160	1/2-20
HSK63A-FMA1-1/4"-160	1-1/4"	69.85	17.45	160	5/8-18
HSK63A-FMA1-1/2"-160	1-1/2"	78	23.83	160	3/4-16
HSK100A-FMA3/4"-50	3/4"	42.926	17.45	50	3/8-24
HSK100A-FMA1"-50	1"	55.626	17.45	50	1/2-20
HSK100A-FMA1-1/4"-60	1-1/4"	69.85	17.45	60	5/8-18
HSK100A-FMA1-1/2"-60	1-1/2"	78	23.83	60	3/4-16
HSK100A-FMA3/4"-100	3/4"	42.926	17.45	100	3/8-24
HSK100A-FMA1"-100	1"	55.626	17.45	100	1/2-20
HSK100A-FMA1-1/4"-100	1-1/4"	69.85	17.45	100	5/8-18
HSK100A-FMA1-1/2"-100	1-1/2"	78	23.83	100	3/4-16
HSK100A-FMA3/4"-160	3/4"	42.926	17.45	160	3/8-24
HSK100A-FMA1"-160	1"	55.626	17.45	160	1/2-20
HSK100A-FMA1-1/4"-160	1-1/4"	69.85	17.45	160	5/8-18
HSK100A-FMA1-1/2"-160	1-1/2"	78	23.83	160	3/4-16

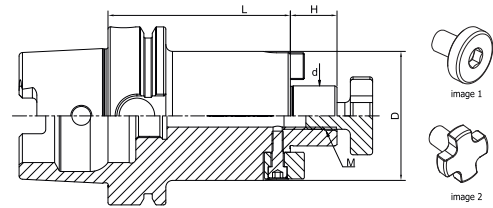
HSK

Face Mill Holder

面铣刀柄



 DIN6357	 A $\sqrt{\text{ }}$ ≤ 0.005	 RPM G2.5/25000	 AD
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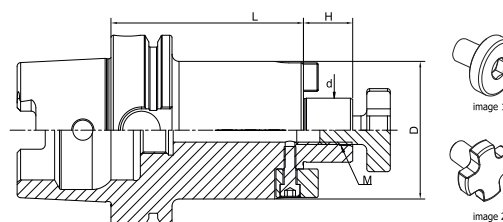
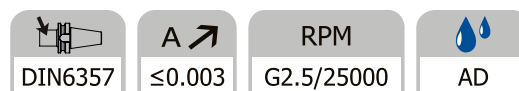
Size	d	D	H	L	M
HSK50A-FMB16-50	16	38	17	50	M8
HSK50A-FMB22-60	22	48	19	60	M10
HSK50A-FMB27-60	27	58	21	60	M12
HSK50A-FMB32-60	32	78	24	60	M16
HSK63A-FMB16-50	16	38	17	50	M8
HSK63A-FMB22-50	22	48	19	50	M10
HSK63A-FMB27-60	27	58	21	60	M12
HSK63A-FMB32-60	32	78	24	60	M16
HSK63A-FMB16-100	16	38	17	100	M8
HSK63A-FMB22-100	22	48	19	100	M10
HSK63A-FMB27-100	27	58	21	100	M12
HSK63A-FMB32-100	32	78	24	100	M16
HSK63A-FMB16-160	16	38	17	160	M8
HSK63A-FMB22-160	22	48	19	160	M10
HSK63A-FMB27-160	27	58	21	160	M12
HSK63A-FMB32-160	32	78	24	160	M16
HSK63A-FMB16-200	16	38	17	200	M8
HSK63A-FMB22-200	22	48	19	200	M10
HSK63A-FMB27-200	27	58	21	200	M12
HSK63A-FMB32-200	32	78	24	200	M16
HSK80A-FMB22-50	22	48	19	50	M10
HSK80A-FMB27-50	27	58	21	50	M12
HSK80A-FMB32-60	32	78	24	60	M16

Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国面铣刀柄标配圆头螺钉 (图 1)，其他国家标配十字花螺钉 (图 2)。

AD/B Customized
AD/B 可定制

Face Mill Holder

面铣刀柄

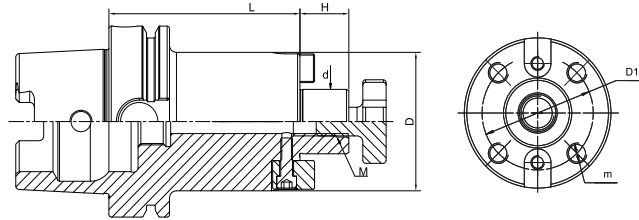
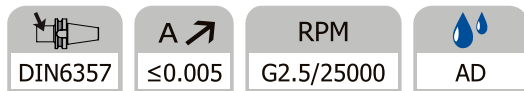


Size	d	D	H	L	M
HSK100A-FMB22-50	22	48	19	50	M10
HSK100A-FMB27-50	27	58	21	50	M12
HSK100A-FMB32-60	32	78	24	60	M16
HSK100A-FMB22-100	22	48	19	100	M10
HSK100A-FMB27-100	27	58	21	100	M12
HSK100A-FMB32-100	32	78	24	100	M16
HSK100A-FMB22-160	22	48	19	160	M10
HSK100A-FMB27-160	27	58	21	160	M12
HSK100A-FMB32-160	32	78	24	160	M16
HSK100A-FMB22-200	22	48	19	200	M10
HSK100A-FMB27-200	27	58	21	200	M12
HSK100A-FMB32-200	32	78	24	200	M16
HSK100A-FMB22-250	22	48	19	250	M10
HSK100A-FMB27-250	27	58	21	250	M12
HSK100A-FMB32-250	32	78	24	250	M16
HSK100A-FMB22-300	22	48	19	300	M10
HSK100A-FMB27-300	27	58	21	300	M12
HSK100A-FMB32-300	32	78	24	300	M16

Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国面铣刀柄标配圆头螺钉 (图 1)，其他国家标配十字花螺钉 (图 2)。

Face Mill Holder

面铣刀柄



Size	d	D	D1	H	L	M	m
HSK63A-FMB40-60	40	88	66.7	27	60	M20	M12
HSK63A-FMB40-100	40	88	66.7	27	100	M20	M12
HSK63A-FMB40-160	40	88	66.7	27	160	M20	M12
HSK63A-FMB40-200	40	88	66.7	27	200	M20	M12
HSK80A-FMB40-60	40	88	66.7	27	60	M20	M12
HSK100A-FMB40-60	40	88	66.7	27	60	M20	M12
HSK100A-FMB60-70	60	129	101.6	25	70	M30	M16
HSK100A-FMB40-100	40	88	66.7	27	100	M20	M12
HSK100A-FMB40-160	40	88	66.7	27	160	M20	M12
HSK100A-FMB40-200	40	88	66.7	27	200	M20	M12
HSK100A-FMB40-250	40	88	66.7	27	250	M20	M12
HSK100A-FMB40-300	40	88	66.7	27	300	M20	M12

FMB40 tool holder is with one retaining screw (image 2) . but it is with one universal screw (image 1) in China.

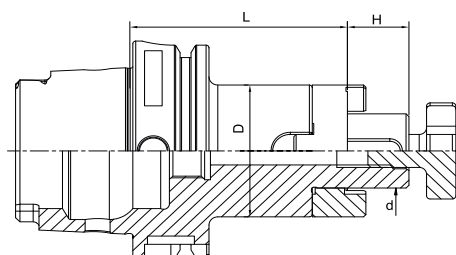
FMB40 刀柄中国市场面铣刀柄标配圆头螺钉 (图 1)，其他国家标配十字花螺钉 (图 2).

Combi Shell Mill Holder

混合插入式铣刀柄



		
DIN6358	≤0.005	RPM G2.5/25000



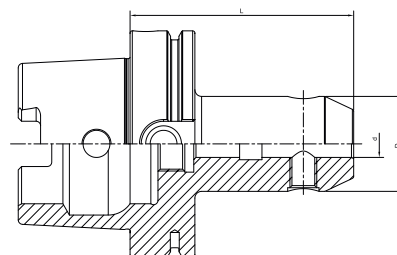
Size	d	D	L	L1
HSK50A-SEMC16-50	16	32	50	17
HSK50A-SEMC22-50	22	40	50	19
HSK50A-SEMC27-65	27	48	65	21
HSK50A-SEMC32-65	32	58	65	24
HSK63A-SEMC16-60	16	32	60	17
HSK63A-SEMC22-60	22	40	60	19
HSK63A-SEMC27-60	27	48	60	21
HSK63A-SEMC32-60	32	58	60	24
HSK63A-SEMC40-70	40	70	70	27
HSK63A-SEMC16-100	16	32	100	17
HSK63A-SEMC22-100	22	40	100	19
HSK63A-SEMC27-100	27	48	100	21
HSK63A-SEMC32-100	32	58	100	24
HSK80A-SEMC16-60	16	32	60	17
HSK80A-SEMC22-60	22	40	60	19
HSK80A-SEMC27-60	27	48	60	21
HSK80A-SEMC32-60	32	58	60	24
HSK80A-SEMC40-70	40	70	70	27
HSK100A-SEMC16-60	16	32	60	17
HSK100A-SEMC22-60	22	40	60	19
HSK100A-SEMC27-60	27	48	60	21
HSK100A-SEMC32-60	32	58	60	24
HSK100A-SEMC40-70	40	70	70	27

End Mill Holder Weldon

侧固刀柄



			
DIN6359/1835B	A $\nearrow$ ≤ 0.005	RPM G2.5/25000	AD



Size	d	D	L	M	Screw Quantity
HSK50A-SLA06-65	6	25	65	M6	1
HSK50A-SLA08-65	8	28	65	M8	1
HSK50A-SLA10-65	10	35	65	M10	1
HSK50A-SLA12-80	12	42	80	M12	1
HSK50A-SLA14-80	14	44	80	M12	1
HSK50A-SLA16-80	16	48	80	M14	1
HSK50A-SLA18-80	18	50	80	M14	1
HSK50A-SLA20-80	20	52	80	M16	1
HSK50A-SLA25-110	25	60	110	M18*2	2
HSK50A-SLA32-110	32	60	110	M20*2	2

HSK



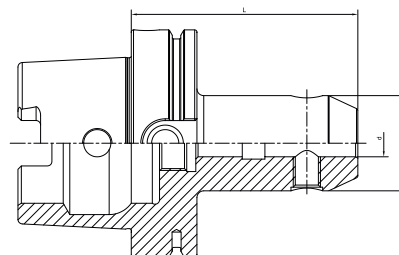
Bright-tools

BRIGHT-TOOLS

Tool Holder DIN 69893 (ISO 12164) HSK-A

End Mill Holder Weldon**侧固刀柄**

			
DIN6359/1835B	≤0.005	G2.5/25000	AD



Size	d	D	L	M	Screw Quantity
HSK63A-SLA06-65	6	25	65	M6	1
HSK63A-SLA08-65	8	28	65	M8	1
HSK63A-SLA10-65	10	35	65	M10	1
HSK63A-SLA12-80	12	42	80	M12	1
HSK63A-SLA14-80	14	44	80	M12	1
HSK63A-SLA16-80	16	48	80	M14	1
HSK63A-SLA20-80	20	52	80	M16	1
HSK63A-SLA25-110	25	65	110	M18*2	2
HSK63A-SLA32-110	32	72	110	M20*2	2
HSK63A-SLA40-125	40	80	125	M20*2	2
HSK63A-SLA06-100	6	25	100	M6	1
HSK63A-SLA08-100	8	28	100	M8	1
HSK63A-SLA10-100	10	35	100	M10	1
HSK63A-SLA14-100	14	44	100	M12	1
HSK63A-SLA16-100	16	48	100	M12	1
HSK63A-SLA18-100	18	50	100	M14	1
HSK63A-SLA20-100	20	52	100	M16	1
HSK63A-SLA06-160	6	25	160	M6	1
HSK63A-SLA08-160	8	28	160	M8	1
HSK63A-SLA10-160	10	35	160	M10	1
HSK63A-SLA12-160	12	42	160	M12	1
HSK63A-SLA14-160	14	44	160	M12	1
HSK63A-SLA16-160	16	48	160	M14	1
HSK63A-SLA18-160	18	50	160	M14	1
HSK63A-SLA20-160	20	52	160	M16	1
HSK63A-SLA25-160	25	65	160	M18*2	2
HSK63A-SLA32-160	32	72	160	M20*2	2

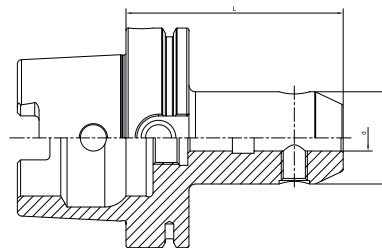
HSK

End Mill Holder Weldon

侧固刀柄



			
DIN6359/1835B	A ≤ 0.005	RPM G2.5/25000	AD



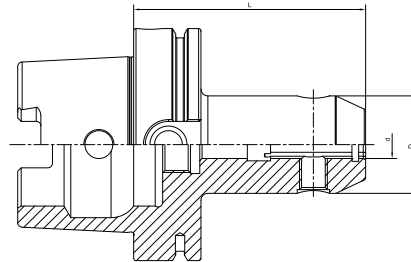
Size	d	D	L	M	Screw Quantity
HSK80A-SLA06-80	6	25	80	M6	1
HSK80A-SLA08-80	8	28	80	M8	1
HSK80A-SLA10-80	10	35	80	M10	1
HSK80A-SLA12-80	12	42	80	M12	1
HSK80A-SLA14-80	14	44	80	M12	1
HSK80A-SLA16-100	16	48	100	M14	1
HSK80A-SLA18-100	18	50	100	M14	1
HSK80A-SLA20-100	20	52	100	M16	1
HSK80A-SLA25-100	25	65	100	M18*2	2
HSK80A-SLA32-110	32	72	110	M20*2	2
HSK80A-SLA40-120	40	80	120	M20*2	2
HSK100A-SLA08-80	8	28	80	M8	1
HSK100A-SLA10-80	10	35	80	M10	1
HSK100A-SLA12-80	12	42	80	M12	1
HSK100A-SLA14-80	14	44	80	M12	1
HSK100A-SLA16-100	16	48	100	M14	1
HSK100A-SLA18-100	18	50	100	M14	1
HSK100A-SLA20-100	20	52	100	M16	1
HSK100A-SLA25-100	25	65	100	M18*2	2
HSK100A-SLA32-100	32	72	100	M20*2	2
HSK100A-SLA40-105	40	80	105	M20*2	2
HSK100A-SLA50-130	50	100	130	M24*2	2
HSK100A-SLA08-160	8	28	160	M8	1
HSK100A-SLA10-160	10	35	160	M10	1
HSK100A-SLA12-160	12	42	160	M12	1
HSK100A-SLA14-160	14	44	160	M12	1
HSK100A-SLA16-160	16	48	160	M14	1
HSK100A-SLA18-160	18	50	160	M14	1
HSK100A-SLA20-160	20	52	160	M16	1
HSK100A-SLA25-160	25	65	160	M18*2	2
HSK100A-SLA32-160	32	72	160	M20*2	2
HSK100A-SLA40-160	40	80	160	M20*2	2

HSK

End Mill Holder with Coolant Channels

侧固刀柄，端面出水型

			
DIN6359/1835B	≤0.005	G2.5/25000	AD



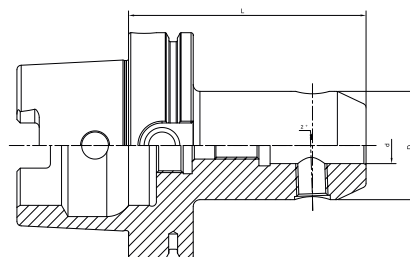
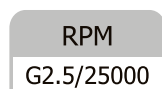
Size	d	D	L	M	Screw Quantity
HSK63A-SLA06-65K	6	25	65	M6	1
HSK63A-SLA08-65K	8	28	65	M8	1
HSK63A-SLA10-65K	10	35	65	M10	1
HSK63A-SLA12-80K	12	42	80	M12	1
HSK63A-SLA14-80K	14	44	80	M12	1
HSK63A-SLA16-80K	16	48	80	M14	1
HSK63A-SLA18-80K	18	50	80	M14	1
HSK63A-SLA20-80K	20	52	80	M16	1
HSK63A-SLA25-110K	25	65	110	M18*2	2
HSK63A-SLA32-110K	32	72	110	M20*2	2
HSK63A-SLA40-125K	40	80	125	M20*2	2

HSK100A-SLA06-80K	6	25	80	M6	1
HSK100A-SLA08-80K	8	28	80	M8	1
HSK100A-SLA10-80K	10	35	80	M10	1
HSK100A-SLA12-80K	12	42	80	M12	1
HSK100A-SLA14-80K	14	44	80	M12	1
HSK100A-SLA16-100K	16	48	100	M14	1
HSK100A-SLA18-100K	18	50	100	M14	1
HSK100A-SLA20-100K	20	52	100	M16	1
HSK100A-SLA25-100K	25	65	100	M18*2	2
HSK100A-SLA32-100K	32	72	100	M20*2	2
HSK100A-SLA40-105K	40	80	105	M20*2	2

HSK

End Mill Holder Whistle Notch

侧固式铣刀柄, 斜 2 度

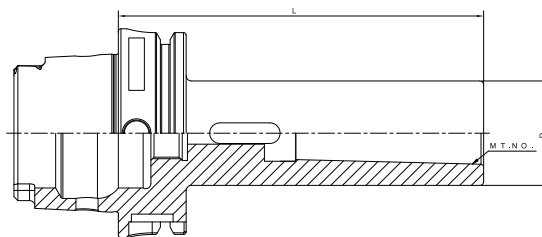
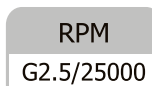
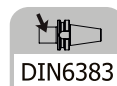


Size	d	D	L	M	Screw Quantity
HSK63A-SLB06-80	6	25	80	M6	1
HSK63A-SLB08-80	8	28	80	M8	1
HSK63A-SLB10-80	10	35	80	M10	1
HSK63A-SLB12-90	12	42	90	M12	1
HSK63A-SLB14-90	14	44	90	M12	1
HSK63A-SLB16-100	16	48	100	M14	1
HSK63A-SLB18-100	18	50	100	M14	1
HSK63A-SLB20-100	20	52	100	M16	1
HSK63A-SLB25-110	25	65	110	M18*2	2
HSK63A-SLB32-110	32	72	110	M20*2	2
HSK63A-SLB40-125	40	80	125	M20*2	2
HSK100A-SLB06-90	6	25	90	M6	1
HSK100A-SLB08-90	8	28	90	M8	1
HSK100A-SLB10-90	10	35	90	M10	1
HSK100A-SLB12-100	12	42	100	M12	1
HSK100A-SLB14-100	14	44	100	M12	1
HSK100A-SLB16-100	16	48	100	M14	1
HSK100A-SLB18-100	18	50	100	M14	1
HSK100A-SLB20-110	20	52	110	M16	1
HSK100A-SLB25-120	25	65	120	M18*2	2
HSK100A-SLB32-120	32	72	120	M20*2	2
HSK100A-SLB40-120	40	80	120	M20*2	2

HSK

Morse Taper Adapter with Tang

带扁尾莫氏刀柄

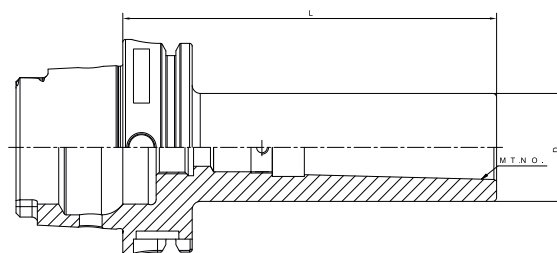
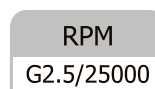
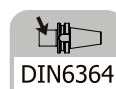


Size	MT. NO.	D	L
HSK50A-MTA1-100	1	25	100
HSK50A-MTA2-120	2	32	120
HSK50A-MTA3-140	3	40	140
HSK63A-MTA1-100	1	25	100
HSK63A-MTA2-120	2	32	120
HSK63A-MTA3-140	3	40	140
HSK63A-MTA4-160	4	48	160
HSK80A-MTA1-110	1	25	110
HSK80A-MTA2-120	2	32	120
HSK80A-MTA3-140	3	40	140
HSK80A-MTA4-160	4	48	160
HSK100A-MTA1-110	1	25	110
HSK100A-MTA2-120	2	32	120
HSK100A-MTA3-150	3	40	150
HSK100A-MTA4-170	4	48	170
HSK100A-MTA5-200	5	63	200

HSK

Morse Taper Adapter with Drawbar

带螺纹孔莫氏刀柄

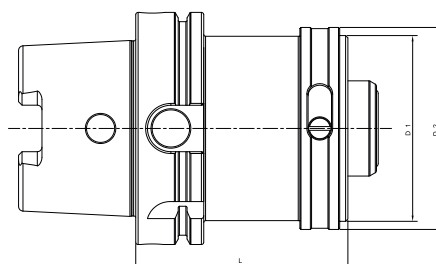


Size	MT. NO.	D	L
HSK50A-MTB1-100	1	25	100
HSK50A-MTB2-120	2	32	120
HSK50A-MTB3-140	3	40	140
HSK63A-MTB1-100	1	25	100
HSK63A-MTB2-120	2	32	120
HSK63A-MTB3-140	3	40	140
HSK63A-MTB4-160	4	48	160
HSK80A-MTB1-110	1	25	110
HSK80A-MTB2-120	2	32	120
HSK80A-MTB3-150	3	40	150
HSK80A-MTB4-170	4	48	170
HSK100A-MTB1-110	1	25	110
HSK100A-MTB2-120	2	32	120
HSK100A-MTB3-150	3	40	150
HSK100A-MTB4-170	4	48	170
HSK100A-MTB5-200	5	63	200

HSK

Tool Holder Adapter Sleeve

转换刀柄

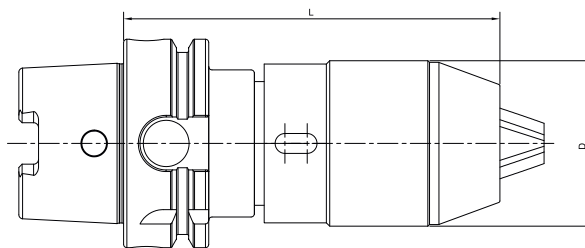


Size	D1	D2	L
HSK50A-HSK50C-80	50	55	80
HSK50A-HSK50C-100	50	55	100
HSK63A-HSK63C-100	63	70	100
HSK63A-HSK63C-140	63	70	140
HSK80A-HSK80C-120	80	87	120
HSK80A-HSK80C-160	80	87	160
HSK100A-HSK100C-140	100	110	140
HSK100A-HSK100C-200	100	110	200
HSK50A-HSK32C-60	32	37	60
HSK50A-HSK32C-70	40	45	70
HSK63A-HSK32C-70	32	37	70
HSK63A-HSK40C-80	40	45	80
HSK63A-HSK50C-80	50	55	80
HSK80A-HSK40C-80	40	45	80
HSK80A-HSK50C-80	50	55	80
HSK80A-HSK63C-100	63	70	100
HSK100A-HSK50C-80	50	55	80
HSK100A-HSK63C-100	63	70	100
HSK100A-HSK80C-100	80	87	100

HSK

APU Drill Chuck Holder

APU 钻夹头刀柄

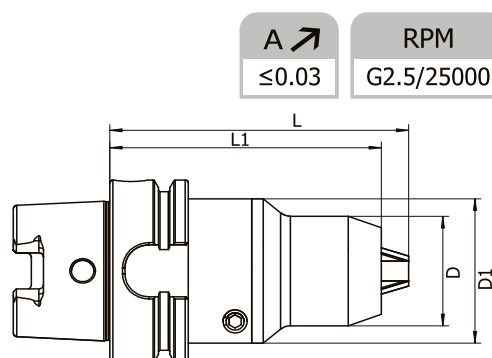


Size	D	L	Capacity
HSK63A-APU13-130	48	130	1-13
HSK63A-APU16-140	53	140	3-16
HSK100A-APU13-140	48	140	1-13
HSK100A-APU16-150	53	150	3-16

HSK

Precision Drill Chuck Holder

精密钻夹头刀柄



Size	D	D1	L	L1	Capacity
HSK63A-CPU10-90	38	50	90	32	1-10
HSK63A-CPU13-100	50	-	100	-	1-13
HSK63A-CPU16-100	50	-	100	-	1-16
HSK100A-CPU13-105	50	-	105	-	1-13
HSK100A-CPU16-105	50	-	105	-	1-16



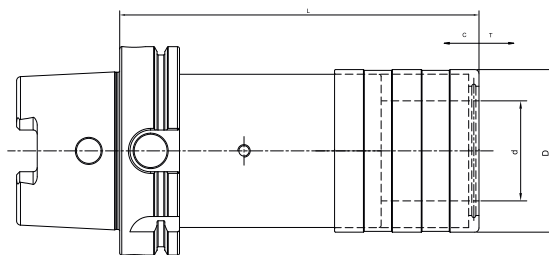
Bright-tools

BRIGHT-TOOLS

Tool Holder DIN 69893 (ISO 12164) HSK-A

Quick Change Tapping Chuck with Length Compensation

弹性快换攻丝刀柄



Size	d	D	L	T	C
HSK63A-TC312-102	19	36	102	7.5	7.5
HSK63A-TC820-140	31	53	140	12.5	12.5
HSK63A-TC1433-210	48	78	210	22	22
HSK100A-TC312-112	19	36	112	7.5	7.5
HSK100A-TC820-148	31	53	148	12.5	12.5
HSK100A-TC1433-210	48	78	210	22	22

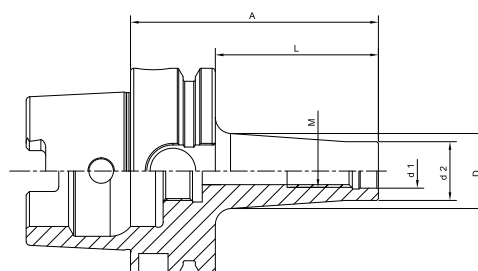
HSK

Screw-in Milling Cutter Holder

锁牙刀柄, 锥柄型



A ↗	RPM	AD
≤0.005	G2.5/25000	



Size	M	d1	d2	A	L	D
HSK63A-SOM08-51 L=25	8	8.5	14.5	51	25	15
HSK63A-SOM08-76 L=50	8	8.5	14.5	76	50	23
HSK63A-SOM08-101 L=75	8	8.5	14.5	101	75	23
HSK63A-SOM10-51 L=25	10	10.5	18	51	25	20
HSK63A-SOM10-76 L=50	10	10.5	18	76	50	23
HSK63A-SOM10-126 L=100	10	10.5	18	126	100	32
HSK63A-SOM10-176 L=150	10	10.5	18	176	150	36.5
HSK63A-SOM12-51 L=25	12	12.5	21	51	25	24
HSK63A-SOM12-76 L=50	12	12.5	21	76	50	34
HSK63A-SOM12-101 L=75	12	12.5	21	101	75	31
HSK63A-SOM12-126 L=100	12	12.5	21	126	100	33
HSK63A-SOM12-176 L=150	12	12.5	21	176	150	40
HSK63A-SOM16-51 L=25	16	17	29	51	25	29
HSK63A-SOM16-76 L=50	16	17	29	76	50	34
HSK63A-SOM16-101 L=75	16	17	29	101	75	34
HSK63A-SOM16-126 L=100	16	17	29	126	100	36
HSK63A-SOM16-176 L=150	16	17	29	176	150	42.5
HSK100A-SOM08-79 L=50	8	8.5	14.5	79	50	23
HSK100A-SOM10-79 L=50	10	10.5	18	79	50	23
HSK100A-SOM10-129 L=100	10	10.5	18	129	100	32
HSK100A-SOM10-179 L=150	10	10.5	18	179	150	36.5
HSK100A-SOM12-79 L=50	12	12.5	21	79	50	24
HSK100A-SOM12-129 L=100	12	12.5	21	129	100	33
HSK100A-SOM12-179 L=150	12	12.5	21	179	150	40
HSK100A-SOM16-79 L=50	16	17	29	79	50	34
HSK100A-SOM16-129 L=100	16	17	29	129	100	36
HSK100A-SOM16-179 L=150	16	17	29	179	150	42.5

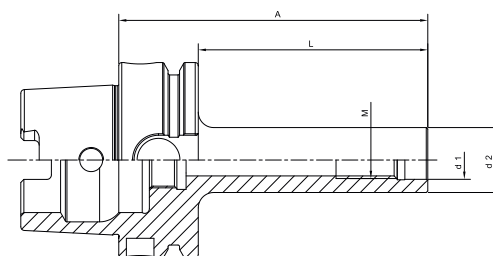
HSK

Screw-in Milling Cutter Holder

锁牙刀柄，直柄型



A ↗	RPM	
≤0.005	G2.5/25000	AD



Size	M	d1	d2	A	L
HSK63A-M10-126 L=100	10	10.5	18	126	100
HSK63A-M10-176 L=150	10	10.5	18	176	150
HSK63A-M12-101 L=75	12	12.5	21	101	75
HSK63A-M12-126 L=100	12	12.5	21	126	100
HSK63A-M12-176 L=150	12	12.5	21	176	150
HSK63A-M16-101 L=75	16	17	29	101	75
HSK63A-M16-126 L=100	16	17	29	126	100
HSK63A-M16-176 L=150	16	17	29	176	150
HSK100A-M10-129 L=100	10	10.5	18	129	100
HSK100A-M10-179 L=150	10	10.5	18	179	150
HSK100A-M12-129 L=100	12	12.5	21	129	100
HSK100A-M12-179 L=150	12	12.5	21	179	150
HSK100A-M16-129 L=100	16	17	29	129	100
HSK100A-M16-179 L=150	16	17	29	179	150

HSK

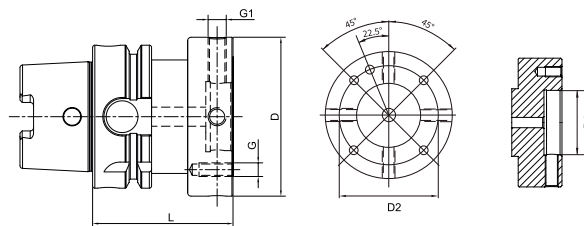
Runout Adjustable Flange Adapter

可调节精度法兰刀柄

A ↗
≤0.002

RPM
G2.5/25000

AD



Size	HSK-A	D	D1	D2	L	G	G1
HSK50A-MOD060-060	50	60	30	44	60	M5	M8x1
HSK50A-MOD070-060	50	70	35	53	60	M6	M8x1
HSK50A-MOD080-060	50	80	40	63	60	M6	M8x1
HSK63A-MOD060-060	63	60	30	44	60	M5	M8x1
HSK63A-MOD070-060	63	70	35	53	60	M6	M8x1
HSK63A-MOD080-060	63	80	40	63	60	M6	M8x1
HSK63A-MOD100-065	63	100	50	79	65	M8	M10x1
HSK63A-MOD117-065	63	117	60	96	65	M8	M10x1
HSK80A-MOD060-050	80	60	30	44	50	M5	M8x1
HSK80A-MOD070-060	80	70	35	53	60	M6	M8x1
HSK80A-MOD080-060	80	80	40	63	60	M6	M8x1
HSK80A-MOD100-065	80	100	50	79	65	M8	M10x1
HSK80A-MOD117-065	80	117	60	96	65	M8	M10x1
HSK80A-MOD140-075	80	140	80	119	75	M10	M10x1
HSK100A-MOD060-055	100	60	30	44	55	M5	M8x1
HSK100A-MOD070-055	100	70	35	53	55	M6	M8x1
HSK100A-MOD080-055	100	80	40	63	55	M6	M8x1
HSK100A-MOD100-065	100	100	50	79	65	M8	M10x1
HSK100A-MOD117-065	100	117	60	96	65	M8	M10x1
HSK100A-MOD140-075	100	140	80	119	75	M10	M10x1

HSK

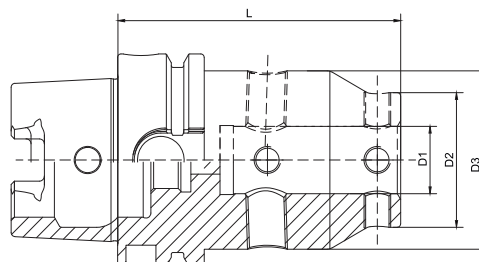
HSK

UM Adjustable Tool Holder

UM 调零刀柄



A ↗ ≤0.003	RPM G2.5/25000	AD
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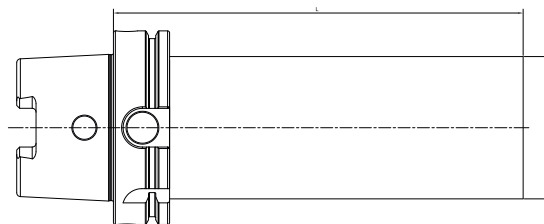


Size	D1	D2	D3	L
HSK50A-UM12-85	12	28	44.5	85
HSK50A-UM16-85	16	32	48	85
HSK50A-UM20-95	20	40	53	95
HSK50A-UM25-105	25	48	63	105
HSK50A-UM32-110	32	52	63	110
HSK63A-UM12-75	12	28	44.5	75
HSK63A-UM16-75	16	32	48	75
HSK63A-UM20-85	20	40	53	85
HSK63A-UM25-105	25	48	63	105
HSK63A-UM32-110	32	52	63	110
HSK100A-UM12-80	12	28	44.5	80
HSK100A-UM16-80	16	32	48	80
HSK100A-UM20-95	20	40	53	95
HSK100A-UM25-110	25	48	63	110
HSK100A-UM32-115	32	52	63	115

HSK

Boring Bar Blank

基础柄



Size	D	L
HSK50A-D050-160	50	160
HSK50A-D065-200	65	200
HSK63A-D065-160	65	160
HSK63A-D065-210	65	210
HSK63A-D065-250	65	250
HSK63A-D065-300	65	300
HSK63A-D080-160	80	160
HSK63A-D080-210	80	210
HSK63A-D080-250	80	250
HSK63A-D080-300	80	300
HSK63A-D100-160	100	160
HSK63A-D100-210	100	210
HSK63A-D100-250	100	250
HSK63A-D100-300	100	300
HSK63A-D120-160	120	160
HSK63A-D120-210	120	210
HSK63A-D120-250	120	250
HSK63A-D120-300	120	300
HSK100A-D080-160	80	160
HSK100A-D080-210	80	210
HSK100A-D080-250	80	250
HSK100A-D080-300	80	300
HSK100A-D100-160	100	160
HSK100A-D100-210	100	210
HSK100A-D100-250	100	250
HSK100A-D100-300	100	300
HSK100A-D120-160	120	160
HSK100A-D120-210	120	210
HSK100A-D120-250	120	250
HSK100A-D120-300	120	300

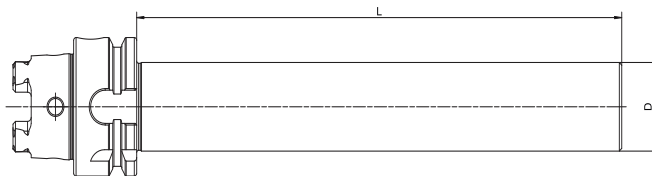
Usage: used for special tools; taper and flange are hardened and grinded, soft blank side for later processing.
Other sizes can be made by request.



Bright-tools

BRIGHT-TOOLS

Tool Holder DIN 69893 (ISO 12164) HSK-A

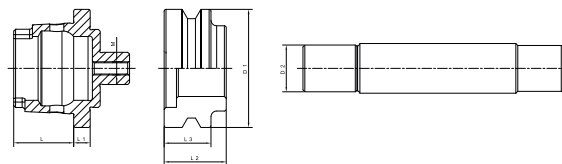
Test Arbor**主轴检测棒****A ↗** ≤ 0.002 

Size	D	L
HSK50A-32-200	32	200
HSK63A-40-300	40	300
HSK80A-50-300	50	300
HSK100A-50-300	50	300

HSK

Alignment Tool for ATC Arm

调整机械手用组合模具

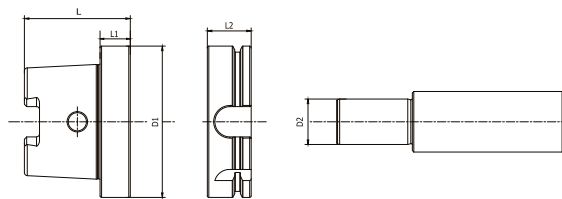


Size	D1	D2	L	L1	L2	L3	M
HSK50A-ATC-25D	50	25	25	8	22	18	M6
HSK63A-ATC-30D	63	30	32	8	30	18	M8
HSK80A-ATC-35D	80	35	40	8	36	18	M10
HSK100A-ATC-40D	100	40	50	10	45	19	M10

HSK

Alignment Tool for ATC Arm

调整机械手用组合模具



Size	D1	D2	L	L1	L2
HSK63A-ATC-20D	63	20	52	20	26
HSK100A-ATC-30D	100	30	70	20	29

Usage:

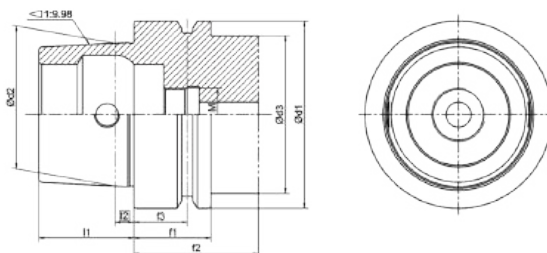
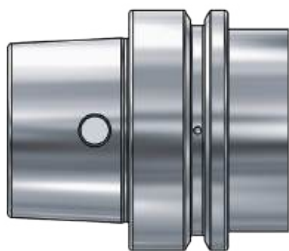
- 1) Put the Taper to the machine Spindle
- 2) Install flange to the ATC arm
- 3) Insert Pin into the flange
- 4) Adjust ATC arm and make sure the pin front part into the flange completely

HSK-E

TOOL HOLDERS

HSK-E Taper Standard

HSK-E 锥柄标准



Size	d1	d2	d3	l1	l2	f1	f2	f3
HSK20E	20	15.203	16	10	2	8	16	3.5
HSK25E	25	19.006	20	13	2.5	10	20	4.5
HSK32E	32	24.007	26	16	3.2	20	35	16
HSK40E	40	30.007	34	20	4	20	35	16
HSK50E	50	38.009	42	25	5	26	42	18
HSK63E	63	48.010	53	32	6.3	26	42	18

Taper standard: DIN 69893; ISO 12164

Material: Alloyed case hardened steel

Surface Treatment: Blackening and Bright

Taper tolerance: <AT3

Hardness: HRC 56-60

Carbon depth: 0.8±0.2mm

Surface Roughness: Ra<0.2µm

Balancing: G6.3/15000; G2.5/25000

HSK-E TOOLING SYSTEM

HSK-E 工具系统目录

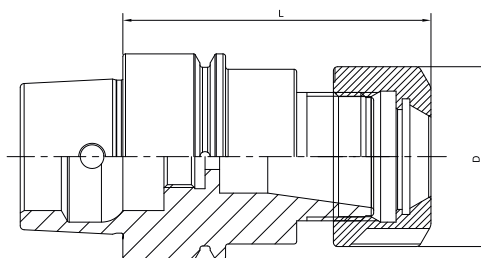
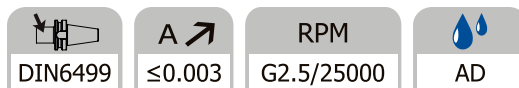
ER Collet Chuck.....	F.38
ER 弹簧夹头刀柄.....	F.38
Face Mill Holder.....	F.39
面铣刀柄.....	F.39
End Mill Holder.....	F.40
侧固刀柄.....	F.40
Test Arbor.....	F.41
主轴检测棒.....	F.41



HSK

ER Collet Chuck

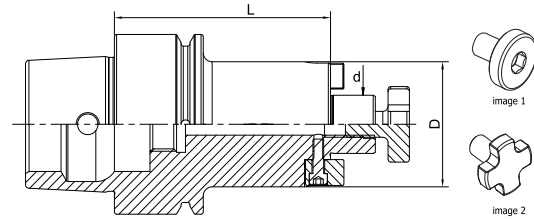
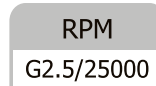
ER 弹簧夹头刀柄



Size	D	L	Capacity
HSK32E-ER11M-60	16	60	1-7
HSK32E-ER16M-60	22	60	1-10
HSK32E-ER20M-60	28	60	1-13
HSK32E-ER16A-60	28	60	1-10
HSK32E-ER20A-60	34	60	1-13
HSK40E-ER16A-60	28	60	1-10
HSK40E-ER20A-60	34	60	1-13
HSK40E-ER25-60	42	60	2-16
HSK40E-ER32-70	50	70	2-20
HSK50E-ER16A-80	28	80	1-10
HSK50E-ER25-80	42	80	2-16
HSK50E-ER32-85	50	85	2-20
HSK50E-ER40-100	63	100	3-26
HSK63E-ER16A-75	28	75	1-10
HSK63E-ER25-80	42	80	2-16
HSK63E-ER32-90	50	90	2-20
HSK63E-ER40-120	63	120	3-26

HSK

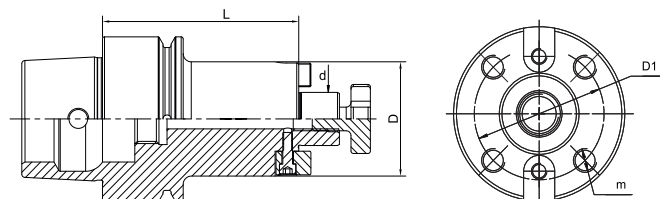
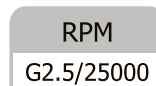
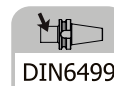
Face Mill Holder 面铣刀柄



Size	d	D	L1
HSK32E-FMB16-50	16	38	50
HSK40E-FMB16-50	16	38	50
HSK40E-FMB22-50	22	48	50
HSK40E-FMB27-55	27	58	55
HSK50E-FMB16-50	16	38	50
HSK50E-FMB22-60	22	48	60
HSK50E-FMB27-60	27	58	60
HSK50E-FMB32-60	32	78	60
HSK63E-FMB16-50	16	38	50
HSK63E-FMB22-60	22	48	60
HSK63E-FMB27-60	27	58	60
HSK63E-FMB32-60	32	78	60

Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国市场面铣刀柄标配圆头螺钉 (图 1), 其他国家标配十字花螺钉 (图 2).

Face Mill Holder 面铣刀柄



Size	d	D	D2	L	M	m
HSK63E-FMB40-60	40	88	66.7	60	M20	M12

FMB40 tool holder is with one retaining screw (image 2) . but it is with one universal screw (image 1) in China.

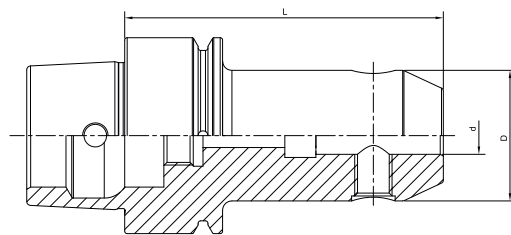
FMB40 刀柄中国市场面铣刀柄标配圆头螺钉 (图 1), 其他国家标配十字花螺钉 (图 2).

End Mill Holder Weldon

侧固刀柄

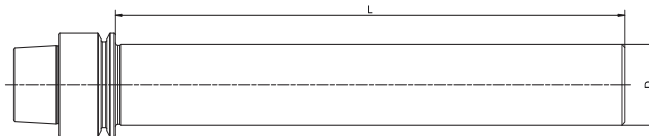


			
DIN6359/1835B	A ≤ 0.005	RPM G2.5/25000	AD



Size	d	D	L	M	Screw Quantity
HSK32E-SLA06-60	6	25	60	M6	1
HSK32E-SLA08-60	8	28	60	M8	1
HSK32E-SLA10-65	10	35	65	M10	1
HSK40E-SLA06-60	6	25	60	M6	1
HSK40E-SLA08-60	8	28	60	M8	1
HSK40E-SLA10-60	10	35	60	M10	1
HSK40E-SLA12-70	12	42	70	M12	1
HSK40E-SLA14-75	14	44	75	M12	1
HSK40E-SLA16-75	16	48	75	M14	1
HSK40E-SLA20-75	20	52	75	M16	1
HSK50E-SLA06-65	6	25	65	M6	1
HSK50E-SLA08-65	8	28	65	M8	1
HSK50E-SLA10-65	10	35	65	M10	1
HSK50E-SLA12-80	12	42	80	M12	1
HSK50E-SLA14-80	14	44	80	M12	1
HSK50E-SLA16-80	16	48	80	M14	1
HSK50E-SLA18-80	18	50	80	M14	1
HSK50E-SLA20-80	20	52	80	M16	1
HSK50E-SLA20-100	20	52	100	M16	1
HSK50E-SLA25-102	25	65	102	M18*2	2
HSK63E-SLA06-65	6	25	65	M6	1
HSK63E-SLA08-65	8	28	65	M8	1
HSK63E-SLA10-65	10	35	65	M10	1
HSK63E-SLA12-80	12	42	80	M12	1
HSK63E-SLA14-80	14	44	80	M12	1
HSK63E-SLA16-80	16	48	80	M14	1
HSK63E-SLA18-80	18	50	80	M14	1
HSK63E-SLA20-80	20	52	80	M16	1
HSK63E-SLA25-110	25	65	110	M18*2	2
HSK63E-SLA32-110	32	72	110	M20*2	2
HSK63E-SLA40-120	40	80	120	M20*2	2

HSK

Test Arbor
主轴检测棒A ↗
≤0.002

Size	D	L
HSK25E-20-150	20	150
HSK32E-25-180	25	180
HSK40E-25-180	25	180
HSK50E-32-200	32	200

HSK-F

TOOL HOLDERS



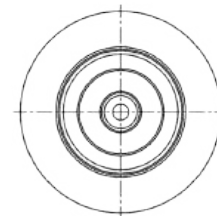
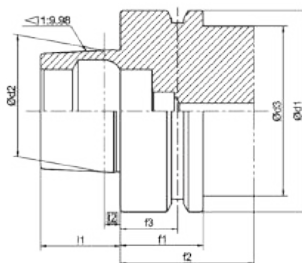
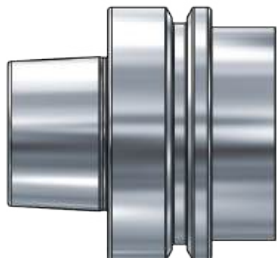
Bright-tools

BRIGHT-TOOLS

Tool Holder DIN 69893 (ISO 12164) HSK-F

HSK-F Taper Standard

HSK-F 锥柄标准



Size	d1	d2	d3	l1	l2	f1	f2	f3
HSK50F	50	30.007	42	20	4	26	42	18
HSK63F	63	38.009	53	25	5	26	42	18
HSK80F	80	48.010	68	32	6.3	26	42	18

Taper standard: DIN 69893; ISO 12164**Material:** Alloyed case hardened steel**Surface Treatment:** Blackening and Bright**Taper tolerance:** <AT3**Hardness:** HRC 56-60**Carbon depth:** 0.8±0.2mm**Surface Roughness:** Ra<0.2µm**Balancing:** G6.3/15000; G2.5/25000

HSK

HSK-F TOOLING SYSTEM

HSK-F 工具系统目录

ER Collet Chuck.....	F.46
ER 弹簧夹头刀柄.....	F.46
OZ Collet Chuck.....	F.46
OZ 夹头刀柄	F.46
Face Mill Holder.....	F.47
面铣刀柄.....	F.47
End Mill Holder.....	F.47
侧固刀柄	F.47
Morse Taper Adapter	F.48
带扁尾莫氏刀柄.....	F.48
Boring Bar Blank.....	F.48
基础柄.....	F.48
Precision Drill Chuck Holder	F.49
精密钻夹头刀柄.....	F.49
Test Arbor	F.49
主轴检测棒.....	F.49

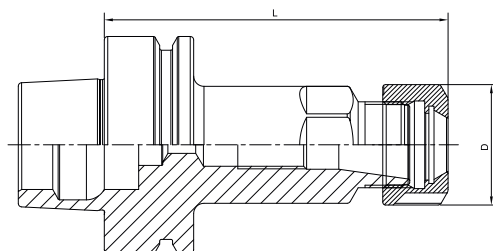


HSK

ER Collet Chuck

ER 弹簧夹头刀柄

			
DIN6499	≤0.003	G2.5/25000	AD

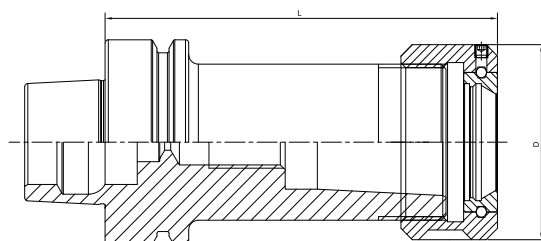


Size	D	L	Capacity
HSK40F-ER16-60	28	60	1-10
HSK40F-ER25-60	42	60	2-16
HSK50F-ER25-70	42	70	2-16
HSK50F-ER32-80	50	80	2-20
HSK50F-ER40-80	63	80	3-26
HSK63F-ER16-60	28	60	1-10
HSK63F-ER25-70	42	70	2-16
HSK63F-ER32-75	50	75	2-20
HSK63F-ER40-80	63	80	3-26
HSK63F-ER16-100	28	100	1-10
HSK63F-ER25-100	42	100	2-16
HSK63F-ER32-100	50	100	2-20
HSK63F-ER40-100	63	100	3-26

OZ Collet Chuck

OZ 夹头刀柄

			
DIN6391	≤0.005	G2.5/25000	AD

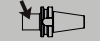


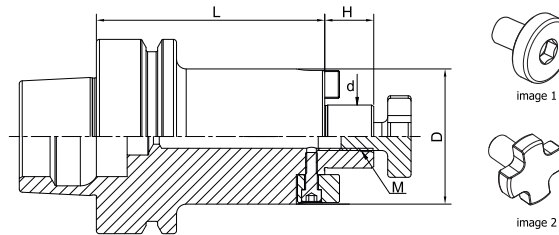
Size	D	L	Capacity
HSK63F-OZ25-90	60	90	3-25

Face Mill Holder

面铣刀柄



 DIN6357	 A ≤ 0.005	 RPM G2.5/25000	 AD
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Size	d	D	L	H	M
HSK63F-FMB16-50	16	38	50	17	M8
HSK63F-FMB22-60	22	48	60	19	M10
HSK63F-FMB27-60	27	58	60	21	M12
HSK63F-FMB32-60	32	78	60	24	M16

Face mill holder is with retaining screw (image 2) except China, it is with universal screw (image 1) in China.
中国市场的铣刀柄标配圆头螺钉 (图 1)，其他国家标配十字花螺钉 (图 2)。

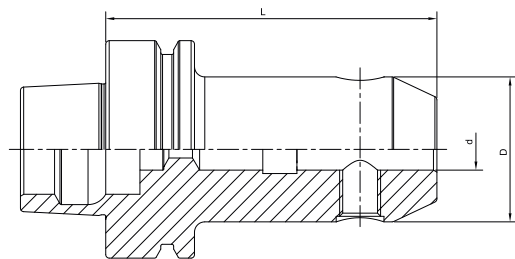
HSK

End Mill Holder Weldon

侧固刀柄



 DIN6359/1835B	 A ≤ 0.005	 RPM G2.5/25000	 AD
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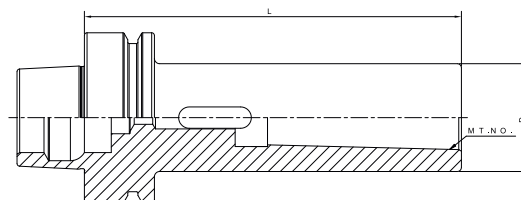
Size	d	D	L	M	Screw Quantity
HSK63F-SLA06-65	6	25	65	M6	1
HSK63F-SLA08-65	8	28	65	M8	1
HSK63F-SLA10-65	10	35	65	M10	1
HSK63F-SLA12-80	12	42	80	M12	1
HSK63F-SLA14-80	14	44	80	M12	1
HSK63F-SLA16-80	16	48	80	M14	1
HSK63F-SLA18-80	18	50	80	M14	1
HSK63F-SLA20-80	20	52	80	M16	1
HSK63F-SLA25-110	25	65	110	M18*2	2
HSK63F-SLA32-110	32	72	110	M20*2	2

Morse Taper Adapter with Tang

带扁尾莫氏刀柄



		
DIN6383	≤0.005	RPM G2.5/25000

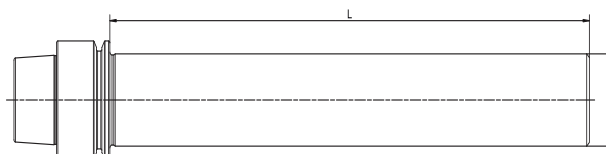


Size	MT.NO.	D	L
HSK63F-MTA1-100	1	25	100
HSK63F-MTA2-120	2	32	120
HSK63F-MTA3-140	3	40	140
HSK63F-MTA4-160	4	48	160

HSK

Boring Bar Blank

基础柄

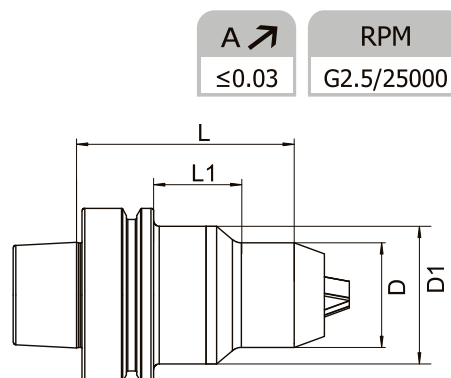


Size	D	L
HSK63F-65-160	65	160
HSK63F-65-250	65	250

Other sizes can be made by request.

Precision Drill Chuck Holder

精密钻夹头刀柄



A ↗
≤0.03

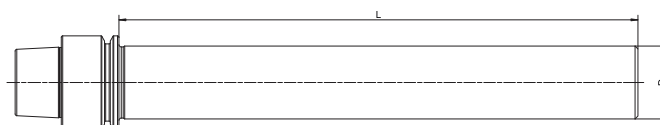
RPM
G2.5/25000

Size	D	D1	L	L1	Capacity
HSK63F-CPU10-90	38	50	90	32	1-10
HSK63F-CPU13-100	50	-	100	-	1-13
HSK63F-CPU16-100	50	-	100	-	1-16

HSK

Test Arbor

主轴检测棒



A ↗
≤0.002

Size	D	L
HSK63F-40-300	40	300

HSK-T

TOOL HOLDERS



Bright-tools

BRIGHT-TOOLS

HSK63T

D

C

L

N

刀柄尺寸
Taper Size

HSK63T
HSK100T

可转位刀片夹紧方式
Insert Clamping Way

C	从上面压紧 Clamp
D	从上面穿过孔压紧 Clamp/inserts with center hole
M	从上面用孔压紧 Pin/Clamp
P	杠杆压紧 Pin/Wedge or Lever
S	通过孔拧紧 Screw

可转位刀片形状
Insert Shape

C	80°
D	55°
S	90°
V	35°
W	80°

刀杆偏角
Holder Angle

A	90°
B	75°
D	45°
G	90°
H	107.5°
J	93°
L	95°
M	50°
N	62.5°
P	117.5°
Q	107.5°
R	75°
S	45°
U	93°
V	72.5°

可转位刀片后角
Insert Clearance Angle

B	5°
C	7°
N	0°

HSK

HSK

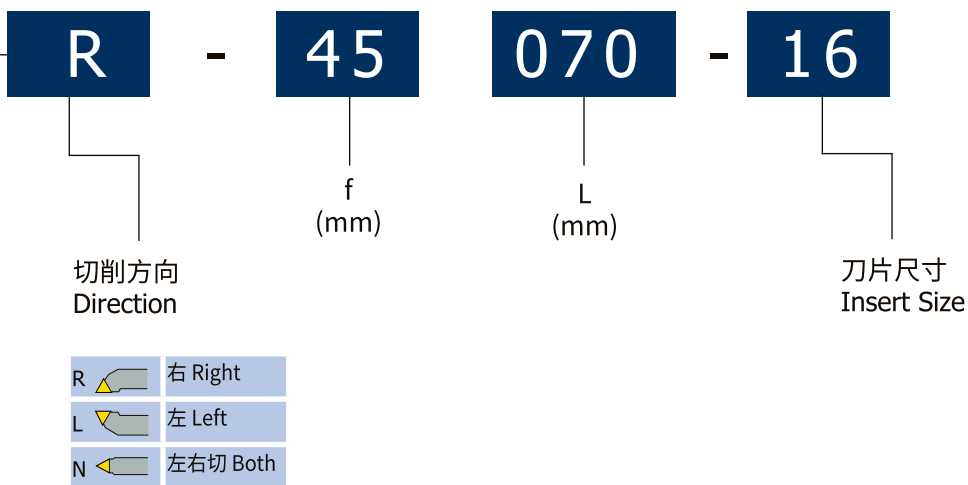
刀柄款式
Taper

HSK

63T

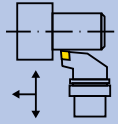
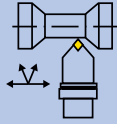
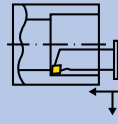
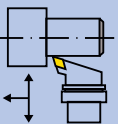
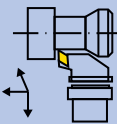
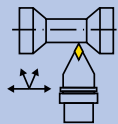
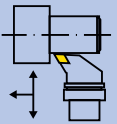
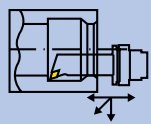
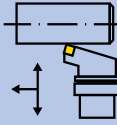
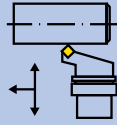
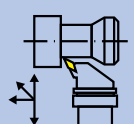
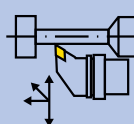
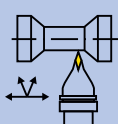
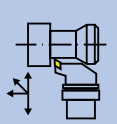
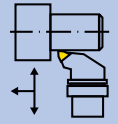
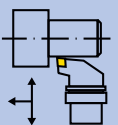
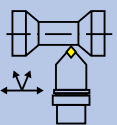
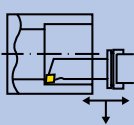
刀柄尺寸
Taper Size

HSK63T
HSK100T

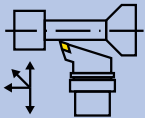
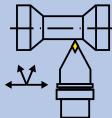
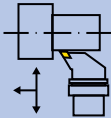
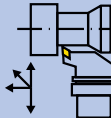
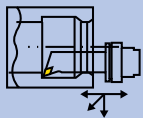
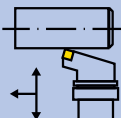
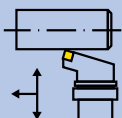
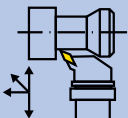
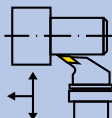
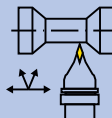
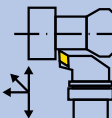
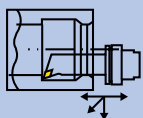


车刀刀体 HSK-T

车刀刀体 HSK-T 产品总览

刀片形状 Insert Shape	DCLN PCLN 95° / 80°	DCMNN PCMNN 50° / 80° / 50°	DCLN PCLN 长型 95° / 80°		
C 					
刀片形状 Insert Shape	DDHN PDHN 55° / 93°	DDJN PDJN 55° / 93°	DDNNN PDNNN 62.5° / 55° / 62.5°	DDUN PDUN 93° / 55°	DDQN PDQN 长型 107.5° / 55°
D 					
刀片形状 Insert Shape	DSBN PSBN 90° / 75°	DSSN PSSN 45° / 90°			
S 					
刀片形状 Insert Shape	DVPCR DVPNL 117.5° / 35°	DVUNR DVUNL 93° / 35°	DVVNN 72.5° / 35° / 72.5°	DVJNR DVJNL 72.5° / 35° / 72.5°	
V 					
刀片形状 Insert Shape	DWLN PWLN 95° / 80°				
W 					
刀片形状 Insert Shape	SCLCR SCLCL 95° / 80°	SCMCN 50° / 80° / 50°	SCLC 长型 95° / 80°		
C 					

车刀刀体 HSK-T 车刀刀体 HSK-T 产品总览

刀片形状 Insert Shape	SDHCR SDHCL 107.5° / 55°	SDNCN 62.5°/55°/62.5°	SDJCR SDJCL 93° / 55°	SDUCR SDUCL 93° / 55°	SDQC 长型 107.5° / 55°
D 					
刀片形状 Insert Shape	SSBCR SSBCL 75° / 90°	SSSCR SSSCL 45° / 90°			
S 					
刀片形状 Insert Shape	SVPB SVPC 117.5° / 35°	SVUB SVUC 93° / 35°	SVVB SVVC 72.5° / 35° / 72.5°	SVJB SVJC 93° / 35°	SVQC 长型 107.5° / 55°
V 					

HSK

HSK-T TOOLING SYSTEM

HSK-T 工具系统

Boring Bar HolderF.58

复合刀具，镗孔刀夹

FacingF.59

复合车刀座，端面加工

External and Facing.....F.59

复合车刀座，外径端面加工

External and Cut-off.....F.60

复合车刀座，外径切断加工

External and Facing.....F.60

复合车刀座，外径端面加工

Turning Tool, Negative.....F.61

车刀刀体，负前角刀片

DCLNR | DCLNL 95°/80°

PCLNR | PCLNL 95°/80°F.61

DCMNN 50°/80°/50°/62

PCMNN 50°/80°/50°/62

DDJNR | DDJNL 55°/93°

PDJNR | PDJNL 55°/93°

DDNNN 62.5°/55°/62.5°

PDNNN 62.5°/55°/62.5°

DDUNR | DDUNL 49°/55°

PDUNR | PDUNL 49°/55°

DSBNR | DSBNL 60°/75°

PSBNR | PSBNL 60°/75°

DSSNR | DSSNL 65°/90°

PSSNR | PSSNL 65°/90°

DVPRN | DVPRL 117.5°/35°

DVUNR | DVUNL 73°/35°

DVNNN 72.5°/35°/72.5°

DVJNR | DVJNL 93°/35°

DWLNR | DWLNL 95°/80°

PWLNR | PWLNL 95°/80°

Turning Tool, Positive.....F.69

车刀刀体，正前角刀片

SCLCR | SCLCL 95°/80°F.69

SCMCN 50°/80°/50°F.69

SDQCR | SDQCL 107.5°/55°F.69

SDNCN 62.5°/55°/62.5°F.69

SDJCR | SDJCL 93°/55°F.70

SDUCR | SDUCL 93°/55°F.70

SSBCR | SSBCCL 75°/90°F.70

SSSCR | SSSCL 45°/90°F.71

SVPBR | SVPBL | SVPCR | SVPCL 117.5°/35°F.71

SVUBR | SVUBL | SVUCR | SVUCL 93°/35°F.72

SVWBN | SVWCN 72.5°/35°/72.5°F.72

SVJBR | SVJBL | SVJCR | SVJCL 93°/35°F.73

长型 PCLNR | PCLNL 95°/80°F.74

长型 PDQNR | PDQNL 107.5°/55°F.74

长型 DDQNR | DDQNL 107.5°/55°F.75

长型 SCLCR | SCLCL 95°/80°F.75

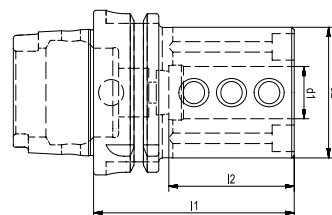
长型 SVQCR | SVQCL 107.5°/55°F.76



HSK

HSK·T Boring Bar Holder

复合刀具, 镗孔刀夹

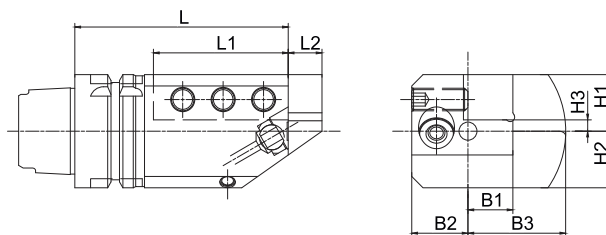


Size	d1	d2	l1	l2
HSK40TAX-E2-08	8	32	60	37
HSK40TAX-E2-10	10	34	60	37
HSK40TAX-E2-12	12	36	65	40
HSK40TAX-E2-16	16	40	70	42
HSK40TAX-E2-20	20	45	70	42
HSK50TAX-E2-10	10	38	75	45
HSK50TAX-E2-12	12	40	75	45
HSK50TAX-E2-16	16	45	80	50
HSK50TAX-E2-20	20	50	80	47
HSK50TAX-E2-25	25	55	85	50
HSK63TAX-E2-06	6	30	65	40
HSK63TAX-E2-08	8	32	70	40
HSK63TAX-E2-10	10	38	75	45
HSK63TAX-E2-12	12	40	75	45
HSK63TAX-E2-16	16	45	80	50
HSK63TAX-E2-20	20	50	80	50
HSK63TAX-E2-25	25	55	85	52
HSK63TAX-E2-32	32	72	108	60
HSK63TAX-E2-40	40	80	120	72
HSK100TAX-E2-16	16	45	85	48
HSK100TAX-E2-20	20	50	85	48
HSK100TAX-E2-25	25	55	85	48
HSK100TAX-E2-32	32	72	95	58
HSK100TAX-E2-40	40	80	110	73
HSK100TAX-E2-50	50	90	120	82

HSK

HSK·T Turning Tools for Facing

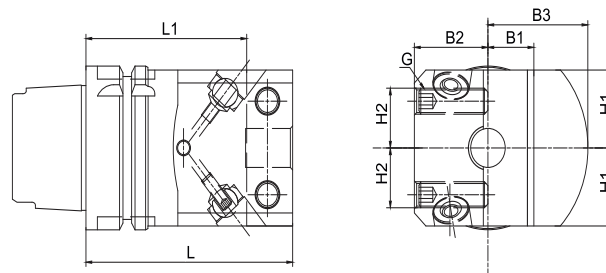
复合车刀座，端面加工



Size	L	L1	L2	B1	B2	B3	H1	H2	H3	G
HSK50T-SBV2020R-105	105	60	15	20	25	43.5	25	25	5	M10
HSK50T-SBV2020L-105	105	60	15	20	25	43.5	25	25	5	M10
HSK63T-SBV2020R-105	105	60	15	20	32	43.5	33	32	13	M10
HSK63T-SBV2020L-105	105	60	15	20	32	43.5	33	32	13	M10
HSK63T-SBV2525R-115	115	70	20	25	32	45	30	30	5	M12
HSK63T-SBV2525L-115	115	70	20	25	32	45	30	30	5	M12
HSK100T-SBV2525R-160	160	110	20	25	37	59	48	44	23	M12
HSK100T-SBV2525L-160	160	110	20	25	37	59	48	44	23	M12
HSK100T-SBV3232R-160	160	110	20	32	40	68.5	45	44	15	M14
HSK100T-SBV3232L-160	160	110	20	32	40	68.5	45	44	15	M14

HSK·T Turning Tools for External and Facing

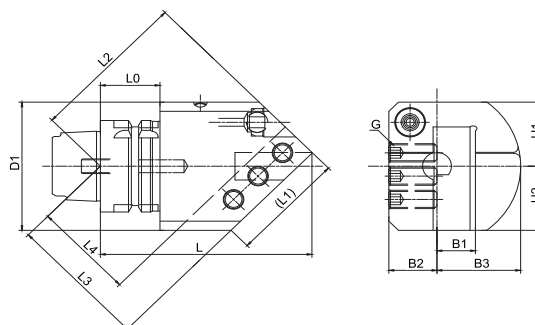
复合车刀座，外径端面加工



Size	L	L1	B1	B2	B3	H1	H2	G
HSK50T-SBH2020N-100	100	80	20	25	43.5	27.5	-	M10
HSK50T-SBH2020N-130	130	110	20	25	43.5	27.5	-	M10
HSK63T-SBH2020N-100	100	80	20	32	43.5	30	-	M10
HSK63T-SBH2525N-90	90	75	25	32	53	40.5	29.5	M12
HSK63T-SBH2525N-120	120	105	25	32	53	40.5	29.5	M12
HSK100T-SBH2525N-115	115	90	25	32	59	48	37	M12
HSK100T-SBH2525N-160	160	135	25	32	59	48	37	M12
HSK100T-SBH3232N-115	115	85	32	40	68.5	57	43	M14

HSK·T Turning Tools for External and Cut-off

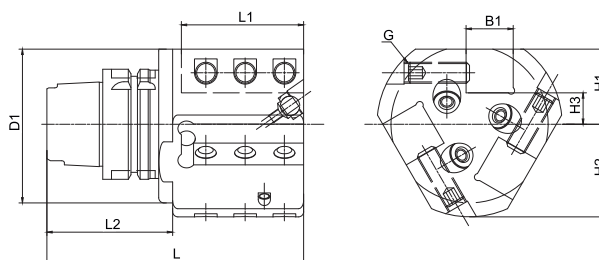
复合车刀座, 外径切断加工



Size	L	L1	L2	L3	L4	D1	B1	B2	B3	H1	H2	G
HSK50T-SBN2020R-120	120	60	83.1	72.8	52.8	-	20	25	43.5	35	35	M10
HSK50T-SBN2020L-120	120	60	83.1	72.8	52.8	-	20	25	43.5	35	35	M10
HSK63T-SBN2020R-120	120	60	83.1	72.8	52.8	-	20	32	43.5	35	35	M10
HSK63T-SBN2020L-120	120	60	83.1	72.8	52.8	-	20	32	43.5	35	35	M10
HSK63T-SBN2525R-120	120	70	85.2	70.8	45.8	90	25	32	53	39	39	M12
HSK63T-SBN2525L-120	120	70	85.2	70.8	45.8	90	25	32	53	39	39	M12
HSK100T-SBN2525R-145	145	70	102.9	88.5	63.5	-	25	32	59	43	43	M12
HSK100T-SBN2525L-145	145	70	102.9	88.5	63.5	-	25	32	59	43	43	M12
HSK100T-SBN3232R-150	150	85	109.9	89	59	-	32	37	68.5	48	43	M14
HSK100T-SBN3232L-150	150	85	109.9	89	59	-	32	37	68.5	48	43	M14

HSK·T Turning Tools for External and Facing

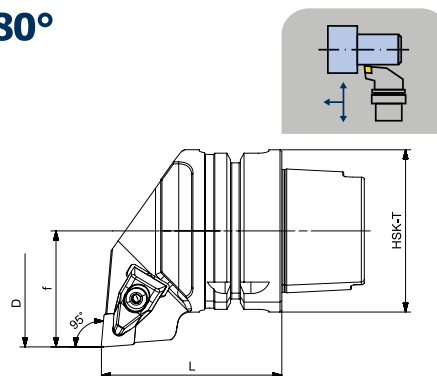
复合车刀座, 外径端面加工



Size	L	L1	L2	D1	B1	H1	H2	H3	G
HSK50T-SBT2020R-105	105	60	-	-	20	35	43.5	15	M10
HSK50T-SBT2020L-105	105	60	-	-	20	35	43.5	15	M10
HSK63T-SBT2020R-105	105	60	-	-	20	35	43.5	15	M10
HSK63T-SBT2020L-105	105	60	-	-	20	35	43.5	15	M10
HSK63T-SBT2525R-125	125	70	40	90	25	43	53	18	M12
HSK63T-SBT2525L-125	125	70	40	90	25	43	53	18	M12
HSK100T-SBT2525R-160	160	110	-	-	25	48	59	23	M12
HSK100T-SBT2525L-160	160	110	-	-	25	48	59	23	M12

HSK-T Turning Tool DCLNR | DCLNL 95°/80°

负前角刀片

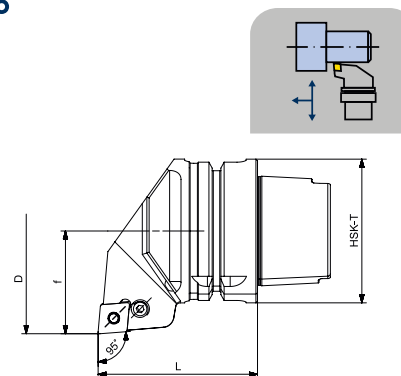


Size	f	D min	L	Direction	Inserts N.
HSK63T-DCLNR-45070-12	45	80	70	R	CN..1204..
HSK63T-DCLNL-45070-12	45	80	70	L	CN..1204..
HSK63T-DCLNR-45070-16	45	80	70	R	CN..1606..
HSK63T-DCLNL-45070-16	45	80	70	L	CN..1606..
HSK100T-DCLNR-63100-12	63	120	100	R	CN..1204..
HSK100T-DCLNL-63100-12	63	120	100	L	CN..1204..
HSK100T-DCLNR-63100-16	63	120	100	R	CN..1606..
HSK100T-DCLNL-63100-16	63	120	100	L	CN..1606..

HSK

HSK-T Turning Tool PCLNR | PCLNL 95°/80°

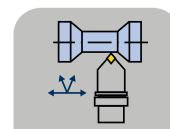
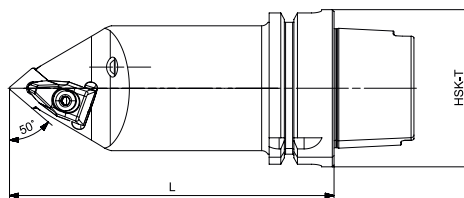
负前角刀片



Size	f	D min	L	Direction	Inserts N.
HSK63T-PCLNR-45070-12	45	80	70	R	CN..1204..
HSK63T-PCLNL-45070-12	45	80	70	L	CN..1204..
HSK63T-PCLNR-45070-16	45	80	70	R	CN..1606..
HSK63T-PCLNL-45070-16	45	80	70	L	CN..1606..
HSK100T-PCLNR-63100-12	63	120	100	R	CN..1204..
HSK100T-PCLNL-63100-12	63	120	100	L	CN..1204..
HSK100T-PCLNR-63100-16	63	120	100	R	CN..1606..
HSK100T-PCLNL-63100-16	63	120	100	L	CN..1606..
HSK100T-PCLNR-63100-19	63	120	100	R	CN..1906..
HSK100T-PCLNL-63100-19	63	120	100	L	CN..1906..

HSK-T Turning Tool DCMNN 50°/80°/50°

负前角刀片

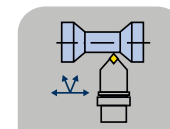
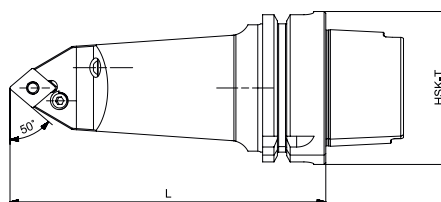


Size	L	Direction	Inserts N.
HSK63T-DCMNN-100-12	100	N	CN..1204..
HSK63T-DCMNN-130-12	130	N	CN..1204..
HSK63T-DCMNN-100-16	100	N	CN..1606..
HSK63T-DCMNN-130-16	130	N	CN..1606..
HSK100T-DCMNN-125-12	125	N	CN..1204..
HSK100T-DCMNN-125-16	125	N	CN..1606..

HSK

HSK-T Turning Tool PCMNN 50°/80°/50°

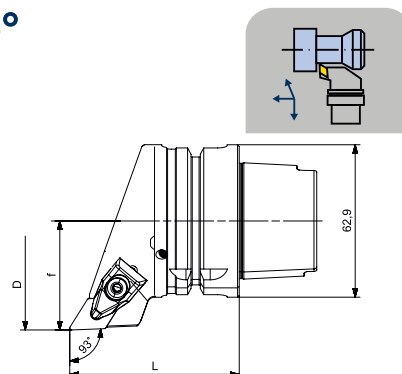
负前角刀片



Size	L	Direction	Inserts N.
HSK63T-PCMNN-100-12	100	N	CN..1204..
HSK63T-PCMNN-130-12	130	N	CN..1204..
HSK63T-PCMNN-100-16	100	N	CN..1606..
HSK63T-PCMNN-130-16	130	N	CN..1606..
HSK100T-PCMNN-125-12	125	N	CN..1204..
HSK100T-PCMNN-125-16	125	N	CN..1606..

HSK-T Turning Tool DDJNR | DDJNL 55°/93°

负前角刀片

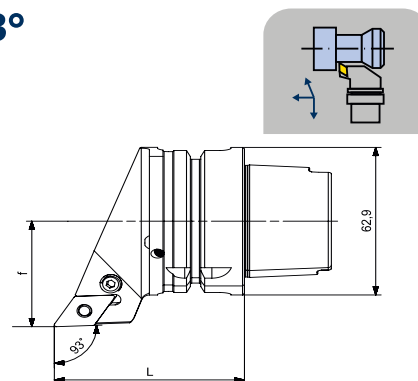


Size	f	L	Direction	Inserts N.
HSK63T-DDJNR-45075-15	45	70	R	DN..1506..
HSK63T-DDJNL-45075-15	45	70	L	DN..1506..
HSK100T-DDJNR-63100-15	63	100	R	DN..1506..
HSK100T-DDJNL-63100-15	63	100	L	DN..1506..

HSK

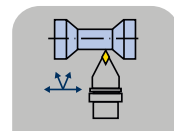
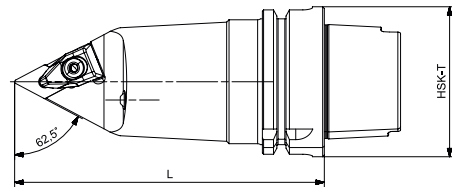
HSK-T Turning Tool PDJNR | PDJNL 55°/93°

负前角刀片



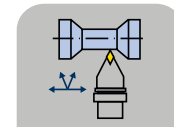
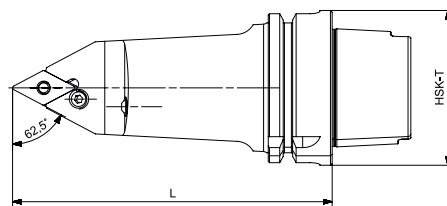
Size	f	L	Direction	Inserts N.
HSK63T-PDJNR-45070-15	45	70	R	DN..1506..
HSK63T-PDJNL-45070-15	45	70	L	DN..1506..
HSK100T-PDJNR-63100-15	63	100	R	DN..1506..
HSK100T-PDJNL-63100-15	63	100	L	DN..1506..

HSK-T Turning Tool DDNNN 62.5°/55°/62.5° 负前角刀片



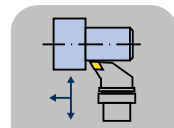
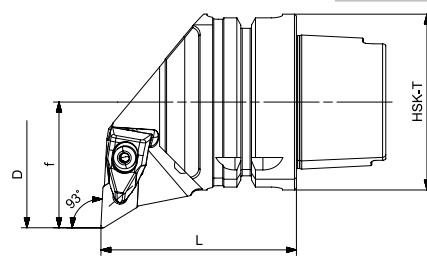
Size	L	Direction	Inserts N.
HSK63T-DDNNN-100-15	100	N	DN..1506..
HSK63T-DDNNN-130-15	130	N	DN..1506..
HSK100T-DDNNN-125-15	125	N	DN..1506..

HSK-T Turning Tool PDNNN 62.5°/55°/62.5° 负前角刀片



Size	L	Direction	Inserts N.
HSK63T-PDNNN-100-15	100	N	DN..1506..
HSK63T-PDNNN-130-15	130	N	DN..1506..
HSK100T-PDNNN-125-15	125	N	DN..1506..

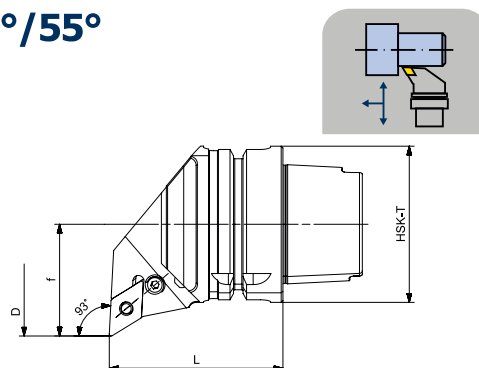
HSK-T Turning Tool DDUNR | DDUNL 93°/55° 负前角刀片



Size	f	D min	L	Direction	Inserts N.
HSK63T-DDUNR-45070-15	45	80	70	R	DN..1506..
HSK63T-DDUNL-45070-15	45	80	70	L	DN..1506..
HSK100T-DDUNR-63100-15	63	120	100	R	DN..1506..
HSK100T-DDUNL-63100-15	63	120	100	L	DN..1506..

HSK-T Turning Tool PDUNR | PDUNL 93°/55°

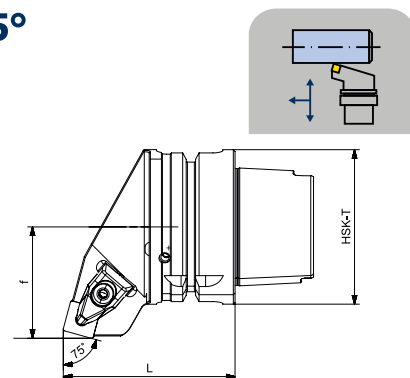
负前角刀片



Size	f	D min	L	Direction	Inserts N.
HSK63T-PDUNR-45070-15	45	80	70	R	DN..1506..
HSK63T-PDUNL-45070-15	45	80	70	L	DN..1506..
HSK100T-PDUNR-63100-15	63	120	100	R	DN..1506..
HSK100T-PDUNL-63100-15	63	120	100	L	DN..1506..

HSK-T Turning Tool DSBNR | DSBNL 90°/75°

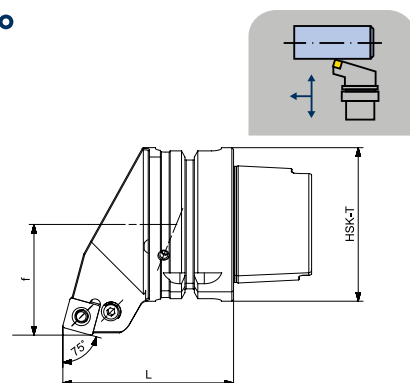
负前角刀片



Size	f	L	Direction	Inserts N.
HSK63T-DSBNR-45070-12	45	70	R	SN..1204..
HSK63T-DSBNL-45070-12	45	70	L	SN..1204..
HSK100T-DSBNR-63100-12	63	100	R	SN..1204..
HSK100T-DSBNL-63100-12	63	100	L	SN..1204..

HSK-T Turning Tool PSBNR | PSBNL 90°/75°

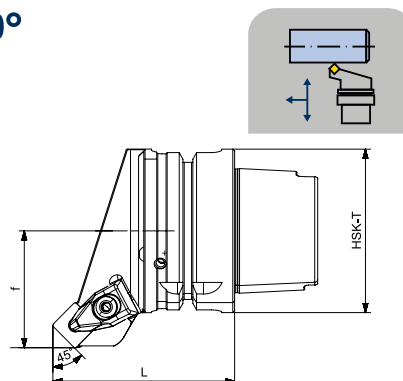
负前角刀片



Size	f	L	Direction	Inserts N.
HSK63T-PSBNR-45070-12	45	70	R	SN..1204..
HSK63T-PSBNL-45070-12	45	70	L	SN..1204..
HSK100T-PSBNR-63100-12	63	100	R	SN..1204..
HSK100T-PSBNL-63100-12	63	100	L	SN..1204..

HSK-T Turning Tool DSSNR | DSSNL 45°/90°

负前角刀片

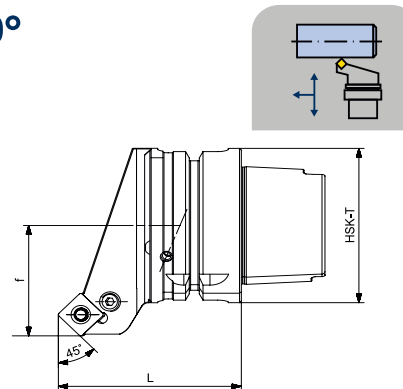


Size	f	D min	L	Direction	Inserts N.
HSK63T-DSSNR-45070-12	45	-	70	R	SN..1204..
HSK63T-DSSNL-45070-12	45	-	70	L	SN..1204..
HSK100T-DSSNR-63100-12	63	-	100	R	SN..1204..
HSK100T-DSSNL-63100-12	63	-	100	L	SN..1204..

HSK

HSK-T Turning Tool PSSNR | PSSNL 45°/90°

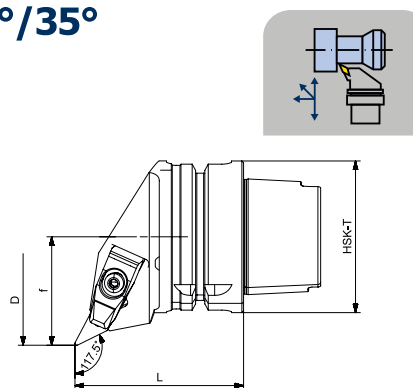
负前角刀片



Size	f	L	Direction	Inserts N.
HSK63T-PSSNR-45070-12	45	70	R	SN..1204..
HSK63T-PSSNL-45070-12	45	70	L	SN..1204..
HSK100T-PSSNR-63100-12	63	100	R	SN..1204..
HSK100T-PSSNL-63100-12	63	100	L	SN..1204..

HSK-T Turning Tool DVPNR | DVPNL 117.5°/35°

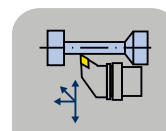
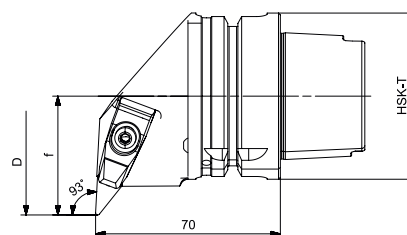
负前角刀片



Size	f	D min	L	Direction	Inserts N.
HSK63T-DVPNR-45070-16	45	80	70	R	VN..1604..
HSK63T-DVPNL-45070-16	45	80	70	L	VN..1604..
HSK100T-DVPNR-63100-16	63	120	100	R	VN..1604..
HSK100T-DVPNL-63100-16	63	120	100	L	VN..1604..

HSK-T Turning Tool DVUNR | DVUNL 93°/35°

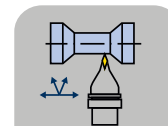
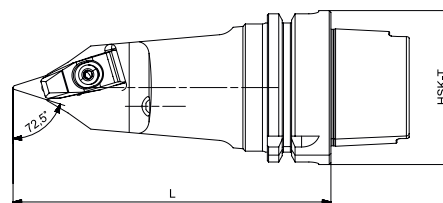
负前角刀片



Size	f	D min	L	Direction	Inserts N.
HSK63T-DVUNR-45070-16	45	80	70	R	VN..1604..
HSK63T-DVUNL-45070-16	45	80	70	L	VN..1604..
HSK100T-DVUNR-63100-16	63	120	100	R	VN..1604..
HSK100T-DVUNL-63100-16	63	120	100	L	VN..1604..

HSK-T Turning Tool DVVNN 72.5°/35°/72.5°

负前角刀片

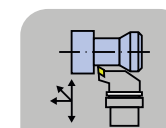
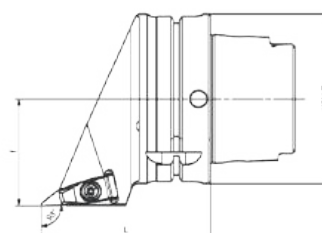


Size	L	Direction	Inserts N.
HSK63T-DVVNN-100-16	100	N	VN..1604..
HSK63T-DVVNN-130-16	130	N	VN..1604..
HSK100T-DVVNN-125-16	125	N	VN..1604..

HSK

HSK-T Turning Tool DVJNR | DVJNL 93°/35°

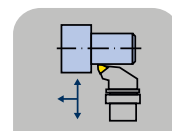
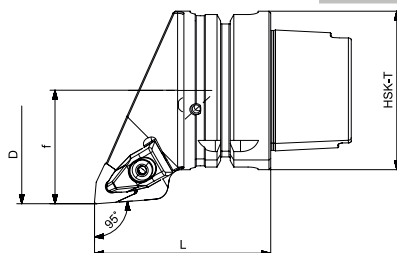
负前角刀片



Size	f	D min	L	Direction	Inserts N.
HSK100T-DVJNR16-100-63	63	-	100	R	VN..1604..
HSK100T-DVJNL16-100-63	63	-	100	L	VN..1604..

HSK-T Turning Tool DWLNR | DWLNL 95°/80°

负前角刀片

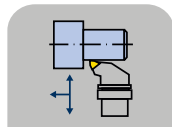
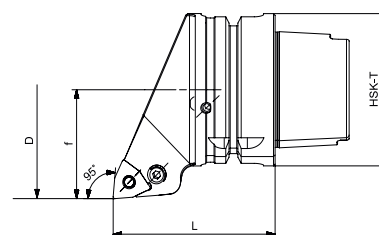


Size	f	D min	L	Direction	Inserts N.
HSK63T-DWLNR-45070-8	45	80	70	R	WN..0804..
HSK63T-DWLNL-45070-8	45	80	70	L	WN..0804..
HSK100T-DWLNR-63100-8	63	120	100	R	WN..0804..
HSK100T-DWLNL-63100-8	63	120	100	L	WN..0804..

HSK

HSK-T Turning Tool PWLNR | PWLNL 95°/80°

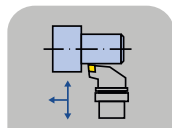
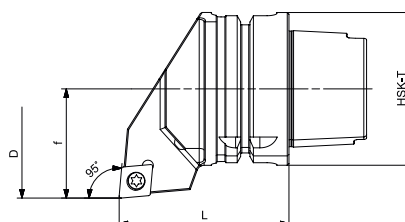
负前角刀片



Size	f	D min	L	Direction	Inserts N.
HSK63T-PWLNR-45070-8	45	80	70	R	WN..0804..
HSK63T-PWLNL-45070-8	45	80	70	L	WN..0804..
HSK100T-PWLNR-63100-8	63	120	100	R	WN..0804..
HSK100T-PWLNL-63100-8	63	120	100	L	WN..0804..

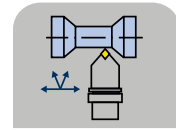
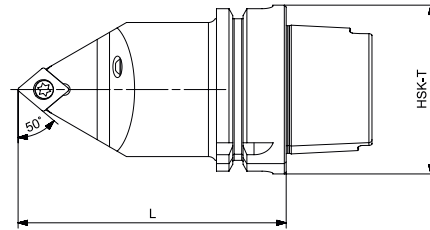
HSK-T Turning Tool SCLCR | SCLCL 95°/80°

正前角刀片



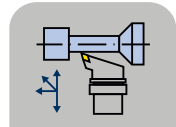
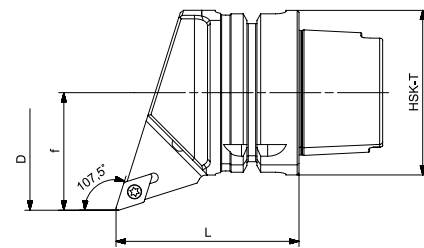
Size	f	D min	L	Direction	Inserts N.
HSK63T-SCLCR-45070-12	45	80	70	R	CC..1204..
HSK63T-SCLCL-45070-12	45	80	70	L	CC..1204..
HSK100T-SCLCR-63100-12	63	120	100	R	CC..1204..
HSK100T-SCLCL-63100-12	63	120	100	L	CC..1204..

HSK-T Turning Tool SCMCN 50°/80°/50° 正前角刀片



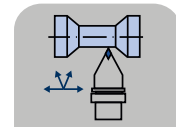
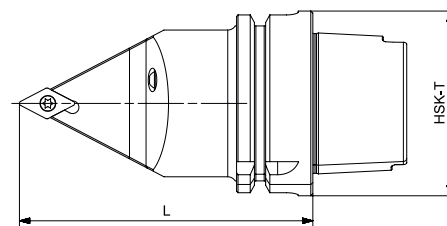
Size	L	Direction	Inserts N.
HSK63T-SCMCN-100-12	100	N	CC..1204..
HSK63T-SCMCN-130-12	130	N	CC..1204..
HSK100T-SCMCN-125-12	125	N	CC..1204..

HSK-T Turning Tool SDQCR | SDQCL 107.5°/55° 正前角刀片



Size	f	D min	L	Direction	Inserts N.
HSK63T-SDQCR-45070-11	45	80	70	R	DC..11T3..
HSK63T-SDQCL-45070-11	45	80	70	L	DC..11T3..
HSK100T-SDQCR-63100-11	63	120	100	R	DC..11T3..
HSK100T-SDQCL-63100-11	63	120	100	L	DC..11T3..

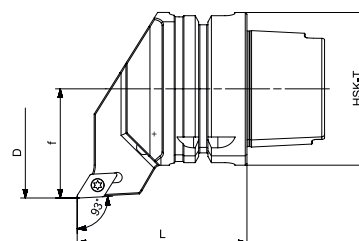
HSK-T Turning Tool SDNCN 62.5°/55°/62.5° 正前角刀片



Size	L	Direction	Inserts N.
HSK63T-SDNCN-100-11	100	N	DC..11T3..
HSK63T-SDNCN-130-11	130	N	DC..11T3..
HSK100T-SDNCN-125-11	125	N	DC..11T3..

HSK-T Turning Tool SDJCR | SDJCL 93°/55°

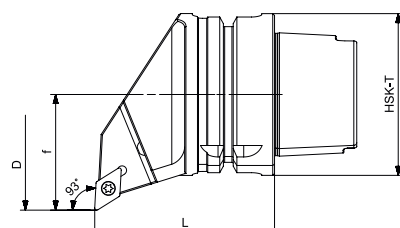
正前角刀片



Size	f	D min	L	Direction	Inserts N.
HSK63T-SDJCR-45070-11	45	80	70	R	DC..11T3..
HSK63T-SDJCL-45070-11	45	80	70	L	DC..11T3..
HSK100T-SDJCR-63100-11	63	120	100	R	DC..11T3..
HSK100T-SDJCL-63100-11	63	120	100	L	DC..11T3..

HSK-T Turning Tool SDUCR | SDUCL 93°/55°

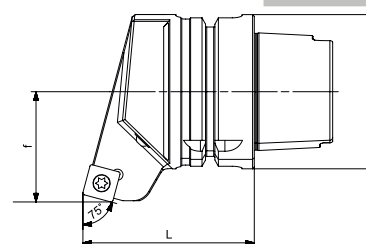
正前角刀片



Size	f	D	L	Direction	Inserts N.
HSK63T-SDUCR-45070-11	45	80	70	R	DC..11T3..
HSK63T-SDUCL-45070-11	45	80	70	L	DC..11T3..
HSK100T-SDUCR-63100-11	63	120	100	R	DC..11T3..
HSK100T-SDUCL-63100-11	63	120	100	L	DC..11T3..

HSK-T Turning Tool SSBCR | SSBCL 75°/90°

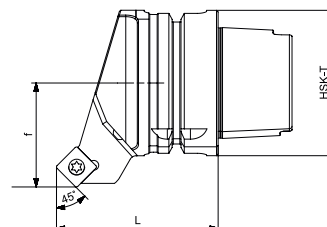
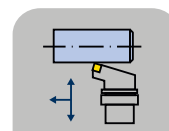
正前角刀片



Size	f	L	Direction	Inserts N.
HSK63T-SSBCR-45070-12	45	70	R	SC..1204..
HSK63T-SSBCL-45070-12	45	70	L	SC..1204..
HSK100T-SSBCR-63100-12	63	100	R	SC..1204..
HSK100T-SSBCL-63100-12	63	100	L	SC..1204..

HSK-T Turning Tool SSSCR | SSSCL 45°/90°

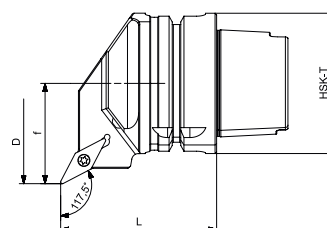
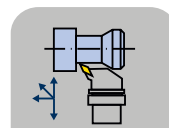
正前角刀片



Size	f	L	Direction	Inserts N.
HSK63T-SSSCR-45070-12	45	70	R	SC..1204..
HSK63T-SSSCL-45070-12	45	70	L	SC..1204..
HSK100T-SSSCR-63100-12	63	100	R	SC..1204..
HSK100T-SSSCL-63100-12	63	100	L	SC..1204..

HSK-T Turning Tool SVPBR | SVPBL | SVPCR | SVPCL 117.5°/35°

正前角刀片

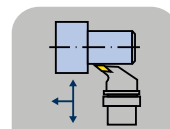
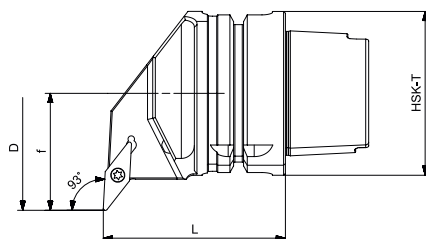


Size	f	D min	L	Direction	Inserts N.
HSK63T-SVPBR-45070-16	45	80	70	R	VB..1604..
HSK63T-SVPBL-45070-16	45	80	70	L	VB..1604..
HSK63T-SVPCR-45070-16	45	80	70	R	VC..1604..
HSK63T-SVPCL-45070-16	45	80	70	L	VC..1604..
HSK100T-SVPBR-63100-16	63	120	100	R	VB..1604..
HSK100T-SVPBL-63100-16	63	120	100	L	VB..1604..
HSK100T-SVPCR-63100-16	63	120	100	R	VC..1604..
HSK100T-SVPCL-63100-16	63	120	100	L	VC..1604..

HSK

HSK-T Turning Tool SVUBR | SVUBL | SVUCR | SVUCL 93°/35°

正前角刀片

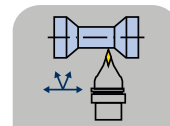
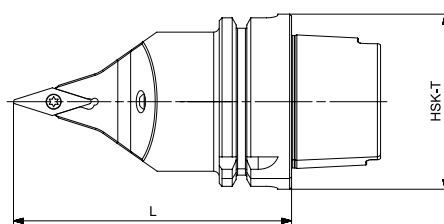


Size	f	D min	L	Direction	Inserts N.
HSK63T-SVUBR-45070-16	45	80	70	R	VB..1604..
HSK63T-SVUBL-45070-16	45	80	70	L	VB..1604..
HSK63T-SVUCR-45070-16	45	80	70	R	VC..1604..
HSK63T-SVUCL-45070-16	45	80	70	L	VC..1604..
HSK100T-SVUBR-63100-16	63	120	100	R	VB..1604..
HSK100T-SVUBL-63100-16	63	120	100	L	VB..1604..
HSK100T-SVUCR-63100-16	63	120	100	R	VC..1604..
HSK100T-SVUCL-63100-16	63	120	100	L	VC..1604..

HSK

HSK-T Turning Tool SVVBN | SVVCN 72.5°/35°/72.5°

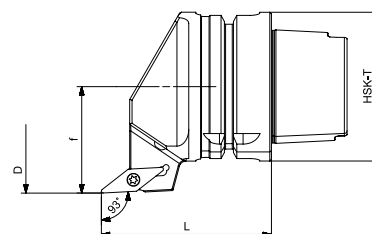
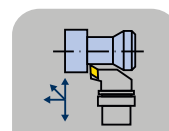
正前角刀片



Size	L	Direction	Inserts N.
HSK63T-SVVBN-100-16	100	N	VB..1604..
HSK63T-SVVBN-130-16	130	N	VB..1604..
HSK63T-SVVCN-100-16	100	N	VC..1604..
HSK63T-SVVCN-130-16	130	N	VC..1604..
HSK100T-SVVBN-125-16	125	N	VB..1604..
HSK100T-SVVCN-125-16	125	N	VC..1604..

HSK-T Turning Tool SVJBR | SVJBL | SVJCR | SVJCL 93°/35°

正前角刀片

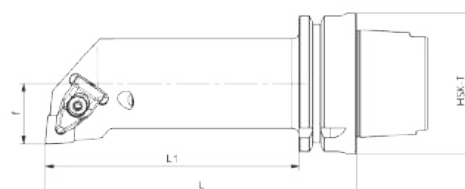
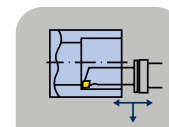


Size	f	D min	L	Direction	Inserts N.
HSK63T-SVJBR-45072-16	45	80	71.5	R	VB..1604..
HSK63T-SVJBL-45072-16	45	80	71.5	L	VB..1604..
HSK63T-SVJCR-45072-16	45	80	71.5	R	VC..1604..
HSK63T-SVJCL-45072-16	45	80	71.5	L	VC..1604..
HSK100T-SVJBR-63100-16	63	120	100	R	VB..1604..
HSK100T-SVJBL-63100-16	63	120	100	L	VB..1604..
HSK100T-SVJCR-63100-16	63	120	100	R	VC..1604..
HSK100T-SVJCL-63100-16	63	120	100	L	VC..1604..

HSK

HSK-T Turning Tool DCLNR | DCLNL 95°/80°

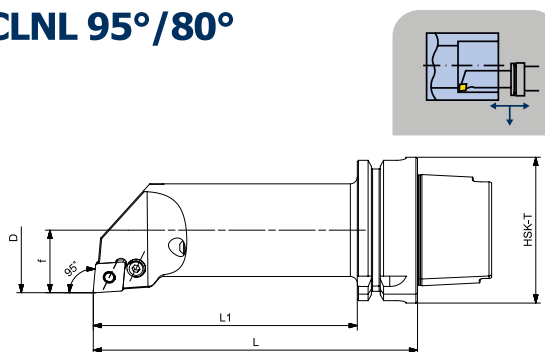
负前角刀片



Size	f	D min	L	L1	Direction	Inserts N.
HSK63T-DCLNR12-140-27	27	50	140	114	R	CN..1204..
HSK63T-DCLNL12-140-27	27	50	140	114	L	CN..1204..
HSK63T-DCLNR12-180-27	27	50	180	154	R	CN..1204..
HSK63T-DCLNL12-180-27	27	50	180	154	L	CN..1204..
HSK100T-DCLNR12-150-27	27	50	150	121	R	CN..1204..
HSK100T-DCLNL12-150-27	27	50	150	121	L	CN..1204..
HSK100T-DCLNR12-200-27	27	50	200	171	R	CN..1204..
HSK100T-DCLNL12-200-27	27	50	200	171	L	CN..1204..
HSK100T-DCLNR12-150-35	35	63	150	121	R	CN..1204..
HSK100T-DCLNL12-150-35	35	63	150	121	L	CN..1204..
HSK100T-DCLNR12-200-35	35	63	200	171	R	CN..1204..
HSK100T-DCLNL12-200-35	35	63	200	171	L	CN..1204..

HSK-T Turning Tool 长型 PCLNR | PCLNL 95°/80°

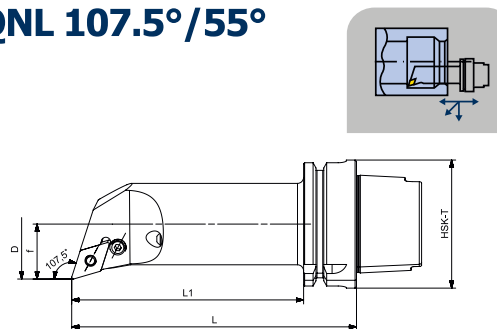
负前角刀片



Size	f	D min	L	L1	Direction	Inserts N.
HSK63T-PCLNR-27140-12	27	50	140	114	R	CN..1204..
HSK63T-PCLNL-27140-12	27	50	140	114	L	CN..1204..
HSK63T-PCLNR-27180-12	27	50	180	154	R	CN..1204..
HSK63T-PCLNL-27180-12	27	50	180	154	L	CN..1204..
HSK100T-PCLNR-27150-12	27	50	150	121	R	CN..1204..
HSK100T-PCLNL-27150-12	27	50	150	121	L	CN..1204..
HSK100T-PCLNR-27200-12	27	50	200	171	R	CN..1204..
HSK100T-PCLNL-27200-12	27	50	200	171	L	CN..1204..
HSK100T-PCLNR-35150-12	35	63	150	121	R	CN..1204..
HSK100T-PCLNL-35150-12	35	63	150	121	L	CN..1204..
HSK100T-PCLNR-35200-12	35	63	200	171	R	CN..1204..
HSK100T-PCLNL-35200-12	35	63	200	171	L	CN..1204..

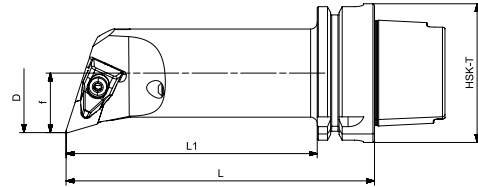
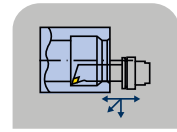
HSK-T Turning Tool 长型 PDQNR | PDQNL 107.5°/55°

负前角刀片



Size	f	D min	L	L1	Direction	Inserts N.
HSK63T-PDQNR-27140-15	27	50	140	114	R	DN..1506..
HSK63T-PDQNL-27140-15	27	50	140	114	L	DN..1506..
HSK63T-PDQNR-27180-15	27	50	180	154	R	DN..1506..
HSK63T-PDQNL-27180-15	27	50	180	154	L	DN..1506..
HSK100T-PDQNR-27150-15	27	50	150	121	R	DN..1506..
HSK100T-PDQNL-27150-15	27	50	150	121	L	DN..1506..
HSK100T-PDQNR-27200-15	27	50	200	171	R	DN..1506..
HSK100T-PDQNL-27200-15	27	50	200	171	L	DN..1506..
HSK100T-PDQNR-35150-15	35	63	150	121	R	DN..1506..
HSK100T-PDQNL-35150-15	35	63	150	121	L	DN..1506..
HSK100T-PDQNR-35200-15	35	63	200	171	R	DN..1506..
HSK100T-PDQNL-35200-15	35	63	200	171	L	DN..1506..

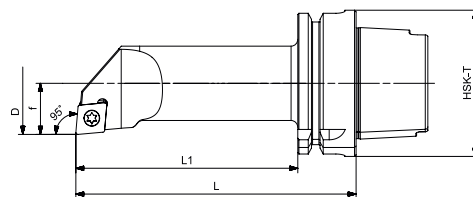
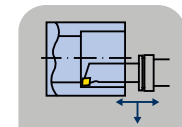
HSK-T Turning Tool 长型 DDQNR | DDQNL 107.5°/55° 负前角刀片



Size	f	D min	L	L1	Direction	Inserts N.
HSK63T-DDQNR-27140-15	27	50	140	114	R	DN..1506..
HSK63T-DDQNL-27140-15	27	50	140	114	L	DN..1506..
HSK63T-DDQNR-27180-15	27	50	180	154	R	DN..1506..
HSK63T-DDQNL-27180-15	27	50	180	154	L	DN..1506..
HSK100T-DDQNR-27150-15	27	50	150	121	R	DN..1506..
HSK100T-DDQNL-27150-15	27	50	150	121	L	DN..1506..
HSK100T-DDQNR-27200-15	27	50	200	171	R	DN..1506..
HSK100T-DDQNL-27200-15	27	50	200	171	L	DN..1506..
HSK100T-DDQNR-35150-15	35	63	150	121	R	DN..1506..
HSK100T-DDQNL-35150-15	35	63	150	121	L	DN..1506..
HSK100T-DDQNR-35200-15	35	63	200	171	R	DN..1506..
HSK100T-DDQNL-35200-15	35	63	200	171	L	DN..1506..

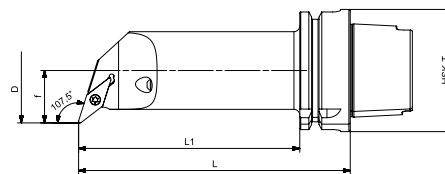
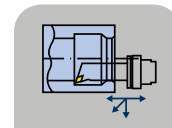
HSK

HSK-T Turning Tool SCLCR | SCLCL 95°/80° 正前角刀片



Size	f	D min	L	L1	Direction	Inserts N.
HSK63T-SCLCR-22125-12	22	40	125	99	R	CC..1204..
HSK63T-SCLCL-22125-12	22	40	125	99	L	CC..1204..
HSK63T-SCLCR-22160-12	22	40	160	134	R	CC..1204..
HSK63T-SCLCL-22160-12	22	40	160	134	L	CC..1204..
HSK63T-SCLCR-27140-12	27	50	140	114	R	CC..1204..
HSK63T-SCLCL-27140-12	27	50	140	114	L	CC..1204..
HSK63T-SCLCR-27180-12	27	50	180	154	R	CC..1204..
HSK63T-SCLCL-27180-12	27	50	180	154	L	CC..1204..

HSK-T Turning Tool 长型 SVQCR | SVQCL 107.5°/55° 正前角刀片



Size	f	D min	L	L1	Direction	Inserts N.
HSK63T-SVQCR11-85	13	25	85	59	R	VC..1103..
HSK63T-SVQCL11-85	13	25	85	59	L	VC..1103..
HSK63T-SVQCR11-100	17	32	100	74	R	VC..1103..
HSK63T-SVQCL11-100	17	32	100	74	L	VC..1103..
HSK63T-SVQCR-22125-16	22	40	125	99	R	VC..1604
HSK63T-SVQCL-22125-16	22	40	125	99	L	VC..1604
HSK63T-SVQCR-22160-16	22	40	160	134	R	VC..1604
HSK63T-SVQCL-22160-16	22	40	160	134	L	VC..1604
HSK63T-SVQCR-27140-16	27	50	140	114	R	VC..1604
HSK63T-SVQCL-27140-16	27	50	140	114	L	VC..1604
HSK63T-SVQCR-27180-16	27	50	180	154	R	VC..1604
HSK63T-SVQCL-27180-16	27	50	180	154	L	VC..1604

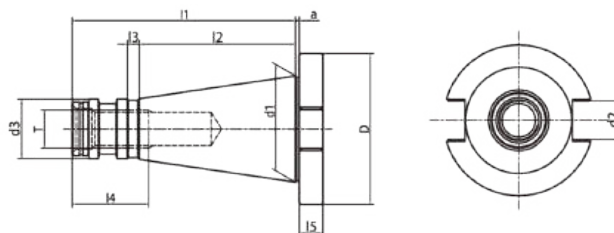
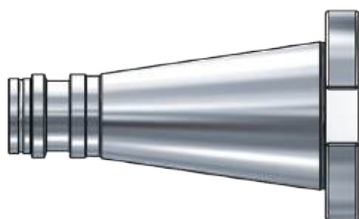
HSK

NT

TOOL HOLDERS

NT Taper Standard

NT 锥柄标准



Size	D	d1	d2	d3	a	l1	l2	l3	l4	l5	T
NT30	50	31.75	16.1	17.11	1.6	68.4	48.4	3	24	8	M12
NT40 OTT	63	44.45	16.1	25	1.6	93.4	65.4	5	32	10	M16
NT50 OTT	97.5	69.85	25.7	39.29	3.2	126.8	101.8	8	47	12	M24

Taper standard: DIN 2080

Material: Alloyed case hardened steel

Surface Treatment: Blackening and Bright

Taper tolerance: <AT3

Hardness: HRC 56-60

Carbon depth: 0.8±0.2mm

Surface Roughness: Ra<0.2μm

NT TOOLING SYSTEM

NT 工具系统

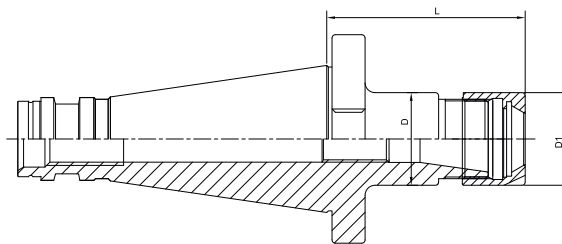
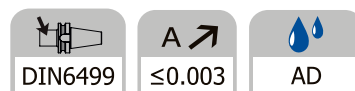
ER Collet Chuck.....	G.04
ER弹簧夹头刀柄	G.04
Power Milling Chuck.....	G.05
强力铣刀柄	G.05
OZ Collet Chuck.....	G.05
OZ夹头刀柄	G.05
Face Mill Holder	G.06
面铣刀柄	G.06
Combi Shell Mill Holder.....	G.07
混合插入式铣刀柄	G.07
End Mill Holder.....	G.08
侧固刀柄	G.08
Morse Taper Adapter.....	G.09
带扁尾莫氏刀柄	G.09
Morse Taper Adapter	G.10
带螺纹孔莫氏刀柄	G.10
Tool Holder Adapter Sleeve	G.10
转换刀柄.....	G.10
Drill Chuck Adapter.....	G.11
钻接杆	G.11
APU Drill Chuck Holder	G.11
APU钻夹头刀柄.....	G.11
Quick Change Tapping Chuck	G.12
弹性快换攻丝刀柄	G.12



NT

ER Collet Chuck

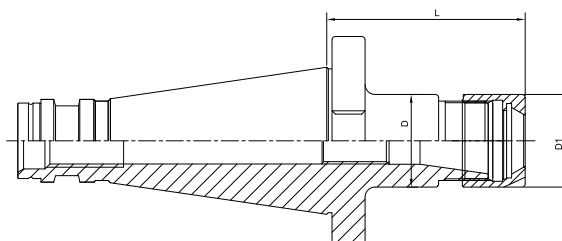
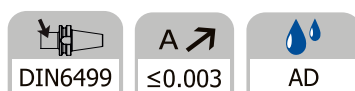
ER 弹簧夹头刀柄



Size	D	D1	L	Capacity
NT30-ER16-50	28	28	50	1-10
NT30-ER20-50	34	34	50	1-13
NT30-ER25-50	42	42	50	2-16
NT30-ER32-50	40	50	50	2-20
NT30-ER40-80	50	63	80	4-26
NT40-ER16-50 OTT	28	28	50	1-10
NT40-ER20-50 OTT	34	34	50	1-13
NT40-ER25-50 OTT	42	42	50	1-13
NT40-ER32-50 OTT	50	50	50	3-20
NT40-ER40-80 OTT	50	63	80	4-26
NT50-ER25-60 OTT	42	42	60	1-13
NT50-ER32-70 OTT	50	50	70	1-20
NT50-ER40-80 OTT	63	63	70	2-26
NT50-ER50-90 OTT	70	78	90	6-34

ER Collet Chuck with Mini Nut

ER 弹簧夹头刀柄



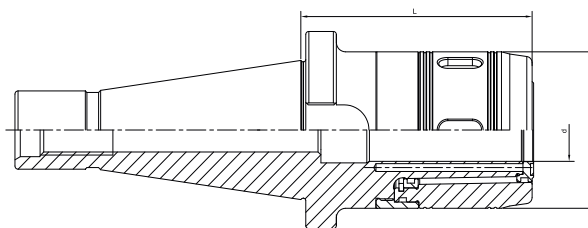
Size	D	D1	L	Capacity
NT30-ER16M-70	22	22	70	1-10
NT30-ER20M-70	28	28	70	1-13
NT30-ER25M-70	35	35	70	2-16
NT40-ER16M-60 OTT	22	22	60	1-10
NT40-ER20M-60 OTT	28	28	60	1-13
NT40-ER25M-60 OTT	35	35	60	2-16

Power Milling Chuck

强力铣刀柄



 ≤ 0.008


 AD


Size	d	D	L	Capacity	M
NT40-HC25-105 OTT	25	59	105	3-20; 25	M16
NT40-HC32-105 OTT	32	72	105	3-25; 32	M16
NT50-HC32-110 OTT	32	72	110	3-25; 32	M24
NT50-HC42-120 OTT	42	99	120	3-32; 42	M24

OZ Collet Chuck

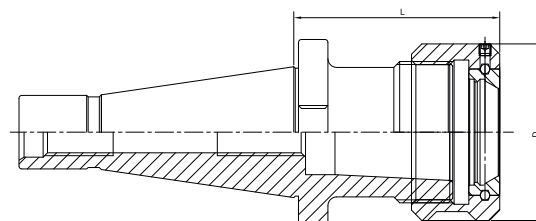
OZ 夹头刀柄



 DIN6391



 ≤ 0.005

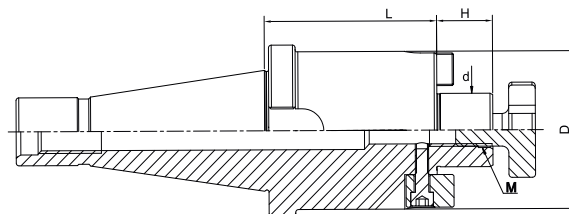
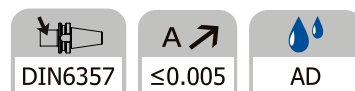

 AD


Size	D	L	Capacity
NT30-OZ16-50	43	50	2-16
NT30-OZ25-70	60	70	3-25
NT40-OZ16-70 OTT	43	70	2-16
NT40-OZ25-70 OTT	60	70	3-25
NT40-OZ32-80 OTT	72	80	6-32
NT50-OZ25-70 OTT	60	70	3-25
NT50-OZ32-80 OTT	72	80	6-32

NT

Face Mill Holder

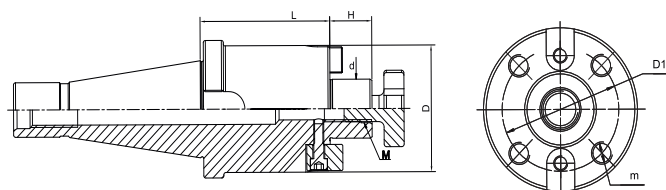
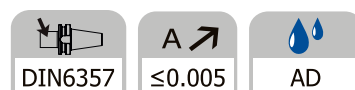
面铣刀柄



Size	d	D	L	H	M
NT30-FMB16-30	16	38	30	17	M8
NT30-FMB22-30	22	48	30	19	M10
NT30-FMB27-45	27	58	45	21	M12
NT30-FMB32-50	32	78	50	24	M16
NT40-FMB16-30 OTT	16	38	30	17	M8
NT40-FMB22-30 OTT	22	48	30	19	M10
NT40-FMB27-30 OTT	27	58	30	21	M12
NT40-FMB32-30 OTT	32	78	30	24	M16
NT50-FMB16-30 OTT	16	38	30	17	M8
NT50-FMB22-35 OTT	22	48	35	19	M10
NT50-FMB27-35 OTT	27	58	35	21	M12
NT50-FMB32-40 OTT	32	78	40	24	M16

Face Mill Holder

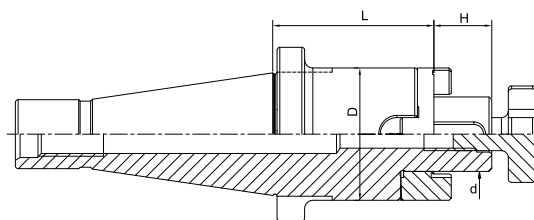
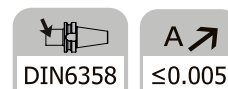
面铣刀柄



Size	d	D	D1	L	H	M	m
NT40-FMB40-30 OTT	40	88	66.7	30	27	M20	M12
NT50-FMB40-40 OTT	40	88	66.7	40	27	M20	M12

Combi Shell Mill Holder

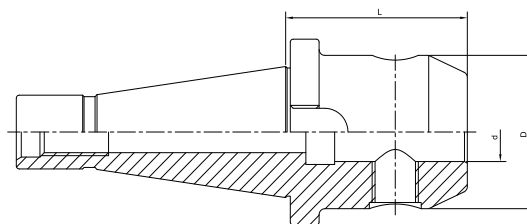
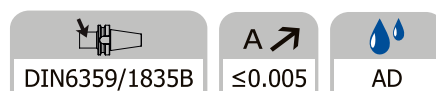
混合插入式铣刀柄



Size	d	D	L	L1
NT30-SEMC16-35	16	32	35	17
NT30-SEMC22-35	22	40	35	19
NT30-SEMC27-35	27	48	35	21
NT30-SEMC32-50	32	58	50	24
NT40-SEMC16-52 OTT	16	32	52	17
NT40-SEMC22-52 OTT	22	40	52	19
NT40-SEMC27-52 OTT	27	48	52	21
NT40-SEMC32-52 OTT	32	58	52	24
NT40-SEMC40-52 OTT	40	70	52	27
NT50-SEMC16-55 OTT	16	32	55	17
NT50-SEMC22-55 OTT	22	40	55	19
NT50-SEMC27-55 OTT	27	48	55	21
NT50-SEMC32-55 OTT	32	58	55	24
NT50-SEMC40-55 OTT	40	70	55	27

End Mill Holder Weldon

侧固刀柄



Size	d	D	L	M	Screw Quantity
NT30-SLA06-40	6	25	40	M6	1
NT30-SLA08-40	8	28	40	M8	1
NT30-SLA10-40	10	35	40	M10	1
NT30-SLA12-40	12	42	40	M12	1
NT30-SLA16-50	16	48	50	M14	1
NT30-SLA18-50	18	50	50	M14	1
NT30-SLA20-63	20	52	63	M16	1

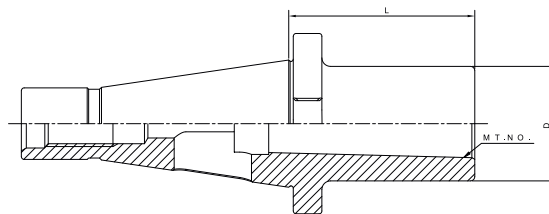
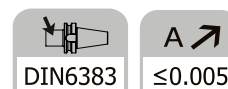
NT40-SLA06-50 OTT	6	25	50	M6	1
NT40-SLA08-50 OTT	8	28	50	M8	1
NT40-SLA10-50 OTT	10	35	50	M10	1
NT40-SLA12-50 OTT	12	42	50	M12	1
NT40-SLA14-50 OTT	14	44	50	M12	1
NT40-SLA16-63 OTT	16	48	63	M14	1
NT40-SLA18-63 OTT	18	50	63	M14	1
NT40-SLA20-63 OTT	20	52	63	M16	1
NT40-SLA25-80 OTT	25	65	80	M18*2	2
NT40-SLA32-80 OTT	32	72	80	M20*2	2
NT40-SLA40-90 OTT	40	80	90	M20*2	2

NT50-SLA06-63 OTT	6	25	63	M6	1
NT50-SLA08-63 OTT	8	28	63	M8	1
NT50-SLA10-63 OTT	10	35	63	M10	1
NT50-SLA12-63 OTT	12	42	63	M12	1
NT50-SLA14-63 OTT	14	44	63	M12	1
NT50-SLA16-63 OTT	16	48	63	M14	1
NT50-SLA18-63 OTT	18	50	63	M14	1
NT50-SLA20-63 OTT	20	52	63	M16	1
NT50-SLA25-80 OTT	25	65	80	M18*2	2
NT50-SLA32-80 OTT	32	72	80	M20*2	2
NT50-SLA40-90 OTT	40	80	90	M20*2	2

NT

Morse Taper Adapter with Tang

带扁尾莫氏刀柄

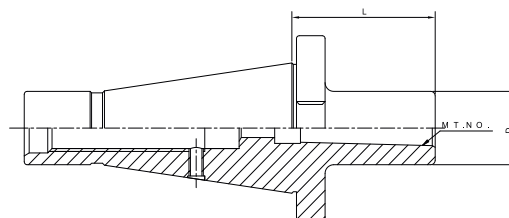
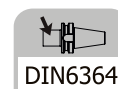


Size	MT.No.	L	D
NT30-MTA1-50	1	50	25
NT30-MTA2-50	2	50	32
NT30-MTA3-75	3	75	40
NT40-MTA1-50 OTT	1	50	25
NT40-MTA2-50 OTT	2	50	32
NT40-MTA3-65 OTT	3	65	40
NT40-MTA4-95 OTT	4	95	48
NT50-MTA1-45 OTT	1	45	25
NT50-MTA2-60 OTT	2	60	32
NT50-MTA3-65 OTT	3	65	40
NT50-MTA4-70 OTT	4	70	48
NT50-MTA5-105 OTT	5	105	63

NT

Morse Taper Adapter with Drawbar

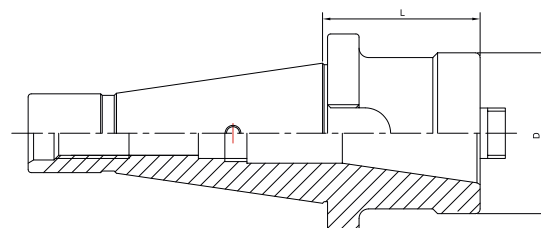
带螺纹孔莫氏刀柄



Size	MT.No.	L	D
NT30-MTB1-45	1	45	25
NT30-MTB2-60	2	60	32
NT30-MTB3-70	3	70	40
NT40-MTB1-50 OTT	1	50	25
NT40-MTB2-50 OTT	2	50	32
NT40-MTB3-65 OTT	3	65	40
NT40-MTB4-95 OTT	4	95	48
NT50-MTB1-60 OTT	1	60	25
NT50-MTB2-60 OTT	2	60	32
NT50-MTB3-65 OTT	3	65	40
NT50-MTB4-65 OTT	4	65	48
NT50-MTB5-120 OTT	5	120	63

Tool Holder Adapter Sleeve

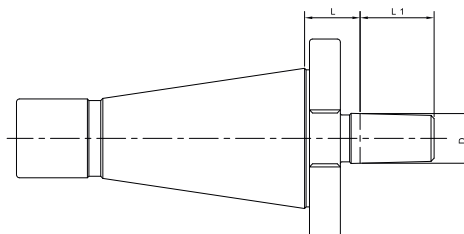
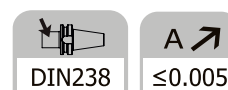
转换刀柄



Size	D	L
NT40-NT30-50 OTT	51	50
NT40-NT40-100 OTT	63	100
NT50-NT40-50 OTT	70	50
NT50-NT50-125 OTT	97	125

Drill Chuck Adapter

钻接杆

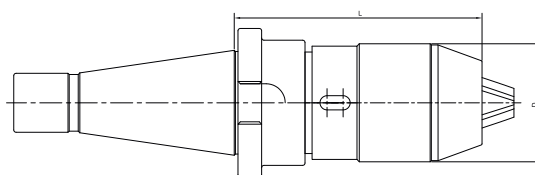


Size	D	L	L1
NT30-B12	B12	15	18.5
NT30-B16	B16	17	24
NT40-B12 OTT	B12	18	18.5
NT40-B16 OTT	B16	18	24
NT40-B18 OTT	B18	18	32
NT50-B16 OTT	B16	20	24
NT50-B18 OTT	B18	20	32

NT

APU Drill Chuck Holder

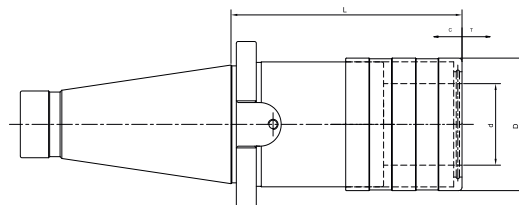
APU 钻夹头刀柄



Size	D	L	Capacity
NT30-APU08-80	38	80	1-8
NT30-APU13-100	48	100	1-13
NT40-APU08-85 OTT	38	85	1-8
NT40-APU13-110 OTT	48	110	1-13
NT40-APU16-105 OTT	53	105	3-16
NT50-APU08-95 OTT	38	90	1-8
NT50-APU13-100 OTT	48	100	1-13
NT50-APU16-110 OTT	53	110	3-16

Quick Change Tapping Chuck with Length Compensation

弹性快换攻丝刀柄

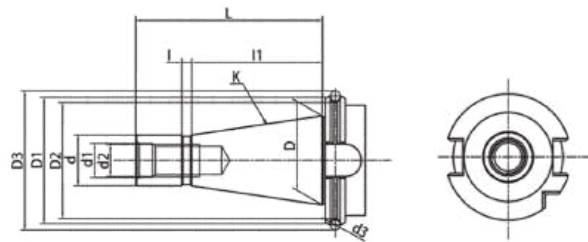


Size	d	D	L	T	C
NT30-TC312-55	19	36	55	7.5	7.5
NT30-TC820-86	31	53	86	12.5	12.5
NT40-TC312-55 OTT	19	36	55	7.5	7.5
NT40-TC820-86 OTT	31	53	86	12.5	12.5
NT40-TC1433-132 OTT	48	78	132	22	22
NT50-TC312-62 OTT	19	36	62	7.5	7.5
NT50-TC820-90 OTT	31	53	90	12.5	12.5
NT50-TC1433-117 OTT	48	78	117	22	22

GOST

TOOL HOLDERS

GOST Taper Standard GOST 锥柄标准



Size	D	D1	D2	D3	D4	d	d1	d2	d3	L	I	I1
SK30	31.75	50	46	55.070	44	17.4	13	M12	4	68.4	3	48.4
SK40	44.45	63	58	69.340	55	25.3	17	M16	5	93.4	5	65.4
SK50	69.85	100	94	107.610	85	39.6	25	M24	6	126.8	8	101.8

Taper standard: GOST 25827-93
Material: Alloyed case hardened steel
Surface Treatment: Blackening
Taper tolerance: <AT3
Hardness: HRC 56-60
Carbon depth: 0.8±0.2mm
Surface Roughness: Ra<0.2μm

GOST TOOLING SYSTEM

GOST 工具系统

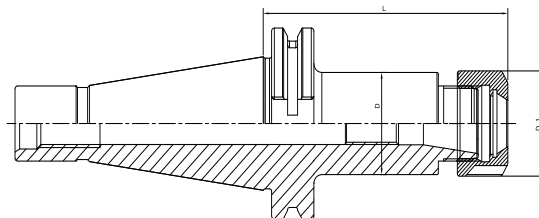
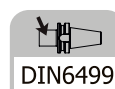
ER Collet Chuck	H.04
ER弹簧夹头刀柄	H.04
Power Milling Chuck.....	H.05
强力铣刀柄.....	H.05
Face Mill Holder	H.05
面铣刀柄	H.05
Combi Shell Mill Holder	H.06
混合插入式铣刀柄.....	H.06
End Mill Holder.....	H.07
侧固刀柄.....	H.07
Morse Taper Adapter.....	H.08
带扁尾莫氏刀柄.....	H.08
Morse Taper Adapter.....	H.08
带螺纹孔莫氏刀柄.....	H.08
APU Drill Chuck Holder	H.09
APU钻夹头刀柄.....	H.09
Quick Change Tapping Chuck.....	H.09
弹性快换攻丝刀柄.....	H.09



GOST

ER Collet Chuck

ER 弹簧夹头刀柄

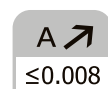


Size	D	D1	L	Capacity
SK40-ER16-70 GOST	28	32	70	1-10
SK40-ER25-70 GOST	42	42	70	2-16
SK40-ER32-70 GOST	40	50	70	2-20
SK40-ER40-80 GOST	50	63	80	3-26
SK40-ER16-100 GOST	28	32	100	1-10
SK40-ER25-100 GOST	42	42	100	2-16
SK40-ER32-100 GOST	40	50	100	2-20
SK40-ER40-100 GOST	50	63	100	3-26
SK40-ER16-160T GOST	28	32	160	1-10
SK40-ER25-160 GOST	42	42	160	2-16
SK40-ER32-160 GOST	40	50	160	2-20
SK40-ER40-160 GOST	50	63	160	3-26
SK50-ER16-80 GOST	28	32	80	1-10
SK50-ER25-80 GOST	42	42	80	2-16
SK50-ER32-70 GOST	50	50	70	2-20
SK50-ER40-80 GOST	63	63	80	3-26
SK50-ER16-100 GOST	28	32	100	1-10
SK50-ER25-100 GOST	42	42	100	2-16
SK50-ER32-100 GOST	50	50	100	2-20
SK50-ER40-100 GOST	63	63	100	3-26
SK50-ER16-160 GOST	28	32	160	1-10
SK50-ER25-160 GOST	42	42	160	2-16
SK50-ER32-160 GOST	50	50	160	2-20
SK50-ER40-160 GOST	63	63	160	3-26

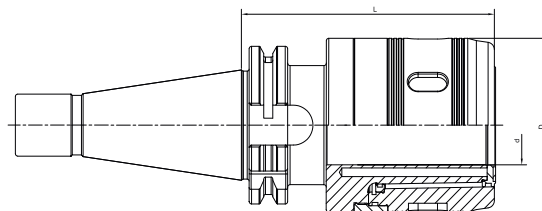
GOST

Power Milling Chuck

强力铣刀柄



 ≤ 0.008


AD


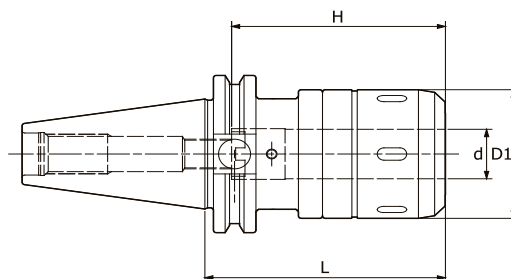
Size	d	D	L	Capacity
SK40-HC20-85 GOST	20	50	85	3-16; 20
SK40-HC25-100 GOST	25	59	100	3-20; 25
SK40-HC32-105 GOST	32	72	105	3-25; 32
SK50-HC20-105 GOST	20	50	105	3-16; 20
SK50-HC25-105 GOST	25	59	105	3-20; 25
SK50-HC32-110 GOST	32	72	110	3-25; 32
SK50-HC42-110 GOST	42	99	110	3-32; 42

Power Milling Chuck

强力铣刀柄

A ↗
≤0.005

AD



Size	d	D1	L	H	Remark
SK30-CT16SA-90 GOST	16	45	90	65	-
SK30-CT16SA-105 GOST	16	45	105	65	-
SK30-CT20SA-90 GOST	20	52	90	80	-
SK30-CT20SA-105 GOST	20	52	105	80	-
SK40-CT16SA-90 GOST	16	45	90	65	-
SK40-CT20SA-75 GOST	20	52	75	80	4
SK40-CT20SA-90 GOST	20	52	90	80	-
SK40-CT20SA-105 GOST	20	52	105	80	4
SK40-CT20SA-120 GOST	20	52	120	80	-
SK40-CT25SA-105 GOST	25	61	105	80	2
SK40-CT25SA-135 GOST	25	61	135	80	-
SK40-CT32SA-105 GOST	32	73	105	85	1,2
SK40-CT32SA-120 GOST	32	73	120	85	1
SK40-CT32SA-135 GOST	32	73	135	120	-

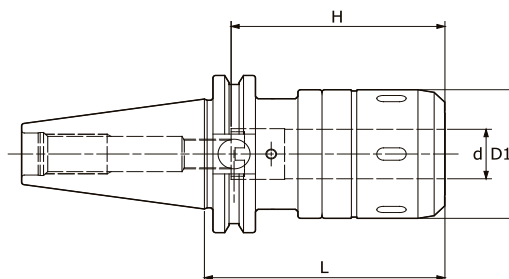
- Hex-head screws M4x5 are necessary to plug air hole for center through coolant feed. (included in delivery)
- 1 MC-A Collets cannot be used.
- 2 Form B Standard
- 4 Without undercut (DIN 69871) before fl ange
- 4 Not suitable for certain M/C

GOST

Power Milling Chuck

强力铣刀柄

 A ↗
 ≤ 0.005

 AD


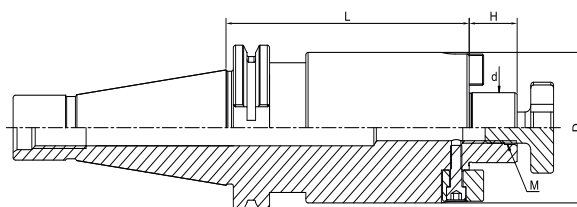
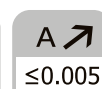
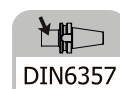
Size	d	D1	L	H	Remark
SK50-CT16SA-90 GOST	16	45	90	65	-
SK50-CT16SA-105 GOST	16	45	105	65	1
SK50-CT16SA-135 GOST	16	45	135	65	-
SK50-CT20SA-90 GOST	20	52	90	80	-
SK50-CT20SA-105 GOST	20	52	105	80	1
SK50-CT20SA-120 GOST	20	52	120	80	-
SK50-CT20SA-135 GOST	20	52	135	80	-
SK50-CT20SA-165 GOST	20	52	165	80	-
SK50-CT20SA-200 GOST	20	52	200	80	-
SK50-CT20SA-250 GOST	20	52	250	80	-
SK50-CT20SA-300 GOST	20	52	300	80	-
SK50-CT25SA-105 GOST	25	61	105	80	1
SK50-CT25SA-135 GOST	25	61	135	80	-
SK50-CT25SA-165 GOST	25	61	165	80	-
SK50-CT25SA-200 GOST	25	61	200	80	-
SK50-CT25SA-250 GOST	25	61	250	80	-
SK50-CT25SA-300 GOST	25	61	300	80	-
SK50-CT32SA-95 GOST	32	73	95	120	-
SK50-CT32SA -105 GOST	32	73	105	120	1
SK50-CT32SA-120 GOST	32	73	120	120	-
SK50-CT32SA-135 GOST	32	73	135	120	-
SK50-CT32SA-150 GOST	32	73	150	120	-
SK50-CT32SA-165 GOST	32	73	165	120	-
SK50-CT32SA-200 GOST	32	73	200	120	-
SK50-CT32SA-250 GOST	32	73	250	120	-
SK50-CT32SA-300 GOST	32	73	300	120	-

- Hex-head screws M4x5 are necessary to plug air hole for center through coolant feed. (included in delivery)
- 1 MC-A Collets cannot be used.

GOST

Face Mill Holder

面铣刀柄



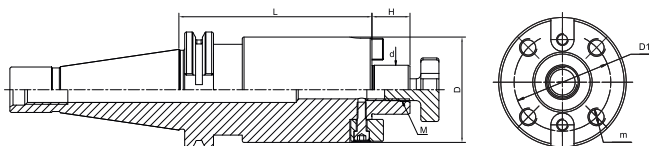
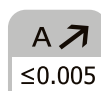
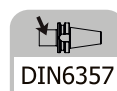
Size	d	D	L	H	M
SK40-FMB16-45 GOST	16	38	45	17	M8
SK40-FMB22-45 GOST	22	48	45	19	M10
SK40-FMB27-40 GOST	27	58	40	21	M12
SK40-FMB32-55 GOST	32	78	55	24	M16
SK50-FMB16-40 GOST	16	38	40	17	M8
SK50-FMB22-45 GOST	22	48	45	19	M10
SK50-FMB27-45 GOST	27	58	45	21	M12
SK50-FMB32-50 GOST	32	78	50	24	M16



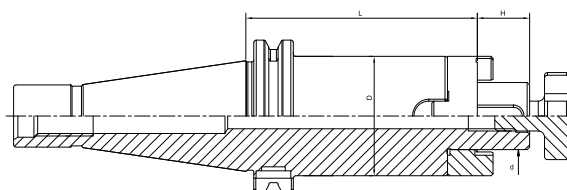
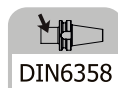
Bright-tools

BRIGHT-TOOLS

TOOL HOLDER GOST 25827-93

Face Mill Holder**面铣刀柄**

Size	d	D	D1	L	H	M	m
SK40-FMB40-55 GOST	40	88	66.7	55	27	M20	M12
SK50-FMB40-55 GOST	40	88	66.7	55	27	M20	M12

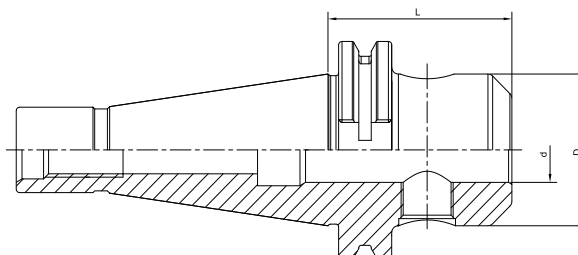
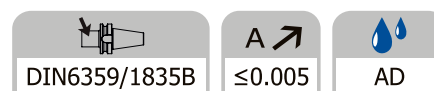
Combi Shell Mill Holder**混合插入式铣刀柄**

Size	d	D	H	L
SK40-SEMC16-55 GOST	16	32	17	55
SK40-SEMC22-55 GOST	22	40	19	55
SK40-SEMC27-55 GOST	27	48	21	55
SK40-SEMC32-60 GOST	32	58	24	60
SK40-SEMC40-60 GOST	40	70	27	60
SK50-SEMC16-55 GOST	16	32	17	55
SK50-SEMC22-55 GOST	22	40	19	55
SK50-SEMC27-55 GOST	27	48	21	55
SK50-SEMC32-55 GOST	32	58	24	55
SK50-SEMC40-55 GOST	40	70	27	55

GOST

End Mill Holder Weldon

侧固刀柄

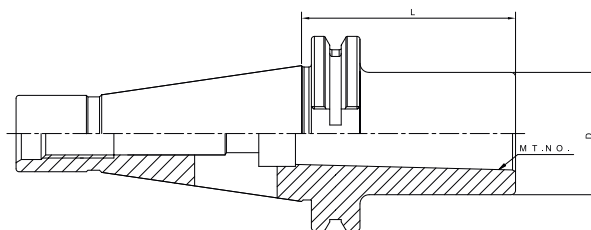


Size	d	D	L	M	Screw Quantity
SK40-SLA6-50 GOST	6	25	50	M6	1
SK40-SLA8-50 GOST	8	28	50	M8	1
SK40-SLA10-50 GOST	10	35	50	M10	1
SK40-SLA12-50 GOST	12	42	50	M12	1
SK40-SLA14-50 GOST	14	44	50	M12	1
SK40-SLA16-63 GOST	16	48	63	M14	1
SK40-SLA18-63 GOST	18	50	63	M14	1
SK40-SLA20-63 GOST	20	52	63	M16	1
SK40-SLA25-100 GOST	25	65	100	M18*2	2
SK40-SLA32-100 GOST	32	72	100	M20*2	2
SK40-SLA40-120 GOST	40	80	120	M20*2	2

SK50-SLA6-63 GOST	6	25	63	M6	1
SK50-SLA8-63 GOST	8	28	63	M8	1
SK50-SLA10-63 GOST	10	35	63	M10	1
SK50-SLA12-63 GOST	12	42	63	M12	1
SK50-SLA14-63 GOST	14	44	63	M12	1
SK50-SLA16-63 GOST	16	48	63	M14	1
SK50-SLA18-63 GOST	18	50	63	M14	1
SK50-SLA20-63 GOST	20	52	63	M16	1
SK50-SLA25-80 GOST	25	65	80	M18*2	2
SK50-SLA32-100 GOST	32	72	100	M20*2	2
SK50-SLA40-100 GOST	40	80	100	M20*2	2

Morse Taper Adapter with Tang

帶扁尾莫氏刀柄

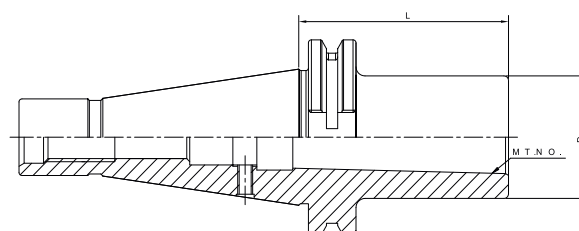
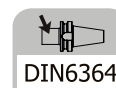


Size	MT. NO.	D	L
SK40-MTA1-50 GOST	1	25	50
SK40-MTA2-50 GOST	2	32	50
SK40-MTA3-70 GOST	3	40	70
SK40-MTA4-95 GOST	4	48	95
SK50-MTA1-45 GOST	1	25	45
SK50-MTA2-60 GOST	2	32	60
SK50-MTA3-65 GOST	3	40	65
SK50-MTA4-95 GOST	4	48	95
SK50-MTA5-105 GOST	5	63	105

GOST

Morse Taper Adapter with Drawbar

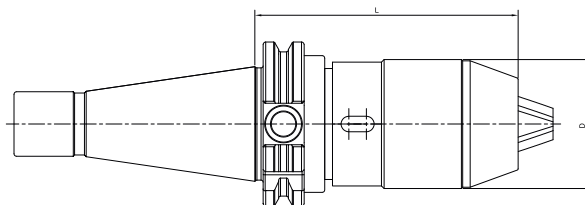
帶螺紋孔莫氏刀柄



Size	MT. NO.	D	L
SK40-MTB1-50 GOST	1	25	50
SK40-MTB2-50 GOST	2	32	50
SK40-MTB3-70 GOST	3	40	70
SK40-MTB4-95 GOST	4	48	95
SK50-MTB1-45 GOST	1	25	45
SK50-MTB2-60 GOST	2	32	60
SK50-MTB3-65 GOST	3	40	65
SK50-MTB4-95 GOST	4	48	95
SK50-MTB5-105 GOST	5	63	105

APU Drill Chuck Holder

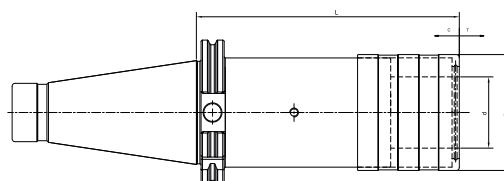
APU 钻夹头刀柄



Size	D	L	Capacity
SK40-APU13-100 GOST	48	100	1-13
SK40-APU16-110 GOST	53	110	3-16
SK50-APU13-100 GOST	48	100	1-13
SK50-APU16-100 GOST	53	100	3-16

Quick Change Tapping Chuck with Length Compensation

弹性快换攻丝刀柄



Size	D	d	L	T	C
SK40-TC312-59 GOST	36	19	59	7.5	7.5
SK40-TC820-97 GOST	54	31	97	12.5	12.5
SK40-TC1433-156 GOST	78	48	156	22	22
SK50-TC312-63 GOST	38	19	63	7.5	7.5
SK50-TC820-97 GOST	54	31	97	12.5	12.5
SK50-TC1433-140 GOST	78	48	140	22	22

VDI

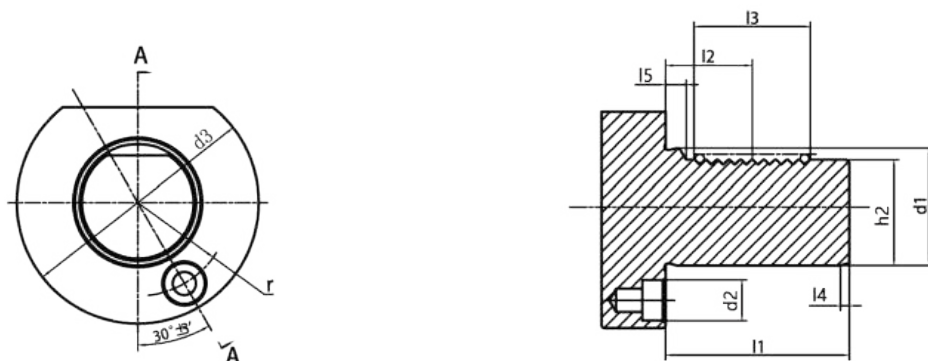
TOOL HOLDERS



Bright-tools

BRIGHT-TOOLS

TOOL HOLDER DIN69880

VDI Taper Standard**VDI 锥柄标准**

d1 H6	h1 max	d2	d3	h2 ±0.1	r ±0.02	l1 max	l2 ±0.05	l3 min	l4 max	l5
16	12	8	40	15.0	14.5	32	12.7	16	2	3.5
20	16	10	50	18.0	18.0	40	21.7	24	2	7.0
25	16	10	58	23.5	21.0	48	21.7	24	2	7.0
30	20	14	68	27.0	25.0	55	29.7	40	2	7.0
40	25	14	83	36.0	32.0	63	29.7	40	3	7.0
50	32	16	98	45.0	37.0	78	35.7	48	3	8.0
60	32	16	123	55	48	94	43.7	56	4	10
80	40	20	158	72	65	124	49.7	80	4	10

VDI

VDI TOOLING SYSTEM

VDI 工具系统

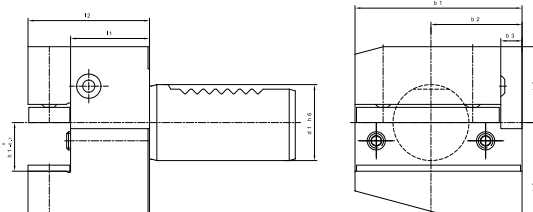
Radial Holder Form B1	I.04	Cutting Off Tool Holder Left Height Adjustable	I.31
短型横向右刀夹.....	I.04	短型横向切刀左刀夹	I.31
Radial Holder Form B2	I.05	Cutting Off Tool Holder Inverted Right Height Adjustable	I.32
短型横向左刀夹.....	I.05	短型横向切刀反切右刀夹.....	I.32
Radial Holder Form B3.....	I.06	Cutting Off Tool Holder Inverted Left Height Adjustable	I.32
短型横向反切右刀夹.....	I.06	短型横向切刀反切左刀夹	I.32
Radial Holder Form B4.....	I.07	Protection Plug Form Z2.....	I.33
短型横向反切左刀夹	I.07	保护塞.....	I.33
Radial Holder Form B5.....	I.08		
长型横向右刀夹.....	I.08		
Radial Holder Form B6.....	I.09		
长型横向左刀夹.....	I.09		
Radial Holder Form B7.....	I.10		
长型横向反切右刀夹	I.10		
Radial Holder Form B8.....	I.11		
长型横向反切左刀夹.....	I.11		
Axial Holder Form C1.....	I.12		
纵向右刀夹.....	I.12		
Axial Holder Form C2	I.13		
纵向左刀夹	I.13		
Axial Holder Form C3	I.14		
纵向反切右刀夹.....	I.14		
Axial Holder Form C4.....	I.15		
纵向反切左刀夹.....	I.15		
Rectangular Holder Form D1	I.16		
多座刀夹.....	I.16		
Rectangular Holder Form D2	I.17		
多座反切刀夹	I.17		
Boring Holder Form E1.....	I.18		
可转位浅孔钻头刀夹	I.18		
Boring Holder Form E2	I.21		
镗孔刀夹	I.21		
Boring Bar Holder Form E2S	I.26		
镗孔刀夹, 开槽型	I.26		
ER Collet Chuck Form E4	I.27		
ER 刀柄	I.27		
Double Boring Bar Holder, Right.....	I.28		
右侧双镗孔刀柄.....	I.28		
Double Boring Bar Holder, Left.....	I.28		
左侧双镗孔刀柄	I.28		
Morse Taper Adapter Form F.....	I.29		
带扁尾莫氏刀柄.....	I.29		
Rectangular Blank Form A1	I.30		
方形基础柄	I.30		
Round Blank Form	I.30		
圆形基础柄	I.30		
Cutting Off Tool Holder Right Height Adjustable	I.31		
短型横向切刀右刀夹	I.31		



VDI

Radial Holder Form B1 Right, Short

短型横向右刀夹



Metric

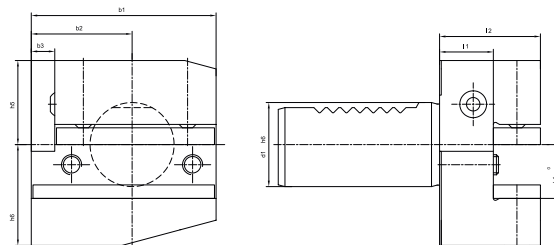
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B1-16x12x24	16	42	23	5	12	20	22	13	24
B1-16x12x34	16	42	23	5	12	20	22	23	34
B1-20x16x30	20	55	30	7	16/12	25	30	16	30
B1-20x16x40	20	55	30	7	16/12	25	30	26	40
B1-25x16x30	25	55	30	7	16/12	25	30	16	30
B1-25x16x40	25	55	30	7	16/12	25	30	26	40
B1-30x20x40	30	70	35	10	20/16	28	38	22	40
B1-30x20x60	30	70	35	10	20/16	28	38	42	60
B1-40x25x44	40	85	42.5	12.5	25/20	32.5	48	22	44
B1-50x32x55	50	100	50	16	32/25	35	60	30	55
B1-60x32x60	60	125	62.5	16	32/25	42.5	62.5	30	60
B1-80x40x75	80	160	80	20	40/32	55	80	40	75

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B1-20x5/8"x30	20	55	30	7	5/8"	25	30	16	30
B1-30x3/4"x40	30	70	35	10	3/4"	28	38	22	40
B1-40x1"x44	40	85	42.5	12.5	1"	32.5	48	22	44
B1-50x1-1/4"x55	50	100	50	16	1-1/4"	35	60	30	55
B1-60x1-1/4"x60	60	125	62.5	16	1-1/4"	42.5	62.5	30	60

Radial Holder Form B2 Left, Short

短型横向左刀夹



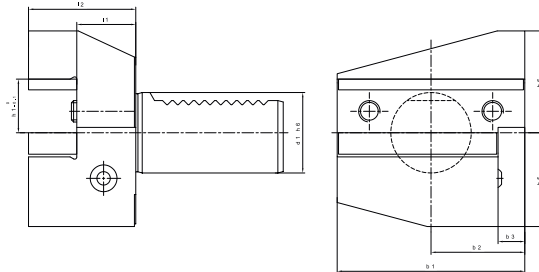
Metric

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B2-16x12x24	16	42	23	5	12	20	22	13	24
B2-16x12x34	16	42	23	5	12	20	22	23	34
B2-20x16x30	20	55	30	7	16/12	25	30	16	30
B2-20x16x40	20	55	30	7	16/12	25	30	26	40
B2-25x16x30	25	55	30	7	16/12	25	30	16	30
B2-25x16x40	25	55	30	7	16/12	25	30	26	40
B2-30x20x40	30	70	35	10	20/16	28	38	22	40
B2-30x20x60	30	70	35	10	20/16	28	38	42	60
B2-40x25x44	40	85	42.5	12.5	25/20	32.5	48	22	44
B2-50x32x55	50	100	50	16	32/25	35	60	30	55
B2-60x32x60	60	125	62.5	16	32/25	42.5	62.5	30	60
B2-80x40x75	80	160	80	20	40/32	55	80	40	75

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B2-20x5/8"x30	20	55	30	7	5/8"	25	30	16	30
B2-30x3/4"x40	30	70	35	10	3/4"	28	38	22	40
B2-40x1"x44	40	85	42.5	12.5	1"	32.5	48	22	44
B2-50x1-1/4"x55	50	100	50	16	1-1/4"	35	60	30	55
B2-60x1-1/4"x60	60	125	62.5	16	1-1/4"	42.5	62.5	30	60

Radial Holder Form B3 Inverted Right, Short 短型横向反切右刀夹



Metric

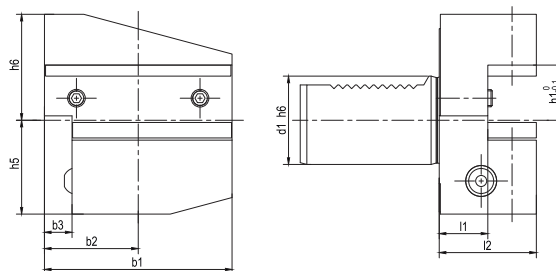
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B3-16x12x24	16	42	23	5	12	20	22	13	24
B3-16x12x34	16	42	23	5	12	20	22	23	34
B3-20x16x30	20	55	30	7	16/12	25	30	16	30
B3-20x16x40	20	55	30	7	16/12	25	30	26	40
B3-25x16x30	25	55	30	7	16/12	25	30	16	30
B3-25x16x40	25	55	30	7	16/12	25	30	26	40
B3-30x20x40	30	70	35	10	20/16	35	38	22	40
B3-30x20x60	30	70	35	10	20/16	35	38	42	60
B3-40x25x44	40	85	42.5	12.5	25/20	42.5	48	22	44
B3-50x32x55	50	100	50	16	32/25	50	60	30	55
B3-60x32x60	60	125	62.5	16	32/25	62.5	62.5	30	60
B3-80x40x75	80	160	80	20	40/32	80	80	40	75

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B3-20x5/8"x30	20	55	30	7	5/8"	25	30	16	30
B3-30x3/4"x40	30	70	35	10	3/4"	35	38	22	40
B3-40x1"x44	40	85	42.5	12.5	1"	42.5	48	22	44
B3-50x1-1/4"x55	50	100	50	16	1-1/4"	50	60	30	55
B3-60x1-1/4"x60	60	125	62.5	16	1-1/4"	62.5	62.5	30	60

Radial Holder Form B4 Inverted Left, Short

短型横向反切左刀夹



Metric

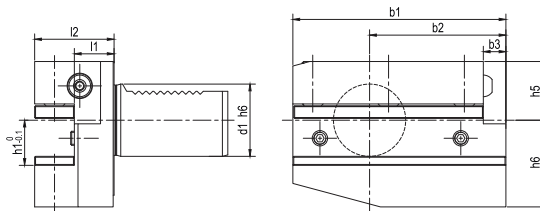
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B4-16x12x24	16	42	23	5	12	20	22	13	24
B4-16x12x34	16	42	23	5	12	20	22	23	34
B4-20x16x30	20	55	30	7	16/12	25	30	16	30
B4-20x16x40	20	55	30	7	16/12	25	30	26	40
B4-25x16x30	25	55	30	7	16/12	25	30	16	30
B4-25x16x40	25	55	30	7	16/12	25	30	26	40
B4-30x20x40	30	70	35	10	20/16	35	38	22	40
B4-30x20x60	30	70	35	10	20/16	35	38	42	60
B4-40x25x44	40	85	42.5	12.5	25/20	42.5	48	22	44
B4-50x32x55	50	100	50	16	32/25	50	60	30	55
B4-60x32x60	60	125	62.5	16	32/25	62.5	62.5	30	60
B4-80x40x75	80	160	80	20	40/32	80	80	40	75

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B4-20x5/8"x30	20	55	30	7	5/8"	25	30	16	30
B4-30x3/4"x40	30	70	35	10	3/4"	35	38	22	40
B4-40x1"x44	40	85	42.5	12.5	1"	42.5	48	22	44
B4-50x1-1/4"x55	50	100	50	16	1-1/4"	50	60	30	55
B4-60x1-1/4"x60	60	125	62.5	16	1-1/4"	62.5	62.5	30	60

Radial Holder Form B5 Right, Long

长型横向右刀夹



Metric

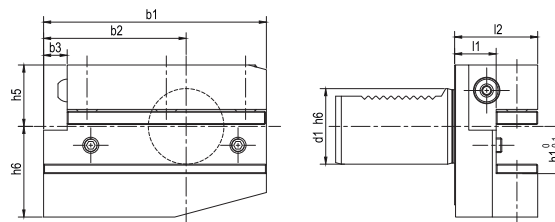
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B5-16x12x24	16	58	39	5	12	20	22	13	24
B5-16x12x34	16	58	39	5	12	20	22	23	34
B5-20x16x30	20	75	50	7	16/12	25	30	16	30
B5-20x16x40	20	75	50	7	16/12	25	30	26	40
B5-25x16x30	25	75	50	7	16/12	25	30	16	30
B5-25x16x40	25	75	50	7	16/12	25	30	26	40
B5-30x20x40	30	100	65	10	20/16	28	38	22	40
B5-30x20x60	30	100	65	10	20/16	28	38	42	60
B5-40x25x44	40	118	75.5	12.5	25/20	32.5	48	22	44
B5-50x32x55	50	130	80	16	32/25	35	60	30	55
B5-60x32x60	60	145	82.5	16	32/25	42.5	62.5	30	60
B5-80x40x75	80	190	110	20	40/32	55	80	40	75

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B5-20x5/8"x30	20	75	50	7	5/8"	25	30	16	30
B5-30x3/4"x40	30	100	65	10	3/4"	28	38	22	40
B5-40x1"x44	40	118	75.5	12.5	1"	32.5	48	22	44
B5-50x1-1/4"x55	50	130	80	16	1-1/4"	35	60	30	55
B5-60x1-1/4"x60	60	145	82.5	16	1-1/4"	42.5	62.5	30	60

Radial Holder Form B6 Left, Long

长型横向左刀夹



Metric

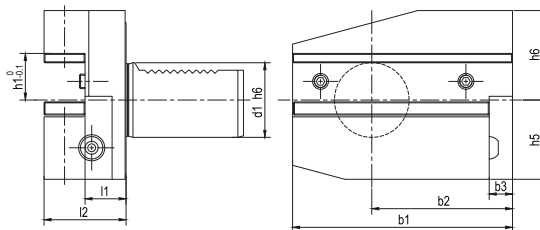
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B6-16x12x24	16	58	39	5	12	20	22	13	24
B6-16x12x34	16	58	39	5	12	20	22	23	34
B6-20x16x30	20	75	50	7	16/12	25	30	16	30
B6-20x16x40	20	75	50	7	16/12	25	30	26	40
B6-25x16x30	25	75	50	7	16/12	25	30	16	30
B6-25x16x40	25	75	50	7	16/12	25	30	26	40
B6-30x20x40	30	100	65	10	20/16	28	38	22	40
B6-30x20x60	30	100	65	10	20/16	28	38	42	60
B6-40x25x44	40	118	75.5	12.5	25/20	32.5	48	22	44
B6-50x32x55	50	130	80	16	32/25	35	60	30	55
B6-60x32x60	60	145	82.5	16	32/25	42.5	62.5	30	60
B6-80x40x75	80	190	110	20	40/32	55	80	40	75

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B6-20x5/8"x30	20	75	50	7	5/8"	25	30	16	30
B6-30x3/4"x40	30	100	65	10	3/4"	28	38	22	40
B6-40x1"x44	40	118	75.5	12.5	1"	32.5	48	22	44
B6-50x1-1/4"x55	50	130	80	16	1-1/4"	35	60	30	55
B6-60x1-1/4"x60	60	145	82.5	16	1-1/4"	42.5	62.5	30	60

Radial Holder Form B7 Inverted Right,Long

长型横向反切右刀夹



Metric

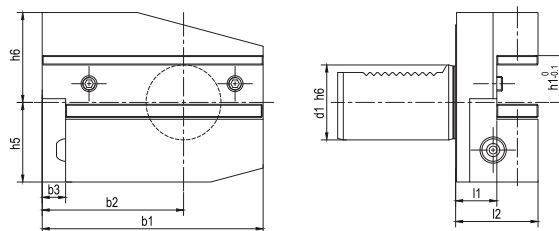
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B7-16x12x24	16	58	39	5	12	20	22	13	24
B7-16x12x34	16	58	39	5	12	20	22	23	34
B7-20x16x30	20	75	50	7	16/12	25	30	16	30
B7-20x16x40	20	75	50	7	16/12	25	30	26	40
B7-25x16x30	25	75	50	7	16/12	25	30	16	30
B7-25x16x40	25	75	50	7	16/12	25	30	26	40
B7-30x20x40	30	100	65	10	20/16	35	38	22	40
B7-30x20x60	30	100	65	10	20/16	35	38	42	60
B7-40x25x44	40	118	75.5	12.5	25/20	42.5	48	22	44
B7-50x32x55	50	130	80	16	32/25	50	60	30	55
B7-60x32x60	60	145	82.5	16	32/25	62.5	62.5	30	60
B7-80x40x75	80	190	110	20	40/32	80	80	40	75

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B7-20x5/8"x30	20	75	50	7	5/8"	25	30	16	30
B7-30x3/4"x40	30	100	65	10	3/4"	35	38	22	40
B7-40x1"x44	40	118	75.5	12.5	1"	42.5	48	22	44
B7-50x1-1/4" x55	50	130	80	16	1-1/4"	50	60	30	55
B7-60x1-1/4" x60	60	145	82.5	16	1-1/4"	62.5	62.5	30	60

Radial Holder Form B8 Inverted Left, Long

长型横向反切左刀夹



Metric

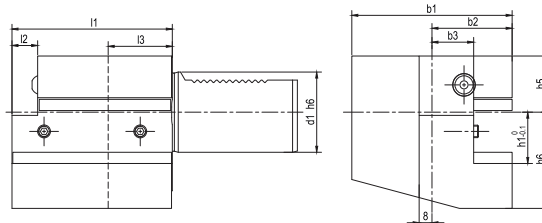
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B8-16x12x24	16	58	39	5	12	20	22	13	24
B8-16x12x34	16	58	39	5	12	20	22	23	34
B8-20x16x30	20	75	50	7	16/12	25	30	16	30
B8-20x16x40	20	75	50	7	16/12	25	30	26	40
B8-25x16x30	25	75	50	7	16/12	25	30	16	30
B8-25x16x40	25	75	50	7	16/12	25	30	26	40
B8-30x20x40	30	100	65	10	20/16	35	38	22	40
B8-30x20x60	30	100	65	10	20/16	35	38	42	60
B8-40x25x44	40	118	75.5	12.5	25/20	42.5	48	22	44
B8-50x32x55	50	130	80	16	32/25	50	60	30	55
B8-60x32x60	60	145	82.5	16	32/25	62.5	62.5	30	60
B8-80x40x75	80	190	110	20	40/32	80	80	40	75

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2
B8-20x5/8"x30	20	75	50	7	5/8"	25	30	16	30
B8-30x3/4"x40	30	100	65	10	3/4"	35	38	22	40
B8-40x1"x44	40	118	75.5	12.5	1"	42.5	48	22	44
B8-50x1-1/4" x55	50	130	80	16	1-1/4"	50	60	30	55
B8-60x1-1/4" x60	60	145	82.5	16	1-1/4"	62.5	62.5	30	60

Axial Holder Form C1 Right

纵向右刀夹



Metric

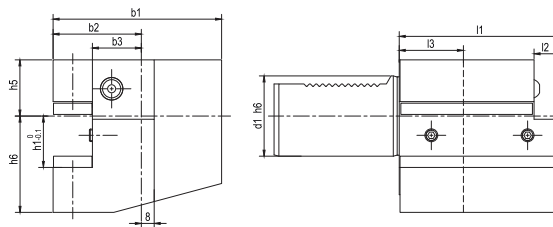
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C1-16x12x44	16	43	24	13	12	20	22	44	5	20
C1-20x16x50	20	65	40	26	16/12	25	30	50	-	30
C1-20x16x55	20	52	27	13	16/12	25	30	55	7	30
C1-25x16x55	25	58	33	19	16/12	25	30	55	7	20
C1-30x20x70	30	70	35	17	20/16	28	38	70	10	30
C1-40x25x85	40	85	42.5	21	25/20	32.5	48	85	12.5	30
C1-50x32x100	50	100	50	26	32/25	35	60	100	16	40
C1-60x32x125	60	125	62.5	33	32/25	42.5	62.5	125	16	40
C1-80x40x160	80	160	80	42	40/32	55	80	160	20	40

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C1-20x5/8"x50	20	65	40	26	5/8"	25	30	50	-	30
C1-30x3/4"x70	30	70	35	17	3/4"	28	38	70	10	30
C1-40x1"x85	40	85	42.5	21	1"	32.5	48	85	12.5	30
C1-50x1-1/4" x100	50	100	50	26	1-1/4"	35	60	100	16	40
C1-60x1-1/4" x125	60	125	62.5	33	1-1/4"	42.5	62.5	125	16	40

Axial Holder Form C2 Left

纵向左刀夹



Metric

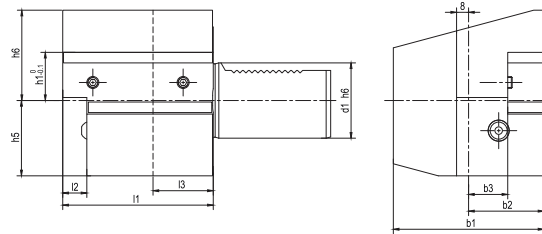
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C2-16x12x44	16	43	24	13	12	20	22	44	5	20
C2-20x16x50	20	65	40	26	16/12	25	30	50	-	30
C2-25x16x55	25	58	33	19	16/12	25	30	55	7	20
C2-30x20x70	30	76	41	23	20/16	28	38	70	10	30
C2-40x25x85	40	90	47.5	25.5	25/20	32.5	48	85	12.5	30
C2-50x32x100	50	105	55	30.5	32/25	35	60	100	16	40
C2-60x32x125	60	125	62.5	33	32/25	42.5	62.5	125	16	40
C2-80x40x160	80	160	78	42	40/32	55	80	160	20	40

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C2-20x5/8"x50	20	65	40	26	5/8"	25	30	50	-	30
C2-30x3/4"x70	30	76	41	23	3/4"	28	38	70	10	30
C2-40x1"x85	40	90	47.5	25.5	1"	32.5	48	85	12.5	30
C2-50x1-1/4" x100	50	105	55	30.5	1-1/4"	35	60	100	16	40
C2-60x1-1/4" x125	60	125	62.5	33	1-1/4"	42.5	62.5	125	16	40

Axial Holder Form C3 Inverted Right

纵向反切右刀夹



Metric

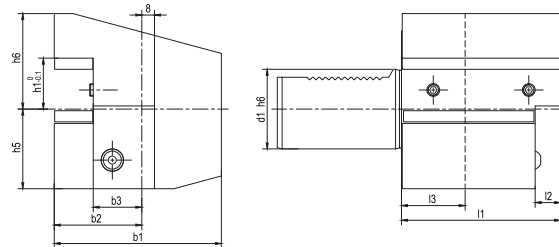
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C3-16x12x44	16	43	24	13	12	20	22	44	5	20
C3-20x16x50	20	65	40	26	16/12	25	30	50	-	30
C3-20x16x55	20	52	27	13	16/12	25	30	55	7	30
C3-25x16x55	25	58	33	19	16/12	25	30	55	7	20
C3-30x20x70	30	70	35	17	20/16	35	38	70	10	30
C3-40x25x85	40	85	42.5	21	25/20	42.5	48	85	12.5	30
C3-50x32x100	50	100	50	26	32/25	50	60	100	16	40
C3-60x32x125	60	125	62.5	33	32/25	62.5	62.5	125	16	40
C3-80x40x160	80	160	80	42	40/32	80	80	160	20	40

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C3-20x5/8"x50	20	65	40	26	5/8"	25	30	50	-	30
C3-30x3/4"x70	30	70	35	17	3/4"	35	38	70	10	30
C3-40x1"x85	40	85	42.5	21	1"	42.5	48	85	12.5	30
C3-50x1-1/4"x100	50	100	50	26	1-1/4"	50	60	100	16	40
C3-60x1-1/4"x125	60	125	62.5	33	1-1/4"	62.5	62.5	125	16	40

Axial Holder Form C4 Inverted Left

纵向反切左刀夹



Metric

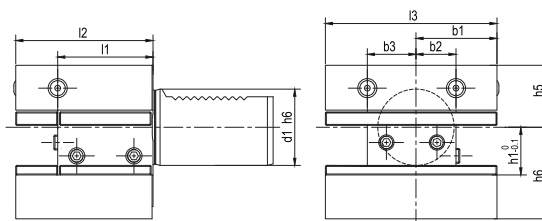
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C4-16x12x44	16	43	24	13	12	20	22	44	5	20
C4-20x16x50	20	65	40	26	16/12	25	30	50	-	30
C4-25x16x55	25	58	33	19	16/12	25	30	55	7	20
C4-30x20x70	30	76	41	23	20/16	35	38	70	10	30
C4-40x25x85	40	90	47.5	25.5	25/20	42.5	48	85	12.5	30
C4-50x32x100	50	105	55	30.5	32/25	50	60	100	16	40
C4-60x32x125	60	125	62.5	33	32/25	62.5	62.5	125	16	40
C4-80x40x160	80	160	78	42	40/32	80	80	160	20	40

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
C4-20x5/8"x50	20	65	40	26	5/8"	25	30	50	-	30
C4-30x3/4"x70	30	76	41	23	3/4"	35	38	70	10	30
C4-40x1"x85	40	90	47.5	25.5	1"	42.5	48	85	12.5	30
C4-50x1-1/4"x100	50	105	55	30.5	1-1/4"	50	60	100	16	40
C4-60x1-1/4"x125	60	125	62.5	33	1-1/4"	62.5	62.5	125	16	40

Rectangular Holder with Multiple Seats Form D1

多座刀夹



Metric

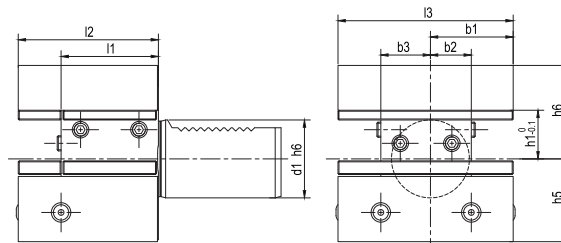
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
D1-25x16x48	25	33	19	19	16/12	25	30	34	48	66
D1-30x20x60	30	35	17	23	20/16	28	38	42	60	76
D1-40x25x72	40	42.5	21	25.5	25/20	32.5	48	50	72	90
D1-50x32x85	50	50	26	30.5	32/25	35	60	60	85	105
D1-60x32x110	60	57.5	33	33	32/25	42.5	62.5	85	110	115
D1-80x40x140	80	76	42	42	40/32	55	80	105	140	152

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
D1-30x3/4"x60	30	35	17	23	3/4"	28	38	42	60	76
D1-40x1"x72	40	42.5	21	25.5	1"	32.5	48	50	72	90
D1-50x1-1/4" x85	50	50	26	30.5	1-1/4"	35	60	60	85	105
D1-60x1-1/4" x110	60	57.5	33	33	1-1/4"	42.5	62.5	85	110	115

Rectangular Holder with Multiple Seats Form D2 Inverted

多座反切刀夹



Metric

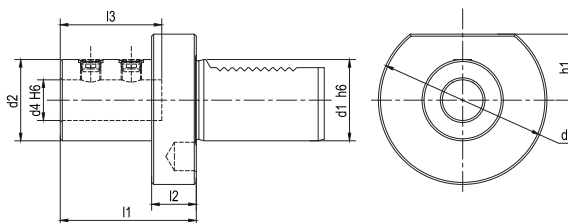
Size	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
D2-25x16x48	25	33	19	19	16/12	25	30	34	48	66
D2-30x20x60	30	35	17	23	20/16	35	38	42	60	76
D2-40x25x72	40	42.5	21	25.5	25/20	42.5	48	50	72	90
D2-50x32x85	50	50	26	30.5	32/25	50	60	60	85	105
D2-60x32x110	60	57.5	33	33	32/25	62.5	62.5	85	110	115
D2-80x40x140	80	76	42	42	40/32	80	80	105	140	152

Inch

Size	d1	b1	b2	b3	h1	h5	h6	l1	l2	l3
D2-30x3/4"x60	30	35	17	23	3/4"	35	38	42	60	76
D2-40x1"x72	40	42.5	21	25.5	1"	42.5	48	50	72	90
D2-50x1-1/4" x85	50	50	26	30.5	1-1/4"	50	60	60	85	105
D2-60x1-1/4" x110	60	57.5	33	33	1-1/4"	62.5	62.5	85	110	115

Boring Holder for Indexable Insert Drill Form E1

可转位浅孔钻刀夹

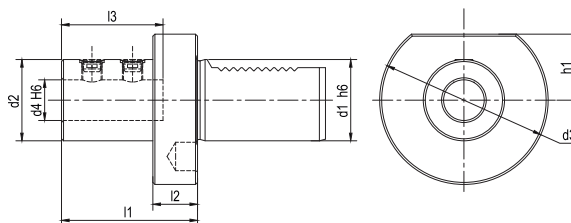


Metric

Size	d1	d2	d3	d4	h1	l1	l2	l3
E1-20x16	20	36	50	16	-	67	18	54
E1-20x20	20	40	50	20	-	67	18	54
E1-20x25	20	45	50	25	-	71	18	59
E1-25x16	25	36	58	16	25	67	18	54
E1-25x20	25	40	58	20	25	67	18	54
E1-25x25	25	45	58	25	25	71	18	59
E1-25x32	25	52	58	32	25	75	18	63
E1-30x16	30	36	68	16	28	67	22	54
E1-30x20	30	40	68	20	28	67	22	54
E1-30x25	30	45	68	25	28	71	22	58
E1-30x32	30	52	68	32	28	75	22	61
E1-30x40	30	65	68	40	28	90	22	72
E1-40x16	40	36	83	16	32.5	67	22	54
E1-40x20	40	40	83	20	32.5	67	22	54
E1-40x25	40	45	83	25	32.5	75	22	59
E1-40x32	40	52	83	32	32.5	75	22	61
E1-40x40	40	65	83	40	32.5	90	22	73
E1-40x50	40	75	83	50	32.5	100	22	83

Boring Holder for Indexable Insert Drill Form E1

可转位浅孔钻刀夹

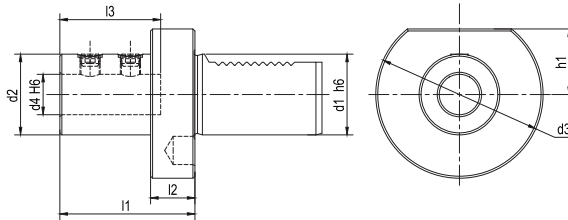


Metric

Size	d1	d2	d3	d4	h1	l1	l2	l3
E1-50x16	50	36	98	16	35	80	30	54
E1-50x20	50	40	98	20	35	67	30	54
E1-50x25	50	45	98	25	35	80	30	59
E1-50x32	50	52	98	32	35	80	30	63
E1-50x40	50	65	98	40	35	90	30	73
E1-50x50	50	75	98	50	35	100	30	83
E1-60x16	60	36	123	16	42.5	80	30	54
E1-60x20	60	40	123	20	42.5	80	30	54
E1-60x25	60	45	123	25	42.5	80	30	59
E1-60x32	60	52	123	32	42.5	80	30	63
E1-60x40	60	65	123	40	42.5	90	30	73
E1-60x50	60	75	123	50	42.5	100	30	83
E1-80x20	80	40	158	20	55	80	30	54
E1-80x25	80	45	158	25	55	80	30	59
E1-80x32	80	52	158	32	55	80	30	63
E1-80x40	80	65	158	40	55	90	30	73
E1-80x50	80	75	158	50	55	100	30	83

Boring Holder for Indexable Insert Drill Form E1

可转位浅孔钻刀夹

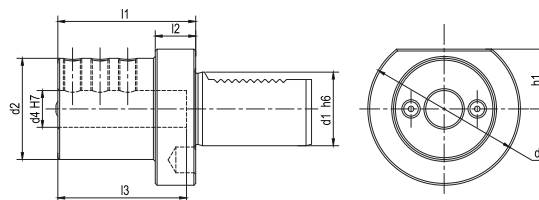


Inch

Size	d1	d2	d3	d4	h1	l1	l2	l3
E1-20x3/4"	20	40	50	3/4"	-	67	18	54
E1-20x1"	20	45	50	1"	-	71	18	59
E1-30x3/4"	30	40	68	3/4"	28	67	22	54
E1-30x1"	30	45	68	1"	28	71	22	58
E1-30x1-1/4"	30	52	68	1-1/4"	28	75	22	61
E1-40x5/8"	40	36	83	5/8"	32.5	67	22	54
E1-40x3/4"	40	40	83	3/4"	32.5	67	22	54
E1-40x1"	40	45	83	1"	32.5	75	22	59
E1-40x1-1/4"	40	52	83	1-1/4"	32.5	75	22	61
E1-40x1-1/2"	40	65	83	1-1/2"	32.5	90	22	73
E1-50x3/4"	50	40	98	3/4"	35	80	30	54
E1-50x1"	50	45	98	1"	35	80	30	59
E1-50x1-1/4"	50	52	98	1-1/4"	35	80	30	63
E1-50x1-1/2"	50	65	98	1-1/2"	35	90	30	73
E1-50x2"	50	75	98	2"	35	100	30	83

Boring Holder Form E2

镗孔刀夹

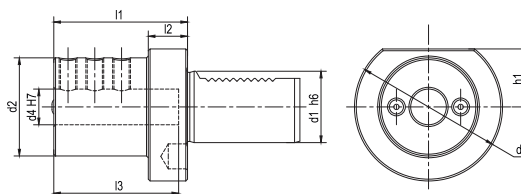


Metric

Size	d1	d2	d3	d4	h1	l1	l2	l3
E2-16x6	16	32	40	6	18	44	13	34
E2-16x8	16	32	40	8	18	44	13	34
E2-16x10	16	32	40	10	18	44	13	34
E2-16x12	16	40	40	12	18	44	13	34
E2-16x16	16	40	40	16	18	44	13	34
E2-20x6	20	40	50	6	23	50	18	42
E2-20x8	20	40	50	8	23	50	18	42
E2-20x10	20	40	50	10	23	50	18	42
E2-20x12	20	40	50	12	23	50	18	42
E2-20x16	20	42	50	16	23	50	18	42
E2-20x20	20	49	50	20	23	50	18	42
E2-20x25	20	49	50	25	23	60	18	52
E2-25x8	25	40	58	8	25	50	18	41
E2-25x10	25	40	58	10	25	50	18	41
E2-25x12	25	40	58	12	25	50	18	41
E2-25x16	25	40	58	16	25	50	18	41
E2-25x20	25	58	58	20	25	50	18	41
E2-25x25	25	58	58	25	25	60	18	51
E2-25x32	25	58	58	32	25	75	18	62

Boring Holder Form E2

镗孔刀夹

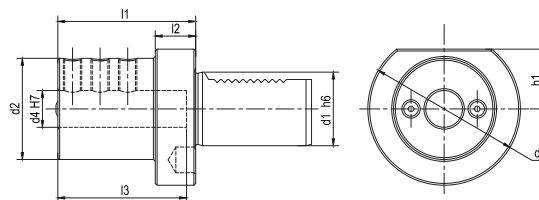


Metric

Size	d1	d2	d3	d4	h1	l1	l2	l3
E2-30x6	30	55	68	6	28	60	22	43
E2-30x8	30	55	68	8	28	60	22	43
E2-30x10	30	55	68	10	28	60	22	43
E2-30x12	30	55	68	12	28	60	22	43
E2-30x16	30	55	68	16	28	60	22	55
E2-30x20	30	55	68	20	28	60	22	54
E2-30x25	30	55	68	25	28	60	22	54
E2-30x30	30	67	68	30	28	75	22	61
E2-30x32	30	67	68	32	28	75	22	61
E2-40x8	40	55	83	8	32.5	75	22	43
E2-40x10	40	55	83	10	32.5	75	22	43
E2-40x12	40	55	83	12	32.5	75	22	58
E2-40x16	40	55	83	16	32.5	75	22	61
E2-40x20	40	55	83	20	32.5	75	22	61
E2-40x25	40	55	83	25	32.5	75	22	61
E2-40x30	40	82	83	30	32.5	75	22	61
E2-40x32	40	82	83	32	32.5	75	22	61
E2-40x40	40	82	83	40	32.5	90	22	76
E2-50x12	50	68	98	12	35	90	30	71
E2-50x16	50	68	98	16	35	90	30	76
E2-50x20	50	68	98	20	35	90	30	76
E2-50x25	50	68	98	25	35	90	30	76
E2-50x30	50	69	98	30	35	90	30	76
E2-50x32	50	69	98	32	35	90	30	76
E2-50x40	50	98	98	40	35	90	-	76
E2-50x50	50	98	98	50	35	100	-	86

Boring Holder Form E2

镗孔刀夹

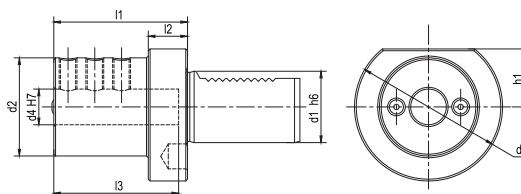


Metric

Size	d1	d2	d3	d4	h1	l1	l2	l3
E2-60x16	60	68	123	16	42.5	90	30	76
E2-60x20	60	68	123	20	42.5	90	30	76
E2-60x25	60	68	123	25	42.5	90	30	76
E2-60x30	60	68	123	30	42.5	90	30	76
E2-60x32	60	68	123	32	42.5	90	30	76
E2-60x40	60	98	123	40	42.5	90	30	76
E2-60x50	60	98	123	50	42.5	100	30	86
E2-80x20	80	68	158	20	55	100	30	86
E2-80x25	80	68	158	25	55	100	30	86
E2-80x32	80	68	158	32	55	100	30	86
E2-80x40	80	98	158	40	55	100	30	86
E2-80x50	80	98	158	50	55	100	30	92
E2-80x60	80	98	158	60	55	100	30	92

Boring Holder Form E2

镗孔刀夹

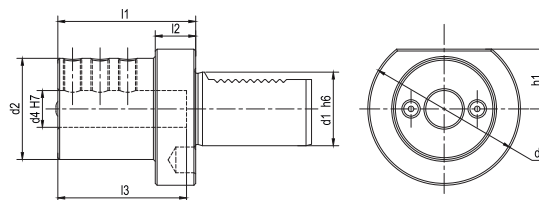


Inch

Size	d1	d2	d3	d4	h1	l1	l2	l3
E2-20x5/16"	20	40	50	5/16"	23	50	18	42
E2-20x3/8"	20	40	50	3/8"	23	50	18	42
E2-20x1/2"	20	40	50	1/2"	23	50	18	42
E2-20x5/8"	20	40	50	5/8"	23	50	18	42
E2-20x3/4"	20	45	50	3/4"	23	50	18	42
E2-20x1"	20	50	50	1"	23	60	18	52
E2-30x5/16"	30	55	68	5/16"	28	60	22	43
E2-30x3/8"	30	55	68	3/8"	28	60	22	43
E2-30x1/2"	30	55	68	1/2"	28	60	22	43
E2-30x5/8"	30	55	68	5/8"	28	60	22	55
E2-30x3/4"	30	55	68	3/4"	28	60	22	54
E2-30x1"	30	55	68	1"	28	60	22	54
E2-30x1-1/4"	30	67	68	1-1/4"	28	75	22	61
E2-40x3/8"	40	55	83	3/8"	32.5	75	22	43
E2-40x1/2"	40	55	83	1/2"	32.5	75	22	58
E2-40x5/8"	40	55	83	5/8"	32.5	75	22	61
E2-40x3/4"	40	55	83	3/4"	32.5	75	22	61
E2-40x1"	40	55	83	1"	32.5	75	22	61
E2-40x1-1/4"	40	82	83	1-1/4"	32.5	75	22	61
E2-40x1-1/2"	40	82	83	1-1/2"	32.5	90	22	76

Boring Holder Form E2

镗孔刀夹

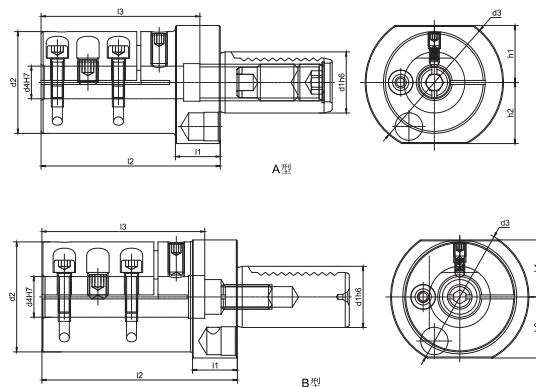


Inch

Size	d1	d2	d3	d4	h1	l1	l2	l3
E2-50x1/2"	50	68	98	1/2"	35	90	30	71
E2-50x5/8"	50	68	98	5/8"	35	90	30	76
E2-50x3/4"	50	68	98	3/4"	35	90	30	76
E2-50x1"	50	68	98	1"	35	90	30	76
E2-50x1-1/4"	50	69	98	1-1/4"	35	90	30	76
E2-50x1-1/2"	50	98	98	1-1/2"	35	90	-	76
E2-50x2"	50	98	98	2"	35	100	-	86
E2-60x5/8"	60	68	123	5/8"	42.5	90	30	76
E2-60x3/4"	60	68	123	3/4"	42.5	90	30	76
E2-60x1"	60	68	123	1"	42.5	90	30	76
E2-60x1-1/4"	60	68	123	1-1/4"	42.5	90	30	76
E2-60x1-1/2"	60	98	123	1-1/2"	42.5	90	30	76
E2-60x2"	60	98	123	2"	42.5	100	30	86

Boring Bar Holder Form E2S

镗孔刀夹，开槽型

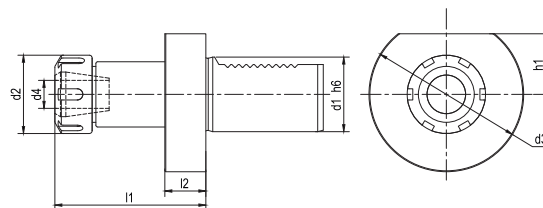


Inch

Size	d1	d2	d3	d4	h1	h2	l1	l2	l3	T
E2S-30x6	30	32	68	6	28	-	22	75	65	A
E2S-30x8	30	34	68	8	28	-	22	75	65	A
E2S-30x10	30	38	68	10	28	-	22	75	65	A
E2S-30x12	30	38	68	12	28	-	22	75	65	A
E2S-30x16	30	50	68	16	28	30	22	88	78	A
E2S-30x20	30	54	68	20	28	30	22	96	80	B
E2S-30x25	30	57	68	25	28	30	22	112	100	B
E2S-30x32	30	65	68	32	-	30	22	142	128	B
E2S-30x40	30	65	68	40	28	-	22	75	67	B
E2S-40x6	40	32	83	6	32.5	-	22	75	65	A
E2S-40x8	40	34	83	8	32.5	-	22	75	65	A
E2S-40x10	40	38	83	10	32.5	-	22	75	65	A
E2S-40x12	40	38	83	12	32.5	-	22	75	65	A
E2S-40x16	40	50	83	16	32.5	-	22	88	78	A
E2S-40x20	40	54	83	20	32.5	-	22	96	85	A
E2S-40x25	40	58	83	25	32.5	-	22	112	100	B
E2S-40x32	40	63	83	32	32.5	-	22	142	128	B
E2S-40x40	40	73	83	40	32.5	-	22	174	150	B
E2S-50x16	50	50	98	16	35	-	30	103	93	A
E2S-50x20	50	54	98	20	35	-	30	103	94	A
E2S-50x25	50	59	98	25	35	-	30	120	108	A
E2S-50x32	50	65	98	32	35	-	30	150	128	B
E2S-50x40	50	73	98	40	35	-	30	182	160	B
E2S-50x50	50	83	98	50	35	-	30	182	160	B
E2S-60x25	60	59	123	25	42.5	-	30	120	108	A
E2S-60x32	60	65	123	32	42.5	-	30	150	138	A
E2S-60x40	60	73	123	40	42.5	-	30	182	160	B
E2S-60x50	60	76	123	50	42.5	-	30	202	180	B
E2S-60x60	60	96	123	60	42.5	-	30	202	180	B

ER Collet Chuck Form E4

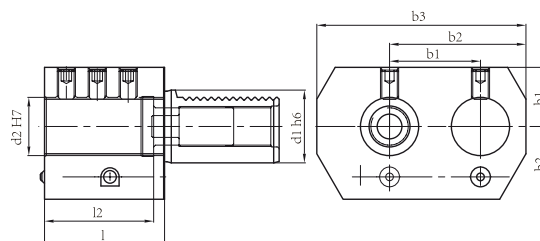
ER 夹头刀柄



Size	d1	d2	d3	d4	h1	l1	l2
E4-16xER16	16	32	40	1-10	18	44	13
E4-16xER20	16	35	40	1-13	18	44	13
E4-20xER16	20	32	50	1-10	-	44	18
E4-20xER20	20	35	50	1-13	-	59	18
E4-20xER25	20	42	50	2-16	-	65	18
E4-20xER32	20	50	50	2-20	-	67	18
E4-25xER16	25	32	58	1-10	25	44	18
E4-25xER25	25	42	58	2-16	25	58	18
E4-25xER32	25	50	58	2-20	25	63	18
E4-30xER16	30	32	68	1-10	28	48	22
E4-30xER20	30	35	68	1-13	28	59	22
E4-30xER25	30	42	68	2-16	28	57	22
E4-30xER32	30	50	68	2-20	28	78	22
E4-30xER40	30	63	68	3-26	28	80	22
E4-40xER20	40	35	83	1-13	32.5	59	22
E4-40xER25	40	42	83	2-16	32.5	57	22
E4-40xER32	40	50	83	2-20	32.5	78	22
E4-40xER40	40	63	83	3-26	32.5	80	22
E4-50xER25	50	42	98	2-16	35	67	30
E4-50xER32	50	50	98	2-20	35	92	30
E4-50xER40	50	63	98	3-26	35	80	30
E4-60xER32	60	50	123	2-20	42.5	78	30
E4-60xER40	60	63	123	3-26	42.5	80	30
E4-80xER40	80	63	158	3-26	55	100	40

Double Boring Bar Holder, Right

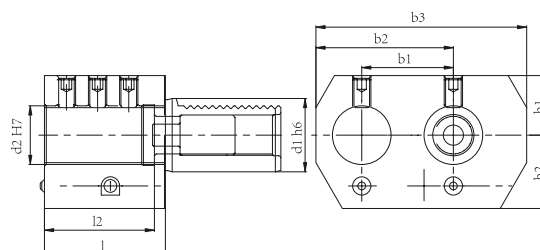
右侧双镗孔刀柄



Size	d1	d2	h1	h2	l1	l2	b1	b2	b3
E7-20x16	20	16	25	25	45	42	32	51	76
E7-20x20	20	20	25	25	45	42	32	51	76
E7-30x25	30	25	28	32	56	52	45	65	95
E7-40x32	40	32	32.5	40	66	60	50	75	115
E7-50x32	50	32	32.5	47.5	66	60	50	75	115
E7-50x50	50	50	35	49	90	80	68	103	152

Double Boring Bar Holder, Left

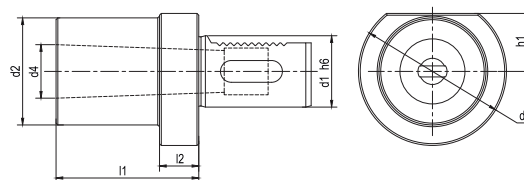
左侧双镗孔刀柄



Size	d1	d2	h1	h2	l1	l2	b1	b2	b3
E8-20x16	20	16	25	25	45	42	32	51	76
E8-20x20	20	20	25	25	45	42	32	51	76
E8-30x25	30	25	28	32	56	52	45	65	95
E8-40x32	40	32	32.5	40	66	60	50	75	115
E8-50x32	50	32	32.5	47.5	66	60	50	75	115
E8-50x50	50	50	35	49	90	80	68	103	152

Morse Taper Adapter Form F

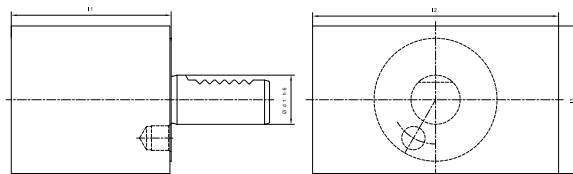
带扁尾莫氏刀柄



Size	d1	d2	d3	MK	d4	h1	l1	l2
F-30xMT1	30	-	68	1	12.065	28	27	-
F-30xMT2	30	55	68	2	17.78	28	36	27
F-30xMT3	30	55	68	3	23.825	28	66	41
F-40xMT1	40	55	83	1	12.065	32.5	23	22
F-40xMT2	40	55	83	2	17.78	32.5	36	22
F-40xMT3	40	58	83	3	23.825	32.5	36	22
F-40xMT4	40	68	83	4	31.267	32.5	80	22
F-50xMT2	50	55	98	2	17.78	35	36	30
F-50xMT3	50	58	98	3	23.825	35	45	30
F-50xMT4	50	68	98	4	31.267	35	55	30
F-50xMT5	50	75	98	5	44.399	35	168	-
F-60xMT2	60	55	123	2	17.78	42.5	35	30
F-60xMT3	60	58	123	3	23.825	42.5	45	30
F-60xMT4	60	68	123	4	31.267	42.5	55	30
F-60xMT5	60	98	123	5	44.399	42.5	64	30

Rectangular Soft Blank Form A1

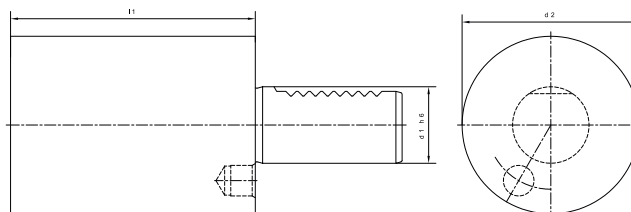
方形基础柄



Size	d1	l1	l2	l3
A1-16x44	16	44	78	44
A1-20x65	20	65	100	60
A1-25x75	25	75	100	60
A1-30x85	30	85	130	76
A1-40x100	40	100	151	96
A1-50x125	50	125	160	120
A1-60x160	60	160	165	125
A1-80x200	80	200	220	160

Round Soft Blank Form A2

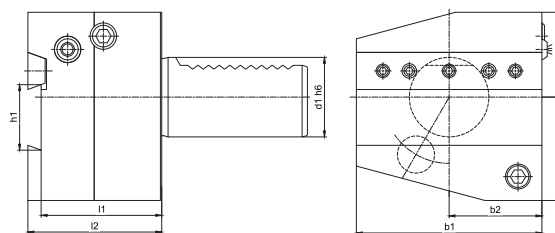
圆形基础柄



Size	d1	d2	l1
A2-16x60	16	40	60
A2-20x70	20	50	70
A2-25x80	25	58	80
A2-25x200	25	58	200
A2-30x100	30	68	100
A2-30x240	30	68	240
A2-40x120	40	83	120
A2-40x320	40	83	320
A2-50x135	50	98	135
A2-50x400	50	98	400
A2-60x150	60	123	150
A2-60x480	60	123	480
A2-80x500	80	158	500

Cutting Off Tool Holder Right Height Adjustable

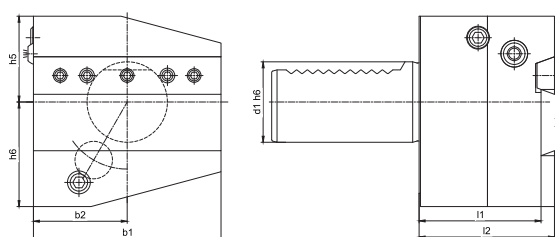
短型横向切刀右刀夹



Size	d1	b1	b2	h1	h5	h6	l1	l2
AR2026	20	60	30	26	28	36	44	50
AR2526	25	60	30	26	28	36	44	50
AR3026	30	70	35	26	32	39	44	50
AR4026	40	85	42.5	26	43	41.5	44	50
AR4032	40	85	42.5	32	43	41.5	44	50
AR5026	50	100	50	26	43	45	44	50
AR5032	50	100	50	32	43	45	44	50
AR6032	60	125	62.5	32	48	55	44	50

Cutting Off Tool Holder Left Height Adjustable

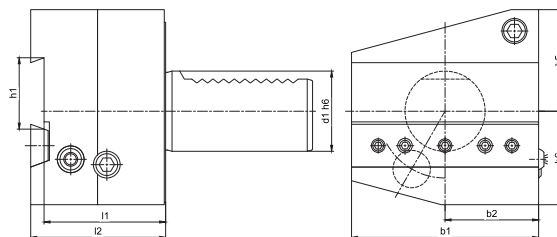
短型横向切刀左刀夹



Size	d1	b1	b2	h1	h5	h6	l1	l2
AL2026	20	60	30	26	28	36	44	50
AL2526	25	60	30	26	32	36	44	50
AL3026	30	70	35	26	32	39	44	50
AL4026	40	85	42.5	26	43	41.5	44	50
AL4032	40	85	42.5	32	43	41.5	44	50
AL5026	50	100	50	26	43	45	44	50
AL5032	50	100	50	32	43	45	44	50
AL6032	60	125	62.5	32	48	55	44	50

Cuting Off Tool Holder Inverted Right Height Adjustable

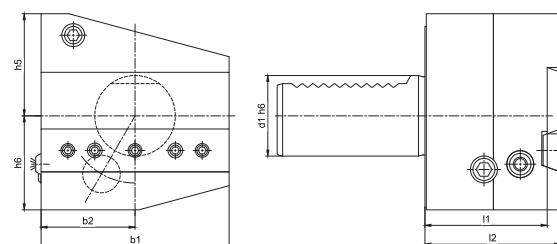
短型横向切刀反切右刀夹



Size	d1	b1	b2	h1	h5	h6	l1	l2
ARU2526	25	60	30	26	36	28	44	50
ARU3026	30	70	35	26	38	35	44	50
ARU4026	40	85	42.5	26	43	41.5	44	50
ARU4032	40	85	42.5	32	43	41.5	44	50
ARU5026	50	100	50	26	43	45	44	50
ARU5032	50	100	50	32	43	45	44	50
ARU6032	60	125	62.5	32	48	55	44	50

Cuting Off Tool Holder Inverted Left Height Adjustable

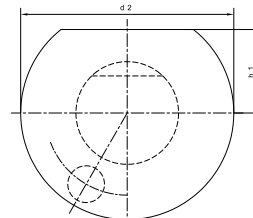
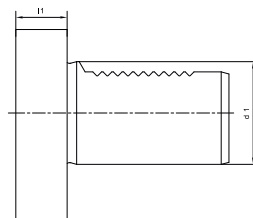
短型横向切刀反切左刀夹



Size	d1	b1	b2	h1	h5	h6	l1	l2
ALU2526	25	60	30	26	36	28	44	50
ALU3026	30	70	35	26	38	35	44	50
ALU4026	40	85	42.5	26	43	41.5	44	50
ALU4032	40	85	42.5	32	43	41.5	44	50
ALU5026	50	100	50	26	43	45	44	50
ALU5032	50	100	50	32	43	45	44	50
ALU6032	60	125	62.5	32	48	55	44	50

Protection Plug Form Z2

保护塞



Steel Plug

Size	d1	d2	h1	l1
Z2-16x13S	16	40	18	13
Z2-20x16S	20	50	23	16
Z2-25x16S	25	58	25	16
Z2-30x16S	30	68	28	16
Z2-40x20S	40	83	32.5	20
Z2-50x20S	50	98	35	20
Z2-60x20S	60	123	42.5	20

Plastic Plug

Size	d1	d2	h1	l1
Z2-16x13P	16	40	18	13
Z2-20x16P	20	50	23	16
Z2-25x16P	25	58	25	16
Z2-30x16P	30	68	28	16
Z2-40x20P	40	83	32.5	20
Z2-50x20P	50	98	35	20
Z2-60x20P	60	123	42.5	20

VDI Coolant

TOOL HOLDERS



Bright-tools

BRIGHT-TOOLS

VDI Tool Holders with High Pressure Coolant Channels

VDI 内冷型



01 VDI Shank

02 Compression Structure

Two Types, Standard Shim and Wedge Clamping

03 External Cooling Outlet

Adjustable, extra cooling tube can be added.

04 Internal Cooling Slot

A long coolant outlet slot for internal cooling, enables to adjust the tool's protrusion.

05 Tool Holder Clamping Base

Shim can be ordered separately, used for small size tool holder.

01 安装柄

经久耐用，一柄两用

02 压紧结构

常规压板和楔形压紧两种结构

03 球形可调式冷却液喷口

外冷却出水孔可任意方向调节，可配套安装加长冷却管

04 内冷槽

可通过刀杆直接将冷却液输送至刀片

05 刀杆安装基面

可加装垫片用于适应小一号刀杆



VDI COOLANT TOOLING SYSTEM

VDI COOLANT 工具系统

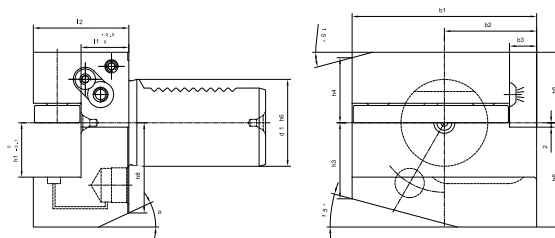
B1A Radial, Short, Coolant.....	I.38
短型横向右刀夹, 内冷型.....	I.38
B2A Radial, Short, Coolant.....	I.38
短型横向左刀夹, 内冷型.....	I.38
B3A Radial, Short, Coolant	I.39
短型横向反切右刀夹, 内冷型.....	I.39
B4A Radial, Short, Coolant	I.39
短型横向反切左刀夹, 内冷型.....	I.39
B1B4A Radial, Short, Coolant.....	I.40
短型横向右(反切左)刀夹, 内冷型.....	I.40
B1B4AK Radial, Short, Coolant, Wedge Clamping Holders.....	I.40
短型横向右(反切左)刀夹, 内冷型, 楔形压紧.....	I.40
B2B3A Radial, Short, Coolant.....	I.41
短型横向左(反切右)刀夹, 内冷型.....	I.41
B2B3AK Radial, Short, Coolant, Wedge Clamping Holders.....	I.41
短型横向左(反切右)刀夹, 内冷型, 楔形压紧.....	I.41
B5AK Radial, Long, Coolant, Wedge Clamping Holders	I.42
长型横向右刀夹, 内冷型, 楔形压紧.....	I.42
B6AK Radial, Long, Coolant, Wedge Clamping Holders	I.42
长型横向左刀夹, 内冷型, 楔形压紧.....	I.42
B7AK Radial, Long, Coolant, Wedge Clamping Holders	I.43
长型横向反切右刀夹, 内冷型, 楔形压紧.....	I.43
C1C4A Axial, Coolant.....	I.43
纵向右(反切左)刀夹, 内冷型.....	I.43
C1C4AK Axial, Coolant, Wedge Clamping Holders.....	I.44
纵向右(反切左)刀夹, 内冷型, 楔形压紧.....	I.44
C2C3A Axial, Coolant.....	I.44
纵向左(反切右)刀夹, 内冷型.....	I.44
C2C3AK Axial, Coolant, Wedge Clamping Holders.....	I.45
纵向左(反切右)刀夹, 内冷型, 楔形压紧.....	I.45
D1D2A Rectangular Holder, Coolant.....	I.45
多座刀夹, 内冷型.....	I.45
ARALU Cutting Off Tool Holder, Coolant.....	I.46
短型横向切刀右(反切左)刀夹, 内冷型.....	I.46
ALARU Cutting Off Tool Holder, Coolant.....	I.46
短型横向切刀左(反切右)刀夹, 内冷型.....	I.46



VDI

B1A Radial, Short, Coolant

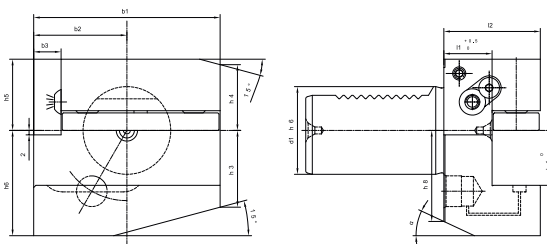
短型横向右刀夹, 内冷型



Size	b1	b2	b3	l1	h3	h4	h5	h6	h8	α
B1A-161234	42	23	5	23	15	15	20	22	19	30°
B1A-201640	55	30	7	26	19	19	25	30	23	30°
B1A-252040	70	35	10	22	26	22	28	38	30	25°
B1A-302040	70	35	10	22	26	22	28	38	30	25°
B1A-402544	85	42.5	12.5	22	35	30	32.5	48	43	30°
B1A-502544	85	42.5	12.5	22	43	30	32.5	48	43	30°

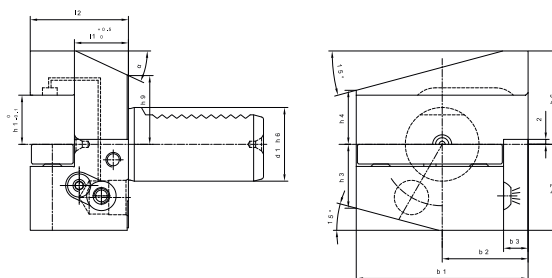
B2A Radial, Short, Coolant

短型横向左刀夹, 内冷型



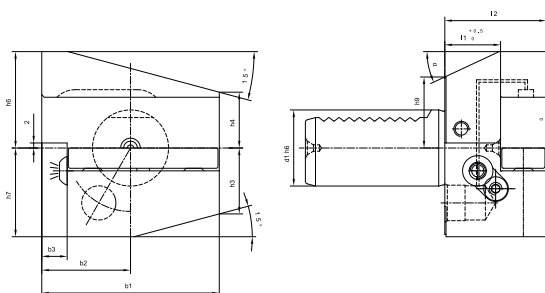
Size	b1	b2	b3	l1	h3	h4	h5	h6	h8	α
B2A-161234	42	23	5	23	15	15	20	22	19	30°
B2A-201640	55	30	7	26	19	19	25	30	23	30°
B2A-252040	70	35	10	22	29.5	22	28	38	30	25°
B2A-302040	70	35	10	22	26	22	28	38	30	25°
B2A-402544	85	42.5	12.5	22	35	30	32.5	48	43	30°
B2A-502544	85	42.5	12.5	22	35	30	32.5	48	43	30°

B3A Radial, Short, Coolant 短型横向反切右刀夹, 内冷型



Size	b1	b2	b3	l1	h3	h4	h6	h7	h9	α
B3A-161234	42	23	5	23	15	15	22	20	19	30°
B3A-201640	55	30	7	26	19	19	30	25	23	30°
B3A-302040	70	35	10	22	26	22	38	35	28	25°
B3A-402544	85	42.5	12.5	22	35	30	48	42.5	43	30°
B3A-502544	85	42.5	12.5	22	35	30	48	42.5	43	30°

B4A Radial, Short, Coolant 短型横向反切左刀夹, 内冷型



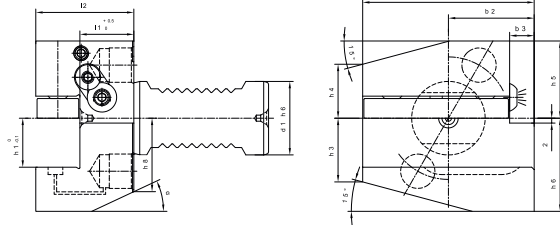
Size	b1	b2	b3	l1	h3	h4	h6	h7	h9	α
B4A-161234	42	23	5	23	15	15	22	20	19	30°
B4A-201640	55	30	7	26	19	19	30	25	23	30°
B4A-302040	70	35	10	22	26	22	38	35	28	25°
B4A-402544	85	42.5	12.5	22	35	30	48	42.5	43	30°
B4A-502544	85	42.5	12.5	22	35	30	48	42.5	43	30°



Bright-tools

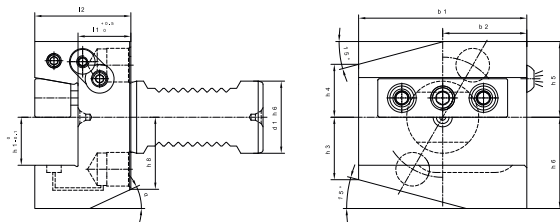
BRIGHT-TOOLS

B1B4A Radial, Short, Coolant 短型横向右 (反切左) 刀夹, 内冷型



Size	b1	b2	b3	l1	h3	h4	h5	h6	h8	α
B1B4A-302040	70	35	10	22	26	22	31.5	38	30	25°
B1B4A-402544	85	42.5	12.5	22	35	30	38	48	43	30°
B1B4A-502544	85	42.5	12.5	22	43	30	43	48	43	30°

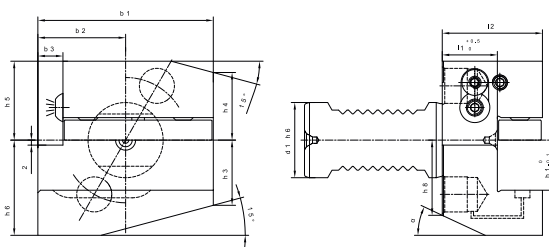
B1B4AK Radial, Short, Coolant, Wedge Clamping Holders 短型横向右 (反切左) 刀夹, 内冷型, 楔形压紧



Size	b1	b2	b3	l1	h3	h4	h5	h6	h8	α
B1B4AK-302040	70	35	-	22	26	22	31.5	38	30	25°
B1B4AK-402544	85	42.5	-	22	35	30	38	48	43	30°
B1B4AK-502544	85	42.5	-	22	43	30	43	48	43	30°

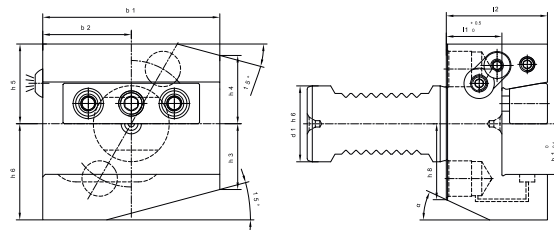
VDI

B2B3A Radial, Short, Coolant 短型横向左 (反切右) 刀夹, 内冷型



Size	b1	b2	b3	l1	h3	h4	h5	h6	h8	α
B2B3A-302040	70	35	10	22	26	27	31.5	38	30	25°
B2B3A-402544	85	42.5	12.5	22	35	30	38	48	43	30°
B2B3A-502544	85	42.5	12.5	22	35	38	43	48	43	30°

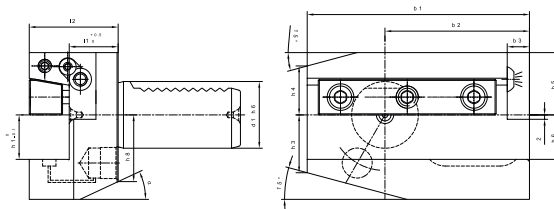
B2B3AK Radial, Short, Coolant, Wedge Clamping Holders 短型横向左 (反切右) 刀夹, 内冷型, 楔形压紧



Size	b1	b2	b3	l1	h3	h4	h5	h6	h8	α
B2B3AK-302040	70	35	-	22	26	27	31.5	38	30	25°
B2B3AK-402544	85	42.5	-	22	35	30	38	48	43	30°
B2B3AK-502544	85	42.5	-	22	35	38	43	48	43	30°

B5AK Radial, Long, Coolant, Wedge Clamping Holders

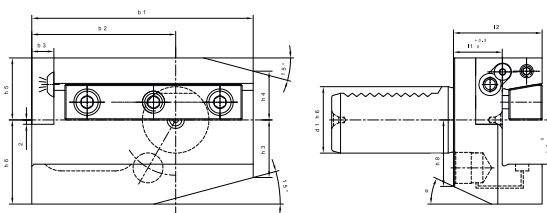
长型横向右刀夹, 内冷型, 楔形压紧



Size	b1	b2	b3	l1	h3	h4	h5	h6	h8	α
B5AK-302040	100	65	10	22	26	22	28	38	30	25°
B5AK-402544	118	75.5	12.5	22	35	30	32.5	48	43	30°
B5AK-503255	130	80	16	30	42	35	35	60	55	30°
B5AK-603260	145	82.5	16	30	46	42.5	42.5	62.5	57	30°

B6AK Radial, Long, Coolant, Wedge Clamping Holders

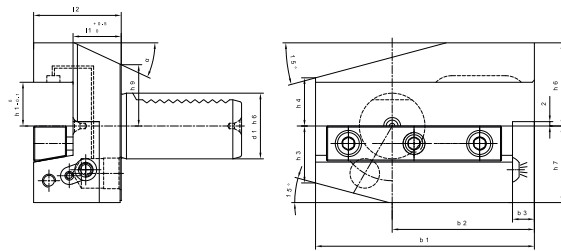
长型横向左刀夹, 内冷型, 楔形压紧



Size	b1	b2	b3	l1	h3	h4	h5	h6	h8	α
B6AK-302040	100	65	10	22	26	22	28	38	30	25°
B6AK-402544	118	75.5	12.5	22	35	30	32.5	48	43	30°
B6AK-503255	130	80	16	30	42	35	35	60	55	30°
B6AK-603260	145	82.5	16	30	46	42.5	42.5	62.5	57	30°

B7AK Radial, Long, Coolant, Wedge Clamping Holders

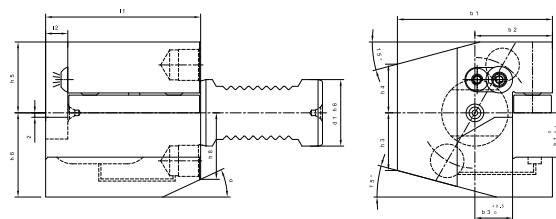
长型横向反切右刀夹, 内冷型, 楔形压紧



Size	b1	b2	b3	l1	h3	h4	h6	h7	h9	α
B7AK-302040	100	65	10	22	26	22	38	35	28°	25°
B7AK-402544	118	75.5	12.5	22	35	30	48	42.5	43	30°
B7AK-503255	130	80	16	30	42	35	60	50	55	30°
B7AK-603260	145	82.5	16	30	46	42.5	62.5	62.5	57	30°

C1C4A Axial, Coolant

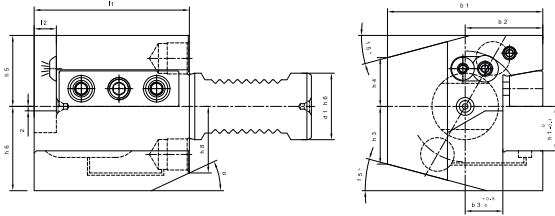
纵向右 (反切左) 刀夹, 内冷型



Size	b1	b2	b3	l2	h3	h4	h5	h6	h8	α
C1C4A-161244	43	24	13	5	15	15	24	20	19	30°
C1C4A-201655	52	27	13	7	19	19	25	30	23	30°
C1C4A-252025	58	33	15	7	26	26	28	36	28	15°
C1C4A-302070	70	35	17	10	26	22	32	38	30	25°
C1C4A-402585	85	42.5	21	12.5	35	30	38	48	40	15°
C1C4A-502585	90.5	48	26	12.5	42	35	44	48	43	30°

C1C4AK Axial, Coolant, Wedge Clamping Holders

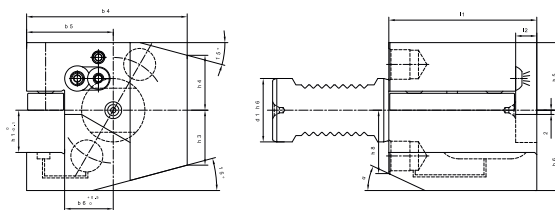
纵向右 (反切左) 刀夹 , 内冷型 , 楔形压紧



Size	b1	b2	b3	l2	h3	h4	h5	h6	h8	α
C1C4AK-302070	70	35	17	10	26	22	32	38	30	25°
C1C4AK-402585	85	42.5	21	12.5	35	30	38	48	40	15°
C1C4AK-502585	90.5	48	26	12.5	42	35	44	48	43	30°

C2C3A Axial, Coolant

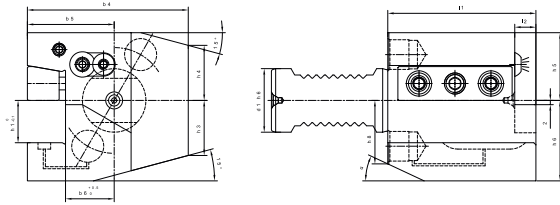
纵向左 (反切右) 刀夹 , 内冷型



Size	b4	b5	b6	l2	h3	h4	h5	h6	h8	α
C2C3A-161244	43	24	13	5	15	15	20	24	19	30°
C2C3A-201655	58	33	19	7	19	19	25	30	23	30°
C2C3A-252055	62	37	19	7	26	26	28	36	28	15°
C2C3A-302070	76	41	23	10	26	26	32	38	30	25°
C2C3A-402585	90	47.5	25.5	12.5	35	30	38	48	40	15°
C2C3A-502585	95	52.5	30.5	12.5	42	37	44	48	43	30°

C2C3AK Axial, Coolant, Wedge Clamping Holders

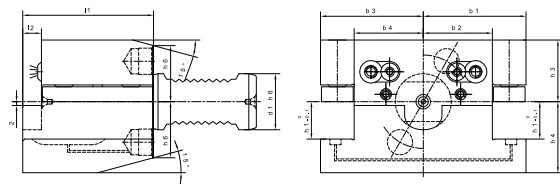
纵向左 (反切右) 刀夹 , 内冷型 , 楔形压紧



Size	b4	b5	b6	l2	h3	h4	h5	h6	h8	α
C2C3AK-302070	76	41	23	10	26	26	32	38	30	25°
C2C3AK-402585	90	47.5	25.5	12.5	35	30	38	48	40	15°
C2C3AK-502585	95	52.5	30.5	12.5	42	37	44	48	43	30°

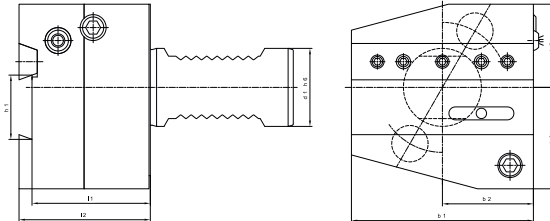
D1D2A Rectangular Holder, Coolant

多座刀夹, 内冷型



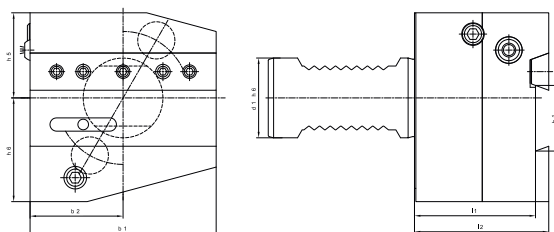
Size	b1	b2	b3	b4	h3	h4	h6	l2	α
D1D2A-252055	37	19	37	19	28	38	28	7	15°
D1D2A-302070	55	37	55	37	33	38	30	10	15°
D1D2A-402585	65	43	65	43	43.5	48	37	12.5	15°

ARALU Cuting Off Tool Holder, Coolant 短型横向切刀右 (反切左) 刀夹 , 内冷型



Size	l1	l2	b1	b2	h5	h6
ARALUA-2526	44	50	60	30	28	36
ARALUA-3026	44	50	70	35	32	37
ARALUA-3032	44	50	85	42.5	32	40
ARALUA-4026	44	50	85	42.5	43	40
ARALUA-4032	44	50	85	42.5	43	40
ARALUA-5032	44	50	100	50	43	45

ALARU Cuting Off Tool Holder, Coolant 短型横向切刀左 (反切右) 刀夹 , 内冷型



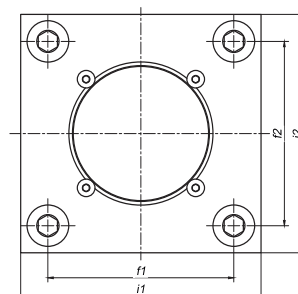
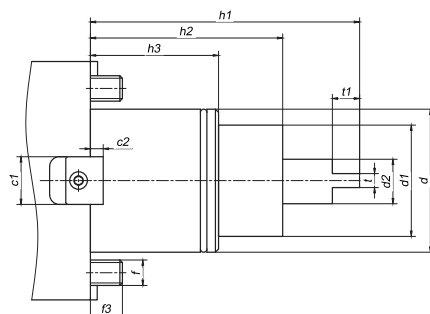
Size	l1	l2	b1	b2	h5	h6
ALARUA-2526	44	50	60	30	28	36
ALARUA-3026	44	50	70	35	32	37
ALARUA-3032	44	50	85	42.5	32	40
ALARUA-4026	44	50	85	42.5	43	40
ALARUA-4032	44	50	85	42.5	43	40
ALARUA-5032	44	50	100	50	43	45

BMT

TOOL HOLDERS

BMT Taper Standard

BMT 锥柄标准



Type	c1	c2	d	d1	d2	f	f1	f2	f3	h1	h2	h3	i1	i2	t	t1
BMT45	15	4	45	35	14	M8	58	58	10	84	60	40	75	75	6	8.5
BMT55	15	4	55	40	16	M10	64	64	14	104	75	30	85	85	8	8.5
BMT65	18	5	65	45	18	M12	70	73	15	112	83	32	94	94	10	14
BMT75	25	5	75	55	23	M12	90	90	15	110	80	43	112	112	14	15
BMT85	25	5	85	65	33.5	M12	100	100	18	140	100	43	125	125	16	20

BMT TOOLING SYSTEM

BMT 工具系统

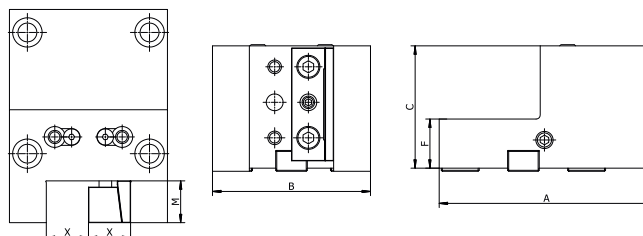
BMT OD Turning Tool Holder.....	J.04
BMT 外径刀座, 外出水	J.04
BMT Double OD Turning Tool Holder.....	J.05
BMT 外径双刀座, 外出水	J.05
BMT.QD.Turning.Tool.Holder, Short	J.06
BMT 短型外径刀座, 外出水	J.06
BMT.Double.QD.Turning.Tool.Holder, Short	J.07
BMT 短型外径双刀座, 外出水	J.07
BMT Facing Tool Holder.....	J.08
BMT 端面刀座, 外部出水	J.08
BMT Boring Bar Holder, Internal and External Coolant.....	J.09
BMT 内孔刀座, 内出水 + 外出水	J.09



BMT

BMT OD Turning Tool Holder

BMT 外径刀座, 外出水



Metric

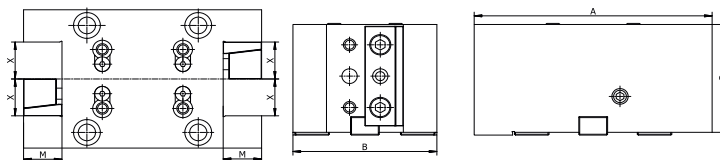
Size	X	A	B	C	F	M
BMT45-OD20-60	20	105	75	60	30	20
BMT55-OD20-60	20	120	85	60	30	20
BMT55-OD25-75	25	126	85	75	30	25
BMT65-OD20-75	20	131	96	75	30	20
BMT65-OD25-75	25	131	96	75	30	25
BMT75-OD25-85	25	145.5	112	85	35	25
BMT75-OD25-100	25	145.5	112	100	35	25
BMT75-OD32-85	32	153	112	85	35	32
BMT75-OD32-100	32	153	112	100	35	32
BMT85-OD32-75	32	174	130	75	40	32
BMT85-OD32-90	32	168.5	130	90	40	32
BMT85-OD32-120	32	168.5	130	120	50	32

Inch

Size	X	A	B	C	F	M
BMT45-OD19.05-60	19.05	105	75	60	30	19.05
BMT55-OD19.05-60	19.05	120	85	60	30	19.05
BMT55-OD25.4-75	25.4	126	85	75	30	25.4
BMT65-OD19.05-75	19.05	131	96	75	30	19.05
BMT65-OD25.4-75	25.4	131	96	75	30	25.4
BMT75-OD25.4-85	25.4	145.5	112	85	35	25.4
BMT75-OD25.4-100	25.4	145.5	112	100	35	25.4
BMT75-OD31.75-85	31.75	153	112	85	35	31.75
BMT75-OD31.75-100	31.75	153	112	100	35	31.75
BMT85-OD31.75-75	31.75	174	130	75	40	31.75
BMT85-OD31.75-90	31.75	168.5	130	90	40	31.75
BMT85-OD31.75-120	31.75	168.5	130	120	50	31.75

BMT Double OD Turning Tool Holder

BMT 外径双刀座, 外出水



Metric

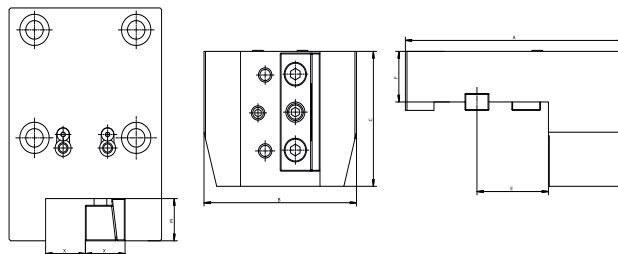
Size	X	A	B	G	M
BMT45-OD20D-60	20	124	75	60	20
BMT55-OD20D-65	20	152	85	65	20
BMT55-OD25D-65	25	152	85	65	25
BMT65-OD25D-75	25	157	96	75	25
BMT75-OD32D-85	32	185	112	85	32

Inch

Size	X	A	B	G	M
BMT45-OD19.05D-60	19.05	124	75	60	19.05
BMT55-OD19.05D-65	19.05	152	85	65	19.05
BMT55-OD25.4D-65	25.4	152	85	65	25.4
BMT65-OD25.4D-75	25.4	149	96	75	25.4
BMT75-OD31.75D-85	31.75	185	112	85	31.75

BMT OD Turning Tool Holder, Short

BMT 短型外径刀座, 外出水



Metric

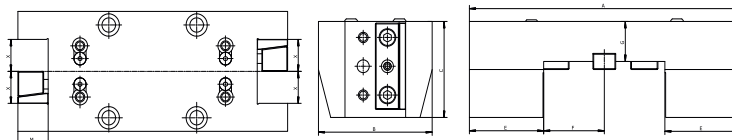
Size	X	A	B	C	E	F	M
BMT45-ODS20-65-E41	20	127	75	65	41	30	20
BMT55-ODS25-80-E46	25	138	85	80	46	30	25
BMT55-ODS25-80-E51	25	138	85	80	51	30	25
BMT65-ODS25-80-E56	25	146	96	80	56	40	25
BMT75-ODS25-100-E58.5	25	168	112	100	58.5	50	25
BMT75-ODS32-100-E58.5	32	168	112	100	58.5	50	32
BMT85-ODS32-110-E71	32	190	130	110	71	50	32

Inch

Size	X	A	B	C	E	F	M
BMT45-ODS19.05-65-E41	19.05	127	75	65	41	30	19.05
BMT55-ODS25.4-80-E46	25.4	138	85	80	46	30	25.4
BMT55-ODS25.4-80-E51	25.4	138	85	80	51	30	25.4
BMT65-ODS25.4-80-E56	25.4	146	96	80	56	40	25.4
BMT75-ODS25.4-100-E58.5	25.4	168	112	100	58.5	50	25.4
BMT75-ODS31.75-100-E58.5	31.75	168	112	100	58.5	50	31.75
BMT85-ODS31.75-110-E71	31.75	190	130	110	71	50	31.75

BMT Double OD Turning Tool Holder, Short

BMT 短型外径双刀座, 外出水



Metric

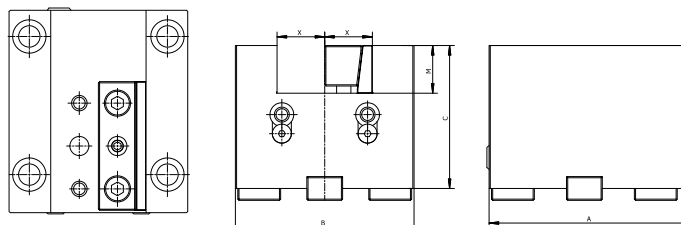
Size	X	A	B	C	E	F	G	M
BMT45-ODS20D-65-E41	20	164	75	65	41	41	30	20
BMT55-ODS25D-80-E46	25	178	85	80	46	43	30	25
BMT55-ODS25D-80-E51	25	188	85	80	51	43	30	25

Inch

Size	X	A	B	C	E	F	G	M
BMT45-ODS19.05D-65-E41	19.05	164	75	65	41	41	30	19.05
BMT55-ODS25.4D-80-E46	25.4	178	85	80	46	43	30	25.4
BMT55-ODS25.4D-80-E51	25.4	188	85	80	51	43	30	25.4

BMT Facing Tool Holder

BMT 端面刀座 , 外部出水



Metric

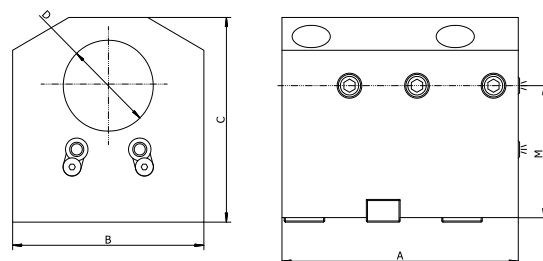
Size	X	A	B	C	M
BMT45-F20-65	20	86	75	65	20
BMT45-F20-80	20	86	75	80	20
BMT55-F20-70	20	95	85	70	20
BMT55-F25-70	25	105	85	70	25
BMT65-F25-82.5	25	100	96	82.5	25
BMT65-F25-120	25	100	96	120	25
BMT75-F25-70	25	120	112	70	25
BMT75-F25-135	25	120	112	135	25
BMT75-F25-122	25	120	112	122	25
BMT75-F32-100	32	120	112	100	32
BMT75-F32-122	32	120	112	122	32
BMT85-F32-105	32	168.5	130	105	32
BMT85-F32-140	32	168.5	130	140	32

Inch

Size	X	A	B	C	M
BMT45-F19.05-65	19.05	86	75	65	19.05
BMT45-F19.05-80	19.05	86	75	80	19.05
BMT55-F19.05-70	19.05	95	85	70	19.05
BMT55-F25.4-70	25.4	105	85	70	25.4
BMT65-F25.4-82.5	25.4	100	96	82.5	25.4
BMT65-F25.4-120	25.4	100	96	120	25.4
BMT75-F25.4-70	25.4	120	112	70	25.4
BMT75-F25.4-135	25.4	120	112	135	25.4
BMT75-F25.4-122	25.4	120	112	122	25.4
BMT75-F31.75-100	31.75	120	112	100	31.75
BMT75-F31.75-122	31.75	120	112	122	31.75
BMT85-F31.75-105	31.75	168.5	130	105	31.75
BMT85-F31.75-140	31.75	168.5	130	140	31.75

BMT Boring Bar Holder, Internal and External Coolant

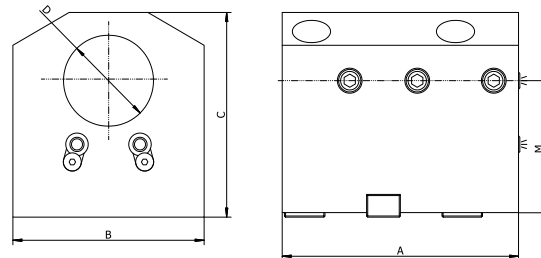
BMT 内孔刀座, 内出水 + 外出水



Size	D	A	B	C	M
BMT45-ID25-H65-95	25	95	75	95	65
BMT45-ID32-H65-95	32	95	75	95	65
BMT45-ID40-H65-95	40	95	75	95	65
BMT45-ID32-H85-115	32	95	75	115	85
BMT45-ID40-H85-115	40	95	75	115	85
BMT55-ID25-H100-130	25	105	85	130	100
BMT55-ID32-H60-90	32	105	85	90	60
BMT55-ID32-H70-100	32	105	85	100	70
BMT55-ID32-H85-115	32	105	85	115	85
BMT55-ID32-H100-130	32	105	85	130	100
BMT55-ID40-H60-90	40	105	85	90	60
BMT55-ID40-H70-100	40	105	85	100	70
BMT55-ID40-H85-115	40	105	85	115	85
BMT55-ID40-H100-130	40	105	85	130	100
BMT65-ID32-H72-107	32	126	95	107	72
BMT65-ID32-H100-135	32	126	95	135	100
BMT65-ID40-H72-107	40	126	95	107	72
BMT65-ID40-H85-120	40	126	95	120	85
BMT65-ID40-H100-135	40	126	95	135	100
BMT65-ID40-H115-150	40	126	95	150	115
BMT65-ID50-H72-112	50	126	95	112	72
BMT65-ID50-H90-130	50	126	95	130	90
BMT65-ID50-H100-140	50	126	95	140	100

BMT Boring Bar Holder, Internal and External Coolant

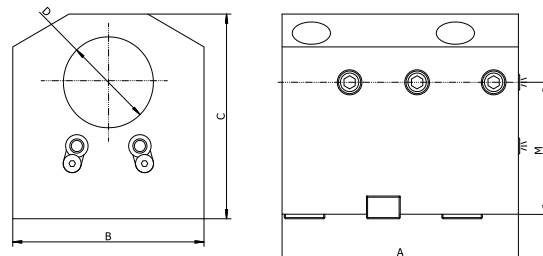
BMT 内孔刀座 , 内出水 + 外出水



Size	D	A	B	C	M
BMT75-ID40-H60-105	40	135	112	105	60
BMT75-ID40-H90-135	40	135	112	135	90
BMT75-ID50-H90-135	50	165	112	135	90
BMT75-ID50-H110-155	50	165	112	155	110
BMT75-ID50-H125-170	50	165	112	170	125
BMT75-ID60-H60-105	60	165	112	105	60
BMT75-ID60-H90-135	60	165	112	135	90
BMT75-ID60-H110-155	60	165	112	155	110
BMT75-ID60-H125-170	60	165	112	170	125
BMT75-ID63-H110-155	63	165	112	155	110
BMT85-ID50-H85-132	50	161.5	130	132	85
BMT85-ID60-H85-132	60	161.5	130	132	85
BMT85-ID80-H85-137	80	161.5	130	137	85
BMT85-ID50-H110-157	50	161.5	130	157	110
BMT85-ID60-H110-157	60	161.5	130	157	110
BMT85-ID80-H110-162	80	161.5	130	162	110

BMT Boring Bar Holder, Internal and External Coolant

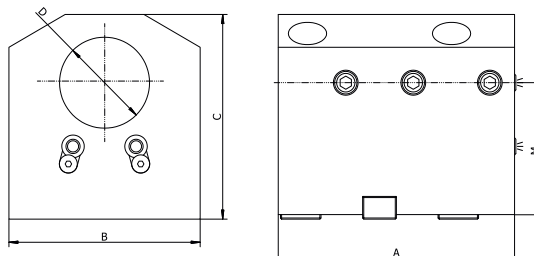
BMT 内孔刀座, 内出水 + 外出水



Size	D	A	B	C	M
BMT45-ID25.4-H65-95	25.4	95	75	95	65
BMT45-ID31.75-H65-95	31.75	95	75	95	65
BMT45-ID40-H65-95	40	95	75	95	65
BMT45-ID31.75-H85-115	31.75	95	75	115	85
BMT45-ID38.1-H85-115	38.1	95	75	115	85
BMT55-ID25.4-H100-130	25.4	105	85	130	100
BMT55-ID31.75-H60-90	31.75	105	85	90	60
BMT55-ID31.75-H70-100	31.75	105	85	100	70
BMT55-ID31.75-H85-115	31.75	105	85	115	85
BMT55-ID31.75-H100-130	31.75	105	85	130	100
BMT55-ID38.1-H60-90	38.1	105	85	90	60
BMT55-ID38.1-H70-100	38.1	105	85	100	70
BMT55-ID38.1-H85-115	38.1	105	85	115	85
BMT55-ID38.1-H100-130	38.1	105	85	130	100
BMT65-ID31.75-H72-107	31.75	126	95	107	72
BMT65-ID31.75-H100-135	31.75	126	95	135	100
BMT65-ID38.1-H72-107	38.1	126	95	107	72
BMT65-ID38.1-H85-120	38.1	126	95	120	85
BMT65-ID38.1-H100-135	38.1	126	95	135	100
BMT65-ID38.1-H115-150	38.1	126	95	150	115
BMT65-ID50.8-H72-112	50.8	126	95	112	72
BMT65-ID50.8-H90-130	50.8	126	95	130	90
BMT65-ID50.8-H100-140	50.8	126	95	140	100

BMT Boring Bar Holder, Internal and External Coolant

BMT 内孔刀座 , 内出水 + 外出水



Size	D	A	B	C	M
BMT75-ID38.1-H60-105	38.1	135	112	105	60
BMT75-ID38.1-H90-135	38.1	135	112	135	90
BMT75-ID50.8-H90-135	50.8	165	112	135	90
BMT75-ID50.8-H110-155	50.8	165	112	155	110
BMT75-ID50.8-H125-170	50.8	165	112	170	125
BMT75-ID60-H60-105	60	165	112	105	60
BMT75-ID63.5-H90-135	63.5	165	112	135	90
BMT75-ID63.5-H110-155	63.5	165	112	155	110
BMT75-ID63.5-H125-170	63.5	165	112	170	125
BMT85-ID50.8-H85-132	50.8	161.5	130	132	85
BMT85-ID63.5-H85-132	63.5	161.5	130	132	85
BMT85-ID76.2-H85-137	76.2	161.5	130	137	85
BMT85-ID50.8-H110-157	50.8	161.5	130	157	110
BMT85-ID63.5-H110-157	63.5	161.5	130	157	110
BMT85-ID76.2-H110-162	76.2	161.5	130	162	110

TOOL HOLDER ACCESSORY

ACCESSORY

附件

Morse Taper ER Collet Chuck.....	M.04
莫氏柄ER刀柄.....	M.04
Morse Taper OZ Collet Chuck.....	M.06
莫氏柄OZ刀柄	M.06
Morse Taper Face Mill Holder	M.07
莫氏柄面铣刀柄.....	M.07
Morse Taper Combi Shell Mill Holder	M.08
莫氏柄混合插入式铣刀柄	M.08
Morse Taper Tapping Chuck	M.08
莫氏柄攻丝刀柄	M.08
ER Collet Chuck with Mini Nut.....	M.09
ER 弹簧夹头刀柄	M.09
Straight Shank Tapping Chuck	M.12
弹性快换攻丝刀柄.....	M.12
ER Collet	M.13
ER 筒夹	M.13
ER Collet Set	M.18
ER 筒夹套装	M.18
ER Sealed Collet	M.19
ER 止水筒夹.....	M.19
ER Tapping Collet	M.23
ER 攻丝筒夹.....	M.23
ER Tapping Sealed Collet	M.24
ER 止水攻丝筒夹.....	M.24
Straight Shank Collet	M.25
SC 直柄筒夹	M.25
OZ Collet	M.26
OZ 筒夹	M.26
SKS Collet.....	M.28
SKS 筒夹.....	M.28
DC Collet.....	M.30
DC 后拉筒夹.....	M.30
Tapping Collet.....	M.32
攻丝筒夹.....	M.32
BT Pull Stud.....	M.36
BT 拉钉.....	M.36
SK Pull Stud	M.37
SK 拉钉	M.37
ISO 7388 Pull Stud	M.37
ISO 7388拉钉	M.37
CAT Pull Stud	M.38
CAT 拉钉	M.38
OTT Pull Stud	M.38
OTT 拉钉	M.38
ISO Pull Stud	M.39
ISO 拉钉	M.39
Mazak Pull Stud	M.39
马扎克拉钉	M.39



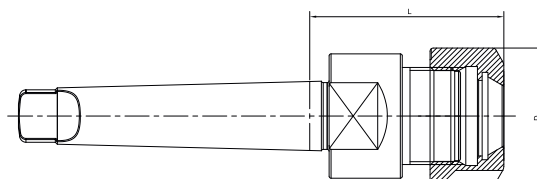
ACCESSORY 附件

ER Nut	M.40
ER 压帽	M.40
ER Sealed Nut	M.42
ERS 止水压帽	M.42
Sealing Disc	M.42
止水垫圈	M.42
OZ Nut	M.43
OZ 压帽	M.43
SKS Nut	M.43
SKS 压帽	M.43
ER Spanner	M.44
ER 扳手	M.44
Hook Spanner	M.46
勾头扳手	M.46
Ball Spanner	M.46
滚珠扳手	M.46
Boring Bar Sleeve	M.47
车床刀套（公制）	M.47
B Bushing	M.48
车床刀套B型	M.48
J Bushing	M.49
车床刀套J型	M.49
C Bushing	M.51
车床刀套C型	M.51
CV Bushing	M.53
车床刀套CV型	M.53
DD Bushing	M.54
车床刀套DD型	M.54
Z Bushing	M.55
车床刀套Z型	M.55
Locking Device.....	M.58
锁刀座	M.58
HSK Coolant Tube	M.59
HSK 冷却导管	M.59
Balluff Data Carrier.....	M.59
巴鲁夫数据芯片	M.59
Clamping Kit	M.60
组合压板	M.60
Tool Holder Trolley	M.61
刀具车	M.61
Tool Holder Cleaning Device.....	M.64
除锈机	M.64



ER Collet Chuck with UM Nut

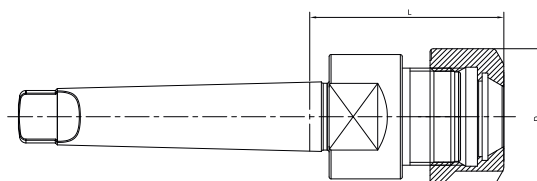
ER 弹簧夹头刀柄



Size	D	L	Capacity
MTA2-ER25-60	42	60	2-16
MTA2-ER32-60	50	60	2-20
MTA3-ER25-60	42	60	2-16
MTA3-ER32-70	50	70	2-20
MTA3-ER40-80	63	80	3-26
MTA4-ER25-60	42	60	2-16
MTA4-ER32-70	50	70	2-20
MTA4-ER40-80	63	80	3-26
MTA5-ER40-80	63	80	3-26

ER Collet Chuck with Mini Nut

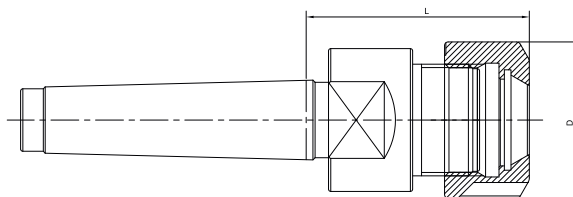
ER 弹簧夹头刀柄



Size	D	L	Capacity
MTA2-ER16M-50	22	50	1-10
MTA2-ER20M-50	28	50	1-13
MTA3-ER16M-60	22	60	1-10
MTA3-ER20M-60	28	60	1-13

ER Collet Chuck DIN6499

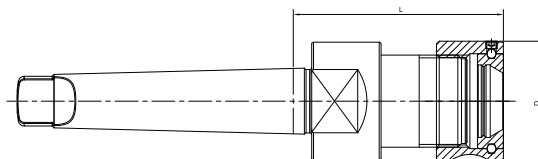
ER 弹簧夹头刀柄



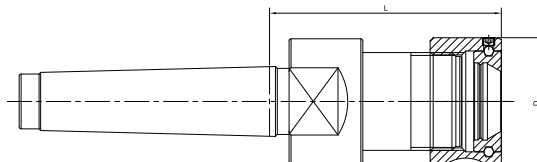
Size	D	L	Capacity
MTB1-ER11A-30	19	30	1-7
MTB1-ER16A-40	28	40	1-10
MTB2-ER16M-50	22	50	1-10
MTB2-ER20M-50	28	50	1-13
MTB2-ER11A-30	19	30	1-7
MTB2-ER16A-50	28	50	1-10
MTB2-ER20A-50	34	50	1-13
MTB2-ER25-47	42	47	2-16
MTB2-ER32-75	50	75	2-20
MTB2-ER40-80	63	80	3-26
MTB3-ER16M-60	22	60	1-10
MTB3-ER20M-50	28	50	1-13
MTB3-ER16A-50	28	50	1-10
MTB3-ER20A-50	36	50	1-13
MTB3-ER25-56	42	56	2-16
MTB3-ER32-60	50	60	2-20
MTB3-ER40-80	63	80	3-26
MTB4-ER25-60	42	60	2-16
MTB4-ER32-60	50	60	2-20
MTB4-ER40-80	63	80	3-26
MTB4-ER50-80	78	80	6-34
MTB5-ER40-80	63	80	3-26
MTB5-ER50-80	78	80	6-34

OZ Collet Chuck DIN6391

OZ 夹头刀柄



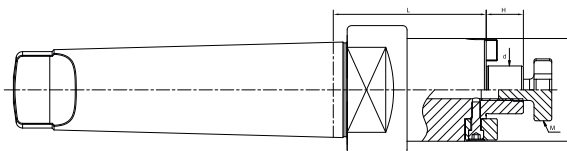
Size	D	L	Capacity
MTA2-OZ25-70	60	70	3-25
MTA3-OZ25-70	60	70	3-25
MTA4-OZ25-70	60	70	3-25



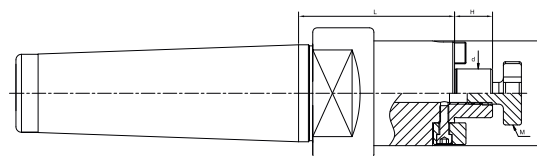
Size	D	L	Capacity
MTB2-OZ25-70	60	70	3-25
MTB3-OZ25-70	60	70	3-25
MTB4-OZ25-70	60	70	3-25
MTB4-OZ32-80	72	80	6-32
MTB5-OZ25-75	60	75	3-25
MTB5-OZ32-80	72	80	6-32

Face Mill Holder DIN6357

面铣刀柄



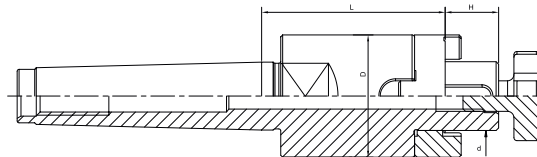
Size	d	D	L	H	M
MTA2-FMB16-30	16	38	30	17	M8
MTA2-FMB22-30	22	48	30	19	M10
MTA2-FMB27-30	27	58	30	21	M12
MTA3-FMB16-30	16	38	30	17	M8
MTA3-FMB22-30	22	48	30	19	M10
MTA3-FMB27-30	27	58	30	21	M12
MTA3-FMB32-30	32	78	30	24	M16
MTA4-FMB16-32	16	38	32	17	M8
MTA4-FMB22-32	22	48	32	19	M10
MTA4-FMB27-32	27	58	32	21	M12
MTA4-FMB32-32	32	78	32	24	M16
MTA4-FMB40-32	40	88	32	27	M20



Size	d	D	L	H	M
MTB3-FMB16-48	16	38	48	17	M8
MTB3-FMB22-48	22	48	48	19	M10
MTB3-FMB27-48	27	58	48	21	M12
MTB3-FMB32-48	32	78	48	24	M16
MTB3-FMB40-48	40	88	48	27	M20
MTB4-FMB22-55	22	48	55	19	M10
MTB4-FMB27-55	27	58	55	21	M12
MTB4-FMB32-55	32	78	55	24	M16
MTB4-FMB40-55	40	88	55	27	M20

Combi Shell Mill Holder DIN6358

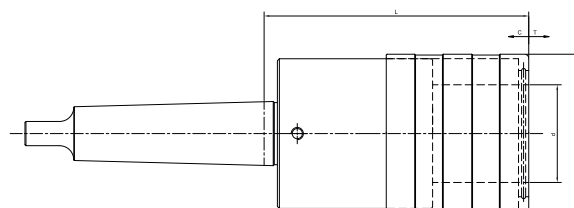
混合插入式铣刀柄



Size	d	D	H	L
MTB2-SEMC16-48	16	32	17	48
MTB2-SEMC22-48	22	40	19	48
MTB2-SEMC27-55	27	48	21	55
MTB2-SEMC32-55	32	58	24	55
MTB3-SEMC16-48	16	32	17	48
MTB3-SEMC22-50	22	40	19	50
MTB3-SEMC27-55	27	48	21	55
MTB3-SEMC32-55	32	58	24	55
MTB4-SEMC16-55	16	32	17	55
MTB4-SEMC22-55	22	40	19	55
MTB4-SEMC27-55	27	48	21	55
MTB4-SEMC32-55	32	58	24	55

Quick Change Tapping Chuck with Length Compensation

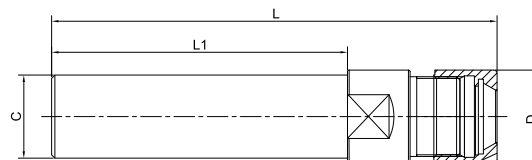
弹性快换攻丝刀柄



Size	D	d	L	T	C
MTA2-TC312-46	36	19	46	7.5	7.5
MTA3-TC312-46	36	19	46	7.5	7.5
MTA3-TC820-68	53	31	68	12.5	12.5
MTA4-TC820-70	35	31	70	12.5	12.5
MTA4-TC1433-108	78	48	108	22	22
MTA5-TC1433-103	78	48	103	22	22

ER Collet Chuck with Mini Nut DIN6499

ER 弹簧夹头刀柄



Metric

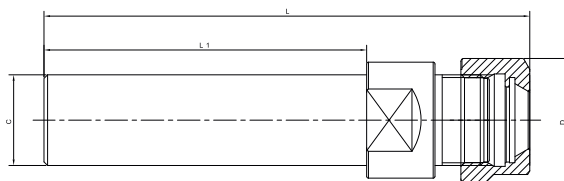
Size	C	D	L1	L
C8-ER8M-100	08	12	100	124.5
C10-ER8M-100	10	12	100	124.5
C10-ER8M-150	10	12	150	174.5
C12-ER11M-100	12	16	100	125
C16-ER11M-100	16	16	100	125
C16-ER11M-150	16	16	150	175
C16-ER16M-100	16	22	100	131
C16-ER16M-150	16	22	150	181
C20-ER16M-100	20	22	100	131
C20-ER16M-150	20	22	150	181
C20-ER20M-100	20	28	100	137
C20-ER20M-150	20	28	150	187
C25-ER16M-100	25	22	100	131
C25-ER16M-150	25	22	150	181
C25-ER20M-100	25	28	100	137
C25-ER20M-150	25	28	150	187

Inch

Size	C	D	L1	L
C1/2"-ER11M-4.0"	1/2"	16	4"	126.6
C1/2"-ER11M-6.0"	1/2"	16	6"	177.4
C1/2"-ER16M-4.0"	1/2"	22	4"	132.6
C1/2"-ER16M-6.0"	1/2"	22	6"	183.4

ER Collet Chuck with Hex Nut DIN6499

ER 弹簧夹头刀柄



Metric

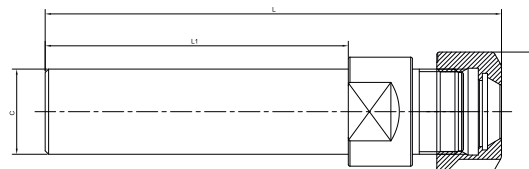
Size	C	D	L1	L
C10-ER8A-100	10	13.3	100	124.5
C10-ER11A-100	10	19	100	124
C12-ER8A-100	12	13.3	100	124.5
C12-ER11A-100	12	19	100	124
C16-ER11A-50	16	19	50	74
C16-ER11A-100	16	19	100	124
C16A-ER16A-100	16	28	100	131
C16A-ER16A-150	16	28	150	181
C20-ER16A-100	20	28	100	131
C20-ER16A-150	20	28	150	181
C20-ER20A-100	20	34	100	136.5
C20-ER20A-150	20	34	150	186.5
C25-ER16A-100	25	28	100	136.5
C25-ER16A-150	25	28	150	186.5
C25-ER20A-100	25	34	100	136.5
C25-ER20A-150	25	34	150	186.5

Inch

Size	C	D	L1	L
C1/2"-ER11A-3.5"	1/2"	19	3.5"	112.9
C1/2"-ER11A-6"	1/2"	19	6"	176.4
C3/4"-ER16A-4"	3/4"	28	4"	132.6
C3/4"-ER16A-6"	3/4"	28	6"	183.4
C3/4"-ER20A-4"	3/4"	34	4"	138.6
C3/4"-ER20A-6"	3/4"	34	6"	189.4

ER Collet Chuck with UM Nut DIN6499

ER 弹簧夹头刀柄



Metric

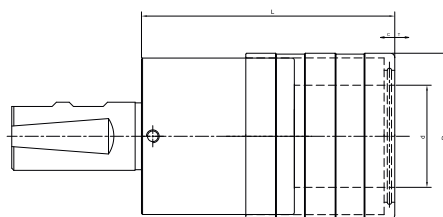
Size	C	D	L1	L
C20-ER25UM-100	20	42	100	144
C25-ER25UM-100	25	42	100	144
C25-ER25UM-150	25	42	150	194
C25-ER25UM-200	25	42	200	244
C25-ER32UM-100	25	50	100	148
C32-ER25UM-100	32	42	100	144
C32-ER25UM-150	32	42	150	194
C32-ER32UM-100	32	50	100	148
C32-ER32UM-150	32	50	150	198
C32-ER32UM-200	32	50	200	248
C32-ER40UM-100	32	63	100	151
C40-ER32UM-100	40	50	100	148
C40-ER40UM-100	40	63	100	151
C40-ER40UM-150	40	63	150	201

Inch

Size	C	D	L1	L
C3/4"-ER25-4"	3/4"	42	4"	145.6
C1"-ER25-6"	1"	42	6"	196.4
C1"-ER32-4"	1"	50	4"	149.6
C1-1/4"-ER32-6"	1-1/4"	50	6"	200.4

Quick Change Tapping Chuck with Length Compensation

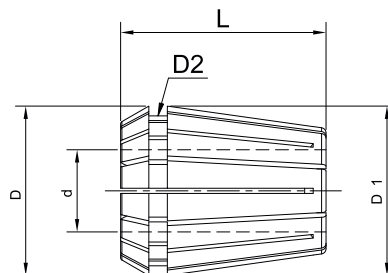
弹性快换攻丝刀柄



Size	L	D	d	T	C
SLAB20-TC312-41	41	36	19	7.5	7.5
SLAB25-TC312-41	41	36	19	7.5	7.5
SLAB25-TC820-63	63	53	31	12.5	12.5
SLAB32-TC312-41	41	36	19	7.5	7.5
SLAB32-TC820-63	63	53	31	12.5	12.5
SLAB32-TC1433-97	97	78	48	22	22
SLAB40-TC312-41	41	36	19	7.5	7.5
SLAB40-TC820-63	63	53	31	12.5	12.5
SLAB40-TC1433-97	97	78	48	22	22

ER Collet

ER 弹簧夹头



Metric

Size	d	D1	D	D2	L
ER8-01	1-0.5	8	8.45	6.5	13.5
ER8-01.5	1.5-1	8	8.45	6.5	13.5
ER8-02	2-1.5	8	8.45	6.5	13.5
ER8-02.5	2.5-2	8	8.45	6.5	13.5
ER8-03	3-2.5	8	8.45	6.5	13.5
ER8-03.5	3.5-3	8	8.45	6.5	13.5
ER8-04	4-3.5	8	8.45	6.5	13.5
ER8-04.5	4.5-4	8	8.45	6.5	13.5
ER8-05	5-4.5	8	8.45	6.5	13.5

ER11-01	1-0.5	11	11.5	9.5	18
ER11-01.5	1.5-1	11	11.5	9.5	18
ER11-02	2-1.5	11	11.5	9.5	18
ER11-02.5	2.5-2	11	11.5	9.5	18
ER11-03	3-2.5	11	11.5	9.5	18
ER11-03.5	3.5-3	11	11.5	9.5	18
ER11-04	4-3.5	11	11.5	9.5	18
ER11-04.5	4.5-4	11	11.5	9.5	18
ER11-05	5-4.5	11	11.5	9.5	18
ER11-05.5	5.5-5	11	11.5	9.5	18
ER11-06	6-5.5	11	11.5	9.5	18
ER11-06.5	6.5-6	11	11.5	9.5	18
ER11-07	7-6.5	11	11.5	9.5	18

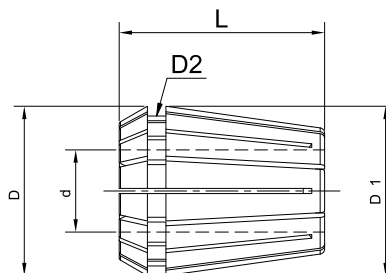
ER16-01	1-0.5	16	17	13.8	27.5
ER16-02	2-1	16	17	13.8	27.5
ER16-03	3-2	16	17	13.8	27.5
ER16-04	4-3	16	17	13.8	27.5
ER16-05	5-4	16	17	13.8	27.5
ER16-06	6-5	16	17	13.8	27.5
ER16-07	7-6	16	17	13.8	27.5
ER16-08	8-7	16	17	13.8	27.5
ER16-09	9-8	16	17	13.8	27.5
ER16-10	10-9	16	17	13.8	27.5

ER20-01	1-0.5	20	21	17.4	31.5
ER20-02	2-1	20	21	17.4	31.5
ER20-03	3-2	20	21	17.4	31.5
ER20-04	4-3	20	21	17.4	31.5
ER20-05	5-4	20	21	17.4	31.5
ER20-06	6-5	20	21	17.4	31.5
ER20-07	7-6	20	21	17.4	31.5
ER20-08	8-7	20	21	17.4	31.5
ER20-09	9-8	20	21	17.4	31.5
ER20-10	10-9	20	21	17.4	31.5
ER20-11	11-10	20	21	17.4	31.5
ER20-12	12-11	20	21	17.4	31.5
ER20-13	13-12	20	21	17.4	31.5

ER25-01	1-0.5	25	26	22	34
ER25-02	2-1	25	26	22	34
ER25-03	3-2	25	26	22	34
ER25-04	4-3	25	26	22	34
ER25-05	5-4	25	26	22	34
ER25-06	6-5	25	26	22	34
ER25-07	7-6	25	26	22	34
ER25-08	8-7	25	26	22	34
ER25-09	9-8	25	26	22	34
ER25-10	10-9	25	26	22	34
ER25-11	11-10	25	26	22	34
ER25-12	12-11	25	26	22	34
ER25-13	13-12	25	26	22	34
ER25-14	14-13	25	26	22	34
ER25-15	15-14	25	26	22	34
ER25-16	16-15	25	26	22	34

ER Collet

ER 弹簧夹头



Metric

Size	d	D1	D	D2	L
ER32-02	2-1	32	33	29.2	40
ER32-03	3-2	32	33	29.2	40
ER32-04	4-3	32	33	29.2	40
ER32-05	5-4	32	33	29.2	40
ER32-06	6-5	32	33	29.2	40
ER32-07	7-6	32	33	29.2	40
ER32-08	8-7	32	33	29.2	40
ER32-09	9-8	32	33	29.2	40
ER32-10	10-9	32	33	29.2	40
ER32-11	11-10	32	33	29.2	40
ER32-12	12-11	32	33	29.2	40
ER32-13	13-12	32	33	29.2	40
ER32-14	14-13	32	33	29.2	40
ER32-15	15-14	32	33	29.2	40
ER32-16	16-15	32	33	29.2	40
ER32-17	17-16	32	33	29.2	40
ER32-18	18-17	32	33	29.2	40
ER32-19	19-18	32	33	29.2	40
ER32-20	20-19	32	33	29.2	40

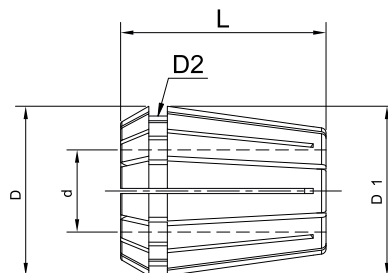
ER40-03	3-2	40	41	36.2	46
ER40-04	4-3	40	41	36.2	46
ER40-05	5-4	40	41	36.2	46
ER40-06	6-5	40	41	36.2	46
ER40-07	7-6	40	41	36.2	46
ER40-08	8-7	40	41	36.2	46
ER40-09	9-8	40	41	36.2	46
ER40-10	10-9	40	41	36.2	46
ER40-11	11-10	40	41	36.2	46
ER40-12	12-11	40	41	36.2	46
ER40-13	13-12	40	41	36.2	46

Size	d	D1	D	D2	L
ER40-14	14-13	41	40	36.2	46
ER40-15	15-14	41	40	36.2	46
ER40-16	16-15	41	40	36.2	46
ER40-17	17-16	41	40	36.2	46
ER40-18	18-17	41	40	36.2	46
ER40-19	19-18	41	40	36.2	46
ER40-20	20-19	41	40	36.2	46
ER40-21	21-20	41	40	36.2	46
ER40-22	22-21	41	40	36.2	46
ER40-23	23-22	41	40	36.2	46
ER40-24	24-23	41	40	36.2	46
ER40-25	25-24	41	40	36.2	46
ER40-26	26-25	41	40	36.2	46

ER50-06	6-4	52	50	46	60
ER50-08	8-6	52	50	46	60
ER50-10	10-8	52	50	46	60
ER50-12	12-10	52	50	46	60
ER50-14	14-12	52	50	46	60
ER50-16	16-14	52	50	46	60
ER50-18	18-16	52	50	46	60
ER50-20	20-18	52	50	46	60
ER50-22	22-20	52	50	46	60
ER50-24	24-22	52	50	46	60
ER50-26	26-24	52	50	46	60
ER50-28	28-26	52	50	46	60
ER50-30	30-28	52	50	46	60
ER50-32	32-30	52	50	46	60
ER50-34	34-32	52	50	46	60

ER Collet

ER 弹簧夹头



Metric

Size	d	D1	D	D2	L
ER11-3/64"	3/64	11	11.5	9.5	18
ER11-1/16"	1/16	11	11.5	9.5	18
ER11-5/64"	5/64	11	11.5	9.5	18
ER11-3/32"	3/32	11	11.5	9.5	18
ER11-7/64"	7/64	11	11.5	9.5	18
ER11-1/8"	1/8	11	11.5	9.5	18
ER11-9/64"	9/64	11	11.5	9.5	18
ER11-5/32"	5/32	11	11.5	9.5	18
ER11-11/64"	11/64	11	11.5	9.5	18
ER11-3/16"	3/16	11	11.5	9.5	18
ER11-13/64"	13/64	11	11.5	9.5	18
ER11-7/32"	7/32	11	11.5	9.5	18
ER11-15/64"	15/64	11	11.5	9.5	18
ER11-1/4"	1/4	11	11.5	9.5	18
ER11-17/64"	17/64	11	11.5	9.5	18

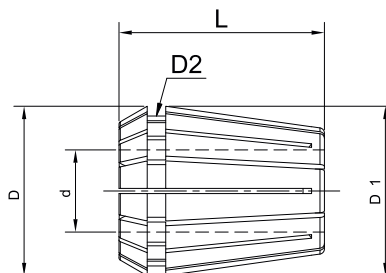
ER16-3/64"	3/64	16	17	13.8	27.5
ER16-1/16"	1/16	16	17	13.8	27.5
ER16-5/64"	5/64	16	17	13.8	27.5
ER16-3/32"	3/32	16	17	13.8	27.5
ER16-7/64"	7/64	16	17	13.8	27.5
ER16-1/8"	1/8	16	17	13.8	27.5
ER16-9/64"	9/64	16	17	13.8	27.5
ER16-5/32"	5/32	16	17	13.8	27.5
ER16-11/64"	11/64	16	17	13.8	27.5
ER16-3/16"	3/16	16	17	13.8	27.5
ER16-13/64"	13/64	16	17	13.8	27.5
ER16-7/32"	7/32	16	17	13.8	27.5
ER16-15/64"	15/64	16	17	13.8	27.5
ER16-1/4"	1/4	16	17	13.8	27.5
ER16-17/64"	17/64	16	17	13.8	27.5
ER16-9/32"	9/32	16	17	13.8	27.5
ER16-19/64"	19/64	16	17	13.8	27.5
ER16-5/16"	5/16	16	17	13.8	27.5
ER16-21/64"	21/64	16	17	13.8	27.5

Size	d	D1	D	D2	L
ER16-11/32"	11/32	16	17	13.8	27.5
ER16-23/64"	23/64	16	17	13.8	27.5
ER16-3/8"	3/8	16	17	13.8	27.5

ER20-3/64"	3/64	20	21	17.4	31.5
ER20-1/16"	1/16	20	21	17.4	31.5
ER20-5/64"	5/64	20	21	17.4	31.5
ER20-3/32"	3/32	20	21	17.4	31.5
ER20-7/64"	7/64	20	21	17.4	31.5
ER20-1/8"	1/8	20	21	17.4	31.5
ER20-9/64"	9/64	20	21	17.4	31.5
ER20-5/32"	5/32	20	21	17.4	31.5
ER20-11/64"	11/64	20	21	17.4	31.5
ER20-3/16"	3/16	20	21	17.4	31.5
ER20-13/64"	13/64	20	21	17.4	31.5
ER20-7/32"	7/32	20	21	17.4	31.5
ER20-15/64"	15/64	20	21	17.4	31.5
ER20-1/4"	1/4	20	21	17.4	31.5
ER20-17/64"	17/64	20	21	17.4	31.5
ER20-9/32"	9/32	20	21	17.4	31.5
ER20-19/64"	19/64	20	21	17.4	31.5
ER20-5/16"	5/16	20	21	17.4	31.5
ER20-21/64"	21/64	20	21	17.4	31.5
ER20-11/32"	11/32	20	21	17.4	31.5
ER20-23/64"	23/64	20	21	17.4	31.5
ER20-3/8"	3/8	20	21	17.4	31.5
ER20-25/64"	25/64	20	21	17.4	31.5
ER20-13/32"	13/32	20	21	17.4	31.5
ER20-27/64"	27/64	20	21	17.4	31.5
ER20-7/16"	7/16	20	21	17.4	31.5
ER20-29/64"	29/64	20	21	17.4	31.5
ER20-15/32"	15/32	20	21	17.4	31.5
ER20-31/64"	31/64	20	21	17.4	31.5
ER20-1/2"	1/2	20	21	17.4	31.5
ER20-33/64"	33/64	20	21	17.4	31.5

ER Collet

ER 弹簧夹头



Metric

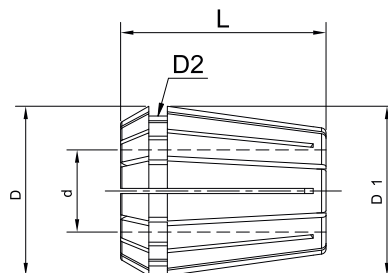
Size	d	D1	D	D2	L
ER25-3/64"	3/64	25	26	22	34
ER25-1/16"	1/16	25	26	22	34
ER25-5/64"	5/64	25	26	22	34
ER25-3/32"	3/32	25	26	22	34
ER25-7/64"	7/64	25	26	22	34
ER25-1/8"	1/8	25	26	22	34
ER25-9/64"	9/64	25	26	22	34
ER25-5/32"	5/32	25	26	22	34
ER25-11/64"	11/64	25	26	22	34
ER25-3/16"	3/16	25	26	22	34
ER25-13/64"	13/64	25	26	22	34
ER25-7/32"	7/32	25	26	22	34
ER25-15/64"	15/64	25	26	22	34
ER25-1/4"	1/4	25	26	22	34
ER25-17/64"	17/64	25	26	22	34
ER25-9/32"	9/32	25	26	22	34
ER25-19/64"	19/64	25	26	22	34
ER25-5/16"	5/16	25	26	22	34
ER25-21/64"	21/64	25	26	22	34
ER25-11/32"	11/32	25	26	22	34
ER25-23/64"	23/64	25	26	22	34
ER25-3/8"	3/8	25	26	22	34
ER25-25/64"	25/64	25	26	22	34
ER25-13/32"	13/32	25	26	22	34
ER25-27/64"	27/64	25	26	22	34
ER25-7/16"	7/16	25	26	22	34
ER25-29/64"	29/64	25	26	22	34
ER25-15/32"	15/32	25	26	22	34
ER25-31/64"	31/64	25	26	22	34
ER25-1/2"	1/2	25	26	22	34
ER25-33/64"	33/64	25	26	22	34
ER25-17/32"	17/32	25	26	22	34
ER25-35/64"	35/64	25	26	22	34
ER25-9/16"	9/16	25	26	22	34
ER25-37/64"	37/64	25	26	22	34

Size	d	D1	D	D2	L
ER25-19/32"	19/32	25	26	22	34
ER25-39/64"	39/64	25	26	22	34
ER25-5/8"	5/8	25	26	22	34

Size	d	D1	D	D2	L
ER32-1/16"	1/16	32	33	29.2	40
ER32-3/32"	3/32	32	33	29.2	40
ER32-1/8"	1/8	32	33	29.2	40
ER32-5/32"	5/32	32	33	29.2	40
ER32-3/16"	3/16	32	33	29.2	40
ER32-7/32"	7/32	32	33	29.2	40
ER32-1/4"	1/4	32	33	29.2	40
ER32-9/32"	9/32	32	33	29.2	40
ER32-5/16"	5/16	32	33	29.2	40
ER32-11/32"	11/32	32	33	29.2	40
ER32-3/8"	3/8	32	33	29.2	40
ER32-13/32"	13/32	32	33	29.2	40
ER32-7/16"	7/16	32	33	29.2	40
ER32-15/32"	15/32	32	33	29.2	40
ER32-1/2"	1/2	32	33	29.2	40
ER32-17/32"	17/32	32	33	29.2	40
ER32-9/16"	9/16	32	33	29.2	40
ER32-19/32"	19/32	32	33	29.2	40
ER32-5/8"	5/8	32	33	29.2	40
ER32-21/32"	21/32	32	33	29.2	40
ER32-11/16"	11/16	32	33	29.2	40
ER32-23/32"	23/32	32	33	29.2	40
ER32-3/4"	3/4	32	33	29.2	40
ER32-25/32"	25/32	32	33	29.2	40

ER Collet

ER 弹簧夹头



Metric

Size	d	D1	D	D2	L
ER40-1/8"	1/8	40	41	36.2	46
ER40-5/32"	5/32	40	41	36.2	46
ER40-3/16"	3/16	40	41	36.2	46
ER40-7/32"	7/32	40	41	36.2	46
ER40-1/4"	1/4	40	41	36.2	46
ER40-9/32"	9/32	40	41	36.2	46
ER40-5/16"	5/16	40	41	36.2	46
ER40-11/32"	11/32	40	41	36.2	46
ER40-3/8"	3/8	40	41	36.2	46
ER40-13/32"	13/32	40	41	36.2	46
ER40-7/16"	7/16	40	41	36.2	46
ER40-15/32"	15/32	40	41	36.2	46
ER40-1/2"	1/2	40	41	36.2	46
ER40-17/32"	17/32	40	41	36.2	46
ER40-9/16"	9/16	40	41	36.2	46
ER40-19/32"	19/32	40	41	36.2	46
ER40-5/8"	5/8	40	41	36.2	46
ER40-21/32"	21/32	40	41	36.2	46
ER40-11/16"	11/16	40	41	36.2	46
ER40-23/32"	23/32	40	41	36.2	46
ER40-3/4"	3/4	40	41	36.2	46
ER40-25/32"	25/32	40	41	36.2	46
ER40-13/16"	13/16	40	41	36.2	46
ER40-27/32"	27/32	40	41	36.2	46
ER40-7/8"	7/8	40	41	36.2	46
ER40-29/32"	29/32	40	41	36.2	46
ER40-15/16"	15/16	40	41	36.2	46
ER40-31/32"	31/32	40	41	36.2	46

Size	d	D1	D	D2	L
ER50-1/4"	1/4	50	52	46	60
ER50-9/32"	9/32	50	52	46	60
ER50-5/16"	5/16	50	52	46	60
ER50-11/32"	11/32	50	52	46	60
ER50-3/8"	3/8	50	52	46	60
ER50-13/32"	13/32	50	52	46	60
ER50-7/16"	7/16	50	52	46	60
ER50-15/32"	15/32	50	52	46	60
ER50-1/2"	1/2	50	52	46	60
ER50-17/32"	17/32	50	52	46	60
ER50-9/16"	9/16	50	52	46	60
ER50-19/32"	19/32	50	52	46	60
ER50-5/8"	5/8	50	52	46	60
ER50-21/32"	21/32	50	52	46	60
ER50-11/16"	11/16	50	52	46	60
ER50-23/32"	23/32	50	52	46	60
ER50-3/4"	3/4	50	52	46	60
ER50-25/32"	25/32	50	52	46	60
ER50-13/16"	13/16	50	52	46	60
ER50-27/32"	27/32	50	52	46	60
ER50-7/8"	7/8	50	52	46	60
ER50-29/32"	29/32	50	52	46	60
ER50-15/16"	15/16	50	52	46	60
ER50-31/32"	31/32	50	52	46	60
ER50-1"	1"	50	52	46	60
ER50-1-1/32"	1-1/32	50	52	46	60
ER50-1-1/16"	1-1/16	50	52	46	60
ER50-1-3/32"	1-3/32	50	52	46	60
ER50-1-1/8"	1-1/8	50	52	46	60
ER50-1-5/32"	1-5/32	50	52	46	60
ER50-1-3/16"	1-3/16	50	52	46	60
ER50-1-7/32"	1-7/32	50	52	46	60
ER50-1-1/4"	1-1/4	50	52	46	60
ER50-1-9/32"	1-9/32	50	52	46	60
ER50-1-5/16"	1-5/16	50	52	46	60

ER Collet Set

ER 筒夹套装



Metric

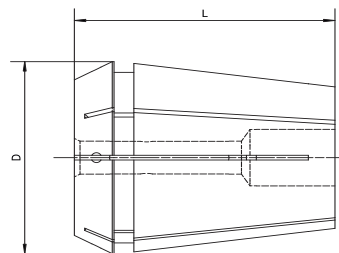
Size	Collet Diameter	PCS/SET
ER8-9 PCS	1,1.5,2,2.5,3,3.5,4,4.5,5	9
ER8-5 PCS	1,2,3,4,5	5
ER11-7 PCS	1,2,3,4,5,6,7	7
ER11-13 PCS	1,1.5,2,2.5,3,3.5,4,4.5,5,5.5,6,6.5,7	13
ER16-10 PCS	1,2,3,4,5,6,7,8,9,10	10
ER20-13 PCS	1,2,3,4,5,6,7,8,9,10,11,12,13	13
ER25-15 PCS	2,3,4,5,6,7,8,9,10,11,12,13,14,15,16	15
ER32-18 PCS	3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20	18
ER40-23 PCS	4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26	23

Inch

Size	Collet Diameter	PCS/SET
ER8-6 PCS (inch)	1/32, 1/16, 3/32, 1/8, 5/32, 3/16	6
ER16-8 PCS (inch)	1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 11/32, 3/8	8
ER20-11 PCS (inch)	1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	11
ER25-9 PCS (inch)	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	9
ER32-18 PCS (inch)	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, 9/16, 5/8, 11/16, 23/32, 3/4"	18
ER40-23 PCS (inch)	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, 9/16, 5/8, 11/16, 23/32, 3/4, 13/16, 27/32, 7/8, 29/32, 1	23

Rubber Sealed Collet

ER 胶条止水筒夹



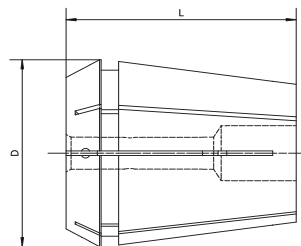
Size	D	L	Diameter
ERS16-03	16.74	27.5	3
ERS16-04	16.74	27.5	4
ERS16-05	16.74	27.5	5
ERS16-06	16.74	27.5	6
ERS16-07	16.74	27.5	7
ERS16-08	16.74	27.5	8
ERS16-09	16.74	27.5	9
ERS16-10	16.74	27.5	10

ERS20-03	20.74	31.5	3
ERS20-04	20.74	31.5	4
ERS20-05	20.74	31.5	5
ERS20-06	20.74	31.5	6
ERS20-07	20.74	31.5	7
ERS20-08	20.74	31.5	8
ERS20-09	20.74	31.5	9
ERS20-10	20.74	31.5	10
ERS20-11	20.74	31.5	11
ERS20-12	20.74	31.5	12
ERS20-13	20.74	31.5	13

Size	D	L	Diameter
ERS25-03	25.74	34	3
ERS25-04	25.74	34	4
ERS25-05	25.74	34	5
ERS25-06	25.74	34	6
ERS25-07	25.74	34	7
ERS25-08	25.74	34	8
ERS25-09	25.74	34	9
ERS25-10	25.74	34	10
ERS25-11	25.74	34	11
ERS25-12	25.74	34	12
ERS25-13	25.74	34	13
ERS25-14	25.74	34	14
ERS25-15	25.74	34	15
ERS25-16	25.74	34	16

Rubber Sealed Collet

ER 胶条止水筒夹

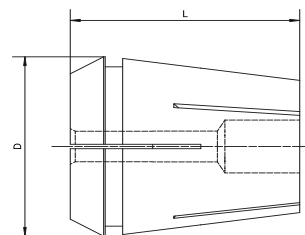


Size	D	L	Diameter
ERS32-03	32.74	40	3
ERS32-04	32.74	40	4
ERS32-05	32.74	40	5
ERS32-06	32.74	40	6
ERS32-07	32.74	40	7
ERS32-08	32.74	40	8
ERS32-09	32.74	40	9
ERS32-10	32.74	40	10
ERS32-11	32.74	40	11
ERS32-12	32.74	40	12
ERS32-13	32.74	40	13
ERS32-14	32.74	40	14
ERS32-15	32.74	40	15
ERS32-16	32.74	40	16
ERS32-17	32.74	40	17
ERS32-18	32.74	40	18
ERS32-19	32.74	40	19
ERS32-20	32.74	40	20

Size	D	L	Diameter
ERS40-04	40.74	46	4
ERS40-05	40.74	46	5
ERS40-06	40.74	46	6
ERS40-07	40.74	46	7
ERS40-08	40.74	46	8
ERS40-09	40.74	46	9
ERS40-10	40.74	46	10
ERS40-11	40.74	46	11
ERS40-12	40.74	46	12
ERS40-13	40.74	46	13
ERS40-14	40.74	46	14
ERS40-15	40.74	46	15
ERS40-16	40.74	46	16
ERS40-17	40.74	46	17
ERS40-18	40.74	46	18
ERS40-19	40.74	46	19
ERS40-20	40.74	46	20
ERS40-21	40.74	46	21
ERS40-22	40.74	46	22
ERS40-23	40.74	46	23
ERS40-24	40.74	46	24
ERS40-25	40.74	46	25
ERS40-26	40.74	46	26

ER Sealed Collet

ER 刚性止水筒夹



Size	D	L	Diameter
ER11SS-03	11.3	18	3
ER11SS-03.5	11.3	18	3.5
ER11SS-04	11.3	18	4
ER11SS-04.5	11.3	18	4.5
ER11SS-05	11.3	18	5
ER11SS-05.5	11.3	18	5.5
ER11SS-06	11.3	18	6
ER11SS-06.5	11.3	18	6.5
ER11SS-07	11.3	18	7

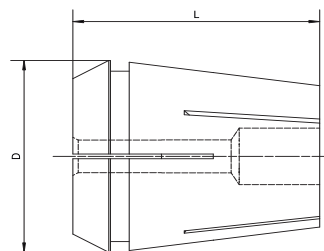
ER16SS-03	16.74	27.5	3
ER16SS-04	16.74	27.5	4
ER16SS-05	16.74	27.5	5
ER16SS-06	16.74	27.5	6
ER16SS-07	16.74	27.5	7
ER16SS-08	16.74	27.5	8
ER16SS-09	16.74	27.5	9
ER16SS-10	16.74	27.5	10

ER20SS-03	20.74	31.5	3
ER20SS-04	20.74	31.5	4
ER20SS-05	20.74	31.5	5
ER20SS-06	20.74	31.5	6
ER20SS-07	20.74	31.5	7
ER20SS-08	20.74	31.5	8
ER20SS-09	20.74	31.5	9
ER20SS-10	20.74	31.5	10
ER20SS-11	20.74	31.5	11
ER20SS-12	20.74	31.5	12
ER20SS-13	20.74	31.5	13

Size	D	L	Diameter
ER25SS-03	25.74	34	3
ER25SS-04	25.74	34	4
ER25SS-05	25.74	34	5
ER25SS-06	25.74	34	6
ER25SS-07	25.74	34	7
ER25SS-08	25.74	34	8
ER25SS-09	25.74	34	9
ER25SS-10	25.74	34	10
ER25SS-11	25.74	34	11
ER25SS-12	25.74	34	12
ER25SS-13	25.74	34	13
ER25SS-14	25.74	34	14
ER25SS-15	25.74	34	15
ER25SS-16	25.74	34	16

ER Sealed Collet

ER 刚性止水筒夹

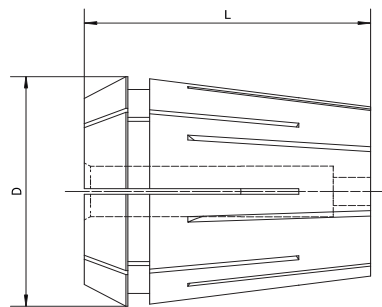


Size	D	L	Diameter
ER32SS-03	32.74	40	3
ER32SS-04	32.74	40	4
ER32SS-05	32.74	40	5
ER32SS-06	32.74	40	6
ER32SS-07	32.74	40	7
ER32SS-08	32.74	40	8
ER32SS-09	32.74	40	9
ER32SS-10	32.74	40	10
ER32SS-11	32.74	40	11
ER32SS-12	32.74	40	12
ER32SS-13	32.74	40	13
ER32SS-14	32.74	40	14
ER32SS-15	32.74	40	15
ER32SS-16	32.74	40	16
ER32SS-17	32.74	40	17
ER32SS-18	32.74	40	18
ER32SS-19	32.74	40	19
ER32SS-20	32.74	40	20

Size	D	L	Diameter
ER40SS-04	40.74	46	4
ER40SS-05	40.74	46	5
ER40SS-06	40.74	46	6
ER40SS-07	40.74	46	7
ER40SS-08	40.74	46	8
ER40SS-09	40.74	46	9
ER40SS-10	40.74	46	10
ER40SS-11	40.74	46	11
ER40SS-12	40.74	46	12
ER40SS-13	40.74	46	13
ER40SS-14	40.74	46	14
ER40SS-15	40.74	46	15
ER40SS-16	40.74	46	16
ER40SS-17	40.74	46	17
ER40SS-18	40.74	46	18
ER40SS-19	40.74	46	19
ER40SS-20	40.74	46	20
ER40SS-21	40.74	46	21
ER40SS-22	40.74	46	22
ER40SS-23	40.74	46	23
ER40SS-24	40.74	46	24
ER40SS-25	40.74	46	25
ER40SS-26	40.74	46	26

ER Tapping Collet

ER 攻丝筒夹



Size	D	L	Diameter
ER16G (3.5*2.7)	16.74	27.5	3.5*2.7
ER16G (4.0*3.0)	16.74	27.5	4.0*3.0
ER16G (4.5*3.4)	16.74	27.5	4.5*3.4
ER16G (5.5*4.3)	16.74	27.5	5.5*4.3
ER16G (6*4.9)	16.74	27.5	6*4.9
ER16G (7*5.5)	16.74	27.5	7*5.5
ER16G (8*6.2)	16.74	27.5	8*6.2

ER20G (3.5*2.7)	20.74	31.5	3.5*2.7
ER20G (4.0*3.0)	20.74	31.5	4.0*3.0
ER20G (4.5*3.4)	20.74	31.5	4.5*3.4
ER20G (5.5*4.3)	20.74	31.5	5.5*4.3
ER20G (6.0*4.9)	20.74	31.5	6.0*4.9
ER20G (7*5.5)	20.74	31.5	7*5.5
ER20G (8*6.2)	20.74	31.5	8*6.2
ER20G (9*7.0)	20.74	31.5	9*7.0
ER20G (10*8.0)	20.74	31.5	10*8.0

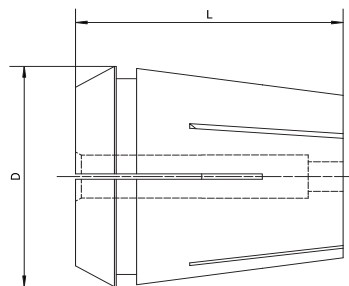
ER25G (3.5*2.7)	25.74	34	3.5*2.7
ER25G (4.0*3.0)	25.74	34	4.0*3.0
ER25G (4.5*3.4)	25.74	34	4.5*3.4
ER25G (5.5*4.3)	25.74	34	5.5*4.3
ER25G (6.0*4.9)	25.74	34	6.0*4.9
ER25G (7.0*5.5)	25.74	34	7.0*5.5
ER25G (8.0*6.2)	25.74	34	8.0*6.2
ER25G (9*7.0)	25.74	34	9*7.0
ER25G (10*8.0)	25.74	34	10*8.0
ER25G (11*9.0)	25.74	34	11*9.0
ER25G (12*9.0)	25.74	34	12*9.0
ER25G (14*11.0)	25.74	34	14*11.0
ER25G (16*12.0)	25.74	34	16*12.0

Size	D	L	Diameter
ER32G (3.5*2.7)	32.74	40	3.5*2.7
ER32G (4.0*3.0)	32.74	40	4.0*3.0
ER32G (4.5*3.4)	32.74	40	4.5*3.4
ER32G (5.5*4.3)	32.74	40	5.5*4.3
ER32G (6.0*4.9)	32.74	40	6.0*4.9
ER32G (7.0*5.5)	32.74	40	7.0*5.5
ER32G (8.0*6.2)	32.74	40	8.0*6.2
ER32G (9.0*7.0)	32.74	40	9.0*7.0
ER32G (10*8.0)	32.74	40	10*8.0
ER32G (11*9.0)	32.74	40	11*9.0
ER32G (12*9.0)	32.74	40	12*9.0
ER32G (14*11.0)	32.74	40	14*11.0
ER32G (16*12.0)	32.74	40	16*12.0
ER32G (18*14.5)	32.74	40	18*14.5
ER32G (20*16.0)	32.74	40	20*16.0

ER40G (3.5*2.7)	40.74	46	3.5*2.7
ER40G (4.0*3.0)	40.74	46	4.0*3.0
ER40G (4.5*3.4)	40.74	46	4.5*3.4
ER40G (5.5*4.3)	40.74	46	5.5*4.3
ER40G (6.0*4.9)	40.74	46	6.0*4.9
ER40G (7.0*5.5)	40.74	46	7.0*5.5
ER40G (8.0*6.2)	40.74	46	8.0*6.2
ER40G (9.0*7.0)	40.74	46	9.0*7.0
ER40G (10.0*8.0)	40.74	46	10.0*8.0
ER40G (11*9.0)	40.74	46	11*9.0
ER40G (12*9.0)	40.74	46	12*9.0
ER40G (14*11.0)	40.74	46	14*11.0
ER40G (16*12.0)	40.74	46	16*12.0
ER40G (18*14.5)	40.74	46	18*14.5
ER40G (20*16.0)	40.74	46	20*16.0
ER40G (22*18.0)	40.74	46	22*18.0
ER40G (25*20.0)	40.74	46	25*20.0

ER Tapping Sealed Collet

ER 止水攻丝筒夹



Size	D	L	Diameter
ERS16G (3.5*2.7)	16.74	27.5	3.5*2.7
ERS16G (4.0*3.0)	16.74	27.5	4.0*3.0
ERS16G (4.5*3.4)	16.74	27.5	4.5*3.4
ERS16G (5.5*4.3)	16.74	27.5	5.5*4.3
ERS16G (6*4.9)	16.74	27.5	6*4.9
ERS16G (7*5.5)	16.74	27.5	7*5.5
ERS16G (8*6.2)	16.74	27.5	8*6.2

ERS20G (3.5*2.7)	20.74	31.5	3.5*2.7
ERS20G (4.0*3.0)	20.74	31.5	4.0*3.0
ERS20G (4.5*3.4)	20.74	31.5	4.5*3.4
ERS20G (5.5*4.3)	20.74	31.5	5.5*4.3
ERS20G (6.0*4.9)	20.74	31.5	6.0*4.9
ERS20G (7*5.5)	20.74	31.5	7*5.5
ERS20G (8*6.2)	20.74	31.5	8*6.2
ERS20G (9*7.0)	20.74	31.5	9*7.0
ERS20G (10*8.0)	20.74	31.5	10*8.0

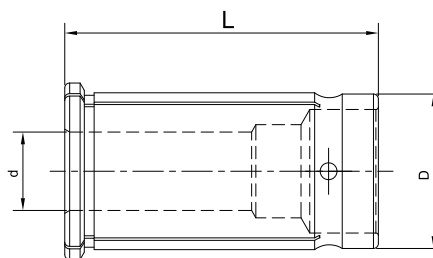
ERS25G (3.5*2.7)	25.74	34	3.5*2.7
ERS25G (4.0*3.0)	25.74	34	4.0*3.0
ERS25G (4.5*3.4)	25.74	34	4.5*3.4
ERS25G (5.5*4.3)	25.74	34	5.5*4.3
ERS25G (6.0*4.9)	25.74	34	6.0*4.9
ERS25G (7.0*5.5)	25.74	34	7.0*5.5
ERS25G (8.0*6.2)	25.74	34	8.0*6.2
ERS25G (9*7.0)	25.74	34	9*7.0
ERS25G (10*8.0)	25.74	34	10*8.0
ERS25G (11*9.0)	25.74	34	11*9.0
ERS25G (12*9.0)	25.74	34	12*9.0
ERS25G (14*11.0)	25.74	34	14*11.0
ERS25G (16*12.0)	25.74	34	16*12.0

Size	D	L	Diameter
ERS32G (3.5*2.7)	32.74	40	3.5*2.7
ERS32G (4.0*3.0)	32.74	40	4.0*3.0
ERS32G (4.5*3.4)	32.74	40	4.5*3.4
ERS32G (5.5*4.3)	32.74	40	5.5*4.3
ERS32G (6.0*4.9)	32.74	40	6.0*4.9
ERS32G (7.0*5.5)	32.74	40	7.0*5.5
ERS32G (8.0*6.2)	32.74	40	8.0*6.2
ERS32G (9.0*7.0)	32.74	40	9.0*7.0
ERS32G (10*8.0)	32.74	40	10*8.0
ERS32G (11*9.0)	32.74	40	11*9.0
ERS32G (12*9.0)	32.74	40	12*9.0
ERS32G (14*11.0)	32.74	40	14*11.0
ERS32G (16*12.0)	32.74	40	16*12.0
ERS32G (18*14.5)	32.74	40	18*14.5
ERS32G (20*16.0)	32.74	40	20*16.0

ERS40G (3.5*2.7)	40.74	46	3.5*2.7
ERS40G (4.0*3.0)	40.74	46	4.0*3.0
ERS40G (4.5*3.4)	40.74	46	4.5*3.4
ERS40G (5.5*4.3)	40.74	46	5.5*4.3
ERS40G (6.0*4.9)	40.74	46	6.0*4.9
ERS40G (7.0*5.5)	40.74	46	7.0*5.5
ERS40G (8.0*6.2)	40.74	46	8.0*6.2
ERS40G (9.0*7.0)	40.74	46	9.0*7.0
ERS40G (10.0*8.0)	40.74	46	10.0*8.0
ERS40G (11*9.0)	40.74	46	11*9.0
ERS40G (12*9.0)	40.74	46	12*9.0
ERS40G (14*11.0)	40.74	46	14*11.0
ERS40G (16*12.0)	40.74	46	16*12.0
ERS40G (18*14.5)	40.74	46	18*14.5
ERS40G (20*16.0)	40.74	46	20*16.0
ERS40G (22*18.0)	40.74	46	22*18.0
ERS40G (25*20.0)	40.74	46	25*20.0

Straight Shank Collet

SC 直柄筒夹



Metric

Size	d	D	L
SC16-03	3	16	45
SC16-04	4	16	45
SC16-05	5	16	45
SC16-06	6	16	45
SC16-08	8	16	45
SC16-10	10	16	45
SC16-12	12	16	45

SC20-03	3	20	50
SC20-04	4	20	50
SC20-05	5	20	50
SC20-06	6	20	50
SC20-08	8	20	50
SC20-10	10	20	50
SC20-12	12	20	50
SC20-14	14	20	50
SC20-16	16	20	50

SC25-03	3	25	60
SC25-04	4	25	60
SC25-05	5	25	60
SC25-06	6	25	60
SC25-08	8	25	60
SC25-10	10	25	60
SC25-12	12	25	60
SC25-14	14	25	60
SC25-16	16	25	60
SC25-18	18	25	60
SC25-20	20	25	60

Size	d	D	L
SC32-03	3	32	64
SC32-04	4	32	64
SC32-05	5	32	64
SC32-06	6	32	64
SC32-08	8	32	64
SC32-10	10	32	64
SC32-12	12	32	64
SC32-14	14	32	64

SC32-16	16	32	64
SC32-18	18	32	64
SC32-20	20	32	64
SC32-25	25	32	64

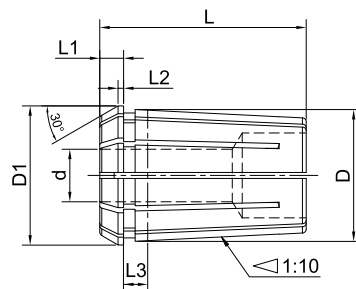
SC42-03	3	42	80
SC42-04	4	42	80
SC42-05	5	42	80
SC42-06	6	42	80

SC42-08	8	42	80
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SC42-10	10	42	80
SC42-12	12	42	80
SC42-14	14	42	80
SC42-16	16	42	80
SC42-18	18	42	80
SC42-20	20	42	80
SC42-22	22	42	80
SC42-24	24	42	80
SC42-25	25	42	80
SC42-28	28	42	80
SC42-30	30	42	80
SC42-32	32	42	80

OZ Collet

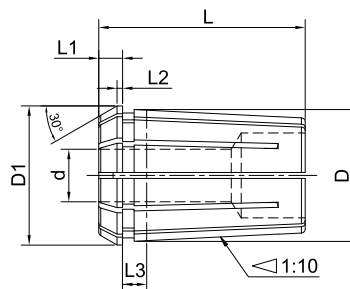
OZ 筒夹 B 型



Size	d	D	D1	L	L1	L2	L3
OZ25B-02	2	32.9	35.05	52	6	1.4	10
OZ25B-03	3	32.9	35.05	52	6	1.4	10
OZ25B-04	4	32.9	35.05	52	6	1.4	10
OZ25B-05	5	32.9	35.05	52	6	1.4	10
OZ25B-06	6	32.9	35.05	52	6	1.4	10
OZ25B-07	7	32.9	35.05	52	6	1.4	10
OZ25B-08	8	32.9	35.05	52	6	1.4	10
OZ25B-09	9	32.9	35.05	52	6	1.4	10
OZ25B-10	10	32.9	35.05	52	6	1.4	10
OZ25B-11	11	32.9	35.05	52	6	1.4	10
OZ25B-12	12	32.9	35.05	52	6	1.4	10
OZ25B-13	13	32.9	35.05	52	6	1.4	10
OZ25B-14	14	32.9	35.05	52	6	1.4	10
OZ25B-15	15	32.9	35.05	52	6	1.4	10
OZ25B-16	16	32.9	35.05	52	6	1.4	10
OZ25B-17	17	32.9	35.05	52	6	1.4	10
OZ25B-18	18	32.9	35.05	52	6	1.4	10
OZ25B-19	19	32.9	35.05	52	6	1.4	10
OZ25B-20	20	32.9	35.05	52	6	1.4	10
OZ25B-21	21	32.9	35.05	52	6	1.4	10
OZ25B-22	22	32.9	35.05	52	6	1.4	10
OZ25B-23	23	32.9	35.05	52	6	1.4	10
OZ25B-24	24	32.9	35.05	52	6	1.4	10
OZ25B-25	25	32.9	35.05	52	6	1.4	10

OZ Collet

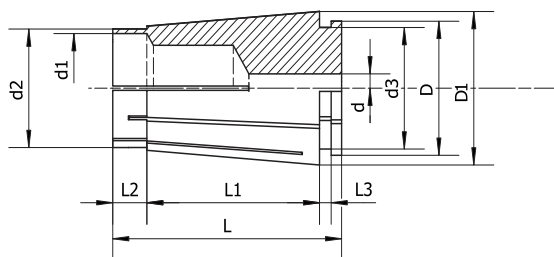
OZ 筒夹 B 型



Size	d	D	D1	L	L1	L2	L3
OZ32B-04	4	41.3	43.7	60	6	1.45	11
OZ32B-05	5	41.3	43.7	60	6	1.45	11
OZ32B-06	6	41.3	43.7	60	6	1.45	11
OZ32B-07	7	41.3	43.7	60	6	1.45	11
OZ32B-08	8	41.3	43.7	60	6	1.45	11
OZ32B-09	9	41.3	43.7	60	6	1.45	11
OZ32B-10	10	41.3	43.7	60	6	1.45	11
OZ32B-11	11	41.3	43.7	60	6	1.45	11
OZ32B-12	12	41.3	43.7	60	6	1.45	11
OZ32B-13	13	41.3	43.7	60	6	1.45	11
OZ32B-14	14	41.3	43.7	60	6	1.45	11
OZ32B-15	15	41.3	43.7	60	6	1.45	11
OZ32B-16	16	41.3	43.7	60	6	1.45	11
OZ32B-17	17	41.3	43.7	60	6	1.45	11
OZ32B-18	18	41.3	43.7	60	6	1.45	11
OZ32B-19	19	41.3	43.7	60	6	1.45	11
OZ32B-20	20	41.3	43.7	60	6	1.45	11
OZ32B-21	21	41.3	43.7	60	6	1.45	11
OZ32B-22	22	41.3	43.7	60	6	1.45	11
OZ32B-23	23	41.3	43.7	60	6	1.45	11
OZ32B-24	24	41.3	43.7	60	6	1.45	11
OZ32B-25	25	41.3	43.7	60	6	1.45	11
OZ32B-26	26	41.3	43.7	60	6	1.45	11
OZ32B-27	27	41.3	43.7	60	6	1.45	11
OZ32B-28	28	41.3	43.7	60	6	1.45	11
OZ32B-29	29	41.3	43.7	60	6	1.45	11
OZ32B-30	30	41.3	43.7	60	6	1.45	11
OZ32B-31	31	41.3	43.7	60	6	1.45	11
OZ32B-32	32	41.3	43.7	60	6	1.45	11

SKS Collet

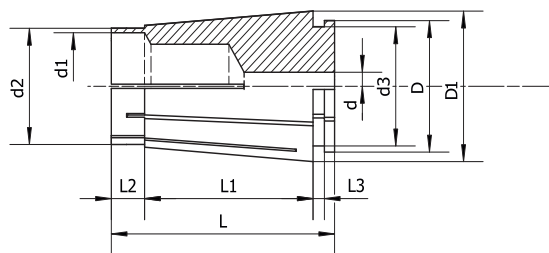
SKS 高速筒夹



Size	d	D	D1	d1	d2	d3	L	L1	L2	L3
SKS06-02	1.75-2.0	8.6	10.5	6	7.5	7.8	25	17.5	3.5	2.5
SKS06-03	2.8-3.0	8.6	10.5	6	7.5	7.8	25	17.5	3.5	2.5
SKS06-04	3.5-4.0	8.6	10.5	6	7.5	7.8	25	17.5	3.5	2.5
SKS06-05	4.5-5.0	8.6	10.5	6	7.5	7.8	25	17.5	3.5	2.5
SKS06-06	5.5-6.0	8.6	10.5	6	7.5	7.8	25	17.5	3.5	2.5
SKS10-02	1.75-2.0	13.1	15.5	10	12	12	30.5	22	5	2.3
SKS10-03	2.75-3.0	13.1	15.5	10	12	12	30.5	22	5	2.3
SKS10-04	3.5-4.0	13.1	15.5	10	12	12	30.5	22	5	2.3
SKS10-05	4.5-5.0	13.1	15.5	10	12	12	30.5	22	5	2.3
SKS10-06	5.5-6.0	13.1	15.5	10	12	12	30.5	22	5	2.3
SKS10-07	6.5-7.0	13.1	15.5	10	12	12	30.5	22	5	2.3
SKS10-08	7.5-8.0	13.1	15.5	10	12	12	30.5	22	5	2.3
SKS10-09	8.5-9.0	13.1	15.5	10	12	12	30.5	22	5	2.3
SKS10-10	9.5-10.0	13.1	15.5	10	12	12	30.5	22	5	2.3
SKS16-03	2.75-3.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-04	3.5-4.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-05	4.5-5.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-06	5.5-6.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-07	6.5-7.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-08	7.5-8.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-09	8.5-9.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-10	9.5-10.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-11	10.5-11.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-12	11.5-12.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-13	12.5-13.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-14	13.5-14.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-15	14.5-15.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8
SKS16-16	15.5-16.0	20.5	24.45	18.6	15.3	18.8	45.5	32	8	2.8

SKS Collet

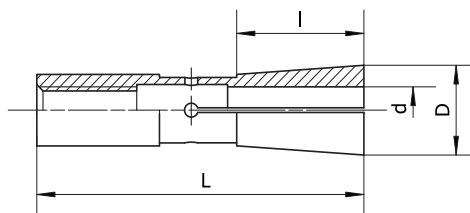
SKS 高速筒夹



Size	d	D	D1	d1	d2	d3	L	L1	L2	L3
SKS25-03	2.5-3.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-04	3.5-4.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-05	4.5-5.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-06	5.5-6.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-08	7.5-8.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-10	9.5-10.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-12	11.5-12.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-14	13.5-14.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-16	15.5-16.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-18	17.5-18.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-20	19.5-20.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-22	21.5-22.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-24	23.5-24.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9
SKS25-25	24.5-25.0	29.9	35.6	25.4	28.8	28.2	57	43	8.5	2.9

DC Collet

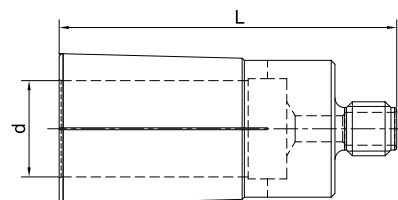
DC 后拉筒夹



Size	d	D	L	l	M
DC04-02	2	7	31	10	M5*0.8P
DC04-03	3	7	31	14	M5*0.8P
DC04-04	4	7	31	14	M5*0.8P
DC06-03	3	9.6	14	14	M5*0.8P
DC06-04	4	9.6	36	14	M5*0.8P
DC06-05	5	9.6	36	16	M5*0.8P
DC06-06	6	9.6	36	16	M5*0.8P
DC08-03	3	15	45	15	M5*0.8P
DC08-04	4	15	45	16	M5*0.8P
DC08-06	6	15	45	24	M5*0.8P
DC08-08	8	15	45	26	M5*0.8P
DC10-03	3	19	52	15	M5*0.8P
DC10-04	4	19	52	18	M5*0.8P
DC10-06	6	19	52	24	M8*1.25P
DC10-08	8	19	52	26	M8*1.25P
DC10-10	10	19	52	30	M8*1.25P
DC12-04	4	22	60	15	M8*1.25P
DC12-06	6	22	60	25	M8*1.25P
DC12-08	8	22	60	30	M8*1.25P
DC12-10	10	22	60	33	M8*1.25P
DC12-12	12	22	60	33	M8*1.25P

NDC Collet

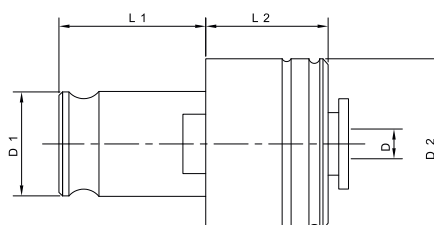
NDC 后拉筒夹



Size	d	L
NDC20D04C	04	66
NDC20D06C	06	66
NDC20D08C	08	48.5
NDC20D10C	10	48.5
NDC20D12C	12	48.5
NDC20D14C	14	48.5
NDC20D16C	16	48.5
NDC20D18C	18	48.5
NDC20D20C	20	48.5

Tapping Collet with Cluth

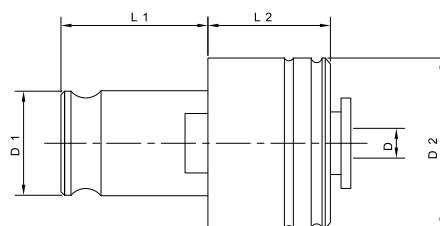
过载保护攻丝筒夹（公制）



Size	Collet	M	D	□	D1	D2	L1	L2
FES1 M2(2.80x2.1)	FES 1	M2	2.8	2.1	19	33	21.5	25
FES1 M3(3.5*2.7)	FES 1	M3	3.5	2.7	19	33	21.5	25
FES1 M3.5(4*3)	FES 1	M3.5	4	3	19	33	21.5	25
FES1 M4(5*4)	FES 1	M4	5	4	19	33	21.5	25
FES1 M4(4.5*3.4)	FES 1	M4	4.5	3.4	19	33	21.5	25
FES1 M5(6*4.9)	FES 1	M5	6	4.9	19	33	21.5	25
FES1 M6(6.3*5)	FES 1	M6	6.3	5	19	33	21.5	25
FES1 M6(6*4.9)	FES 1	M6	6	4.9	19	33	21.5	25
FES1 M8(8*6.3)	FES 1	M8	8	6.3	19	33	21.5	25
FES1 M10(10*8)	FES 1	M10	10	8	19	33	21.5	25
FES1 M10(7*5.5)	FES 1	M10	7	5.5	19	33	21.5	25
FES1 M12(9*7.1)	FES 1	M12	9	7.1	19	33	21.5	25
FES1 M12(9*7)	FES 1	M12	9	7	19	33	21.5	25
FES1 M14(11*9)	FES 1	M14	11	9	19	33	21.5	25

Tapping Collet with Cluth

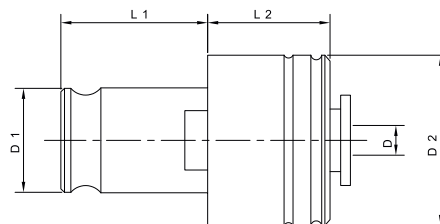
过载保护攻丝筒夹（公制）



Size	Collet	M	D	□	D1	D2	L1	L2
FES2 M5(6*4.9)	FES 2	M5	6	4.9	31	51	35	35
FES2 M6(6.3*5)	FES 2	M6	6.3	5	31	51	35	35
FES2 M6(6*4.9)	FES 2	M6	6	4.9	31	51	35	35
FES2 M8(8*6.3)	FES 2	M8	8	6.3	31	51	35	35
FES2 M10(10*8)	FES 2	M10	10	8	31	51	35	35
FES2 M10(7*5.5)	FES 2	M10	7	5.5	31	51	35	35
FES2 M12(9*7.1)	FES 2	M12	9	7.1	31	51	35	35
FES2 M12(9*7)	FES 2	M12	9	7	31	51	35	35
FES2 M14(11*9)	FES 2	M14	11	9	31	51	35	35
FES2 M16(12.5*10)	FES 2	M16	12.5	10	31	51	35	35
FES2 M16(12*9)	FES 2	M16	12	9	31	51	35	35
FES2 M18(14*11)	FES 2	M18	14	11	31	51	35	35
FES2 M20(16*12)	FES 2	M20	16	12	31	51	35	35
FES2 M22(18*14.5)	FES 2	M22	18	14.5	31	51	35	35
FES2 M24(18*14.5)	FES 2	M24	18	14.5	31	51	35	35
FES2 M24(16*12.5)	FES 2	M24	16	12.5	31	51	35	35
FES3 M14(11*9)	FES 3	M14	11	9	48	73	55.5	45
FES3 M16(12*9)	FES 3	M16	12	9	48	73	55.5	45
FES3 M18(14*11)	FES 3	M18	14	11	48	73	55.5	45
FES3 M20(16*12)	FES 3	M20	16	12	48	73	55.5	45
FES3 M22(18*14.5)	FES 3	M22	18	14.5	48	73	55.5	45
FES3 M24(18*14.5)	FES 3	M24	18	14.5	48	73	55.5	45
FES3 M27(20*16)	FES 3	M27	20	16	48	73	55.5	45
FES3 M30(22*18)	FES 3	M30	22	18	48	73	55.5	45
FES3 M33(25*20)	FES 3	M33	25	20	48	73	55.5	45
FES3 M36(28*22)	FES 3	M36	28	22	48	73	55.5	45

Tapping Collet with Cluth

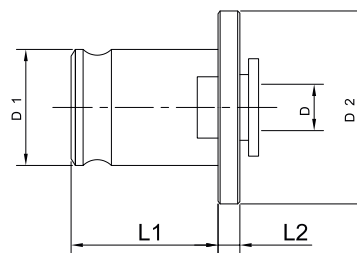
过载保护攻丝筒夹 (英制)



Size	Collet	ANSI	Metric	D	□	D1	D2	L1	L2
0-6" M1.6-M3.5	FES 1	0-6"	M1.6-M3.5	0.141	0.11	19	33	21.5	25
8, 5/32 M4	FES 1	8, 5/32	M4	0.168	0.131	19	33	21.5	25
10, 3/16" M4.5 M5	FES 1	10, 3/16"	M4.5 M5	0.194	0.152	19	33	21.5	25
12, 7/32"	FES 1	12, 7/32"		0.22	0.165	19	33	21.5	25
1/4" M6 M6.3	FES 1	1/4"	M6 M6.3	0.255	0.191	19	33	21.5	25
5/16" M7 M8	FES 1	5/16"	M7 M8	0.318	0.238	19	33	21.5	25
3/8" M10	FES 1	3/8"	M10	0.381	0.286	19	33	21.5	25
7/16" M11	FES 1	7/16"	M11	0.323	0.242	19	33	21.5	25
1/2" M12 M12.5	FES 1	1/2"	M12 M12.5	0.367	0.275	19	33	21.5	25
9/16" M14	FES 1	9/16"	M14	0.429	0.322	19	33	21.5	25
1/8" NPT	FES 1	1/8" NPT		0.437	0.328	19	33	21.5	25
5/16" M7 M8	FES 2	5/16"	M7 M8	0.318	0.238	31	51	35	35
3/8" M10	FES 2	3/8"	M10	0.381	0.286	31	51	35	35
7/16" M11	FES 2	7/16"	M11	0.323	0.242	31	51	35	35
1/2" M12 M12.5	FES 2	1/2"	M12 M12.5	0.367	0.275	31	51	35	35
9/16" M14	FES 2	9/16"	M14	0.429	0.322	31	51	35	35
5/8" M16	FES 2	5/8"	M16	0.48	0.36	31	51	35	35
11/16" M18	FES 2	11/16"	M18	0.542	0.406	31	51	35	35
3/4"	FES 2	3/4"		0.59	0.442	31	51	35	35
13/16" M20	FES 2	13/16"	M20	0.652	0.489	31	51	35	35
7/8" M22	FES 2	7/8"	M22	0.697	0.523	31	51	35	35
1/4" NPT	FES 2	1/4" NPT		0.562	0.421	31	51	35	35
3/8" NPT	FES 2	3/8" NPT		0.7	0.531	31	51	35	35
1/2" NPT	FES 2	1/2" NPT		0.687	0.515	31	51	35	35
13/16" M20	FES 3	13/16"	M20	0.652	0.489	48	73	55.5	45
7/8" M22	FES 3	7/8"	M22	0.697	0.523	48	73	55.5	45
15/16" M24	FES 3	15/16"	M24	0.76	0.57	48	73	55.5	45
1" M25	FES 3	1"	M25	0.8	0.6	48	73	55.5	45
1-1/8", 1-1/16" M27	FES 3	1-1/8", 1-1/16"	M27	0.896	0.672	48	73	55.5	45
1-1/4", 1-3/16 M30	FES 3	1-1/4", 1-3/16	M30	1.021	0.766	48	73	55.5	45
1-3/8", 1-5/16 M33	FES 3	1-3/8", 1-5/16	M33	1.108	0.831	48	73	55.5	45
1/2" NPT	FES 3	1/2" NPT		0.687	0.515	48	73	55.5	45
3/4" NPT	FES 3	3/4" NPT		0.906	0.678	48	73	55.5	45
1" NPT	FES 3	1" NPT		1.125	0.843	48	73	55.5	45

Tapping Collet without Cluth

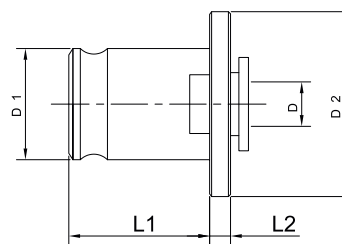
无过载保护攻丝筒夹（公制）



Size	Collet	M	D	□	D1	D2	L1	L2
FE1 M2(2.8*2.1)	FE 1	M2	2.8	2.1	19	30	21.5	7
FE1 M3(3.5*2.7)	FE 1	M3	3.5	2.7	19	30	21.5	7
FE1 M4(5*4)	FE 1	M4	5	4	19	30	21.5	7
FE1 M4(4.5*3.4)	FE 1	M4	4.5	3.4	19	30	21.5	7
FE1 M6(6*4.9)	FE 1	M6	6	4.9	19	30	21.5	7
FE1 M8(8*6.2)	FE 1	M8	8	6.2	19	30	21.5	7
FE1 M10(10*8)	FE 1	M10	10	8	19	30	21.5	7
FE1 M10(7*5.5)	FE 1	M10	7	5.5	19	30	21.5	7
FE1 M12(9*7)	FE 1	M12	9	7	19	30	21.5	7
FE2 M8(6*4.9)	FE 2	M8	6	4.9	31	48	35	11
FE2 M8(8*6.2)	FE 2	M8	8	6.2	31	48	35	11
FE2 M10(10*8)	FE 2	M10	10	8	31	48	35	11
FE2 M10(7*5.5)	FE 2	M10	7	5.5	31	48	35	11
FE2 M12(9*7.1)	FE 2	M12	9	7.1	31	48	35	11
FE2 M14(11*9)	FE 2	M14	11	9	31	48	35	11
FE2 M16(12*9)	FE 2	M16	12	9	31	48	35	11
FE2 M18(14*11)	FE 2	M18	14	11	31	48	35	11
FE2 M20(16*12)	FE 2	M20	16	12	31	48	35	11
FE3 M14(11*9)	FE 3	M14	11	9	48	70	55.5	13.5
FE3 M16(12*9)	FE 3	M16	12	9	48	70	55.5	13.5
FE3 M18(14*11)	FE 3	M18	14	11	48	70	55.5	13.5
FE3 M20(16*12)	FE 3	M20	16	12	48	70	55.5	13.5
FE3 M24(18*14.5)	FE 3	M24	18	14.5	48	70	55.5	13.5
FE3 M27(20*16)	FE 3	M27	20	16	48	70	55.5	13.5
FE3 M30(22*18)	FE 3	M30	22	18	48	70	55.5	13.5
FE3 M33(25*20)	FE 3	M33	25	20	48	70	55.5	13.5
FE3 M36(28*22)	FE 3	M36	28	22	48	70	55.5	13.5

Tapping Collet without Cluth

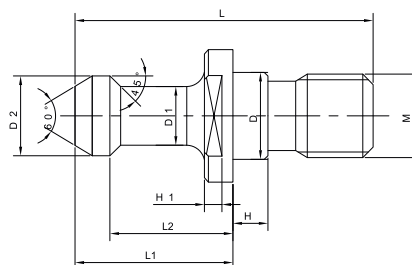
无过载保护攻丝筒夹（英制）



Size	Collet	ANSI	Metric	D	□	D1	D2	L1	L2
0-6" M1.6-M3.5	FE 1	0-6"	M1.6-M3.5	0.141	0.11	19	30	21.5	7
8, 5/32 M4	FE 1	8, 5/32	M4	0.168	0.131	19	30	21.5	7
10, 3/16" M4.5 M5	FE 1	10, 3/16"	M4.5 M5	0.194	0.152	19	30	21.5	7
12, 7/32"	FE 1	12, 7/32"		0.22	0.165	19	30	21.5	7
1/4" M6 M6.3	FE 1	1/4"	M6 M6.3	0.255	0.191	19	30	21.5	7
5/16" M7 M8	FE 1	5/16"	M7 M8	0.318	0.238	19	30	21.5	7
3/8" M10	FE 1	3/8"	M10	0.381	0.286	19	30	21.5	7
7/16" M11	FE 1	7/16"	M11	0.323	0.242	19	30	21.5	7
1/2" M12 M12.5	FE 1	1/2"	M12 M12.5	0.367	0.275	19	30	21.5	7
9/16" M14	FE 1	9/16"	M14	0.429	0.322	19	30	21.5	7
1/8" NPT	FE 1	1/8" NPT	-	0.437	0.328	19	30	21.5	7
5/16" M7 M8	FE 2	5/16"	M7 M8	0.318	0.238	31	48	35	11
3/8" M10	FE 2	3/8"	M10	0.381	0.286	31	48	35	11
7/16" M11	FE 2	7/16"	M11	0.323	0.242	31	48	35	11
1/2" M12 M12.5	FE 2	1/2"	M12 M12.5	0.367	0.275	31	48	35	11
9/16" M14	FE 2	9/16"	M14	0.429	0.322	31	48	35	11
5/8" M16	FE 2	5/8"	M16	0.48	0.36	31	48	35	11
11/16" M18	FE 2	11/16"	M18	0.542	0.406	31	48	35	11
3/4"	FE 2	3/4"	-	0.59	0.442	31	48	35	11
13/16" M20	FE 2	13/16"	M20	0.652	0.489	31	48	35	11
7/8" M22	FE 2	7/8"	M22	0.697	0.523	31	48	35	11
1/4" NPT	FE 2	1/4" NPT	-	0.562	0.421	31	48	35	11
3/8" NPT	FE 2	3/8" NPT	-	0.7	0.531	31	48	35	11
1/2" NPT	FE 2	1/2" NPT	-	0.687	0.515	31	48	35	11
M20									
13/16" M20	FE 3	13/16"	M22	0.652	0.489	48	70	55.5	13.5
7/8" M22	FE 3	7/8"	M24	0.697	0.523	48	70	55.5	13.5
15/16" M24	FE 3	15/16"	M25	0.76	0.57	48	70	55.5	13.5
1" M25	FE 3	1"	M27	0.8	0.6	48	70	55.5	13.5
1-1/8", 1-1/16" M27	FE 3	1-1/8", 1-1/16"	M30	0.896	0.672	48	70	55.5	13.5
1-1/4", 1-3/16 M30	FE 3	1-1/4", 1-3/16	M33	1.021	0.766	48	70	55.5	13.5
1-3/8", 1-5/16 M33	FE 3	1-3/8", 1-5/16	-	1.108	0.831	48	70	55.5	13.5
1/2" NPT	FE 3	1/2" NPT	-	0.687	0.515	48	70	55.5	13.5
3/4" NPT	FE 3	3/4" NPT	-	0.906	0.678	48	70	55.5	13.5
1" NPT	FE 3	1" NPT	-	1.125	0.843	48	70	55.5	13.5

BT Pull Stud

BT 拉钉



Size	D	D1	D2	M	L	L1	L2	H	H1	Ø
BT30-45	12.5	7	11	M12	43	23	18	4	3.5	45
BT30-60	12.5	7	11	M12	43	23	18	4	3.5	60
BT30-90	12.5	7	11	M12	43	23	18	4	3.5	90
BT40-45	17	10	15	M16	60	35	28	5	4	45
BT40-60	17	10	15	M16	60	35	28	5	4	60
BT40-90	17	10	15	M16	60	35	28	5	4	90
BT50-45	25	17	23	M24	85	45	35	8	8	45
BT50-60	25	17	23	M24	85	45	35	8	8	60
BT50-90	25	17	23	M24	85	45	35	8	8	90
BT30C-45	12.5	7	11	M12	43	23	18	4	3.5	45
BT30C-60	12.5	7	11	M12	43	23	18	4	3.5	60
BT30C-90	12.5	7	11	M12	43	23	18	4	3.5	90
BT40C-45	17	10	15	M16	60	35	28	5	4	45
BT40C-60	17	10	15	M16	60	35	28	5	4	60
BT40C-90	17	10	15	M16	60	35	28	5	4	90
BT50C-45	25	17	23	M24	85	45	35	8	8	45
BT50C-60	25	17	23	M24	85	45	35	8	8	60
BT50C-90	25	17	23	M24	85	45	35	8	8	90
BT30CO-45	12.5	7	11	M12	43	23	18	4	3.5	45
BT30CO-60	12.5	7	11	M12	43	23	18	4	3.5	60
BT30CO-90	12.5	7	11	M12	43	23	18	4	3.5	90
BT40CO-45	17	10	15	M16	60	35	28	5	4	45
BT40CO-60	17	10	15	M16	60	35	28	5	4	60
BT40CO-90	17	10	15	M16	60	35	28	5	4	90
BT50CO-45	25	17	23	M24	85	45	35	8	8	45
BT50CO-60	25	17	23	M24	85	45	35	8	8	60
BT50CO-90	25	17	23	M24	85	45	35	8	8	90

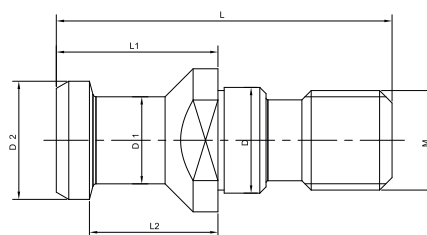
C: Through Hole

O: with O-Ring

Other sizes can be made by request.

SK Pull Stud

SK 拉钉



Size	D	D1	D2	M	L	L1	L2
SK-30A	13	9	13	M12	44	24	19
SK-40A	17	14	19	M16	54	26	20
SK-50A	25	21	28	M24	74	34	25
SK-30AO	13	9	13	M12	44	24	19
SK-40AO	17	14	19	M16	54	26	20
SK-50AO	25	21	28	M24	74	34	25
SK-30B	13	9	13	M12	44	24	19
SK-40B	17	14	19	M16	54	26	20
SK-50B	25	21	28	M24	74	34	25

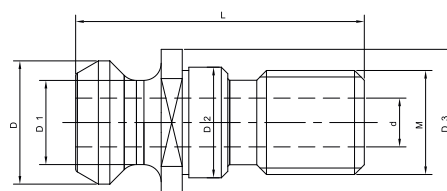
A: Through Hole, without O-Ring

B: Not Through Hole, with O-Ring

Other sizes can be made by request.

ISO 7388 Pull Stud

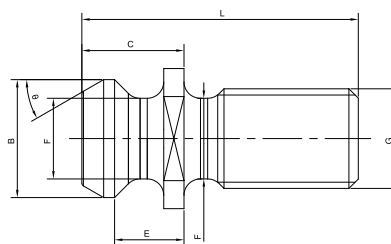
ISO 7388 拉钉



Size	D3	D2	D1	D	M	L	d
ISO7388-40A	23	17	14	19	M16	54	7
ISO7388-50A	38	25	21	28	M24	74	10
ISO7388-40B	22.5	17	12.95	18.95	M16	44.4	7.35
ISO7388-50B	37	25	19.6	29.1	M24	66.55	11.55

CAT Pull Stud

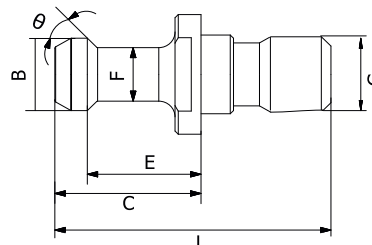
CAT 拉钉



Size	Type	G	θ	L	B	C	E	F
CAT40C-45	A	5/8"-11	45	1.5	0.74	0.64	0.44	0.49
CAT50C-45	A	1"-8	45	2.3	1.14	1	0.7	0.82

CAT Pull Stud

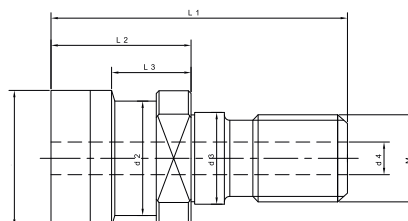
CAT 拉钉



Size	Type	G	θ	L	B	C	E	F
BT-CAT40C-45	B	5/8"-11	45	2.25	0.59	1.266	0.99	0.394
BT-CAT40C-90	B	5/8"-11	90	2.25	0.59	1.266	0.99	0.394
BT-CAT50C-45	B	1"-8	45	3.094	0.906	1.771	1.378	0.669
BT-CAT50C-90	B	1"-8	90	3.094	0.906	1.771	1.378	0.669

OTT Pull Stud

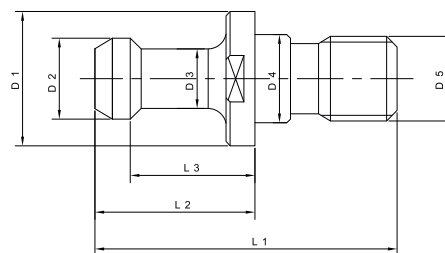
OTT 拉杆



Size	M	d1	d2	d3	d4	I3	I2	I1
OTT40	M16	25	21.1	17	7	13.6	25.1	53
OTT50	M24	39.6	30.2	25	7	13.3	25.1	65.1

ISO Pull Stud

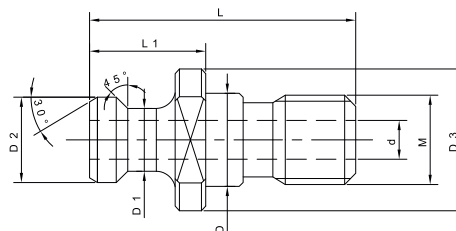
ISO 拉钉



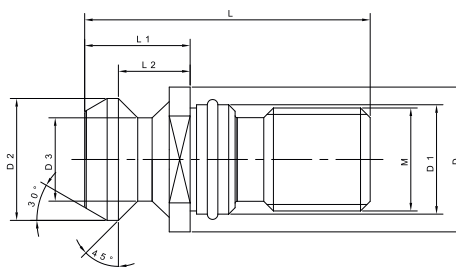
Size	L1	L2	L3	D1	D2	D3	D4	D5
ISO20	26	12	9	12	9	6	8.5	M8
ISO25	28	12	9	13	11	7	8.5	M8
ISO30	44	24	19	17	13	9	13	M12

Mazak Pull Stud

马扎克拉钉



Size	L	L1	D2	D1	D3	D	d	M
Mazak-BT40C	44.1	19.1	18.8	12.45	22	17	7	M16
Mazak-BT50C	65.2	25.2	29	20.83	37	25	10	M24
Mazak-BT40CO	44.1	19.1	18.8	12.45	22	17	7	M16
Mazak-BT50CO	65.2	25.2	29	20.83	37	25	10	M24



Size	D	D1	D2	D3	L	L1	L2	M
Mazak-CAT40C	22	17	18.79	12.5	41.25	16.25	11.17	M16
Mazak-CAT50C	35.6	25	28.95	20.82	65.4	25.4	17.78	M24
Mazak-CAT40CO	22	17	18.79	12.5	41.25	16.25	11.17	M16
Mazak-CAT50CO	35.6	25	28.95	20.82	65.4	25.4	17.78	M24

ER Nut

ER 压帽



UM

Size	D	d	L	M
ER16UM	32	26	17.5	M22X1.5
ER20UM	35	29	19	M25X1.5
ER25UM	42	36	20	M32X1.5
ER32UM	50	44	22.5	M40X1.5
ER40UM	63	57	25.5	M50X1.5
ER50UM	78	71	35.5	M64X2

Hex

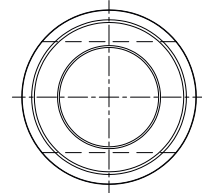
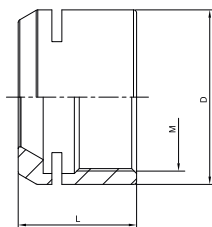
Size	D	d	L	M
ER11A	19	17	11.3	M14X0.75
ER16A	28	25	17.5	M22X1.5
ER20A	34	30	19	M25X1.5

Mini

Size	D	d	L	M
ER8M	12	10	10	M10X0.75
ER11M	16	12	12	M13X0.75
ER16M	22	17.2	18	M19X1
ER20M	28	22.5	19	M24X1
ER25M	35	28.6	20	M30X1

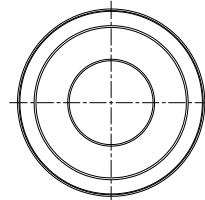
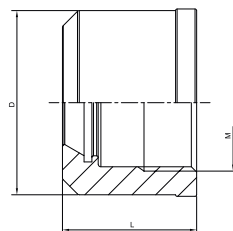
ER Nut

ER 压帽



MS

Size	D	L	M
ER11MS	16	12	M13*0.75
ER16MS	22	17	M19*1.0
ER20MS	28	19	M24*1.0
ER25MS	35	20	M30*1.0

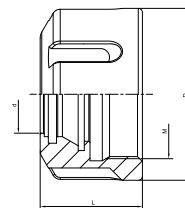
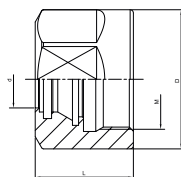


GER

Size	D	L	M
GER16	27	19	TM22*1.5
GER20	30	22	TM26*1.5
GER25	40	25.9	TM32*1.5
GER32	48	24.5	TM40*1.5

ER Sealed Nut

ERS 止水压帽

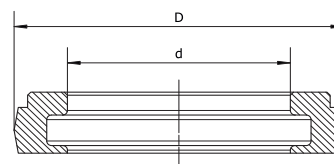


Sealed Nut

Size	D	d	L	M
ERS16	32	11	22.5	M22×1.5
ERS20	34	14	24	M25×1.5
ERS25	42	19	25	M32×1.5
ERS32	50	24	27.5	M40×1.5
ERS40	63	30	30.5	M50×1.5

Sealing Disc

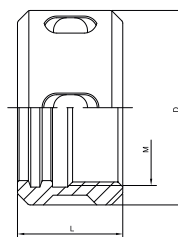
止水垫圈



Size	d	D	Size	d	D	Size	d	D	Size	d	D
ERS16-1	1	13	ERS20-11	11	16	ERS32-4	4	27	ERS40-6	6	33.5
ERS16-2	2	13	ERS20-12	12	16	ERS32-5	5	27	ERS40-7	7	33.5
ERS16-3	3	13	ERS20-13	13	16	ERS32-6	6	27	ERS40-8	8	33.5
ERS16-4	4	13				ERS32-7	7	27	ERS40-9	9	33.5
ERS16-5	5	13	ERS25-2	2	20.7	ERS32-8	8	27	ERS40-10	10	33.5
ERS16-6	6	13	ERS25-3	3	20.7	ERS32-9	9	27	ERS40-11	11	33.5
ERS16-7	7	13	ERS25-4	4	20.7	ERS32-10	10	27	ERS40-12	12	33.5
ERS16-8	8	13	ERS25-5	5	20.7	ERS32-11	11	27	ERS40-13	13	33.5
ERS16-9	9	13	ERS25-6	6	20.7	ERS32-12	12	27	ERS40-14	14	33.5
ERS16-10	10	13	ERS25-7	7	20.7	ERS32-13	13	27	ERS40-15	15	33.5
			ERS25-8	8	20.7	ERS32-14	14	27	ERS40-16	16	33.5
ERS20-1	1	16	ERS25-9	9	20.7	ERS32-15	15	27	ERS40-17	17	33.5
ERS20-2	2	16	ERS25-10	10	20.7	ERS32-16	16	27	ERS40-18	18	33.5
ERS20-3	3	16	ERS25-11	11	20.7	ERS32-17	17	27	ERS40-19	19	33.5
ERS20-4	4	16	ERS25-12	12	20.7	ERS32-18	18	27	ERS40-20	20	33.5
ERS20-5	5	16	ERS25-13	13	20.7	ERS32-19	19	27	ERS40-21	21	33.5
ERS20-6	6	16	ERS25-14	14	20.7	ERS32-20	20	27	ERS40-22	22	33.5
ERS20-7	7	16	ERS25-15	15	20.7				ERS40-23	23	33.5
ERS20-8	8	16	ERS25-16	16	20.7	ERS40-3	3	33.5	ERS40-24	24	33.5
ERS20-9	9	16	ERS32-2	2	27	ERS40-4	4	33.5	ERS40-25	25	33.5
ERS20-10	10	16	ERS32-3	3	27	ERS40-5	5	33.5	ERS40-26	26	33.5

OZ Nut

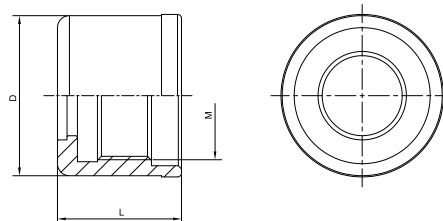
OZ 压帽



Size	D	L	M
OZ6	18	14	M14X1.0
OZ8	26	19	M20X1.5
OZ10	30	19	M22X1.5
OZ12	35	20	M27X1.5
OZ16	43	24	M33X1.5
OZ20	50	28	M42X2.0
OZ25	60	30	M48X2.0
OZ32	72	33.5	M60X2.5
OZ40	85	37	M68X2.5
OZ50	100	43	M80X2.5

SKS Nut

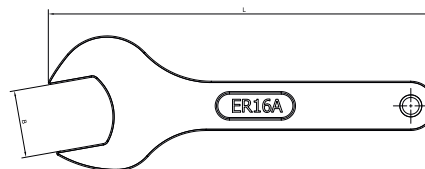
SKS 无风阻压帽



Size	D	L	M
SK06	19.5	21	M15.5*1.0
SK10	27.1	24	M21.5*1.0
SK16	40	31	M32*1.5
SK20	48	24	M40*1
SK25	55	37	M45*1.5

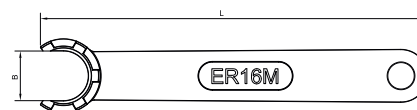
ER Spanner

ER 扳手



Hex

Size	B	L	Nut
ER11A	17	110	ER11-A
ER16A	25	120	ER16-A
ER20A	30	130	ER20-A

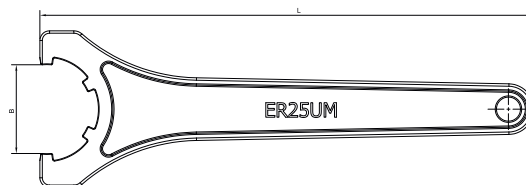


Mini

Size	B	L	Nut
ER8M	12.9	70	ER8-M
ER11M	16.7	90	ER11-M
ER16M	22.4	110	ER16-M
ER20M	28.9	120	ER20-M
ER25M	35.8	130	ER25-M

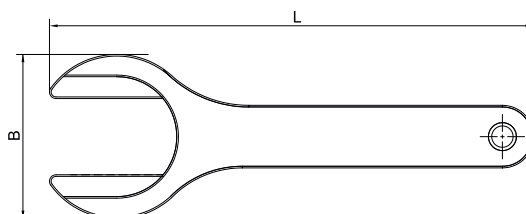
ER Spanner

ER 扳手



UM

Size	B	L	Nut
ER16UM	26	180	ER16-UM
ER20UM	29	190	ER20-UM
ER25UM	37	210	ER25-UM
ER32UM	45	250	ER32-UM
ER40UM	58	290	ER40-UM
ER50UM	71	350	ER50-UM

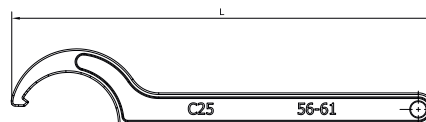


MS

Size	B	L
ER8MS	19	76
ER11MS	10	100
ER16MS	15	130
ER20MS	18	160
ER25MS	23	200

Hook Spanner

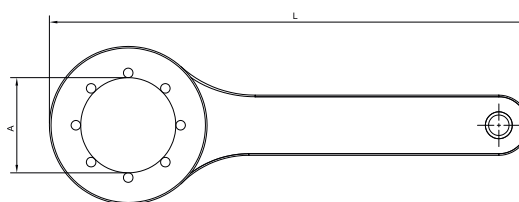
勾头扳手



Size	L	Range
C20	214	50-55
C25	214	56-61
C32	235	68-73
C42	261	88-96

Ball Spanner

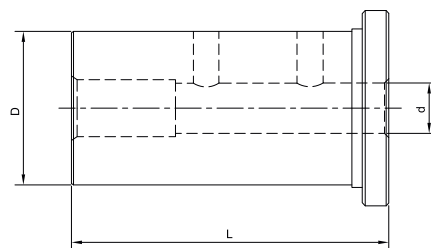
滚珠扳手



Size	A	L
SKS06C19	19	150
SKS10C27	27	150
SKS16C30	30	150
SKS20C35	35	170
SKS16C40	40	180
SKS20C48	48	210
SKS25C55	55	260

Reduction Sleeve for Boring Bar Holder

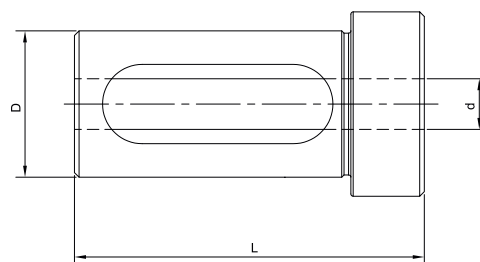
镗刀减径套



Size	d	D	L
SL25-06	6	25	46
SL25-08	8	25	46
SL25-10	10	25	46
SL25-12	12	25	46
SL32-06	6	32	56
SL32-08	8	32	56
SL32-10	10	32	56
SL32-12	12	32	56
SL40-06	6	40	71
SL40-08	8	40	71
SL40-10	10	40	71
SL40-12	12	40	71

Reduction Sleeve for Boring Bar Holder

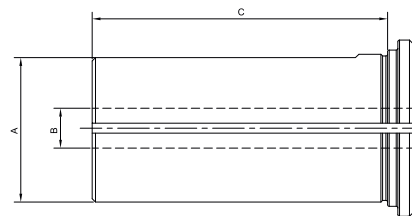
镗刀减径套



Size	d	D	L
SL25-16	16	25	46
SL25-20	20	25	46
SL32-16	16	32	56
SL32-20	20	32	56
SL32-25	25	32	56
SL40-16	16	40	71
SL40-20	20	40	71
SL40-25	25	40	71
SL40-32	32	40	71

Tool Holder Bushing B Type

车床刀套 B 型

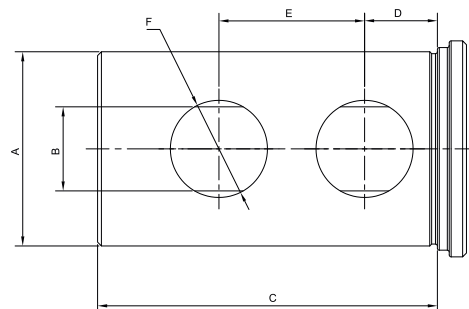


Size	A(OD)	B(ID)	C
B 3/4"x1/4"	3/4"	1/4	1-1/2
B 3/4"x5/16"	3/4"	5/16	1-1/2
B 3/4"x3/8"	3/4"	3/8	1-1/2
B 3/4"x1/2"	3/4"	1/2	1-1/2
B 1"x5/16"	1"	5/16	1-3/4
B 1"x3/8"	1"	3/8	1-3/4
B 1"x1/2"	1"	1/2	1-3/4
B 1"x5/8"	1"	5/8	1-3/4
B 1"x3/4"	1"	3/4	1-3/4
B 1-1/4"x3/8"	1-1/4"	3/8	2-1/8
B 1-1/4"x1/2"	1-1/4"	1/2	2-1/8
B 1-1/4"x5/8"	1-1/4"	5/8	2-1/8
B 1-1/4"x3/4"	1-1/4"	3/4	2-1/8
B 1-1/4"x7/8"	1-1/4"	7/8	2-1/8
B 1-1/4"x1"	1-1/4"	1	2-1/8
B 1-1/2"x3/8"	1-1/2"	3/8	2-1/2
B 1-1/2"x1/2"	1-1/2"	1/2	2-1/2
B 1-1/2"x5/8"	1-1/2"	5/8	2-1/2
B 1-1/2"x3/4"	1-1/2"	3/4	2-1/2
B 1-1/2"x7/8"	1-1/2"	7/8	2-1/2
B 1-1/2"x1"	1-1/2"	1	2-1/2
B 1-1/2"x1-1/4"	1-1/2"	1-1/4	2-1/2
B 1-3/4"x1/2"	1-3/4"	1/2	3
B 1-3/4"x5/8"	1-3/4"	5/8	3
B 1-3/4"x3/4"	1-3/4"	3/4	3
B 1-3/4"x7/8"	1-3/4"	7/8	3
B 1-3/4"x1"	1-3/4"	1	3
B 1-3/4"x1-1/4"	1-3/4"	1-1/4	3
B 1-3/4"x1-1/2"	1-3/4"	1-1/2	3

Size	A(OD)	B(ID)	C
B 2"x1/2"	2"	1/2	3-1/2
B 2"x5/8"	2"	5/8	3-1/2
B 2"x3/4"	2"	3/4	3-1/2
B 2"x7/8"	2"	7/8	3-1/2
B 2"x1"	2"	1	3-1/2
B 2"x1-1/4"	2"	1-1/4	3-1/2
B 2"x1-1/2"	2"	1-1/2	3-1/2
B 2"x1-3/4"	2"	1-3/4	3-1/2
B 2-1/2"x1/2"	2-1/2"	1/2	4
B 2-1/2"x5/8"	2-1/2"	5/8	4
B 2-1/2"x3/4"	2-1/2"	3/4	4
B 2-1/2"x7/8"	2-1/2"	7/8	4
B 2-1/2"x1"	2-1/2"	1	4
B 2-1/2"x1-1/4"	2-1/2"	1-1/4	4
B 2-1/2"x1-1/2"	2-1/2"	1-1/2	4
B 2-1/2"x1-3/4"	2-1/2"	1-3/4	4
B 2-1/2"x2"	2-1/2"	2	4
B 2-1/2"x2-1/4"	2-1/2"	2-1/4	4
B 3"x1-1/4"	3"	1	4-1/2
B 3"x1-1/2"	3"	1-1/4	4-1/2
B 3"x1-3/4"	3"	1-1/2	4-1/2
B 3-1/2"x1/2"	3"	1-3/4	4-1/2
B 3-1/2"x5/8"	3"	2	4-1/2
B 3-1/2"x3/4"	3"	2-1/4	4-1/2
B 3-1/2"x7/8"	3"	2-1/2	4-1/2
B 3-1/2"x1"	3-1/2"	1	5-1/4
B 3-1/2"x1-1/4"	3-1/2"	1-1/4	5-1/4
B 3-1/2"x1-1/2"	3-1/2"	1-1/2	5-1/4
B 3-1/2"x1-3/4"	3-1/2"	1-3/4	5-1/4
B 3-1/2"x2"	3-1/2"	2	5-1/4
B 3-1/2"x2-1/4"	3-1/2"	2-1/4	5-1/4
B 3-1/2"x2-1/2"	3-1/2"	2-1/2	5-1/4
B 3-1/2"x3"	3-1/2"	3	5-1/4

Tool Holder Bushing J Type

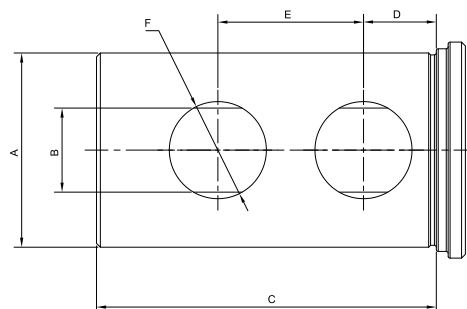
车床刀套 J 型



Size	A(OD)	B(ID)	C	D	E	F	Holes No.
J 3/4"x1/4"	3/4"	1/4	1-1/2	3/9	13/16	3/8	2
J 3/4"x5/16"	3/4"	5/16	1-1/2	3/9	13/16	3/8	2
J 3/4"x3/8"	3/4"	3/8	1-1/2	3/9	13/16	3/8	2
J 3/4"x1/2"	3/4"	1/2	1-1/2	3/9	13/16	3/8	2
J 1"x3/8"	1"	3/8	1-3/4	7/16	7/8	5/8	2
J 1"x1/2"	1"	1/2	1-3/4	7/16	7/8	5/8	2
J 1"x5/8"	1"	5/8	1-3/4	7/16	7/8	5/8	2
J 1"x3/4"	1"	3/4	1-3/4	7/16	7/8	5/8	2
J 1-1/4"x3/8"	1-1/4"	3/8	2-1/8	5/8	1	3/4	2
J 1-1/4"x1/2"	1-1/4"	1/2	2-1/8	5/8	1	3/4	2
J 1-1/4"x5/8"	1-1/4"	5/8	2-1/8	5/8	1	3/4	2
J 1-1/4"x3/4"	1-1/4"	3/4	2-1/8	5/8	1	3/4	2
J 1-1/4"x7/8"	1-1/4"	7/8	2-1/8	5/8	1	3/4	2
J 1-1/4"x1"	1-1/4"	1	2-1/8	5/8	1	3/4	2
J 1-1/2"x3/8"	1-1/2"	3/8	2-1/2	11/16	1-1/8	7/8	2
J 1-1/2"x1/2"	1-1/2"	1/2	2-1/2	11/16	1-1/8	7/8	2
J 1-1/2"x5/8"	1-1/2"	5/8	2-1/2	11/16	1-1/8	7/8	2
J 1-1/2"x3/4"	1-1/2"	3/4	2-1/2	11/16	1-1/8	7/8	2
J 1-1/2"x7/8"	1-1/2"	7/8	2-1/2	11/16	1-1/8	7/8	2
J 1-1/2"x1"	1-1/2"	1	2-1/2	11/16	1-1/8	7/8	2
J 1-1/2"x1-1/4"	1-1/2"	1-1/4	2-1/2	11/16	1-1/8	7/8	2
J 1-3/4"x1/2"	1-3/4"	1/2	3	3/4	1-1/4	7/8	2
J 1-3/4"x5/8"	1-3/4"	5/8	3	3/4	1-1/4	7/8	2
J 1-3/4"x3/4"	1-3/4"	3/4	3	3/4	1-1/4	7/8	2
J 1-3/4"x7/8"	1-3/4"	7/8	3	3/4	1-1/4	7/8	2
J 1-3/4"x1"	1-3/4"	1	3	3/4	1-1/4	7/8	2
J 1-3/4"x1-1/4"	1-3/4"	1-1/4	3	3/4	1-1/4	7/8	2
J 1-3/4"x1-1/2"	1-3/4"	1-1/2	3	3/4	1-1/4	7/8	2
J 2"x1/2"	2"	1/2	3-1/2	3/4	1-1/2	1	2
J 2"x5/8"	2"	5/8	3-1/2	3/4	1-1/2	1	2
J 2"x3/4"	2"	3/4	3-1/2	3/4	1-1/2	1	2
J 2"x7/8"	2"	7/8	3-1/2	3/4	1-1/2	1	2
J 2"x1"	2"	1	3-1/2	3/4	1-1/2	1	2

Tool Holder Bushing J Type

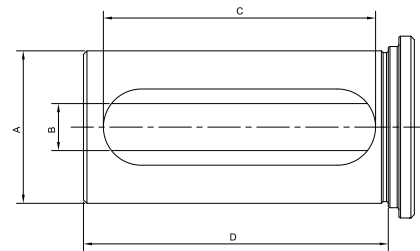
车床刀套 J 型



Size	A(OD)	B(ID)	C	D	E	F	Holes No.
J 2"x1-1/4"	2"	1-1/4	3-1/2	3/4	1-1/2	1	2
J 2"x1-1/2"	2"	1-1/2	3-1/2	3/4	1-1/2	1	2
J 2"x1-3/4"	2"	1-3/4	3-1/2	3/4	1-1/2	1	2
J 2-1/2"x1/2"	2-1/2"	1/2	4	7/8	1-3/4	1-1/4	2
J 2-1/2"x5/8"	2-1/2"	5/8	4	7/8	1-3/4	1-1/4	2
J 2-1/2"x3/4"	2-1/2"	3/4	4	7/8	1-3/4	1-1/4	2
J 2-1/2"x7/8"	2-1/2"	7/8	4	7/8	1-3/4	1-1/4	2
J 2-1/2"x1"	2-1/2"	1	4	7/8	1-3/4	1-1/4	2
J 2-1/2"x1-1/4"	2-1/2"	1-1/4	4	7/8	1-3/4	1-1/4	2
J 2-1/2"x1-1/2"	2-1/2"	1-1/2	4	7/8	1-3/4	1-1/4	2
J 2-1/2"x1-3/4"	2-1/2"	1-3/4	4	7/8	1-3/4	1-1/4	2
J 2-1/2"x2"	2-1/2"	2	4	7/8	1-3/4	1-1/4	2
J 2-1/2"x2-1/4"	2-1/2"	2-1/4	4	7/8	1-3/4	1-1/4	2
J 3"x1"	3"	1	4-1/2	1	2	1-1/4	4
J 3"x1-1/4"	3"	1-1/4	4-1/2	1	2	1-1/4	4
J 3"x1-1/2"	3"	1-1/2	4-1/2	1	2	1-1/4	4
J 3"x1-3/4"	3"	1-3/4	4-1/2	1	2	1-1/4	4
J 3"x2"	3"	2	4-1/2	1	2	1-1/4	4
J 3"x2-1/4"	3"	2-1/4	4-1/2	1	2	1-1/4	4
J 3"x2-1/2"	3"	2-1/2	4-1/2	1	2	1-1/4	4
J 3-1/2"x1"	3-1/2"	1	5-1/4	1-1/4	2-1/2	1-1/4	4
J 3-1/2"x1-1/4"	3-1/2"	1-1/4	5-1/4	1-1/4	2-1/2	1-1/4	4
J 3-1/2"x1-1/2"	3-1/2"	1-1/2	5-1/4	1-1/4	2-1/2	1-1/4	4
J 3-1/2"x1-3/4"	3-1/2"	1-3/4	5-1/4	1-1/4	2-1/2	1-1/4	4
J 3-1/2"x2"	3-1/2"	2	5-1/4	1-1/4	2-1/2	1-1/4	4
J 3-1/2"x2-1/4"	3-1/2"	2-1/4	5-1/4	1-1/4	2-1/2	1-1/4	4
J 3-1/2"x2-1/2"	3-1/2"	2-1/2	5-1/4	1-1/4	2-1/2	1-1/4	4
J 3-1/2"x3"	3-1/2"	3	5-1/4	1-1/4	2-1/2	1-1/4	4

Tool Holder Bushing C Type

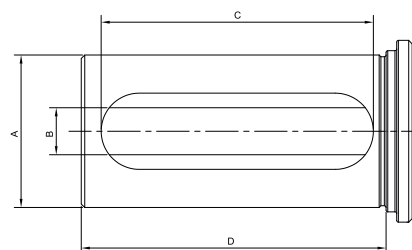
车床刀套 C 型



Size	A(OD)	B(ID)	C	D	Holes No.
C 3/4"x1/4"	3/4"	1/4	1-1/2	2	1
C 3/4"x5/16"	3/4"	5/16	1-1/2	2	1
C 3/4"x3/8"	3/4"	3/8	1-1/2	2	1
C 3/4"x1/2"	3/4"	1/2	1-1/2	2	1
C 1"x1/4"	1"	1/4	2-3/8	2-3/4	1
C 1"x5/16"	1"	5/16	2-3/8	2-3/4	1
C 1"x3/8"	1"	3/8	2-3/8	2-3/4	1
C 1"x1/2"	1"	1/2	2-3/8	2-3/4	1
C 1"x5/8"	1"	5/8	2-3/8	2-3/4	1
C 1"x3/4"	1"	3/4	2-3/8	2-3/4	1
C 1-1/4"x3/8"	1-1/4"	3/8	2-3/4	3-1/4	1
C 1-1/4"x1/2"	1-1/4"	1/2	2-3/4	3-1/4	1
C 1-1/4"x5/8"	1-1/4"	5/8	2-3/4	3-1/4	1
C 1-1/4"x3/4"	1-1/4"	3/4	2-3/4	3-1/4	1
C 1-1/4"x7/8"	1-1/4"	7/8	2-3/4	3-1/4	1
C 1-1/4"x1"	1-1/4"	1	2-3/4	3-1/4	1
C 1-1/2"x3/8"	1-1/2"	3/8	3	3-3/8	1
C 1-1/2"x1/2"	1-1/2"	1/2	3	3-3/8	1
C 1-1/2"x5/8"	1-1/2"	5/8	3	3-3/8	1
C 1-1/2"x3/4"	1-1/2"	3/4	3	3-3/8	1
C 1-1/2"x7/8"	1-1/2"	7/8	3	3-3/8	1
C 1-1/2"x1"	1-1/2"	1	3	3-3/8	1
C 1-1/2"x1-1/4"	1-1/2"	1-1/4	3	3-3/8	1
C 1-3/4"x1/2"	1-3/4"	1/2	3-1/8	3-1/2	1
C 1-3/4"x5/8"	1-3/4"	5/8	3-1/8	3-1/2	1
C 1-3/4"x3/4"	1-3/4"	3/4	3-1/8	3-1/2	1
C 1-3/4"x7/8"	1-3/4"	7/8	3-1/8	3-1/2	1
C 1-3/4"x1"	1-3/4"	1	3-1/8	3-1/2	1
C 1-3/4"x1-1/4"	1-3/4"	1-1/4	3-1/8	3-1/2	1
C 1-3/4"x1-1/2"	1-3/4"	1-1/2	3-1/8	3-1/2	1
C 2"x1-1/2"	2"	1/2	3-5/8	4	1
C 2"x5/8"	2"	5/8	3-5/8	4	1
C 2"x3/4"	2"	3/4	3-5/8	4	1
C 2"x1"	2"	1	3-5/8	4	1

Tool Holder Bushing C Type

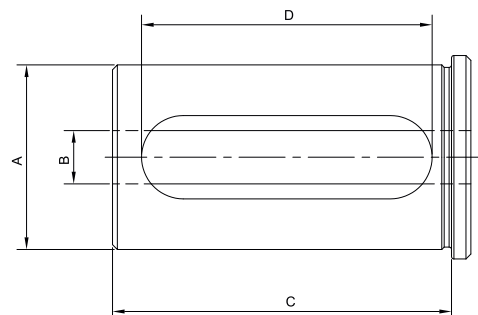
车床刀套 C 型



Size	A(OD)	B(ID)	C	D	Holes No.
C 2"x1-1/4"	2"	1-1/4	3-5/8	4	1
C 2"x1-1/2"	2"	1-1/2	3-5/8	4	1
C 2"x1-3/4"	2"	1-3/4	3-5/8	4	1
C 2-1/2"x1/2"	2-1/2"	1/2	4-1/8	4-1/2	1 or 2
C 2-1/2"x5/8"	2-1/2"	5/8	4-1/8	4-1/2	1 or 2
C 2-1/2"x3/4"	2-1/2"	3/4	4-1/8	4-1/2	1 or 2
C 2-1/2"x7/8"	2-1/2"	7/8	4-1/8	4-1/2	1 or 2
C 2-1/2"x1"	2-1/2"	1	4-1/8	4-1/2	1 or 2
C 2-1/2"x1-1/4"	2-1/2"	1-1/4	4-1/8	4-1/2	1 or 2
C 2-1/2"x1-1/2"	2-1/2"	1-1/2	4-1/8	4-1/2	1 or 2
C 2-1/2"x1-3/4"	2-1/2"	1-3/4	4-1/8	4-1/2	1 or 2
C 2-1/2"x2"	2-1/2"	2	4-1/8	4-1/2	1 or 2
C 2-1/2"x2-1/4"	2-1/2"	2-1/4	4-1/8	4-1/2	1 or 2
C 3"x1"	3"	1	4-5/8	5	1 or 2
C 3"x1-1/4"	3"	1-1/4	4-5/8	5	1 or 2
C 3"x1-1/2"	3"	1-1/2	4-5/8	5	1 or 2
C 3"x1-3/4"	3"	1-3/4	4-5/8	5	1 or 2
C 3"x2"	3"	2	4-5/8	5	1 or 2
C 3"x2-1/4"	3"	2-1/4	4-5/8	5	1 or 2
C 3"x2-1/2"	3"	2-1/2	4-5/8	5	1 or 2
C 3-1/2"x1"	3-1/2"	1	5	5-3/4	1 or 2
C 3-1/2"x1x1/4"	3-1/2"	1-1/4	5	5-3/4	1 or 2
C 3-1/2"x1-1/2"	3-1/2"	1-1/2	5	5-3/4	1 or 2
C 3-1/2"x1-3/4"	3-1/2"	1-3/4	5	5-3/4	1 or 2
C 3-1/2"x2"	3-1/2"	2	5	5-3/4	1 or 2
C 3-1/2"x2-1/4"	3-1/2"	2-1/4	5	5-3/4	1 or 2
C 3-1/2"x2-1/2"	3-1/2"	2-1/2	5	5-3/4	1 or 2
C 3-1/2"x3"	3-1/2"	3	5	5-3/4	1 or 2

Tool Holder Bushing CV Type

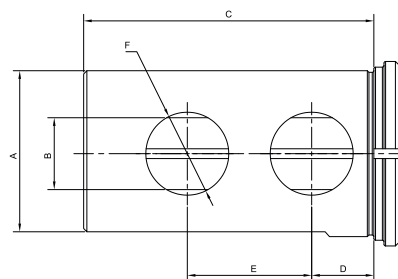
车床刀套 CV 型



Size	A(OD)	B(ID)	C	D
CV 1-1/4"x1/4"	1-1/4"	1/4	2.36(60mm)	1.97(50mm)
CV 1-1/4"x3/8"	1-1/4"	3/8	2.36(60mm)	1.97(50mm)
CV 1-1/4"x1/2"	1-1/4"	1/2	2.36(60mm)	1.97(50mm)
CV 1-1/4"x5/8"	1-1/4"	5/8	2.36(60mm)	1.97(50mm)
CV 1-1/4"x3/4"	1-1/4"	3/4	2.36(60mm)	1.97(50mm)
CV 1-1/4"x7/8"	1-1/4"	7/8	2.36(60mm)	1.97(50mm)
CV 1-1/4"x1"	1-1/4"	1	2.36(60mm)	1.97(50mm)
CV 1-1/2"x1/4"	1-1/2"	1/4	2.76(70mm)	2.36(60mm)
CV 1-1/2"x3/8"	1-1/2"	3/8	2.76(70mm)	2.36(60mm)
CV 1-1/2"x1/2"	1-1/2"	1/2	2.76(70mm)	2.36(60mm)
CV 1-1/2"x5/8"	1-1/2"	5/8	2.76(70mm)	2.36(60mm)
CV 1-1/2"x3/4"	1-1/2"	3/4	2.76(70mm)	2.36(60mm)
CV 1-1/2"x7/8"	1-1/2"	7/8	2.76(70mm)	2.36(60mm)
CV 1-1/2"x1"	1-1/2"	1	2.76(70mm)	2.36(60mm)
CV 1-1/2"x1/4"	1-1/2"	1-1/4	2.76(70mm)	2.36(60mm)

Tool Holder Bushing DD Type

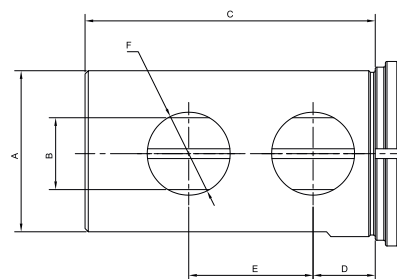
车床刀套 DD 型



Size	A(OD)	B(ID)	C	D	E	F	Holes No.
DD 1-1/2"x3/8"	1-1/2"	3/8	2-1/2	11/16	1-1/8	7/8	2
DD 1-1/2"x1/2"	1-1/2"	1/2	2-1/2	11/16	1-1/8	7/8	2
DD 1-1/2"x5/8"	1-1/2"	5/8	2-1/2	11/16	1-1/8	7/8	2
DD 1-1/2"x3/4"	1-1/2"	3/4	2-1/2	11/16	1-1/8	7/8	2
DD 1-1/2"x7/8"	1-1/2"	7/8	2-1/2	11/16	1-1/8	7/8	2
DD 1-1/2"x1"	1-1/2"	1	2-1/2	11/16	1-1/8	7/8	2
DD 1-1/2"x1-1/4"	1-1/2"	1-1/4	2-1/2	11/16	1-1/8	7/8	2
DD 1-3/4"x1/2"	1-3/4"	1/2	3	3/4	1-1/4	7/8	2
DD 1-3/4"x5/8"	1-3/4"	5/8	3	3/4	1-1/4	7/8	2
DD 1-3/4"x3/4"	1-3/4"	3/4	3	3/4	1-1/4	7/8	2
DD 1-3/4"x7/8"	1-3/4"	7/8	3	3/4	1-1/4	7/8	2
DD 1-3/4"x1"	1-3/4"	1	3	3/4	1-1/4	7/8	2
DD 1-3/4"x1-1/4"	1-3/4"	1-1/4	3	3/4	1-1/4	7/8	2
DD 1-3/4"x1-1/2"	1-3/4"	1-1/2	3	3/4	1-1/4	7/8	2
DD 2"x1/2"	2"	1/2	3-1/2	3/4	1-1/2	1	2
DD 2"x5/8"	2"	5/8	3-1/2	3/4	1-1/2	1	2
DD 2"x3/4"	2"	3/4	3-1/2	3/4	1-1/2	1	2
DD 2"x7/8"	2"	7/8	3-1/2	3/4	1-1/2	1	2
DD 2"x1"	2"	1	3-1/2	3/4	1-1/2	1	2
DD 2"x1-1/4"	2"	1-1/4	3-1/2	3/4	1-1/2	1	2
DD 2"x1-1/2"	2"	1-1/2	3-1/2	3/4	1-1/2	1	2
DD 2"x1-3/4"	2"	1-3/4	3-1/2	3/4	1-1/2	1	2
DD 2-1/2"x1/2"	2-1/2"	1/2	4	7/8	1-3/4	1-1/4	2
DD 2-1/2"x5/8"	2-1/2"	5/8	4	7/8	1-3/4	1-1/4	2
DD 2-1/2"x3/4"	2-1/2"	3/4	4	7/8	1-3/4	1-1/4	2
DD 2-1/2"x7/8"	2-1/2"	7/8	4	7/8	1-3/4	1-1/4	2
DD 2-1/2"x1"	2-1/2"	1	4	7/8	1-3/4	1-1/4	2
DD 2-1/2"x1-1/4"	2-1/2"	1-1/4	4	7/8	1-3/4	1-1/4	2
DD 2-1/2"x1-1/2"	2-1/2"	1-1/2	4	7/8	1-3/4	1-1/4	2
DD 2-1/2"x1-3/4"	2-1/2"	1-3/4	4	7/8	1-3/4	1-1/4	2
DD 2-1/2"x2"	2-1/2"	2	4	7/8	1-3/4	1-1/4	2
DD 2-1/2"x2-1/4"	2-1/2"	2-1/4	4	7/8	1-3/4	1-1/4	2

Tool Holder Bushing DD Type

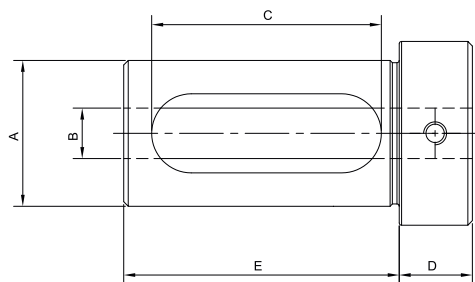
车床刀套 DD 型



Size	A(OD)	B(ID)	C	D	E	F	Holes No.
DD 3"x1"	3"	1	4-1/2	1	2	1-1/4	4
DD 3"x1-1/4"	3"	1-1/4	4-1/2	1	2	1-1/4	4
DD 3"x1-1/2"	3"	1-1/2	4-1/2	1	2	1-1/4	4
DD 3"x1-3/4"	3"	1-3/4	4-1/2	1	2	1-1/4	4
DD 3"x2"	3"	2	4-1/2	1	2	1-1/4	4
DD 3"x2-1/4"	3"	2-1/4	4-1/2	1	2	1-1/4	4
DD 3"x2-1/2"	3"	2-1/2	4-1/2	1	2	1-1/4	4
DD 3-1/2"x1"	3-1/2"	1	5-1/4	1-1/4	2-1/2	1-1/4	4
DD 3-1/2"x1-1/4"	3-1/2"	1-1/4	5-1/4	1-1/4	2-1/2	1-1/4	4
DD 3-1/2"x1-1/2"	3-1/2"	1-1/2	5-1/4	1-1/4	2-1/2	1-1/4	4
DD 3-1/2"x1-3/4"	3-1/2"	1-3/4	5-1/4	1-1/4	2-1/2	1-1/4	4
DD 3-1/2"x2"	3-1/2"	2	5-1/4	1-1/4	2-1/2	1-1/4	4
DD 3-1/2"x2-1/4"	3-1/2"	2-1/4	5-1/4	1-1/4	2-1/2	1-1/4	4
DD 3-1/2"x2-1/2"	3-1/2"	2-1/2	5-1/4	1-1/4	2-1/2	1-1/4	4
DD 3-1/2"x3"	3-1/2"	3	5-1/4	1-1/4	2-1/2	1-1/4	4

Tool Holder Bushing Z Type

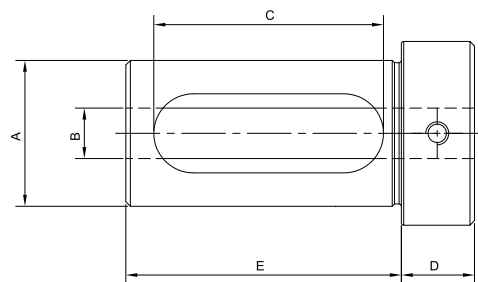
车床刀套 Z 型



Size	A(OD)	B(ID)	C	D	Holes No.
Z 3/4"x1/4"	3/4"	1/4	2-3/8	1/2	2-1/2
Z 3/4"x5/16"	3/4"	5/16	2-3/8	1/2	2-1/2
Z 3/4"x3/8"	3/4"	3/8	2-3/8	1/2	2-1/2
Z 3/4"x1/2"	3/4"	1/2	2-3/8	1/2	2-1/2
Z 1"x1/4"	1"	1/4	2-3/8	1/2	2-3/4
Z 1"x5/16"	1"	5/16	2-3/8	1/2	2-3/4
Z 1"x3/8"	1"	3/8	2-3/8	1/2	2-3/4
Z 1"x1/2"	1"	1/2	2-3/8	1/2	2-3/4
Z 1"x5/8"	1"	5/8	2-3/8	1/2	2-3/4
Z 1"x3/4"	1"	3/4	2-3/8	1/2	2-3/4
Z 1-1/4"x3/8"	1-1/4"	3/8	2-5/8	5/8	3
Z 1-1/4"x1/2"	1-1/4"	1/2	2-5/8	5/8	3
Z 1-1/4"x5/8"	1-1/4"	5/8	2-5/8	5/8	3
Z 1-1/4"x3/4"	1-1/4"	3/4	2-5/8	5/8	3
Z 1-1/4"x7/8"	1-1/4"	7/8	2-5/8	5/8	3
Z 1-1/4"x1"	1-1/4"	1	2-5/8	5/8	3
Z 1-1/2"x3/8"	1-1/2"	3/8	2-7/8	3/4	3-1/4
Z 1-1/2"x1/2"	1-1/2"	1/2	2-7/8	3/4	3-1/4
Z 1-1/2"x5/8"	1-1/2"	5/8	2-7/8	3/4	3-1/4
Z 1-1/2"x3/4"	1-1/2"	3/4	2-7/8	3/4	3-1/4
Z 1-1/2"x7/8"	1-1/2"	7/8	2-7/8	3/4	3-1/4
Z 1-1/2"x1"	1-1/2"	1	2-7/8	3/4	3-1/4
Z 1-1/2"x1-1/4"	1-1/2"	1-1/4	2-7/8	3/4	3-1/4
Z 1-3/4"x1/2"	1-3/4"	1/2	3-1/8	3/4	3-1/2
Z 1-3/4"x5/8"	1-3/4"	5/8	3-1/8	3/4	3-1/2
Z 1-3/4"x3/4"	1-3/4"	3/4	3-1/8	3/4	3-1/2
Z 1-3/4"x7/8"	1-3/4"	7/8	3-1/8	3/4	3-1/2
Z 1-3/4"x1"	1-3/4"	1	3-1/8	3/4	3-1/2
Z 1-3/4"x1-1/4"	1-3/4"	1-1/4	3-1/8	3/4	3-1/2
Z 1-3/4"x1-1/2"	1-3/4"	1-1/2	3-1/8	3/4	3-1/2
Z 2"x1/2"	2"	1/2	3-1/2	3/4	3-3/4
Z 2"x5/8"	2"	5/8	3-1/2	3/4	3-3/4
Z 2"x3/4"	2"	3/4	3-1/2	3/4	3-3/4
Z 2"x7/8"	2"	7/8	3-1/2	3/4	3-3/4

Tool Holder Bushing Z Type

车床刀套 Z 型



Size	A(OD)	B(ID)	C	D	Holes No.
Z 2"x1"	2"	1	3-1/2	3/4	3-3/4
Z 2"x1-1/4"	2"	1-1/4	3-1/2	3/4	3-3/4
Z 2"x1-1/2"	2"	1-1/2	3-1/2	3/4	3-3/4
Z 2"x1-3/4"	2"	1-3/4	3-1/2	3/4	3-3/4
Z 2-1/2"x5/8"	2-1/2"	5/8	3-7/8	3/4	4-1/4
Z 2-1/2"x3/4"	2-1/2"	3/4	3-7/8	3/4	4-1/4
Z 2-1/2"x7/8"	2-1/2"	7/8	3-7/8	3/4	4-1/4
Z 2-1/2"x1"	2-1/2"	1	3-7/8	3/4	4-1/4
Z 2-1/2"x1-1/4"	2-1/2"	1-1/4	3-7/8	3/4	4-1/4
Z 2-1/2"x1-1/2"	2-1/2"	1-1/2	3-7/8	3/4	4-1/4
Z 2-1/2"x1-3/4"	2-1/2"	1-3/4	3-7/8	3/4	4-1/4
Z 2-1/2"x2"	2-1/2"	2	3-7/8	3/4	4-1/4
Z 2-1/2"x2-1/4"	2-1/2"	2-1/4	3-7/8	3/4	4-1/4
Z 3"x1"	3"	1	4-3/8	3/4	4-3/4
Z 3"x1-1/4"	3"	1-1/4	4-3/8	3/4	4-3/4
Z 3"x1-1/2"	3"	1-1/2	4-3/8	3/4	4-3/4
Z 3"x1-3/4"	3"	1-3/4	4-3/8	3/4	4-3/4
Z 3"x2"	3"	2	4-3/8	3/4	4-3/4
Z 3"x2-1/4"	3"	2-1/4	4-3/8	3/4	4-3/4
Z 3"x2-1/2"	3"	2-1/2	4-3/8	3/4	4-3/4
Z 3-1/2"x1-1/4"	3-1/2"	1-1/4	4-7/8	1	5-1/2
Z 3-1/2"x1-1/2"	3-1/2"	1-1/2	4-7/8	1	5-1/2
Z 3-1/2"x1-3/4"	3-1/2"	1-3/4	4-7/8	1	5-1/2
Z 3-1/2"x2"	3-1/2"	2	4-7/8	1	5-1/2
Z 3-1/2"x2-1/4"	3-1/2"	2-1/4	4-7/8	1	5-1/2
Z 3-1/2"x2-1/2"	3-1/2"	2-1/2	4-7/8	1	5-1/2
Z 3-1/2"x3"	3-1/2"	3	4-7/8	1	5-1/2
Z 4"x1-1/2"	4"	1-1/2	5-5/8	1	6-1/4
Z 4"x1-3/4"	4"	1-3/4	5-5/8	1	6-1/4
Z 4"x2"	4"	2	5-5/8	1	6-1/4
Z 4"x2-1/4"	4"	2-1/4	5-5/8	1	6-1/4
Z 4"x2-1/2"	4"	2-1/2	5-5/8	1	6-1/4
Z 4"x3"	4"	3	5-5/8	1	6-1/4



Bright-tools

BRIGHT-TOOLS

Tool Holder Locking Device

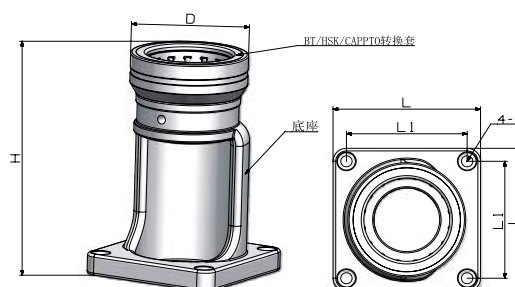
刀柄锁刀座



Size	Dimension (mm)	Wt (kg)
BT30	168*88*110	2.7
BT40	186*90*128	3.3
BT50	280*138*180	8.3
SK30(CAT30)	168*88*110	2.7
SK40(CAT40)	186*90*128	3.3
SK50(CAT50)	280*138*180	8.3

Tool Holder Locking Device (New Type)

BT\HSK\CAPTO 刀柄用 锁刀座



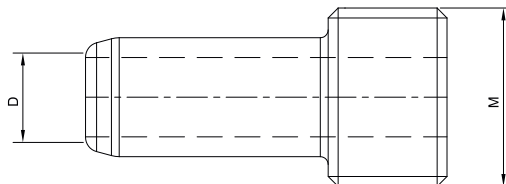
Size	Tool Holder	D	H	L	L1	M
TMS40-32	HSK32, C3	76	168	110	90	M8
TMS40-40	HSK40, C4	76	168	110	90	M8
TMS40-46	BT30	76	168	110	90	M8
TMS40-50	HSK50, SK30, C5	76	168	110	90	M8
TMS40-63	HSK63, BT40, C6	87	172	110	90	M8
TMS40-63.5	CAT40	87	172	110	90	M8
TMS40-63.55	SK40	87	172	110	90	M8
TMS50-80	HSK80, C8	114	219	160	130	M8
TMS50-97.5	SK50	124	219	160	130	M8
TMS50-98.43	CAT50	124	219	160	130	M8
TMS50-100	HSK100, BT50	124	219	160	130	M8

ACCESSORY

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HSK Coolant Tube

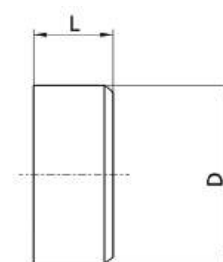
HSK 冷却导管



Size	Tool Holder Size	D	M	L
CT32	HSK32	6	M10×1	26
CT40	HSK40	8	M12×1	29.5
CT50	HSK50	10	M16×1	33
CT63	HSK63	12	M18×1	36.5
CT80	HSK80	14	M20×1.5	40
CT100	HSK100	16	M24×1.5	44

Balluff Data Carrier

巴鲁夫数据芯片



Size	D	L	Memory Type	User Data, Read/Write
BIS M-122-02/A	10	4.5	FRAM	2000 Byte
BIS C-122-04/L	10	4.5	EEPROM	511 Byte

Clamping Kits 58 PCS

58 件套组合压板



Metric

Size	Wt (kg)	Packing (cm)
M8*10-58 pcs	6.5kg	33*11*20
M10*12-58 pcs	7kg	33*11*20
M12*14-58 pcs	9.5kg	37*11*22
M12*16-58 pcs	10kg	37*11*22
M14*16-58 pcs	12kg	39*11*22
M14*18-58 pcs	12.5kg	39*11*22
M16*18-58 pcs	16kg	49*13*23
M16*20-58 pcs	16.5kg	49*13*23
M18*20-58 pcs	23kg	38*16*29
M20*22-58 pcs	25kg	38*16*29
M22*26-58 pcs	40kg	47*25*29

Inch

Size	Wt (kg)	Packing (cm)
5/16"-18*3/8"	6kg	33*11*20
3/8"-16*7/16"	7kg	33*11*20
3/8"-16*1/2"	7kg	33*11*20
3/8"-16*9/16"	7kg	33*11*20
1/2"-13-9/16"	10kg	37*11*22
1/2"-13-5/8"	10kg	37*11*22
1/2"-13-11/16"	10kg	37*11*22
5/8"-11-11/16"	16kg	39*13*23
5/8"-11-3/4"	16kg	39*13*23
5/8"-11-13/16"	16kg	39*13*23
3/4"-10*7/8"	24kg	38*16*29

Tool Holder Trolley 刀具车



Size	Cabinet Size	Packing Size	Wt (kg)
BT30-36	920 x 475 x 775 mm	700 x 490 x 330 mm	30
BT40-36	920 x 475 x 775 mm	700 x 490 x 330 mm	31
BT50-24	920 x 475 x 775 mm	700 x 490 x 330 mm	32
HSK63-24	920 x 475 x 775 mm	700 x 490 x 330 mm	31

Tool Holder Stand 刀架 (刀柄座)



Size	Cabinet Size	Packing Size	Wt (kg)
BT30-TS12	495 x 240 x 150 mm	525 x 270 x 180 mm	3.4
BT40-TS12	495 x 240 x 150 mm	525 x 270 x 180 mm	3.5
BT50-TS8	495 x 240 x 150 mm	525 x 270 x 180 mm	3.6
HSK63-TS8	495 x 240 x 150 mm	525 x 270 x 180 mm	3.5

Tool Holder Cabinet

刀具柜



Size	Cabinet Size	Packing Size	Wt (kg)
BT40-TE54	650 x 405 x 1545 mm	680 x 435 x 1575 mm	53
BT40-TE54	650 x 405 x 1545 mm	680 x 435 x 1575 mm	54
BT50-TE36	650 x 405 x 1545 mm	680 x 435 x 1575 mm	55
HSK63-TE36	650 x 405 x 1545 mm	680 x 435 x 1575 mm	54

Tool Holder Trolley

(带抽屉) 刀具车



Size	Cabinet Size	Packing Size	Wt (kg)
BT30-TH54	600 x 600 x 915 mm	630 x 630 x 945 mm	63
BT40-TH54	600 x 600 x 915 mm	630 x 630 x 945 mm	64
BT50-TH36	600 x 600 x 915 mm	630 x 630 x 945 mm	65
HSK63-TH36	600 x 600 x 915 mm	630 x 630 x 945 mm	64

Tool Holder Trolley (带抽屉) 刀具车



Size	Cabinet Size	Packing Size	Wt (kg)
BT30-TL24	600 x 600 x 915 mm	630 x 630 x 945 mm	52
BT40-TL24	600 x 600 x 915 mm	630 x 630 x 945 mm	53
BT50-TL16	600 x 600 x 915 mm	630 x 630 x 945 mm	54
HSK63-TL16	600 x 600 x 915 mm	630 x 630 x 945 mm	53

Tool Holder Trolley (带抽屉) 刀具车



Size	Cabinet Size	Packing Size	Wt (kg)
BT30-TD54	600 x 600 x 1015 mm	630 x 630 x 1045 mm	72
BT40-TD54	600 x 600 x 1015 mm	630 x 630 x 1045 mm	73
BT50-TD36	600 x 600 x 1015 mm	630 x 630 x 1045 mm	74
HSK63-TD36	600 x 600 x 1015 mm	630 x 630 x 1045 mm	73

Tool Holder Cleaning Device

除锈机



Size	Taper	Base Unit	Brush Head	Brush Head D	Reduction Qty
TCD-30	BT/SK/CAT30	TCD-BU	TCD-30-BH	50	2
TCD-40	BT/SK/CAT40	TCD-BU	TCD-40-BH	63.55	2
TCD-50	BT/SK/CAT50	TCD-BU	TCD-50-BH	100	3
TCD-HSK50	HSK50	TCD-BU	TCD-HSK50-BH	50	-
TCD-HSK63	HSK63	TCD-BU	TCD-HSK63-BH	63	-
TCD-HSK100	HSK100	TCD-BU	TCD-HSK100-BH	100	-

All tool holders use the same base unit, only to change the brush head for different tapers.
Included reduction rings to be used with the brush head for toolholders according different taper standards.

- TCD-30: two reduction rings, one for SK30 tool holders, the other one for BT30 and CAT30.
- TCD-40: two reduction rings, one for BT40 tool holders, the other one for SK40 and CAT40.
- TCD-50: three reduction rings for BT50, SK50 and CAT50 tool holders.
- HSK cleaning devices are used for Form A/C/D/E/F, without reductions.

刀柄清洁器底座通用，根据锥柄不同选配不同的清洁刷装置。
随附的转换环与不同锥柄的清洁刷装置一起使用。

- TCD-30: 随附两个转换环，一个供 SK30 使用，另一个 BT30 和 CAT30 通用。
- TCD-40: 随附两个转换环，一个供 BT40 使用，另一个 SK40 和 CAT40 通用。
- TCD-50: 随附三个转换环，分别用于 BT50, SK50 和 CAT50。
- HSK 系列清洁器不配转换环，适用类型 A/C/D/E/F。

MACHINING SPECIAL



Customer Solutions
客户解决方案



Machining Capabilities

CNC TURNING SERVICES SPECIFICATIONS

Machines	CNC Lathes
Runout	0.001 mm
Max Part Dia.	400 mm
Max Part Length	650 mm
Machine Fixturing	Three-jaw chuck; Four-jaw chuck

CNC MILLING SERVICES SPECIFICATIONS

Machines	Machining Centers
Runout	0.001 mm
CNC Max Part Length	800 mm
CNC Max Part Width	500 mm
CNC Max Part Depth	500 mm

GRINDING SERVICES SPECIFICATIONS

Machines	Cylindrical, Internal and Surface Grinding Machines
Cylindrical Grinding Machine Runout	0.001 mm
Cylindrical Grinding Max Part Dia.	200 mm
Cylindrical Grinding Max Part Length	1000 mm
Internal Grinding Machine Runout	0.001 mm
Internal Grinding Max Part Dia.	100 mm
Internal Grinding Max Part Length	500 mm
Internal Grinding Max Part Depth	150 mm
Surface Grinding Machine Runout	0.005 mm
Surface Grinding Max Part Length	400 mm
Surface Grinding Max Part Width	250 mm
Surface Grinding Max Part Height	400 mm

SECONDARY SERVICES OFFERED

Heat Treatment	Engineers are capable of designing heat treatment cycles for Annealing, Normalizing, Hardening, tempering, carburizing, etc.
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Surface Treatment

Blackening; Plating; Sandblasting, etc.



Main Manufacturing Procedure	主要加工步骤
• Drilling	● 钻
• Turning	● 车
• Milling	● 铣
• Grinding	● 磨
• Heat Treatment	● 热处理
• Surface Treatment	● 表面处理
• Assembling	● 组装
• Packing	● 包装

CNC Machining Service Procedures

机械加工下单流程

CNC Machining Service Procedures	
INQUIRY	Detailed information are required for quotation as company details, drawings, order quantity, delivery time, etc.
QUOTATION	Calculate the cost and quote.
ADVANCE PAYMENT	Make PI for payment after received purchaser order.
MANUFACTURING	Redraw and assign manufacturing tasks; quality control during the whole process.
FINAL Q.C.	Final quality inspection according to C=0 AQL=4%
BALANCE PAYMENT	Balance Payment is required before shipment.
PACKING & SHIPPING	Pack and ship according to customers' requirements.
DOCUMENTS & LOGISTICS	Provide shipping documents after shipment.