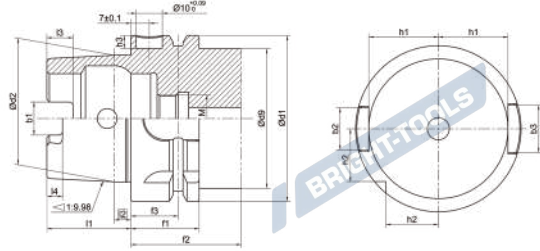
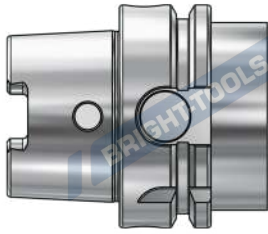


TOOL HOLDERS

HSK-A

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

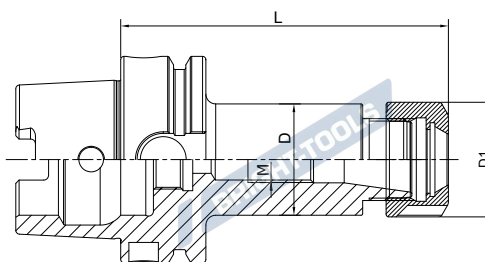
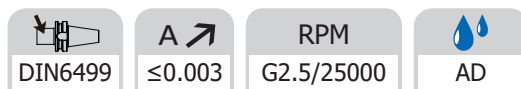
HSK-A 工具系统目录

ER Collet Chuck.....	G.04
ER 弹簧夹头刀柄	
Power Milling Chuck.....	G.09
强力铣刀柄	
OZ Collet Chuck.....	G.11
OZ 夹头刀柄	
SKS Collet Chuck.....	G.11
SKS 高速筒夹刀柄	
TG Collet Chuck	G.12
TG 超强力刀柄	
Precision Screw Collet Chuck.....	G.13
DC后拉刀柄	
Pull Back Collet Chuck	G.14
NDC后拉刀柄	
Face Mill Holder.....	G.15
面铣刀柄	
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带螺纹孔莫氏刀柄	
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APU 钻夹头刀柄	
Precision Drill Chuck Holder.....	G.28
精密钻夹头刀柄	
Quick Change Tapping Chuck.....	G.29
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Screw-in Milling Cutter Holder	G.30
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Alignment Tool for ATC Arm	G.36
调整机械用手用组合模具	


HSK

ER Collet Chuck with UM Nut

ER 弹簧夹头刀柄

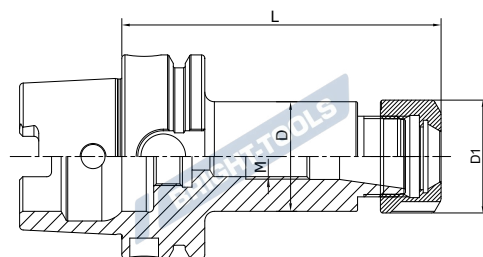
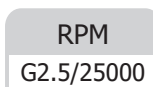
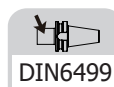


Size	D	D1	L	M	Capacity
HSK32A-ER16UM-80	25	32	80	M10	1-10
HSK32A-ER20UM-80	25	35	80	M14*1.5	1-13
HSK32A-ER25-80	25	42	80	M14*1.5	2-16
HSK40A-ER16UM-80	28	32	80	M10	1-10
HSK40A-ER20UM-80	33	35	80	M14*1.5	1-13
HSK40A-ER25-80	32	42	80	M18*1.5	2-16
HSK40A-ER32-80	33	50	80	-	3-20
HSK50A-ER16UM-80	28	32	80	M10	1-10
HSK50A-ER20UM-80	34	35	80	M14*1.5	1-13
HSK50A-ER25-80	32	42	80	M18*1.5	2-16
HSK50A-ER32-100	40	50	100	M22*1.5	3-20
HSK63A-ER16UM-75	28	32	75	M10	1-10
HSK63A-ER20UM-75	34	35	75	M10	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	M10	1-10
HSK63A-ER20UM-100	34	35	100	M14*1.5	1-13
HSK63A-ER25-100	42	42	100	M18*1.5	2-16
HSK63A-ER32-100	50	50	100	M22*1.5	3-20
HSK63A-ER40-100	50	63	100	M10	4-26
HSK63A-ER16UM-120	28	32	120	M10	1-10
HSK63A-ER20UM-120	34	35	120	M14*1.5	1-13
HSK63A-ER25-120	42	42	120	M18*1.5	2-16
HSK63A-ER32-120	50	50	120	M22*1.5	3-20
HSK63A-ER40-120	50	63	120	M28*1.5	4-26

HSK

ER Collet Chuck with UM Nut

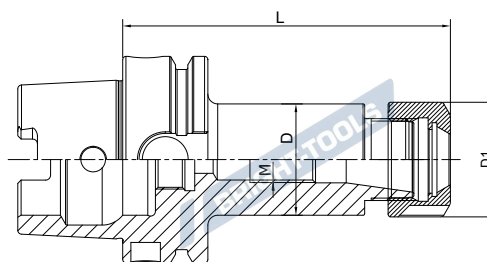
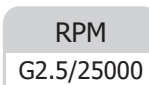
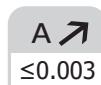
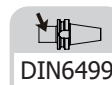
ER 弹簧夹头刀柄



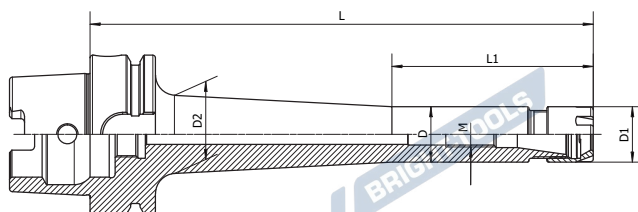
Size	D	D1	L	M	Capacity
HSK63A-ER20UM-160	34	35	160	M14*1.5	1-13
HSK63A-ER25-160	42	42	160	M18*1.5	2-16
HSK63A-ER32-160	50	50	160	M22*1.5	3-20
HSK63A-ER40-160	50	63	160	M28*1.5	4-26
HSK63A-ER20UM-200	34	35	200	M14*1.5	1-13
HSK63A-ER25-200	42	42	200	M18*1.5	2-16
HSK63A-ER32-200	50	50	200	M22*1.5	3-20
HSK63A-ER40-200	50	63	200	M28*1.5	4-26
HSK80A-ER16UM-100	28	32	100	M10	1-10
HSK80A-ER20UM-100	34	35	100	M14*1.5	1-13
HSK80A-ER25-100	42	42	100	M18*1.5	2-16
HSK80A-ER32-100	50	50	100	M12	3-20
HSK80A-ER40-120	50	63	120	M28*1.5	4-26
HSK100A-ER16UM-100	28	32	100	M10	1-10
HSK100A-ER20UM-100	34	35	100	M14*1.5	1-13
HSK100A-ER25-100	42	42	100	M18*1.5	2-16
HSK100A-ER32-100	50	50	100	M14*1.5	3-20
HSK100A-ER40-100	63	63	100	-	4-26
HSK100A-ER50-120	64	78	120	-	6-34
HSK100A-ER16UM-120	28	32	120	M10	1-10
HSK100A-ER20UM-120	34	35	120	M14*1.5	1-13
HSK100A-ER25-120	42	42	120	M18*1.5	2-16
HSK100A-ER32-120	50	50	120	M22*1.5	3-20
HSK100A-ER40-120	63	63	120	M28*1.5	4-26
HSK100A-ER20UM-160	34	35	160	M14*1.5	1-13
HSK100A-ER25-160	42	42	160	M18*1.5	2-16
HSK100A-ER32-160	50	50	160	M22*1.5	3-20
HSK100A-ER40-160	63	63	160	M28*1.5	4-26

ER Collet Chuck with UM Nut

ER 弹簧夹头刀柄



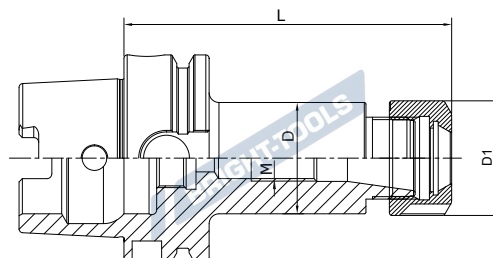
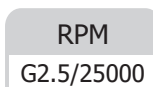
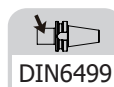
Size	D	D1	L	M	Capacity
HSK100A-ER20UM-200	34	35	200	M14*1.5	1-13
HSK100A-ER25-200	42	42	200	M18*1.5	2-16
HSK100A-ER32-200	50	50	200	M22*1.5	3-20
HSK100A-ER40-200	63	63	200	M28*1.5	4-26
HSK100A-ER25-250	42	42	250	M18*1.5	2-16
HSK100A-ER32-250	50	50	250	M22*1.5	3-20
HSK100A-ER40-250	63	63	250	M28*1.5	4-26
HSK100A-ER25-300	42	42	300	M18*1.5	2-16
HSK100A-ER32-300	50	50	300	M22*1.5	3-20
HSK100A-ER40-300	63	63	300	M28*1.5	4-26
HSK125A-ER40-120	63	63	120	M28*1.5	4-26



Size	D	D1	D2	L	L1	α	M	Capacity
HSK63A-ER16UM-160T	28	32	32.75	160	70	2.5	M10	1-10
HSK63A-ER16UM-200T	28	32	36.31	200	90	3	M10	1-10
HSK100A-ER16UM-160T	28	32	37.88	160	70	5	M10	1-10
HSK100A-ER16UM-200T	28	32	44.65	200	80	5.5	M10	1-10

ER Collet Chuck with Hex Nut

ER 弹簧夹头刀柄



Size	D	D1	L	M	Capacity
HSK32A-ER16-80	25	28	80	M10	1-10
HSK32A-ER20-80	25	34	80	M14*1.5	1-13
HSK40A-ER16-80	28	28	80	M10	1-10
HSK40A-ER20-80	33	34	80	M14*1.5	1-13
HSK50A-ER16-80	28	28	80	M10	1-10
HSK50A-ER20-80	34	34	80	M14*1.5	1-13
HSK63A-ER16-75	28	28	75	M10	1-10
HSK63A-ER20-75	34	34	75	M10	1-13
HSK63A-ER16-100	28	28	100	M10	1-10
HSK63A-ER20-100	34	34	100	M14*1.5	1-13
HSK63A-ER16-120	28	28	120	M10	1-10
HSK63A-ER20-120	34	34	120	M14*1.5	1-13
HSK63A-ER20-160	34	34	160	M14*1.5	1-13
HSK63A-ER20-200	34	34	200	M14*1.5	1-13
HSK80A-ER16-100	28	28	100	M10	1-10
HSK80A-ER20-100	34	34	100	M14*1.5	1-13
HSK100A-ER16-100	28	28	100	M10	1-10
HSK100A-ER20-100	34	34	100	M14*1.5	1-13
HSK100A-ER16-120	28	28	120	M10	1-10
HSK100A-ER20-120	34	34	120	M14*1.5	1-13
HSK100A-ER20-160	34	34	160	M14*1.5	1-13
HSK100A-ER20-200	34	34	200	M14*1.5	1-13

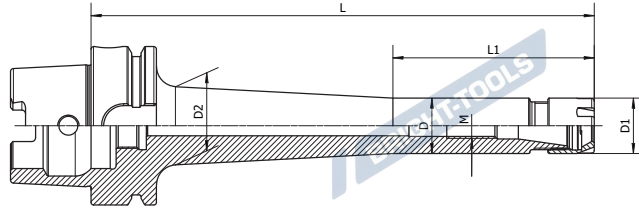
ER Collet Chuck with Hex Nut

ER 弹簧夹头刀柄


DIN6499


 ≤ 0.003

RPM
G2.5/25000


AD


Size	D	D1	D2	L	L1	α	M	Capacity
HSK63A-ER16A-160T	28	28	32.75	160	70	2.5	M10	1-10
HSK63A-ER16-200T	28	28	36.31	200	90	3	M10	1-10
HSK100A-ER16A-160T	28	28	37.88	160	70	5	M10	1-10
HSK100A-ER16A-200T	28	28	44.65	200	80	5.5	M10	1-10

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

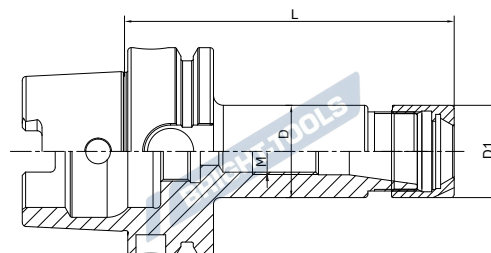
BRIGHT-TOOLS

ER Collet Chuck with Mini Nut

ER 弹簧夹头刀柄



			
DIN6499	≤ 0.003	RPM G2.5/25000	AD



Size	D	D1	L	M	Capacity
HSK32A-ER11M-50	16	16	50	-	1-7
HSK32A-ER16M-50	22	22	50	-	1-10
HSK32A-ER20M-50	24	28	50	-	1-13
HSK40A-ER11M-45	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	M6	1-7
HSK50A-ER16M-60	22	22	60	-	1-10
HSK50A-ER20M-60	28	28	60	-	1-13
HSK63A-ER11M-100	16	16	100	M6	1-7
HSK63A-ER16M-100	22	22	100	M10	1-10
HSK63A-ER20M-100	28	28	100	M14*1.5	1-13
HSK63A-ER25M-100	35	35	100	M18*1.5	2-16
HSK63A-ER20M-160	28	28	160	M14*1.5	1-13
HSK63A-ER25M-160	35	35	160	M18*1.5	2-16
HSK100A-ER16M-100	22	22	100	M10	1-10
HSK100A-ER20M-100	28	28	100	M14*1.5	1-13
HSK100A-ER25M-100	35	35	100	M18*1.5	2-16
HSK100A-ER20M-160	28	28	160	M14*1.5	1-13
HSK100A-ER25M-160	35	35	160	M18*1.5	2-16

HSK

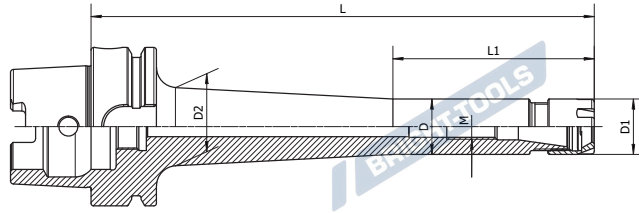
ER Collet Chuck with Hex Nut

ER 弹簧夹头刀柄


DIN6499


 ≤ 0.003

RPM
G2.5/25000


AD


Size	D	D1	D2	L	L1	α	M	Capacity
HSK63A-ER11M-130T	16	16	24.65	130	50	5	M6	1-7
HSK63A-ER11M-160T	16	16	25.92	160	70	5	M6	1-7
HSK63A-ER16M-130T	22	22	28.9	130	60	5	M10	1-10
HSK63A-ER16M-160T	22	22	32.4	160	70	5	M10	1-10
HSK100A-ER16M-160T	22	22	27.93	160	65	3	M10	1-10

BRIGHT-TOOLS

BRIGHT-TOOLS

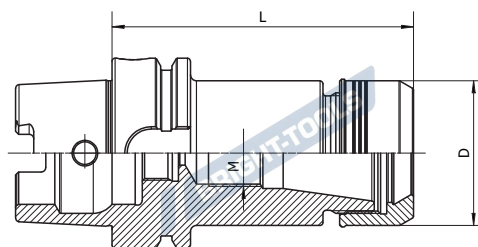
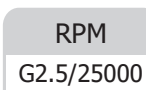
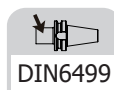
BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

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



Size	D	L	M	Capacity
HSK63A-GER16-100	27	100	M10	1-10
HSK63A-GER16-160	27	160	M10	1-10
HSK63A-GER20-100	30	100	M14*1.5	1-13
HSK63A-GER20-160	30	160	M14*1.5	1-13
HSK63A-GER25-100	40	100	M18*1.5	2-16
HSK63A-GER25-160	40	160	M18*1.5	2-16
HSK63A-GER32-100	48	100	M22*1.5	2-20
HSK63A-GER32-160	48	160	M22*1.5	2-20
HSK100A-GER16-100	27	100	M10	1-10
HSK100A-GER16-160	27	160	M10	1-10
HSK100A-GER20-100	30	100	M14*1.5	1-13
HSK100A-GER20-160	30	160	M14*1.5	1-13
HSK100A-GER25-100	40	100	M18*1.5	2-16
HSK100A-GER25-160	40	160	M18*1.5	2-16
HSK100A-GER32-100	48	100	M14*1.5	2-20
HSK100A-GER32-160	48	160	M22*1.5	2-20

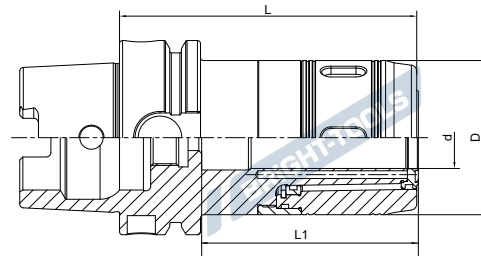
HSK

Power Milling Chuck

强力铣刀柄

A ↗
≤0.008

AD



Size	d	D	L	L1	Capacity
HSK63A-HC20-100	20	50	100	73	3-16; 20
HSK63A-HC25-100	25	59	100	73	3-20; 25
HSK63A-HC32-120	32	72	120	77	3-25; 32
HSK100A-HC20-105	20	50	105	73	3-16; 20
HSK100A-HC25-105	25	59	105	73	3-20; 25
HSK100A-HC32-120	32	72	120	77	3-25; 32
HSK100A-HC32-165	32	72	165	77	3-25; 32
HSK100A-HC32-200	32	72	200	77	3-25; 32

HSK

Power Milling Chuck 强力铣刀柄

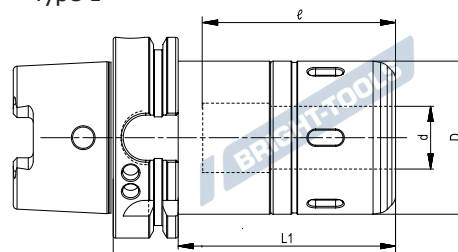
NEW

A ↗
≤0.005

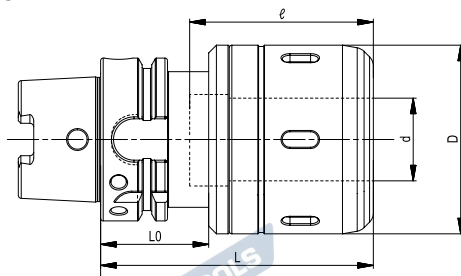
AD



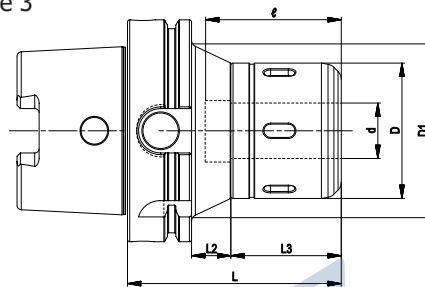
Type 1



Type 2



Type 3



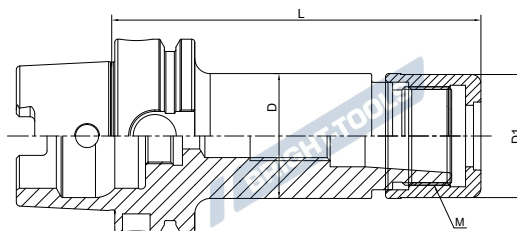
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HSK63A-CT16SA-90	1	16	45	-	90	64	-	-	60	-	M8
HSK63A-CT20SA-90	1	20	52	-	90	64	-	-	60	-	M8
HSK63A-CT25SA-105	2	25	61	-	105	-	-	-	75	42	M8
HSK63A-CT32SA-105	2	32	73	-	105	-	-	-	75	42	M8
HSK63A-CT32SA-120	2	32	73	-	120	-	-	-	90	42	M8
HSK100A-CT16SA-90	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

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
HSK63A-SKS10-90	27.5	27	90	2-10	M21.5*1
HSK63A-SKS16-90	40.6	40	90	3-16	M32*1.5
HSK63A-SKS10-120	27.5	27	120	2-10	M21.5*1
HSK63A-SKS16-120	40.6	40	120	3-16	M32*1.5
HSK100A-SKS10-90	27.5	27	90	2-10	M21.5*1
HSK100A-SKS16-90	40.6	40	90	3-16	M32*1.5
HSK100A-SKS10-120	27.5	27	120	2-10	M21.5*1
HSK100A-SKS16-120	40.6	40	120	3-16	M32*1.5

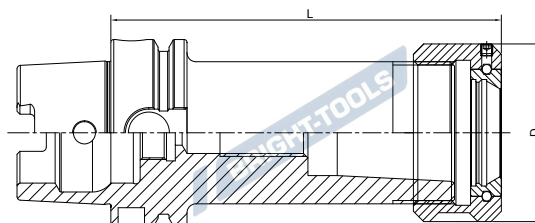
HSK

OZ Collet Chuck

OZ 夹头刀柄



 DIN6391	 A $\sqrt{\text{Ra}}$ ≤ 0.005	 RPM G2.5/25000	 AD
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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

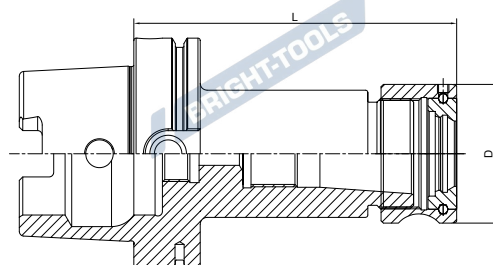
HSK

TG Collet Chuck

TG 超强力刀柄



 A $\sqrt{\text{Ra}}$ ≤ 0.005	 AD
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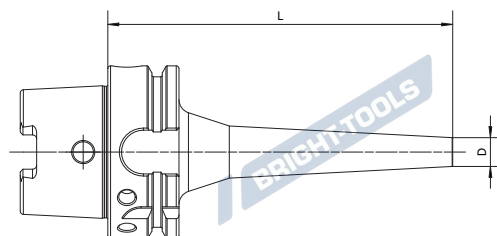


Size	D	L	Collet	Capacity
HSK50A-TG75-110	50	110	TG 75	2-20
HSK63A-TG75-120	50	120	TG 75	2-20
HSK63A-TG100-130	60	130	TG 100	3-25
HSK100A-TG75-120	50	120	TG 100	3-20
HSK100A-TG100-130	60	130	TG 100	3-25

Pull Back Collet Chuck

DC 后拉刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD



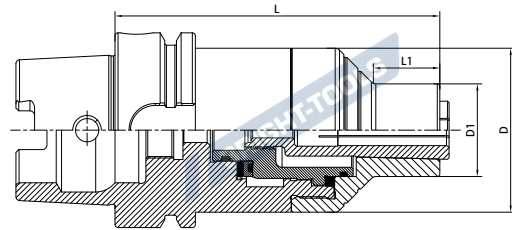
Size	D	D1	L	Capacity
HSK63A-DC06-60	14	20.1	60	1-6
HSK63A-DC06-90	14	20.1	90	1-6
HSK63A-DC06-120	14	23.3	120	1-6
HSK63A-DC06-150	14	26.2	150	1-6
HSK63A-DC08-60	22	29.2	60	1-10
HSK63A-DC08-90	22	29.2	90	1-10
HSK63A-DC08-100	22	29.2	100	1-10
HSK63A-DC08-120	22	31.3	120	1-10
HSK63A-DC08-150	22	34.4	150	1-10
HSK63A-DC08-200	22	29.2	200	1-10
HSK63A-DC12-90	32	38.1	90	1-12
HSK63A-DC12-120	32	41.3	120	1-12
HSK63A-DC12-150	32	44.4	150	1-12
HSK63A-DC12-200	32	44.4	200	1-12
HSK100A-DC06-90	14	39	90	1-6
HSK100A-DC06-110	14	39	110	1-6
HSK100A-DC06-120	14	42.1	120	
HSK100A-DC06-150	14	45.3	150	1-6
HSK100A-DC08-110	22	30.7	110	1-10
HSK100A-DC08-120	22	30.7	120	
HSK100A-DC08-150	22	33.9	150	1-10
HSK100A-DC08-200	22	30.7	200	1-10
HSK100A-DC12-100	32	38.6	100	
HSK100A-DC12-120	32	40.7	120	1-12
HSK100A-DC12-150	32	43.9	150	1-12
HSK100A-DC12-200	32	43.9	200	1-12

HSK

Precision Screw Collet Chuck

NDC 后拉刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD



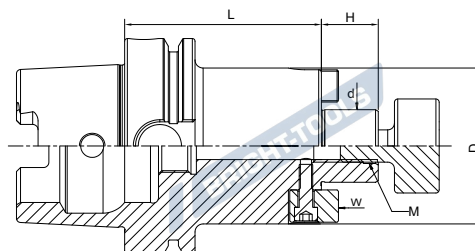
Size	D	D1	L	L1
HSK63A-NDC14-105	53	30	105	21.5
HSK63A-NDC14-150	53	30	150	66.5
HSK63A-NDC14-180	53	30	180	88
HSK63A-NDC20-105	53	40	105	26.5
HSK63A-NDC20-150	53	40	150	66.7
HSK63A-NDC20-180	53	40	180	96.7
HSK63A-NDC32-145	63	63	145	119
HSK100A-NDC20-110	63	40	110	22
HSK100A-NDC20-155	63	40	155	66.6
HSK100A-NDC20-185	63	40	185	96.6
HSK100A-NDC32-145	70	70	145	116

Face Mill Holder Inch

英制面铣刀柄



A ↗ ≤0.005	RPM G2.5/25000	AD
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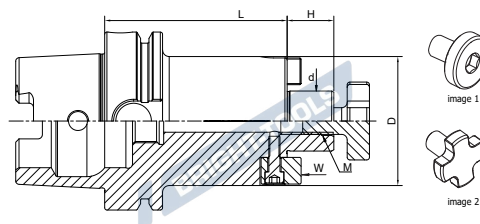
Size	d	D	H	L	M	W
HSK63A-FMA3/4"-50	3/4"	44.45	17.45	50	3/8-24	7.93
HSK63A-FMA1"-60	1"	57.15	17.45	60	1/2-20	9.525
HSK63A-FMA1-1/4"-60	1-1/4"	69.85	17.45	60	5/8-18	12.7
HSK63A-FMA1-1/2"-60	1-1/2"	78	23.83	60	3/4-16	15.875
HSK63A-FMA3/4"-100	3/4"	44.45	17.45	100	3/8-24	7.93
HSK63A-FMA1"-100	1"	57.15	17.45	100	1/2-20	9.525
HSK63A-FMA1-1/4"-100	1-1/4"	69.85	17.45	100	5/8-18	12.7
HSK63A-FMA1-1/2"-100	1-1/2"	78	23.83	100	3/4-16	15.875
HSK63A-FMA3/4"-160	3/4"	44.45	17.45	160	3/8-24	7.93
HSK63A-FMA1"-160	1"	57.15	17.45	160	1/2-20	9.525
HSK63A-FMA1-1/4"-160	1-1/4"	69.85	17.45	160	5/8-18	12.7
HSK63A-FMA1-1/2"-160	1-1/2"	78	23.83	160	3/4-16	15.875
HSK100A-FMA3/4"-50	3/4"	44.45	17.45	50	3/8-24	7.93
HSK100A-FMA1"-50	1"	57.15	17.45	50	1/2-20	9.525
HSK100A-FMA1-1/4"-60	1-1/4"	69.85	17.45	60	5/8-18	12.7
HSK100A-FMA1-1/2"-60	1-1/2"	78	23.83	60	3/4-16	15.875
HSK100A-FMA3/4"-100	3/4"	44.45	17.45	100	3/8-24	7.93
HSK100A-FMA1"-100	1"	57.15	17.45	100	1/2-20	9.525
HSK100A-FMA1-1/4"-100	1-1/4"	69.85	17.45	100	5/8-18	12.7
HSK100A-FMA1-1/2"-100	1-1/2"	78	23.83	100	3/4-16	15.875
HSK100A-FMA3/4"-160	3/4"	44.45	17.45	160	3/8-24	7.93
HSK100A-FMA1"-160	1"	57.15	17.45	160	1/2-20	9.525
HSK100A-FMA1-1/4"-160	1-1/4"	69.85	17.45	160	5/8-18	12.7
HSK100A-FMA1-1/2"-160	1-1/2"	78	23.83	160	3/4-16	15.875
HSK125A-FMA3/4"-2-60	3/4"	44.45	17.45	60	3/8-24	7.93
HSK125A-FMA1"-60	1"	57.15	17.45	60	1/2-20	9.525
HSK125A-FMA1-1/2"-60	1-1/2"	78	23.83	60	3/4-16	15.875
HSK125A-FMA1"-100	1"	57.15	17.45	100	1/2-20	9.525
HSK125A-FMA1-1/4"-100	1-1/4"	69.85	17.45	100	5/8-18	12.7
HSK125A-FMA1-1/2"-100	1-1/2"	78	23.83	100	3/4-16	15.875
HSK125A-FMA2"-100	2"	124	-	100	-	-

Face Mill Holder

面铣刀柄



 DIN6357	 A $\nearrow$ ≤ 0.005	 RPM G2.5/25000	 AD
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Size	d	D	H	L	M	W
HSK50A-FMB16-50	16	38	17	50	M8	8
HSK50A-FMB22-60	22	48	19	60	M10	10
HSK50A-FMB27-60	27	58	21	60	M12	12
HSK50A-FMB32-60	32	78	24	60	M16	14
HSK63A-FMB16-50	16	38	17	50	M8	8
HSK63A-FMB22-50	22	48	19	50	M10	10
HSK63A-FMB27-60	27	58	21	60	M12	12
HSK63A-FMB32-60	32	78	24	60	M16	14
HSK63A-FMB16-100	16	38	17	100	M8	8
HSK63A-FMB22-100	22	48	19	100	M10	10
HSK63A-FMB27-100	27	58	21	100	M12	12
HSK63A-FMB32-100	32	78	24	100	M16	14
HSK63A-FMB16-160	16	38	17	160	M8	8
HSK63A-FMB22-160	22	48	19	160	M10	10
HSK63A-FMB27-160	27	58	21	160	M12	12
HSK63A-FMB32-160	32	78	24	160	M16	14
HSK63A-FMB16-200	16	38	17	200	M8	8
HSK63A-FMB22-200	22	48	19	200	M10	10
HSK63A-FMB27-200	27	58	21	200	M12	12
HSK63A-FMB32-200	32	78	24	200	M16	14
HSK80A-FMB22-50	22	48	19	50	M10	10
HSK80A-FMB27-50	27	58	21	50	M12	12
HSK80A-FMB32-60	32	78	24	60	M16	14

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).

AD/B Customized

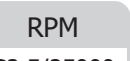
AD/B 可定制

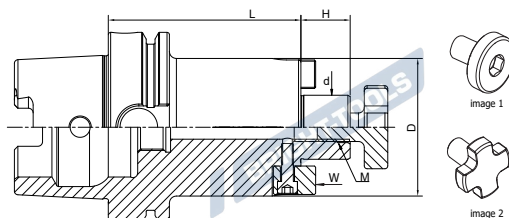
HSK

Face Mill Holder

面铣刀柄



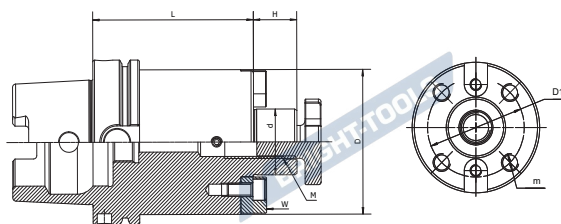
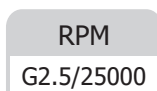
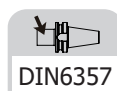
 DIN6357	 A ≤ 0.003	 RPM G2.5/25000	 AD
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Size	d	D	H	L	M	W
HSK100A-FMB16-50	16	38	17	50	M8	8
HSK100A-FMB22-50	22	48	19	50	M10	10
HSK100A-FMB27-50	27	58	21	50	M12	12
HSK100A-FMB32-60	32	78	24	60	M16	14
HSK100A-FMB16-100	16	38	17	100	M8	8
HSK100A-FMB22-100	22	48	19	100	M10	10
HSK100A-FMB27-100	27	58	21	100	M12	12
HSK100A-FMB32-100	32	78	24	100	M16	14
HSK100A-FMB16-160	16	38	17	160	M8	8
HSK100A-FMB22-160	22	48	19	160	M10	10
HSK100A-FMB27-160	27	58	21	160	M12	12
HSK100A-FMB32-160	32	78	24	160	M16	14
HSK100A-FMB16-200	16	38	17	200	M8	8
HSK100A-FMB22-200	22	48	19	200	M10	10
HSK100A-FMB27-200	27	58	21	200	M12	12
HSK100A-FMB32-200	32	78	24	200	M16	14
HSK100A-FMB16-250	16	38	17	250	M8	8
HSK100A-FMB22-250	22	48	19	250	M10	10
HSK100A-FMB27-250	27	58	21	250	M12	12
HSK100A-FMB32-250	32	78	24	250	M16	14
HSK100A-FMB22-300	22	48	19	300	M10	10
HSK100A-FMB27-300	27	58	21	300	M12	12
HSK100A-FMB32-300	32	78	24	300	M16	14
HSK125A-FMB22-60	22	48	19	60	M10	10
HSK125A-FMB27-60	27	58	21	60	M12	12
HSK125A-FMB32-60	32	78	24	60	M16	14
HSK125A-FMB27-100	27	58	21	100	M12	14
HSK125A-FMB32-100	32	78	24	100	M16	12

Face Mill Holder

面铣刀柄



Size	d	D	D1	H	L	M	m	W
HSK63A-FMB40-60	40	88	66.7	27	60	M20	M12	16
HSK63A-FMB40-100	40	88	66.7	27	100	M20	M12	16
HSK63A-FMB40-160	40	88	66.7	27	160	M20	M12	16
HSK63A-FMB40-200	40	88	66.7	27	200	M20	M12	16
HSK80A-FMB40-60	40	88	66.7	27	60	M20	M12	16
HSK100A-FMB40-60	40	88	66.7	27	60	M20	M12	16
HSK100A-FMB60-70	60	129	101.6	25	70	M30	M16	25.4
HSK100A-FMB40-100	40	88	66.7	27	100	M20	M12	16
HSK100A-FMB40-160	40	88	66.7	27	160	M20	M12	16
HSK100A-FMB40-200	40	88	66.7	27	200	M20	M12	16
HSK100A-FMB40-250	40	88	66.7	27	250	M20	M12	16
HSK100A-FMB40-300	40	88	66.7	27	300	M20	M12	16
HSK125A-FMB40-60	40	88	66.7	27	60	M20	M12	16
HSK125A-FMB40-100	40	88	66.7	27	100	M20	M12	16

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

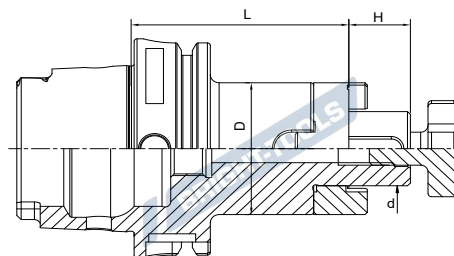
FMB40 刀柄中国市场面铣刀柄标配圆头螺钉 (图 1) , 其他国家标配十字花螺钉 (图 2).

Combi Shell Mill Holder

混合插入式铣刀柄

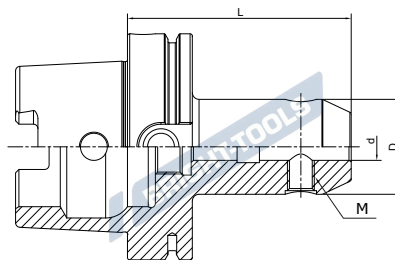


		RPM
DIN6358	≤0.005	G2.5/25000



Size	d	D	L	H
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

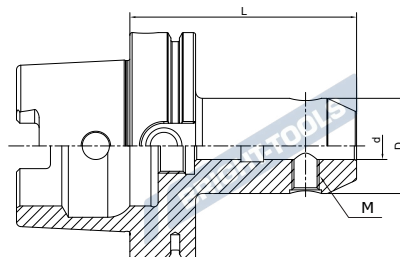
End Mill Holder Weldon 侧固刀柄



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	65	110	M18*2	2
HSK50A-SLA32-110	32	72	110	M20*2	2
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	M14	1
HSK63A-SLA18-100	18	50	100	M14	1
HSK63A-SLA20-100	20	52	100	M16	1

HSK

End Mill Holder Weldon 侧固刀柄

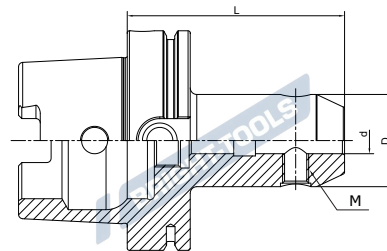


Size	d	D	L	M	Screw Quantity
HSK63A-SLA06-160	6	25	160	M6	1
HSK63A-SLA08-160	8	28	160	M8	1
HSK63A-SLA10-160	10	35	160	M10	1
HSK63A-SLA12-160	12	42	160	M12	1
HSK63A-SLA14-160	14	44	160	M12	1
HSK63A-SLA16-160	16	48	160	M14	1
HSK63A-SLA18-160	18	50	160	M14	1
HSK63A-SLA20-160	20	52	160	M16	1
HSK63A-SLA25-160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

End Mill Holder Weldon 侧固刀柄



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



Size	d	D	L	M	Screw Quantity
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
HSK125A-SLA10-80	10	35	80	M10	1
HSK125A-SLA12-80	12	42	80	M12	1
HSK125A-SLA14-80	14	44	80	M12	1
HSK125A-SLA16-100	16	48	100	M14	1
HSK125A-SLA20-100	20	52	100	M16	1
HSK125A-SLA25-100	25	65	100	M18*2	2
HSK125A-SLA32-100	32	72	100	M20*2	2
HSK125A-SLA40-105	40	80	105	M20*2	2
HSK125A-SLA50-130	50	100	130	M24*2	2

HSK

End Mill Holder with Coolant Channels

侧固刀柄，端面出水型



DIN6359/1835B



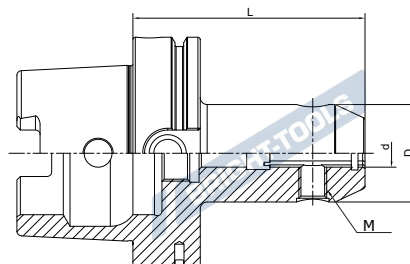
≤0.005

RPM

G2.5/25000



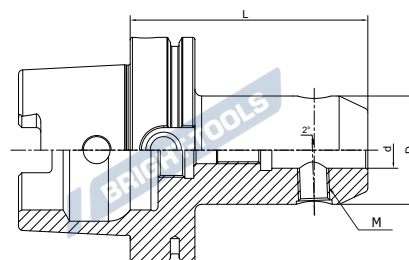
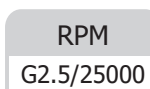
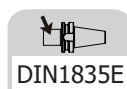
AD



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

End Mill Holder Whistle Notch

侧固式铣刀柄, 斜 2 度

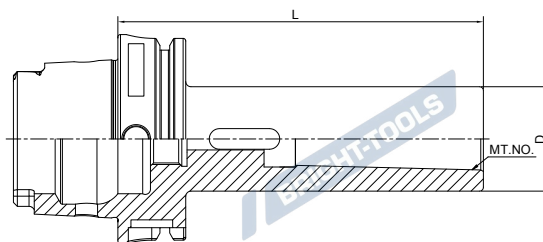
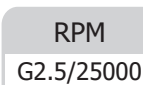
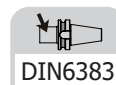


Size	d	D	L	M	Screw Quantity
HSK63A-SLB06-80	6	25	80	M6	1
HSK63A-SLB08-80	8	28	80	M8	1
HSK63A-SLB10-80	10	35	80	M10	1
HSK63A-SLB12-90	12	42	90	M12	1
HSK63A-SLB14-90	14	44	90	M12	1
HSK63A-SLB16-100	16	48	100	M14	1
HSK63A-SLB18-100	18	50	100	M14	1
HSK63A-SLB20-100	20	52	100	M16	1
HSK63A-SLB25-110	25	65	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
HSK125A-SLB20-120	20	52	120	M16	1
HSK125A-SLB25-130	25	65	130	M18*2	2
HSK125A-SLB32-130	32	72	130	M20*2	2

HSK

Morse Taper Adapter with Tang

带扁尾莫氏刀柄

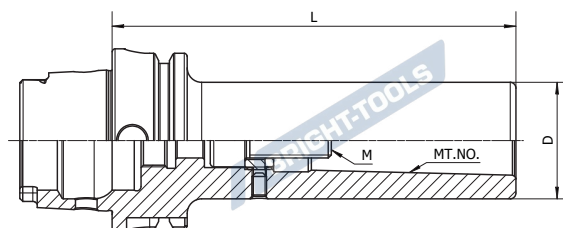
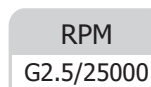
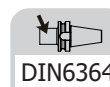


Size	MT. NO.	D	L
HSK50A-MTA1-100	1	25	100
HSK50A-MTA2-120	2	32	120
HSK50A-MTA3-140	3	40	140
HSK63A-MTA1-100	1	25	100
HSK63A-MTA2-120	2	32	120
HSK63A-MTA3-140	3	40	140
HSK63A-MTA4-160	4	48	160
HSK80A-MTA1-110	1	25	110
HSK80A-MTA2-120	2	32	120
HSK80A-MTA3-140	3	40	140
HSK80A-MTA4-160	4	48	160
HSK100A-MTA1-110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

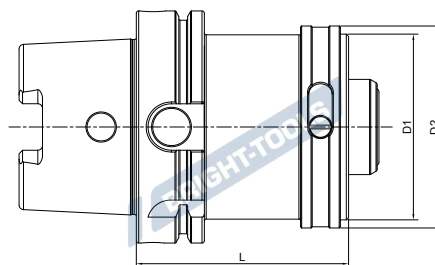


Size	MT. NO.	D	L	M
HSK50A-MTB1-100	1	25	100	M6
HSK50A-MTB2-120	2	32	120	M10
HSK50A-MTB3-140	3	40	140	M12
HSK63A-MTB1-100	1	25	100	M6
HSK63A-MTB2-120	2	32	120	M10
HSK63A-MTB3-140	3	40	140	M12
HSK63A-MTB4-160	4	48	160	M16
HSK80A-MTB1-110	1	25	110	M6
HSK80A-MTB2-120	2	32	120	M10
HSK80A-MTB3-150	3	40	150	M12
HSK80A-MTB4-170	4	48	170	M16
HSK100A-MTB1-110	1	25	110	M6
HSK100A-MTB2-120	2	32	120	M10
HSK100A-MTB3-150	3	40	150	M12
HSK100A-MTB4-170	4	48	170	M16
HSK100A-MTB5-200	5	63	200	M20

HSK

Tool Holder Adapter Sleeve

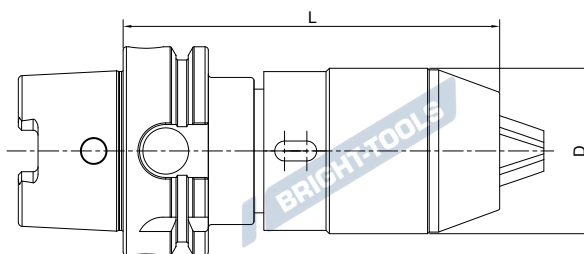
转换刀柄



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	32	37	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
HSK125A-HSK63C-100	63	70	100

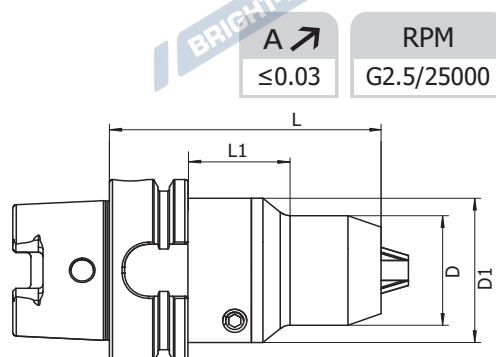
HSK

APU Drill Chuck Holder APU 钻夹头刀柄



Size	D	L	Capacity
HSK63A-APU13-130	50	130	1-13
HSK63A-APU16-140	54.5	140	3-16
HSK100A-APU13-140	50	140	1-13
HSK100A-APU16-150	54.5	150	3-16

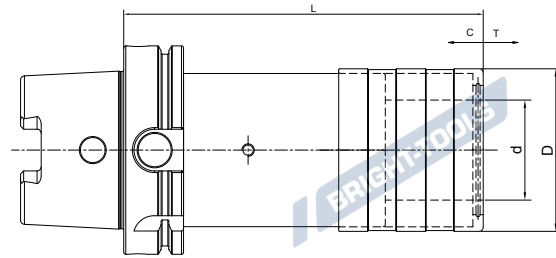
Precision Drill Chuck Holder 精密钻夹头刀柄



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

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	54	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	54	148	12.5	12.5
HSK100A-TC1433-210	48	78	210	22	22

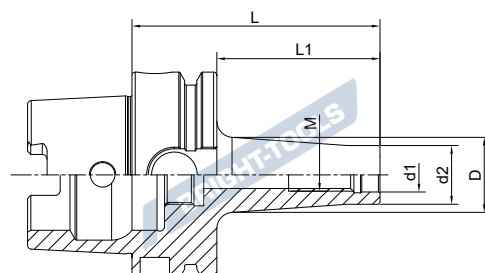
HSK

Screw-in Milling Cutter Holder

锁牙刀柄, 锥柄型



A ↗	RPM	AD
≤0.005	G2.5/25000	



Size	d1	d2	D	L	L1	M
HSK63A-SOM08-51 L=25	8.5	14.5	16	51	25	8
HSK63A-SOM08-76 L=50	8.5	14.5	21	76	50	8
HSK63A-SOM08-101 L=75	8.5	14.5	23	101	75	8
HSK63A-SOM10-51 L=25	10.5	18	20	51	25	10
HSK63A-SOM10-76 L=50	10.5	18	23	76	50	10
HSK63A-SOM10-126 L=100	10.5	18	32	126	100	10
HSK63A-SOM10-176 L=150	10.5	18	37	176	150	10
HSK63A-SOM12-51 L=25	12.5	21	20	51	25	12
HSK63A-SOM12-76 L=50	12.5	21	24	76	50	12
HSK63A-SOM12-101 L=75	12.5	21	31	101	75	12
HSK63A-SOM12-126 L=100	12.5	21	33	126	100	12
HSK63A-SOM12-176 L=150	12.5	21	40	176	150	12
HSK63A-SOM16-51 L=25	17	29	30	51	25	16
HSK63A-SOM16-76 L=50	17	29	34	76	50	16
HSK63A-SOM16-101 L=75	17	29	34	101	75	16
HSK63A-SOM16-126 L=100	17	29	36	126	100	16
HSK63A-SOM16-176 L=150	17	29	41	176	150	16
HSK100A-SOM08-79 L=50	8.5	14.5	26	79	50	8
HSK100A-SOM10-79 L=50	10.5	18	33	79	50	10
HSK100A-SOM10-129 L=100	10.5	18	32	129	100	10
HSK100A-SOM10-179 L=150	10.5	18	37	179	150	10
HSK100A-SOM12-79 L=50	12.5	21	30	79	50	12
HSK100A-SOM12-129 L=100	12.5	21	33	129	100	12
HSK100A-SOM12-179 L=150	12.5	21	40	179	150	12
HSK100A-SOM16-79 L=50	17	29	34	79	50	16
HSK100A-SOM16-129 L=100	17	29	36	129	100	16
HSK100A-SOM16-179 L=150	17	29	41	179	150	16

HSK

Screw-in Milling Cutter Holder

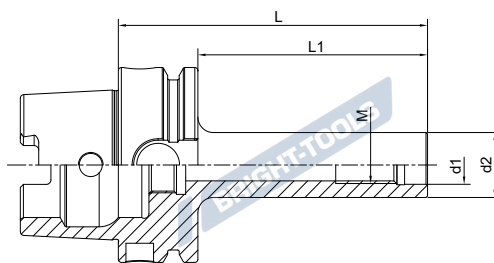
锁牙刀柄, 直柄型



A ↗
≤0.005

RPM
G2.5/25000

AD



Size	d1	d2	L	L1	M
HSK63A-M10-126 L=100	10.5	18	126	100	10
HSK63A-M10-176 L=150	10.5	18	176	150	10
HSK63A-M12-101 L=75	12.5	21	101	75	12
HSK63A-M12-126 L=100	12.5	21	126	100	12
HSK63A-M12-176 L=150	12.5	21	176	150	12
HSK63A-M16-101 L=75	17	29	101	75	16
HSK63A-M16-126 L=100	17	29	126	100	16
HSK63A-M16-176 L=150	17	29	176	150	16
HSK100A-M10-129 L=100	10.5	18	129	100	10
HSK100A-M10-179 L=150	10.5	18	179	150	10
HSK100A-M12-129 L=100	12.5	21	129	100	12
HSK100A-M12-179 L=150	12.5	21	179	150	12
HSK100A-M16-129 L=100	17	29	129	100	16
HSK100A-M16-179 L=150	17	29	179	150	16

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

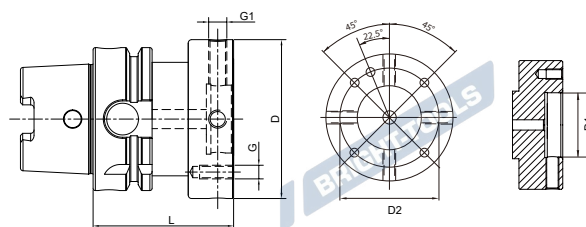
Runout Adjustable Flange Adapter

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
HSK125A-MOD060-55	125	60	30	44	55	M5	M8x1
HSK125A-MOD070-55	125	70	35	53	55	M6	M8x1
HSK125A-MOD080-55	125	80	40	63	55	M6	M8x1
HSK125A-MOD100-65	125	100	50	79	65	M8	M10x1
HSK125A-MOD117-65	125	117	60	96	65	M8	M10x1
HSK125A-MOD140-75	125	140	80	119	75	M10	M10x1
HSK160A-MOD060-55	160	60	30	44	55	M5	M8x1
HSK160A-MOD070-55	160	70	35	53	55	M6	M8x1
HSK160A-MOD080-55	160	80	40	63	55	M6	M8x1
HSK160A-MOD100-65	160	100	50	79	65	M8	M10x1
HSK160A-MOD117-65	160	117	60	96	65	M8	M10x1
HSK160A-MOD140-75	160	140	80	119	75	M10	M10x1

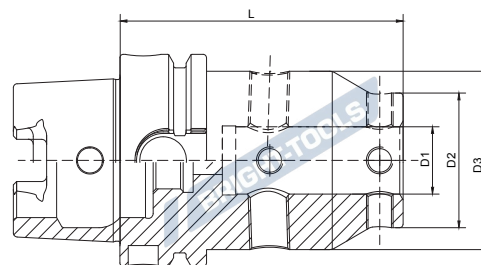
HSK

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

BRIGHT-TOOLS

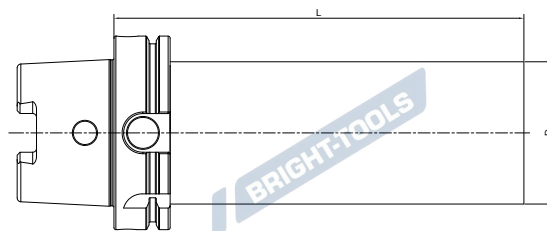
BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

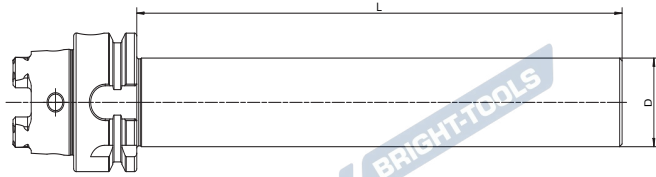
Boring Bar Blank

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.

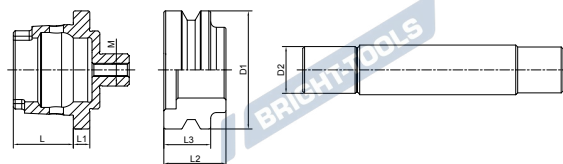
Test Arbor
主轴检测棒A ↗
≤0.002

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

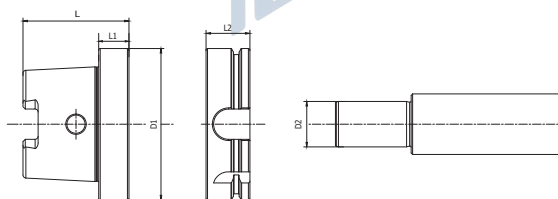
调整机械手用组合模具



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

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

TOOL HOLDERS

HSK-E

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

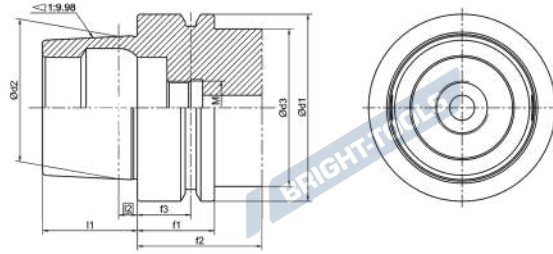
BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

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

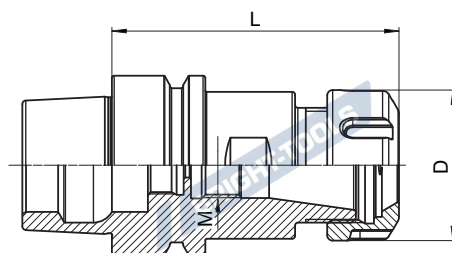
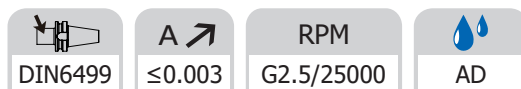
ER Collet Chuck.....	G.39
ER 弹簧夹头刀柄	
Face Mill Holder.....	G.41
面铣刀柄	
End Mill Holder.....	G.42
侧固刀柄	
Test Arbor.....	G.43
主轴检测棒	



HSK

ER Collet Chuck

ER 弹簧夹头刀柄

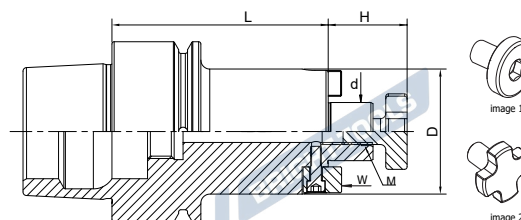
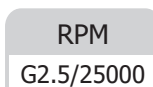
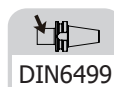


Size	D	L	M	Capacity
HSK32E-ER11M-60	16	60	M6	1-7
HSK32E-ER16M-60	22	60	-	1-10
HSK32E-ER20M-60	28	60	-	1-13
HSK32E-ER16A-60	28	60	-	1-10
HSK32E-ER20A-60	34	60	-	1-13
HSK40E-ER16A-60	28	60	-	1-10
HSK40E-ER20A-60	34	60	-	1-13
HSK40E-ER25-60	42	60	-	2-16
HSK40E-ER32-70	50	70	-	2-20
HSK50E-ER16A-80	28	80	M8	1-10
HSK50E-ER25-80	42	80	M18*1.5	2-16
HSK50E-ER32-85	50	85	-	2-20
HSK50E-ER40-100	63	100	M28*1.5	3-26
HSK63E-ER16A-75	28	75	M10	1-10
HSK63E-ER25-80	42	80	-	2-16
HSK63E-ER32-90	50	90	-	2-20
HSK63E-ER40-120	63	120	M28*1.5	3-26

HSK

Face Mill Holder

面铣刀柄

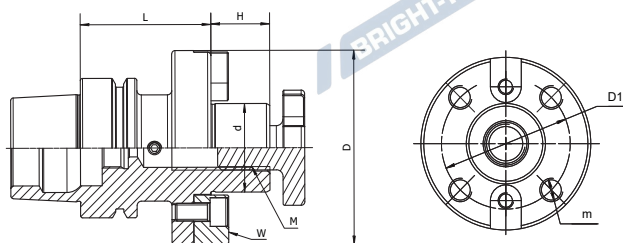
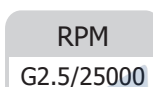
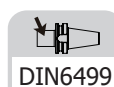


Size	d	D	L	H	M	W
HSK32E-FMB16-50	16	38	50	17	M8	8
HSK40E-FMB16-50	16	38	50	17	M8	8
HSK40E-FMB22-50	22	48	50	19	M10	10
HSK40E-FMB27-55	27	58	55	21	M12	12
HSK50E-FMB16-50	16	38	50	17	M8	8
HSK50E-FMB22-60	22	48	60	19	M10	10
HSK50E-FMB27-60	27	58	60	21	M12	12
HSK50E-FMB32-60	32	78	60	24	M16	14
HSK63E-FMB16-50	16	38	50	17	M8	8
HSK63E-FMB22-60	22	48	60	19	M10	10
HSK63E-FMB27-60	27	58	60	21	M12	12
HSK63E-FMB32-60	32	78	60	24	M16	14

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).

Face Mill Holder

面铣刀柄



Size	d	D	D1	L	H	M	m	W
HSK63E-FMB40-60	40	88	66.7	60	27	M20	M12	16

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

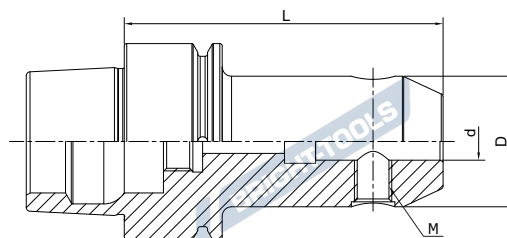
FMB40 刀柄中国市场的铣刀柄标配圆头螺钉 (图 1), 其他国家标配十字花螺钉 (图 2).

End Mill Holder Weldon

侧固刀柄



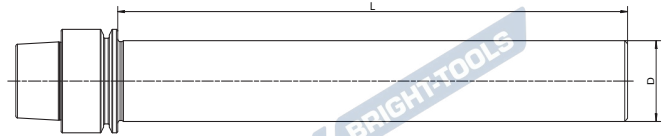
			
DIN6359/1835B	≤0.005	G2.5/25000	AD



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

Test Arbor 主轴检测棒

A ↗
≤0.002



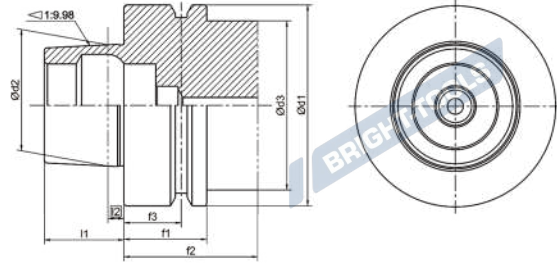
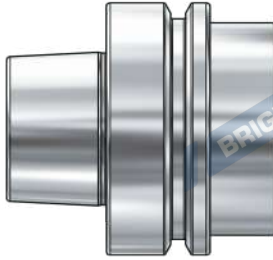
Size	D	L
HSK25E-20-150	20	150
HSK32E-25-180	25	180
HSK40E-25-180	25	180
HSK50E-32-200	32	200

TOOL HOLDERS

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

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

BRIGHT-TOOLS

HSK-F TOOLING SYSTEM HSK-F 工具系统目录

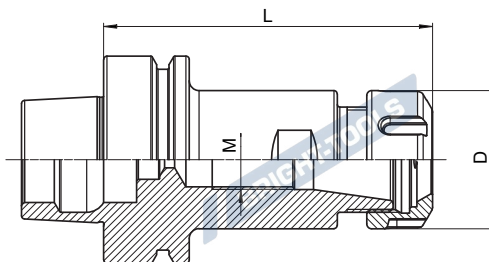
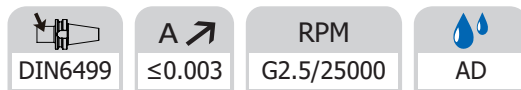
ER Collet Chuck.....	G.48
ER 弹簧夹头刀柄	
OZ Collet Chuck.....	G.48
OZ 夹头刀柄	
Face Mill Holder.....	G.49
面铣刀柄	
End Mill Holder.....	G.49
侧固刀柄	
Morse Taper Adapter	G.50
带扁尾莫氏刀柄	
Boring Bar Blank.....	G.50
基础柄	
Precision Drill Chuck Holder	G.51
精密钻夹头刀柄	
Test Arbor	G.51
主轴检测棒	



HSK

ER Collet Chuck

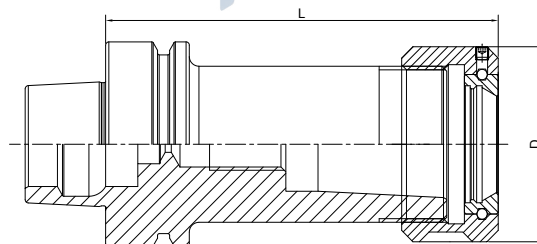
ER 弹簧夹头刀柄



Size	D	L	M	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	M10	1-10
HSK63F-ER25-100	42	100	M18*1.5	2-16
HSK63F-ER32-100	50	100	M22*1.5	2-20
HSK63F-ER40-100	63	100		3-26

OZ Collet Chuck

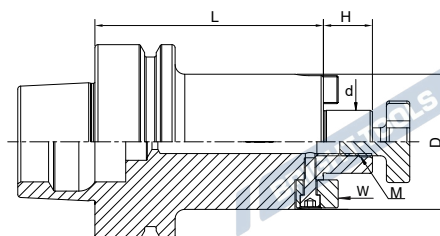
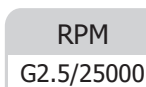
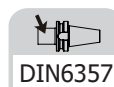
OZ 夹头刀柄



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

Face Mill Holder

面铣刀柄

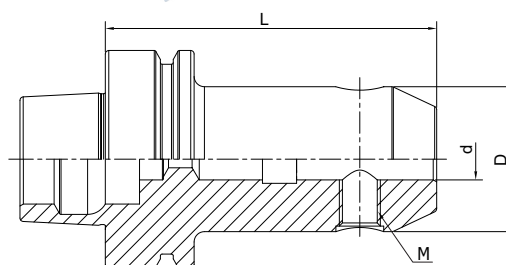
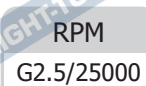
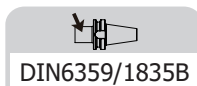


Size	d	D	L	H	M	W
HSK63F-FMB16-50	16	38	50	17	M8	8
HSK63F-FMB22-60	22	48	60	19	M10	10
HSK63F-FMB27-60	27	58	60	21	M12	12
HSK63F-FMB32-60	32	78	60	24	M16	14

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).

End Mill Holder Weldon

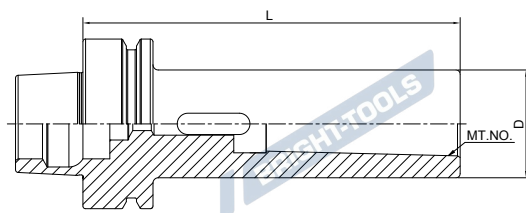
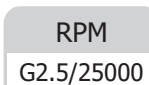
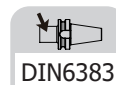
侧固刀柄



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

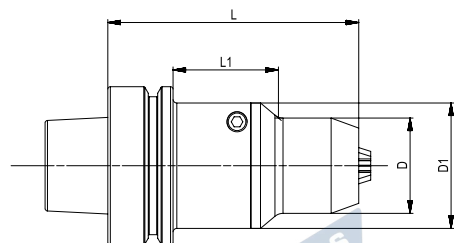
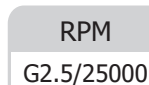


Size	MT.NO.	D	L
HSK63F-MTA1-100	1	25	100
HSK63F-MTA2-120	2	32	120
HSK63F-MTA3-140	3	40	140
HSK63F-MTA4-160	4	48	160

HSK

Precision Drill Chuck Holder

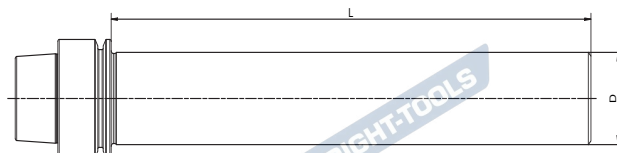
精密钻夹头刀柄



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

Boring Bar Blank

基础柄



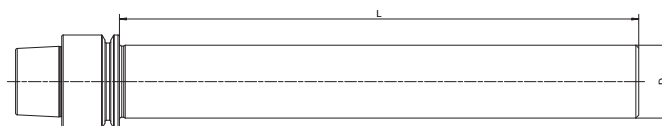
Size	D	L
HSK63F-D65-L160	65	160
HSK63F-D65-L250	65	250

Other sizes can be made by request.

HSK

Test Arbor

主轴检测棒



A ↗
≤0.002

Size	D	L
HSK63F-40-300	40	300