BRIGHT-TOOLS

CNC TOOLING SYSTEM

金杰数控刀具

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金杰数控刀具

BRIGHT-TOOLS Display

Certificates: ISO 9001, ISO 14001, ISO 45001;
Honors: Integrity Company, High-Tech Enterprises, Specialized New Enterprise, Engineering Technology Research Center;
Customers: Exporting to 60 countries, cooperating with global top brands.

证书：ISO 9001, ISO 14001, ISO 45001；
荣誉：诚信企业；专精特新企业；高新技术企业；工程技术研究中心；
营销网络：产品出口至 60 多个国家，与多家世界一线品牌合作。

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BRIGHT-TOOLS

SHRINK

TOOL HOLDERS

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

Loading
装刀

Set the Out Length or Insert depth
设定刀具留出长度或者装入长度

The mark is the minimum depth, and the depth must exceed the mark.
标记处为最低深入长度，装入长度一定要超过所做标记。

Unloading
卸刀

Leave a gap and install an anti-falling handle
留出间隔，安装防脱把手

Take it out and uninstall it.
拿出，卸载完成

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

SHRINK FIT 模具钢热缩

BT Shrink Fit Chuck, Standard, 4.5° A.06
BT 热缩刀柄，标准型
BBT Shrink Fit Chuck, Standard, 4.5° A.11
BBT 热缩刀柄，标准型
SK Shrink Fit Chuck, Standard, 4.5° A.14
SK 热缩刀柄，标准型
CAT Shrink Fit Chuck, Standard, 4.5° A.18
CAT 热缩刀柄，标准型
HSK-A Shrink Fit Chuck, Standard, 4.5° A.23
HSK-A 热缩刀柄，标准型
HSK-E Shrink Fit Chuck, Standard, 4.5° A.30
HSK-E 热缩刀柄，标准型
HSK-F Shrink Fit Chuck, Standard, 4.5° A.32
HSK-F 热缩刀柄，标准型
BT Shrink Fit Chuck, 4.5°, Coolant A.34
BT 热缩刀柄 , 端面出水型
BBT Shrink Fit Chuck, 4.5°, Coolant A.36
BBT 热缩刀柄 , 端面出水型
SK Shrink Fit Chuck, 4.5°, Coolant A.38
SK 热缩刀柄 , 端面出水型
CAT Shrink Fit Chuck, 4.5°, Coolant A.40
CAT 热缩刀柄 , 端面出水型
HSK Shrink Fit Chuck, 4.5°, Coolant A.45
HSK 热缩刀柄 , 端面出水型
MQL1 Shrink Fit Chuck A.50
微润滑单通道热缩刀柄
MQL2 Shrink Fit Chuck A.53
微润滑双通道热缩刀柄
BT Shrink Fit Chuck, Slim, 3° A.60
BT 热缩刀柄 3 度，细长型
SK Shrink Fit Chuck, Slim, 3° A.61
SK 热缩刀柄 3 度，细长型
CAT Shrink Fit Chuck, Slim, 3° A.62
CAT 热缩刀柄 3 度，细长型
HSK-A Shrink Fit Chuck, Slim, 3° A.63
HSK-A 热缩刀柄 3 度，细长型
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微润滑单通道长度调节螺钉
MQL2 Channel Length Setting Screws.....A.60
微润滑双通道长度调节螺钉
MQL1 Channel Coolant Supply Set.....A.77
微润滑单通道冷却导管
MQL2 Channel Coolant Supply Set.....A.78
微润滑双通道冷却导管

MODULAR SHRINK 分体热缩

BT Shrink Chuck Taper A.83
BT 分体热缩本体 , 标准型
SK Shrink Chuck Taper A.84
SK 分体热缩本体 , 标准型
HSK-A Shrink Chuck Taper A.85
HSK-A 分体热缩本体 , 标准型
HSK-E Shrink Chuck Taper A.86
HSK-E 分体热缩本体 , 标准型
HSK-F Shrink Chuck Taper A.87
HSK-F 分体热缩本体 , 标准型
BT Shrink Chuck Taper, Coooolant.....A.88
BT 分体热缩本体 , 端面出水型
SK Shrink Chuck Taper, Coooolant.....A.88
SK 分体热缩本体 , 端面出水型
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HSK 分体热缩本体 , 端面出水型
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分体热缩延长杆 , 标准型
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分体热缩延长杆 , 端面出水型
Shrink Chuck Set.....A.94
热缩刀柄套装

STAINLESS SHRINK 不锈钢热缩

BT Shrink Chuck, 3°, Slim, Form A.....A.97
BT 热缩刀柄 3 度，薄壁 A 型
HSK Shrink Chuck, 3°, Slim, Form A.....A.103
HSK 热缩刀柄 3 度，薄壁 A 型
BT Shrink Chuck, 3°, Slim, Form B.....A.114
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HSK Shrink Chuck, 3°, Slim, Form B.....A.122
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BT Shrink Chuck, 3°, Regular, Form A A.132
BT 热缩刀柄 3 度，标准 A 型
HSK Shrink Chuck, 3°, Regular, Form A A.136
HSK 热缩刀柄 3 度，标准 A 型
BT Shrink Chuck, 3°, Regular, Form B A.145
BT 热缩刀柄 3 度，标准 B 型
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HSK 热缩刀柄 3 度，标准 B 型
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BT 热缩刀柄 3 度，端面出水型
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HSK 热缩刀柄 3 度，端面出水型
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BT 热缩刀柄，曲线型
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SHRINK FIT MACHINES 热缩机

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热缩机，标准型
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热缩机，水冷型

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-SF03-80	03	15	20	80	58	-	-	-
BT30-SF04-80	04	15	20	80	58	-	-	-
BT30-SF05-80	05	15	20	80	58	-	-	-
BT30-SF06-80	06	21	27	80	58	36	10	M5
BT30-SF08-80	08	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	06	21	27	120	98	36	10	M5
BT30-SF08-120	08	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	03	15	20	80	53	-	-	-
BT40-SF04-80	04	15	20	80	53	-	-	-
BT40-SF05-80	05	15	20	80	53	-	-	-
BT40-SF06-90	06	21	27	90	63	36	10	M5
BT40-SF08-90	08	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	03	15	20	120	93	-	-	-
BT40-SF04-120	04	15	20	120	93	-	-	-
BT40-SF05-120	05	15	20	120	93	-	-	-
BT40-SF06-120	06	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	08	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	03	15	25	160	133	-	-	-
BT40-SF04-160	04	15	25	160	133	-	-	-
BT40-SF05-160	05	15	25	160	133	-	-	-
BT40-SF06-160	06	21	32	160	133	36	10	M5
BT40-SF08-160	08	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	06	21	32	200	173	36	10	M5
BT40-SF08-200	08	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	03	15	20	100	62	-	-	-
BT50-SF04-100	04	15	20	100	62	-	-	-
BT50-SF05-100	05	15	20	100	62	-	-	-
BT50-SF06-100	06	21	27	100	62	36	10	M5
BT50-SF08-100	08	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	03	15	20	120	82	-	-	-
BT50-SF04-120	04	15	20	120	82	-	-	-
BT50-SF05-120	05	15	20	120	82	-	-	-
BT50-SF06-120	06	21	27	120	82	36	10	M5
BT50-SF08-120	08	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 ↗	RPM	AD
≤0.003	G2.5/25000	

Size	d	D	D1	L	L2	L1	N	G
BT50-SF03-160	03	15	25	160	122	-	-	-
BT50-SF04-160	04	15	25	160	122	-	-	-
BT50-SF05-160	05	15	25	160	122	-	-	-
BT50-SF06-160	06	21	32	160	122	36	10	M5
BT50-SF08-160	08	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	06	21	32	200	162	36	10	M5
BT50-SF08-200	08	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	06	21	32	250	212	36	10	M5
BT50-SF08-250	08	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 ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
BBT40-SF03-80	03	15	20	80	53	-	-	-
BBT40-SF04-80	04	15	20	80	53	-	-	-
BBT40-SF05-80	05	15	20	80	53	-	-	-
BBT40-SF06-90	06	21	27	90	63	36	10	M5
BBT40-SF08-90	08	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	03	15	20	120	93	-	-	-
BBT40-SF04-120	04	15	20	120	93	-	-	-
BBT40-SF05-120	05	15	20	120	93	-	-	-
BBT40-SF06-120	06	21	27	120	93	36	10	M5
BBT40-SF08-120	08	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 ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
BBT40-SF03-160	03	15	25	160	133	-	-	-
BBT40-SF04-160	04	15	25	160	133	-	-	-
BBT40-SF05-160	05	15	25	160	133	-	-	-
BBT40-SF06-160	06	21	32	160	133	36	10	M5
BBT40-SF08-160	08	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	03	15	20	100	62	-	-	-
BBT50-SF04-100	04	15	20	100	62	-	-	-
BBT50-SF05-100	05	15	20	100	62	-	-	-
BBT50-SF06-100	06	21	27	100	62	36	10	M5
BBT50-SF08-100	08	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	03	15	20	120	82	-	-	-
BBT50-SF04-120	04	15	20	120	82	-	-	-
BBT50-SF05-120	05	15	20	120	82	-	-	-
BBT50-SF06-120	06	21	27	120	82	36	10	M5
BBT50-SF08-120	08	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	03	15	25	160	122	-	-	-
BBT50-SF04-160	04	15	25	160	122	-	-	-
BBT50-SF05-160	05	15	25	160	122	-	-	-
BBT50-SF06-160	06	21	32	160	122	36	10	M5
BBT50-SF08-160	08	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	03	15	20	80	60.9	-	-	-
SK30-SF04-80	04	15	20	80	60.9	-	-	-
SK30-SF05-80	05	15	20	80	60.9	-	-	-
SK30-SF06-80	06	21	27	80	60.9	36	10	M5
SK30-SF08-80	08	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	03	15	20	120	100.9	-	-	-
SK30-SF04-120	04	15	20	120	100.9	-	-	-
SK30-SF05-120	05	15	20	120	100.9	-	-	-
SK30-SF06-120	06	21	27	120	100.9	36	10	M5
SK30-SF08-120	08	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	03	15	20	80	60.9	-	-	-
SK40-SF04-80	04	15	20	80	60.9	-	-	-
SK40-SF05-80	05	15	20	80	60.9	-	-	-
SK40-SF06-80	06	21	27	80	60.9	36	10	M5
SK40-SF08-80	08	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 ↗	RPM	
≤0.003	G2.5/25000	AD/B

Size	d	D	D1	L	L2	L1	N	G
SK40-SF03-120	03	15	20	120	100.9	-	-	-
SK40-SF04-120	04	15	20	120	100.9	-	-	-
SK40-SF05-120	05	15	20	120	100.9	-	-	-
SK40-SF06-120	06	21	27	120	100.9	36	10	M5
SK40-SF08-120	08	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	03	15	20	160	140.9	-	-	-
SK40-SF04-160	04	15	20	160	140.9	-	-	-
SK40-SF05-160	05	15	20	160	140.9	-	-	-
SK40-SF06-160	06	21	32	160	140.9	36	10	M5
SK40-SF08-160	08	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	06	21	32	200	180.9	36	10	M5
SK40-SF08-200	08	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	06	21	27	80	60.9	36	10	M5
SK50-SF08-80	08	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 ↗	RPM	AD/B
≤0.003	G2.5/25000	

Size	d	D	D1	L	L2	L1	N	G
SK50-SF06-120	06	21	27	120	100.9	36	10	M5
SK50-SF08-120	08	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	06	21	32	160	140.9	36	10	M5
SK50-SF08-160	08	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	06	21	32	200	180.9	36	10	M5
SK50-SF08-200	08	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	03	15	20	80	60.9	-	-	-
CAT40-SF04-80	04	15	20	80	60.9	-	-	-
CAT40-SF05-80	05	15	20	80	60.9	-	-	-
CAT40-SF06-80	06	21	27	80	60.9	36	10	M5
CAT40-SF08-80	08	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	06	21	27	120	100.9	36	10	M5
CAT40-SF08-120	08	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	06	21	32	160	140.9	36	10	M5
CAT40-SF08-160	08	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 ↗	RPM	AD
≤0.003	G2.5/25000	

Size	d	D	D1	L	L2	L1	N	G
CAT40-SF06-200	06	21	32	200	180.9	36	10	M5
CAT40-SF08-200	08	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	06	21	27	80	60.9	36	10	M5
CAT50-SF08-80	08	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	06	21	27	120	100.9	36	10	M5
CAT50-SF08-120	08	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 ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
CAT50-SF06-160	06	21	32	160	140.9	36	10	M5
CAT50-SF08-160	08	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	06	21	32	200	180.9	36	10	M5
CAT50-SF08-200	08	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 ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
HSK32A-SF03-65	03	15	20	65	45	-	-	-
HSK32A-SF04-65	04	15	20	65	45	-	-	-
HSK32A-SF05-65	05	15	20	65	45	-	-	-
HSK32A-SF06-75	06	21	26	75	55	36	10	M5
HSK32A-SF08-75	08	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	03	15	20	60	40	-	-	-
HSK40A-SF04-60	04	15	20	60	40	-	-	-
HSK40A-SF05-60	05	15	20	60	40	-	-	-
HSK40A-SF06-80	06	21	27	80	60	36	10	M5
HSK40A-SF08-80	08	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	03	15	20	80	54	-	-	-
HSK50A-SF04-80	04	15	20	80	54	-	-	-
HSK50A-SF05-80	05	15	20	80	54	-	-	-
HSK50A-SF06-80	06	21	27	80	54	36	10	M5
HSK50A-SF08-80	08	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 ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
HSK63A-SF03-80	03	15	20	80	54	-	-	-
HSK63A-SF04-80	04	15	20	80	54	-	-	-
HSK63A-SF05-80	05	15	20	80	54	-	-	-
HSK63A-SF06-80	06	21	26.5	80	54	36	10	M5
HSK63A-SF08-80	08	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	03	15	20	120	94	-	-	-
HSK63A-SF04-120	04	15	20	120	94	-	-	-
HSK63A-SF05-120	05	15	20	120	94	-	-	-
HSK63A-SF06-120	06	21	27	120	94	36	10	M5
HSK63A-SF08-120	08	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 ↗	RPM	AD
≤0.003	G2.5/25000	

Size	d	D	D1	L	L2	L1	N	G
HSK63A-SF03-160	03	15	25	160	134	-	-	-
HSK63A-SF04-160	04	15	25	160	134	-	-	-
HSK63A-SF05-160	05	15	25	160	134	-	-	-
HSK63A-SF06-160	06	21	32	160	134	36	10	M5
HSK63A-SF08-160	08	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	06	21	32	200	174	36	10	M5
HSK63A-SF08-200	08	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	06	21	32	250	224	36	10	M5
HSK63A-SF08-250	08	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	06	21	32	300	274	36	10	M5
HSK63A-SF08-300	08	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	06	21	27	85	59	36	10	M5
HSK80A-SF08-85	08	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	03	15	20	85	56	-	-	-
HSK100A-SF04-85	04	15	20	85	56	-	-	-
HSK100A-SF05-85	05	15	20	85	56	-	-	-
HSK100A-SF06-85	06	21	26.5	85	56	36	10	M5
HSK100A-SF08-85	08	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 ↗	RPM	AD
≤0.003	G2.5/25000	

Size	d	D	D1	L	L2	L1	N	G
HSK100A-SF06-120	06	21	27	120	91	36	10	M5
HSK100A-SF08-120	08	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	06	21	32	160	131	36	10	M5
HSK100A-SF08-160	08	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	06	21	32	200	171	36	10	M5
HSK100A-SF08-200	08	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 ↗	RPM	AD
≤0.003	G2.5/25000	

Size	d	D	D1	L	L2	L1	N	G
HSK100A-SF06-250	06	21	32	250	221	36	10	M5
HSK100A-SF08-250	08	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	06	21	32	300	271	36	10	M5
HSK100A-SF08-300	08	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
HSK125A-SF32-120	32	44	60	120	91	51	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	AD
≤0.003	G2.5/25000	

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
HSK125A-SF3/4-4.72"	0.750"	1.30"	1.65"	4.72"	3.58"	1.61"	10	M16x1
HSK125A-SF1-4.72"	1.000"	1.73"	2.09"	4.72"	3.58"	1.85"	10	M16x1
HSK125A-SF1-1/4-4.72"	1.250"	1.73"	2.09"	4.72"	3.58"	2"	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
HSK25E-SF06-50	06	15	19	50	40	36	5	M5
HSK32E-SF03-60	03	15	20	60	40	-	-	-
HSK32E-SF04-60	04	15	20	60	40	-	-	-
HSK32E-SF05-60	05	15	20	60	40	-	-	-
HSK32E-SF06-70	06	20	26	70	50	36	10	M5
HSK32E-SF08-70	08	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	03	15	20	60	40	-	-	-
HSK40E-SF04-60	04	15	20	60	40	-	-	-
HSK40E-SF05-60	05	15	20	60	40	-	-	-
HSK40E-SF06-65	06	21	27	65	45	36	10	M5
HSK40E-SF08-65	08	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	03	15	20	80	60	-	-	-
HSK40E-SF04-80	04	15	20	80	60	-	-	-
HSK40E-SF05-80	05	15	20	80	60	-	-	-
HSK40E-SF06-80	06	21	27	80	60	36	10	M5
HSK40E-SF08-80	08	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	03	15	20	120	100	-	-	-
HSK40E-SF04-120	04	15	20	120	100	-	-	-
HSK40E-SF05-120	05	15	20	120	100	-	-	-
HSK40E-SF06-120	06	21	27	120	100	36	10	M5
HSK40E-SF08-120	08	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	03	15	20	80	54	-	-	-
HSK50E-SF04-80	04	15	20	80	54	-	-	-
HSK50E-SF05-80	05	15	20	80	54	-	-	-
HSK50E-SF06-80	06	21	27	80	54	36	10	M5
HSK50E-SF08-80	08	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	06	21	27	90	64	36	10	M5
HSK63E-SF08-90	08	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	💧
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
HSK40F-SF03-60	03	15	20	60	40	-	-	-
HSK40F-SF04-60	04	15	20	60	40	-	-	-
HSK40F-SF05-60	05	15	20	60	40	-	-	-
HSK40F-SF06-65	06	21	27	65	45	36	5	M5
HSK40F-SF08-65	08	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	06	21	27	80	60	36	10	M5
HSK40F-SF08-80	08	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	03	15	20	90	64	-	-	-
HSK63F-SF04-90	04	15	20	90	54	-	-	-
HSK63F-SF05-90	05	15	20	90	54	-	-	-
HSK63F-SF06-90	06	21	27	90	64	36	10	M5
HSK63F-SF08-90	08	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	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
HSK63F-SF03-120	03	15	20	120	94	-	-	-
HSK63F-SF04-120	04	15	20	120	94	-	-	-
HSK63F-SF05-120	05	15	20	120	94	-	-	-
HSK63F-SF06-120	06	21	27	120	94	36	10	M5
HSK63F-SF08-120	08	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	03	15	27	160	134	-	-	-
HSK63F-SF04-160	04	15	27	160	134	-	-	-
HSK63F-SF05-160	05	15	27	160	134	-	-	-
HSK63F-SF06-160	06	21	32	160	134	36	10	M5
HSK63F-SF08-160	08	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 x1
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 ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
BT40-SF03-80K	03	15	20	80	53	-	-	-
BT40-SF04-80K	04	15	20	80	53	-	-	-
BT40-SF05-80K	05	15	20	80	53	-	-	-
BT40-SF06-90K	06	21	27	90	63	36	10	M5
BT40-SF08-90K	08	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	06	21	27	120	93	36	10	M5
BT40-SF08-120K	08	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	06	21	32	160	133	36	10	M5
BT40-SF08-160K	08	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 ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
BT50-SF06-100K	06	21	27	100	62	36	10	M5
BT50-SF08-100K	08	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	06	21	27	120	82	36	10	M5
BT50-SF08-120K	08	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	06	21	32	160	122	36	10	M5
BT50-SF08-160K	08	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 ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
BBT40-SF03-80K	03	15	20	80	53	-	-	-
BBT40-SF04-80K	04	15	20	80	53	-	-	-
BBT40-SF05-80K	05	15	20	80	53	-	-	-
BBT40-SF06-90K	06	21	27	90	63	36	10	M5
BBT40-SF08-90K	08	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	06	21	27	120	93	36	10	M5
BBT40-SF08-120K	08	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	06	21	32	160	133	36	10	M5
BBT40-SF08-160K	08	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	06	21	27	100	62	36	10	M5
BBT50-SF08-100K	08	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	06	21	27	120	82	36	10	M5
BBT50-SF08-120K	08	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	06	21	32	160	122	36	10	M5
BBT50-SF08-160K	08	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	AD/B
≤0.003	G2.5/25000	

Size	d	D	D1	L	L2	L1	N	G
SK40-SF03-80K	03	15	20	80	60.9	-	-	-
SK40-SF04-80K	04	15	20	80	60.9	-	-	-
SK40-SF05-80K	05	15	20	80	60.9	-	-	-
SK40-SF06-80K	06	21	27	80	60.9	36	10	M5
SK40-SF08-80K	08	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	06	21	27	120	100.9	36	10	M5
SK40-SF08-120K	08	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	06	21	32	160	140.9	36	10	M5
SK40-SF08-160K	08	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	AD
≤0.003	G2.5/25000	

Size	d	D	D1	L	L2	L1	N	G
SK50-SF06-80K	06	21	27	80	60.9	36	10	M5
SK50-SF08-80K	08	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	06	21	27	120	100.9	36	10	M5
SK50-SF08-120K	08	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	06	21	32	160	140.9	36	10	M5
SK50-SF08-160K	08	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	AD
≤0.003	G2.5/25000	

Size	d	D	D1	L	L2	L1	N	G
CAT40-SF03-80K	03	15	20	80	60.9	-	-	-
CAT40-SF04-80K	04	15	20	80	60.9	-	-	-
CAT40-SF05-80K	05	15	20	80	60.9	-	-	-
CAT40-SF06-80K	06	21	27	80	60.9	36	10	M5
CAT40-SF08-80K	08	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	06	21	27	120	100.9	36	10	M5
CAT40-SF08-120K	08	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	06	21	32	160	140.9	36	10	M5
CAT40-SF08-160K	08	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 ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
CAT50-SF06-80K	06	21	27	80	60.9	36	10	M5
CAT50-SF08-80K	08	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	06	21	27	120	100.9	36	10	M5
CAT50-SF08-120K	08	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

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-SF06-160K	06	21	32	160	140.9	36	10	M5
CAT50-SF08-160K	08	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	06	21	32	200	180.9	36	10	M5
CAT50-SF08-200K	08	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 ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
HSK63A-SF03-80K	03	15	20	80	54	-	-	-
HSK63A-SF04-80K	04	15	20	80	54	-	-	-
HSK63A-SF05-80K	05	15	20	80	54	-	-	-
HSK63A-SF06-80K	06	21	26.5	80	54	36	10	M5
HSK63A-SF08-80K	08	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	03	15	20	120	94	-	-	-
HSK63A-SF04-120K	04	15	20	120	94	-	-	-
HSK63A-SF05-120K	05	15	20	120	94	-	-	-
HSK63A-SF06-120K	06	21	27	120	94	36	10	M5
HSK63A-SF08-120K	08	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	03	15	25	160	134	-	-	-
HSK63A-SF04-160K	04	15	25	160	134	-	-	-
HSK63A-SF05-160K	05	15	25	160	134	-	-	-
HSK63A-SF06-160K	06	21	32	160	134	36	10	M5
HSK63A-SF08-160K	08	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	06	21	26.5	85	56	36	10	M5
HSK100A-SF08-85K	08	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

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L2	L1	N	G
HSK100A-SF06-120K	06	21	27	120	91	36	10	M5
HSK100A-SF08-120K	08	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	06	21	32	160	131	36	10	M5
HSK100A-SF08-160K	08	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

MQL1 Channel Shrink Fit Chuck
微润滑单通道热缩刀柄

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	d	D	D1	L1	L2
HSK32A-SF06-80 MQL1	06	21	25.5	36	80
HSK32A-SF08-80 MQL1	08	21	25.5	36	80
HSK32A-SF10-85 MQL1	10	24	31.7	40	85
HSK32A-SF12-90 MQL1	12	24	32.3	45	90
HSK40A-SF06-80 MQL1	06	21	27	36	80
HSK40A-SF08-80 MQL1	08	21	27	36	80
HSK40A-SF10-80 MQL1	10	24	32	40	80
HSK40A-SF12-90 MQL1	12	24	32	45	90
HSK40A-SF14-90 MQL1	14	27	33.5	45	90
HSK40A-SF16-90 MQL1	16	27	33.5	48	90
HSK50A-SF06-80 MQL1	06	21	27	36	80
HSK50A-SF08-80 MQL1	08	21	27	36	80
HSK50A-SF10-80 MQL1	10	24	32	40	85
HSK50A-SF12-90 MQL1	12	24	32	45	90
HSK50A-SF14-90 MQL1	14	27	34	45	90
HSK50A-SF16-95 MQL1	16	27	34	48	95
HSK50A-SF18-95 MQL1	18	33	41.5	48	95
HSK50A-SF20-100 MQL1	20	33	41.5	50	100
HSK63A-SF06-80 MQL1	06	21	27	36	80
HSK63A-SF08-80 MQL1	08	21	27	36	80
HSK63A-SF10-85 MQL1	10	24	32	40	85
HSK63A-SF12-90 MQL1	12	24	32	45	90
HSK63A-SF14-90 MQL1	14	27	34	45	90
HSK63A-SF16-95 MQL1	16	27	34	48	95
HSK63A-SF18-95 MQL1	18	33	42	48	95
HSK63A-SF20-100 MQL1	20	33	42	50	100
HSK63A-SF25-115 MQL1	25	44	52.5	56	115
HSK63A-SF32-120 MQL1	32	44	52.5	60	120

MQL1 Channel Shrink Fit Chuck
微润滑单通道热缩刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L1	L2
HSK63A-SF06-120 MQL1	06	21	27	36	120
HSK63A-SF08-120 MQL1	08	21	27	36	120
HSK63A-SF10-120 MQL1	10	24	32	40	120
HSK63A-SF12-120 MQL1	12	24	32	45	120
HSK63A-SF14-120 MQL1	14	27	34	45	120
HSK63A-SF16-120 MQL1	16	27	34	48	120
HSK63A-SF18-120 MQL1	18	33	42	48	120
HSK63A-SF20-120 MQL1	20	33	42	50	120
HSK63A-SF06-160 MQL1	06	21	27	36	160
HSK63A-SF08-160 MQL1	08	21	27	36	160
HSK63A-SF10-160 MQL1	10	24	32	40	160
HSK63A-SF12-160 MQL1	12	24	32	45	160
HSK63A-SF14-160 MQL1	14	27	34	45	160
HSK63A-SF16-160 MQL1	16	27	34	48	160
HSK63A-SF18-160 MQL1	18	33	42	48	160
HSK63A-SF20-160 MQL1	20	33	42	50	160
HSK63A-SF25-160 MQL1	25	44	52.5	56	160
HSK63A-SF32-160 MQL1	32	44	52.5	60	160
HSK80A-SF06-85 MQL1	06	21	27	36	85
HSK80A-SF08-85 MQL1	08	21	27	36	85
HSK80A-SF10-90 MQL1	10	24	32	40	90
HSK80A-SF12-95 MQL1	12	24	32	45	95
HSK80A-SF14-95 MQL1	14	27	34	45	95
HSK80A-SF16-100 MQL1	16	27	34	48	100
HSK80A-SF18-100 MQL1	18	33	42	48	100
HSK80A-SF20-105 MQL1	20	33	42	50	105
HSK80A-SF25-115 MQL1	25	44	53	56	115
HSK80A-SF32-120 MQL1	32	44	53	60	120

MQL1 Channel Shrink Fit Chuck
微润滑单通道热缩刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L1	L2
HSK100A-SF06-85 MQL1	06	21	27	36	85
HSK100A-SF08-85 MQL1	08	21	27	36	85
HSK100A-SF10-90 MQL1	10	24	32	40	90
HSK100A-SF12-95 MQL1	12	24	32	45	95
HSK100A-SF14-95 MQL1	14	27	34	45	95
HSK100A-SF16-100 MQL1	16	27	34	48	100
HSK100A-SF18-100 MQL1	18	33	42	48	100
HSK100A-SF20-105 MQL1	20	33	42	50	105
HSK100A-SF25-115 MQL1	25	44	53	56	115
HSK100A-SF32-120 MQL1	32	44	53	60	120
HSK100A-SF06-160 MQL1	06	21	27	36	160
HSK100A-SF08-160 MQL1	08	21	27	36	160
HSK100A-SF10-160 MQL1	10	24	32	40	160
HSK100A-SF12-160 MQL1	12	24	32	45	160
HSK100A-SF14-160 MQL1	14	27	34	45	160
HSK100A-SF16-160 MQL1	16	27	34	48	160
HSK100A-SF18-160 MQL1	18	33	42	48	160
HSK100A-SF20-160 MQL1	20	33	42	50	160
HSK100A-SF25-160 MQL1	25	44	53	56	160
HSK100A-SF32-160 MQL1	32	44	53	60	160

MQL2 Channel Shrink fit Chuck
微润滑双通道热缩刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	A	D	D1	L1	L2
HSK32A-SF06-80-2.01 MQL2	06	2.01	21	25.5	36	80
HSK32A-SF06-80-4.15 MQL2	06	4.15	21	25.5	36	80
HSK32A-SF08-80-2.01 MQL2	08	2.01	21	25.5	36	80
HSK32A-SF08-80-4.15 MQL2	08	4.15	21	25.5	36	80
HSK32A-SF10-85-2.01 MQL2	10	2.01	24	31.7	40	85
HSK32A-SF10-85-4.15 MQL2	10	4.15	24	31.7	40	85
HSK32A-SF12-90-2.01 MQL2	12	2.01	24	32.3	45	90
HSK32A-SF12-90-4.15 MQL2	12	4.15	24	32.3	45	90
HSK40A-SF06-80-2.01 MQL2	06	2.01	21	27	36	80
HSK40A-SF06-80-4.15 MQL2	06	4.15	21	27	36	80
HSK40A-SF08-80-2.01 MQL2	08	2.01	21	27	36	80
HSK40A-SF08-80-4.15 MQL2	08	4.15	21	27	36	80
HSK40A-SF10-80-2.01 MQL2	10	2.01	24	32	40	80
HSK40A-SF10-80-4.15 MQL2	10	4.15	24	32	40	80
HSK40A-SF12-90-2.01 MQL2	12	2.01	24	32	45	90
HSK40A-SF12-90-4.15 MQL2	12	4.15	24	32	45	90
HSK40A-SF12-90-9.08 MQL2	12	9.08	24	32	45	90
HSK40A-SF14-90-2.01 MQL2	14	2.01	27	33.5	45	90
HSK40A-SF14-90-4.15 MQL2	14	4.15	27	33.5	45	90
HSK40A-SF14-90-9.08 MQL2	14	9.08	27	33.5	45	90
HSK40A-SF16-90-2.01 MQL2	16	2.01	27	33.5	48	90
HSK40A-SF16-90-4.15 MQL2	16	4.15	27	33.5	48	90
HSK40A-SF16-90-9.08 MQL2	16	9.08	27	33.5	48	90

MQL2 Channel Shrink Fit Chuck
微润滑双通道热缩刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	A	D	D1	L1	L2
HSK50A-SF06-80-2.01 MQL2	06	2.01	21	27	36	80
HSK50A-SF06-80-4.15 MQL2	06	4.15	21	27	36	80
HSK50A-SF08-80-2.01 MQL2	08	2.01	21	27	36	80
HSK50A-SF08-80-4.15 MQL2	08	4.15	21	27	36	80
HSK50A-SF10-85-2.01 MQL2	10	2.01	24	32	40	85
HSK50A-SF10-85-4.15 MQL2	10	4.15	24	32	40	85
HSK50A-SF12-90-2.01 MQL2	12	2.01	24	32	45	90
HSK50A-SF12-90-4.15 MQL2	12	4.15	24	32	45	90
HSK50A-SF12-90-9.08 MQL2	12	9.08	24	32	45	90
HSK50A-SF14-90-2.01 MQL2	14	2.01	27	34	45	90
HSK50A-SF14-90-4.15 MQL2	14	4.15	27	34	45	90
HSK50A-SF14-90-9.08 MQL2	14	9.08	27	34	45	90
HSK50A-SF16-95-2.01 MQL2	16	2.01	27	34	48	95
HSK50A-SF16-95-4.15 MQL2	16	4.15	27	34	48	95
HSK50A-SF16-95-9.08 MQL2	16	9.08	27	34	48	95
HSK50A-SF18-95-2.01 MQL2	18	2.01	33	41.5	48	95
HSK50A-SF18-95-4.15 MQL2	18	4.15	33	41.5	48	95
HSK50A-SF18-95-9.08 MQL2	18	9.08	33	41.5	48	95
HSK50A-SF20-100-4.15 MQL2	20	4.15	33	41.5	50	100
HSK50A-SF20-100-9.08 MQL2	20	9.08	33	41.5	50	100
HSK50A-SF20-100-16.62 MQL2	20	16.62	33	41.5	50	100
HSK63A-SF06-80-2.01 MQL2	06	2.01	21	27	36	80
HSK63A-SF06-80-4.15 MQL2	06	4.15	21	27	36	80
HSK63A-SF08-80-2.01 MQL2	08	2.01	21	27	36	80
HSK63A-SF08-80-4.15 MQL2	08	4.15	21	27	36	80
HSK63A-SF10-85-2.01 MQL2	10	2.01	24	32	40	85
HSK63A-SF10-85-4.15 MQL2	10	4.15	24	32	40	85
HSK63A-SF12-90-2.01 MQL2	12	2.01	24	32	45	90
HSK63A-SF12-90-4.15 MQL2	12	4.15	24	32	45	90
HSK63A-SF12-90-9.08 MQL2	12	9.08	24	32	45	90
HSK63A-SF14-90-2.01 MQL2	14	2.01	27	34	45	90
HSK63A-SF14-90-4.15 MQL2	14	4.15	27	34	45	90
HSK63A-SF14-90-9.08 MQL2	14	9.08	27	34	45	90

MQL2 Channel Shrink Fit Chuck
微润滑双通道热缩刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	A	D	D1	L1	L2
HSK63A-SF16-95-2.01 MQL2	16	2.01	27	34	48	95
HSK63A-SF16-95-4.15 MQL2	16	4.15	27	34	48	95
HSK63A-SF16-95-9.08 MQL2	16	9.08	27	34	48	95
HSK63A-SF18-95-2.01 MQL2	18	2.01	33	42	48	95
HSK63A-SF18-95-4.15 MQL2	18	4.15	33	42	48	95
HSK63A-SF18-95-9.08 MQL2	18	9.08	33	42	48	95
HSK63A-SF20-100-4.15 MQL2	20	4.15	33	42	50	100
HSK63A-SF20-100-9.08 MQL2	20	9.08	33	42	50	100
HSK63A-SF20-100-16.62 MQL2	20	16.62	33	42	50	100
HSK63A-SF25-115-4.15 MQL2	25	4.15	44	52.5	56	115
HSK63A-SF25-115-9.08 MQL2	25	9.08	44	52.5	56	115
HSK63A-SF25-115-16.62 MQL2	25	16.62	44	52.5	56	115
HSK63A-SF32-120-4.15 MQL2	32	4.15	44	52.5	60	120
HSK63A-SF32-120-9.08 MQL2	32	9.08	44	52.5	60	120
HSK63A-SF32-120-16.62 MQL2	32	16.62	44	52.5	60	120
HSK63A-SF06-120-2.01 MQL2	06	2.01	21	27	36	120
HSK63A-SF06-120-4.15 MQL2	06	4.15	21	27	36	120
HSK63A-SF08-120-2.01 MQL2	08	2.01	21	27	36	120
HSK63A-SF08-120-4.15 MQL2	08	4.15	21	27	36	120
HSK63A-SF10-120-2.01 MQL2	10	2.01	24	32	40	120
HSK63A-SF10-120-4.15 MQL2	10	4.15	24	32	40	120
HSK63A-SF12-120-2.01 MQL2	12	2.01	24	32	45	120
HSK63A-SF12-120-4.15 MQL2	12	4.15	24	32	45	120
HSK63A-SF12-120-9.08 MQL2	12	9.08	24	32	45	120
HSK63A-SF14-120-2.01 MQL2	14	2.01	27	34	45	120
HSK63A-SF14-120-4.15 MQL2	14	4.15	27	34	45	120
HSK63A-SF14-120-9.08 MQL2	14	9.08	27	34	45	120
HSK63A-SF16-120-2.01 MQL2	16	2.01	27	34	48	120
HSK63A-SF16-120-4.15 MQL2	16	4.15	27	34	48	120
HSK63A-SF16-120-9.08 MQL2	16	9.08	27	34	48	120
HSK63A-SF18-120-2.01 MQL2	18	2.01	33	42	48	120
HSK63A-SF18-120-4.15 MQL2	18	4.15	33	42	48	120
HSK63A-SF18-120-9.08 MQL2	18	9.08	33	42	48	120

MQL2 Channel Shrink Fit Chuck
微润滑双通道热缩刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	A	D	D1	L1	L2
HSK63A-SF20-120-4.15 MQL2	20	4.15	33	42	50	120
HSK63A-SF20-120-9.08 MQL2	20	9.08	33	42	50	120
HSK63A-SF20-120-16.62 MQL2	20	16.62	33	42	50	120
HSK63A-SF06-160-2.01 MQL2	06	2.01	21	27	36	160
HSK63A-SF06-160-4.15 MQL2	06	4.15	21	27	36	160
HSK63A-SF08-160-2.01 MQL2	08	2.01	21	27	36	160
HSK63A-SF08-160-4.15 MQL2	08	4.15	21	27	36	160
HSK63A-SF10-160-2.01 MQL2	10	2.01	24	32	40	160
HSK63A-SF10-160-4.15 MQL2	10	4.15	24	32	40	160
HSK63A-SF12-160-2.01 MQL2	12	2.01	24	32	45	160
HSK63A-SF12-160-4.15 MQL2	12	4.15	24	32	45	160
HSK63A-SF12-160-9.08 MQL2	12	9.08	24	32	45	160
HSK63A-SF14-160-2.01 MQL2	14	2.01	27	34	45	160
HSK63A-SF14-160-4.15 MQL2	14	4.15	27	34	45	160
HSK63A-SF14-160-9.08 MQL2	14	9.08	27	34	45	160
HSK63A-SF16-160-2.01 MQL2	16	2.01	27	34	48	160
HSK63A-SF16-160-4.15 MQL2	16	4.15	27	34	48	160
HSK63A-SF16-160-9.08 MQL2	16	9.08	27	34	48	160
HSK63A-SF18-160-2.01 MQL2	18	2.01	33	42	48	160
HSK63A-SF18-160-4.15 MQL2	18	4.15	33	42	48	160
HSK63A-SF18-160-9.08 MQL2	18	9.08	33	42	48	160
HSK63A-SF20-160-4.15 MQL2	20	4.15	33	42	50	160
HSK63A-SF20-160-9.08 MQL2	20	9.08	33	42	50	160
HSK63A-SF20-160-16.62 MQL2	20	16.62	33	42	50	160
HSK63A-SF25-160-4.15 MQL2	25	4.15	44	52.5	56	160
HSK63A-SF25-160-9.08 MQL2	25	9.08	44	52.5	56	160
HSK63A-SF25-160-16.62 MQL2	25	16.62	44	52.5	56	160
HSK63A-SF32-160-4.15 MQL2	32	4.15	44	52.5	60	160
HSK63A-SF32-160-9.08 MQL2	32	9.08	44	52.5	60	160
HSK63A-SF32-160-16.62 MQL2	32	16.62	44	52.5	60	160

MQL2 Channel Shrink Fit Chuck
微润滑双通道热缩刀柄

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	d	A	D	D1	L1	L2
HSK80A-SF06-85-2.01 MQL2	06	2.01	21	27	36	85
HSK80A-SF06-85-4.15 MQL2	06	4.15	21	27	36	85
HSK80A-SF08-85-2.01 MQL2	08	2.01	21	27	36	85
HSK80A-SF08-85-4.15 MQL2	08	4.15	21	27	36	85
HSK80A-SF10-90-2.01 MQL2	10	2.01	24	32	40	90
HSK80A-SF10-90-4.15 MQL2	10	4.15	24	32	40	90
HSK80A-SF12-95-2.01 MQL2	12	2.01	24	32	45	95
HSK80A-SF12-95-4.15 MQL2	12	4.15	24	32	45	95
HSK80A-SF12-95-9.08 MQL2	12	9.08	24	32	45	95
HSK80A-SF14-95-2.01 MQL2	14	2.01	27	34	45	95
HSK80A-SF14-95-4.15 MQL2	14	4.15	27	34	45	95
HSK80A-SF14-95-9.08 MQL2	14	9.08	27	34	45	95
HSK80A-SF16-100-2.01 MQL2	16	2.01	27	34	48	100
HSK80A-SF16-100-4.15 MQL2	16	4.15	27	34	48	100
HSK80A-SF16-100-9.08 MQL2	16	9.08	27	34	48	100
HSK80A-SF18-100-2.01 MQL2	18	2.01	33	42	48	100
HSK80A-SF18-100-4.15 MQL2	18	4.15	33	42	48	100
HSK80A-SF18-100-9.08 MQL2	18	9.08	33	42	48	100
HSK80A-SF20-105-4.15 MQL2	20	4.15	33	42	50	105
HSK80A-SF20-105-9.08 MQL2	20	9.08	33	42	50	105
HSK80A-SF20-105-16.62 MQL2	20	16.62	33	42	50	105
HSK80A-SF25-115-4.15 MQL2	25	4.15	44	53	56	115
HSK80A-SF25-115-9.08 MQL2	25	9.08	44	53	56	115
HSK80A-SF25-115-16.62 MQL2	25	16.62	44	53	56	115
HSK80A-SF32-120-4.15 MQL2	32	4.15	44	53	60	120
HSK80A-SF32-120-9.08 MQL2	32	9.08	44	53	60	120
HSK80A-SF32-120-16.62 MQL2	32	16.62	44	53	60	120

MQL2 Channel Shrink Fit Chuck
微润滑双通道热缩刀柄

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	d	A	D	D1	L1	L2
HSK100A-SF06-85-2.01 MQL2	06	2.01	21	27	36	85
HSK100A-SF06-85-4.15 MQL2	06	4.15	21	27	36	85
HSK100A-SF08-85-2.01 MQL2	08	2.01	21	27	36	85
HSK100A-SF08-85-4.15 MQL2	08	4.15	21	27	36	85
HSK100A-SF10-90-2.01 MQL2	10	2.01	24	32	40	90
HSK100A-SF10-90-4.15 MQL2	10	4.15	24	32	40	90
HSK100A-SF12-95-2.01 MQL2	12	2.01	24	32	45	95
HSK100A-SF12-95-4.15 MQL2	12	4.15	24	32	45	95
HSK100A-SF12-95-9.08 MQL2	12	9.08	24	32	45	95
HSK100A-SF14-95-2.01 MQL2	14	2.01	27	34	45	95
HSK100A-SF14-95-4.15 MQL2	14	4.15	27	34	45	95
HSK100A-SF14-95-9.08 MQL2	14	9.08	27	34	45	95
HSK100A-SF16-100-2.01 MQL2	16	2.01	27	34	48	100
HSK100A-SF16-100-4.15 MQL2	16	4.15	27	34	48	100
HSK100A-SF16-100-9.08 MQL2	16	9.08	27	34	48	100
HSK100A-SF18-100-2.01 MQL2	18	2.01	33	42	48	100
HSK100A-SF18-100-4.15 MQL2	18	4.15	33	42	48	100
HSK100A-SF18-100-9.08 MQL2	18	9.08	33	42	48	100
HSK100A-SF20-105-4.15 MQL2	20	4.15	33	42	50	105
HSK100A-SF20-105-9.08 MQL2	20	9.08	33	42	50	105
HSK100A-SF20-105-16.62 MQL2	20	16.62	33	42	50	105
HSK100A-SF25-115-4.15 MQL2	25	4.15	44	53	56	115
HSK100A-SF25-115-9.08 MQL2	25	9.08	44	53	56	115
HSK100A-SF25-115-16.62 MQL2	25	16.62	44	53	56	115
HSK100A-SF32-120-4.15 MQL2	32	4.15	44	53	60	120
HSK100A-SF32-120-9.08 MQL2	32	9.08	44	53	60	120
HSK100A-SF32-120-16.62 MQL2	32	16.62	44	53	60	120
HSK100A-SF06-160-2.01 MQL2	06	2.01	21	27	36	160
HSK100A-SF06-160-4.15 MQL2	06	4.15	21	27	36	160
HSK100A-SF08-160-2.01 MQL2	08	2.01	21	27	36	160
HSK100A-SF08-160-4.15 MQL2	08	4.15	21	27	36	160
HSK100A-SF10-160-2.01 MQL2	10	2.01	24	32	40	160
HSK100A-SF10-160-4.15 MQL2	10	4.15	24	32	40	160

MQL2 Channel Shrink Fit Chuck
微润滑双通道热缩刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	A	D	D1	L1	L2
HSK100A-SF12-160-2.01 MQL2	12	2.01	24	32	45	160
HSK100A-SF12-160-4.15 MQL2	12	4.15	24	32	45	160
HSK100A-SF12-160-9.08 MQL2	12	9.08	24	32	45	160
HSK100A-SF14-160-2.01 MQL2	14	2.01	27	34	45	160
HSK100A-SF14-160-4.15 MQL2	14	4.15	27	34	45	160
HSK100A-SF14-160-9.08 MQL2	14	9.08	27	34	45	160
HSK100A-SF16-160-2.01 MQL2	16	2.01	27	34	48	160
HSK100A-SF16-160-4.15 MQL2	16	4.15	27	34	48	160
HSK100A-SF16-160-9.08 MQL2	16	9.08	27	34	48	160
HSK100A-SF18-160-2.01 MQL2	18	2.01	33	42	48	160
HSK100A-SF18-160-4.15 MQL2	18	4.15	33	42	48	160
HSK100A-SF18-160-9.08 MQL2	18	9.08	33	42	48	160
HSK100A-SF20-160-4.15 MQL2	20	4.15	33	42	50	160
HSK100A-SF20-160-9.08 MQL2	20	9.08	33	42	50	160
HSK100A-SF20-160-16.62 MQL2	20	16.62	33	42	50	160
HSK100A-SF25-160-4.15 MQL2	25	4.15	44	53	56	160
HSK100A-SF25-160-9.08 MQL2	25	9.08	44	53	56	160
HSK100A-SF25-160-16.62 MQL2	25	16.62	44	53	56	160
HSK100A-SF32-160-4.15 MQL2	32	4.15	44	53	60	160
HSK100A-SF32-160-9.08 MQL2	32	9.08	44	53	60	160
HSK100A-SF32-160-16.62 MQL2	32	16.62	44	53	60	160

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
BT30-SFS03-80	03	9	14.8	80	58	55.2	-	-	-	3
BT30-SFS04-80	04	10	15.8	80	58	55.2	-	-	-	3
BT30-SFS06-80	06	12	17.8	80	58	55.2	36	10	M5	3
BT30-SFS08-80	08	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	06	12	21.5	120	98	90.6	36	10	M5	3
BT30-SFS08-120	08	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	03	9	15.3	90	63	60.2	-	-	-	3
BT40-SFS04-90	04	10	16.3	90	63	60.2	-	-	-	3
BT40-SFS06-90	06	12	18.3	90	63	60.2	36	10	M5	3
BT40-SFS08-90	08	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	03	9	18.3	120	93	88.3	-	-	-	5
BT40-SFS04-120	04	10	19.3	120	93	88.3	-	-	-	5
BT40-SFS06-120	06	12	21.3	120	93	88.3	36	10	M5	5
BT40-SFS08-120	08	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	03	9	22.4	160	133	128.3	-	-	-	5
BT40-SFS04-160	04	10	23.4	160	133	128.3	-	-	-	5
BT40-SFS06-160	06	12	25.4	160	133	128.3	36	10	M5	5
BT40-SFS08-160	08	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	AD
≤0.003	G2.5/25000	

Size	d	D	D1	L	L3	L2	L1	N	G	R
SK40-SFS03-80	03	9	16.1	80	70.9	68.1	-	-	-	3
SK40-SFS04-80	04	10	17.1	80	70.9	68.1	-	-	-	3
SK40-SFS06-80	06	12	19.1	80	70.9	68.1	36	10	M5	3
SK40-SFS08-80	08	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	03	9	19.1	120	100.9	96.1	-	-	-	5
SK40-SFS04-120	04	10	20.1	120	100.9	96.1	-	-	-	5
SK40-SFS06-120	06	12	22.1	120	100.9	96.1	36	10	M5	5
SK40-SFS08-120	08	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	03	9	23.3	160	140.9	136.2	-	-	-	5
SK40-SFS04-160	04	10	24.3	160	140.9	136.2	-	-	-	5
SK40-SFS06-160	06	12	26.3	160	140.9	136.2	36	10	M5	5
SK40-SFS08-160	08	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

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	03	9	15.5	80	45	M6.0P
CAT40-SFS04-80	04	10	16.3	80	45	M6.0P
CAT40-SFS06-80	06	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 ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L3	L2	L1	N	G	R
HSK50A-SFS03-80	03	9	14.4	80	54	51.2	-	-	-	3
HSK50A-SFS04-80	04	10	15.4	80	54	51.2	-	-	-	3
HSK50A-SFS06-80	06	12	17.4	80	54	51.2	36	10	M5	3
HSK50A-SFS08-80	08	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	03	9	14	80	54	47.7	-	-	-	4
HSK63A-SFS04-80	04	10	15.4	80	54	51.2	-	-	-	3
HSK63A-SFS06-80	06	12	17.4	80	54	51.2	36	10	M5	3
HSK63A-SFS08-80	08	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	03	9	18.4	120	94	89.3	-	-	-	5
HSK63A-SFS04-120	04	10	19.4	120	94	89.3	-	-	-	5
HSK63A-SFS06-120	06	12	21.4	120	94	89.3	36	10	M5	5
HSK63A-SFS08-120	08	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	03	9	22.5	160	134	129.3	-	-	-	5
HSK63A-SFS04-160	04	10	23.5	160	134	129.3	-	-	-	5
HSK63A-SFS06-160	06	12	25.5	160	134	129.3	36	10	M5	5
HSK63A-SFS08-160	08	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	
≤0.003	G2.5/25000	AD

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	03	9	–	50	33	–	23	8	M6	–
HSK25E-SFS04-50	04	10	–	50	33	–	20	4	M6	–
HSK25E-SFS05-50	05	11	–	50	33	–	20	3	M6	–
HSK25E-SFS06-50	06	12	–	50	33	–	36	–	–	–
HSK25E-SFS08-50	08	14	–	50	38	–	36	–	–	–
HSK25E-SFS10-50	10	16	–	50	40	–	42	–	–	–
HSK32E-SFS03-60	03	9	13.3	60	44	41.2	20	5	M6	3
HSK32E-SFS04-60	04	10	14.3	60	44	41.2	20	5	M6	3
HSK32E-SFS06-70	06	12	17.4	70	54	51.2	36	5	M5	3
HSK32E-SFS08-70	08	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	03	9	11.9	50	30	27.2	20	–	–	3
HSK40E-SFS04-50	04	10	12.9	50	30	27.2	20	–	–	3
HSK40E-SFS06-60	06	12	15.9	60	40	37.2	36	10	M5	3
HSK40E-SFS08-60	08	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	03	9	12.3	60	34	31.2	–	–	–	3
HSK50E-SFS04-80	04	10	15.4	80	54	51.2	–	–	–	3
HSK50E-SFS06-80	06	12	17.4	80	54	51.2	36	10	M5	3
HSK50E-SFS08-80	08	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	03	9	11.8	12	120	-	73	-	-
C12-SFS04-120	04	10	11.8	12	120	-	73	-	-
C12-SFS05-120	05	11	11.8	12	120	-	73	-	-
C12-SFS06-120	06	12	17	12	120	36	73	10	M5
C12-SFS08-120	08	14	19	12	120	36	73	10	M6
C16-SFS03-120	03	9	13	16	120	-	70	-	-
C16-SFS04-120	04	10	14	16	120	-	70	-	-
C16-SFS05-120	05	11	15	16	120	-	70	-	-
C16-SFS06-120	06	12	15.8	16	120	36	70	10	M5
C16-SFS08-120	08	14	19	16	120	36	70	10	M6
C20-SFS03-120	03	9	13	20	120	-	68	-	-
C20-SFS04-120	04	10	14	20	120	-	68	-	-
C20-SFS05-120	05	11	15	20	120	-	68	-	-
C20-SFS06-120	06	12	16	20	120	36	68	10	M5
C20-SFS08-120	08	14	19	20	120	36	68	10	M6
C20-SFS10-120	10	16	19.8	20	120	42	68	10	M8x1
C20-SFS12-120	12	18	19.8	20	120	47	68	10	M10x1
C12-SFS03-160	03	9	11.8	12	160	-	113	-	-
C12-SFS04-160	04	10	11.8	12	160	-	113	-	-
C16-SFS03-160	03	9	13	16	160	-	110	-	-
C16-SFS04-160	04	10	14	16	160	-	110	-	-
C16-SFS05-160	05	11	15	16	160	-	110	-	-
C16-SFS06-160	06	12	15.8	16	160	36	110	10	M5
C16-SFS08-160	08	14	15.8	16	160	36	110	10	M6
C16-SFS10-160	10	16	21	16	160	42	110	10	M8x1

Shrink Fit Extension, 3°
3° 直柄热缩延长杆

Size	d	D1	D2	D	L	L1	L2	N	G
C20-SFS05-160	05	11	15	20	160	-	110	-	-
C20-SFS06-160	06	12	16	20	160	36	108	10	M5
C20-SFS08-160	08	14	19	20	160	36	108	10	M6
C25-SFS08-160	08	14	19	25	160	36	108	10	M6
C25-SFS10-160	10	16	21	25	160	42	108	10	M8x1
C25-SFS12-160	12	18	23	25	160	47	108	10	M10x1
C25-SFS14-160	14	20	24.8	25	160	47	108	10	M10x1
C25-SFS16-160	16	22	24.8	25	160	50	108	10	M12x1
C32-SFS10-160	10	16	21	32	160	42	98	10	M8x1
C32-SFS12-160	12	18	23	32	160	47	98	10	M10x1
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	03	9	13	16	200	-	150	-	-
C16-SFS04-200	04	10	14	16	200	-	150	-	-
C16-SFS05-200	05	11	15	16	200	-	150	-	-
C16-SFS06-200	06	12	15.8	16	200	36	150	10	M5
C16-SFS08-200	08	14	19	16	200	36	150	10	M6
C20-SFS04-200	04	10	14	20	200	-	148	-	-
C20-SFS06-200	06	12	16	20	200	36	148	10	M5
C20-SFS08-200	08	14	19	20	200	36	148	10	M6
C20-SFS10-200	10	16	19.8	20	200	42	148	10	M8x1
C20-SFS06-250	06	12	16	20	250	36	198	10	M5
C20-SFS08-250	08	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

Shrink Fit ER Collet
ER 热缩夹头

Size	Collet Size	d	D1	D2	L
ER16-SF03	ER16	03	16	6.7	27.5
ER16-SF04	ER16	04	16	6.7	27.5
ER16-SF05	ER16	05	16	6.7	27.5
ER16-SF06	ER16	06	16	6.7	27.5
ER16-SF08	ER16	08	16	6.7	27.5
ER16-SF10	ER16	10	16	6.7	27.5
ER20-SF03	ER20	03	20	7.52	31.5
ER20-SF04	ER20	04	20	7.52	31.5
ER20-SF05	ER20	05	20	7.52	31.5
ER20-SF06	ER20	06	20	7.52	31.5
ER20-SF08	ER20	08	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	03	25	8	34
ER25-SF04	ER25	04	25	8	34
ER25-SF05	ER25	05	25	8	34
ER25-SF06	ER25	06	25	8	34
ER25-SF08	ER25	08	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	03	32	9	40
ER32-SF04	ER32	04	32	9	40
ER32-SF05	ER32	05	32	9	40
ER32-SF06	ER32	06	32	9	40
ER32-SF08	ER32	08	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	03	16	41.7	35
ER16-SFS04-35	ER16	04	16	41.7	35
ER16-SFS05-35	ER16	05	16	41.7	35
ER16-SFS06-35	ER16	06	16	41.7	35
ER20-SFS03-35	ER20	03	20	42.52	35
ER20-SFS04-35	ER20	04	20	42.52	35
ER20-SFS05-35	ER20	05	20	42.52	35
ER20-SFS06-35	ER20	06	20	42.52	35
ER20-SFS08-35	ER20	08	20	42.52	35
ER25-SFS03-35	ER25	03	25	43	35
ER25-SFS04-35	ER25	04	25	43	35
ER25-SFS05-35	ER25	05	25	43	35
ER25-SFS06-35	ER25	06	25	43	35
ER25-SFS08-35	ER25	08	25	43	35
ER25-SFS10-35	ER25	10	25	43	35
ER32-SFS03-35	ER32	03	32	44	35
ER32-SFS04-35	ER32	04	32	44	35
ER32-SFS05-35	ER32	05	32	44	35
ER32-SFS06-35	ER32	06	32	44	35
ER32-SFS08-35	ER32	08	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 ↗	RPM	💧
≤0.003	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

MQL1 Channel Length Setting Screws
微润滑单通道长度调节螺钉

Type 1

Type 2

Size	HSK-A	d1	d2	L1	L2	G	SW	Type
MQL10060320	32	06	4.0	34.5	2.5	M5x0.8	2	2
MQL10080320	32	08	4.0	34.5	3.0	M7x1	2	2
MQL10100320	32	10	4.0	35.5	3.5	M8x1	2	2
MQL10120320	32	12	4.0	35.5	3.5	M10x1	2	2
MQL10060400	40	06	5.4	34.1	11.0	M7x1	3	1
MQL10080400	40	08	5.4	34.1	3.0	M7x1	3	2
MQL10100400	40	10	5.4	30.1	3.5	M8x1	3	2
MQL10120400	40	12	5.4	35.1	3.5	M10x1	3	2
MQL10140400	40	14	5.4	35.1	4.5	M10x1	3	2
MQL10160400	40	16	5.4	32.1	5.5	M12x1	3	2
MQL10060500	50	06	6.5	31.8	10.0	M8x1	4	1
MQL10080500	50	08	6.5	31.8	3.0	M8x1	4	2
MQL10100500	50	10	6.5	32.8	3.5	M8x1	4	2
MQL10120500	50	12	6.5	32.8	3.5	M10x1	4	2
MQL10140500	50	14	6.5	32.8	4.5	M10x1	4	2
MQL10160500	50	16	6.5	34.8	5.5	M12x1	4	2
MQL10180500	50	18	6.5	34.8	6.5	M12x1	4	2
MQL10200500	50	20	6.5	37.8	6.5	M16x1	4	2
MQL10061000	63/80/100	06	8.0	31	10.0	M10x1	4	1
MQL10081000	63/80/100	08	8.0	31.8	10.0	M10x1	4	1
MQL10101000	63/80/100	10	8.0	32.8	3.5	M10x1	4	2
MQL10121000	63/80/100	12	8.0	32.8	3.5	M10x1	5	2
MQL10141000	63/80/100	14	8.0	32.8	4.5	M10x1	5	2
MQL10161000	63/80/100	16	8.0	34.8	5.5	M12x1	5	2
MQL10181000	63/80/100	18	8.0	34.8	6.5	M12x1	5	2
MQL10201000	63/80/100	20	8.0	37.8	6.5	M16x1	5	2
MQL10251000	63/80/100	25	8.0	43.8	10.0	M16x1	5	2
MQL10321000	63/80/100	32	8.0	44.8	14.0	M16x1	5	2

MQL2 Channel Length Setting Screws

微润滑双通道长度调节螺钉

Type 1

Type 2

Size	HSK-A	d1	A	d1	L1	L2	G	SW	Type
MQL20060320	32	06	2.01	2	25.8	2.5	M5x0.8	1.5	2
MQL20061320	32	06	4.15	2.9	25.8	2.5	M5x0.8	2	2
MQL20080320	32	08	2.01	2	21	3	M7x1	1.5	2
MQL20081320	32	08	4.15	2.9	21	3	M7x1	2	2
MQL20100320	32	10	2.01	2	22	3.5	M8x1	1.5	2
MQL20101320	32	10	4.15	2.9	22	3.5	M8x1	2	2
MQL20120320	32	12	2.01	2	22	3.5	M10x1	1.5	2
MQL20121320	32	12	4.15	2.9	22	3.5	M10x1	2	2
MQL20060400	40	06	2.01	2	26.5	11	M7x1	1.5	1
MQL20061400	40	06	4.15	2.9	26.5	11	M7x1	2	1
MQL20080400	40	08	2.01	2	26.5	3	M7x1	1.5	2
MQL20081400	40	08	4.15	2.9	26.5	3	M7x1	2	2
MQL20100400	40	10	2.01	2	22.2	3.5	M8x1	1.5	2
MQL20101400	40	10	4.15	2.9	22.2	3.5	M8x1	2	2
MQL20120400	40	12	2.01	2	26.5	3.5	M10x1	1.5	2
MQL20121400	40	12	4.15	2.9	26.5	3.5	M10x1	2	2
MQL20122400	40	12	9.08	4.1	26.5	3.5	M10x1	3	2
MQL20140400	40	14	2.01	2	26.5	4.5	M10x1	1.5	2
MQL20141400	40	14	4.15	2.9	26.5	4.5	M10x1	2	2
MQL20142400	40	14	9.08	4.1	26.5	4.5	M10x1	3	2
MQL20160400	40	16	2.01	2	23.5	5.5	M12x1	1.5	2
MQL20161400	40	16	4.15	2.9	23.5	5.5	M12x1	2	2
MQL20162400	40	16	9.08	4.1	23.5	5.5	M12x1	3	2

MQL2 Channel Length Setting Screws
微润滑双通道长度调节螺钉

Type 1

Type 2

Size	HSK-A	d1	A	d1	L1	L2	G	SW	Type
MQL20060500	50	06	2.01	2	22	10	M8x1	1.5	1
MQL20061500	50	06	4.15	2.9	22	10	M8x1	2	1
MQL20080500	50	08	2.01	2	22	3	M8x1	1.5	2
MQL20081500	50	08	4.15	2.9	22	3	M8x1	2	2
MQL20100500	50	10	2.01	2	23	3.5	M8x1	1.5	2
MQL20101500	50	10	4.15	2.9	23	3.5	M8x1	2	2
MQL20120500	50	12	2.01	2	23.7	3.5	M10x1	1.5	2
MQL20121500	50	12	4.15	2.9	23.7	3.5	M10x1	2	2
MQL20122500	50	12	9.08	4.1	23.7	3.5	M10x1	3	2
MQL20140500	50	14	2.01	2	23.7	4.5	M10x1	1.5	2
MQL20141500	50	14	4.15	2.9	23.7	4.5	M10x1	2	2
MQL20142500	50	14	9.08	4.1	23.7	4.5	M10x1	3	2
MQL20160500	50	16	2.01	2	25.7	5.5	M12x1	1.5	2
MQL20161500	50	16	4.15	2.9	25.7	5.5	M12x1	2	2
MQL20162500	50	16	9.08	4.1	25.7	5.5	M12x1	3	2
MQL20180500	50	18	2.01	2	25.7	6.5	M12x1	1.5	2
MQL20181500	50	18	4.15	2.9	25.7	6.5	M12x1	2	2
MQL20182500	50	18	9.08	4.1	25.7	6.5	M12x1	3	2
MQL20200500	50	20	4.15	2.9	27.5	6.5	M16x1	2	2
MQL20201500	50	20	9.08	4.1	27.5	6.5	M16x1	3	2
MQL20202500	50	20	16.62	5.4	27.5	6.5	M16x1	4	2

MQL2 Channel Length Setting Screws

微润滑双通道长度调节螺钉

Type 1

Type 2

Size	HSK-A	d1	A	d1	L1	L2	G	SW	Type
MQL20061000	63/80/100	06	2	2	21	10	M10x1	2	1
MQL20061010	63/80/100	06	4.15	2.9	20.5	10	M10x1	2	1
MQL20081000	63/80/100	08	2.01	2	21.3	10	M10x1	1.5	1
MQL20081010	63/80/100	08	4.15	2.9	21.3	10	M10x1	2	1
MQL20101000	63/80/100	10	2.01	2	21.2	3.5	M10x1	1.5	2
MQL20101010	63/80/100	10	4.15	2.9	21.2	3.5	M10x1	2	2
MQL20121000	63/80/100	12	2.01	2	21.7	3.5	M10x1	1.5	2
MQL20121010	63/80/100	12	4.15	2.9	21.7	3.5	M10x1	2	2
MQL20121020	63/80/100	12	9.08	4.1	21.7	3.5	M10x1	3	2
MQL20141000	63/80/100	14	2.01	2	21.8	4.5	M10x1	1.5	2
MQL20141010	63/80/100	14	4.15	2.9	21.8	4.5	M10x1	2	2
MQL20141020	63/80/100	14	9.08	4.1	21.8	4.5	M10x1	3	2
MQL20161000	63/80/100	16	2.01	2	23.7	5.5	M12x1	1.5	2
MQL20161010	63/80/100	16	4.15	2.9	23.7	5.5	M12x1	2	2
MQL20161020	63/80/100	16	9.08	4.1	23.7	5.5	M12x1	3	2
MQL20181000	63/80/100	18	2.01	2	23.8	6.5	M12x1	1.5	2
MQL20181010	63/80/100	18	4.15	2.9	23.8	6.5	M12x1	2	2
MQL20181020	63/80/100	18	9.08	4.1	23.8	6.5	M12x1	3	2
MQL20201000	63/80/100	20	4.15	2.9	26.7	6.5	M16x1	2	2
MQL20201010	63/80/100	20	9.08	4.1	26.7	6.5	M16x1	3	2
MQL20201020	63/80/100	20	16.62	5.4	26.7	6.5	M16x1	4	2
MQL20251000	63/80/100	25	4.15	2.9	30.6	10	M16x1	2	2
MQL20251010	63/80/100	25	9.08	4.1	30.6	10	M16x1	3	2
MQL20251020	63/80/100	25	16.62	5.4	30.6	10	M16x1	4	2
MQL20321000	63/80/100	32	4.15	2.9	31.6	14	M16x1	2	2
MQL20321010	63/80/100	32	9.08	4.1	31.6	14	M16x1	3	2
MQL20321020	63/80/100	32	16.62	5.4	31.6	14	M16x1	4	2

MQL1 Channel Coolant Supply Set
微润滑单通道冷却导管

Size	HSK-A	d1	d2	d3	L1	L2	G
MQL10100320	32	06	4	5	39	13	M10x1.0
MQL10120400	40	08	5.4	6.5	35.0	5.5	M12x1.0
MQL10160500	50	10	6.5	7.5	38.5	5.5	M16x1.0
MQL10180630	63	12	8.0	9.5	40.5	4.0	M18x1.0
MQL10200800	80	14	8.0	9.7	44.0	4.0	M20x1.5
MQL10241000	100	16	8.0	11.5	46.0	2.0	M24x1.5

MQL2 Channel Coolant Supply Set
微润滑双通道冷却导管

Size	HSK-A	clamp	A	d1	d2	d3	l1	l2	G
MQL20120320	32	6-12	2.01	1.9	1.6	6	47	20.6	M10x1
MQL20121320	32	6-12	4.15	2.8	2.3	6	47	20.6	M10x1
MQL20160400	40	6/16	2.01	1.9	1.6	8	43.3	14.5	M12x1
MQL20161400	40	6/16	4.15	2.8	2.3	8	43.3	14.5	M12x1
MQL20162400	40	12/16	9.08	4.0	3.4	8	43.1	14.3	M12x1
MQL20100500	50	6/10	2.01	1.9	1.6	10	48.6	16.0	M16x1.0
MQL20101500	50	6/10	4.15	2.8	2.3	10	48.6	16.0	M16x1.0
MQL20180500	50	12/18	2.01	1.9	1.6	10	46.5	13.9	M16x1.0
MQL20200500	50	12/20	4.15	2.8	2.3	10	46.5	13.9	M16x1.0
MQL20201500	50	12/20	9.08	4.0	3.4	10	46.5	13.9	M16x1.0
MQL20202500	50	20	16.62	5.3	4.6	10	46.5	13.9	M16x1.0
MQL20100630	63	6/10	2.01	1.9	1.6	12	50.0	14.1	M18x1.0
MQL20101630	63	6/10	4.15	2.8	2.3	12	50.0	14.1	M18x1.0
MQL20180630	63	12/18	2.01	1.9	1.6	12	48.8	13.0	M18x1.0
MQL20200630	63	12/20	4.15	2.8	2.3	12	48.8	13.0	M18x1.0
MQL20201630	63	12/20	9.08	4.0	3.4	12	48.8	13.0	M18x1.0
MQL20202630	63	20	16.62	5.3	4.6	12	50.0	14.2	M18x1.0
MQL20320630	63	25-32	4.15	2.8	2.3	12	54.1	18.3	M18x1.0
MQL20321630	63	25-32	9.08	4.0	3.4	12	54.1	18.3	M18x1.0
MQL20322630	63	25-32	16.62	5.3	4.6	12	54.1	18.3	M18x1.0
MQL22080630	63	6/8	2.01	1.9	1.6	12	90.0	54.1	M18x1.0
MQL22081630	63	6/8	4.15	2.8	2.3	12	90.0	54.1	M18x1.0
MQL22100630	63	10	2.01	1.9	1.6	12	85.0	49.1	M18x1.0
MQL22101630	63	10	4.15	2.8	2.3	12	85.0	49.1	M18x1.0
MQL22140630	63	12/14	2.01	1.9	1.6	12	78.8	43.0	M18x1.0
MQL22141630	63	12/14	4.15	2.8	2.3	12	78.8	43.0	M18x1.0
MQL22142630	63	12/14	9.08	4.0	3.4	12	78.8	43.0	M18x1.0
MQL22180630	63	16-18	2.01	1.9	1.6	12	73.8	38.0	M18x1.0
MQL22181630	63	16-18	4.15	2.8	2.3	12	73.8	38.0	M18x1.0
MQL22182630	63	16-18	9.08	4.0	3.4	12	73.8	38.0	M18x1.0

MQL2 Channel Coolant Supply Set
微润滑双通道冷却导管

Size	HSK-A	clamp	A	d1	d2	d3	l1	l2	G
MQL22200630	63	20	4.15	2.8	2.3	12	70.0	34.2	M18x1.0
MQL22201630	63	20	9.08	4.0	3.4	12	70.0	34.2	M18x1.0
MQL22202630	63	20	16.62	5.3	4.6	12	70.0	34.2	M18x1.0
MQL21080630	63	6/8	2.01	1.9	1.6	12	130.0	94.1	M18x1.0
MQL21081630	63	6/8	4.15	2.8	2.3	12	130.0	94.1	M18x1.0
MQL21100630	63	10	2.01	1.9	1.6	12	125.0	89.1	M18x1.0
MQL21101630	63	10	4.15	2.8	2.3	12	125.0	89.1	M18x1.0
MQL21140630	63	12/14	2.01	1.9	1.6	12	118.8	83.0	M18x1.0
MQL21141630	63	12/14	4.15	2.8	2.3	12	118.8	83.0	M18x1.0
MQL21142630	63	12/14	9.08	4.0	3.4	12	118.8	83.0	M18x1.0
MQL21180630	63	16-18	2.01	1.9	1.6	12	113.8	78.0	M18x1.0
MQL21181630	63	16-18	4.15	2.8	2.3	12	113.8	78.0	M18x1.0
MQL21182630	63	16-18	9.08	4.0	3.4	12	113.8	78.0	M18x1.0
MQL21200630	63	20	4.15	2.8	2.3	12	110.0	74.2	M18x1.0
MQL21201630	63	20	9.08	4.0	3.4	12	110.0	74.2	M18x1.0
MQL21202630	63	20	16.62	5.3	4.6	12	110.0	74.2	M18x1.0
MQL21250630	63	25	4.15	2.8	2.3	12	99.1	63.3	M18x1.0
MQL21251630	63	25	9.08	4	3.4	12	99.1	63.3	M18x1.0
MQL21252630	63	25	16.62	5.3	4.6	12	99.1	63.3	M18x1.0
MQL21320630	63	32	4.15	2.8	2.3	12	94.1	58.3	M18x1.0
MQL21321630	63	32	9.08	4.0	3.4	12	94.1	58.3	M18x1.0
MQL21322630	63	32	16.62	5.3	4.6	12	94.1	58.3	M18x1.0
MQL20100800	80	6/10	2.01	1.9	1.6	14	54.2	14.6	M20x1.5
MQL20101800	80	6/10	4.15	2.8	2.3	14	54.2	14.6	M20x1.5
MQL20180800	80	12 -18	2.01	1.9	1.6	14	53.1	13.5	M20x1.5
MQL20320800	80	12 -32	4.15	2.8	2.3	14	53.1	13.5	M20x1.5
MQL20321800	80	12 -32	9.08	4.0	3.4	14	53.1	13.5	M20x1.5
MQL20322800	80	20-32	16.62	5.3	4.6	14	53.6	14.0	M20x1.5

MQL2 Channel Coolant Supply Set
微润滑双通道冷却导管

Size	HSK-A	clamp	A	d1	d2	d3	l1	l2	G
MQL20101000	100	6/10	2.01	1.9	1.6	14	56.2	12.6	M24x1.5
MQL20101010	100	6/10	4.15	2.8	2.3	14	56.2	12.6	M24x1.5
MQL20181000	100	12/18	2.01	1.9	1.6	14	55.1	11.5	M24x1.5
MQL20321000	100	12/32	4.15	2.8	2.3	14	55.1	11.5	M24x1.5
MQL20321010	100	12/32	9.08	4.0	3.4	14	55.1	11.5	M24x1.5
MQL20321020	100	20-32	16.62	5.3	4.6	14	55.6	12.0	M24x1.5
MQL21081000	100	6/8	2.01	1.9	1.6	12	131.2	87.6	M24x1.5
MQL21081010	100	6/8	4.15	2.8	2.3	12	131.2	87.6	M24x1.5
MQL21101000	100	10	2.01	1.9	1.6	12	126.2	82.6	M24x1.5
MQL21101010	100	10	4.15	2.8	2.3	12	126.2	82.6	M24x1.5
MQL21141000	100	12/14	2.01	1.9	1.6	12	120.1	76.5	M24x1.5
MQL21141010	100	12/14	4.15	2.8	2.3	12	120.1	76.5	M24x1.5
MQL21141020	100	12/14	9.08	4.0	3.4	12	120.1	76.5	M24x1.5
MQL21181000	100	16-18	2.01	1.9	1.6	12	115.1	71.5	M24x1.5
MQL21181010	100	16-18	4.15	2.8	2.3	12	115.1	71.5	M24x1.5
MQL21181020	100	16-18	9.08	4.0	3.4	12	115.1	71.5	M24x1.5
MQL21201000	100	20	4.15	2.8	2.3	12	110.6	67.0	M24x1.5
MQL21201010	100	20	9.08	4.0	3.4	12	110.6	67.0	M24x1.5
MQL21201020	100	20	16.62	5.3	4.6	12	110.6	67.0	M24x1.5
MQL21251000	100	25	4.15	2.8	2.3	12	100.6	57.0	M24x1.5
MQL21251010	100	25	9.08	4.0	3.4	12	100.6	57.0	M24x1.5
MQL21251020	100	25	16.62	5.3	4.6	12	100.6	57.0	M24x1.5
MQL21321000	100	32	4.15	2.8	2.3	12	95.6	52.0	M24x1.5
MQL21321010	100	32	9.08	4.0	3.4	12	95.6	52.0	M24x1.5
MQL21321020	100	32	16.62	5.3	4.6	12	95.6	52.0	M24x1.5

BRIGHT-TOOLS

TOOL HOLDERS

MODULAR SHRINK

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
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	15.9	-	1
SK30-TSF08-35	23	27.5	34	35	15.9	-	1
SK30-TSF12-35	38	-	-	35	15.9	-	2
SK40-TSF08-40	23	31.2	50	40	20.9	-	1
SK40-TSF12-45	38	-	-	45	25.9	-	2
SK40-TSF12-75	38	-	-	75	55.9	-	2
SK40-TSF12-135	38			135			
SK50-TSF12-75	38	65	-	75	43.9	12	2
SK50-TSF12-105	38	65	-	105	-	12	2
SK50-TSF12-135	38	65	-	135	-	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

A ↗	RPM	
≤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	03	6	26	35	M10	3
12-SF3-55S	03	6	26	55	M10	3
12-SF3-80S	03	6	26	80	M10	3
12-SF3-110S	03	6	26	110	M10	3
12-SF4-35S	04	7	26	35	M10	3
12-SF4-55S	04	7	26	55	M10	3
12-SF4-80S	04	7	26	80	M10	3
12-SF4-110S	04	7	26	110	M10	3
12-SF5-35S	05	8	26	35	M10	3
12-SF5-55S	05	8	26	55	M10	3
12-SF5-80S	05	8	26	80	M10	3
12-SF5-110S	05	8	26	110	M10	3
12-SF6-35S	06	9	26	35	M10	3
12-SF6-55S	06	9	26	55	M10	3
12-SF6-80S	06	9	26	80	M10	3
12-SF6-110S	06	9	26	110	M10	3
12-SF7-35S	07	10	26	35	M10	3
12-SF7-55S	07	10	26	55	M10	3
12-SF7-80S	07	10	26	80	M10	3
12-SF7-110S	07	10	26	110	M10	3
12-SF8-35S	08	11	26	35	M10	3
12-SF8-55S	08	11	26	55	M10	3
12-SF8-80S	08	11	26	80	M10	3
12-SF8-110S	08	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	09	12	26	35	M10	3
12-SF9-55S	09	12	26	55	M10	3
12-SF9-80S	09	12	26	80	M10	3
12-SF9-110S	09	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-SF1/8"-35S	1/8"	6.175	26	35	M10	3
12-SF1/8"-55S	1/8"	6.175	26	55	M10	3
12-SF1/8"-80S	1/8"	6.175	26	80	M10	3
12-SF1/8"-110S	1/8"	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	03	7.5	26	35	M10	3
12-SF3-55	03	7.5	26	55	M10	3
12-SF3-80	03	7.5	26	80	M10	3
12-SF4-35	04	10	26	35	M10	3
12-SF4-55	04	10	26	55	M10	3
12-SF4-80	04	10	26	80	M10	3
12-SF6-35	06	12	26	35	M10	3
12-SF6-55	06	12	26	55	M10	3
12-SF6-80	06	12	26	80	M10	3
12-SF8-35	08	14	26	35	M10	3
12-SF8-55	08	14	26	55	M10	3
12-SF8-80	08	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	03	9.5	26	35	M10
12-SF3-55K	03	9.5	26	55	M10
12-SF3-80K	03	9.5	26	80	M10
12-SF4-35K	04	12	26	35	M10
12-SF4-55K	04	12	26	55	M10
12-SF4-80K	04	12	26	80	M10
12-SF6-35K	06	14	26	35	M10
12-SF6-55K	06	14	26	55	M10
12-SF6-80K	06	14	26	80	M10
12-SF8-35K	08	16	26	35	M10
12-SF8-55K	08	16	26	55	M10
12-SF8-80K	08	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 ↗	RPM	
≤0.003	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

BRIGHT-TOOLS

TOOL HOLDERS

STAINLESS SHRINK

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT30-SFSA03-60-M22	03	6	60	22	16	8.3	20	9	80
BT30-SFSA03-75-M22	03	6	75	22	31	8.3	25	9	99
BT30-SFSA03-95-M42	03	6	95	42	31	10.4	25	9	119
BT30-SFSA03-120-M67	03	6	120	67	31	13	25	9	144
BT30-SFSA04-75-M22	04	7	75	22	31	9.3	25	12	99
BT30-SFSA04-95-M42	04	7	95	42	31	11.4	25	12	119
BT30-SFSA04-120-M67	04	7	120	67	31	14	25	12	144
BT30-SFSA06-75-M22	06	9	75	22	31	11.3	25	18	99
BT30-SFSA06-95-M42	06	9	95	42	31	13.4	25	18	119
BT30-SFSA06-120-M67	06	9	120	67	31	16	25	18	144
BT30-SFSA1/8"-75-M22	1/8"	6.175	75	22	31	8.5	25	9	99
BT30-SFSA1/8"-95-M42	1/8"	6.175	95	42	31	10.6	25	9	119

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
BT40-SFSA03-95-M42	03	6	95	42	26	10.4	25	9	130
BT40-SFSA03-120-M67	03	6	120	67	26	13	25	9	155
BT40-SFSA03-125-M42	03	6	125	42	56	10.4	25	9	160
BT40-SFSA03-150-M67	03	6	150	67	56	13	25	9	185
BT40-SFSA03-150-M97	03	6	150	97	26	16.2	25	9	185
BT40-SFSA03-180-M97	03	6	180	97	56	16.2	26	9	215
BT40-SFSA04-95-M42	04	7	95	42	26	11.4	25	12	130
BT40-SFSA04-120-M67	04	7	120	67	26	14	25	12	155
BT40-SFSA04-125-M42	04	7	125	42	56	11.4	25	12	160
BT40-SFSA04-150-M67	04	7	150	67	56	14	25	12	185
BT40-SFSA04-150-M97	04	7	150	97	26	17.2	25	12	185
BT40-SFSA04-180-M97	04	7	180	97	56	17.2	25	12	215
BT40-SFSA06-95-M42	06	9	95	42	26	13.4	25	18	130
BT40-SFSA06-120-M67	06	9	120	67	26	16	26	18	155
BT40-SFSA06-125-M42	06	9	125	42	56	13.4	25	18	160
BT40-SFSA06-150-M67	06	9	150	67	56	16	25	18	185
BT40-SFSA06-150-M97	06	9	150	97	26	19.2	32	18	185
BT40-SFSA06-180-M97	06	9	180	97	56	19.2	32	18	215
BT40-SFSA08-95-M42	08	11	95	42	26	15.4	25	24	130
BT40-SFSA08-120-M67	08	11	120	67	26	18	32	24	155
BT40-SFSA08-125-M42	08	11	125	42	56	15.4	36	24	160
BT40-SFSA08-150-M67	08	11	150	67	56	18	32	24	185
BT40-SFSA08-150-M97	08	11	150	97	26	21.2	32	24	185
BT40-SFSA08-180-M97	08	11	180	97	56	21.2	32	24	215
BT40-SFSA10-95-M42	10	13	95	42	26	17.4	25	30	130
BT40-SFSA10-120-M67	10	13	120	67	26	20	32	30	155
BT40-SFSA10-125-M42	10	13	125	42	56	17.4	25	30	160
BT40-SFSA10-150-M67	10	13	150	67	56	20	32	30	185
BT40-SFSA10-150-M97	10	13	150	97	26	23.2	32	30	185
BT40-SFSA10-180-M97	10	13	180	97	56	23.2	36	30	215

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
BT40-SFSA03-155-M42	03	6	155	42	33	53	10.4	26	40	9	190
BT40-SFSA03-180-M67	03	6	180	67	33	53	13	26	40	9	215
BT40-SFSA03-210-M97	03	6	210	97	33	53	16.2	25	39	9	245
BT40-SFSA04-155-M42	04	7	155	42	33	53	11.4	25	39	12	190
BT40-SFSA04-180-M67	04	7	180	67	33	53	14	25	39	12	215
BT40-SFSA04-210-M97	04	7	210	97	33	53	17.2	25	39	12	245
BT40-SFSA06-155-M42	06	9	155	42	33	53	13.4	25	39	18	190
BT40-SFSA06-180-M67	06	9	180	67	33	53	16	25	39	18	215
BT40-SFSA06-210-M97	06	9	210	97	30	56	19.2	32	46	18	245
BT40-SFSA08-155-M42	08	11	155	42	33	53	15.4	25	39	24	190
BT40-SFSA08-180-M67	08	11	180	67	30	56	18	32	46	24	215
BT40-SFSA08-210-M97	08	11	210	97	28	58	21.2	36	50	24	245
BT40-SFSA10-155-M42	10	13	155	42	30	53	17.4	25	39	30	190
BT40-SFSA10-180-M67	10	13	180	67	28	58	20	36	50	30	215
BT40-SFSA10-210-M97	10	13	210	97	30	56	23.2	32	46	30	245
BT40-SFSA12-155-M42	12	15	155	42	30	56	19.4	32	46	30	190
BT40-SFSA12-180-M67	12	15	180	67	56	56	22	32	46	30	215
BT40-SFSA12-210-M97	12	15	210	97	30	56	25.2	32	46	30	245

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT50-SFSA03-110-M42	03	6	110	42	30	10.4	26	9	165
BT50-SFSA03-135-M67	03	6	135	67	30	13	26	9	190
BT50-SFSA03-140-M42	03	6	140	42	60	10.4	25	9	195
BT50-SFSA03-165-M67	03	6	165	67	60	13	25	9	220
BT50-SFSA03-165-M97	03	6	165	97	30	16.2	26	9	220
BT50-SFSA03-195-M97	03	6	195	97	60	16.2	26	9	250
BT50-SFSA04-110-M42	04	7	110	42	30	11.4	25	12	165
BT50-SFSA04-135-M67	04	7	135	67	30	14	25	12	190
BT50-SFSA04-140-M42	04	7	140	42	60	11.4	25	12	195
BT50-SFSA04-165-M67	04	7	165	67	60	14	25	12	220
BT50-SFSA04-165-M97	04	7	165	97	30	17.2	25	12	220
BT50-SFSA04-195-M97	04	7	195	97	60	17.2	25	12	250
BT50-SFSA06-110-M42	06	9	110	42	30	13.4	25	18	165
BT50-SFSA06-135-M67	06	9	135	67	30	16	25	18	190
BT50-SFSA06-140-M42	06	9	140	42	60	13.4	25	18	195
BT50-SFSA06-165-M67	06	9	165	67	60	16	25	18	220
BT50-SFSA06-165-M97	06	9	165	97	30	19.2	32	18	220
BT50-SFSA06-195-M97	06	9	195	97	60	19.2	32	18	250
BT50-SFSA08-110-M42	08	11	110	42	30	15.4	25	24	165
BT50-SFSA08-135-M67	08	11	135	67	30	18	32	24	190
BT50-SFSA08-140-M42	08	11	140	42	60	15.4	25	24	195
BT50-SFSA08-165-M67	08	11	165	67	60	18	32	24	220
BT50-SFSA08-165-M97	08	11	165	97	30	21.2	32	24	220
BT50-SFSA08-195-M97	08	11	195	97	60	21.2	32	24	250

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT50-SFSA10-110-M42	10	13	110	42	30	17.4	25	30	165
BT50-SFSA10-135-M67	10	13	135	67	30	20	32	30	190
BT50-SFSA10-140-M42	10	13	140	42	60	17.4	25	30	195
BT50-SFSA10-165-M67	10	13	165	67	60	20	32	30	220
BT50-SFSA10-165-M97	10	13	165	97	30	23.2	32	30	220
BT50-SFSA10-195-M97	10	13	195	97	60	23.2	32	30	250
BT50-SFSA12-110-M42	12	15	110	42	30	19.4	32	30	165
BT50-SFSA12-135-M67	12	15	135	67	30	22	32	30	190
BT50-SFSA12-140-M42	12	15	140	42	60	19.4	32	30	195
BT50-SFSA12-165-M67	12	15	165	67	60	22	32	30	220
BT50-SFSA12-165-M97	12	15	165	97	30	25.2	32	30	220
BT50-SFSA12-195-M97	12	15	195	97	60	25.2	32	30	250

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
BT50-SFSA03-170-M42	03	6	170	42	33	57	10.4	26	40	9	225
BT50-SFSA03-195-M67	03	6	195	67	33	57	13	26	40	9	250
BT50-SFSA03-225-M97	03	6	225	97	33	57	16.2	26	40	9	280
BT50-SFSA04-170-M42	04	7	170	42	33	57	11.4	25	39	12	225
BT50-SFSA04-195-M67	04	7	195	67	33	57	14	25	39	12	250
BT50-SFSA04-225-M97	04	7	225	97	33	57	17.2	25	39	12	280
BT50-SFSA06-170-M42	06	9	170	42	33	57	13.4	26	40	18	225
BT50-SFSA06-195-M67	06	9	195	67	33	57	16	25	39	18	250
BT50-SFSA06-225-M97	06	9	225	97	30	60	19.2	32	46	18	280
BT50-SFSA08-170-M42	08	11	170	42	33	57	15.4	25	39	24	225
BT50-SFSA08-195-M67	08	11	195	67	28	62	18	36	50	24	250
BT50-SFSA08-225-M97	08	11	225	97	28	62	21.2	36	50	24	280
BT50-SFSA10-170-M42	10	13	170	42	33	57	17.4	25	39	30	225
BT50-SFSA10-195-M67	10	13	195	67	28	62	20	36	50	30	250
BT50-SFSA10-225-M97	10	13	225	97	30	60	23.2	32	46	30	280
BT50-SFSA12-170-M42	12	15	170	42	30	60	19.4	32	46	30	225
BT50-SFSA12-195-M67	12	15	195	67	30	60	22	32	46	30	250
BT50-SFSA12-225-M97	12	15	225	97	30	60	25.2	32	46	30	280

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK40A-SFSA03-60-M22	03	6	60	22	18	8.3	20	9	44
HSK40A-SFSA03-65-M22	03	6	65	22	23	8.3	25	9	44
HSK40A-SFSA03-85-M42	03	6	85	42	23	10.4	25	9	64
HSK40A-SFSA03-100-M42	03	6	100	42	38	10.4	25	9	78
HSK40A-SFSA04-60-M22	04	7	60	22	18	9.3	20	12	44
HSK40A-SFSA04-65-M22	04	7	65	22	23	9.3	25	12	44
HSK40A-SFSA04-85-M42	04	7	85	42	23	11.4	25	12	64
HSK40A-SFSA04-100-M42	04	7	100	42	38	11.4	25	12	78
HSK40A-SFSA06-65-M22	06	9	65	22	23	11.3	25	18	44
HSK40A-SFSA06-85-M42	06	9	85	42	23	13.4	25	18	64
HSK40A-SFSA06-100-M42	06	9	100	42	38	13.4	25	18	78
HSK40A-SFSA08-65-M22	08	11	65	22	23	13.3	25	24	44
HSK40A-SFSA08-85-M42	08	11	85	42	23	15.4	25	24	64
HSK40A-SFSA08-100-M42	08	11	100	42	38	15.4	25	24	78
HSK40A-SFSA10-65-M22	10	13	65	22	23	15.3	25	30	44
HSK40A-SFSA10-85-M42	10	13	85	42	23	17.4	25	30	64
HSK40A-SFSA10-100-M42	10	13	100	42	38	17.4	25	30	78
HSK40A-SFSA12-65-M22	12	15	65	22	23	17.3	25	30	44
HSK40A-SFSA12-90-M42	12	15	90	42	28	19.4	32	30	68
HSK50A-SFSA03-95-M42	03	6	95	42	27	10.4	25	9	71
HSK50A-SFSA03-125-M42	03	6	125	42	57	10.4	25	9	101
HSK50A-SFSA04-95-M42	04	7	95	42	27	11.4	25	12	71
HSK50A-SFSA04-125-M42	04	7	125	42	57	11.4	25	12	101
HSK50A-SFSA06-95-M42	06	9	95	42	27	13.4	25	18	71
HSK50A-SFSA06-125-M42	06	9	125	42	57	13.4	25	18	101
HSK50A-SFSA08-95-M42	08	11	95	42	27	15.4	25	24	71
HSK50A-SFSA08-125-M42	08	11	125	42	57	15.4	25	24	101
HSK50A-SFSA10-95-M42	10	13	95	42	27	17.4	25	30	71
HSK50A-SFSA10-125-M42	10	13	125	42	57	17.4	25	30	101

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63A-SFSA03-95-M42	03	6	95	42	27	10.4	25	9	70
HSK63A-SFSA03-120-M67	03	6	120	67	27	13	25	9	95
HSK63A-SFSA03-125-M42	03	6	125	42	57	10.4	26	9	100
HSK63A-SFSA03-150-M67	03	6	150	67	57	13	25	9	125
HSK63A-SFSA03-150-M97	03	6	150	97	27	16.2	25	9	125
HSK63A-SFSA03-180-M97	03	6	180	97	57	16.2	25	9	155
HSK63A-SFSA04-95-M42	04	7	95	42	27	11.4	25	12	70
HSK63A-SFSA04-120-M67	04	7	120	67	27	14	25	12	95
HSK63A-SFSA04-125-M42	04	7	125	42	57	11.4	25	12	100
HSK63A-SFSA04-150-M67	04	7	150	67	57	14	25	12	125
HSK63A-SFSA04-150-M97	04	7	150	97	27	17.2	25	12	125
HSK63A-SFSA04-180-M97	04	7	180	97	57	17.2	25	12	155
HSK63A-SFSA06-95-M42	06	9	95	42	27	13.4	25	18	70
HSK63A-SFSA06-120-M67	06	9	120	67	27	16	25	18	95
HSK63A-SFSA06-125-M42	06	9	125	42	57	13.4	25	18	100
HSK63A-SFSA06-150-M67	06	9	150	67	57	16	25	18	125
HSK63A-SFSA06-150-M97	06	9	150	97	27	19.2	32	18	124
HSK63A-SFSA06-180-M97	06	9	180	97	57	19.2	32	18	154
HSK63A-SFSA08-95-M42	08	11	95	42	27	15.4	25	24	70
HSK63A-SFSA08-120-M67	08	11	120	67	27	18	32	24	94
HSK63A-SFSA08-125-M42	08	11	125	42	57	15.4	25	24	100
HSK63A-SFSA08-150-M67	08	11	150	67	57	18	32	24	124
HSK63A-SFSA08-150-M97	08	11	150	97	27	21.2	32	24	124
HSK63A-SFSA08-180-M97	08	11	180	97	57	21.2	32	24	154

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63A-SFSA10-95-M42	10	13	95	42	27	17.4	25	30	70
HSK63A-SFSA10-120-M67	10	13	120	67	27	20	32	30	94
HSK63A-SFSA10-125-M42	10	13	125	42	57	17.4	25	30	100
HSK63A-SFSA10-150-M67	10	13	150	67	57	20	32	30	124
HSK63A-SFSA10-150-M97	10	13	150	97	27	23.2	32	30	124
HSK63A-SFSA10-180-M97	10	13	180	97	57	23.2	36	30	153
HSK63A-SFSA12-95-M42	12	15	95	42	27	19.4	32	30	69
HSK63A-SFSA12-120-M67	12	15	120	67	27	22	32	30	94
HSK63A-SFSA12-125-M42	12	15	125	42	57	19.4	32	30	99
HSK63A-SFSA12-150-M67	12	15	150	67	57	22	32	30	124
HSK63A-SFSA12-150-M97	12	15	150	97	27	25.2	32	30	124
HSK63A-SFSA12-180-M97	12	15	180	97	57	25.2	32	30	154

Shrink Chuck, 3°, Slim, Form A
热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
HSK63A-SFSA03-155-M42	03	6	155	42	33	54	10.4	26	40	9	130
HSK63A-SFSA03-180-M67	03	6	180	67	33	54	13	25	39	9	155
HSK63A-SFSA03-210-M97	03	6	210	97	33	54	16.2	25	39	9	185
HSK63A-SFSA04-155-M42	04	7	155	42	33	54	11.4	25	39	12	130
HSK63A-SFSA04-180-M67	04	7	180	67	33	54	14	26	39	12	155
HSK63A-SFSA04-210-M97	04	7	210	97	33	54	17.2	25	39	12	185
HSK63A-SFSA06-155-M42	06	9	155	42	33	54	13.4	25	39	18	130
HSK63A-SFSA06-180-M67	06	9	180	67	33	54	16	25	39	18	155
HSK63A-SFSA06-210-M97	06	9	210	97	30	57	19.2	32	46	18	184
HSK63A-SFSA08-155-M42	08	11	155	42	33	54	15.4	25	39	24	130
HSK63A-SFSA08-180-M67	08	11	180	67	30	57	18	32	46	24	154
HSK63A-SFSA08-210-M97	08	11	210	97	30	57	21.2	32	46	24	184
HSK63A-SFSA10-155-M42	10	13	155	42	33	54	17.4	25	39	30	130
HSK63A-SFSA10-180-M67	10	13	180	67	30	57	20	32	46	30	154
HSK63A-SFSA10-210-M97	10	13	210	97	30	57	23.2	32	46	30	184
HSK63A-SFSA12-155-M42	12	15	155	42	30	57	19.4	32	46	30	129
HSK63A-SFSA12-180-M67	12	15	180	67	30	57	22	32	46	30	154
HSK63A-SFSA12-210-M97	12	15	210	97	30	57	25.2	32	46	30	184

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK100A-SFSA03-110-M42	03	6	110	42	39	10.4	26	9	80
HSK100A-SFSA03-135-M67	03	6	135	67	39	13	26	9	105
HSK100A-SFSA03-140-M42	03	6	140	42	69	10.4	26	9	110
HSK100A-SFSA03-165-M67	03	6	165	67	69	13	25	9	136
HSK100A-SFSA03-165-M97	03	6	165	97	39	16.2	26	9	135
HSK100A-SFSA03-195-M97	03	6	195	97	69	16.2	25	9	166
HSK100A-SFSA04-110-M42	04	7	110	42	39	11.4	25	12	81
HSK100A-SFSA04-135-M67	04	7	135	67	39	14	25	12	106
HSK100A-SFSA04-140-M42	04	7	140	42	69	11.4	25	12	111
HSK100A-SFSA04-165-M67	04	7	165	67	69	14	25	12	136
HSK100A-SFSA04-165-M97	04	7	165	97	39	17.2	26	12	135
HSK100A-SFSA04-195-M97	04	7	195	97	69	17.2	25	12	166
HSK100A-SFSA06-110-M42	06	9	110	42	39	13.4	25	18	81
HSK100A-SFSA06-135-M67	06	9	135	67	39	16	25	18	106
HSK100A-SFSA06-140-M42	06	9	140	42	69	13.4	25	18	111
HSK100A-SFSA06-165-M67	06	9	165	67	69	16	25	18	136
HSK100A-SFSA06-165-M97	06	9	165	97	39	19.2	32	18	135
HSK100A-SFSA06-195-M97	06	9	195	97	69	19.2	32	18	166

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK100A-SFSA08-110-M42	08	11	110	42	39	15.4	36	24	80
HSK100A-SFSA08-135-M67	08	11	135	67	39	18	32	24	106
HSK100A-SFSA08-140-M42	08	11	140	42	69	15.4	36	24	110
HSK100A-SFSA08-165-M67	08	11	165	67	69	18	36	24	135
HSK100A-SFSA08-165-M97	08	11	165	97	39	21.2	32	24	136
HSK100A-SFSA08-195-M97	08	11	195	97	69	21.2	32	24	166
HSK100A-SFSA10-110-M42	10	13	110	42	39	17.4	25	30	81
HSK100A-SFSA10-135-M67	10	13	135	67	39	20	32	30	106
HSK100A-SFSA10-140-M42	10	13	140	42	69	17.4	25	30	111
HSK100A-SFSA10-165-M67	10	13	165	67	69	20	36	30	135
HSK100A-SFSA10-165-M97	10	13	165	97	39	23.2	32	30	136
HSK100A-SFSA10-195-M97	10	13	195	97	69	23.2	36	30	165
HSK100A-SFSA12-110-M42	12	15	110	42	39	19.4	32	30	79
HSK100A-SFSA12-135-M67	12	15	135	67	39	22	32	30	104
HSK100A-SFSA12-140-M42	12	15	140	42	69	19.4	32	30	109
HSK100A-SFSA12-165-M67	12	15	165	67	69	22	32	30	134
HSK100A-SFSA12-165-M97	12	15	165	97	39	25.2	32	30	134
HSK100A-SFSA12-195-M97	12	15	195	97	69	25.2	36	30	160

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
HSK100A-SFSA03-170-M42	03	6	170	42	33	66	10.4	26	40	9	140
HSK100A-SFSA03-195-M67	03	6	195	67	33	66	13	26	40	9	165
HSK100A-SFSA03-225-M97	03	6	225	97	33	66	16.2	26	40	9	195
HSK100A-SFSA04-170-M42	04	7	170	42	33	66	11.4	26	40	12	140
HSK100A-SFSA04-195-M67	04	7	195	67	33	66	14	25	39	12	166
HSK100A-SFSA04-225-M97	04	7	225	97	33	66	17.2	25	39	12	196
HSK100A-SFSA06-170-M42	06	9	170	42	33	66	13.4	25	39	18	141
HSK100A-SFSA06-195-M67	06	9	195	67	33	66	16	26	39	18	166
HSK100A-SFSA06-225-M97	06	9	225	97	30	69	19.2	32	46	18	196
HSK100A-SFSA08-170-M42	08	11	170	42	28	71	15.4	36	50	24	140
HSK100A-SFSA08-195-M67	08	11	195	67	30	69	18	32	46	24	166
HSK100A-SFSA08-225-M97	08	11	225	97	28	71	21.2	36	50	24	195
HSK100A-SFSA10-170-M42	10	13	170	42	28	71	17.4	36	50	30	140
HSK100A-SFSA10-195-M67	10	13	195	67	28	71	20	36	50	30	165
HSK100A-SFSA10-225-M97	10	13	225	97	30	69	23.2	32	46	30	196
HSK100A-SFSA12-170-M42	12	15	170	42	28	71	19.4	36	50	30	135
HSK100A-SFSA12-195-M67	12	15	195	67	30	69	22	32	46	30	164
HSK100A-SFSA12-225-M97	12	15	225	97	30	69	25.2	32	46	30	194

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK25E-SFSA03-35	03	6	35	17	8	7.8	18	9	29
HSK25E-SFSA03-50	03	6	50	32	8	9.4	18	9	44
HSK25E-SFSA04-35	04	7	35	17	8	8.8	18	12	29
HSK25E-SFSA04-50	04	7	50	32	8	10.4	18	12	44
HSK25E-SFSA5-35	05	8	35	17	8	9.8	18	15	26
HSK25E-SFSA06-35	06	9	35	17	8	10.8	18	18	26
HSK25E-SFSA06-50	06	9	50	32	8	12.4	18	18	39
HSK25E-SFSA1/8"-35	1/8"	6.175	35	17	8	8	18	9	29
HSK25E-SFSA1/8"-50	1/8"	6.175	50	32	8	9.6	18	9	44
HSK32E-SFSA03-50-M22	03	6	50	22	8	8.3	20	9	42
HSK32E-SFSA03-70-M42	03	6	70	42	8	10.4	20	9	62
HSK32E-SFSA03-85-M42	03	6	85	42	23	10.4	25	9	69
HSK32E-SFSA04-50-M22	04	7	50	22	8	9.3	20	12	42
HSK32E-SFSA04-70-M42	04	7	70	42	8	11.4	20	12	62
HSK32E-SFSA04-85-M42	04	7	85	42	23	11.4	25	12	77
HSK32E-SFSA06-70-M42	06	9	70	42	8	13.4	20	18	62
HSK32E-SFSA1/8"-50-M22	1/8"	6.175	50	22	8	9	20	9	42

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK40E-SFSA03-50-M22	03	6	50	22	8	8.3	20	9	42
HSK40E-SFSA03-70-M42	03	6	70	42	8	10.4	20	9	62
HSK40E-SFSA03-85-M42	03	6	85	42	23	10.4	25	9	69
HSK40E-SFSA03-110-M67	03	6	110	67	23	13.0	25	9	94
HSK40E-SFSA04-50-M22	04	7	50	22	8	9.3	20	12	42
HSK40E-SFSA04-70-M42	04	7	70	42	8	11.4	20	12	62
HSK40E-SFSA04-85-M42	04	7	85	42	23	11	25	12	74
HSK40E-SFSA04-110-M67	04	7	110	67	23	14.0	25	12	99
HSK40E-SFSA06-50-M22	06	9	50	22	8	11.3	20	18	39
HSK40E-SFSA06-70-M42	06	9	70	42	8	13.4	20	18	54
HSK40E-SFSA06-85-M42	06	9	85	42	23	13.4	25	18	69
HSK40E-SFSA06-110-M67	06	9	110	67	23	16	25	18	94
HSK40E-SFSA08-60-M22	08	11	60	22	18	13.3	26	24	49
HSK40E-SFSA08-80-M42	08	11	80	42	18	15.4	26	24	64
HSK40E-SFSA08-100-M42	08	11	100	42	38	15.4	25	24	84
HSK40E-SFSA10-60-M22	10	13	60	22	18	15.3	26	30	49
HSK40E-SFSA10-80-M42	10	13	80	42	18	17.4	26	30	64
HSK40E-SFSA10-100-M42	10	13	100	42	38	17.4	25	30	89
HSK40E-SFSA1/8"-50-M22	1/8"	6.175	50	22	8	8.5	20	9	42

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK50E-SFSA03-60-M22	03	6	60	22	12	8.3	20	9	50
HSK50E-SFSA03-75-M22	03	6	75	22	27	8.3	25	9	61
HSK50E-SFSA03-80-M42	03	6	80	42	12	10.4	20	9	70
HSK50E-SFSA03-95-M42	03	6	95	42	27	10.4	25	9	81
HSK50E-SFSA04-75-M22	04	7	75	22	27	9.3	25	12	61
HSK50E-SFSA04-95-M42	04	7	95	42	27	11.4	25	12	81
HSK50E-SFSA06-75-M22	06	9.000	75	22	27	11.3	25	18	61
HSK50E-SFSA06-95-M42	06	9	95	42	27	13.4	25	18	81
HSK50E-SFSA06-120-M67	06	9	120	67	27	16	25	18	106
HSK50E-SFSA06-150-M97	06	9	150	97	27	19.2	32	18	135
HSK50E-SFSA08-65-M22	08	11	65	22	17	13.3	26	24	49
HSK50E-SFSA08-75-M22	08	11	75	22	27	15.4	25	24	61
HSK50E-SFSA08-85-M42	08	11	85	42	17	15.4	26	24	67
HSK50E-SFSA08-95-M42	08	11	95	42	27	15.4	25	24	81
HSK50E-SFSA08-120-M67	08	11	120	67	27	18	32	24	105
HSK50E-SFSA08-150-M97	08	11	150	97	27	21.2	32	24	132
HSK50E-SFSA10-65-M22	10	13	65	22	17	15.3	26	30	49
HSK50E-SFSA10-75-M22	10	13	75	22	27	15.3	25	30	61
HSK50E-SFSA10-85-M42	10	13	85	42	17	17.4	26	30	64
HSK50E-SFSA10-95-M42	10	13	95	42	27	17.4	25	30	81
HSK50E-SFSA10-120-M67	10	13	120	67	27	20	32	30	105
HSK50E-SFSA10-150-M97	10	13	150	97	27	23.2	32	30	64
HSK50E-SFSA12-65-M22	12	15	65	22	17	17.3	26	25	49
HSK50E-SFSA12-75-M22	12	15	75	22	27	17.3	25	30	60
HSK50E-SFSA12-95-M42	12	15	95	42	27	19.4	32	30	80
HSK50E-SFSA12-120-M67	12	15	120	67	27	22	32	30	105

Shrink Chuck, 3°, Slim, Form A

热缩刀柄 3 度，薄壁 A 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63F-SFSA03-75-M37	03	6	75	37	12	9.9	26	9	58
HSK63F-SFSA03-95-M42	03	6	95	42	27	10.4	25	9	78
HSK63F-SFSA04-95-M42	04	7	95	42	27	11.4	25	12	78
HSK63F-SFSA06-75-M37	06	9	75	37	12	12.9	26	18	58
HSK63F-SFSA06-95-M42	06	9	95	42	27	13.4	25	18	78
HSK63F-SFSA08-95-M42	08	11	95	42	27	15.4	25	24	78
HSK63F-SFSA10-95-M42	10	13	95	42	27	17.4	25	30	74
HSK63F-SFSA12-95-M42	12	15	95	42	27	19.4	32	30	74

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
BT40-SFSB06-95-M42	06	10	95	42	26	14.4	25	18	130
BT40-SFSB06-120-M67	06	10	120	67	26	17	25	18	155
BT40-SFSB06-125-M42	06	10	125	42	56	14.4	25	18	160
BT40-SFSB06-150-M67	06	10	150	67	56	17	25	18	185
BT40-SFSB06-150-M97	06	10	150	97	26	20.2	32	18	185
BT40-SFSB06-180-M97	06	10	180	97	56	20.2	32	18	215
BT40-SFSB06-180-M127	06	10	180	127	26	23.3	32	18	215
BT40-SFSB06-210-M127	06	10	210	127	56	23.3	32	18	245
BT40-SFSB06-210-M157	06	10	210	157	26	26.5	32	18	245
BT40-SFSB06-240-M157	06	10	240	157	56	26.5	36	18	275
BT40-SFSB08-95-M42	08	13	95	42	26	17.4	32	24	130
BT40-SFSB08-120-M67	08	13	120	67	26	20	32	24	155
BT40-SFSB08-125-M42	08	13	125	42	56	17.4	36	24	160
BT40-SFSB08-150-M67	08	13	150	67	56	20	32	24	185
BT40-SFSB08-150-M97	08	13	150	97	26	23.2	32	24	185
BT40-SFSB08-180-M97	08	13	180	97	56	23.2	32	24	215
BT40-SFSB08-180-M127	08	13	180	127	26	26.3	32	24	215
BT40-SFSB08-210-M127	08	13	210	127	56	26.3	36	24	245
BT40-SFSB08-210-M157	08	13	210	157	26	29.5	36	24	245
BT40-SFSB08-240-M157	08	13	240	157	56	29.5	42	24	275
BT40-SFSB10-95-M42	10	16	95	42	26	20.4	32	30	130
BT40-SFSB10-120-M67	10	16	120	67	26	23	32	30	155
BT40-SFSB10-125-M42	10	16	125	42	56	20.4	32	30	160
BT40-SFSB10-150-M67	10	16	150	67	56	23	32	30	185
BT40-SFSB10-150-M97	10	16	150	97	26	26.2	32	30	185
BT40-SFSB10-180-M97	10	16	180	97	56	26.2	32	30	215
BT40-SFSB10-180-M127	10	16	180	127	26	29.3	42	30	215
BT40-SFSB10-210-M127	10	16	210	127	56	29.3	50	30	245
BT40-SFSB10-210-M157	10	16	210	157	26	32.5	42	30	245
BT40-SFSB10-240-M127	10	16	240	127	86	29.3	50	30	275
BT40-SFSB10-240-M157	10	16	240	157	56	32.5	50	30	275

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT40-SFSB12-95-M42	12	19	95	42	26	23.4	32	30	130
BT40-SFSB12-120-M67	12	19	120	67	26	26	32	30	155
BT40-SFSB12-125-M42	12	19	125	42	56	23.4	32	30	160
BT40-SFSB12-150-M67	12	19	150	67	56	26	32	30	185
BT40-SFSB12-150-M97	12	19	150	97	26	29.2	42	30	185
BT40-SFSB12-180-M97	12	19	180	97	56	29.2	50	30	215
BT40-SFSB12-180-M127	12	19	180	127	26	32.3	42	30	215
BT40-SFSB12-210-M97	12	19	210	97	86	29.2	50	30	245
BT40-SFSB12-210-M127	12	19	210	127	56	32.3	50	30	245
BT40-SFSB12-210-M157	12	19	210	157	26	35.5	42	30	245
BT40-SFSB12-240-M127	12	19	240	127	86	32.3	50	30	275
BT40-SFSB12-240-M157	12	19	240	157	56	35.5	50	30	275
BT40-SFSB12-270-M157	12	19	270	157	86	35.5	50	30	305
BT40-SFSB16-95-M42	16	24	95	42	26	28.4	42	32	105
BT40-SFSB16-120-M67	16	24	120	67	26	31	42	32	130
BT40-SFSB16-125-M42	16	24	125	42	56	28.4	42	32	135
BT40-SFSB16-150-M67	16	24	150	67	56	31	42	32	160
BT40-SFSB16-150-M97	16	24	150	97	26	34.2	42	32	160
BT40-SFSB16-180-M97	16	24	180	97	56	34.2	50	32	190
BT40-SFSB16-180-M127	16	24	180	127	26	37.3	53	32	190
BT40-SFSB16-210-M97	16	24	210	97	86	34.2	50	32	220
BT40-SFSB16-210-M127	16	24	210	127	56	37.3	50	32	220
BT40-SFSB16-210-M157	16	24	210	157	26	40.5	53	32	220
BT40-SFSB16-240-M127	16	24	240	127	86	37.3	53	32	250
BT40-SFSB16-240-M157	16	24	240	157	56	40.5	50	32	250
BT40-SFSB16-270-M157	16	24	270	157	86	40.5	50	32	280

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT40-SFSB20-95-M42	20	29	95	42	26	33.4	42	40	105
BT40-SFSB20-120-M67	20	29	120	67	26	36	42	40	130
BT40-SFSB20-125-M42	20	29	125	42	56	33.4	42	40	135
BT40-SFSB20-150-M67	20	29	150	67	56	36	42	40	160
BT40-SFSB20-150-M97	20	29	150	97	26	39.2	53	40	160
BT40-SFSB20-180-M67	20	29	180	67	86	36	50	40	190
BT40-SFSB20-180-M97	20	29	180	97	56	39.2	50	40	190
BT40-SFSB20-180-M127	20	29	180	127	26	42.3	53	40	190
BT40-SFSB20-210-M97	20	29	210	97	86	39.2	50	40	220
BT40-SFSB20-210-M127	20	29	210	127	56	42.3	50	40	220
BT40-SFSB20-210-M157	20	29	210	157	26	45.5	50	40	220
BT40-SFSB20-240-M127	20	29	240	127	86	42.3	50	40	250
BT40-SFSB20-240-M157	20	29	240	157	56	45.5	50	40	250
BT40-SFSB20-270-M157	20	29	270	157	86	45.5	50	40	280

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
BT40-SFSB06-155-M42	06	10	155	42	33	53	14.4	25	39	18	190
BT40-SFSB06-180-M67	06	10	180	67	33	53	17	25	39	18	215
BT40-SFSB06-210-M97	06	10	210	97	30	56	20.2	32	46	18	245
BT40-SFSB06-240-M127	06	10	240	127	30	56	23.3	32	46	18	275
BT40-SFSB06-270-M157	06	10	270	157	30	56	26..5	32	46	18	305
BT40-SFSB08-155-M42	08	13	155	42	30	56	17.4	32	46	24	190
BT40-SFSB08-180-M67	08	13	180	67	30	56	20	32	46	24	215
BT40-SFSB08-210-M97	08	13	210	97	30	56	23.2	32	46	24	245
BT40-SFSB08-240-Ml 27	08	13	240	127	30	56	26.3	32	46	24	275
BT40-SFSB08-270-M157	08	13	270	157	28	58	29.5	42	53	24	305
BT40-SFSB10-155-M42	10	16	155	42	30	56	20.4	32	46	30	190
BT40-SFSB10-180-M67	10	16	180	67	30	56	23	32	46	30	215
BT40-SFSB10-210-M97	10	16	210	97	30	56	26.2	32	46	30	245
BT40-SFSB10-270-M157	10	16	270	157	28	58	32.5	42	53	30	305
BT40-SFSB12-155-M42	12	19	155	42	30	56	23.4	32	46	30	190
BT40-SFSB12-180-M67	12	19	180	67	28	58	26	36	50	30	215
BT40-SFSB16-155-M42	16	24	155	42	28	58	28.4	42	53	32	165
BT40-SFSB16-180-M67	16	24	180	67	28	58	31	42	53	32	190
BT40-SFSB20-155-M42	20	29	155	42	28	58	33.4	42	53	40	165

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT50-SFSB06-110-M42	06	10	110	42	30	14.4	25	18	165
BT50-SFSB06-135-M67	06	10	135	67	30	17	25	18	190
BT50-SFSB06-140-M42	06	10	140	42	60	14.4	25	18	195
BT50-SFSB06-165-M67	06	10	165	67	60	17	25	18	220
BT50-SFSB06-165-M97	06	10	165	97	30	20.2	32	18	220
BT50-SFSB06-195-M97	06	10	195	97	60	20.2	32	18	250
BT50-SFSB06-195-Ml 27	06	10	195	127	30	23.3	32	18	250
BT50-SFSB06-225-M127	06	10	225	127	60	23.3	32	18	280
BT50-SFSB06-225-M157	06	10	225	157	30	26.5	32	18	280
BT50-SFSB06-255-M157	06	10	255	157	60	26.5	32	18	310
BT50-SFSB08-110-M42	08	13	110	42	30	17.4	32	24	165
BT50-SFSB08-135-M67	08	13	135	67	30	20	32	24	190
BT50-SFSB08-140-M42	08	13	140	42	60	17.4	32	24	195
BT50-SFSB08-165-M67	08	13	165	67	60	20	32	24	220
BT50-SFSB08-165-M97	08	13	165	97	30	23.2	32	24	220
BT50-SFSB08-195-M97	08	13	195	97	60	23.2	32	24	250
BT50-SFSB08-195-M127	08	13	195	127	30	26.3	32	24	250
BT50-SFSB08-225-M127	08	13	225	127	60	26.3	32	24	280
BT50-SFSB08-225-M157	08	13	225	157	30	29.5	42	24	280
BT50-SFSB08-255-M157	08	13	255	157	60	29.5	42	24	310

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
BT50-SFSB10-110-M42	10	16	110	42	30	20.4	32	30	165
BT50-SFSB10-135-M67	10	16	135	67	30	23	32	30	190
BT50-SFSB10-140-M42	10	16	140	42	60	20.4	32	30	195
BT50-SFSB10-165-M67	10	16	165	67	60	23	32	30	220
BT50-SFSB10-165-M97	10	16	165	97	30	26.2	32	30	220
BT50-SFSB10-195-M97	10	16	195	97	60	26.2	32	30	250
BT50-SFSB10-195-M127	10	16	195	127	30	29.3	42	30	250
BT50-SFSB10-225-M127	10	16	225	127	60	29.3	42	30	280
BT50-SFSB10-225-M157	10	16	225	157	30	32.5	42	30	280
BT50-SFSB10-255-M157	10	16	255	157	60	32.5	42	30	310
BT50-SFSB12-110-M42	12	19	110	42	30	23.4	32	30	165
BT50-SFSB12-135-M67	12	19	135	67	30	26	32	30	190
BT50-SFSB12-140-M42	12	19	140	42	60	23.4	32	30	195
BT50-SFSB12-165-M67	12	19	165	67	60	26	32	30	220
BT50-SFSB12-165-M97	12	19	165	97	30	29.2	42	30	220
BT50-SFSB12-195-M97	12	19	195	97	60	29.2	42	30	250
BT50-SFSB12-195-M127	12	19	195	127	30	32.3	42	30	250
BT50-SFSB12-225-M127	12	19	225	127	60	32.3	42	30	280
BT50-SFSB12-225-M157	12	19	225	157	30	35.5	42	30	280
BT50-SFSB12-255-M157	12	19	255	157	60	35.5	42	30	310

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT50-SFSB16-110-M42	16	24	110	42	30	28.4	42	32	165
BT50-SFSB16-135-M67	16	24	135	67	30	31	42	32	190
BT50-SFSB16-140-M42	16	24	140	42	60	28.4	42	32	195
BT50-SFSB16-165-M67	16	24	165	67	60	31	42	32	220
BT50-SFSB16-165-M97	16	24	165	97	30	34.2	42	32	220
BT50-SFSB16-195-M97	16	24	195	97	60	34.2	42	32	250
BT50-SFSB16-195-M127	16	24	195	127	30	37.3	53	32	250
BT50-SFSB16-225-M127	16	24	225	127	60	37.3	53	32	280
BT50-SFSB16-225-M157	16	24	225	157	30	40.5	53	32	280
BT50-SFSB16-255-M157	16	24	255	157	60	40.5	53	32	310
BT50-SFSB20-110-M42	20	29	110	42	30	33.4	42	40	165
BT50-SFSB20-135-M67	20	29	135	67	30	36	42	40	190
BT50-SFSB20-140-M42	20	29	140	42	60	33.4	42	40	195
BT50-SFSB20-165-M67	20	29	165	67	60	36	42	40	220
BT50-SFSB20-165-M97	20	29	165	97	30	39.2	53	40	220
BT50-SFSB20-195-M97	20	29	195	97	60	39.2	53	40	250
BT50-SFSB20-195-M127	20	29	195	127	30	42.3	53	40	250
BT50-SFSB20-225-M127	20	29	225	127	60	42.3	53	40	280
BT50-SFSB20-225-M157	20	29	225	157	30	45.5	53	40	280
BT50-SFSB20-255-M157	20	29	255	157	60	45.5	53	40	310

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
BT50-SFSB06-170-M42	06	10	170	42	33	57	14.4	25	39	18	225
BT50-SFSB06-195-M67	06	10	195	67	33	57	17	25	39	18	250
BT50-SFSB06-225-M97	06	10	225	97	30	60	20.2	32	46	18	280
BT50-SFSB06-255-M127	06	10	255	127	30	60	23.3	32	46	18	310
BT50-SFSB06-285-M157	06	10	285	157	30	60	26.5	32	46	18	340
BT50-SFSB08-170-M42	08	13	170	42	30	60	17.4	32	46	24	225
BT50-SFSB08-195-M67	08	13	195	67	30	60	20	32	46	24	250
BT50-SFSB08-225-M97	08	13	225	97	30	60	23.2	32	46	24	280
BT50-SFSB08-255-M127	08	13	255	127	30	60	26.3	32	46	24	310
BT50-SFSB08-285-M157	08	13	285	157	28	62	29.5	42	56	24	340
BT50-SFSB10-170-M42	10	16	170	42	28	62	20.4	36	50	30	225
BT50-SFSB10-195-M67	10	16	195	67	30	60	23	32	46	30	250
BT50-SFSB10-225-M97	10	16	225	97	30	60	26.2	32	46	30	280
BT50-SFSB10-255-M127	10	16	255	127	28	62	29.3	42	56	30	310
BT50-SFSB10-285-M157	10	16	285	157	28	62	32.5	42	56	30	340
BT50-SFSB12-170-M42	12	19	170	42	28	62	23.4	36	50	30	225
BT50-SFSB12-195-M67	12	19	195	67	30	60	26	32	46	30	250
BT50-SFSB12-225-M97	12	19	225	97	28	62	29.2	42	56	30	280
BT50-SFSB12-225-M127	12	19	255	127	28	62	32.3	42	56	30	310
BT50-SFSB12-285-M157	12	19	285	157	28	62	35.5	42	56	30	340
BT50-SFSB16-170-M42	16	24	170	42	28	62	28.4	42	56	32	225
BT50-SFSB16-195-M67	16	24	195	67	28	62	31.0	42	56	32	250
BT50-SFSB16-225-M97	16	24	225	97	28	62	34.2	42	56	32	280
BT50-SFSB16-255-M127	16	24	255	127	28	62	37.3	53	67	32	310
BT50-SFSB16-285-M157	16	24	285	157	28	62	40.5	53	67	32	340
BT50-SFSB20-170-M42	20	29	170	42	28	62	33.4	42	58	40	225
BT50-SFSB20-195-M67	20	29	195	67	28	62	36.0	42	58	40	250
BT50-SFSB20-225-M97	20	29	225	97	28	62	39.2	53	67	40	280
BT50-SFSB20-255-M127	20	29	255	127	28	62	42.3	53	67	40	310
BT50-SFSB20-285-M157	20	29	285	157	28	62	45.5	53	67	40	340

Shrink Chuck, 3°, Slim, Form B
热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63A-SFSB06-95-M42	06	10	95	42	27	14.4	25	18	70
HSK63A-SFSB06-120-M67	06	10	120	67	27	17	25	18	95
HSK63A-SFSB06-125-M42	06	10	125	42	57	14.4	25	18	100
HSK63A-SFSB06-150-M67	06	10	150	67	57	17	25	18	125
HSK63A-SFSB06-150-M97	06	10	150	97	27	20.2	32	18	124
HSK63A-SFSB06-180-M97	06	10	180	97	57	20.2	32	18	154
HSK63A-SFSB06-180-M127	06	10	180	127	27	23.3	32	18	154
HSK63A-SFSB06-210-M127	06	10	210	127	57	23.3	32	18	184
HSK63A-SFSB06-210-M157	06	10	210	157	27	26.5	32	18	184
HSK63A-SFSB06-240-M157	06	10	240	157	57	26.5	32	18	214
HSK63A-SFSB08-95-M42	08	13	95	42	27	17.4	32	24	69
HSK63A-SFSB08-120-M67	08	13	120	67	27	20	32	24	94
HSK63A-SFSB08-125-M42	08	13	125	42	57	17.4	32	24	99
HSK63A-SFSB08-150-M67	08	13	150	67	57	20	32	24	124
HSK63A-SFSB08-150-M97	08	13	150	97	27	23.2	32	24	124
HSK63A-SFSB08-180-M97	08	13	180	97	57	23.2	32	24	154
HSK63A-SFSB08-180-M127	08	13	180	127	27	26.3	32	24	154
HSK63A-SFSB08-210-M127	08	13	210	127	57	26.3	32	24	184
HSK63A-SFSB08-210-M157	08	13	210	157	27	29.5	42	24	185
HSK63A-SFSB08-240-M157	08	13	240	157	57	29.5	42	24	214
HSK63A-SFSB10-95-M42	10	16	95	42	27	20.4	32	30	69
HSK63A-SFSB10-120-M67	10	16	120	67	27	23	32	30	94
HSK63A-SFSB10-125-M42	10	16	125	42	57	20.4	32	30	99
HSK63A-SFSB10-150-M67	10	16	150	67	57	23	32	30	124
HSK63A-SFSB10-150-M97	10	16	150	97	27	26.2	32	30	124
HSK63A-SFSB10-180-M97	10	16	180	97	57	26.2	32	30	154
HSK63A-SFSB10-180-M127	10	16	180	127	27	29.3	42	30	155
HSK63A-SFSB10-210-M127	10	16	210	127	57	29.3	42	30	182
HSK63A-SFSB10-210-M157	10	16	210	157	27	32.5	42	30	185
HSK63A-SFSB10-240-M127	10	16	240	127	87	29.3	42	30	215
HSK63A-SFSB10-240-M157	10	16	240	157	57	32.5	42	30	215

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63A-SFSB12-95-M42	12	19	95	42	27	23.4	32	30	69
HSK63A-SFSB12-120-M67	12	19	120	67	27	26	32	30	94
HSK63A-SFSB12-125-M42	12	19	125	42	57	23.4	32	30	99
HSK63A-SFSB12-150-M67	12	19	150	67	57	26	32	30	124
HSK63A-SFSB12-150-M97	12	19	150	97	27	29.2	42	30	125
HSK63A-SFSB12-180-M97	12	19	180	97	57	29.2	42	30	152
HSK63A-SFSB12-180-M127	12	19	180	127	27	32.3	42	30	155
HSK63A-SFSB12-210-M97	12	19	210	97	87	29.2	50	30	180
HSK63A-SFSB12-210-M127	12	19	210	127	57	32.3	50	30	180
HSK63A-SFSB12-210-M157	12	19	210	157	27	35.5	42	30	185
HSK63A-SFSB12-240-M127	12	19	240	127	87	32.3	50	30	215
HSK63A-SFSB12-240-M157	12	19	240	157	57	35.5	50	30	215
HSK63A-SFSB16-95-M42	16	24	95	42	27	28.4	42	32	70
HSK63A-SFSB16-120-M67	16	24	120	67	27	31	42	32	95
HSK63A-SFSB16-125-M42	16	24	125	42	57	28.4	42	32	97
HSK63A-SFSB16-150-M67	16	24	150	67	57	31	42	32	122
HSK63A-SFSB16-150-M97	16	24	150	97	27	34.2	42	32	125
HSK63A-SFSB16-155-M42	16	24	155	42	87	28.4	50	32	130
HSK63A-SFSB16-180-M97	16	24	180	97	57	34.2	42	32	152
HSK63A-SFSB16-180-M127	16	24	180	127	27	37.3	53	32	155
HSK63A-SFSB16-210-M97	16	24	210	97	87	34.2	50	32	185
HSK63A-SFSB16-210-M127	16	24	210	127	57	37.3	53	32	181
HSK63A-SFSB16-210-M157	16	24	210	157	27	40.5	53	32	185
HSK63A-SFSB16-240-M127	16	24	240	127	87	37.3	53	32	211
HSK63A-SFSB16-240-M157	16	24	240	157	57	40.5	50	32	215
HSK63A-SFSB16-270-M157	16	24	270	157	87	40.5	53	32	241

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63A-SFSB20-95-M42	20	29	95	42	27	33.4	42	40	70
HSK63A-SFSB20-120-M67	20	29	120	67	27	36	42	40	95
HSK63A-SFSB20-125-M42	20	29	125	42	57	33.4	42	40	97
HSK63A-SFSB20-150-M67	20	29	150	67	57	36	42	40	122
HSK63A-SFSB20-150-M97	20	29	150	97	27	39.2	53	40	125
HSK63A-SFSB20-155-M42	20	29	155	42	87	33.4	50	40	130
HSK63A-SFSB20-180-M97	20	29	180	97	57	39.2	53	40	151
HSK63A-SFSB20-180-M127	20	29	180	127	27	42.3	53	40	155
HSK63A-SFSB20-210-M97	20	29	210	97	87	39.2	53	40	181
HSK63A-SFSB20-210-M127	20	29	210	127	57	42.3	53	40	181
HSK63A-SFSB20-210-M157	20	29	210	157	27	45.5	53	40	185
HSK63A-SFSB20-240-M127	20	29	240	127	87	42.3	50	40	215
HSK63A-SFSB20-240-M157	20	29	240	157	57	45.5	53	40	211
HSK63A-SFSB20-270-M157	20	29	270	157	87	45.5	50	40	245

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	C3	H	h
HSK63A-SFSB06-155-M42	06	10	155	42	33	14.4	25	39	18	130
HSK63A-SFSB06-180-M67	06	10	180	67	33	17	25	39	18	155
HSK63A-SFSB06-210-M97	06	10	210	97	30	20.2	32	46	18	184
HSK63A-SFSB06-240-M127	06	10	240	127	30	23.3	32	46	18	214
HSK63A-SFSB06-270-M157	06	10	270	157	30	26.5	32	46	18	244
HSK63A-SFSB08-155-M42	08	13	155	42	30	17.4	32	46	24	129
HSK63A-SFSB08-180-M67	08	13	180	67	30	20	32	46	24	154
HSK63A-SFSB08-210-M97	08	13	210	97	30	23.2	32	46	24	184
HSK63A-SFSB08-240-M127	08	13	240	127	30	26.3	32	46	24	214
HSK63A-SFSB08-270-M157	08	13	270	157	28	29.5	42	53	24	242
HSK63A-SFSB10-155-M42	10	16	155	42	28	20.4	36	50	30	128
HSK63A-SFSB10-180-M67	10	16	180	67	30	23	32	46	30	154
HSK63A-SFSB10-210-M97	10	16	210	97	28	26.2	36	50	30	180
HSK63A-SFSB10-270-M157	10	16	270	157	28	32.5	42	53	30	245
HSK63A-SFSB12-155-M42	12	19	155	42	30	23.4	32	46	30	129
HSK63A-SFSB12-180-M67	12	19	180	67	30	26	32	46	30	154
HSK63A-SFSB12-270-M157	12	19	270	157	28	35.5	42	53	30	242
HSK63A-SFSB16-180-M67	16	24	180	67	28	31	42	53	32	152
HSK63A-SFSB20-180-M67	20	29	180	67	28	36.0	42	53	40	152

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
HSK100A-SFSB06-110-M42	06	10	110	42	39	14.4	25	18	81
HSK100A-SFSB06-135-M67	06	10	135	67	39	17	25	18	106
HSK100A-SFSB06-140-M42	06	10	140	42	69	14.4	25	18	111
HSK100A-SFSB06-165-M67	06	10	165	67	69	17	25	18	136
HSK100A-SFSB06-165-M97	06	10	165	97	39	20.2	32	18	136
HSK100A-SFSB06-195-M97	06	10	195	97	69	20.2	36	18	165
HSK100A-SFSB06-195-M127	06	10	195	127	39	23.3	32	18	166
HSK100A-SFSB06-225-M127	06	10	225	127	69	23.3	32	18	196
HSK100A-SFSB06-225-M157	06	10	225	157	39	26.5	32	18	196
HSK100A-SFSB06-255-M157	06	10	255	157	39	26.5	32	18	226
HSK100A-SFSB08-110-M42	08	13	110	42	39	17.4	32	24	81
HSK100A-SFSB08-135-M67	08	13	135	67	39	20	32	24	106
HSK100A-SFSB08-140-M42	08	13	140	42	69	17.4	32	24	111
HSK100A-SFSB08-165-M67	08	13	165	67	69	20	32	24	136
HSK100A-SFSB08-165-M97	08	13	165	97	39	23.2	32	24	136
HSK100A-SFSB08-195-M97	08	13	195	97	69	23.2	32	24	166
HSK100A-SFSB08-195-M127	08	13	195	127	39	26.3	32	24	166
HSK100A-SFSB08-225-M127	08	13	225	127	69	26.3	32	24	196
HSK100A-SFSB08-225-M157	08	13	225	157	39	29.5	42	24	196
HSK100A-SFSB08-255-M157	08	13	255	157	69	29.5	42	24	226
HSK100A-SFSB10-110-M42	10	16	110	42	39	20.4	32	30	81
HSK100A-SFSB10-135-M67	10	16	135	67	39	23	32	30	106
HSK100A-SFSB10-140-M42	10	16	140	42	69	20.4	32	30	111
HSK100A-SFSB10-165-M67	10	16	165	67	69	23	32	30	136
HSK100A-SFSB10-165-M97	10	16	165	97	39	26.2	32	30	136
HSK100A-SFSB10-195-M97	10	16	195	97	69	26.2	32	30	166
HSK100A-SFSB10-195-M127	10	16	195	127	39	29.3	42	30	166
HSK100A-SFSB10-225-M127	10	16	225	127	69	29.3	42	30	196
HSK100A-SFSB10-225-M157	10	16	225	157	39	32.5	42	30	196
HSK100A-SFSB10-255-M127	10	16	255	127	99	29.3	50	30	225
HSK100A-SFSB10-255-M157	10	16	255	157	69	32.5	42	30	226
HSK100A-SFSB10-285-M157	10	16	285	157	99	32.5	50	30	255

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK100A-SFSB12-110-M42	12	19	110	42	39	23.4	32	30	79
HSK100A-SFSB12-135-M67	12	19	135	67	39	26	32	30	104
HSK100A-SFSB12-140-M42	12	19	140	42	69	23.4	32	30	109
HSK100A-SFSB12-165-M67	12	19	165	67	69	26	32	30	134
HSK100A-SFSB12-165-M97	12	19	165	97	39	29.2	42	30	133
HSK100A-SFSB12-195-M97	12	19	195	97	69	29.2	50	30	160
HSK100A-SFSB12-195-M127	12	19	195	127	39	32.3	42	30	163
HSK100A-SFSB12-225-M97	12	19	225	97	99	29.2	50	30	190
HSK100A-SFSB12-225-M127	12	19	225	127	69	32.3	42	30	192
HSK100A-SFSB12-225-M157	12	19	225	157	39	35.5	42	30	193
HSK100A-SFSB12-255-M127	12	19	255	127	28	32.3	42	30	222
HSK100A-SFSB12-255-M157	12	19	255	157	69	35.5	42	30	222
HSK100A-SFSB12-285-M157	12	19	285	157	28	35.5	42	30	252
HSK100A-SFSB16-110-M42	16	24	110	42	39	28.4	42	32	78
HSK100A-SFSB16-135-M67	16	24	135	67	39	31	42	32	103
HSK100A-SFSB16-140-M42	16	24	140	42	69	28.4	42	32	107
HSK100A-SFSB16-165-M67	16	24	165	67	69	31	42	32	132
HSK100A-SFSB16-165-M97	16	24	165	97	39	34.2	42	32	133
HSK100A-SFSB16-170-M42	16	24	170	42	99	28.4	50	32	135
HSK100A-SFSB16-195-M67	16	24	195	67	99	31	50	32	160
HSK100A-SFSB16-195-M97	16	24	195	97	69	34.2	42	32	162
HSK100A-SFSB16-195-M127	16	24	195	127	39	37.3	50	32	160
HSK100A-SFSB16-225-M97	16	24	225	97	99	34.2	50	32	190
HSK100A-SFSB16-225-M127	16	24	225	127	69	37.3	53	32	193
HSK100A-SFSB16-225-M157	16	24	225	157	39	40.5	53	32	220
HSK100A-SFSB16-255-M157	16	24	255	157	69	40.5	53	32	220

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK100A-SFSB20-110-M42	20	29	110	42	39	33.4	42	40	78
HSK100A-SFSB20-135-M67	20	29	135	67	39	36	42	40	103
HSK100A-SFSB20-140-M42	20	29	140	42	69	33.4	42	40	107
HSK100A-SFSB20-165-M67	20	29	165	67	69	36	42	40	132
HSK100A-SFSB20-165-M97	20	29	165	97	39	39.2	53	40	133
HSK100A-SFSB20-195-M67	20	29	195	67	28	36	42	40	162
HSK100A-SFSB20-195-M97	20	29	195	97	69	39.2	53	40	162
HSK100A-SFSB20-195-M127	20	29	195	127	39	42.3	53	40	163
HSK100A-SFSB20-225-M97	20	29	225	97	28	39.2	53	40	190
HSK100A-SFSB20-225-M127	20	29	225	127	69	42.3	50	40	190
HSK100A-SFSB20-225-M157	20	29	225	157	39	45.5	53	40	193
HSK100A-SFSB20-255-M127	20	29	255	127	99	42.3	50	40	220
HSK100A-SFSB20-255-M157	20	29	255	157	69	45.5	53	40	220

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
HSK100A-SFSB06-170-M42	06	10	170	42	33	66	14.4	26	40	18	140
HSK100A-SFSB06-195-M67	06	10	195	67	33	66	17	25	39	18	166
HSK100A-SFSB06-225-M97	06	10	225	97	28	71	20.2	36	50	18	195
HSK100A-SFSB06-255-M127	06	10	255	127	30	69	23.3	32	46	18	226
HSK100A-SFSB06-285-M157	06	10	285	157	30	69	26.5	32	46	18	256
HSK100A-SFSB08-170-M42	08	13	170	42	28	71	17.4	36	50	24	140
HSK100A-SFSB08-195-M67	08	13	195	67	30	69	20	32	46	24	166
HSK100A-SFSB08-225-M97	08	13	225	97	30	69	23.2	32	46	24	196
HSK100A-SFSB08-255-M127	08	13	255	127	30	69	26.3	32	46	24	226
HSK100A-SFSB08-285-M157	08	13	285	157	28	71	29.5	42	56	24	256
HSK100A-SFSB10-170-M42	10	16	170	42	30	69	20.4	32	46	30	141
HSK100A-SFSB10-195-M67	10	16	195	67	30	69	23	32	46	30	166
HSK100A-SFSB10-225-M97	10	16	225	97	30	69	26.2	32	46	30	196
HSK100A-SFSB12-170-M42	12	19	170	42	28	71	23.4	36	50	30	135
HSK100A-SFSB12-195-M67	12	19	195	67	30	69	26	32	46	30	164
HSK100A-SFSB12-255-M127	12	19	255	127	28	71	32.3	42	56	30	222
HSK100A-SFSB12-285-M157	12	19	285	157	28	71	35.5	42	56	30	252
HSK100A-SFSB16-255-M127	16	24	255	127	28	71	37.3	53	67	32	220
HSK100A-SFSB16-285-M157	16	24	285	157	28	71	40.5	53	67	32	250
HSK100A-SFSB20-170-M42	20	29	170	42	28	71	33.4	42	56	40	137
HSK100A-SFSB20-195-M67	20	29	195	67	28	71	36	42	56	40	162
HSK100A-SFSB20-225-M97	20	29	225	97	28	71	39	53	67	40	190
HSK100A-SFSB20-285-M157	20	29	285	157	28	71	45.5	53	67	40	250

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK50E-SFSB06-95-M42	06	10	95	42	27	14.4	25	18	81
HSK50E-SFSB06-120-M67	06	10	120	67	27	17	25	18	106
HSK50E-SFSB06-150-M97	06	10	150	97	27	20.2	32	18	135
HSK50E-SFSB08-95-M42	08	13	95	42	27	17.4	32	24	80
HSK50E-SFSB08-120-M67	08	13	120	67	27	20	32	24	105
HSK50E-SFSB08-150-M97	08	13	150	97	27	23.2	32	24	135
HSK50E-SFSB10-95-M42	10	16	95	42	27	20.4	32	30	80
HSK50E-SFSB10-120-M67	10	16	120	67	27	23	32	30	105
HSK50E-SFSB10-150-M97	10	16	150	97	27	26.2	32	30	135
HSK50E-SFSB12-95-M42	12	19	95	42	27	23.4	32	30	80
HSK50E-SFSB12-120-M67	12	19	120	67	27	26	32	30	105
HSK50E-SFSB12-150-M97	12	19	150	97	27	29.2	32	30	135
HSK50E-SFSB16-95-M42	16	24	95	42	27	28.4	42	32	82
HSK50E-SFSB16-120-M67	16	24	120	67	27	31	42	32	107
HSK50E-SFSB20-95-M42	20	29	95	42	27	33.4	42	40	82

Shrink Chuck, 3°, Slim, Form B

热缩刀柄 3 度，薄壁 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63F-SFSB06-95-M42	06	10	95	42	27	14.4	25	18	78
HSK63F-SFSB08-95-M42	08	13	95	42	27	17.4	32	24	78
HSK63F-SFSB10-95-M42	10	16	95	42	27	20.4	32	30	74
HSK63F-SFSB12-95-M42	12	19	95	42	27	23.4	32	30	74

Shrink Chuck, 3°, Regular, Form A

热缩刀柄 3 度，标准 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT30-SFRA03-75-M22	03	7.5	75	22	31	9.8	25	9	99
BT30-SFRA04-75-M22	04	10	75	22	31	12.3	25	12	99
BT30-SFRA06-75-M22	06	12	75	22	31	14.3	25	18	99
BT30-SFRA08-75-M22	08	14	75	22	31	16.3	25	24	99
BT30-SFRA10-75-M22	10	16	75	22	31	18.3	25	30	99
BT30-SFRA12-75-M22	12	20	75	22	31	22.3	25	30	99
BT30-SFRA16-60-M22	16	26	60	22	16	28.3	34	32	60
BT30-SFRA20-65-M22	20	32	65	22	21	34.3	40	38	60
BT40-SFRA03-75-M22	03	7.5	75	22	26	9.8	25	9	110
BT40-SFRA03-95-M42	03	7.5	95	42	26	11.9	25	9	130
BT40-SFRA03-105-M22	03	7.5	105	22	56	9.8	26	9	140
BT40-SFRA03-120-M67	03	7.5	120	67	26	14.5	26	9	155
BT40-SFRA03-125-M42	03	7.5	125	42	56	11.9	26	9	160
BT40-SFRA03-150-M67	03	7.5	150	67	56	14.5	26	9	185
BT40-SFRA03-150-M97	03	7.5	150	97	26	17.7	26	9	185
BT40-SFRA03-180-M97	03	7.5	180	97	56	17.7	26	9	215
BT40-SFRA03-180-M127	03	7.5	180	127	26	20.8	36	9	215
BT40-SFRA03-210-M127	03	7.5	210	127	56	20.8	36	9	245
BT40-SFRA04-75-M22	04	10	75	22	26	12.3	25	12	110
BT40-SFRA04-95-M42	04	10	95	42	26	14.4	26	12	130
BT40-SFRA04-105-M22	04	10	105	22	56	12.3	26	12	140
BT40-SFRA04-120-M67	04	10	120	67	26	17	25	12	155
BT40-SFRA04-125-M42	04	10	125	42	56	14.4	26	12	160
BT40-SFRA04-150-M67	04	10	150	67	56	17	25	12	185
BT40-SFRA04-150-M97	04	10	150	97	26	20.2	25	12	185
BT40-SFRA04-180-M97	04	10	180	97	56	20.2	26	12	215
BT40-SFRA04-180-M127	04	10	180	127	26	23.3	36	12	215
BT40-SFRA04-210-M127	04	10	210	127	56	23.3	36	12	245

Shrink Chuck, 3°, Regular, Form A
热缩刀柄 3 度，标准 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
BT40-SFRA03-135-M22	03	7.5	135	22	33	53	9.8	25	39	9	170
BT40-SFRA03-155-M42	03	7.5	155	42	33	53	11.9	26	40	9	190
BT40-SFRA03-180-M67	03	7.5	180	67	33	53	14.5	26	40	9	215
BT40-SFRA03-210-M97	03	7.5	210	97	33	53	17.7	26	40	9	245
BT40-SFRA03-240-M127	03	7.5	240	127	28	58	20.8	36	50	9	275
BT40-SFRA04-135-M22	04	10	135	22	33	53	12.3	26	40	12	170
BT40-SFRA04-155-M42	04	10	155	42	33	53	14.4	26	40	12	190
BT40-SFRA04-180-M67	04	10	180	67	33	53	17	25	39	12	215
BT40-SFRA04-210-M97	04	10	210	97	33	53	20.2	26	40	12	245
BT40-SFRA04-240-M127	04	10	240	127	28	58	23.3	36	50	12	275

Shrink Chuck, 3°, Regular, Form A

热缩刀柄 3 度，标准 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT50-SFRA03-90-M22	03	7.5	90	22	30	9.8	25	9	145
BT50-SFRA03-110-M42	03	7.5	110	42	30	11.9	26	9	165
BT50-SFRA03-120-M22	03	7.5	120	22	60	9.8	26	9	175
BT50-SFRA03-135-M67	03	7.5	135	67	30	14.5	26	9	190
BT50-SFRA03-140-M42	03	7.5	140	42	60	11.9	26	9	195
BT50-SFRA03-165-M67	03	7.5	165	67	60	14.5	26	9	220
BT50-SFRA03-165-M97	03	7.5	165	97	30	17.7	26	9	220
BT50-SFRA03-195-M97	03	7.5	195	97	60	17.7	26	9	250
BT50-SFRA03-195-M127	03	7.5	195	127	30	20.8	32	9	250
BT50-SFRA03-225-M127	03	7.5	225	127	60	20.8	36	9	280
BT50-SFRA04-90-M22	04	10	90	22	30	12.3	25	12	145
BT50-SFRA04-110-M42	04	10	110	42	30	14.4	26	12	165
BT50-SFRA04-120-M22	04	10	120	22	60	12.3	25	12	175
BT50-SFRA04-135-M67	04	10	135	67	30	17	26	12	190
BT50-SFRA04-140-M42	04	10	140	42	60	14.4	26	12	195
BT50-SFRA04-165-M67	04	10	165	67	60	17	26	12	220
BT50-SFRA04-165-M97	04	10	165	97	30	20.2	26	12	220
BT50-SFRA04-195-M97	04	10	195	97	60	20.2	26	12	250
BT50-SFRA04-195-M127	04	10	195	127	30	23.3	36	12	250
BT50-SFRA04-225-M127	04	10	225	127	60	23.3	36	12	280

Shrink Chuck, 3°, Regular, Form A

热缩刀柄 3 度，标准 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
BT50-SFRA03-150-M22	03	7.5	150	22	33	57	9.8	25	39	9	205
BT50-SFRA03-170-M42	03	7.5	170	42	33	57	11.9	25	40	9	225
BT50-SFRA03-195-M67	03	7.5	195	67	33	57	14.5	25	40	9	250
BT50-SFRA03-225-M97	03	7.5	225	97	33	57	17.7	26	40	9	280
BT50-SFRA03-255-M127	03	7.5	255	127	30	60	20.8	32	46	9	310
BT50-SFRA04-150-M22	04	10	150	22	33	57	12.3	25	39	12	205
BT50-SFRA04-170-M42	04	10	170	42	33	57	14.4	26	40	12	225
BT50-SFRA04-195-M67	04	10	195	67	33	57	17	26	40	12	250
BT50-SFRA04-225-M97	04	10	225	97	33	57	20.2	26	40	12	280
BT50-SFRA04-255-M127	04	10	255	127	30	60	23.3	32	46	12	310

Shrink Chuck, 3°, Regular, Form A

热缩刀柄 3 度，标准 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK40A-SFRA03-65-M22	03	7.5	65	22	23	9.8	25	9	44
HSK40A-SFRA03-85-M42	03	7.5	85	42	23	11.9	25	9	64
HSK40A-SFRA04-65-M22	04	10	65	22	23	12.3	25	12	44
HSK40A-SFRA04-85-M42	04	10	85	42	23	14.4	25	12	64
HSK40A-SFRA06-65-M22	06	12	65	22	23	14.3	25	18	44
HSK40A-SFRA06-85-M42	06	12	85	42	23	16.4	25	18	64
HSK40A-SFRA08-65-M22	08	14	65	22	23	16.3	25	24	44
HSK40A-SFRA08-85-M42	08	14	85	42	23	18.4	25	24	64
HSK40A-SFRA10-65-M22	10	16	65	22	23	18.3	25	30	44
HSK40A-SFRA10-90-M42	10	16	90	42	28	20.4	32	30	60
HSK40A-SFRA12-65-M22	12	20	65	22	23	22.3	25	30	44
HSK40A-SFRA16-65-M22	16	26	65	22	23	28.3	34	32	43
HSK40A-SFRA20-70-M50	20	32	70	50	-	34	-	38	48
HSK50A-SFRA03-75-M22	03	7.5	75	22	27	9.8	25	9	49
HSK50A-SFRA03-95-M42	03	7.5	95	42	27	11.9	25	9	69
HSK50A-SFRA03-125-M42	03	7.5	125	42	57	11.9	25	9	100
HSK50A-SFRA04-75-M22	04	10	75	22	27	12.3	25	12	49
HSK50A-SFRA04-95-M42	04	10	95	42	27	14.4	25	12	69
HSK50A-SFRA04-125-M42	04	10	125	42	57	14.4	25	12	99

Shrink Chuck, 3°, Regular, Form A

热缩刀柄 3 度，标准 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63A-SFRA03-75-M22	03	7.5	75	22	27	9.8	25	9	50
HSK63A-SFRA03-95-M42	03	7.5	95	42	27	11.9	25	9	70
HSK63A-SFRA03-105-M22	03	7.5	105	22	57	9.8	26	9	80
HSK63A-SFRA03-120-M67	03	7.5	120	67	27	14.5	26	9	95
HSK63A-SFRA03-125-M42	03	7.5	125	42	57	11.9	26	9	100
HSK63A-SFRA03-150-M67	03	7.5	150	67	57	14.5	25	9	125
HSK63A-SFRA03-150-M97	03	7.5	150	97	27	17.7	25	9	125
HSK63A-SFRA03-180-M97	03	7.5	180	97	57	17.7	26	9	155
HSK63A-SFRA03-180-M127	03	7.5	180	127	27	20.8	36	9	155
HSK63A-SFRA03-210-M127	03	7.5	210	127	57	20.8	36	9	185
HSK63A-SFRA04-75-M22	04	10	75	22	27	12.3	25	12	50
HSK63A-SFRA04-95-M42	04	10	95	42	27	14.4	25	12	70
HSK63A-SFRA04-105-M22	04	10	105	22	57	12.3	26	12	80
HSK63A-SFRA04-120-M67	04	10	120	67	27	17	25	12	95
HSK63A-SFRA04-125-M42	04	10	125	42	57	14.4	26	12	100
HSK63A-SFRA04-150-M67	04	10	150	67	57	17	26	12	125
HSK63A-SFRA04-150-M97	04	10	150	97	27	20.2	25	12	125
HSK63A-SFRA04-180-M97	04	10	180	97	57	20.2	26	12	155
HSK63A-SFRA04-180-M127	04	10	180	127	27	23.3	36	12	155
HSK63A-SFRA04-210-M127	04	10	210	127	57	23.3	36	12	185

Shrink Chuck, 3°, Regular, Form A

热缩刀柄 3 度，标准 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63A-SFRA03-135-M22	03	7.5	135	22	33	9.8	25	9	110
HSK63A-SFRA03-155-M42	03	7.5	155	42	33	11.9	26	9	130
HSK63A-SFRA03-180-M67	03	7.5	180	67	33	14.5	26	9	155
HSK63A-SFRA03-210-M97	03	7.5	210	97	33	17.7	26	9	185
HSK63A-SFRA03-240-M127	03	7.5	240	127	28	20.8	36	9	215
HSK63A-SFRA04-135-M22	04	10	135	22	33	12.3	26	12	110
HSK63A-SFRA04-155-M42	04	10	155	42	33	14.4	25	12	130
HSK63A-SFRA04-180-M67	04	10	180	67	33	17	25	12	155
HSK63A-SFRA04-210-M97	04	10	210	97	33	20.2	26	12	185
HSK63A-SFRA04-240-M127	04	10	240	127	28	23.3	36	12	215

Shrink Chuck, 3°, Regular, Form A

热缩刀柄 3 度，标准 A 型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
HSK100A-SFRA03-90-M22	03	7.5	90	22	39	9.8	26	9	60
HSK100A-SFRA03-110-M42	03	7.5	110	42	39	11.9	26	9	80
HSK100A-SFRA03-120-M22	03	7.5	120	22	69	9.8	25	9	90
HSK100A-SFRA03-135-M67	03	7.5	135	67	39	14.5	26	9	105
HSK100A-SFRA03-140-M42	03	7.5	140	42	69	11.9	26	9	110
HSK100A-SFRA03-165-M67	03	7.5	165	67	69	14.5	26	9	135
HSK100A-SFRA03-165-M97	03	7.5	165	97	39	17.7	26	9	135
HSK100A-SFRA03-195-M97	03	7.5	195	97	69	17.7	26	9	165
HSK100A-SFRA03-195-M127	03	7.5	195	127	39	20.8	36	9	165
HSK100A-SFRA03-225-M127	03	7.5	225	127	69	20.8	36	9	195
HSK100A-SFRA04-90-M22	04	10	90	22	39	12.3	26	12	60
HSK100A-SFRA04-110-M42	04	10	110	42	39	14.4	26	12	80
HSK100A-SFRA04-120-M22	04	10	120	22	69	12.3	26	12	90
HSK100A-SFRA04-135-M67	04	10	135	67	39	17	26	12	105
HSK100A-SFRA04-140-M42	04	10	140	42	69	14.4	26	12	110
HSK100A-SFRA04-165-M67	04	10	165	67	69	17	26	12	135
HSK100A-SFRA04-165-M97	04	10	165	97	39	20.2	26	12	135
HSK100A-SFRA04-195-M97	04	10	195	97	69	20.2	26	12	165
HSK100A-SFRA04-195-Ml 27	04	10	195	127	39	23.3	32	12	165
HSK100A-SFRA04-225-M127	04	10	225	127	69	23.3	36	12	195

Shrink Chuck, 3°, Regular, Form A

热缩刀柄 3 度，标准 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
HSK100A-SFRA03-150-M22	03	7.5	150	22	33	66	9.8	26	40	9	120
HSK100A-SFRA03-170-M42	03	7.5	170	42	33	66	11.9	26	40	9	140
HSK100A-SFRA03-195-M67	03	7.5	195	67	33	66	14.5	26	40	9	165
HSK100A-SFRA03-225-M97	03	7.5	225	97	33	66	17.7	26	40	9	195
HSK100A-SFRA03-255-M127	03	7.5	255	127	28	71	20.8	36	50	9	225
HSK100A-SFRA04-150-M22	04	10	150	22	33	66	12.3	26	40	12	120
HSK100A-SFRA04-170-M42	04	10	170	42	33	66	14.4	26	40	12	140
HSK100A-SFRA04-195-M67	04	10	195	67	33	66	17	25	39	12	165
HSK100A-SFRA04-225-M97	04	10	225	97	33	66	20.2	26	40	12	195
HSK100A-SFRA04-255-M127	04	10	255	127	28	71	23.3	36	50	12	225

Shrink Chuck, 3°, Regular, Form A

热缩刀柄 3 度，标准 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK32E-SFRA03-50-M22	03	7.5	50	22	8	9.8	20	9	42
HSK32E-SFRA03-70-M42	03	7.5	70	42	8	11.9	20	9	62
HSK32E-SFRA03-85-M42	03	7.5	85	42	23	11.9	25	9	69
HSK32E-SFRA04-50-M22	04	10	50	22	8	12.3	20	12	35
HSK32E-SFRA04-70-M42	04	10	70	42	8	14.4	20	12	54
HSK32E-SFRA04-85-M42	04	10	85	42	23	14.4	25	12	69
HSK32E-SFRA06-50-M22	06	12	50	22	8	14.3	26	18	39
HSK32E-SFRA06-70-M42	06	12	70	42	8	16.4	26	18	54
HSK32E-SFRA06-85-M42	06	12	85	42	23	16.4	25	18	69
HSK32E-SFRA08-50-M22	08	14	50	22	8	16.3	26	20	39
HSK32E-SFRA08-85-M42	08	14	85	42	23	18.4	25	24	49
HSK32E-SFRA10-55-M22	10	16	55	22	13	18.3	26	25	44
HSK32E-SFRA12-55-M22	12	20	55	22	13	22.3	26	25	44
HSK32E-SFRA16-55-M35	16	26	55	35	-	-	-	32	44

Shrink Chuck, 3°, Regular, Form A

热缩刀柄 3 度，标准 A 型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
HSK40E-SFRA03-50-M22	03	7.5	50	22	8	9.8	20	9	42
HSK40E-SFRA03-70-M42	03	7.5	70	42	8	11.9	20	9	62
HSK40E-SFRA03-85-M42	03	7.5	85	42	23	11.9	25	9	69
HSK40E-SFRA03-110-M67	03	7.5	110	67	23	14.5	25	9	94
HSK40E-SFRA04-50-M22	04	10	50	22	8	12.3	20	12	42
HSK40E-SFRA04-70-M42	04	10	70	42	8	14.4	20	12	62
HSK40E-SFRA04-85-M42	04	10	85	42	23	14.4	25	12	69
HSK40E-SFRA04-110-M67	04	10	110	67	23	17	25	12	94
HSK40E-SFRA06-50-M22	06	12	50	22	8	14.3	26	18	39
HSK40E-SFRA06-70-M42	06	12	70	42	8	16.4	26	18	54
HSK40E-SFRA06-85-M42	06	12	85	42	23	16.4	25	18	69
HSK40E-SFRA06-110-M67	06	12	110	67	23	19	25	18	94
HSK40E-SFRA08-50-M22	08	14	50	22	8	16.3	26	20	39
HSK40E-SFRA08-85-M42	08	14	85	42	23	18.4	25	24	69
HSK40E-SFRA08-100-M42	08	14	100	42	38	18.4	25	24	84
HSK40E-SFRA10-55-M22	10	16	55	22	13	18.3	26	25	44
HSK40E-SFRA10-85-M42	10	16	85	42	23	20.4	25	30	64
HSK40E-SFRA10-100-M42	10	16	100	42	38	20.4	25	30	64
HSK40E-SFRA12-55-M22	12	20	55	22	13	22.3	30	25	44
HSK40E-SFRA12-85-M42	12	20	85	42	23	24.4	32	30	74
HSK40E-SFRA16-55-M22	16	26	55	22	13	28.3	34	32	44
HSK40E-SFRA20-60-M40	20	32	60	40	-	34	-	38	49

Shrink Chuck, 3°, Regular, Form A

热缩刀柄 3 度，标准 A 型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
HSK50E-SFRA03-75-M22	03	7.5	75	22	27	9.8	25	9	61
HSK50E-SFRA03-95-M42	03	7.5	95	42	27	11.9	25	9	81
HSK50E-SFRA03-120-M67	03	7.5	120	67	27	14.5	25	9	106
HSK50E-SFRA03-150-M97	03	7.5	150	97	27	17.7	25	9	136
HSK50E-SFRA04-75-M22	04	10	75	22	27	12.3	25	12	61
HSK50E-SFRA04-95-M42	04	10	95	42	27	14.4	25	12	81
HSK50E-SFRA04-120-M67	04	10	120	67	27	17	25	12	106
HSK50E-SFRA04-150-M97	04	10	150	97	27	20.2	25	12	135
HSK50E-SFRA06-60-M22	06	12	60	22	12	14.3	26	18	44
HSK50E-SFRA06-75-M22	06	12	75	22	27	14.3	25	18	61
HSK50E-SFRA06-95-M42	06	12	95	42	27	16.4	25	18	81
HSK50E-SFRA06-120-M67	06	12	120	67	27	19	25	18	106
HSK50E-SFRA08-60-M22	08	14	60	22	12	16.3	26	20	44
HSK50E-SFRA08-75-M22	08	14	75	22	27	16.3	25	24	61
HSK50E-SFRA08-95-M42	08	14	95	42	27	18.4	25	24	81
HSK50E-SFRA10-60-M22	10	16	60	22	12	18.3	26	25	44
HSK50E-SFRA10-75-M22	10	16	75	22	27	18.3	25	30	60
HSK50E-SFRA12-60-M22	12	20	60	22	12	22.3	26	25	44
HSK50E-SFRA12-75-M22	12	20	75	22	27	22.3	25	30	62
HSK50E-SFRA16-60-M22	16	26	60	22	12	28.3	34	32	44
HSK50E-SFRA20-65-M22	20	32	65	22	17	34.3	40	38	49

Shrink Chuck, 3°, Regular, Form A

热缩刀柄 3 度，标准 A 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63F-SFRA03-70-M22	03	7.5	70	22	22	9.8	26	9	53
HSK63F-SFRA03-75-M22	03	7.5	75	22	27	9.8	25	9	54
HSK63F-SFRA03-95-M42	03	7.5	95	42	27	11.9	25	9	78
HSK63F-SFRA04-70-M22	04	10	70	22	22	12.3	26	12	53
HSK63F-SFRA04-75-M22	04	10	75	22	27	12.3	25	12	58
HSK63F-SFRA04-95-M42	04	10	95	42	27	14.4	25	12	73
HSK63F-SFRA06-70-M22	06	12	70	22	22	14.3	26	18	53
HSK63F-SFRA06-75-M22	06	12	75	22	27	14.3	25	18	58
HSK63F-SFRA06-95-M42	06	12	95	42	27	16.4	25	18	73
HSK63F-SFRA08-70-M22	08	14	70	22	22	16.3	26	24	53
HSK63F-SFRA08-75-M22	08	14	75	22	27	16.3	25	24	58
HSK63F-SFRA08-95-M42	08	14	95	42	27	18.4	25	24	78
HSK63F-SFRA10-70-M22	10	16	70	22	22	18.3	26	30	53
HSK63F-SFRA10-75-M22	10	16	75	22	27	18.3	25	30	54
HSK63F-SFRA12-70-M22	12	20	70	22	22	22.3	26	30	53
HSK63F-SFRA12-75-M22	12	20	75	22	27	22.3	25	30	54

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
BT40-SFRB06-75-M22	6	14	75	22	26	16.3	32	18	110
BT40-SFRB06-95-M42	6	14	95	42	26	18.4	32	18	130
BT40-SFRB06-105-M22	6	14	105	22	56	16.3	36	18	140
BT40-SFRB06-120-M67	6	14	120	67	26	21	32	18	155
BT40-SFRB06-125-M42	6	14	125	42	56	18.4	32	18	160
BT40-SFRB06-150-M67	6	14	150	67	56	21	32	18	185
BT40-SFRB08-75-M22	8	18	75	22	26	20.3	32	24	110
BT40-SFRB08-95-M42	8	18	95	42	26	22.4	32	24	130
BT40-SFRB08-105-M22	8	18	105	22	56	20.3	32	24	140
BT40-SFRB08-120-M67	8	18	120	67	26	25	36	24	155
BT40-SFRB08-125-M42	8	18	125	42	56	22.4	32	24	160
BT40-SFRB08-150-M67	8	18	150	67	56	25	32	24	185
BT40-SFRB10-75-M22	10	22	75	22	26	24.3	32	30	110
BT40-SFRB10-95-M42	10	22	95	42	26	26.4	32	30	130
BT40-SFRB10-105-M22	10	22	105	22	56	24.3	32	30	140
BT40-SFRB10-120-M67	10	22	120	67	26	29	42	30	155
BT40-SFRB10-125-M42	10	22	125	42	56	26.4	32	30	160
BT40-SFRB10-150-M67	10	22	150	67	56	29	42	30	185
BT40-SFRB12-75-M22	12	26	75	22	26	28.3	42	30	110
BT40-SFRB12-95-M42	12	26	95	42	26	30.4	42	30	130
BT40-SFRB12-105-M22	12	26	105	22	56	28.3	42	30	140
BT40-SFRB12-120-M67	12	26	120	67	26	33	50	30	155
BT40-SFRB12-125-M42	12	26	125	42	56	30.4	50	30	160
BT40-SFRB12-135-M22	12	26	135	22	86	28.3	50	30	170
BT40-SFRB12-150-M67	12	26	150	67	56	33	42	30	185

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT40-SFRB16-75-M22	16	32	75	22	26	34.3	42	32	85
BT40-SFRB16-95-M42	16	32	95	42	26	36.4	42	32	105
BT40-SFRB16-105-M22	16	32	105	22	56	34.3	42	32	115
BT40-SFRB16-120-M67	16	32	120	67	26	39	42	32	130
BT40-SFRB16-125-M42	16	32	125	42	56	36.4	42	32	135
BT40-SFRB16-150-M67	16	32	150	67	56	39	42	32	160
BT40-SFRB20-95-M42	20	38	95	42	26	42.4	53	40	105
BT40-SFRB20-120-M67	20	38	120	67	26	45	53	40	130
BT40-SFRB20-125-M42	20	38	125	42	56	42.4	53	40	135
BT40-SFRB20-150-M67	20	38	150	67	56	45	50	40	160
BT40-SFRB20-155-M42	20	38	155	42	86	42.4	53	40	165
BT40-SFRB20-180-M67	20	38	180	67	86	45	50	40	190

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
BT40-SFRB06-135-M22	06	14	135	22	30	56	16.3	32	46	18	170
BT40-SFRB06-155-M42	06	14	155	42	30	56	18.4	32	46	18	190
BT40-SFRB06-180-M67	06	14	180	67	30	56	21	32	46	18	215
BT40-SFRB08-135-M22	08	18	135	22	30	56	20.3	32	46	24	170
BT40-SFRB08-155-M42	08	18	155	42	30	56	22.4	32	46	24	190
BT40-SFRB08-180-M67	08	18	180	67	30	56	25	32	46	24	215
BT40-SFRB10-135-M22	10	22	135	22	30	56	24.3	32	46	30	170
BT40-SFRB10-155-M42	10	22	155	42	30	56	26.4	32	46	30	190
BT40-SFRB10-180-M67	10	22	180	67	28	58	29	42	53	30	215
BT40-SFRB12-155-M42	12	26	155	42	28	58	30.4	42	53	30	190
BT40-SFRB12-180-M67	12	26	180	67	28	58	33	42	53	30	215
BT40-SFRB16-135-M22	16	32	135	22	28	58	34.3	42	53	32	145
BT40-SFRB16-155-M42	16	32	155	42	28	58	36.4	42	53	32	165
BT40-SFRB16-180-M67	16	32	180	67	28	58	39	42	53	32	190

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
BT50-SFRB06-90-M22	06	14	90	22	30	16.3	32	18	145
BT50-SFRB06-110-M42	06	14	110	42	30	18.4	32	18	165
BT50-SFRB06-120-M22	06	14	120	22	60	16.3	32	18	175
BT50-SFRB06-135-M67	06	14	135	67	30	21	32	18	190
BT50-SFRB06-140-M42	06	14	140	42	60	18.4	32	18	195
BT50-SFRB06-165-M67	06	14	165	67	60	21	32	18	220
BT50-SFRB08-90-M22	08	18	90	22	30	20.3	32	24	145
BT50-SFRB08-110-M42	08	18	110	42	30	22.4	32	24	165
BT50-SFRB08-120-M22	08	18	120	22	60	20.3	32	24	175
BT50-SFRB08-135-M67	08	18	135	67	30	25	32	24	190
BT50-SFRB08-140-M42	08	18	140	42	60	22.4	32	24	195
BT50-SFRB08-165-M67	08	18	165	67	60	25	32	24	220
BT50-SFRB10-90-M22	10	22	90	22	30	24.3	32	30	145
BT50-SFRB10-110-M42	10	22	110	42	30	26.4	32	30	165
BT50-SFRB10-120-M22	10	22	120	22	60	24.3	32	30	175
BT50-SFRB10-135-M67	10	22	135	67	30	29	42	30	190
BT50-SFRB10-140-M42	10	22	140	42	60	26.4	32	30	195
BT50-SFRB10-165-M67	10	22	165	67	60	29	42	30	220
BT50-SFRB12-90-M22	12	26	90	22	30	28.3	42	30	145
BT50-SFRB12-110-M42	12	26	110	42	30	30.4	42	30	165
BT50-SFRB12-120-M22	12	26	120	22	60	28.3	42	30	175
BT50-SFRB12-135-M67	12	26	135	67	30	33	42	30	190
BT50-SFRB12-140-M42	12	26	140	42	60	30.4	42	30	195
BT50-SFRB12-165-M67	12	26	165	67	60	33	42	30	220

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT50-SFRB16-90-M22	16	32	90	22	30	34.3	42	32	145
BT50-SFRB16-110-M42	16	32	110	42	30	36.4	42	32	165
BT50-SFRB16-120-M22	16	32	120	22	60	34.3	42	32	175
BT50-SFRB16-135-M67	16	32	135	67	30	39	42	32	190
BT50-SFRB16-140-M42	16	32	140	42	60	36.4	42	32	195
BT50-SFRB16-165-M67	16	32	165	67	60	39	42	32	220
BT50-SFRB20-110-M42	20	38	110	42	30	42.4	53	40	165
BT50-SFRB20-135-M67	20	38	135	67	30	45	53	40	190
BT50-SFRB20-140-M42	20	38	140	42	60	42.4	53	40	195
BT50-SFRB20-165-M67	20	38	165	67	60	45	53	40	220
BT50-SFRB25-110-M42	25	45	110	42	30	49.4	53	45	165
BT50-SFRB25-140-M42	25	45	140	42	60	49.4	53	45	195
BT50-SFRB32-110-M42	32	54	110	42	30	58.4	63	50	160
BT50-SFRB32-140-M42	32	54	140	42	60	58.4	63	50	171

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
BT50-SFRB06-150-M22	06	14	150	22	30	60	16.3	32	46	18	205
BT50-SFRB06-170-M42	06	14	170	42	30	60	18.4	32	46	18	225
BT50-SFRB06-195-M67	06	14	195	67	30	60	21	32	46	18	250
BT50-SFRB08-150-M22	08	18	150	22	30	60	20.3	32	46	24	205
BT50-SFRB08-170-M42	08	18	170	42	28	62	22.4	36	50	24	225
BT50-SFRB08-195-M67	08	18	195	67	30	60	25	32	46	24	250
BT50-SFRB10-150-M22	10	22	150	22	30	60	24.3	32	46	30	205
BT50-SFRB10-170-M42	10	22	170	42	28	62	26.4	36	50	30	225
BT50-SFRB10-195-M67	10	22	195	67	28	62	29	42	56	30	250
BT50-SFRB12-150-M22	12	26	150	22	28	62	28.3	42	56	30	205
BT50-SFRB12-170-M42	12	26	170	42	28	62	30.4	42	56	30	225
BT50-SFRB12-195-M67	12	26	195	67	28	62	33	42	56	30	250
BT50-SFRB16-150-M22	16	32	150	22	28	62	34.3	42	56	32	205
BT50-SFRB16-170-M42	16	32	170	42	28	62	36.4	42	56	32	225
BT50-SFRB16-195-M67	16	32	195	67	28	62	39.0	42	56	32	250
BT50-SFRB20-170-M42	20	38	170	42	28	62	42.4	53	67	40	225
BT50-SFRB20-195-M67	20	38	195	67	28	62	45	53	67	40	250
BT50-SFRB25-170-M42	25	45	170	42	28	62	49.4	53	67	45	195
BT50-SFRB32-170-M42	32	54	170	42	28	62	58.4	63	77	50	171

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK50A-SFRB06-75-M22	06	14	75	22	27	16.3	32	18	50
HSK50A-SFRB06-95-M42	06	14	95	42	27	18.4	32	18	70
HSK50A-SFRB06-125-M42	06	14	125	42	57	18.4	32	18	100
HSK50A-SFRB08-75-M22	08	18	75	22	27	20.3	32	24	50
HSK50A-SFRB08-95-M42	08	18	95	42	27	22.4	32	24	70
HSK50A-SFRB08-125-M42	08	18	125	42	57	22.4	32	24	100
HSK50A-SFRB10-75-M22	10	22	75	22	27	24.3	32	30	50
HSK50A-SFRB10-95-M42	10	22	95	42	27	26.4	32	30	70
HSK50A-SFRB10-125-M42	10	22	125	42	57	26.4	32	30	100
HSK50A-SFRB12-75-M42	12	26	75	22	27	28.3	42	30	52
HSK50A-SFRB12-95-M42	12	26	95	42	27	30.4	42	30	72
HSK50A-SFRB12-125-M42	12	26	125	42	57	30.4	42	30	98
HSK50A-SFRB16-75-M22	16	32	75	22	27	34.3	42	32	52
HSK50A-SFRB16-105-M22	16	32	105	22	57	34.3	42	32	78
HSK50A-SFRB20-75-M22	20	38	75	22	27	40.3	49	40	51
HSK50A-SFRB20-105-M22	20	38	105	22	57	40.3	49	40	76

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63A-SFRB06-75-M22	06	14	75	22	27	16.3	32	18	49
HSK63A-SFRB06-95-M42	06	14	95	42	27	18.4	32	18	69
HSK63A-SFRB06-105-M22	06	14	105	22	57	16.3	32	18	79
HSK63A-SFRB06-120-M67	06	14	120	67	27	21	32	18	94
HSK63A-SFRB06-125-M42	06	14	125	42	57	18.4	32	18	99
HSK63A-SFRB06-150-M67	06	14	150	67	57	21	32	18	124
HSK63A-SFRB08-75-M22	08	18	75	22	27	20.3	32	24	49
HSK63A-SFRB08-95-M42	08	18	95	42	27	22.4	32	24	69
HSK63A-SFRB08-105-M22	08	18	105	22	57	20.3	32	24	79
HSK63A-SFRB08-120-M67	08	18	120	67	27	25	32	24	94
HSK63A-SFRB08-125-M42	08	18	125	42	57	22.4	32	24	99
HSK63A-SFRB08-150-M67	08	18	150	67	57	25	32	24	124
HSK63A-SFRB10-75-M22	10	22	75	22	27	24.3	32	30	49
HSK63A-SFRB10-95-M42	10	22	95	42	27	26.4	32	30	68
HSK63A-SFRB10-105-M22	10	22	105	22	57	24.3	32	30	79
HSK63A-SFRB10-120-M67	10	22	120	67	27	29	42	30	94
HSK63A-SFRB10-125-M42	10	22	125	42	57	26.4	32	30	99
HSK63A-SFRB10-150-M67	10	22	150	67	57	29	42	30	124
HSK63A-SFRB12-75-M22	12	26	75	22	27	28.3	42	30	50
HSK63A-SFRB12-95-M42	12	26	95	42	27	30.4	42	30	70
HSK63A-SFRB12-105-M22	12	26	105	22	57	28.3	42	30	77
HSK63A-SFRB12-120-M67	12	26	120	67	27	33	42	30	95
HSK63A-SFRB12-125-M42	12	26	125	42	57	30.4	42	30	97
HSK63A-SFRB12-150-M67	12	26	150	67	57	33	42	30	122
HSK63A-SFRB12-155-M42	12	26	155	42	87	30.4	50	30	125

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63A-SFRB16-75-M22	16	32	75	22	27	34.3	42	32	50
HSK63A-SFRB16-95-M42	16	32	95	42	27	36.4	42	32	70
HSK63A-SFRB16-105-M22	16	32	105	22	57	34.3	42	32	77
HSK63A-SFRB16-120-M67	16	32	120	67	27	39	42	32	95
HSK63A-SFRB16-125-M42	16	32	125	42	57	36.4	42	32	97
HSK63A-SFRB16-150-M67	16	32	150	67	57	39	42	32	122
HSK63A-SFRB20-95-M42	20	38	95	42	27	42.4	53	40	70
HSK63A-SFRB20-120-M67	20	38	120	67	27	45	53	40	95
HSK63A-SFRB20-125-M42	20	38	125	42	57	42.4	53	40	96
HSK63A-SFRB20-150-M67	20	38	150	67	57	45	53	40	120
HSK63A-SFRB20-155-M42	20	38	155	42	87	42.4	53	40	125
HSK63A-SFRB20-180-M67	20	38	180	67	87	45	53	40	150
HSK63A-SFRB25-95-M42	25	45	95	42	27	49.4	53	45	70
HSK63A-SFRB25-125-M42	25	45	125	42	57	49.4	53	45	96
HSK63A-SFRB25-155-M42	25	45	155	42	87	49.4	53	45	126
HSK63A-SFRB32-110-M42	32	54	110	42	42	58.4	63	50	84

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
HSK63A-SFRB06-135-M22	06	14	135	22	30	57	16.3	32	46	18	109
HSK63A-SFRB06-155-M42	06	14	155	42	30	57	18.4	32	46	18	129
HSK63A-SFRB06-180-M67	06	14	180	67	30	57	21	32	46	18	154
HSK63A-SFRB08-135-M22	08	18	135	22	30	57	20.3	32	46	24	109
HSK63A-SFRB08-155-M42	08	18	155	42	30	57	22.4	32	46	24	129
HSK63A-SFRB08-180-M67	08	18	180	67	30	57	25	32	46	24	155
HSK63A-SFRB10-135-M22	10	22	135	22	30	57	24.3	32	46	30	109
HSK63A-SFRB10-155-M42	10	22	155	42	30	57	26.4	32	46	30	129
HSK63A-SFRB10-180-M67	10	22	180	67	28	59	29	42	53	30	154
HSK63A-SFRB12-135-M22	12	26	135	22	28	59	28.3	42	53	30	107
HSK63A-SFRB12-180-M67	12	26	180	67	28	59	33	42	53	30	152
HSK63A-SFRB16-135-M22	16	32	135	22	28	59	34.3	42	53	32	107
HSK63A-SFRB16-155-M42	16	32	155	42	28	59	36.4	42	53	32	127
HSK63A-SFRB16-180-M67	16	32	180	67	28	59	39	42	53	32	152

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK100A-SFRB06-90-M22	06	14	90	22	39	16.3	32	18	61
HSK100A-SFRB06-110-M42	06	14	110	42	39	18.4	32	18	81
HSK100A-SFRB06-120-M22	06	14	120	22	69	16.3	32	18	91
HSK100A-SFRB06-135-M67	06	14	135	67	39	21	32	18	106
HSK100A-SFRB06-140-M42	06	14	140	42	69	18.4	32	18	111
HSK100A-SFRB06-165-M67	06	14	165	67	69	21	32	18	136
HSK100A-SFRB08-90-M22	08	18	90	22	39	20.3	32	24	61
HSK100A-SFRB08-110-M42	08	18	110	42	39	22.4	32	24	81
HSK100A-SFRB08-120-M22	08	18	120	22	69	20.3	32	24	91
HSK100A-SFRB08-135-M67	08	18	135	67	39	25	32	24	106
HSK100A-SFRB08-140-M42	08	18	140	42	69	22.4	32	24	111
HSK100A-SFRB08-165-M67	08	18	165	67	69	25	32	24	136
HSK100A-SFRB10-90-M22	10	22	90	22	39	24.3	32	30	61
HSK100A-SFRB10-110-M42	10	22	110	42	39	26.4	32	30	81
HSK100A-SFRB10-120-M22	10	22	120	22	69	24.3	32	30	91
HSK100A-SFRB10-135-M67	10	22	135	67	39	29	42	30	106
HSK100A-SFRB10-140-M42	10	22	140	42	69	26.4	32	30	111
HSK100A-SFRB10-165-M67	10	22	165	67	69	29	36	30	135
HSK100A-SFRB12-90-M22	12	26	90	22	39	28.3	42	30	58
HSK100A-SFRB12-110-M42	12	26	110	42	39	30.4	42	30	78
HSK100A-SFRB12-120-M22	12	26	120	22	69	28.3	42	30	87
HSK100A-SFRB12-135-M67	12	26	135	67	39	33	42	30	103
HSK100A-SFRB12-140-M42	12	26	140	42	69	30.4	42	30	107
HSK100A-SFRB12-150-M22	12	26	150	22	99	28.3	50	30	117
HSK100A-SFRB12-165-M67	12	26	165	67	69	33	42	30	132
HSK100A-SFRB12-170-M42	12	26	170	42	99	30.4	50	30	135

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK100A-SFRB16-90-M22	16	32	90	22	39	34.3	42	32	58
HSK100A-SFRB16-110-M42	16	32	110	42	39	36.4	42	32	78
HSK100A-SFRB16-120-M22	16	32	120	22	69	34.3	42	32	87
HSK100A-SFRB16-135-M67	16	32	135	67	39	39	42	32	103
HSK100A-SFRB16-140-M42	16	32	140	42	69	36.4	42	32	107
HSK100A-SFRB16-150-M22	16	32	150	22	99	34.3	50	32	115
HSK100A-SFRB16-165-M67	16	32	165	67	69	39	42	32	132
HSK100A-SFRB20-110-M42	20	38	110	42	39	42.4	53	40	78
HSK100A-SFRB20-135-M67	20	38	135	67	39	45	53	40	103
HSK100A-SFRB20-140-M42	20	38	140	42	69	42.4	53	40	105
HSK100A-SFRB20-165-M67	20	38	165	67	69	45	53	40	130
HSK100A-SFRB25-110-M42	25	45	110	42	39	49.6	53	45	78
HSK100A-SFRB25-140-M42	25	45	140	42	69	49.6	50	45	105
HSK100A-SFRB32-110-M42	32	54	110	42	39	58.4	63	50	77
HSK100A-SFRB32-140-M42	32	54	140	42	69	58.4	63	50	107

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
HSK100A-SFRB06-150-M22	06	14	150	22	30	69	16.3	32	46	18	121
HSK100A-SFRB06-170-M42	06	14	170	42	30	69	18.4	32	46	18	141
HSK100A-SFRB06-195-M67	06	14	195	67	30	69	21	32	46	18	168
HSK100A-SFRB08-150-M22	08	18	150	22	30	69	20.3	32	46	24	121
HSK100A-SFRB08-170-M42	08	18	170	42	28	71	22.4	36	50	24	140
HSK100A-SFRB08-195-M67	08	18	195	67	30	69	25	32	46	24	166
HSK100A-SFRB10-150-M22	10	22	150	22	28	71	24.3	36	50	30	120
HSK100A-SFRB10-170-M42	10	22	170	42	28	71	26.4	36	50	30	140
HSK100A-SFRB10-195-M67	10	22	195	67	28	71	29	42	56	30	166
HSK100A-SFRB12-195-M67	12	26	195	67	28	71	33	42	56	30	162
HSK100A-SFRB16-170-M42	16	32	170	42	28	71	36.4	42	56	32	137
HSK100A-SFRB16-195-M67	16	32	195	67	28	71	39	42	56	32	162
HSK100A-SFRB20-170-M42	20	38	170	42	28	71	42.4	53	67	40	135
HSK100A-SFRB20-195-M67	20	38	195	67	28	71	45	53	67	40	160
HSK100A-SFRB25-170-M42	25	45	170	42	28	71	49.6	53	67	45	135
HSK100A-SFRB32-170-M42	32	54	170	42	28	71	58.4	63	77	50	132

Shrink Chuck, 3°, Regular, Form B

热缩刀柄 3 度，标准 B 型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK50E-SFRB06-95-M42	06	14	95	42	27	18.4	32	18	80
HSK50E-SFRB08-95-M42	08	18	95	42	27	22.4	32	24	80
HSK50E-SFRB08-120-M67	08	18	120	67	27	25	32	24	105
HSK50E-SFRB10-95-M42	10	22	95	42	27	26.4	32	30	80
HSK50E-SFRB10-120-M67	10	22	120	67	27	29	42	30	107
HSK50E-SFRB12-95-M42	12	26	95	42	27	30.4	42	30	82
HSK50E-SFRB12-120-M67	12	26	120	67	27	33	42	30	107
HSK50E-SFRB16-75-M22	16	32	75	22	27	34.3	42	32	62

Shrink Chuck, 3°, Regular, Coolant
热缩刀柄 3 度，端面出水型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
BT40-SFFB03-75-M22	03	9.5	75	22	26	11.8	25	9	110
BT40-SFFB03-95-M42	03	9.5	95	42	26	13.9	25	9	130
BT40-SFFB03-105-M22	03	9.5	105	22	56	11.8	25	9	140
BT40-SFFB03-120-M67	03	9.5	120	67	26	16.5	25	9	155
BT40-SFFB03-125-M42	03	9.5	125	42	56	13.9	25	9	160
BT40-SFFB03-150-M67	03	9.5	150	67	56	16.5	25	9	185
BT40-SFFB04-75-M22	04	12	75	22	26	14.3	25	12	110
BT40-SFFB04-95-M42	04	12	95	42	26	16.4	25	12	130
BT40-SFFB04-105-M22	04	12	105	22	56	14.3	25	12	140
BT40-SFFB04-120-M67	04	12	120	67	26	19	25	12	155
BT40-SFFB04-125-M42	04	12	125	42	56	16.4	25	12	160
BT40-SFFB04-150-M67	04	12	150	67	56	19	25	12	185
BT40-SFFB06-75-M22	06	14	75	22	26	16.3	32	18	110
BT40-SFFB06-95-M42	06	14	95	42	26	18.4	32	18	130
BT40-SFFB06-105-M22	06	14	105	22	56	16.3	32	18	140
BT40-SFFB06-120-M67	06	14	120	67	26	21	32	18	155
BT40-SFFB06-125-M42	06	14	125	42	56	18.4	32	18	160
BT40-SFFB06-150-M67	06	14	150	67	56	21	32	18	185
BT40-SFFB08-75-M22	08	18	75	22	26	20.3	32	24	110
BT40-SFFB08-95-M42	08	18	95	42	26	22.4	32	24	130
BT40-SFFB08-105-M22	08	18	105	22	56	20.3	32	24	140
BT40-SFFB08-120-M67	08	18	120	67	26	25	32	24	155
BT40-SFFB08-125-M42	08	18	125	42	56	22.4	32	24	160
BT40-SFFB08-150-M67	08	18	150	67	56	25	32	24	185
BT40-SFFB10-75-M22	10	22	75	22	26	24.3	32	30	110
BT40-SFFB10-95-M42	10	22	95	42	26	26.4	32	30	130
BT40-SFFB10-105-M22	10	22	105	22	56	24.3	32	30	140
BT40-SFFB10-120-M67	10	22	120	67	26	29	42	30	155
BT40-SFFB10-125-M42	10	22	125	42	56	26.4	32	30	160
BT40-SFFB10-150-M67	10	22	150	67	56	29	42	30	185

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT40-SFFB12-75-M22	12	26	75	22	26	28.3	42	30	110
BT40-SFFB12-95-M42	12	26	95	42	26	30.4	42	30	130
BT40-SFFB12-105-M22	12	26	105	22	56	28.3	42	30	140
BT40-SFFB12-120-M67	12	26	120	67	26	33	42	30	155
BT40-SFFB12-125-M42	12	26	125	42	56	30.4	42	30	160
BT40-SFFB12-150-M67	12	26	150	67	56	33	42	30	185
BT40-SFFB12-155-M42	12	26	155	42	86	30.4	50	30	190
BT40-SFFB12-180-M67	12	26	180	67	86	33	50	30	215
BT40-SFFB16-75-M22	16	32	75	22	26	34.3	42	32	85
BT40-SFFB16-95-M42	16	32	95	42	26	36.4	42	32	105
BT40-SFFB16-105-M22	16	32	105	22	56	34.3	42	32	115
BT40-SFFB16-120-M67	16	32	120	67	26	39	42	32	130
BT40-SFFB16-125-M42	16	32	125	42	56	36.4	42	32	135
BT40-SFFB16-135-M22	16	32	135	22	86	34.3	50	32	145
BT40-SFFB16-150-M67	16	32	150	67	56	39	42	32	160
BT40-SFFB16-155-M42	16	32	155	42	86	36.4	50	32	165
BT40-SFFB16-180-M67	16	32	180	67	86	39	50	32	190
BT40-SFFB20-95-M42	20	38	95	42	26	42.4	53	40	105
BT40-SFFB20-120-M67	20	38	120	67	26	45	53	40	130
BT40-SFFB20-125-M42	20	38	125	42	56	42.4	53	40	135
BT40-SFFB20-150-M67	20	38	150	67	56	45	50	40	160
BT40-SFFB20-155-M42	20	38	155	42	86	42.4	50	40	165
BT40-SFFB20-180-M67	20	38	180	67	86	45	50	40	190
BT40-SFFB25-95-M42	25	45	95	42	26	49.4	53	45	105
BT40-SFFB25-125-M42	25	45	125	42	56	49.4	53	45	135
BT40-SFFB25-155-M42	25	45	155	42	86	49.4	53	45	165

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
BT40-SFFB03-135-M22	03	9.5	135	22	33	53	11.8	25	39	9	170
BT40-SFFB03-155-M42	03	9.5	155	42	33	53	13.9	25	39	9	190
BT40-SFFB03-180-M67	03	9.5	180	67	33	53	16.5	26	40	9	215
BT40-SFFB04-135-M22	04	12	135	22	33	53	14.3	25	39	12	170
BT40-SFFB04-155-M42	04	12	155	42	33	53	16.4	25	39	12	190
BT40-SFFB04-180-M67	04	12	180	67	33	53	19	25	39	12	215
BT40-SFFB06-135-M22	06	14	135	22	30	56	16.3	32	46	18	170
BT40-SFFB06-155-M42	06	14	155	42	30	56	18.4	32	46	18	190
BT40-SFFB06-180-M67	06	14	180	67	30	56	21	36	46	18	215
BT40-SFFB08-135-M22	08	18	135	22	30	56	20.3	32	46	24	170
BT40-SFFB08-155-M42	08	18	155	42	30	56	22.4	32	46	24	190
BT40-SFFB08-180-M67	08	18	180	67	28	58	25	36	50	24	215
BT40-SFFB10-135-M22	10	22	135	22	30	56	24.3	32	46	30	170
BT40-SFFB10-155-M42	10	22	155	42	28	58	26.4	36	50	30	190
BT40-SFFB10-180-M67	10	22	180	67	28	58	29	36	50	30	215
BT40-SFFB12-135-M22	12	26	135	22	28	58	28.3	42	53	30	145

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT50-SFFB03-90-M22	03	9.5	90	22	30	11.8	26	9	145
BT50-SFFB03-110-M42	03	9.5	110	42	30	13.9	26	9	165
BT50-SFFB03-120-M22	03	9.5	120	22	60	11.8	25	9	175
BT50-SFFB03-135-M67	03	9.5	135	67	30	16.5	26	9	190
BT50-SFFB03-140-M42	03	9.5	140	42	60	13.9	25	9	195
BT50-SFFB03-165-M67	03	9.5	165	67	60	16.5	26	9	220
BT50-SFFB04-90-M22	04	12	90	22	30	14.3	26	12	145
BT50-SFFB04-110-M42	04	12	110	42	30	16.4	26	12	165
BT50-SFFB04-120-M22	04	12	120	22	60	14.3	25	12	175
BT50-SFFB04-135-M67	04	12	135	67	30	19	26	12	190
BT50-SFFB04-140-M42	04	12	140	42	60	16.4	26	12	195
BT50-SFFB04-165-M67	04	12	165	67	60	19	26	12	220
BT50-SFFB06-90-M22	06	14	90	22	30	16.3	32	18	145
BT50-SFFB06-110-M42	06	14	110	42	30	18.4	32	18	165
BT50-SFFB06-120-M22	06	14	120	22	60	16.3	32	18	175
BT50-SFFB06-135-M67	06	14	135	67	30	21	32	18	190
BT50-SFFB06-140-M42	06	14	140	42	60	18.4	32	18	195
BT50-SFFB06-165-M67	06	14	165	67	60	21	32	18	220
BT50-SFFB08-90-M22	08	18	90	22	30	20.3	32	24	145
BT50-SFFB08-110-M42	08	18	110	42	30	22.4	32	24	165
BT50-SFFB08-120-M22	08	18	120	22	60	20.3	32	24	175
BT50-SFFB08-135-M67	08	18	135	67	30	25	32	24	190
BT50-SFFB08-140-M42	08	18	140	42	60	22.4	32	24	195
BT50-SFFB08-165-M67	08	18	165	67	60	25	32	24	220
BT50-SFFB10-90-M22	10	22	90	22	30	24.3	32	30	145
BT50-SFFB10-110-M42	10	22	110	42	30	26.4	32	30	165
BT50-SFFB10-120-M22	10	22	120	22	60	24.3	32	30	175
BT50-SFFB10-135-M67	10	22	135	67	30	29	42	30	190
BT50-SFFB10-140-M42	10	22	140	42	60	26.4	36	30	195
BT50-SFFB10-165-M67	10	22	165	67	60	29	42	30	220

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
BT50-SFFB12-90-M22	12	26	90	22	30	28.3	42	30	145
BT50-SFFB12-110-M42	12	26	110	42	30	30.4	42	30	165
BT50-SFFB12-120-M22	12	26	120	22	60	28.3	42	30	175
BT50-SFFB12-135-M67	12	26	135	67	30	33	42	30	190
BT50-SFFB12-140-M42	12	26	140	42	60	30.4	42	30	195
BT50-SFFB12-165-M67	12	26	165	67	60	33	42	30	220
BT50-SFFB16-90-M22	16	32	90	22	30	34.3	42	32	145
BT50-SFFB16-110-M42	16	32	110	42	30	36.4	42	32	165
BT50-SFFB16-120-M22	16	32	120	22	60	34.3	42	32	175
BT50-SFFB16-135-M67	16	32	135	67	30	39	42	32	190
BT50-SFFB16-140-M42	16	32	140	42	60	36.4	42	32	195
BT50-SFFB16-165-M67	16	32	165	67	60	39	42	32	220
BT50-SFFB20-110-M42	20	38	110	42	30	42.4	53	40	165
BT50-SFFB20-135-M67	20	38	135	67	30	45	53	40	190
BT50-SFFB20-140-M42	20	38	140	42	60	42.4	53	40	195
BT50-SFFB20-165-M67	20	38	165	67	60	45	53	40	220
BT50-SFFB25-110-M42	25	45	110	42	30	49.4	53	45	165
BT50-SFFB25-140-M42	25	45	140	42	60	49.4	53	45	195

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
BT50-SFFB03-150-M22	03	9.5	150	22	33	57	11.8	25	39	9	205
BT50-SFFB03-170-M42	03	9.5	170	42	33	57	13.9	25	39	9	225
BT50-SFFB03-195-M67	03	9.5	195	67	33	57	16.5	25	39	9	250
BT50-SFFB04-150-M22	04	12	150	22	33	57	14.3	25	39	12	205
BT50-SFFB04-170-M42	04	12	170	42	33	57	16.4	26	40	12	225
BT50-SFFB04-195-M67	04	12	195	67	33	57	19	26	40	12	250
BT50-SFFB06-150-M22	06	14	150	22	30	60	16.3	32	46	18	205
BT50-SFFB06-170-M42	06	14	170	42	30	60	18.4	32	46	18	225
BT50-SFFB06-195-M67	06	14	195	67	30	60	21	32	46	18	250
BT50-SFFB08-150-M22	08	18	150	22	30	60	20.3	32	46	24	205
BT50-SFFB08-170-M42	08	18	170	42	30	60	22.4	32	46	24	225
BT50-SFFB08-195-M67	08	18	195	67	30	60	25	32	46	24	250
BT50-SFFB10-150-M22	10	22	150	22	30	60	24.3	32	46	30	205
BT50-SFFB10-170-M42	10	22	170	42	30	60	26.4	32	46	30	225
BT50-SFFB10-195-M67	10	22	195	67	28	62	29	42	56	30	250
BT50-SFFB12-150-M22	12	26	150	22	28	62	28.3	42	56	30	205
BT50-SFFB12-170-M42	12	26	170	42	28	62	30.4	42	56	30	225
BT50-SFFB12-195-M67	12	26	195	67	28	62	33	42	56	30	250
BT50-SFFB16-150-M22	16	32	150	22	28	62	34.3	42	56	32	205
BT50-SFFB16-170-M42	16	32	170	42	28	62	36.4	42	56	32	225
BT50-SFFB16-195-M67	16	32	195	67	28	62	39	42	56	32	250
BT50-SFFB20-170-M42	20	38	170	42	28	62	42.4	53	67	40	225
BT50-SFFB20-195-M67	20	38	195	67	28	62	45	53	67	40	250
BT50-SFFB25-170-M42	25	45	170	42	28	62	49.4	53	67	45	195

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK40A-SFFB03-65-M22	03	9.5	65	22	23	11.8	25	9	44
HSK40A-SFFB03-85-M42	03	9.5	85	42	23	13.9	25	9	64
HSK40A-SFFB04-65-M22	04	12	65	22	23	14.3	25	12	44
HSK40A-SFFB04-85-M42	04	12	85	42	23	16.4	25	12	64
HSK40A-SFFB06-70-M22	06	14	70	22	28	16.3	32	18	48
HSK40A-SFFB06-90-M42	06	14	90	42	28	18.4	32	18	68
HSK40A-SFFB08-70-M22	08	18	70	22	28	20.3	32	24	48
HSK40A-SFFB08-90-M42	08	18	90	42	28	22.4	32	24	68
HSK40A-SFFB10-70-M22	10	22	70	22	28	24.3	32	30	48
HSK40A-SFFB10-90-M42	10	22	90	42	28	26.4	32	30	68
HSK40A-SFFB12-70-M22	12	26	70	22	28	28.3	32	30	48

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
HSK63A-SFFB03-75-M22	03	9.5	75	22	27	11.8	25	9	50
HSK63A-SFFB03-95-M42	03	9.5	95	42	27	13.9	25	9	70
HSK63A-SFFB03-105-M22	03	9.5	105	22	57	11.8	26	9	80
HSK63A-SFFB03-120-M67	03	9.5	120	67	27	16.5	26	9	95
HSK63A-SFFB03-125-M42	03	9.5	125	42	57	13.9	26	9	100
HSK63A-SFFB03-150-M67	03	9.5	150	67	57	16.5	26	9	125
HSK63A-SFFB04-75-M22	04	12	75	22	27	14.3	25	12	50
HSK63A-SFFB04-95-M42	04	12	95	42	27	16.4	25	12	70
HSK63A-SFFB04-105-M22	04	12	105	22	57	14.3	25	12	80
HSK63A-SFFB04-120-M67	04	12	120	67	27	19	25	12	95
HSK63A-SFFB04-125-M42	04	12	125	42	57	16.4	25	12	100
HSK63A-SFFB04-150-M67	04	12	150	67	57	19	25	12	125
HSK63A-SFFB06-75-M22	06	14	75	22	27	16.3	32	18	49
HSK63A-SFFB06-95-M42	06	14	95	42	27	18.4	32	18	69
HSK63A-SFFB06-105-M22	06	14	105	22	57	16.3	32	18	79
HSK63A-SFFB06-120-M67	06	14	120	67	27	21	32	18	64
HSK63A-SFFB06-125-M42	06	14	125	42	57	18.4	32	18	99
HSK63A-SFFB06-150-M67	06	14	150	67	57	21	32	18	124
HSK63A-SFFB08-75-M22	08	18	75	22	27	20.3	32	24	49
HSK63A-SFFB08-95-M42	08	18	95	42	27	22.4	32	24	69
HSK63A-SFFB08-105-M22	08	18	105	22	57	20.3	32	24	79
HSK63A-SFFB08-120-M67	08	18	120	67	27	25	32	24	94
HSK63A-SFFB08-125-M42	08	18	125	42	57	22.4	32	24	99
HSK63A-SFFB08-150-M67	08	18	150	67	57	25	32	24	124
HSK63A-SFFB10-75-M22	10	22	75	22	27	24.3	32	30	49
HSK63A-SFFB10-95-M42	10	22	95	42	27	26.4	32	30	69
HSK63A-SFFB10-105-M22	10	22	105	22	57	24.3	32	30	79
HSK63A-SFFB10-120-M67	10	22	120	67	27	29	42	30	94
HSK63A-SFFB10-125-M42	10	22	125	42	57	26.4	32	30	99
HSK63A-SFFB10-150-M67	10	22	150	67	57	29	42	30	124

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
HSK63A-SFFB12-75-M22	12	26	75	22	27	28.3	42	30	50
HSK63A-SFFB12-95-M42	12	26	95	42	27	30.4	42	30	70
HSK63A-SFFB12-105-M22	12	26	105	22	57	28.3	42	30	77
HSK63A-SFFB12-120-M67	12	26	120	67	27	33	42	30	95
HSK63A-SFFB12-125-M42	12	26	125	42	57	30.4	42	30	97
HSK63A-SFFB12-150-M67	12	26	150	67	57	33	42	30	122
HSK63A-SFFB12-155-M42	12	26	155	42	86	30.4	50	30	125
HSK63A-SFFB16-75-M22	16	32	75	22	27	34.3	42	32	50
HSK63A-SFFB16-95-M42	16	32	95	42	27	36.4	42	32	70
HSK63A-SFFB16-105-M22	16	32	105	22	57	34.3	42	32	77
HSK63A-SFFB16-120-M67	16	32	120	67	27	39	42	32	95
HSK63A-SFFB16-125-M42	16	32	125	42	57	36.4	42	32	97
HSK63A-SFFB16-135-M22	16	32	135	22	28	34.3	42	32	107
HSK63A-SFFB16-150-M67	16	32	150	67	57	39	50	32	120
HSK63A-SFFB16-155-M42	16	32	155	42	86	36.4	50	32	125
HSK63A-SFFB20-95-M42	20	38	95	42	27	42.4	53	40	70
HSK63A-SFFB20-120-M67	20	38	120	67	27	45	53	40	95
HSK63A-SFSA10-125-M42	20	38	125	42	57	42.4	53	40	96
HSK63A-SFFB20-150-M67	20	38	150	67	57	45	50	40	120
HSK63A-SFFB20-155-M42	20	38	155	42	87	42.4	50	40	125
HSK63A-SFFB20-180-M67	20	38	180	67	87	45	50	40	180
HSK63A-SFFB25-95-M42	25	45	95	42	27	49.4	53	45	70
HSK63A-SFFB25-125-M42	25	45	125	42	57	49.4	53	45	96
HSK63A-SFFB25-155-M42	25	45	155	42	87	49.4	53	45	126

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63A-SFFB03-135-M22	03	9.5	135	22	33	11.8	26	9	110
HSK63A-SFFB03-155-M42	03	9.5	155	42	33	13.9	25	9	130
HSK63A-SFFB03-180-M67	03	9.5	180	67	33	16.5	26	9	155
HSK63A-SFFB04-135-M22	04	12	135	22	33	14.3	25	12	110
HSK63A-SFFB04-155-M42	04	12	155	42	33	16.4	25	12	130
HSK63A-SFFB04-180-M67	04	12	180	67	33	19	25	12	155
HSK63A-SFFB06-135-M22	06	14	135	22	30	16.3	32	18	109
HSK63A-SFFB06-155-M42	06	14	155	42	30	18.4	32	18	129
HSK63A-SFFB06-180-M67	06	14	180	67	30	21	32	18	154
HSK63A-SFFB08-135-M22	08	18	135	22	30	20.3	32	24	109
HSK63A-SFFB08-155-M42	08	18	155	42	30	22.4	32	24	129
HSK63A-SFFB08-180-M67	08	18	180	67	30	25	32	24	154
HSK63A-SFFB10-135-M22	10	22	135	22	30	24.3	42	30	109
HSK63A-SFFB10-155-M42	10	22	155	42	30	26.4	32	30	129
HSK63A-SFFB10-180-M67	10	22	180	67	28	29	42	30	154
HSK63A-SFFB12-135-M22	12	26	135	22	28	28.3	42	30	107
HSK63A-SFFB12-180-M67	12	26	180	67	28	33	42	30	152
HSK63A-SFFB16-180-M67	16	32	180	67	28	39	42	32	152

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
HSK100A-SFFB03-90-M22	03	9.5	90	22	39	11.8	26	9	60
HSK100A-SFFB03-110-M42	03	9.5	110	42	39	13.9	26	9	80
HSK100A-SFFB03-120-M22	03	9.5	120	22	69	11.8	26	9	90
HSK100A-SFFB03-135-M67	03	9.5	135	67	39	16.5	26	9	105
HSK100A-SFFB03-140-M42	03	9.5	140	42	69	13.9	25	9	111
HSK100A-SFFB03-165-M67	03	9.5	165	67	69	16.5	26	9	135
HSK100A-SFFB04-90-M22	04	12	90	22	39	14.3	26	12	61
HSK100A-SFFB04-110-M42	04	12	110	42	39	16.4	26	12	81
HSK100A-SFFB04-120-M22	04	12	120	22	69	14.3	25	12	91
HSK100A-SFFB04-135-M67	04	12	135	67	39	19	26	12	105
HSK100A-SFFB04-140-M42	04	12	140	42	69	16.4	26	12	111
HSK100A-SFFB04-165-M67	04	12	165	67	69	19	26	12	135
HSK100A-SFFB06-90-M22	06	14	90	22	39	16.3	32	18	61
HSK100A-SFFB06-110-M42	06	14	110	42	39	18.4	32	18	81
HSK100A-SFFB06-120-M22	06	14	120	22	69	16.3	32	18	91
HSK100A-SFFB06-135-M67	06	14	135	67	39	21	36	18	105
HSK100A-SFFB06-140-M42	06	14	140	42	69	18.4	32	18	111
HSK100A-SFFB06-165-M67	06	14	165	67	69	21	32	18	136
HSK100A-SFFB08-90-M22	08	18	90	22	39	20.3	36	24	60
HSK100A-SFFB08-110-M42	08	18	110	42	39	22.4	36	24	80
HSK100A-SFFB08-120-M22	08	18	120	22	69	20.3	32	24	91
HSK100A-SFFB08-135-M67	08	18	135	67	39	25	36	24	105
HSK100A-SFFB08-140-M42	08	18	140	42	69	22.4	36	24	110
HSK100A-SFFB08-165-M67	08	18	165	67	69	25	36	24	136
HSK100A-SFFB10-90-M22	10	22	90	22	39	24.3	32	30	61
HSK100A-SFFB10-110-M42	10	22	110	42	39	26.4	32	30	81
HSK100A-SFFB10-120-M22	10	22	120	22	69	24.3	32	30	91
HSK100A-SFFB10-135-M67	10	22	135	67	39	29	36	30	105
HSK100A-SFFB10-140-M42	10	22	140	42	69	26.4	36	30	110
HSK100A-SFFB10-165-M67	10	22	165	67	69	29	36	30	135

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	C1	C2	H	h
HSK100A-SFFB12-90-M22	12	26	90	22	39	28.3	42	30	58
HSK100A-SFFB12-110-M42	12	26	110	42	39	30.4	42	30	78
HSK100A-SFFB12-120-M22	12	26	120	22	69	28.3	42	30	87
HSK100A-SFFB12-135-M67	12	26	135	67	39	33	50	30	100
HSK100A-SFFB12-140-M42	12	26	140	42	69	30.4	50	30	105
HSK100A-SFFB12-165-M67	12	26	165	67	69	33	42	30	132
HSK100A-SFFB12-170-M42	12	26	170	42	99	30.4	50	30	135
HSK100A-SFFB12-195-M67	12	26	195	67	28	33	42	30	162
HSK100A-SFFB16-90-M22	16	32	90	22	39	34.3	42	32	58
HSK100A-SFFB16-110-M42	16	32	110	42	39	36.4	42	32	75
HSK100A-SFFB16-120-M22	16	32	120	22	69	34.3	42	32	87
HSK100A-SFFB16-135-M67	16	32	135	67	39	39	42	32	103
HSK100A-SFFB16-140-M42	16	32	140	42	69	36.4	42	32	107
HSK100A-SFFB16-165-M67	16	32	165	67	69	39	42	32	132
HSK100A-SFFB16-170-M42	16	32	170	42	99	36.4	50	32	135
HSK100A-SFFB16-195-M67	16	32	195	67	28	39	50	32	162
HSK100A-SFFB20-110-M42	20	38	110	42	39	42.4	53	40	78
HSK100A-SFFB20-135-M67	20	38	135	67	39	45	53	40	103
HSK100A-SFFB20-140-M42	20	38	140	42	69	42.4	53	40	105
HSK100A-SFFB20-165-M67	20	38	165	67	69	45	53	40	130
HSK100A-SFFB20-170-M42	20	38	170	42	28	42.4	53	40	135
HSK100A-SFFB20-195-M67	20	38	195	67	99	45	50	40	160
HSK100A-SFFB25-110-M42	25	45	110	42	39	49.6	53	45	78
HSK100A-SFFB25-140-M42	25	45	140	42	69	49.6	50	45	105

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	L1	L2	C1	C2	C3	H	h
HSK100A-SFFB03-150-M22	03	9.5	150	22	33	66	11.8	26	40	9	120
HSK100A-SFFB03-170-M42	03	9.5	170	42	33	66	13.9	26	40	9	140
HSK100A-SFFB03-195-M67	03	9.5	195	67	33	66	16.5	26	40	9	165
HSK100A-SFFB04-150-M22	04	12	150	22	33	66	14.3	25	39	12	121
HSK100A-SFFB04-170-M42	04	12	170	42	33	66	16.4	25	39	12	141
HSK100A-SFFB04-195-M67	04	12	195	67	33	66	19	25	39	12	166
HSK100A-SFFB06-150-M22	06	14	150	22	30	69	16.3	32	46	18	121
HSK100A-SFFB06-170-M42	06	14	170	42	30	69	18.4	36	46	18	141
HSK100A-SFFB06-195-M67	06	14	195	67	30	69	21	32	46	18	166
HSK100A-SFFB08-150-M22	08	18	150	22	30	69	20.3	32	46	24	121
HSK100A-SFFB08-170-M42	08	18	170	42	28	71	22.4	36	50	24	140
HSK100A-SFFB08-195-M67	08	18	195	67	30	69	25	32	46	24	166
HSK100A-SFFB10-150-M22	10	22	150	22	30	69	24.3	32	46	30	121
HSK100A-SFFB10-170-M42	10	22	170	42	30	69	26.4	32	46	30	141
HSK100A-SFFB10-195-M67	10	22	195	67	28	71	29	42	56	30	166
HSK100A-SFFB12-150-M22	12	26	150	22	28	71	28.3	42	56	30	117
HSK100A-SFFB16-150-M22	16	32	150	22	28	71	34.3	42	56	32	117
HSK100A-SFFB25-170-M42	25	45	170	42	28	71	49.6	53	67	45	135

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK50E-SFFB03-75-M22	03	9.5	75	22	27	11.8	25	9	61
HSK50E-SFFB04-75-M22	04	12	75	22	27	14.3	25	12	61
HSK50E-SFFB06-75-M22	06	14	75	22	27	16.3	32	18	60
HSK50E-SFFB08-75-M22	08	18	75	22	27	20.3	32	24	60
HSK50E-SFFB10-75-M22	10	22	75	22	27	24.3	32	30	60
HSK50E-SFFB12-75-M22	12	26	75	22	27	28.3	42	30	62
HSK50E-SFFB16-75-M22	16	32	75	22	27	34.3	42	32	62

Shrink Chuck, 3°, Regular, Coolant

热缩刀柄 3 度，端面出水型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	L1	C1	C2	H	h
HSK63F-SFFB03-75-M22	03	9.5	75	22	27	11.8	25	9	58
HSK63F-SFFB03-95-M42	03	9.5	95	42	27	13.9	25	9	78
HSK63F-SFFB03-120-M67	03	9.5	120	67	27	16.5	25	9	103
HSK63F-SFFB04-75-M22	04	12	75	22	27	14.3	25	12	53
HSK63F-SFFB04-95-M42	04	12	95	42	27	16.4	25	12	78
HSK63F-SFFB04-120-M67	04	12	120	67	27	19	25	12	98
HSK63F-SFFB06-75-M22	06	14	75	22	27	16.3	32	18	58
HSK63F-SFFB08-75-M22	08	18	75	22	27	20.3	32	24	58
HSK63F-SFFB10-75-M22	10	22	75	22	27	24.3	32	30	54
HSK63F-SFFB12-75-M22	12	26	75	22	27	28.3	42	30	54
HSK63F-SFFB12-75-M22	12	26	75	22	27	28.3	42	30	54
HSK63F-SFFB20-75-M22	20	38	75	22	27	40.3	50	40	53
HSK63F-SFFB25-75-M22	25	45	75	22	27	47.3	50	45	53

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
BT30-SFSA04-75 CV	04	7	75	53	34	12	99
BT30-SFSA04-90 CV	04	7	90	68	34	12	114
BT30-SFSA04-120 CV	04	7	120	98	34	12	144
BT30-SFRA04-90 CV	04	10	90	68	34	12	114
BT30-SFRA04-120 CV	04	10	120	98	34	12	144
BT30-SFSA06-75 CV	06	9	75	53	34	18	99
BT30-SFSA06-90 CV	06	9	90	68	34	18	114
BT30-SFSA06-120 CV	06	9	120	98	34	18	144
BT30-SFRA06-90 CV	06	13	90	68	34	18	114
BT30-SFRA06-120 CV	06	13	120	98	34	18	144
BT30-SFSA08-75 CV	08	11	75	53	34	24	99
BT30-SFSA08-90 CV	08	11	90	68	34	24	114
BT30-SFRA08-90 CV	08	16	90	68	34	24	114
BT30-SFSA10-75 CV	10	13	75	53	34	30	99
BT30-SFSA10-90 CV	10	13	90	68	34	30	114
BT30-SFRA10-90 CV	10	19	90	68	34	30	114

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
BT40-SFSA04-90 CV	04	7	90	63	53	12	125
BT40-SFSA04-120 CV	04	7	120	93	53	12	155
BT40-SFSA04-150 CV	04	7	150	123	53	12	185
BT40-SFSA04-180 CV	04	7	180	153	53	12	215
BT40-SFSA04-210 CV	04	7	210	183	53	12	245
BT40-SFSA04-240 CV	04	7	240	213	53	12	275
BT40-SFRA04-120 CV	04	10	120	93	53	12	155
BT40-SFRA04-150 CV	04	10	150	123	53	12	185
BT40-SFRA04-180 CV	04	10	180	153	53	12	215
BT40-SFRA04-210 CV	04	10	210	183	53	12	245
BT40-SFSA06-90 CV	06	9	90	63	53	18	125
BT40-SFSA06-120 CV	06	9	120	93	53	18	155
BT40-SFSA06-150 CV	06	9	150	123	53	18	185
BT40-SFSA06-180 CV	06	9	180	153	53	18	215
BT40-SFSA06-210 CV	06	9	210	183	53	18	245
BT40-SFSA06-240 CV	06	9	240	213	53	18	275
BT40-SFRA06-90 CV	06	13	90	63	53	18	125
BT40-SFRA06-120 CV	06	13	120	93	53	18	155
BT40-SFRA06-150 CV	06	13	150	123	53	18	185
BT40-SFRA06-180 CV	06	13	180	153	53	18	215
BT40-SFRA06-210 CV	06	13	210	183	53	18	245
BT40-SFFA06-90 CV	06	13	90	63	53	18	125
BT40-SFFA06-120 CV	06	13	120	93	53	18	155
BT40-SFFA06-150 CV	06	13	150	123	53	18	185
BT40-SFFA06-180 CV	06	13	180	153	53	18	215
BT40-SFFA06-210 CV	06	13	210	183	53	18	245

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
BT40-SFSA08-90 CV	08	11	90	63	53	24	125
BT40-SFSA08-120 CV	08	11	120	93	53	24	155
BT40-SFSA08-150 CV	08	11	150	123	53	24	185
BT40-SFSA08-180 CV	08	11	180	153	53	24	215
BT40-SFSA08-210 CV	08	11	210	183	53	24	245
BT40-SFSA08-240 CV	08	11	240	213	53	24	275
BT40-SFRA08-90 CV	08	16	90	63	53	24	125
BT40-SFRA08-120 CV	08	16	120	93	53	24	155
BT40-SFRA08-150 CV	08	16	150	123	53	24	185
BT40-SFRA08-180 CV	08	16	180	153	53	24	215
BT40-SFRA08-210 CV	08	16	210	183	53	24	245
BT40-SFFA08-90 CV	08	16	90	63	53	24	125
BT40-SFFA08-120 CV	08	16	120	93	53	24	155
BT40-SFFA08-150 CV	08	16	150	123	53	24	185
BT40-SFFA08-180 CV	08	16	180	153	53	24	215
BT40-SFFA08-210 CV	08	16	210	183	53	24	245
BT40-SFSA10-90 CV	10	13	90	63	53	30	125
BT40-SFSA10-120 CV	10	13	120	93	53	30	155
BT40-SFSA10-150 CV	10	13	150	123	53	30	185
BT40-SFSA10-180 CV	10	13	180	153	53	30	215
BT40-SFSA10-210 CV	10	13	210	183	53	30	245
BT40-SFSA10-240 CV	10	13	240	213	53	30	275
BT40-SFRA10-90 CV	10	19	90	63	53	30	125
BT40-SFRA10-120 CV	10	19	120	93	53	30	155
BT40-SFRA10-150 CV	10	19	150	123	53	30	185
BT40-SFRA10-180 CV	10	19	180	153	53	30	215
BT40-SFRA10-210 CV	10	19	210	183	53	30	245
BT40-SFFA10-90 CV	10	19	90	63	53	30	125
BT40-SFFA10-120 CV	10	19	120	93	53	30	155
BT40-SFFA10-150 CV	10	19	150	123	53	30	185
BT40-SFFA10-180 CV	10	19	180	153	53	30	215
BT40-SFFA10-210 CV	10	19	210	183	53	30	245

Shrink Chuck, Curved
热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
BT40-SFSA12-90 CV	12	15	90	63	53	30	125
BT40-SFSA12-120 CV	12	15	120	93	53	30	155
BT40-SFSA12-150 CV	12	15	150	123	53	30	185
BT40-SFSA12-180 CV	12	15	180	153	53	30	215
BT40-SFSA12-210 CV	12	15	210	183	53	30	245
BT40-SFSA12-240 CV	12	15	240	213	53	30	275
BT40-SFRA12-90 CV	12	22	90	63	53	30	125
BT40-SFRA12-120 CV	12	22	120	93	53	30	155
BT40-SFRA12-150 CV	12	22	150	123	53	30	185
BT40-SFRA12-180 CV	12	22	180	153	53	30	215
BT40-SFRA12-210 CV	12	22	210	183	53	30	245
BT40-SFFA12-90 CV	12	22	90	63	53	30	125
BT40-SFFA12-120 CV	12	22	120	93	53	30	155
BT40-SFFA12-150 CV	12	22	150	123	53	30	185
BT40-SFFA12-180 CV	12	22	180	153	53	30	215
BT40-SFFA12-210 CV	12	22	210	183	53	30	245
BT40-SFSB16-90 CV	16	21	90	63	53	32	100
BT40-SFSB16-120 CV	16	21	120	93	53	32	130
BT40-SFSB16-150 CV	16	21	150	123	53	32	160
BT40-SFSB16-180 CV	16	21	180	153	53	32	190
BT40-SFSB16-210 CV	16	21	210	183	53	32	220
BT40-SFSB16-240 CV	16	21	240	213	53	32	250
BT40-SFSB20-90 CV	20	26	90	63	50.5	40	100
BT40-SFSB20-120 CV	20	26	120	93	53	40	130
BT40-SFSB20-150 CV	20	26	150	123	53	40	160
BT40-SFSB20-180 CV	20	26	180	153	53	40	190
BT40-SFSB20-210 CV	20	26	210	183	53	40	220
BT40-SFSB20-240 CV	20	26	240	213	53	40	250

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
BT50-SFSA04-165 CV	04	7	165	127	85	12	220
BT50-SFSA04-195 CV	04	7	195	157	85	12	250
BT50-SFSA04-225 CV	04	7	225	187	85	12	280
BT50-SFSA04-255 CV	04	7	255	217	85	12	310
BT50-SFSA04-285 CV	04	7	285	247	85	12	340
BT50-SFSA04-315 CV	04	7	315	277	85	12	370
BT50-SFSA06-165 CV	06	9	165	127	85	18	220
BT50-SFSA06-195 CV	06	9	195	157	85	18	250
BT50-SFSA06-225 CV	06	9	225	187	85	18	280
BT50-SFSA06-255 CV	06	9	255	217	85	18	310
BT50-SFSA06-285 CV	06	9	285	247	85	18	340
BT50-SFSA06-315 CV	06	9	315	277	85	18	370
BT50-SFSA08-165 CV	08	11	165	127	85	24	220
BT50-SFSA08-195 CV	08	11	195	157	85	24	250
BT50-SFSA08-225 CV	08	11	225	187	85	24	280
BT50-SFSA08-255 CV	08	11	255	217	85	24	310
BT50-SFSA08-285 CV	08	11	285	247	85	24	340
BT50-SFSA08-315 CV	08	11	315	277	85	24	370
BT50-SFRA08-195 CV	08	16	195	157	85	24	250
BT50-SFRA08-225 CV	08	16	225	187	85	24	280
BT50-SFRA08-255 CV	08	16	255	217	85	24	310
BT50-SFRA08-285 CV	08	16	285	247	85	24	340
BT50-SFFA08-195 CV	08	16	195	157	85	24	250
BT50-SFFA08-225 CV	08	16	225	187	85	24	280
BT50-SFFA08-255 CV	08	16	255	217	85	24	310
BT50-SFFA08-285 CV	08	16	285	247	85	24	340

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
BT50-SFSA10-165 CV	10	13	165	127	85	30	220
BT50-SFSA10-195 CV	10	13	195	157	85	30	250
BT50-SFSA10-225 CV	10	13	225	187	85	30	280
BT50-SFSA10-255 CV	10	13	255	217	85	30	310
BT50-SFSA10-285 CV	10	13	285	247	85	30	340
BT50-SFSA10-315 CV	10	13	315	277	85	30	370
BT50-SFRA10-165 CV	10	19	165	127	85	30	220
BT50-SFRA10-195 CV	10	19	195	157	85	30	250
BT50-SFRA10-225 CV	10	19	225	187	85	30	280
BT50-SFRA10-255 CV	10	19	255	217	85	30	310
BT50-SFRA10-285 CV	10	19	285	247	85	30	340
BT50-SFFA10-165 CV	10	19	165	127	85	30	220
BT50-SFFA10-195 CV	10	19	195	157	85	30	250
BT50-SFFA10-225 CV	10	19	225	187	85	30	280
BT50-SFFA10-255 CV	10	19	255	217	85	30	310
BT50-SFFA10-285 CV	10	19	285	247	85	30	340
BT50-SFSA12-165 CV	12	15	165	127	84	30	220
BT50-SFSA12-195 CV	12	15	195	157	85	30	250
BT50-SFSA12-225 CV	12	15	225	187	85	30	280
BT50-SFSA12-255 CV	12	15	255	217	85	30	310
BT50-SFSA12-285 CV	12	15	285	247	85	30	340
BT50-SFSA12-315 CV	12	15	315	277	85	30	370
BT50-SFRA12-165 CV	12	22	165	127	85	30	220
BT50-SFRA12-195 CV	12	22	195	157	85	30	250
BT50-SFRA12-225 CV	12	22	225	187	85	30	280
BT50-SFRA12-255 CV	12	22	255	217	85	30	310
BT50-SFRA12-285 CV	12	22	285	247	85	30	340
BT50-SFFA12-165 CV	12	22	165	127	85	30	220
BT50-SFFA12-195 CV	12	22	195	157	85	30	250
BT50-SFFA12-225 CV	12	22	225	187	85	30	280
BT50-SFFA12-255 CV	12	22	255	217	85	30	310
BT50-SFFA12-285 CV	12	22	285	247	85	30	340

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
BT50-SFSB16-165 CV	16	21	165	127	85	32	220
BT50-SFSB16-195 CV	16	21	195	157	85	32	250
BT50-SFSB16-225 CV	16	21	225	187	85	32	280
BT50-SFSB16-255 CV	16	21	255	217	85	32	310
BT50-SFSB16-285 CV	16	21	285	247	85	32	340
BT50-SFSB16-315 CV	16	21	315	277	85	32	370
BT50-SFSB20-165 CV	20	26	165	127	85	40	220
BT50-SFSB20-195 CV	20	26	195	157	85	40	250
BT50-SFSB20-225 CV	20	26	225	187	85	40	280
BT50-SFSB20-255 CV	20	26	255	217	85	40	310
BT50-SFSB20-285 CV	20	26	285	247	85	40	340
BT50-SFSB20-315 CV	20	26	315	277	85	40	370

Shrink Chuck, Curved
热缩刀柄，曲线型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK63A-SFSA04-90 CV	04	7	90	64	53	12	65
HSK63A-SFSA04-120 CV	04	7	120	94	53	12	95
HSK63A-SFSA04-150 CV	04	7	150	124	53	12	125
HSK63A-SFSA04-180 CV	04	7	180	154	53	12	154
HSK63A-SFSA04-210 CV	04	7	210	184	53	12	185
HSK63A-SFSA04-240 CV	04	7	240	214	53	12	214
HSK63A-SFSA04-270 CV	04	7	270	244	53	12	245
HSK63A-SFSA04-300 CV	04	7	300	274	53	12	275
HSK63A-SFRA04-120 CV	04	10	120	94	53	12	95
HSK63A-SFRA04-150 CV	04	10	150	124	53	12	125
HSK63A-SFRA04-180 CV	04	10	180	154	53	12	155
HSK63A-SFRA04-210 CV	04	10	210	184	53	12	185
HSK63A-SFSA6-90 CV	06	9	90	64	53	18	65
HSK63A-SFSA6-120 CV	06	9	120	94	53	18	95
HSK63A-SFSA6-150 CV	06	9	150	124	53	18	125
HSK63A-SFSA6-180 CV	06	9	180	154	53	18	154
HSK63A-SFSA6-210 CV	06	9	210	184	53	18	184
HSK63A-SFSA6-240 CV	06	9	240	214	53	18	214
HSK63A-SFSA6-270 CV	06	9	270	244	53	18	245
HSK63A-SFSA6-300 CV	06	9	300	274	53	18	275
HSK63A-SFRA06-90 CV	06	13	90	64	53	18	65
HSK63A-SFRA06-120 CV	06	13	120	94	53	18	95
HSK63A-SFRA06-150 CV	06	13	150	124	53	18	125
HSK63A-SFRA06-180 CV	06	13	180	154	53	18	155
HSK63A-SFRA06-210 CV	06	13	210	184	53	18	185
HSK63A-SFFA06-90 CV	06	13	90	64	53	18	65
HSK63A-SFFA06-120 CV	06	13	120	94	53	18	95
HSK63A-SFFA06-150 CV	06	13	150	124	53	18	125
HSK63A-SFFA06-180 CV	06	13	180	154	53	18	155
HSK63A-SFFA06-210 CV	06	13	210	184	53	18	185

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK63A-SFSA08-90 CV	08	11	90	64	53	24	65
HSK63A-SFSA08-120 CV	08	11	120	94	53	24	94
HSK63A-SFSA08-150 CV	08	11	150	124	53	24	124
HSK63A-SFSA08-180 CV	08	11	180	154	53	24	155
HSK63A-SFSA08-210 CV	08	11	210	184	53	24	184
HSK63A-SFSA08-240 CV	08	11	240	214	53	24	214
HSK63A-SFSA08-270 CV	08	11	270	244	53	24	244
HSK63A-SFSA08-300 CV	08	11	300	274	53	24	274
HSK63A-SFRA08-90 CV	08	16	90	64	53	24	65
HSK63A-SFRA08-120 CV	08	16	120	94	53	24	95
HSK63A-SFRA08-150 CV	08	16	150	124	53	24	125
HSK63A-SFRA08-180 CV	08	16	180	154	53	24	155
HSK63A-SFRA08-210 CV	08	16	210	184	53	24	185
HSK63A-SFFA08-90 CV	08	16	90	64	53	24	65
HSK63A-SFFA08-120 CV	08	16	120	94	53	24	95
HSK63A-SFFA08-150 CV	08	16	150	124	53	24	125
HSK63A-SFFA08-180 CV	08	16	180	154	53	24	155
HSK63A-SFFA08-210 CV	08	16	210	184	53	24	185

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK63A-SFSA10-90 CV	10	13	90	64	53	30	65
HSK63A-SFSA10-120 CV	10	13	120	94	53	30	95
HSK63A-SFSA10-150 CV	10	13	150	124	53	30	125
HSK63A-SFSA10-180 CV	10	13	180	154	53	30	154
HSK63A-SFSA10-210 CV	10	13	210	184	53	30	184
HSK63A-SFSA10-240 CV	10	13	240	214	53	30	212
HSK63A-SFSA10-270 CV	10	13	270	244	53	30	244
HSK63A-SFSA10-300 CV	10	13	300	274	53	30	274
HSK63A-SFRA10-90 CV	10	19	90	64	53	30	65
HSK63A-SFRA10-120 CV	10	19	120	94	53	30	95
HSK63A-SFRA10-150 CV	10	19	150	124	53	30	125
HSK63A-SFRA10-180 CV	10	19	180	154	53	30	155
HSK63A-SFRA10-210 CV	10	19	210	184	53	30	185
HSK63A-SFFA10-90 CV	10	19	90	64	53	30	65
HSK63A-SFFA10-120 CV	10	19	120	94	53	30	95
HSK63A-SFFA10-150 CV	10	19	150	124	53	30	125
HSK63A-SFFA10-180 CV	10	19	180	154	53	30	155
HSK63A-SFFA10-210 CV	10	19	210	184	53	30	185

Shrink Chuck, Curved
热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK63A-SFSA12-90 CV	12	15	90	64	53	30	64
HSK63A-SFSA12-120 CV	12	15	120	94	53	30	94
HSK63A-SFSA12-150 CV	12	15	150	124	53	30	124
HSK63A-SFSA12-180 CV	12	15	180	154	53	30	154
HSK63A-SFSA12-210 CV	12	15	210	184	53	30	184
HSK63A-SFSA12-240 CV	12	15	240	214	53	30	212
HSK63A-SFSA12-270 CV	12	15	270	244	53	30	244
HSK63A-SFRA12-90 CV	12	22	90	64	53	30	64
HSK63A-SFRA12-120 CV	12	22	120	94	53	30	94
HSK63A-SFRA12-150 CV	12	22	150	124	53	30	124
HSK63A-SFRA12-180 CV	12	22	180	154	53	30	154
HSK63A-SFRA12-210 CV	12	22	210	184	53	30	184
HSK63A-SFFA12-90 CV	12	22	90	64	53	30	64
HSK63A-SFFA12-120 CV	12	22	120	94	53	30	94
HSK63A-SFFA12-150 CV	12	22	150	124	53	30	124
HSK63A-SFFA12-180 CV	12	22	180	154	53	30	154
HSK63A-SFFA12-210 CV	12	22	210	184	53	30	184
HSK63A-SFSB16-90 CV	16	21	90	64	53	32	62
HSK63A-SFSB16-120 CV	16	21	120	94	53	32	92
HSK63A-SFSB16-150 CV	16	21	150	124	53	32	122
HSK63A-SFSB16-180 CV	16	21	180	154	53	32	152
HSK63A-SFSB16-210 CV	16	21	210	184	53	32	182
HSK63A-SFSB16-240 CV	16	21	240	214	53	32	212
HSK63A-SFSB16-270 CV	16	21	270	244	53	32	242
HSK63A-SFSB20-90 CV	20	26	90	64	51	40	62
HSK63A-SFSB20-120 CV	20	26	120	94	53	40	92
HSK63A-SFSB20-150 CV	20	26	150	124	53	40	122
HSK63A-SFSB20-180 CV	20	26	180	154	53	40	152
HSK63A-SFSB20-210 CV	20	26	210	184	53	40	182
HSK63A-SFSB20-240 CV	20	26	240	214	53	40	212
HSK63A-SFSB20-270 CV	20	26	270	244	53	40	242

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK100A-SFSA04-165 CV	04	7	165	136	85	12	133
HSK100A-SFSA04-195 CV	04	7	195	166	85	12	163
HSK100A-SFSA04-225 CV	04	7	225	196	85	12	196
HSK100A-SFSA04-255 CV	04	7	255	226	85	12	226
HSK100A-SFSA04-285 CV	04	7	285	256	85	12	256
HSK100A-SFSA04-315 CV	04	7	315	286	85	12	286
HSK100A-SFSA04-345 CV	04	7	345	316	85	12	316
HSK100A-SFSA06-165 CV	06	9	165	136	85	18	136
HSK100A-SFSA06-195 CV	06	9	195	166	85	18	166
HSK100A-SFSA06-225 CV	06	9	225	196	85	18	196
HSK100A-SFSA06-255 CV	06	9	255	226	85	18	226
HSK100A-SFSA06-285 CV	06	9	285	256	85	18	256
HSK100A-SFSA06-315 CV	06	9	315	286	85	18	286
HSK100A-SFSA06-345 CV	06	9	345	316	85	18	316
HSK100A-SFSA08-165 CV	08	11	165	136	85	24	136
HSK100A-SFSA08-195 CV	08	11	195	166	85	24	166
HSK100A-SFSA08-225 CV	08	11	225	196	85	24	196
HSK100A-SFSA08-255 CV	08	11	255	226	85	24	226
HSK100A-SFSA08-285 CV	08	11	285	256	85	24	256
HSK100A-SFSA08-315 CV	08	11	315	286	85	24	286
HSK100A-SFSA08-345 CV	08	11	345	316	85	24	311
HSK100A-SFRA08-195 CV	08	16	195	166	85	24	166
HSK100A-SFRA08-225 CV	08	16	225	196	85	24	196
HSK100A-SFRA08-255 CV	08	16	255	226	85	24	226
HSK100A-SFRA08-285 CV	08	16	285	256	85	24	256
HSK100A-SFFA08-195 CV	08	16	195	166	85	24	166
HSK100A-SFFA08-225 CV	08	16	225	196	85	24	196
HSK100A-SFFA08-255 CV	08	16	255	226	85	24	226
HSK100A-SFFA08-285 CV	08	16	285	256	85	24	256

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK100A-SFSA10-165 CV	10	13	165	136	85	30	136
HSK100A-SFSA10-195 CV	10	13	195	166	85	30	166
HSK100A-SFSA10-225 CV	10	13	225	196	85	30	196
HSK100A-SFSA10-255 CV	10	13	255	226	85	30	226
HSK100A-SFSA10-285 CV	10	13	285	256	85	30	251
HSK100A-SFSA10-315 CV	10	13	315	286	85	30	286
HSK100A-SFSA10-345 CV	10	13	345	316	85	30	311
HSK100A-SFRA10-165 CV	10	19	165	136	85	30	136
HSK100A-SFRA10-195 CV	10	19	195	166	85	30	166
HSK100A-SFRA10-225 CV	10	19	225	196	85	30	196
HSK100A-SFRA10-255 CV	10	19	255	226	85	30	226
HSK100A-SFRA10-285 CV	10	19	285	256	85	30	256
HSK100A-SFFA10-165 CV	10	19	165	136	85	30	136
HSK100A-SFFA10-195 CV	10	19	195	166	85	30	166
HSK100A-SFFA10-225 CV	10	19	225	196	85	30	196
HSK100A-SFFA10-255 CV	10	19	255	226	85	30	226
HSK100A-SFFA10-285 CV	10	19	285	256	85	30	256

Shrink Chuck, Curved
热缩刀柄，曲线型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	C	L	M	C1	H	h
HSK100A-SFSA12-165 CV	12	15	165	136	85	30	133
HSK100A-SFSA12-195 CV	12	15	195	166	85	30	163
HSK100A-SFSA12-225 CV	12	15	225	196	85	30	175
HSK100A-SFSA12-255 CV	12	15	255	226	85	30	190
HSK100A-SFSA12-285 CV	12	15	285	256	85	30	251
HSK100A-SFSA12-315 CV	12	15	315	286	85	30	281
HSK100A-SFSA12-345 CV	12	15	345	316	85	30	311
HSK100A-SFRA12-165 CV	12	22	165	136	85	30	133
HSK100A-SFRA12-195 CV	12	22	195	166	85	30	163
HSK100A-SFRA12-225 CV	12	22	225	196	85	30	159
HSK100A-SFRA12-255 CV	12	22	255	226	85	30	221
HSK100A-SFRA12-285 CV	12	22	285	256	85	30	251
HSK100A-SFFA12-165 CV	12	22	165	136	85	30	133
HSK100A-SFFA12-195 CV	12	22	195	166	85	30	163
HSK100A-SFFA12-225 CV	12	22	225	196	85	30	159
HSK100A-SFFA12-255 CV	12	22	255	226	85	30	221
HSK100A-SFFA12-285 CV	12	22	285	256	85	30	251
HSK100A-SFSB16-165 CV	16	21	165	136	85	32	131
HSK100A-SFSB16-195 CV	16	21	195	166	85	32	161
HSK100A-SFSB16-225 CV	16	21	225	196	85	32	191
HSK100A-SFSB16-255 CV	16	21	255	226	85	32	221
HSK100A-SFSB16-285 CV	16	21	285	256	85	32	251
HSK100A-SFSB16-315 CV	16	21	315	286	85	32	281
HSK100A-SFSB16-345 CV	16	21	345	316	85	32	311
HSK100A-SFSB20-165 CV	20	26	165	136	85	40	132
HSK100A-SFSB20-195 CV	20	26	195	166	85	40	161
HSK100A-SFSB20-225 CV	20	26	225	196	85	40	191
HSK100A-SFSB20-255 CV	20	26	255	226	85	40	221
HSK100A-SFSB20-285 CV	20	26	285	256	85	40	251
HSK100A-SFSB20-315 CV	20	26	315	286	85	40	281
HSK100A-SFSB20-345 CV	20	26	345	316	85	40	311

Shrink Chuck, Curved
热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK32E-SFSA04-60 CV	04	7	60	40	12	12	43
HSK32E-SFSA04-90 CV	04	7	90	70	12	12	73
HSK32E-SFSA06-60 CV	06	9	60	40	18	18	43
HSK32E-SFSA06-90 CV	06	9	90	70	18	18	73
HSK32E-SFSA08-60 CV	08	11	60	40	24	24	38
HSK32E-SFSA08-90 CV	08	11	90	70	24	24	38
HSK32E-SFSA10-60 CV	10	13	60	40	30	30	48
HSK32E-SFSA10-90 CV	10	13	90	70	30	30	60

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK40E-SFSA04-90 CV	04	7	90	70	34	12	74
HSK40E-SFSA04-120 CV	04	7	120	100	34	12	104
HSK40E-SFSA04-150 CV	04	7	150	130	34	12	134
HSK40E-SFRA04-90 CV	04	10	90	70	34	12	74
HSK40E-SFRA04-120 CV	04	10	120	100	34	12	104
HSK40E-SFSA06-90 CV	06	9	90	70	34	18	74
HSK40E-SFSA06-120 CV	06	9	120	100	34	18	104
HSK40E-SFSA06-150 CV	06	9	150	130	34	18	134
HSK40E-SFRA06-90 CV	06	13	90	70	34	18	74
HSK40E-SFRA06-120 CV	06	13	120	100	34	18	104
HSK40E-SFSA08-90 CV	08	11	90	70	34	24	74
HSK40E-SFSA08-120 CV	08	11	120	100	34	24	104
HSK40E-SFSA08-150 CV	08	11	150	130	34	24	134
HSK40E-SFRA08-90 CV	08	16	90	70	34	24	74
HSK40E-SFRA08-120 CV	08	16	120	100	34	24	104
HSK40E-SFSA10-90 CV	10	13	90	70	34	30	74
HSK40E-SFSA10-120 CV	10	13	120	100	34	30	104
HSK40E-SFSA10-150 CV	10	13	150	130	34	30	134
HSK40E-SFRA10-90 CV	10	19	90	70	34	30	74
HSK40E-SFRA10-120 CV	10	19	120	100	34	30	104

Shrink Chuck, Curved
热缩刀柄，曲线型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK50E-SFSA04-90 CV	04	7	90	64	42	12	74
HSK50E-SFSA04-120 CV	04	7	120	94	42	12	104
HSK50E-SFSA04-150 CV	04	7	150	124	42	12	134
HSK50E-SFSA04-180 CV	04	7	180	154	42	12	164
HSK50E-SFRA04-120 CV	04	10	120	94	42	12	104
HSK50E-SFRA04-150 CV	04	10	150	124	42	12	134
HSK50E-SFSA06-90 CV	06	9	90	64	42	18	74
HSK50E-SFSA06-120 CV	06	9	120	94	42	18	104
HSK50E-SFSA06-150 CV	06	9	150	124	42	18	134
HSK50E-SFSA06-180 CV	06	9	180	154	42	18	164
HSK50E-SFRA06-120 CV	06	13	120	94	42	18	104
HSK50E-SFRA06-150 CV	06	13	150	124	42	18	132
HSK50E-SFSA08-90 CV	08	11	90	64	42	24	74
HSK50E-SFSA08-120 CV	08	11	120	94	42	24	104
HSK50E-SFSA08-150 CV	08	11	150	124	42	24	134
HSK50E-SFSA08-180 CV	08	11	180	154	42	24	164
HSK50E-SFRA08-120 CV	08	16	120	94	42	24	102
HSK50E-SFRA08-150 CV	08	16	150	124	42	24	132
HSK50E-SFSA10-90 CV	10	13	90	64	42	30	74
HSK50E-SFSA10-120 CV	10	13	120	94	42	30	104
HSK50E-SFSA10-150 CV	10	13	150	124	42	30	134
HSK50E-SFSA10-180 CV	10	13	180	154	42	30	162
HSK50E-SFRA10-150 CV	10	19	150	124	42	30	132

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK63F-SFSA04-90 CV	04	7	90	64	53	12	65
HSK63F-SFSA04-120 CV	04	7	120	94	53	12	95
HSK63F-SFSA04-150 CV	04	7	150	124	53	12	125
HSK63F-SFSA04-180 CV	04	7	180	154	53	12	154
HSK63F-SFSA04-210 CV	04	7	210	184	53	12	185
HSK63F-SFSA04-240 CV	04	7	240	214	53	12	214
HSK63F-SFSA04-270 CV	04	7	270	244	53	12	245
HSK63F-SFSA04-300 CV	04	7	300	274	53	12	275
HSK63F-SFRA04-120 CV	04	10	120	94	53	12	95
HSK63F-SFRA04-150 CV	04	10	150	124	53	12	125
HSK63F-SFRA04-180 CV	04	10	180	154	53	12	155
HSK63F-SFRA04-210 CV	04	10	210	184	53	12	185
HSK63F-SFSA06-90 CV	06	9	90	64	53	18	65
HSK63F-SFSA06-120 CV	06	9	120	94	53	18	95
HSK63F-SFSA06-150 CV	06	9	150	124	53	18	125
HSK63F-SFSA06-180 CV	06	9	180	154	53	18	154
HSK63F-SFSA06-210 CV	06	9	210	184	53	18	184
HSK63F-SFSA06-240 CV	06	9	240	214	53	18	214
HSK63F-SFSA06-270 CV	06	9	270	244	53	18	245
HSK63F-SFSA06-300 CV	06	9	300	274	53	18	275
HSK63F-SFRA06-90 CV	06	13	90	64	53	18	65
HSK63F-SFRA06-120 CV	06	13	120	94	53	18	95
HSK63F-SFRA06-150 CV	06	13	150	124	53	18	125
HSK63F-SFRA06-180 CV	06	13	180	154	53	18	155
HSK63F-SFRA06-210 CV	06	13	210	184	53	18	185
HSK63F-SFFA06-90 CV	06	13	90	64	53	18	65
HSK63F-SFFA06-120 CV	06	13	120	94	53	18	95
HSK63F-SFFA06-150 CV	06	13	150	124	53	18	125
HSK63F-SFFA06-180 CV	06	13	180	154	53	18	155
HSK63F-SFFA06-210 CV	06	13	210	184	53	18	185

Shrink Chuck, Curved
热缩刀柄，曲线型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK63F-SFSA08-90 CV	08	11	90	64	53	24	65
HSK63F-SFSA08-120 CV	08	11	120	94	53	24	94
HSK63F-SFSA08-150 CV	08	11	150	124	53	24	124
HSK63F-SFSA08-180 CV	08	11	180	154	53	24	155
HSK63F-SFSA08-210 CV	08	11	210	184	53	24	184
HSK63F-SFSA08-240 CV	08	11	240	214	53	24	214
HSK63F-SFSA08-270 CV	08	11	270	244	53	24	244
HSK63F-SFSA08-300 CV	08	11	300	274	53	24	274
HSK63F-SFRA08-90 CV	08	16	90	64	53	24	65
HSK63F-SFRA08-120 CV	08	16	120	94	53	24	95
HSK63F-SFRA08-150 CV	08	16	150	124	53	24	125
HSK63F-SFRA08-180 CV	08	16	180	154	53	24	155
HSK63F-SFRA08-210 CV	08	16	210	184	53	24	185
HSK63F-SFFA08-90 CV	08	16	90	64	53	24	65
HSK63F-SFFA08-120 CV	08	16	120	94	53	24	95
HSK63F-SFFA08-150 CV	08	16	150	124	53	24	125
HSK63F-SFFA08-180 CV	08	16	180	154	53	24	155
HSK63F-SFFA08-210 CV	08	16	210	184	53	24	185

Shrink Chuck, Curved

热缩刀柄，曲线型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK63F-SFSA10-90 CV	10	13	90	64	53	30	65
HSK63F-SFSA10-120 CV	10	13	120	94	53	30	95
HSK63F-SFSA10-150 CV	10	13	150	124	53	30	125
HSK63F-SFSA10-180 CV	10	13	180	154	53	30	154
HSK63F-SFSA10-210 CV	10	13	210	184	53	30	184
HSK63F-SFSA10-240 CV	10	13	240	214	53	30	212
HSK63F-SFSA10-270 CV	10	13	270	244	53	30	244
HSK63F-SFSA10-300 CV	10	13	300	274	53	30	274
HSK63F-SFRA10-90 CV	10	19	90	64	53	30	65
HSK63F-SFRA10-120 CV	10	19	120	94	53	30	95
HSK63F-SFRA10-150 CV	10	19	150	124	53	30	125
HSK63F-SFRA10-180 CV	10	19	180	154	53	30	155
HSK63F-SFRA10-210 CV	10	19	210	184	53	30	185
HSK63F-SFFA10-90 CV	10	19	90	64	53	30	65
HSK63F-SFFA10-120 CV	10	19	120	94	53	30	95
HSK63F-SFFA10-150 CV	10	19	150	124	53	30	125
HSK63F-SFFA10-180 CV	10	19	180	154	53	30	155
HSK63F-SFFA10-210 CV	10	19	210	184	53	30	185

Shrink Chuck, Curved
热缩刀柄，曲线型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	D	C	L	M	C1	H	h
HSK63F-SFSA12-90 CV	12	15	90	64	53	30	64
HSK63F-SFSA12-120 CV	12	15	120	94	53	30	94
HSK63F-SFSA12-150 CV	12	15	150	124	53	30	124
HSK63F-SFSA12-180 CV	12	15	180	154	53	30	154
HSK63F-SFSA12-210 CV	12	15	210	184	53	30	184
HSK63F-SFSA12-240 CV	12	15	240	214	53	30	212
HSK63F-SFSA12-270 CV	12	15	270	244	53	30	244
HSK63F-SFRA12-90 CV	12	22	90	64	53	30	64
HSK63F-SFRA12-120 CV	12	22	120	94	53	30	94
HSK63F-SFRA12-150 CV	12	22	150	124	53	30	124
HSK63F-SFRA12-180 CV	12	22	180	154	53	30	154
HSK63F-SFRA12-210 CV	12	22	210	184	53	30	184
HSK63F-SFFA12-90 CV	12	22	90	64	53	30	64
HSK63F-SFFA12-120 CV	12	22	120	94	53	30	94
HSK63F-SFFA12-150 CV	12	22	150	124	53	30	124
HSK63F-SFFA12-180 CV	12	22	180	154	53	30	154
HSK63F-SFFA12-210 CV	12	22	210	184	53	30	184
HSK63F-SFSB16-90 CV	16	21	90	64	53	32	62
HSK63F-SFSB16-120 CV	16	21	120	94	53	32	92
HSK63F-SFSB16-150 CV	16	21	150	124	53	32	122
HSK63F-SFSB16-180 CV	16	21	180	154	53	32	152
HSK63F-SFSB16-210 CV	16	21	210	184	53	32	182
HSK63F-SFSB16-240 CV	16	21	240	214	53	32	212
HSK63F-SFSB16-270 CV	16	21	270	244	53	32	242
HSK63F-SFSB20-90 CV	20	26	90	64	51	40	62
HSK63F-SFSB20-120 CV	20	26	120	94	53	40	92
HSK63F-SFSB20-150 CV	20	26	150	124	53	40	122
HSK63F-SFSB20-180 CV	20	26	180	154	53	40	152
HSK63F-SFSB20-210 CV	20	26	210	184	53	40	182
HSK63F-SFSB20-240 CV	20	26	240	214	53	40	212
HSK63F-SFSB20-270 CV	20	26	270	244	53	40	242

BRIGHT-TOOLS

MACHINENY

SHRINK FIT MACHINES

Shrink Fit Machine, Standard
热缩机，标准型

Size: HSM STD 2.0
Voltage: 3 x 380V 50HZ
Power: 15KW
Diameter: Φ3-Φ32
DxWxH: 690x550x820

- HSM STD 2.0 is the standard desktop shrink fit machine, which heats the shrink fit holders through the principle of electromagnetic induction to achieve carbide cutting tool loading and unloading.
  This machine is with 7"-touch-display, automatic parameter setting, and is easy to use.

- HSM STD 2.0 是标准款台式热缩机，通过电磁感应原理对热缩刀柄加热，实现硬质合金刀具的装刀和卸刀。
  设备配备 7 寸触摸屏，自动化参数设置，使用简单。

供货范围 Delivery Parts
配件明细 Spare Parts

感应装置主机设备15KW 50HZ
Shrink Fit Machine Body 15KW 50HZ

1根电源线
1 power cord

1个刀柄座
1 tool holder base

2个刀柄转换套
2 tool holder adapters

1把卡簧钳
1 bent circlip pliers

1套铣刀定位卡环
1 set of end mill clamping ring

1副防护手套
1 pair of protective gloves

1副防护镜
1 pair of protective glasses

1 份操作说明
1 operating instructions

刀柄转换套：标配是 2 个，BT/SK/CAT40 一个，HSK63A 一个，其他规格转换套另行购买 .
Tool Holder changing adapter set : Standard is for 2pcs, one is for BT/SK/CAT40, another is for HSK63A, other specification adapters sets need to be purchased separately.

Shrink Fit Machine Cooling Version
热缩机，水冷型

	Machine	Chiller
Size	HSM CLT 3.0	CW-5000
Voltage	380V 50HZ	220V 50-60HZ
Power	15KW	0.75-1KW
Diameter	Φ3-Φ32	
DxWxH	690x550x820	

- HSM CLT 3.0 is equipped with a circulating water cooler, it can cool the tool holder and the tool quickly. It has a 7"-touch-display with automatic parameter setting, which is easy to use.
- HSM CLT 3.0 配备循环式水冷机可快速实现刀柄与刀具的冷却，7 寸触摸屏自动化参数设置，使用简单。

供货范围 Delivery Parts
配件明细 Spare Parts

热缩机水冷一体机
shrink fit machine

1台工业冷水机
1 Industrial Chiller

1根电源线
1 power cord

1个刀柄座
1 tool holder base

2个刀柄转换套
2 tool holder adapters

1把卡簧钳
1 bent circlip pliers

1套铣刀定位卡环
1 set of end mill clamping ring

1副防护手套
1 pair of protective gloves

1副防护镜
1 pair of protective glasses

1 份操作说明
1 operating instructions

刀柄转换套：标配是 2 个，BT/SK/CAT40 一个，HSK63A 一个，其他规格转换套另行购买 .
Tool Holder changing adapter set : Standard is for 2pcs, one is for BT/SK/CAT40, another is for HSK63A, other specification adapters sets need to be purchased separately.

BRIGHT-TOOLS

HYDRAULIC

TOOL HOLDERS

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。

Milling
铣削

High speed cutting
高速切削

Tapping
攻丝

Reaming
铰削

Drilling
钻孔

Chamfer
倒角

HYDRAULIC TOOLING SYSTEM
HYDRAULIC 工具系统

BT Hydraulic Chuck, Standard B.06
BT 液压刀柄 , 标准型
BBT Hydraulic Chuck, Standard B.09
BBT 液压刀柄 , 标准型
SK Hydraulic Chuck, Standard B.10
SK 液压刀柄 , 标准型
CAT Hydraulic Chuck, Standard B.12
CAT 液压刀柄 , 标准型 B.12
HSK Hydraulic Chuck, Standard B.13
HSK 液压刀柄 , 标准型
BT Hydraulic Chuck, Short.....B.17
BT 液压刀柄 , 超短型
SK Hydraulic Chuck, Short.....B.17
SK 液压刀柄 , 超短型
BT Hydraulic Chuck, Power Design.....B.18
BT 液压刀柄 , 强力型
SK Hydraulic Chuck, Power Design.....B.18
SK 液压刀柄 , 强力型
HSK Hydraulic Chuck, Power Design.....B.19
HSK 液压刀柄 , 强力型
BT Hydraulic Chuck, for Mould.....B.20
BT 液压刀柄 , 模具型
SK Hydraulic Chuck, for Mould.....B.21
SK 液压刀柄 , 模具型
HSK Hydraulic Chuck, for Mould.....B.22
HSK 液压刀柄 , 模具型
BT Hydraulic Chuck, Slim.....B.23
BT 液压刀柄 , 细长型
SK Hydraulic Chuck, Slim.....B.24
SK 液压刀柄 , 细长型
CAT Hydraulic Chuck, Slim.....B.26
CAT 液压刀柄 , 细长型
HSK Hydraulic Chuck, Slim.....B.30
HSK 液压刀柄 , 细长型
Hydraulic Chuck, Slim.....B.36
直柄液压刀柄 , 细长型
SK Hydraulic Chuck, for Grind.....B.37
SK 液压刀柄 , 研磨机专用
MTB Hydraulic Chuck.....B.37
莫氏液压刀柄
Hydraulic Chuck For CNC automatic lathe.....B.38
液压刀柄 , 走心机专用
Hydraulic Collet.....B.39
液压止水筒夹
Hydraulic Collet with Coolant Channels.....B.41
液压筒夹 , 端面出水型
Hydraulic Collet Set B.43
液压筒夹套装
Hydraulic Chuck Set B.44
液压刀柄套装

HYDRO

Hydraulic Chuck, Standard
液压刀柄，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L1	L2	G
BT30-HY06-70	06	26	45	70	28	38	M5
BT30-HY08-70	08	28	45	70	28.5	38	M6
BT30-HY10-75	10	30	45	75	34	42	M8x1
BT30-HY12-85	12	32	45	85	44	47	M10x1
BT30-HY14-85	14	34	45	85	44.5	47	M10x1
BT30-HY16-90	16	38	45	90	50	50	M10x1
BT30-HY18-90	18	40	45	90	50.5	50	M10x1
BT30-HY20-90	20	42	45	90	51	52	M10x1
BT40-HY06-65	06	26	44.5	65	43	30	M5
BT40-HY08-65	08	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	06	26	44.5	90	43	38	M5
BT40-HY08-90	08	28	44.5	90	43.5	38	M6
BT40-HY10-90	10	30	44.5	90	44	42	M8x1
BT40-HY12-90	12	32	44.5	90	44	47	M10x1
BT40-HY14-90	14	34	44.5	90	44.5	47	M10x1
BT40-HY16-90	16	38	50	90	44.5	50	M12x1
BT40-HY18-90	18	40	50	90	44.5	50	M12x1
BT40-HY20-90	20	42	50	90	45	52	M12x1
BT40-HY25-100	25	57	62	100	54	58	M16x1
BT40-HY32-105	32	64	-	105	-	62	M16x1

Hydraulic Chuck, Standard
液压刀柄，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L1	L2	G
BT40-HY06-150	06	26	50	150	102	38	M5
BT40-HY08-150	08	28	50	150	102	38	M6
BT40-HY10-150	10	30	50	150	103	42	M8x1
BT40-HY12-150	12	32	50	150	103	47	M10x1
BT40-HY14-150	14	34	50	150	103.5	47	M10x1
BT40-HY16-150	16	38	50	150	104.5	50	M12x1
BT40-HY18-150	18	40	50	150	104.5	50	M12x1
BT40-HY20-150	20	42	50	150	105	52	M16x1
BT40-HY25-150	25	57	62	150	104	58	M16x1
BT40-HY32-150	32	64	-	150	-	62	M16x1
BT40-HY06-200	06	26	44.5	200	152.5	30	M5
BT40-HY08-200	08	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	52	M16x1
BT40-HY25-200	25	57	62	200	157	50	M16x1
BT40-HY32-200	32	64	-	200	-	54	M16x1
BT50-HY06-90	06	26	44.5	90	34	38	M5
BT50-HY08-90	08	28	44.5	90	34	38	M6
BT50-HY10-90	10	30	44.5	90	34	42	M8×1
BT50-HY12-90	12	32	44.5	90	34	47	M10×1
BT50-HY14-90	14	34	44.5	90	34	47	M10×1
BT50-HY16-90	16	38	50	90	34	50	M12×1
BT50-HY18-90	18	40	50	90	34	50	M12×1
BT50-HY20-90	20	42	50	90	34	52	M16×1
BT50-HY25-105	25	57	70	105	46	58	M16×1
BT50-HY32-115	32	64	70	115	57.5	62	M16×1

HYDRO

Hydraulic Chuck, Standard
液压刀柄，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L1	L2	G
BT50-HY06-120	06	26	44.5	120	34	38	M5
BT50-HY08-120	08	28	44.5	120	34	38	M6
BT50-HY10-120	10	30	44.5	120	34	42	M8×1
BT50-HY12-120	12	32	44.5	120	34	47	M10×1
BT50-HY14-120	14	34	44.5	120	34	47	M10×1
BT50-HY16-120	16	38	50	120	34	50	M12×1
BT50-HY18-120	18	40	50	120	34	50	M12×1
BT50-HY20-120	20	42	50	120	34	52	M16×1
BT50-HY06-150	06	26	44.5	150	34	38	M5
BT50-HY08-150	08	28	44.5	150	34	38	M6
BT50-HY10-150	10	30	44.5	150	34	42	M8×1
BT50-HY12-150	12	32	44.5	150	34	47	M10×1
BT50-HY14-150	14	34	44.5	150	34	47	M10×1
BT50-HY16-150	16	38	50	150	34	50	M12×1
BT50-HY18-150	18	40	50	150	34	50	M12×1
BT50-HY20-150	20	42	50	150	34	52	M16×1
BT50-HY25-150	25	57	70	150	91	58	M16×1
BT50-HY32-150	32	64	70	150	93	62	M16×1

Hydraulic Chuck, Standard
液压刀柄，标准型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	d	D	D1	L	L1	L2	G
BBT40-HY06-90	06	26	44.5	90	43	38	M5
BBT40-HY08-90	08	28	44.5	90	43.5	38	M6
BBT40-HY10-90	10	30	44.5	90	44	42	M8x1
BBT40-HY12-90	12	32	44.5	90	44	47	M10x1
BBT40-HY14-90	14	34	44.5	90	44.5	47	M10x1
BBT40-HY16-90	16	38	50	90	44.5	50	M12x1
BBT40-HY18-90	18	40	50	90	44.5	50	M12x1
BBT40-HY20-90	20	42	50	90	45	52	M12x1
BBT40-HY25-100	25	57	62	100	54	58	M16x1
BBT40-HY32-105	32	64	-	105	-	62	M16x1
BBT50-HY06-90	06	26	44.5	90	34	30	M5
BBT50-HY08-90	08	28	44.5	90	34	30	M6
BBT50-HY10-90	10	30	44.5	90	34	32	M8×1
BBT50-HY12-90	12	32	44.5	90	34	37	M10×1
BBT50-HY14-90	14	34	44.5	90	34	39	M10×1
BBT50-HY16-90	16	38	50	90	34	42	M12×1
BBT50-HY18-90	18	40	50	90	34	42	M12×1
BBT50-HY20-90	20	42	50	90	34	44	M16×1
BBT50-HY25-105	25	57	70	105	48.5	50	M16×1
BBT50-HY32-115	32	64	70	115	59.5	54	M16×1
BBT50-HY06-120	06	26	44.5	120	34	27	M5
BBT50-HY08-120	08	28	44.5	120	34	27	M6×1
BBT50-HY10-120	10	30	44.5	120	34	32	M8×1
BBT50-HY12-120	12	32	44.5	120	34	37	M10×1
BBT50-HY14-120	14	34	44.5	120	34	37	M10×1
BBT50-HY16-120	16	38	44.5	120	34	42	M12×1
BBT50-HY18-120	18	40	44.5	120	34	42	M12×1
BBT50-HY20-120	20	42	50	120	34	44	M16×1

HYDRO

Hydraulic Chuck, Standard
液压刀柄，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD/B

Size	d	D	D1	L	L1	L2	G
SK30-HY06-70	06	26	45	70	20	27	M5
SK30-HY08-70	08	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	06	26	44.5	65	42	30	M5
SK40-HY08-65	08	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	06	26	44.5	80.5	41.5	38	M5
SK40-HY08-80.5	08	28	44.5	80.5	42	38	M6
SK40-HY10-80.5	10	30	44.5	80.5	42	42	M8x1
SK40-HY12-80.5	12	32	44.5	80.5	42.5	47	M10x1
SK40-HY14-80.5	14	34	44.5	80.5	43	47	M10x1
SK40-HY16-80.5	16	38	50	80.5	43	50	M12x1
SK40-HY20-80.5	20	42	49	80.5	44	52	M12x1
SK40-HY25-80.5	25	57	68	80.5	26	58	M16x1
SK40-HY32-80.5	32	64	80	80.5	23	62	M16x1
SK40-HY06-110	06	26	44.5	110	71.5	30	M5
SK40-HY08-110	08	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	50	M12x1
SK40-HY20-110	20	42	50	110	73	52	M16x1

Hydraulic Chuck, Standard
液压刀柄，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD/B

Size	d	D	D1	L	L1	L2	G
SK50-HY06-80.5	06	26	50	80.5	39.5	38	M5
SK50-HY08-80.5	08	28	50	80.5	39.5	38	M6
SK50-HY10-80.5	10	30	50	80.5	40	42	M8x1
SK50-HY12-80.5	12	32	50	80.5	40.5	47	M10x1
SK50-HY16-80.5	16	38	49.5	80.5	40	42	M12x1
SK50-HY20-80.5	20	42	50	80.5	44	52	M16x1
SK50-HY25-80.5	25	57	70	80.5	43	50	M16x1
SK50-HY32-80.5	32	64	70	80.5	44	62	M16x1
SK50-HY06-110	06	26	49.5	110	30	27	M5
SK50-HY08-110	08	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	47	M10x1
SK50-HY16-110	16	38	49.5	110	40	42	M12x1
SK50-HY20-110	20	42	50	110	44	52	M16x1
SK50-HY25-110	25	27	70	110	70	58	M16x1
SK50-HY06-150	06	26	49.5	150	30	27	M5
SK50-HY08-150	08	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	52	M16x1

HYDRO

Hydraulic Chuck, Standard
液压刀柄，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L1	L2	G
CAT40-HY06-81	06	26	49.5	81	30	27	M5
CAT40-HY08-81	08	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	06	26	49.5	110	29.5	27	M5
CAT40-HY08-110	08	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	06	26	49.5	81	30	27	M5
CAT50-HY08-81	08	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 ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L1	L2	G
HSK32A-HY06-80	06	26	40	80	29	27	M5
HSK32A-HY08-80	08	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	06	26	34	70	36	27	M5
HSK40A-HY08-70	08	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	06	26	40	70	28	27	M5
HSK50A-HY08-70	08	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	47	M8×1
HSK50A-HY16-90	16	38	53	90	30	42	M12×1
HSK50A-HY18-90	18	40	57	90	30	50	M8×1
HSK50A-HY20-90	20	42	60	90	29	42	M16×1
HSK63A-HY06-70	06	26	50	70	23	38	M5
HSK63A-HY08-70	08	28	50	70	23.5	38	M6
HSK63A-HY10-80	10	30	50	80	34	42	M8x1
HSK63A-HY12-85	12	32	50	85	39	47	M10x1
HSK63A-HY14-85	14	34	50	85	40	47	M10×1
HSK63A-HY16-90	16	38	50	90	45.5	42	M10×1
HSK63A-HY18-90	18	40	50	90	46	50	M10×1
HSK63A-HY20-90	20	42	50	90	46	51	M10×1
HSK63A-HY25-120	25	57	62	120	58	58	M16×1
HSK63A-HY32-125	32	64	-	125	-	54	M16×1

HYDRO

Hydraulic Chuck, Standard
液压刀柄，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L1	L2	G
HSK63A-HY06-150	06	26	50	150	103	38	M5
HSK63A-HY08-150	08	28	50	150	103	38	M6
HSK63A-HY10-150	10	30	50	150	104	42	M8x1
HSK63A-HY12-150	12	32	50	150	104	47	M10x1
HSK63A-HY14-150	14	34	50	150	105	47	M10x1
HSK63A-HY16-150	16	38	50	150	105	50	M12x1
HSK63A-HY18-150	18	40	50	150	106	50	M12x1
HSK63A-HY20-150	20	42	50	150	106	52	M16x1
HSK63A-HY25-150	25	57	62	150	88	58	M16x1
HSK63A-HY32-150	32	64	70	150	88	54	M16x1
HSK63A-HY06-200	06	26	50	200	103.5	30	M5
HSK63A-HY08-200	08	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	06	26	50	80	33	38	M5
HSK80A-HY12-95	12	32	50	95	49	47	M10x1
HSK80A-HY14-100	14	34	50	100	54.5	47	M10x1
HSK80A-HY16-100	16	38	50	100	55	50	M12x1
HSK80A-HY20-105	20	42	50	105	61	52	M12x1
HSK80A-HY25-110	25	57	63	110	64.5	58	M16x1
HSK80A-HY32-100	32	64	67	100	55	62	M10x1

Hydraulic Chuck, Standard
液压刀柄，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L1	L2	G
HSK100A-HY06-75	06	26	50	75	25	38	M5
HSK100A-HY08-75	08	28	50	75	25.5	38	M6
HSK100A-HY10-90	10	30	50	90	41	42	M8x1
HSK100A-HY12-95	12	32	50	95	46	47	M10×1
HSK100A-HY14-95	14	34	50	95	47	37	M10×1
HSK100A-HY16-100	16	38	50	100	52	50	M12x1
HSK100A-HY18-100	18	40	50	100	52.5	50	M12x1
HSK100A-HY20-105	20	42	60	105	54	52	M16x1
HSK100A-HY25-110	25	57	70	110	60	58	M16x1
HSK100A-HY32-110	32	64	70	110	61.5	62	M16x1
HSK100A-HY06-150	06	26	50	150	100	30	M5
HSK100A-HY08-150	08	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	52	M16x1
HSK100A-HY25-150	25	57	70	150	100	50	M16x1
HSK100A-HY32-150	32	64	70	150	102	54	M16x1
HSK100A-HY06-200	06	26	50	200	103.5	30	M5
HSK100A-HY08-200	08	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	52	M16x1
HSK100A-HY25-200	25	57	62	200	152	50	M16x1
HSK100A-HY32-200	32	64	70	200	152	54	M16x1
HSK125A-HY20-115	20	65	-	115	66	41	M16×1
HSK125A-HY32-125	32	80	-	125	76	51	M16×1

Hydraulic Chuck, Standard
液压刀柄，标准型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	D	D1	L	L1	L2	G
HSK40E-HY06-70	06	26	34	70	36	27	M5
HSK40E-HY08-70	08	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	06	26	40	70	28	27	M5
HSK50E-HY08-70	08	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	06	26	50	70	23	38	M5
HSK63F-HY08-70	08	28	50	70	23.5	38	M6
HSK63F-HY10-80	10	30	50	80	34	42	M8×1
HSK63F-HY12-85	12	32	50	85	39	47	M6
HSK63F-HY14-85	14	34	50	85	40	37	M10×1
HSK63F-HY16-90	16	38	50	90	45	50	M12×1
HSK63F-HY18-90	18	40	50	90	47	42	M12×1
HSK63F-HY20-90	20	42	50	90	46	51	M12×1
HSK63F-HY25-120	25	57	63	120	59	48	M16×1
HSK63F-HY32-125	32	64	75	125	63	55	M16×1

Hydraulic Chuck, Short
液压刀柄，超短型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d1	D1	L	L1	L2	G
BT40-HY20-32.5	20	34	32.5	5.5	42	-
BT50-HY20-40	20	39	40	2	52	M16x1

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 Chuck, Power Design
液压刀柄，强力型

A ↗	RPM	
≤0.003	G2.5/25000	AD

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 ↗	RPM	
≤0.003	G2.5/25000	AD

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 ↗	RPM	
≤0.003	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

HYDRO

Hydraulic Chuck, for Mould
液压刀柄，模具型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	d1	D1	D2	L	L1	L2	G
BT40-HYM06-120	06	20	44.5	120	70	27	M5
BT40-HYM06-150	06	20	44.5	150	100	27	M5
BT40-HYM08-120	08	22	44.5	120	70	27	M6
BT40-HYM08-150	08	22	44.5	150	100	27	M6
BT40-HYM10-120	10	24	44.5	120	70	32	M8×1
BT40-HYM10-150	10	24	44.5	150	100	32	M8×1
BT40-HYM12-120	12	25	44.5	120	70	37	M10×1
BT40-HYM12-150	12	25	44.5	150	100	37	M10×1
BT40-HYM16-120	16	32	44.5	120	70	42	M12×1
BT40-HYM16-150	16	32	44.5	150	100	42	M12×1
BT40-HYM20-120	20	34	43.8	120	93	42	M16×1
BT40-HYM20-150	20	34	46.9	150	123	42	M16×1
BT50-HYM06-150	06	20	50	150	90	27	M5
BT50-HYM08-150	08	22	50	150	90	27	M6
BT50-HYM10-150	10	24	50	150	90	32	M8×1
BT50-HYM12-150	12	25	50	150	90	37	M10×1
BT50-HYM16-150	16	32	50	150	90	42	M12×1
BT50-HYM20-150	20	34	50	150	90	42	M16×1

Hydraulic Chuck, for Mould
液压刀柄，模具型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	d1	D1	D2	L	L1	L2	G
SK40-HYM06-120	06	20	49.5	120	70	27	M5
SK40-HYM06-150	06	20	49.5	150	100	27	M5
SK40-HYM08-120	08	22	49.5	120	70	27	M6
SK40-HYM08-150	08	22	49.5	150	100	27	M6
SK40-HYM10-120	10	24	44.5	120	70	32	M8×1
SK40-HYM10-150	10	24	44.5	150	100	32	M8×1
SK40-HYM12-120	12	25	44.5	120	70	37	M10×1
SK40-HYM12-150	12	25	44.5	150	100	37	M10×1
SK40-HYM16-120	16	32	49.5	120	70	42	M12×1
SK40-HYM16-150	16	32	49.5	150	100	42	M12×1
SK40-HYM20-120	20	34	49.5	120	70	42	M16×1
SK40-HYM20-150	20	34	49.5	150	100	42	M16×1
SK50-HYM06-150	06	20	44.5	150	100	27	M5
SK50-HYM08-150	08	22	44.5	150	100	27	M6
SK50-HYM10-150	10	24	44.5	150	100	32	M8×1
SK50-HYM12-150	12	25	44.5	150	100	37	M10×1
SK50-HYM16-150	16	32	44.5	150	100	42	M12×1
SK50-HYM20-150	20	34	44.5	150	100	42	M16×1

HYDRO

Hydraulic Chuck, for Mould
液压刀柄，模具型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	d1	D1	D2	L	L1	L2	G
HSK63A-HYM06-145	06	20	50	145	90	27	M5
HSK63A-HYM08-145	08	22	50	145	90	27	M6
HSK63A-HYM10-145	10	24	50	145	90	32	M8×1
HSK63A-HYM12-145	12	25	50	145	90	37	M10×1
HSK63A-HYM16-145	16	32	50	145	90	42	M12×1
HSK63A-HYM20-145	20	34	50	145	90	42	M16×1
HSK100A-HYM06-150	06	20	50	150	90	27	M5
HSK100A-HYM08-150	08	22	50	150	90	27	M6
HSK100A-HYM10-150	10	24	50	150	90	32	M8×1
HSK100A-HYM12-150	12	25	50	150	90	37	M10×1
HSK100A-HYM16-150	16	32	50	150	90	42	M12×1
HSK100A-HYM20-150	20	34	50	150	90	42	M16×1

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	d	L	L1	D1	D2	D3	ℓ	ℓ1
BT30-HYS03-70	03	70	28	11	14.0	46	93	16
BT30-HYS03-85	03	85	37	11	14.9	46	108	16
BT30-HYS03-130	03	130	84	11	19.9	46	153	16
BT30-HYS04-70	04	70	28	11	14.0	46	93	19
BT30-HYS04-85	04	85	37	11	14.9	46	108	19
BT30-HYS04-130	04	130	84	11	19.9	46	153	19
BT30-HYS06-90	06	90	38	13	17.0	46	58	27
BT30-HYS06-135	06	135	84	13	21.9	46	92	27
BT30-HYS06-150	06	150	99	13	23.4	46	107	27
BT30-HYS06-165	06	165	114	13	25.0	46	122	27
BT30-HYS06-180	06	180	130	13	26.7	46	137	27
BT30-HYS08-90	08	90	38	15	19.0	46	58	27
BT30-HYS08-135	08	135	84	15	23.9	46	92	27
BT30-HYS08-150	08	150	99	15	25.4	46	107	27
BT30-HYS08-165	08	165	114	15	27.0	46	122	27
BT30-HYS08-180	08	180	130	15	28.7	46	137	27
BT30-HYS10-105	10	105	53	17	22.6	46	73	33
BT30-HYS10-135	10	135	84	17	25.9	46	92	33
BT30-HYS10-150	10	150	99	17	27.4	46	107	33
BT30-HYS10-165	10	165	114	17	29.0	46	122	33
BT30-HYS10-180	10	180	130	17	30.7	46	137	33
BT30-HYS12-105	12	105	53	19	24.6	46	73	36
BT30-HYS12-135	12	135	84	19	27.9	46	92	36
BT30-HYS12-150	12	150	99	19	29.4	46	107	36
BT30-HYS12-165	12	165	114	19	31.0	46	122	36
BT30-HYS12-180	12	180	130	19	32.7	46	137	36

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	d	L	L1	D1	D2	D3	ℓ	ℓ1
BT40-HYS03-75	03	75	28	11	14.0	46	110	16
BT40-HYS03-90	03	90	37	11	14.9	46	125	16
BT40-HYS03-135	03	135	84	11	19.9	46	170	16
BT40-HYS04-75	04	75	28	11	14.0	46	110	19
BT40-HYS04-90	04	90	37	11	14.9	46	125	19
BT40-HYS04-135	04	135	84	11	19.9	46	170	19
BT40-HYS06-90	06	90	38	13	17.0	46	53	27
BT40-HYS06-135	06	135	84	13	21.9	46	92	27
BT40-HYS06-150	06	150	99	13	23.4	46	107	27
BT40-HYS06-165	06	165	114	13	25.0	46	122	27
BT40-HYS06-180	06	180	130	13	26.7	46	137	27
BT40-HYS08-90	08	90	38	15	19.0	46	53	27
BT40-HYS08-135	08	135	84	15	23.9	46	92	27
BT40-HYS08-150	08	150	99	15	25.4	46	107	27
BT40-HYS08-165	08	165	114	15	27.0	46	122	27
BT40-HYS08-180	08	180	130	15	28.7	46	137	27
BT40-HYS10-105	10	105	53	17	22.6	46	68	33
BT40-HYS10-135	10	135	84	17	25.9	46	92	33
BT40-HYS10-150	10	150	99	17	27.4	46	107	33
BT40-HYS10-165	10	165	114	17	29.0	46	122	33
BT40-HYS10-180	10	180	130	17	30.7	46	137	33
BT40-HYS12-135	12	135	84	19	27.9	46	92	36
BT40-HYS12-150	12	150	99	19	29.4	46	107	36
BT40-HYS12-165	12	165	114	19	31.0	46	122	36
BT40-HYS12-180	12	180	130	19	32.7	46	137	36
BT40-HYS16-135	16	135	84	23	31.9	52.5	91	40
BT40-HYS16-165	16	165	114	23	35.0	52.5	120	40
BT40-HYS16-180	16	180	129	23	36.6	52.5	135	40
BT40-HYS20-135	20	135	84	28	36.9	60	91	40
BT40-HYS20-165	20	165	114	28	40	60	120	40
BT40-HYS20-180	20	180	129	28	41.6	60	135	40
BT40-HYS25-135	25	135	84	37	45.9	60	91	50
BT40-HYS25-165	25	165	114	37	49.0	60	120	50
BT40-HYS25-180	25	180	129	37	50.6	60	135	50

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	d	L	L1	D1	D2	D3	ℓ	ℓ1
BT50-HYS06-105	06	105	38	13	17.0	46	53	27
BT50-HYS06-150	06	150	84	13	21.9	46	92	27
BT50-HYS06-165	06	165	99	13	23.4	46	107	27
BT50-HYS06-180	06	180	114	13	25.0	46	122	27
BT50-HYS06-195	06	195	130	13	26.7	46	137	27
BT50-HYS08-105	08	105	38	15	19.0	46	53	27
BT50-HYS08-150	08	150	84	15	23.9	46	92	27
BT50-HYS08-165	08	165	99	15	25.4	46	107	27
BT50-HYS08-180	08	180	114	15	27.0	46	122	27
BT50-HYS08-195	08	195	130	15	28.7	46	137	27
BT50-HYS10-150	10	150	84	17	25.9	46	92	33
BT50-HYS10-165	10	165	99	17	27.4	46	107	33
BT50-HYS10-180	10	180	114	17	29.0	46	122	33
BT50-HYS10-195	10	195	130	17	30.7	46	137	33
BT50-HYS12-150	12	150	84	19	27.9	46	92	36
BT50-HYS12-165	12	165	99	19	29.4	46	107	36
BT50-HYS12-180	12	180	114	19	31.0	46	122	36
BT50-HYS12-195	12	195	130	19	32.7	46	137	36
BT50-HYS16-150	16	150	84	23	31.9	52.5	91	40
BT50-HYS16-180	16	180	114	23	35.0	52.5	120	40
BT50-HYS16-195	16	195	129	23	36.6	52.5	135	40
BT50-HYS20-150	20	150	84	28	36.9	60	91	40
BT50-HYS20-180	20	180	114	28	40.0	60	120	40
BT50-HYS20-195	20	195	129	28	41.6	60	135	40
BT50-HYS25-150	25	150	84	37	45.9	60	91	50
BT50-HYS25-180	25	180	114	37	49.0	60	120	50
BT50-HYS25-195	25	195	129	37	50.6	60	135	50

HYDRO

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	d	D1	D2	D3	L	L1	L0	ℓ1	ℓ
SK40-HYS03-75	03	11	13.0	46	75	19	-	18	110
SK40-HYS03-90	03	11	14.2	46	90	30	-	18	125
SK40-HYS03-135	03	11	18.5	46	135	71	-	18	170
SK40-HYS04-75	04	11	13.0	46	75	19	-	24	110
SK40-HYS04-90	04	11	14.2	46	90	30	-	24	125
SK40-HYS04-135	04	11	18.5	46	135	71	-	24	170
SK40-HYS06-90	06	13	15.8	46	90	26	-	29	125
SK40-HYS06-135	06	13	20.5	46	135	71	-	29	170
SK40-HYS06-150	06	13	22.2	46	150	87	-	29	185
SK40-HYS06-165	06	13	23.7	46	165	102	-	29	200
SK40-HYS06-180	06	13	25.4	46	180	118	-	29	215
SK40-HYS08-90	08	15	17.9	46	90	27	-	29	125
SK40-HYS08-135	08	15	22.6	46	135	72	-	29	170
SK40-HYS08-150	08	15	24.2	46	150	87	-	29	185
SK40-HYS08-165	08	15	25.8	46	165	103	-	29	200
SK40-HYS08-180	08	15	27.4	46	180	118	-	29	215
SK40-HYS10-90	10	17	20.4	46	90	32	-	40	125
SK40-HYS10-135	10	17	24.6	46	135	72	-	40	170
SK40-HYS10-150	10	17	26.3	46	150	87	-	40	185
SK40-HYS10-165	10	17	27.8	46	165	103	-	40	200
SK40-HYS10-180	10	17	29.5	46	180	119	-	40	215
SK40-HYS12-90	12	19	22.5	46	90	33	-	40	125
SK40-HYS12-135	12	19	26.7	46	135	73	-	40	170
SK40-HYS12-150	12	19	28.3	46	150	88	-	40	185
SK40-HYS12-165	12	19	30.0	46	165	104	-	40	200
SK40-HYS12-180	12	19	31.5	46	180	119	-	40	215
SK40-HYS16-135	16	23	30.6	525	135	72	35	40	90
SK40-HYS16-165	16	23	33.8	525	165	103	35	40	120
SK40-HYS16-180	16	23	35.5	525	180	119	35	40	135
SK40-HYS20-150	20	28	34.7	62	150	63	35	40	85
SK40-HYS20-180	20	28	37.8	62	180	93	35	40	115
SK40-HYS20-195	20	28	39.5	62	195	109	35	40	130
SK40-HYS25-150	25	37	43.9	62	150	65	35	50	85
SK40-HYS25-180	25	37	47.1	62	180	96	35	50	115
SK40-HYS25-195	25	37	48.8	62	195	112	35	50	130

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	d	D1	D2	D3	L	L1	ℓ1	ℓ
SK50-HYS06-105	06	13	15.8	46	105	26	29	161
SK50-HYS06-150	06	13	20.5	46	150	71	29	206
SK50-HYS06-165	06	13	22.2	46	165	87	29	221
SK50-HYS06-180	06	13	23.7	46	180	102	29	236
SK50-HYS06-195	06	13	25.4	46	195	118	29	251
SK50-HYS08-105	08	15	17.8	46	105	27	29	160
SK50-HYS08-150	08	15	22.5	46	150	72	29	205
SK50-HYS08-165	08	15	24.1	46	165	87	29	220
SK50-HYS08-180	08	15	25.8	46	180	103	29	235
SK50-HYS08-195	08	15	27.4	46	195	118	29	250
SK50-HYS10-150	10	17	24.6	46	150	72	40	205
SK50-HYS10-165	10	17	26.1	46	165	87	40	220
SK50-HYS10-180	10	17	27.8	46	180	103	40	235
SK50-HYS10-195	10	17	29.5	46	195	119	40	250
SK50-HYS12-150	12	19	26.7	46	150	73	40	205
SK50-HYS12-165	12	19	28.2	46	165	88	40	220
SK50-HYS12-180	12	19	29.9	46	180	104	40	235
SK50-HYS12-195	12	19	31.5	46	195	119	40	250
SK50-HYS16-150	16	23	30.5	52.5	150	72	40	90
SK50-HYS16-180	16	23	33.8	52.5	180	103	40	120
SK50-HYS16-195	16	23	34.6	52.5	195	119	40	135
SK50-HYS20-150	20	28	34.6	62	150	63	40	85
SK50-HYS20-180	20	28	37.7	62	180	93	40	115
SK50-HYS20-195	20	28	39.4	62	195	109	40	130
SK50-HYS25-150	25	37	43.6	62	150	65	50	85
SK50-HYS25-180	25	37	47.1	62	180	96	50	115
SK50-HYS25-195	25	37	48.7	62	195	112	50	130

HYDRO

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	d	L	L1	D1	D2	D3	ℓ	ℓ1
CAT40-HYS03-75	03	75	28	11	14	46	110	16
CAT40-HYS03-90	03	90	37	11	14.9	46	125	16
CAT40-HYS03-135	03	135	84	11	19.9	46	170	16
CAT40-HYS04-75	04	75	28	11	14	46	110	19
CAT40-HYS04-90	04	90	37	11	14.9	46	125	19
CAT40-HYS04-135	04	135	84	11	19.9	46	170	19
CAT40-HYS06-90	06	90	38	13	17	46	53	27
CAT40-HYS06-150	06	150	84	13	21.9	46	92	27
CAT40-HYS06-165	06	165	99	13	23.4	46	107	27
CAT40-HYS06-180	06	180	114	13	25	46	122	27
CAT40-HYS06-195	06	195	130	13	26.7	46	137	27
CAT40-HYS08-90	08	90	38	15	19	46	53	27
CAT40-HYS08-150	08	150	84	15	23.9	46	92	27
CAT40-HYS08-165	08	165	99	15	25.4	46	107	27
CAT40-HYS08-180	08	180	114	15	27	46	122	27
CAT40-HYS08-195	08	195	130	15	28.7	46	137	27
CAT40-HYS10-105	10	105	53	17	22.6	46	68	33
CAT40-HYS10-150	10	150	84	17	25.9	46	92	33
CAT40-HYS10-165	10	165	99	17	27.4	46	107	33
CAT40-HYS10-180	10	180	114	17	29	46	122	33
CAT40-HYS10-195	10	195	130	17	30.7	46	137	33
CAT40-HYS12-105	12	105	53	19	24.6	46	68	36
CAT40-HYS12-150	12	150	84	19	27.9	46	92	36
CAT40-HYS12-165	12	165	99	19	29.4	46	107	36
CAT40-HYS12-180	12	180	114	19	31	46	122	36
CAT40-HYS12-195	12	195	130	19	32.7	46	137	36
CAT40-HYS16-150	16	150	84	23	31.9	52.5	91	40
CAT40-HYS16-180	16	180	114	23	35	52.5	120	40
CAT40-HYS16-195	16	195	129	23	38.6	52.5	135	40
CAT40-HYS20-150	20	150	84	28	36.9	60	91	40
CAT40-HYS20-180	20	180	114	28	40	60	120	40
CAT40-HYS20-195	20	195	129	28	41	60	135	40
CAT40-HYS25-150	25	150	84	37	45.9	60	91	50
CAT40-HYS25-180	25	180	114	37	49	60	120	50
CAT40-HYS25-195	25	195	129	37	50.6	60	135	50

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	L	L1	L2	D1	D2	D3	ℓ	ℓ1
CAT50-HYS06-150	06	150	84	115	13	21.9	46	92	27
CAT50-HYS06-195	06	195	130	160	13	26.7	46	137	27
CAT50-HYS08-150	08	150	84	115	15	23.9	46	92	27
CAT50-HYS08-195	08	195	130	160	15	28.7	46	137	27
CAT50-HYS10-150	10	150	84	115	17	25.9	46	92	33
CAT50-HYS10-195	10	195	130	160	17	30.7	46	137	33
CAT50-HYS12-150	12	150	84	115	19	27.9	46	92	36
CAT50-HYS12-195	12	195	130	160	19	32.7	46	137	36
CAT50-HYS16-150	16	150	84	115	23	31.9	52.5	91	40
CAT50-HYS16-195	16	195	129	160	23	36.6	52.5	135	40
CAT50-HYS20-150	20	150	84	115	28	36.9	60	91	40
CAT50-HYS20-195	20	195	129	160	28	41.6	60	135	40
CAT50-HYS25-150	25	150	84	115	37	45.9	60	91	50
CAT50-HYS25-195	25	195	129	160	37	50.6	60	135	50

HYDRO

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	L	L1	D1	D2	D3	L	ℓ1
CAT40-HYS1/8"-90	1/8"	3.543″	1.457″	0.433″	0.5″	1.811″	4.921″	0.63″
CAT40-HYS1/8"-135	1/8"	5.315″	3.307″	0.433″	0.783″	1.811″	6.692″	0.63″
CAT40-HYS1/4"-150	1/4"	5.906″	3.307″	0.512″	0.862″	1.811″	3.622″	1.063″
CAT40-HYS1/4"-165	1/4"	6.496″	3.898″	0.512″	0.921″	1.811″	4.213″	1.063″
CAT40-HYS1/4"-195	1/4"	7.677″	5.118″	0.512″	1.051″	1.811″	5.394″	1.063″
CAT40-HYS5/16″-150	5/16″	5.906″	3.307″	0.591″	0.941″	1.811″	3.622″	1.063″
CAT40-HYS5/16″-165	5/16″	6.496″	3.898″	0.591″	1″	1.811″	4.213″	1.063″
CAT40-HYS5/16″-195	5/16″	7.677″	5.118″	0.591″	1.13″	1.811″	5.394″	1.063″
CAT40-HYS3/8″-150	3/8″	5.906″	3.307″	0.669″	1.02″	1.811″	3.622″	1.299″
CAT40-HYS3/8″-165	3/8″	6.496″	3.898″	0.669″	1.079″	1.811″	4.213″	1.299″
CAT40-HYS3/8″-195	3/8″	7.677″	5.118″	0.669″	1.209″	1.811″	5.394″	1.299″
CAT40-HYS1/2″-150	1/2″	5.906″	3.307″	0.787″	1.138″	1.811″	3.622″	1.417″
CAT40-HYS1/2″-165	1/2″	6.496″	3.898″	0.787″	1.197″	1.811″	4.213″	1.417″
CAT40-HYS1/2"-195	1/2″	7.677″	5.118″	0.787″	1.327″	1.811″	5.394″	1.417″
CAT40-HYS5/8"-150	5/8"	5.906″	3.307″	0.906″	1.256″	2.067″	3.583″	1.575″
CAT40-HYS5/8"-180	5/8"	7.087″	4.488″	0.906″	1.378″	2.067″	4.724″	1.575″
CAT40-HYS5/8"-195	5/8"	7.677″	5.079″	0.906″	1.441″	2.067″	5.315″	1.575″
CAT40-HYS3/4"-150	3/4"	5.906″	3.307″	1.102″	1.453″	2.362″	3.583″	1.575″
CAT40-HYS3/4"-180	3/4"	7.087″	4.488″	1.102″	1.575″	2.362″	4.724″	1.575″
CAT40-HYS3/4"-195	3/4"	7.677″	5.079″	1.102″	1.638″	2.362″	5.315″	1.575″
CAT40-HYS1″-150	1″	5.906″	3.307″	1.496″	1.846″	2.362″	3.583″	1.969″
CAT40-HYS1″-180	1″	7.087″	4.488″	1.496″	1.969″	2.362″	4.724″	1.969″
CAT40-HYS1″-195	1″	7.677″	5.079″	1.496″	2.031″	2.362″	5.315″	1.969″

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	d	L	L1	L2	D1	D2	D3	ℓ	ℓ1
CAT50-HYS1/4″-150	1/4″	5.906″	3.307″	4.528″	0.512″	0.862″	1.811″	3.622″	1.063″
CAT50-HYS1/4″-180	1/4″	7.087″	4.488″	5.709″	0.512″	1.051″	1.811″	4.803″	1.063″
CAT50-HYS1/4″-195	1/4″	7.677″	5.118″	6.299″	0.512″	1.051″	1.811″	5.394″	1.063″
CAT50-HYS5/16″-150	5/16″	5.906″	3.307″	4.528″	0.591″	0.941″	1.811″	3.622″	1.063″
CAT50-HYS5/16″-180	5/16″	7.087″	4.488″	5.709″	0.591″	1.13″	1.811″	4.803″	1.063″
CAT50-HYS5/16″-195	5/16″	7.677″	5.118″	6.299″	0.591″	1.13″	1.811″	5.394″	1.063″
CAT50-HYS3/8″-150	3/8″	5.906″	3.307″	4.528″	0.669″	1.02″	1.811″	4.803″	1.299″
CAT50-HYS3/8″-180	3/8″	7.087″	4.488″	5.709″	0.669″	1.209″	1.811″	5.394″	1.299″
CAT50-HYS3/8″-195	3/8″	7.677″	5.118″	6.299″	0.669″	1.209″	1.811″	5.394″	1.299″
CAT50-HYS1/2"-150	1/2"	5.906″	3.307″	4.528″	0.787″	1.138″	1.811″	3.622″	1.417″
CAT50-HYS1/2"-180	1/2"	7.087″	4.488″	5.709″	0.787″	1.26″	1.811″	4.803″	1.417″
CAT50-HYS1/2"-195	1/2"	7.677″	5.118″	6.299″	0.787″	1.327″	1.811″	5.394″	1.417″
CAT50-HYS5/8"-150	5/8"	5.906″	3.307″	4.528″	0.906″	1.256″	2.067″	3.583″	1.575″
CAT50-HYS5/8"-180	5/8"	7.087″	4.488″	5.709″	0.906″	1.441″	2.067″	4.724″	1.575″
CAT50-HYS5/8"-195	5/8"	7.677″	5.079″	6.299″	0.906″	1.441″	2.067″	5.315″	1.575″
CAT50-HYS3/4"-150	3/4"	5.906″	3.307″	4.528″	1.102″	1.453″	2.362″	3.583″	1.575″
CAT50-HYS3/4"-180	3/4"	7.087″	4.488″	5.709″	1.102″	1.638″	2.362″	4.724″	1.575″
CAT50-HYS3/4"-195	3/4"	7.677″	5.079″	6.299″	1.102″	1.638″	2.362″	5.315″	1.575″
CAT50-HYS1″-150	1″	5.906″	3.307″	4.528″	1.496″	1.846″	2.362″	3.583″	1.969″
CAT50-HYS1″-180	1″	7.087″	4.488″	5.709″	1.496″	1.969″	2.362″	4.724″	1.969″
CAT50-HYS1″-195	1″	7.677″	5.079″	6.299″	1.496″	2.031″	2.362″	5.315″	1.969″

HYDRO

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	d	L	L1	D1	D2	D3	L0	ℓ1	ℓ2
HSK40A-HYS03-90	03	90	28	11	14.0	46	35	74	16
HSK40A-HYS03-100	03	100	37	11	14.9	46	35	84	16
HSK40A-HYS03-145	03	145	84	11	19.9	46	35	129	16
HSK40A-HYS04-90	04	90	28	11	14.0	46	35	74	19
HSK40A-HYS04-100	04	100	37	11	14.9	46	35	84	19
HSK40A-HYS04-145	04	145	84	11	19.9	46	35	129	19
HSK40A-HYS06-105	06	105	38	13	17.0	46	35	55	27
HSK40A-HYS06-150	06	150	84	13	21.9	46	35	97	27
HSK40A-HYS06-165	06	165	99	13	23.4	46	35	112	27
HSK40A-HYS06-180	06	180	114	13	25.0	46	35	127	27
HSK40A-HYS08-105	08	105	38	15	19.0	46	35	55	27
HSK40A-HYS08-150	08	150	84	15	23.9	46	35	97	27
HSK40A-HYS08-165	08	165	99	15	25.4	46	35	112	27
HSK40A-HYS08-180	08	180	114	15	27.0	46	35	127	27
HSK40A-HYS10-120	10	120	53	17	22.6	46	35	69	33
HSK40A-HYS10-150	10	150	84	17	25.9	46	35	97	33
HSK40A-HYS10-165	10	165	99	17	27.4	46	35	112	33
HSK40A-HYS10-180	10	180	114	17	29.0	46	35	127	33
HSK40A-HYS12-120	12	120	53	19	24.6	46	35	69	36
HSK40A-HYS12-150	12	150	84	19	27.9	46	35	97	36
HSK40A-HYS12-165	12	165	99	19	29.4	46	35	112	36
HSK40A-HYS12-180	12	180	114	19	31.0	46	35	127	36

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	d	L	L1	D1	D2	D3	L0	ℓ1	ℓ2
HSK50A-HYS03-95	03	95	28	11	14.0	46	42	75	16
HSK50A-HYS03-105	03	105	37	11	14.9	46	42	85	16
HSK50A-HYS03-150	03	150	84	11	19.9	46	42	130	16
HSK50A-HYS04-95	04	95	28	11	14.0	46	42	75	19
HSK50A-HYS04-105	04	105	37	11	14.9	46	42	85	19
HSK50A-HYS04-150	04	150	84	11	19.9	46	42	130	19
HSK50A-HYS06-105	06	105	38	13	17.0	46	42	53	27
HSK50A-HYS06-150	06	150	84	13	21.9	46	42	95	27
HSK50A-HYS06-165	06	165	99	13	23.4	46	42	110	27
HSK50A-HYS06-180	06	180	114	13	25.0	46	42	125	27
HSK50A-HYS08-105	08	105	38	15	19.0	46	42	53	27
HSK50A-HYS08-150	08	150	84	15	23.9	46	42	95	27
HSK50A-HYS08-165	08	165	99	15	25.4	46	42	110	27
HSK50A-HYS08-180	08	180	114	15	27.0	46	42	125	27
HSK50A-HYS10-120	10	120	53	17	22.6	46	42	67	33
HSK50A-HYS10-150	10	150	84	17	25.9	46	42	95	33
HSK50A-HYS10-165	10	165	99	17	27.4	46	42	110	33
HSK50A-HYS10-180	10	180	114	17	29.0	46	42	125	33
HSK50A-HYS12-120	12	120	53	19	24.6	46	42	67	36
HSK50A-HYS12-150	12	150	84	19	27.9	46	42	95	36
HSK50A-HYS12-165	12	165	99	19	29.4	46	42	110	36
HSK50A-HYS12-180	12	180	114	19	31.0	46	42	125	36

HYDRO

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	AD
≤0.003	G2.5/25000	

Type 1

Type 2

Size	Type	d	L	L1	D1	D2	D3	L0	ℓ	ℓ1
HSK63A-HYS03-80	2	03	80	28	11	14.0	46	-	58	16
HSK63A-HYS03-90	2	03	90	37	11	14.9	46	-	68	16
HSK63A-HYS03-135	2	03	135	84	11	19.9	46	-	113	16
HSK63A-HYS04-80	2	04	80	28	11	14.0	46	-	58	19
HSK63A-HYS04-90	2	04	90	37	11	14.9	46	-	68	19
HSK63A-HYS04-135	2	04	135	84	11	19.9	46	-	113	19
HSK63A-HYS06-90	2	06	90	38	13	17.0	46	-	53	27
HSK63A-HYS06-135	2	06	135	84	13	21.9	46	-	92	27
HSK63A-HYS06-150	2	06	150	99	13	23.4	46	-	107	27
HSK63A-HYS06-165	2	06	165	114	13	25.0	46	-	122	27
HSK63A-HYS06-180	2	06	180	130	13	26.7	46	-	137	27
HSK63A-HYS08-90	2	08	90	38	15	19.0	46	-	53	27
HSK63A-HYS08-135	2	08	135	84	15	23.9	46	-	92	27
HSK63A-HYS08-150	2	08	150	99	15	25.4	46	-	107	27
HSK63A-HYS08-165	2	08	165	114	15	27.0	46	-	122	27
HSK63A-HYS08-180	2	08	180	130	15	28.7	46	-	137	27
HSK63A-HYS10-105	2	10	105	53	17	22.6	46	-	67	33
HSK63A-HYS10-135	2	10	135	84	17	25.9	46	-	92	33
HSK63A-HYS10-150	2	10	150	99	17	27.4	46	-	107	33
HSK63A-HYS10-165	2	10	165	114	17	29.0	46	-	122	33
HSK63A-HYS10-180	2	10	180	130	17	30.7	46	-	137	33
HSK63A-HYS12-105	2	12	105	53	19	24.6	46	-	67	36
HSK63A-HYS12-135	2	12	135	84	19	27.9	46	-	92	36
HSK63A-HYS12-150	2	12	150	99	19	29.4	46	-	107	36
HSK63A-HYS12-165	2	12	165	114	19	31.0	46	-	122	36
HSK63A-HYS12-180	2	12	180	130	19	32.7	46	-	137	36
HSK63A-HYS16-135	2	16	135	84	23	31.9	52.5	-	91	40
HSK63A-HYS16-165	2	16	165	114	23	35.0	52.5	-	120	40
HSK63A-HYS16-180	2	16	180	129	23	36.6	52.5	-	135	40
HSK63A-HYS20-150	1	20	150	84	28	36.9	60	42	91	40
HSK63A-HYS20-180	1	20	180	114	28	40.0	60	42	120	40
HSK63A-HYS20-195	1	20	195	129	28	41.6	60	42	135	40
HSK63A-HYS25-150	1	25	150	84	37	45.9	60	42	91	50
HSK63A-HYS25-180	1	25	180	114	37	49.0	60	42	120	50
HSK63A-HYS25-195	1	25	195	129	37	50.6	60	42	135	50

Hydraulic Chuck, Slim
液压刀柄，细长型

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

Size	Type	d	L	L1	D1	D2	D3	L0	ℓ	ℓ1
HSK100A-HYS06-105	2	06	105	38	13	17.0	46	-	53	27
HSK100A-HYS06-150	2	06	150	84	13	21.9	46	-	92	27
HSK100A-HYS06-165	2	06	165	99	13	23.4	46	-	107	27
HSK100A-HYS06-180	2	06	180	114	13	25.0	46	-	122	27
HSK100A-HYS06-195	2	06	195	130	13	26.7	46	-	137	27
HSK100A-HYS08-105	2	08	105	38	15	19.0	46	-	53	27
HSK100A-HYS08-150	2	08	150	84	15	23.9	46	-	92	27
HSK100A-HYS08-165	2	08	165	99	15	25.4	46	-	107	27
HSK100A-HYS08-180	2	08	180	114	15	27.0	46	-	122	27
HSK100A-HYS08-195	2	08	195	130	15	28.7	46	-	137	27
HSK100A-HYS10-150	2	10	150	84	17	25.9	46	-	92	33
HSK100A-HYS10-165	2	10	165	99	17	27.4	46	-	107	33
HSK100A-HYS10-180	2	10	180	114	17	29.0	46	-	122	33
HSK100A-HYS10-195	2	10	195	130	17	30.7	46	-	137	33
HSK100A-HYS12-150	2	12	150	84	19	27.9	46	-	92	36
HSK100A-HYS12-165	2	12	165	99	19	29.4	46	-	107	36
HSK100A-HYS12-180	2	12	180	114	19	31.0	46	-	122	36
HSK100A-HYS12-195	2	12	195	130	19	32.7	46	-	137	36
HSK100A-HYS16-150	2	16	150	84	23	31.9	52.5	-	91	40
HSK100A-HYS16-180	2	16	180	114	23	35.0	52.5	-	120	40
HSK100A-HYS16-195	2	16	195	129	23	36.6	52.5	-	135	40
HSK100A-HYS20-150	2	20	150	84	28	36.9	60	-	91	40
HSK100A-HYS20-180	2	20	180	114	28	40.0	60	-	120	40
HSK100A-HYS20-195	2	20	195	129	28	41.6	60	-	135	40
HSK100A-HYS25-150	2	25	150	84	37	45.9	60	-	91	50
HSK100A-HYS25-180	2	25	180	114	37	49.0	60	-	120	50
HSK100A-HYS25-195	2	25	195	129	37	50.6	60	-	135	50

Hydraulic Chuck, Slim
直柄液压刀柄，细长型

A ↗
≤0.003

Type 1

Type 2

Size	Type	d	L	L1	L2	D1	D2	D3	D4	ℓ	ℓ1
C20-HYS03-180	1	03	180	98	65	11	18	32	20	103	16
C20-HYS04-180	1	04	180	98	65	11	18	32	20	103	19
C20-HYS06-180	1	06	180	99	65	13	20	32	20	103	27
C20-HYS08-180	1	08	180	99	65	15	22	32	20	101	27
C20-HYS10-180	1	10	180	100	65	17	24	32	20	101	33
C20-HYS12-180	1	12	180	100	65	19	26	32	20	101	36
C32-HYS06-210	2	06	210	109	84	13	20	32	32	113	27
C32-HYS08-210	2	08	210	109	84	15	22	32	32	111	27
C32-HYS10-210	2	10	210	110	84	17	24	32	32	111	33
C32-HYS12-210	2	12	210	110	84	19	26	32	32	111	36

Hydraulic Chuck, for Grind
液压刀柄，研磨机专用

Size	d1	D1	D2	D3	L	L1	L2
SK50-HYG06-90	06	14	30	63	90	30	27
SK50-HYG08-90	08	16	30	63	90	30	27
SK50-HYG10-90	10	18	30	63	90	30	32
SK50-HYG12-90	12	21	33	63	90	35	37
SK50-HYG14-90	14	22	35	63	90	35	37
SK50-HYG16-90	16	24	38	63	90	40	42
SK50-HYG18-90	18	26	40	63	90	40	42
SK50-HYG20-110	20	29	42	63	110	40	42
SK50-HYG25-110	25	34	50	70	110	45	48
SK50-HYG32-110	32	42	56	80	110	50	55

MTB Hydraulic Chuck
莫氏液压刀柄

Size	d1	D1	D2	L	L1	L2	G
MTB4-HY20-90	20	42	49.5	90	47.5	42	M16×1
MTB4-HY32-90	32	72	72	90	-	55	-
MTB5-HY20-90	20	42	49.5	90	47.5	42	M16×1
MTB5-HY32-90	32	72	72	90	-	55	-

Hydraulic Chuck for CNC Automatic Lathe
液压刀柄，走心机专用

A ↗ ≤0.003

Type 1

Type 2

Size	Type	d	D1	L1	L2	W	T1	T2	ℓ1	ℓ2
ST16L-HY03-50	1	03	16	50	15	22	23	17.5	16	58
ST16L-HY04-50	1	04	16	50	15	22	23	17.5	19	58
ST16L-HY06-50	1	06	16	50	15	22	24.5	18.5	27	58
ST16L-HY08-50	2	08	16	50	15	24	25.5	19.5	27	47
ST20L-HY03-70	1	03	20	70	15	22	23	17.5	16	78
ST20L-HY04-70	1	04	20	70	15	22	23	17.5	19	78
ST20L-HY06-70	1	06	20	70	15	22	24.5	18.5	27	78
ST20L-HY08-70	2	08	20	70	15	24	25.5	19.5	27	64
ST20L-HY10-70	2	10	20	70	15	26	26.5	20.5	33	67
ST22L-HY03-70	1	03	22	70	15	24	23	17.5	16	78
ST22L-HY04-70	1	04	22	70	15	24	23	17.5	19	78
ST22L-HY06-70	1	06	22	70	15	24	24.5	18.5	27	78
ST22L-HY08-70	2	08	22	70	15	24	25.5	19.5	27	64
ST22L-HY10-70	2	10	22	70	15	26	26.5	20.5	33	67
ST22L-HY12-70	2	12	22	70	15	28	29	21.5	36	67
ST25L-HY03-70	1	03	25	70	15	28	23	17.5	16	78
ST25L-HY04-70	1	04	25	70	15	28	23	17.5	19	78
ST25L-HY06-70	1	06	25	70	15	28	24.5	18.5	27	78
ST25L-HY08-70	2	08	25	70	15	28	25.5	19.5	27	64
ST25L-HY10-70	2	10	25	70	15	28	26.5	20.5	33	67
ST25L-HY12-70	2	12	25	70	15	28	29	21.5	36	67
ST3/4"L-HY03-60	1	03	3/4"	60	15	22	23	17.5	16	68
ST3/4"L-HY04-60	1	04	3/4"	60	15	22	23	17.5	19	68
ST3/4"L-HY06-60	1	06	3/4"	60	15	22	24.5	18.5	27	68
ST3/4"L-HY08-60	2	08	3/4"	60	15	24	25.5	19.5	27	57
ST3/4"L-HY10-60	2	10	3/4"	60	15	26	26.5	20.5	33	60
ST1"L-HY03-70	1	03	1"	70	15	28	23	17.5	16	78
ST1"L-HY04-70	1	04	1"	70	15	28	23	17.5	19	78
ST1"L-HY06-70	1	06	1"	70	15	28	24.5	18.5	27	78
ST1"L-HY08-70	2	08	1"	70	15	28	25.5	19.5	27	64
ST1"L-HY10-70	2	10	1"	70	15	28	26.5	20.5	33	67
ST1"L-HY12-70	2	12	1"	70	15	28	29	21.5	36	67

Hydraulic Collet, Sealed
液压筒夹，止水型

A ↗
≤0.003

Size	d	D1	D2	L	L2
HY12S-03	03	12	16.5	47	2
HY12S-04	04	12	16.5	47	2
HY12S-05	05	12	16.5	47	2
HY12S-06	06	12	16.5	47	2
HY12S-07	07	12	16.5	47	2
HY12S-08	08	12	16.5	47	2
HY20S-03	03	20	24	52.5	2
HY20S-04	04	20	24	52.5	2
HY20S-05	05	20	24	52.5	2
HY20S-06	06	20	24	52.5	2
HY20S-07	07	20	24	52.5	2
HY20S-08	08	20	24	52.5	2
HY20S-09	09	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, Sealed
液压筒夹，止水型

A ↗ ≤0.003

Size	d	D1	D2	L	L2
HY32S-06	06	32	35.5	62.5	2
HY32S-07	07	32	35.5	62.5	2
HY32S-08	08	32	35.5	62.5	2
HY32S-09	09	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

Size	d	D1	D2	L	L2
HY12S-03K	03	12	16.5	47	2
HY12S-04K	04	12	16.5	47	2
HY12S-05K	05	12	16.5	47	2
HY12S-06K	06	12	16.5	47	2
HY12S-07K	07	12	16.5	47	2
HY12S-08K	08	12	16.5	47	2
HY20S-03K	03	20	24	52.5	2
HY20S-04K	04	20	24	52.5	2
HY20S-05K	05	20	24	52.5	2
HY20S-06K	06	20	24	52.5	2
HY20S-07K	07	20	24	52.5	2
HY20S-08K	08	20	24	52.5	2
HY20S-09K	09	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

Size	d	D1	D2	L	L2
HY32S-06K	06	32	35.5	62.5	2
HY32S-07K	07	32	35.5	62.5	2
HY32S-08K	08	32	35.5	62.5	2
HY32S-09K	09	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

Hydaulic Collet Set
液压筒夹套装

Size	Hydraulic chuck	Hydraulic Collet	Collet Quantity
BT40-HY12-90-5 PCS	BT40-HY12-90	HYS12-3,4,5,6,8	5
BT40-HY20-90-5 PCS	BT40-HY20-90	HYS20-6,8,10,12,16	5
BT40-HY32-105-7 PCS	BT40-HY32-105	HYS32-6,8,10,12,16,20,25	7
SK40-HY12-80.5-5 PCS	SK40-HY12-80.5	HYS12-3,4,5,6,8	5
SK40-HY20-80.5-5 PCS	SK40-HY20-80.5	HYS20-6,8,10,12,16	5
SK40-HY32-80.5-7 PCS	SK40-HY32-80.5	HYS32-6,8,10,12,16,20,25	7
CAT40-HY12-81-5 PCS	CAT40-HY12-81	HYS12-3,4,5,6,8	5
CAT40-HY20-81-5 PCS	CAT40-HY20-81	HYS20-6,8,10,12,16	5
CAT40-HY32-81-7 PCS	CAT40-HY32-81	HYS32-6,8,10,12,16,20,25	7
HSK63A-HY12-85-5 PCS	HSK63A-HY12-85	HYS12-3,4,5,6,8	5
HSK63A-HY20-90-5 PCS	HSK63A-HY20-90	HYS20-6,8,10,12,16	5
HSK63A-HY32-105-7 PCS	HSK63A-HY32-105	HYS32-6,8,10,12,16,20,25	7

Hydaulic Chuck Set
液压刀柄套装

Size	Hydraulic chuck	Pull Stud	Spanner(mm)	Coolant tube
BT40-HY-8 PCS	BT40-HY06-90	BT40-45CO*8	T5	-
	BT40-HY08-90			
	BT40-HY10-90			
	BT40-HY12-90			
	BT40-HY16-90			
	BT40-HY20-90			
	BT40-HY25-100		T6	
	BT40-HY32-105			
SK40-HY-8 PCS	SK40-HY06-80.5	SK40A*8	T5	-
	SK40-HY08-80.5			
	SK40-HY10-80.5			
	SK40-HY12-80.5			
	SK40-HY16-80.5			
	SK40-HY20-80.5			
	SK40-HY25-80.5		T6	
	SK40-HY32-80.5			
CAT40-HY-8 PCS	CAT40-HY06-81	CAT40*8	T5	-
	CAT40-HY08-81			
	CAT40-HY10-81			
	CAT40-HY12-81			
	CAT40-HY16-81			
	CAT40-HY20-81			
	CAT40-HY25-81		T6	
	CAT40-HY32-81			
HSK63A-HY-8PCS	HSK63A-HY06-70	-	T5	CT63*8
	HSK63A-HY08-70			
	HSK63A-HY10-80			
	HSK63A-HY12-85			
	HSK63A-HY16-90			
	HSK63A-HY20-90			
	HSK63A-HY25-120		T6	
	HSK63A-HY32-125			

BRIGHT-TOOLS

MOD

TOOL HOLDERS

Shrink Chuck, Module
法兰热缩刀柄

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

Hydraulic Chuck, Module
法兰液压刀柄

Size	D	D1	d1	d2	d3	L1	L
MOD60-HY06-80	60	30	06	26	40	30	80
MOD60-HY08-80	60	30	08	28	40	30	80
MOD60-HY10-80	60	30	10	30	40	35	80
MOD60-HY12-80	60	30	12	32	40	40	80
MOD70-HY06-80	70	35	06	26	40	30	80
MOD70-HY08-80	70	35	08	28	40	30	80
MOD70-HY10-80	70	35	10	30	40	35	80
MOD70-HY12-80	70	35	12	32	40	40	80
MOD80-HY06-80	80	40	06	26	50	24	80
MOD80-HY08-80	80	40	08	28	50	25	80
MOD80-HY10-80	80	40	10	30	50	35	80
MOD80-HY12-80	80	40	12	32	50	44.5	80
MOD80-HY16-80	80	40	16	38	50	46	80
MOD80-HY20-80	80	40	20	42	50	47.5	80
MOD100-HY12-80	100	50	12	35	50	44.5	80
MOD100-HY16-80	100	50	16	38	50	46	80
MOD100-HY20-80	100	50	20	42	50	47.5	80
MOD100-HY25-90	100	50	25	57	63	59	90
MOD117-HY32-100	117	60	32	-	-	-	100

Flange Tool Holder Adatper 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

ER Collet Chuck,Module
法兰 ER 筒夹刀柄

Type 1

Type 2

Size	D	D1	d	d1	L	L1	L2	L3	PCD	FIG
MOD060-ER16-48	60	40	30	6	58	48	10	15	44	1
MOD070-ER16-48	70	40	35	7	58	48	10	15	53	1
MOD080-ER16-49	80	40	40	7	59	49	10	16	63	1
MOD080-ER32-49	80	50	40	7	59	49	10	16	63	2
MOD100-ER40-63	100	63	50	9	75	63	12	18	79	2

BRIGHT-TOOLS

BT

TOOL HOLDERS

BT

POWER MILLING CHUCK
强力刀柄的工作原理

High Rigidity
高刚性

Before Clamping
装夹刀具前

After Clamping
装夹刀具后

High clamping force
高夹持力

01 Deep groove High clamping force
深槽 增加夹紧力

02 Radial notch,prevents tool from slipping out
径向槽深，防止刀具打滑

03 Prevents tool rotation
防止刀具旋转

04 a ventilation shaft
排气孔

High precision
高精度

AD 中心出水

Rough machining
粗加工

√ Aerospace machining
√ Automotive Mould Machining
√ Energy Equipment Heavy Cutting

√ 航空航天加工
√ 汽车模具加工
√ 能源装备重切削

BT

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 TOOLING SYSTEM
BT 工具系统

ER Collet Chuck.....D.06
ER 弹簧夹头刀柄
ER Collet Chuck,Shrot.....D.11
ER 弹簧夹头刀柄,超短型
GER Collet Chuck D.11
GER 弹簧夹头刀柄
Power Milling Chuck D.12
强力铣刀柄
OZ Collet C huck.....D.15
OZ 夹头刀柄
TG Collet Chuck D.15
TG 超强力刀柄
SKS Collet Chuck.....D.16
SKS 高速筒夹刀柄
Pull Back Collet Chuck D.17
DC 后拉刀柄
Precision Screw Collet Chuck.....D.18
NDC 后拉刀柄
Face Mill Holder.....D.19
面铣刀柄
Combi Shell Mill Holder.....D.23
混合插入式铣刀柄
End Mill Holder.....D.24
侧固刀柄
Morse Taper Adapter.....D.30
带扁尾莫氏刀柄
Morse Taper Adapter..... D.31
带螺纹孔莫氏刀柄
Tool Holder Adatper Sleeve D.33
转换刀柄
Drill Chuck Adapter.....D.33
钻接杆
APU Drill Chuck Holder D.33
APU 钻夹头刀柄
Precision Drill Chuck Holder.....D.34
精密钻夹头刀柄
Quick Change Tapping Chuck.....D.36
弹性快换攻丝刀柄
Screw-in Milling Cutter Holder.....D.33
SOM 锁牙刀柄
Runout Adjustable Flange Adapter D.35
可调节精度法兰刀柄
UM Adjustable.....D.36
UM调零刀柄
Boring Bar Blank.....D.39
基础柄
Test Arbor.....D.39
主轴检测棒
Alignment Tool for ATC Arm D.40
调整机械手用组合模具

BT

ER Collet Chuck with UM Nut
ER 弹簧夹头刀柄

DIN6499	A ≤0.003	RPM G2.5/25000	AD

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

DIN6499	A ≤0.003	RPM G6.3/15000	AD

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

DIN6499	A ↗	RPM	AD
	≤0.003	G6.3/15000	

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

BT

ER Collet Chuck with UM Nut
ER 弹簧夹头刀柄

DIN6499	A ↗	RPM	AD
	≤0.003	G6.3/15000	

Size	D	D1	L	Capacity
BT60-ER32-100	50	50	100	2-20
BT60-ER40-100	63	63	100	3-26
BT60-ER50-100	64	78	100	6-34
BT60-ER32-160	50	50	160	2-20
BT60-ER40-160	63	63	160	3-26
BT60-ER50-160	64	78	160	6-34

AD/B Customized

AD/B 可定制

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

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

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

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

DIN6499	A ↗	RPM	AD
	≤0.003	G6.3/25000	

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

BT

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

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

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

RPM
G6.3/15000

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

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

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 ↗	RPM	AD
	≤0.003	G2.5/25000	

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

BT

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
BT60-HC32-130	32	72	130	3-25; 32
BT60-HC42-130	42	99	130	3-32; 42

Power Milling Chuck
强力铣刀柄

NEW

A ↗ ≤0.005

AD

Type 1

Type 2

Type 3

Size	Type	d	D	D1	L	L1	L2	ℓ	ℓ1	ℓ2	d1	L0	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
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	-	69	M18
				-									

BT

Power Milling Chuck
强力铣刀柄

NEW

A ≤0.005

AD

Type 1

Type 2

Type 3

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
BT60-CT32SA-135	3	32	73	88	135	31	56	120	-	20	-	-	M18
BT60-CT42SA-135	3	42	88	110	135	31	56	120	-	20	-	-	M18

OZ Collet Chuck
OZ 夹头刀柄

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

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 ↗	RPM	AD
≤0.005	G2.5/25000	

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

BT

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	
≤0.003	G2.5/25000	AD

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

BT

Precision Screw Collet Chuck
NDC 后拉刀柄

A ↗	RPM	AD
≤0.003	G2.5/25000	

Size	D	D1	D2	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	
≤0.005	G6.3/15000	AD

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

BT

Face Mill Holder
面铣刀柄

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

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

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

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	22	100	60	19	M10
BT50-FMB22-150	22	150	60	19	M10
BT50-FMB22-200	22	200	60	19	M10
BT50-FMB22-250	22	250	60	19	M10
BT50-FMB22-300	22	300	60	19	M10
BT60-FMB22-100	22	100	48	19	M10
BT60-FMB27-100	27	100	58	21	M12
BT60-FMB32-100	32	100	78	24	M16
BT60-FMB22-160	22	160	48	19	M10

BT

Face Mill Holder
面铣刀柄

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

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
BT60-FMB40-100	40	100	88	66.7	27	M20	M12
BT60-FMB60-75	60	75	129	101.6	25	M30	M16

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

DIN6358	A ↗	RPM	AD
	≤0.005	G6.3/15000	

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

BT

End Mill Holder Weldon
侧固刀柄

	A	RPM	
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	A ↗ ≤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

AD/B Customized

AD/B 可定制

BT

End Mill Holder Weldon
侧固刀柄

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

Size	d	D	L	M	Screw Quantity
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
BT60-SLA25-100	25	65	100	M18*2	2
BT60-SLA32-105	32	72	105	M20*2	2
BT60-SLA40-110	40	80	110	M20*2	2
BT60-SLA50-125	50	98	125	M24*2	2

AD/B Customized

AD/B 可定制

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

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

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

BT

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

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

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

DIN1835E	A ↗	RPM	AD
	≤0.005	G6.3/15000	

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

BT

Morse Taper Adapter with Tang
带扁尾莫氏刀柄

DIN6383	A ↗	RPM
	≤0.005	G6.3/15000

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
BT60-MTA3-65	3	40	65
BT60-MTA4-95	4	48	95
BT60-MTA5-105	5	63	105
BT60-MTA6-170	6	85	170

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

DIN6364	A ≤0.005	RPM G6.3/15000

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
BT60-MTB2-60	2	32	60
BT60-MTB3-65	3	40	65
BT60-MTB4-70	4	48	70
BT60-MTB5-120	5	63	120
BT60-MTB6-150	6	85	150

BT

Tool Holder Adatper 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 ↗	💧
≤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

	A ↗	RPM
DIN238	≤0.005	G6.3/15000

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

BT

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 ↗	RPM	
≤0.005	G6.3/15000	AD

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

BT

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

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

BT

UM Adjustable Tool Holder
UM 调零刀柄

A ↗	RPM	
≤0.003	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

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

BT

Alignment Tool for ATC Arm
调整机械手用组合模具

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.

使用方法：
1) 将锥度安装到机床主轴上
2) 将法兰安装到 ATC 臂上
3) 将销钉插入法兰中
4) 调整 ATC 臂并确保销钉前部完全进入法兰中。

Alignment Tool for ATC Arm
调整机械手用组合模具

Size	D	D1	D2	L	L1	L2	L4	L5
BT30-ATC18	31.75	46	18	50.4	2	20	251	44
BT40-ATC20	44.45	63	20	67.4	2	25	251	44
BT50-ATC28	69.85	100	28	104.8	3	35	261	54

Usage:
1. Install the calibration taper to the machine spindle.
2. Install the calibration flange on the ATC machine.
3. Insert the calibration pin into the calibration flange.
4. Rotate the calibration pin to find the maximum and minimum positions of the pointer.
value position of the pointer. This direction is the direction of eccentricity, and the amount of eccentricity is half of the difference.
5. Adjust the ATC manipulator and ensure that the front of the calibration pin is fully inserted into the flange.

使用方法
1. 将校正锥柄安装到机床主轴。
2. 将校正法兰安装在 ATC 机械手上。
3. 将校正销棒插入校正法兰。
4. 旋转校正销棒，找到指针的最大值位置和最小值位置。该方向即偏心方向，偏心量为差值的一半。
5. 调整 ATC 机械手并确保校正销棒前端完全插入法兰中。

BRIGHT-TOOLS

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

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.....D.46
ER 弹簧夹头刀柄
Power Milling Chuck D.48
强力铣刀柄
SKS Collet Chuck.....D.50
SKS 高速筒夹刀柄
Precision Screw Collet Chuck.....D.51
NDC后拉刀柄
Face Mill Holder.....D.52
面铣刀柄
Combi Shell Mill Holder.....D.54
混合插入式铣刀柄
End Mill Holder.....D.56
侧固刀柄
Morse Taper Adapter.....D.56
带扁尾莫氏刀柄
Tool Holder Adatper Sleeve D.56
转换刀柄
Precision Drill Chuck Holder.....D.57
精密钻夹头刀柄
Runout Adjustable Flange Adapter D.57
可调节精度法兰刀柄
Test Arbor.....D.58
主轴检测棒

BBT

ER Collet Chuck with UM Nut
ER 弹簧夹头刀柄

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

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

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

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

BBT

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

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

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

A ↗	AD
≤0.008	

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

Power Milling Chuck
强力铣刀柄

NEW

A ≤0.005

AD

Type 1

Type 2

Type 3

Size	Type	d	D	D1	L	L1	L2	ℓ	ℓ1	ℓ2	d1	L0	G
BBT40-CT20SA-90	1	20	52	-	90	-	-	80	-	15	-	-	M12
BBT40-CT25SA-90	1	25	61	-	90	-	-	80	-	15	-	-	M12
BBT40-CT25SA-105	1	25	61	-	105	-	-	80	-	15	-	-	M12
BBT40-CT32SA-90	2	32	73	-	90	-	-	76	32	17	26	31	M18
BBT40-CT32SA-105	2	32	73	-	105	-	-	85	23	17	26	44	M18
BBT40-CT32SA-135	2	32	73	-	135	-	-	120		17	-	69	M18
BBT50-CT20SA-105	3	20	52	70	105	9	58	80	-	15	-	-	M12
BBT50-CT25SA-105	3	25	61	82	105	11	56	80	-	15	-	-	M12
BBT50-CT32SA-110	1	32	73	-	110	-	-	120	-	20	-	-	M18

BBT

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	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

BBT

Face Mill Holder
面铣刀柄

DIN6357	A ↗	RPM	AD
	≤0.005	G2.5/25000	

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

DIN6357	A ↗	RPM	AD
	≤0.005	G2.5/25000	

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).

BBT

Combi Shell Mill Holder
混合插入式铣刀柄

DIN6358	A ↗	RPM
	≤0.005	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

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

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

BBT

Morse Taper Adapter with Tang
带扁尾莫氏刀柄

DIN6383	A ↗	RPM
	≤0.005	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 Adatper Sleeve
转换刀柄

A ↗	AD
≤0.005	

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

A ↗	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

A ↗	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

BBT

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

BRIGHT-TOOLS

NBT

TOOL HOLDERS

NBT

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

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

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

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

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

NBT

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

BRIGHT-TOOLS

SK

TOOL HOLDERS

SK Taper Standard
SK 锥柄标准

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.....E.04
ER 弹簧夹头刀柄
ER Collet Chuck,Shrot.....E.08
ER 弹簧夹头刀柄,超短型
Power Milling Chuck E.08
强力铣刀柄
OZ Collet C huck.....E.11
OZ 夹头刀柄
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Screw-in Milling Cutter Holder.....E.29
SOM 锁牙刀柄
Runout Adjustable Flange Adapter E.32
可调节精度法兰刀柄
UM Adjustable.....E.32
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基础柄
Test Arbor.....E.33
主轴检测棒
Alignment Tool for ATC Arm E.34
调整机械手用组合模具

ER Collet Chuck with UM Nut
ER 弹簧夹头刀柄

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

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
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

AD/B Customized

AD/B 可定制

ER Collet Chuck with UM Nut
ER 弹簧夹头刀柄

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

Size	D	D1	L	Capacity
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
SK60-ER32-100	50	50	100	2-20
SK60-ER40-100	63	63	100	3-26
SK60-ER50-100	64	78	100	6-34
SK60-ER32-160	50	50	160	2-20
SK60-ER40-160	63	63	160	3-26
SK60-ER50-160	64	78	160	6-34

AD/B Customized

AD/B 可定制

SK

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

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

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

RPM
G6.3/15000

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

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

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

SK

ER Collet Chuck，Shrot
ER 弹簧夹头刀柄，超短型

DIN6499	A ≤0.003	RPM G2.5/25000	AD

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

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

NEW

A ↗ ≤0.005

AD

Size	d	D1	L	H
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-90	20	52	90	80
SK40-CT20SA-105	20	52	105	80
SK40-CT20SA-120	20	52	120	80
SK40-CT25SA-105	25	61	105	80
SK40-CT25SA-135	25	61	135	80
SK40-CT32SA-105	32	73	105	85
SK40-CT32SA-120	32	73	120	85
SK40-CT32SA-135	32	73	135	120

Power Milling Chuck
强力铣刀柄

NEW

A ↗ ≤0.005

AD

SK

Size	d	D1	L	H
SK50-CT16SA-90	16	45	90	65
SK50-CT16SA-105	16	45	105	65
SK50-CT16SA-135	16	45	135	65
SK50-CT20SA-90	20	52	90	80
SK50-CT20SA-105	20	52	105	80
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
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
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

OZ Collet Chuck
OZ 夹头刀柄

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

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

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
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

DIN6357	A ↗ ≤0.005	RPM G6.3/15000	AD

SK

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 ↗	RPM	AD
	≤0.005	G6.3/15000	

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
SK60-FMB22-100	22	48	100	19	M10
SK60-FMB27-100	27	58	100	21	M12
SK60-FMB32-100	32	78	100	24	M16
SK60-FMB22-150	22	48	150	19	M10

AD/B Customized

AD/B 可定制

SK

Face Mill Holder
面铣刀柄

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

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
SK60-FMB40-100	40	88	66.7	100	27	M20	M12
SK60-FMB60-75	60	129	101.6	75	27	M30	M16

AD/B Customized

AD/B 可定制

Combi Shell Mill Holder
混合插入式铣刀柄

DIN6358	A ↗	RPM
	≤0.005	G6.3/15000

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

SK

End Mill Holder Weldon
侧固刀柄

	A ↗	RPM	
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
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

AD/B Customized

AD/B 可定制

End Mill Holder Weldon
侧固刀柄

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

Size	d	D	L	M	Screw Quantity
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
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

SK

End Mill Holder Weldon
侧固刀柄

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

Size	d	D	L	M	Screw Quantity
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
SK60-SLA20-63	20	52	63	M16	1
SK60-SLA25-80	25	65	80	M18*2	2
SK60-SLA32-100	32	72	100	M20*2	2
SK60-SLA40-100	40	80	100	M20*2	2
SK60-SLA50-120	50	90	120	M20*2	2

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 ↗	RPM	AD
	≤0.005	G6.3/15000	

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

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

SK

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

End Mill Holder Whistle Notch
侧固式铣刀柄，斜 2 度

DIN1835E	A ↗	RPM	AD
	≤0.005	G6.3/15000	

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

	A ↗	RPM
DIN6383	≤0.005	G6.3/15000

SK

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
SK60-MTA3-65	3	40	65
SK60-MTA4-95	4	48	95
SK60-MTA5-105	5	63	105
SK60-MTA6-170	6	85	170

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

DIN6364	A ↗	RPM
	≤0.005	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
SK60-MTB3-65	3	40	65
SK60-MTB4-70	4	48	70
SK60-MTB5-100	5	63	100
SK60-MTB6-150	6	85	150

SK

Tool Holder Adatper 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
SK60-SK50-100	100	97

Tool Holder Adapter Sleeve
转换刀柄

A ↗	💧
≤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	A ↗	RPM
	≤0.005	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

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

SK

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

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.

Test Arbor
主轴检测棒

A ↗
≤0.002

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

SK

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.

使用方法：
1) 将锥度安装到机床主轴上
2) 将法兰安装到 ATC 臂上
3) 将销钉插入法兰中
4) 调整 ATC 臂并确保销钉前部完全进入法兰中。

Alignment Tool for ATC Arm
调整机械手用组合模具

Size	D	D1	D2	L	L1	L2	L3	L4	L5
SK40-ATC20	44.45	63.55	20	71.6	3.2	15.9	24.3	251	44
SK50-ATC28	69.85	97.5	28	104.95	3.2	15.9	35.3	261	54

Usage:
1. Install the calibration taper to the machine spindle.
2. Install the calibration flange on the ATC machine.
3. Insert the calibration pin into the calibration flange.
4. Rotate the calibration pin to find the maximum and minimum positions of the pointer.
value position of the pointer. This direction is the direction of eccentricity, and the amount of eccentricity is half of the difference.
5. Adjust the ATC manipulator and ensure that the front of the calibration pin is fully inserted into the flange.

使用方法
1. 将校正锥柄安装到机床主轴。
2. 将校正法兰安装在 ATC 机械手上。
3. 将校正销棒插入校正法兰。
4. 旋转校正销棒，找到指针的最大值位置和最小值位置。
该方向即偏心方向，偏心量为差值的一半。
5. 调整 ATC 机械手并确保校正销棒前端完全插入法兰中。

BRIGHT-TOOLS

ISO

TOOL HOLDERS

ISO Taper Standard
ISO 锥柄标准

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	A ↗	RPM	AD
	≤0.003	G2.5/25000	

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

ER Collet Chuck without Drive Slots
ER 弹簧夹头刀柄

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

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

ISO

ER Collet Chuck without Drive Slots
ER 弹簧夹头刀柄

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

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

ER Collet Chuck without Drive Slots
ER 弹簧夹头刀柄

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

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

BRIGHT-TOOLS

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 TOOLING SYSTEM
CAT 工具系统

ER Collet Chuck F.04
ER弹簧夹头刀柄

ER Collet Chuck,Short F.04
ER弹簧夹头刀柄,超短型

Power Milling Chuck..... F.07
强力铣刀柄

TG Collet Chuck.....F.09
TG 超强力刀柄

Face Mill Holder F.10
面铣刀柄

End Mill Holder.....F.11
侧固刀柄

Morse Taper Adapter F.16
带扁尾莫氏刀柄

Tool Holder Adatper Sleeve F.16
转换刀柄

Drill Chuck Adapter F.17
钻接杆

APU Drill Chuck Holder F.17
APU钻夹头刀柄

Precision Drill Chuck Holder F.18
精密钻夹头刀柄

Quick Change Tapping Chuck F.18
弹性快换攻丝刀柄

Screw-in Milling Cutter Holder.....F.19
SOM 锁牙刀柄

Runout Adjustable Flange Adapter.....F.22
可调节精度法兰刀柄

UM Adjustable F.22
UM调零刀柄

Boring Bar Blank F.23
基础柄

Test Arbor F.23
主轴检测棒

Alignment Tool for ATC Arm F.24
调整机械手用组合模具

ER Collet Chuck with UM Nut
ER 弹簧夹头刀柄

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

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

ER Collet Chuck with UM Nut
ER 弹簧夹头刀柄

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

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

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

DIN6499	A ≤0.003	RPM G2.5/25000	AD

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

DIN6499	A ≤0.003	RPM G2.5/25000	AD

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

A ≤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"

Power Milling Chuck
强力铣刀柄

NEW

≤0.005 | AD

Type 1

Type 2

Size	Type	d	D	D1	L	ℓ	ℓ1	ℓ2	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 ↗	RPM	
≤0.005	G2.5/20000	AD

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"

Face Mill Holder Inch
英制面铣刀柄

A ↗	RPM
≤0.005	G2.5/25000

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

	A	RPM	
DIN6359/1835B	≤0.005	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"

End Mill Holder Weldon
侧固刀柄

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

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"

End Mill Holder Weldon
侧固刀柄

	A ↗	RPM	
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	A ↗	RPM	AD
	≤0.005	G2.5/20000	

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"

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

	A ↗	RPM	
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"

Morse Taper Adapter with Tang
带扁尾莫氏刀柄

DIN6383	A ↗	RPM
	≤0.005	G2.5/25000

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 Adapter Sleeve
转换刀柄

A ↗	
≤0.005	AD

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

DIN238	A ↗	RPM
	≤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"

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 ↗	RPM
≤0.03	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

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	💧
≤0.005	G6.3/15000	AD

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

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
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 ↗	RPM	
≤0.005	G6.3/15000	AD

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

Runout Adjustable Flange Adapter
可调节精度法兰刀柄

A ↗	RPM
≤0.002	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 ↗	RPM
≤0.003	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

≤0.002

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

CAT

Alignment Tool for ATC Arm
调整机械手用组合模具

Size	D	D1	D2	L	L1	L2	L3	L4	L5
CAT40-ATC20	36.5	44.45	20	71.425	3.175	15.875	23	251	44
CAT50-ATC28	98.43	69.85	28	104.775	3.175	15.875	35	261	54

Usage:
1. Install the calibration taper to the machine spindle.
2. Install the calibration flange on the ATC machine.
3. Insert the calibration pin into the calibration flange.
4. Rotate the calibration pin to find the maximum and minimum positions of the pointer.
value position of the pointer. This direction is the direction of eccentricity, and the amount of eccentricity is half of the difference.
5. Adjust the ATC manipulator and ensure that the front of the calibration pin is fully inserted into the flange.

使用方法
1. 将校正锥柄安装到机床主轴。
2. 将校正法兰安装在 ATC 机械手上。
3. 将校正销棒插入校正法兰。
4. 旋转校正销棒，找到指针的最大值位置和最小值位置。
该方向即偏心方向，偏心量为差值的一半。
5. 调整 ATC 机械手并确保校正销棒前端完全插入法兰中。

BRIGHT-TOOLS

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

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。

ER Collet Chuck with UM Nut
ER 弹簧夹头刀柄

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

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

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

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

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

BRIGHT-TOOLS

HSK-A

TOOL HOLDERS

BRIGHT-TOOLS

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

Combi Shell Mill Holder G.19
混合插入式铣刀柄

End Mill Holder G.20
侧固刀柄

Morse Taper Adapter G.25
带扁尾莫氏刀柄

Morse Taper Adapter G.26
带螺纹孔莫氏刀柄

Tool Holder Adatper Sleeve.....G.27
转换刀柄

APU Drill Chuck Holder G.28
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
弹性快换攻丝刀柄

Screw-in Milling Cutter Holder G.30
SOM 锁牙刀柄

Runout Adjustable Flange Adapter G.32
可调节精度法兰刀柄

UM Adjustable.....G.33
UM调零刀柄

Boring Bar Blank.....G.34
基础柄

Test Arbor.....G.35
主轴检测棒

Alignment Tool for ATC Arm G.36
调整机械手用组合模具

ER Collet Chuck with UM Nut
ER 弹簧夹头刀柄

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

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

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

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-120	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

ER Collet Chuck with UM Nut
ER 弹簧夹头刀柄

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

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
HSK125A-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

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

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

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-ER16-120	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

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

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

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

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

Power Milling Chuck
强力铣刀柄

NEW

A ↗ ≤0.005

AD

Type 1

Type 2

Type 3

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

OZ Collet Chuck
OZ 夹头刀柄

DIN6391	A ↗	RPM	AD
	≤0.005	G2.5/25000	

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

High Speed SKS Collet Chuck
SKS 高速筒夹刀柄

A ↗	RPM	AD
≤0.003	G2.5/25000	

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

Pull Back Collet Chuck
DC 后拉刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD

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

Precision Screw Collet Chuck
NDC 后拉刀柄

A ↗	RPM	
≤0.003	G2.5/25000	AD

Size	D	D1	D2	L	L1	L2	L3	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

Face Mill Holder Inch
英制面铣刀柄

A ↗	RPM	💧
≤0.005	G2.5/25000	AD

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
HSK125A-FMA3/4"-2-60	3/4"	42.926	17.45	60	3/8-24
HSK125A-FMA1"-60	1"	55.626	17.45	60	1/2-20
HSK125A-FMA1-1/2"-60	1-1/2"	78	23.83	60	3/4-16
HSK125A-FMA1"-100	1"	55.626	17.45	100	1/2-20
HSK125A-FMA1-1/4"-100	1-1/4"	69.85	17.45	100	5/8-18
HSK125A-FMA1-1/2"-100	1-1/2"	78	23.83	100	3/4-16
HSK125A-FMA2"-100	2"	124	-	100	-

Face Mill Holder
面铣刀柄

DIN6357	A ↗	RPM	AD
	≤0.005	G2.5/25000	

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

Face Mill Holder
面铣刀柄

DIN6357	A ↗	RPM	AD
	≤0.003	G2.5/25000	

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
HSK125A-FMB22-60	22	48	19	60	M10
HSK125A-FMB27-60	27	58	21	60	M12
HSK125A-FMB32-60	32	78	24	60	M16
HSK125A-FMB32-100	32	78	24	100	M16
HSK125A-FMB27-100	27	58	21	100	M12

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

DIN6357	A ↗	RPM	AD
	≤0.005	G2.5/25000	

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
HSK125A-FMB40-60	40	88	66.7	27	60	M20	M12
HSK125A-FMB40-100	40	88	66.7	27	100	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	A ↗	RPM
	≤0.005	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 ↗	RPM	AD
	≤0.005	G2.5/25000	

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

End Mill Holder Weldon
侧固刀柄

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

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	A ↗	RPM	AD
	≤0.005	G2.5/25000	

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

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

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

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

DIN1835E	A ↗	RPM	AD
	≤0.005	G2.5/25000	

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

Morse Taper Adapter with Tang
带扁尾莫氏刀柄

DIN6383	A ↗	RPM
	≤0.005	G2.5/25000

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

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

DIN6364	A ↗	RPM
	≤0.005	G2.5/25000

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

Tool Holder Adapter Sleeve
转换刀柄

A ≤0.005

AD

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
HSK125A-HSK63C-100	63	70	100

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

A ↗	RPM
≤0.03	G2.5/25000

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	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

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

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

Runout Adjustable Flange Adapter
可调节精度法兰刀柄

A ↗	RPM	AD
≤0.002	G2.5/25000	

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

UM Adjustable Tool Holder
UM 调零刀柄

A ↗	RPM	💧
≤0.003	G2.5/25000	AD

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

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

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

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

BRIGHT-TOOLS

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.....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

ER Collet Chuck
ER 弹簧夹头刀柄

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

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

Face Mill Holder
面铣刀柄

DIN6499	A ↗	RPM	
	≤0.005	G2.5/25000	AD

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

DIN6499	A ↗	RPM	
	≤0.005	G2.5/25000	AD

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 ↗	RPM	
	≤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

BRIGHT-TOOLS

HSK-F

TOOL HOLDERS

BRIGHT-TOOLS

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-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

ER Collet Chuck
ER 弹簧夹头刀柄

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

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	A ↗	RPM	AD
	≤0.005	G2.5/25000	

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

Face Mill Holder
面铣刀柄

DIN6357	A ↗	RPM	AD
	≤0.005	G2.5/25000	

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 ↗	RPM	AD
	≤0.005	G2.5/25000	

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	A ↗	RPM
	≤0.005	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 ↗	RPM
≤0.03	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

Test Arbor
主轴检测棒

A ↗
≤0.002

Size	D	L
HSK63F-40-300	40	300

BRIGHT-TOOLS

HSK-T

TOOL HOLDERS

HSK63T - D C L N

刀柄尺寸 Taper Size	可转位刀片夹紧方式 Insert Clamping Way	可转位刀片形状 Insert Shape	刀杆偏角 Holder Angle	可转位刀片后角 Insert Clearance Angle
HSK63T	C 从上面压紧 Clamp	C 80°	A 90°	B 5°
HSK100T	D 从上面穿过孔压紧 Clamp/inserts with center hole	D 55°	B 75°	C 7°
	M 从上面用孔压紧 Pin/Clamp	S 90°	D 45°	N 0°
	P 杠杆压紧 Pin/Wedge or Lever	V 35°	G 90°	
	S 通过孔拧紧 Screw	W 80°	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°	

HSK 63T -

刀柄款式 Taper	刀柄尺寸 Taper Size
HSK	HSK63T
	HSK100T

R - 45 070 - 16

切削方向
Direction

f
(mm)

L
(mm)

刀片尺寸
Insert Size

R	右 Right
L	左 Left
N	左右切 Both

E2 06 - 055

用于圆柱柄
for Cylindrical Shank Tools

d1
(mm)

l1
(mm)

SB H 2020 R

用于矩形柄
for Rectangular Tools

切削方向
Direction

H	00 轴向
N	45 斜向
T	三面
V	90 径向

车刀杆尺寸
Turning Tool Holder Size

2020	20×20
2525	25×25

切削方向
Direction

R	右 Right
L	左 Left
N	左右切 Both

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	DVPNR 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-T TOOLING SYSTEM
HSK-T 工具系统

Boring Bar Holder G.60
复合刀具，镗孔刀夹
Facing G.61
复合车刀座，端面加工
External and Facing.....G.61
复合车刀座，外径端面加工
External and Cut-ofG.....G.62
复合车刀座，外径切断加工
External and Facing.....G.62
复合车刀座，外径端面加工

Turning Tool, Negative.....G.63
车刀刀体，负前角刀片
DCLNR | DCLNL 95°/80°.....G.63
PCLNR | PCLNL 95° /80° G.63
DCMNN 50°/80°/50°.....G.64
PCMNN 50°/80°/50°.....G.64
DDJNR | DDJNL 55°/93°.....G.65
PDJNR | PDJNL 55°/93°.....G.65
DDNNN 62.5°/55°/62.5°.....G.66
PDNNN 62.5°/55°/62.5°.....G.66
DDUNR | DDUNL 93°/55°.....G.66
PDUNR | PDUNL 93°/55°.....G.67
DSBNR | DSBNL 90°/75°.....G.67
PSBNR | PSBNL 90°/75°.....G.67
DSSNR | DSSNL 45°/90°.....G.68
PSSNR | PSSNL 45°/90°.....G.68
DVPNR | DVPNL 117.5°/35°.....G.68
DVUNR | DVUNL 93°/35°.....G.69
DVVNN 72.5°/35°/72.5°.....G.69
DVJNR | DVJNL 93°/35°.....G.69
DWLNR | DWLNL 95°/80°.....G.70
PWLNR | PWLNL 95°/80°.....G.70

Turning Tool, Positive.....G.70
车刀刀体，正前角刀片
SCLCR | SCLCL 95°/80°.....G.70
SCMCN 50°/80°/50°.....G.71
SDQCR | SDQCL 107.5°/55°.....G.71
SDNCN 62.5°/55°/62.5°.....G.71
SDJCR | SDJCL 93°/55°.....G.72
SDUCR | SDUCL 93°/55°.....G.72
SSBCR | SSBCL 75°/90°.....G.72
SSSCR | SSSCL 45°/90°.....G.73
SVPBR | SVPBL | SVPCR | SVPCL 117.5°/35°.G.73
SVUBR | SVUBL | SVUCR | SVUCL 93°/35°..G.74
SVVBN | SVVCN 72.5°/35°/72.5°.....G.74

长型 DCLNR | DCLNL 95°/80°.....G.75
长型 PCLNR | PCLNL 95° /80° G.76
长型 PDQNR | PDQNL 107.5°/55°.....G.76
长型 DDQNR | DDQNL 107.5°/55°.....G.77
长型 SCLCR | SCLCL 95°/80°.....G.77
长型 SVQCR | SVQCL 107.5°/55°.....G.78

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·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
			-	-	20	35	43.5	15	M10
HSK63T-SBT2020R-105	105	60	-	-	20	35	43.5	15	M10
HSK63T-SBT2020L-105	105	60							
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

DCLNR | DCLNL 95°/80°

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..

PCLNR | PCLNL 95°/80°

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..

DCMNN 50°/80°/50°

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

PCMNN 50°/80°/50°

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..

DDJNR | DDJNL 55°/93°

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

PDJNR | PDJNL 55°/93°

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..

DDNNN 62.5°/55°/62.5°

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..

PDNNN 62.5°/55°/62.5°

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..

DDUNR | DDUNL 93°/55°

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..

PDUNR | PDUNL 93°/55°

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..

DSBNR | DSBNL 90°/75°

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..

PSBNR | PSBNL 90°/75°

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..

DSSNR | DSSNL 45°/90°

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..

PSSNR | PSSNL 45°/90°

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..

DVPNR | DVPNL 117.5°/35°

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..

DVUNR | DVUNL 93°/35°

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..

DVVNN 72.5°/35°/72.5°

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..

DVJNR | DVJNL 93°/35°

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..

DWLNR | DWLNL 95°/80°

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..

PWLNR | PWLNL 95°/80°

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..

SCLCR | SCLCL 95°/80°

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..

SCMCN 50°/80°/50°

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..

SDQCR | SDQCL 107.5°/55°

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..

SDNCN 62.5°/55°/62.5°

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..

SDJCR | SDJCL 93°/55°

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..

SDUCR | SDUCL 93°/55°

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..

SSBCR | SSBCL 75°/90°

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..

SSSCR | SSSCL 45°/90°

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..

SVPBR | SVPBL | SVPCR | SVPCL 117.5°/35°

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..

SVUBR | SVUBL | SVUCR | SVUCL 93°/35°

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..

SVVBN | SVVCN 72.5°/35°/72.5°

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..

SVJBR | SVJBL | SVJCR | SVJCL 93°/35°

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..

DCLNR | DCLNL 95°/80°

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..

长型 PCLNR | PCLNL 95°/80°

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..

长型 PDQNR | PDQNL 107.5°/55°

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..

长型 DDQNR | DDQNL 107.5°/55°

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..

长型 SCLCR | SCLCL 95°/80°

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..

长型 SVQCR | SVQCL 107.5°/55°

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

BRIGHT-TOOLS

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

ER Collet Chuck
ER 弹簧夹头刀柄

DIN6499 | A ≤0.003 | AD

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	80	2-26
NT50-ER50-90 OTT	70	78	90	6-34

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

DIN6499 | A ≤0.003 | AD

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

A ≤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 | A ≤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

Face Mill Holder
面铣刀柄

DIN6357 | A ≤0.005 | AD

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

NT

Face Mill Holder
面铣刀柄

DIN6357 | A ≤0.005 | AD

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

DIN6358

A ≤0.005

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

DIN6359/1835B | A ≤0.005 | AD

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

Morse Taper Adapter with Tang
带扁尾莫氏刀柄

DIN6383

A ≤0.005

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

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

DIN6364

A ≤0.005

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 Adatper Sleeve
转换刀柄

A ≤0.005

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

DIN238 | A ≤0.005

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

BRIGHT-TOOLS

GOST

TOOL HOLDERS

GOST Taper Standard
GOST 锥柄标准

Size	D	D1	D2	D3	D4	d	d1	d2	d3	L	l	l1
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 I.04
ER弹簧夹头刀柄
Power Milling Chuck.....I.05
强力铣刀柄
Face Mill Holder I.08
面铣刀柄
Combi Shell Mill Holder I.09
混合插入式铣刀柄
End Mill Holder.....I.10
侧固刀柄
Morse Taper Adapter..... I.11
带扁尾莫氏刀柄
Morse Taper Adapter.....I.11
带螺纹孔莫氏刀柄
APU Drill Chuck Holder I.12
APU钻夹头刀柄
Quick Change Tapping Chuck.....I.12
弹性快换攻丝刀柄

ER Collet Chuck
ER 弹簧夹头刀柄

DIN6499 | A ≤0.003 | AD

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

Power Milling Chuck
强力铣刀柄

A ≤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

NEW

A ≤0.005

AD

Size	d	D1	L	H
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	20	52	75	90
SK40-CT20SA-90 GOST	20	52	90	80
SK40-CT20SA-105 GOST	20	52	105	80
SK40-CT20SA-120 GOST	20	52	120	80
SK40-CT25SA-105 GOST	25	61	105	80
SK40-CT25SA-135 GOST	25	61	135	80
SK40-CT32SA-105 GOST	32	73	105	85
SK40-CT32SA-120 GOST	32	73	120	85
SK40-CT32SA-135 GOST	32	73	135	120

Power Milling Chuck
强力铣刀柄

NEW

A ≤0.005

AD

Size	d	D1	L	H
SK50-CT16SA-90 GOST	16	45	90	65
SK50-CT16SA-105 GOST	16	45	105	65
SK50-CT16SA-135 GOST	16	45	135	65
SK50-CT20SA-90 GOST	20	52	90	80
SK50-CT20SA-105 GOST	20	52	105	80
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
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
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

Face Mill Holder
面铣刀柄

DIN6357 | A ≤0.005 | AD

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

Face Mill Holder
面铣刀柄

DIN6357 | A ≤0.005 | AD

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

DIN6358 | A ≤0.005

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

End Mill Holder Weldon
侧固刀柄

DIN6359/1835B | A ≤0.005 | AD

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
带扁尾莫氏刀柄

DIN6383 | A ↗ ≤0.005

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
带螺纹孔莫氏刀柄

DIN6364 | A ↗ ≤0.005

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

GOST

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

BRIGHT-TOOLS

VDI

TOOL HOLDERS

BRIGHT-TOOLS

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 TOOLING SYSTEM
VDI 工具系统

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

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

BRIGHT-TOOLS

VDI Coolant

TOOL HOLDERS

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

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°

VDI

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°

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	a
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°

VDI

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	a
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°

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°

VDI

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°

VDI

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

VDI

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

BRIGHT-TOOLS

BMT

TOOL HOLDERS

BRIGHT-TOOLS

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

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

BRIGHT-TOOLS

DRIVEN

TOOL HOLDERS

DIN 1809

VDI	A	B	C	D	E
30	62	45	8	12	6
40	72	53	10	18	8
50	91	78	13	24	13

DIN 5480

VDI	A	B	D	Z
30	67	55	15.8	18
40	75	63	19.8	24
50	93	78	23.8	18

DIN 5482

VDI	A	B	D	E	Z
30	55	45	14.5	B15×12	8
40	63	53	16.5	B17×14	9
50	93	78	19.5	B20×17	11

TOEM BARUFFALDI

VDI	A	B	D	Z
30	59	45/53	24	6
40	68	53	32	8
50	84	70	40	8

HAAS

VDI	A	B	D	Z	TIPE
40	104.85	63	30.2	4	1
40	117.55	63	30.2	4	2
40	130.25	63	30.2	4	3

DRIVEN TOOLING SYSTEM
DRIVEN 工具系统

DIN1809 DA DRIVEN HEAD.....L.06
轴向钻铣动力刀座
DIN1809 DR DRIVEN HEAD.....L.07
径向钻铣动力刀座
DIN1809 DA DRIVEN HEAD L.08
轴向钻铣动力刀座
DIN1809 DR DRIVEN HEAD L.08
径向钻铣动力刀座
DIN1809 DOA DRIVEN HEAD.....L.09
轴向偏心钻铣动力刀座
DIN1809 DOR DRIVEN HEAD.....L.09
径向偏心钻铣动力刀座
DIN5480 DA DRIVEN HEAD.....L.10
轴向钻铣动力刀座
DIN5480 DR DRIVEN HEAD.....L.10
径向钻铣动力刀座 L.10
DIN5480 DOA DRIVEN HEAD.....L.11
轴向偏心钻铣动力刀座
DIN5480 DOR DRIVEN HEAD L.11
径向偏心钻铣动力刀座
DIN5482 DA DRIVEN HEAD.....L.12
轴向钻铣动力刀座
DIN5482 DR DRIVEN HEAD L.12
径向钻铣动力刀座
DIN5482 DOA DRIVEN HEAD L.13
轴向偏心钻铣动力刀座
DIN5482 DOR DRIVEN HEAD L.13
径向偏心钻铣动力刀座
TOEM BARUFFALDI DA DRIVEN HEAD.....L.14
轴向钻铣动力刀座
TOEM BARUFFALDI DA DRIVEN HEAD.....L.14
径向钻铣动力刀座
TOEM BARUFFALDI DA DRIVEN HEAD.....L.15
轴向偏心钻铣动力刀座
DTOEM BARUFFALDI DA DRIVEN HEAD.....L.15
径向偏心钻铣动力刀座
STEPPED HAASDA DRIVEN HEAD.....L.16
轴向钻铣动力刀座
STEPPED HAASDA DRIVEN HEAD.....L.17
径向钻铣动力刀座
STEPPED HAAS DOA DRIVEN HEAD.....L.18
轴向偏心钻铣动力刀座
STEPPED HAAS DOR DRIVEN HEAD.....L.18
径向偏心钻铣动力刀座

BMT Axial Driven Head, DIN 1809
轴向钻铣动力刀座

DIN1809

RPM
6000

Size	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q
BMT45E-DAER25-75 DIN1809	73.1	75	75	45	46.5	42	ER25	58	58	8.5	6	14	60	74.5	M8
BMT55E-DAER25-78 DIN1809	76.7	85	85	55	48.8	42	ER25	64	64	11	8	20	75	104.2	M10
BMT65E-DAER32-78 DIN1809	76.6	94	94	65	43.8	50	ER32	73	70	14	10	20	83	112	M12
BMT75-DAER40-78 DIN1809	78	112	112	75	30	63	ER40	90	90	15	14	23	80	110	M12
BMT85-DAER50-108 DIN1809	108	125	125	85	44	78	ER50	100	100	20	16	27.5	96	136	M12

BMT Radial Driven Head, DIN 1809

径向钻铣动力刀座

DIN1809	RPM
	4000

Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
BMT45E-DRER25-65 DIN1809	65	75	87.6	45	26.6	50	99	42	ER25	58	58	8.5	6	14	60	84	M8
BMT55-DRER25-60 DIN1809	60	85	78.5	55	27.5	50	86	42	ER25	64	64	10	8	17	75	103.5	M10
BMT55E-DRER25-70 DIN1809	70	85	92.2	55	27.1	64.2	108	42	ER25	64	64	10	8	20	75	103	M10
BMT55-DRER25-85 DIN1809	85	85	78.5	55	27.5	50	86	42	ER25	64	64	10	8	17	75	103.5	M10
BMT65E-DRER32-72 DIN1809	72	94	108.3	65	38.3	66	110	50	ER32	73	70	14	10	18	83	112	M12
BMT65-DRER32-100 DIN1809	100	94	92	65	36	54.5	136	50	ER32	73	70	14	10	20	81	111.5	M12
BMT75-DRER40-60 DIN1809	60	112	104	75	41	65	105	63	ER40	90	90	15	14	23	80	110	M12
BMT75-DRER40-90 DIN1809	90	112	104	75	41	65	135	63	ER40	90	90	15	14	23	80	110	M12
BMT75-DRER40-125 DIN1809	125	112	104	75	41	65	170	63	ER40	90	90	15	14	23	80	110	M12
BMT85-DRER40-110 DIN1809	110	125	134.8	85	54.3	75.5	160	78	ER50	100	100	20	16	27.5	96	136	M12

VDI Axial Driven Head, DIN 1809
轴向钻铣动力刀座

	RPM	I (rev.)
DIN1809	6000	1:1

Size	VDI	Collet	F	L	W	W1	Nm	Internal Cooling
VDI30-DAER25-87 DIN1809	30	ER25	87	45	64	68	28	no
VDI30-DAER25K-87 DIN1809	30	ER25	87	45	64	68	28	yes
VDI40-DAER25-105 DIN1809	40	ER25	105	53	80	86	50	no
VDI40-DAER25K-105 DIN1809	40	ER25	105	53	80	86	50	yes
VDI40-DAER32-108 DIN1809	40	ER32	108	53	80	86	50	no
VDI40-DAER32K-108 DIN1809	40	ER32	108	53	80	86	50	yes
VDI40-DAER32-95 DIN1809	40	ER32	95	53	80	86	50	no
VDI40-DAER32K-95 DIN1809	40	ER32	95	53	80	86	50	yes

VDI Radial Driven Head, DIN 1809
径向钻铣动力刀座

	RPM	I (rev.)
DIN1809	6000	1:1

Size	VDI	Collet	A	B	F	L	P	T	W	Nm	Internal Cooling	Direction
VDI30-DRER25-55 DIN1809	30	ER25	55	48	63	45	48	29	64	28	no	right
VDI30-DRER25K-55 DIN1809	30	ER25	55	51	63	45	48	29	64	28	yes	right
VDI40-DRER25-80 DIN1809	40	ER25	80	59	70	53	71	36	75	50	no	right
VDI40-DRER25K-80 DIN1809	40	ER25	80	62	70	53	71	36	75	50	yes	right
VDI40-DRER32-80 DIN1809	40	ER32	80	59	74	53	71	36	75	50	no	right
VDI40-DRER32K-80 DIN1809	40	ER32	80	62	74	53	71	36	75	50	yes	right
VDI40-DRER25-100 DIN1809	40	ER25	100	59	70	53	-	36	75	50	no	left
VDI40-DRER25K-100 DIN1809	40	ER25	100	62	70	53	-	36	75	50	yes	left
VDI40-DRER32-100 DIN1809	40	ER32	100	59	74	53	-	36	75	50	no	left
VDI40-DRER32K-100 DIN1809	40	ER32	100	62	74	53	-	36	75	50	yes	left

VDI Axial Driven Head, Offset, DIN 1809
轴向偏心钻铣动力刀座

DIN1809	RPM	I (rev.)
	12000	1:2

Size	VDI	Collet	A	B	F	L	P	T	W	Nm	Cooling
VDI30-DOAER25-50-106 DIN1809	30	ER25	50	40	106	45	48	90	78	14	EXT

VDI Radial Driven Head, Offset, DIN 1809
径向偏心钻铣动力刀座

DIN1809	I (rev.)
	1:1

Size	VDI	Collet	A	B	F	L	P	T	W	Nm	RPM	Cooling
VDI30-DORER25-75-40 DIN1809	30	ER25	75	71	40	45	48	101	64	28	6000	no
VDI30-DORER25K-75-40 DIN1809	30	ER25	75	74	40	45	48	101	64	28	6000	yes
VDI40-DORER25-120-37 DIN1809	40	ER25	120	92	37	53	71	120	75	60	4000	no
VDI40-DORER25K-120-37 DIN1809	40	ER25	120	95	37	53	71	120	75	60	4000	yes
VDI40-DORER32-120-41 DIN1809	40	ER32	120	92	41	53	71	120	75	60	4000	no
VDI40-DORER32K-120-41 DIN1809	40	ER32	120	95	41	53	71	120	75	60	4000	yes

VDI Axial Driven Head, DIN 5480
轴向钻铣动力刀座

	RPM	I (rev.)
DIN5480	6000	1:1

Size	VDI	Collet	F	L	W	W1	Nm	Internal Cooling
VDI30-DAER25-87 DIN5480	30	ER25	87	55	62	69	28	no
VDI30-DAER25K-87 DIN5480	30	ER25	87	55	62	69	28	yes
VDI40-DAER25-105 DIN5480	40	ER25	105	63	76	94	50	no
VDI40-DAER25K-105 DIN5480	40	ER25	105	63	76	94	50	yes
VDI40-DAER32-108 DIN5480	40	ER32	108	63	76	94	50	no
VDI40-DAER32K-108 DIN5480	40	ER32	108	63	76	94	50	yes

VDI Radial Driven Head, DIN 5480
径向钻铣动力刀座

	RPM	I (rev.)
DIN5480	6000	1:1

Size	VDI	Collet	A	B	F	L	P	T	W	Nm	Internal Cooling	Direction
VDI30-DRER25-55 DIN5480	30	ER25	55	48	63	55	56	26	64	28	no	right
VDI30-DRER25K-55 DIN5480	30	ER25	55	51	63	55	56	26	64	28	yes	right
VDI30-DRER25-85 DIN5480	30	ER25	85	48	63	55	56	26	64	28	no	right
VDI30-DRER25K-85 DIN5480	30	ER25	85	51	63	55	56	26	64	28	yes	right
VDI30-DRER25-100 DIN5480	30	ER25	100	48	63	55	56	29	64	28	no	right
VDI30-DRER25K-100 DIN5480	30	ER25	100	51	63	55	56	29	64	28	yes	right
VDI40-DRER25-80 DIN5480	40	ER25	80	59	70	63	65	33	75	50	no	right
VDI40-DRER25K-80 DIN5480	40	ER25	80	62	70	63	65	33	75	50	yes	right
VDI40-DRER25-100 DIN5480	40	ER25	100	59	70	63	65	33	75	50	no	right
VDI40-DRER25K-100 DIN5480	40	ER25	100	62	70	63	65	33	75	50	yes	right
VDI40-DRER32-80 DIN5480	40	ER32	80	59	74	63	65	33	75	50	no	right
VDI40-DRER32K-80 DIN5480	40	ER32	80	62	74	63	65	33	75	50	yes	right
VDI40-DRER32-100 DIN5480	40	ER32	100	59	74	63	65	33	75	50	no	right
VDI40-DRER32K-100 DIN5480	40	ER32	100	62	74	63	65	33	75	50	yes	right

VDI Axial Driven Head, Offset, DIN 5480
轴向偏心钻铣动力刀座

	RPM	I (rev.)
DIN5480	12000	1:2

Size	VDI	Collet	A	B	F	L	P	T	W	Nm	Cooling
VDI30-DOAER25-50-102 DIN5480	30	ER25	50	47	102	55	56	90	78	14	EXT

VDI Radial Driven Head, Offset, DIN 5480
径向偏心钻铣动力刀座

	RPM	I (rev.)
DIN5480	6000	1:1

Size	VDI	Collet	A	B	F	L	P	T	W	Nm	Cooling
VDI30-DORER25-75-39.8 DIN5480	30	ER25	75	71	39.8	55	56	101	64	28	EXT
VDI30-DORER25K-75-39.8 DIN5480	30	ER25	75	73.5	39.8	55	56	101	64	28	EXT+INT
VDI40-DORER25-120-36.6 DIN5480	40	ER25	120	92.2	36.6	63	65	153	75	50	EXT
VDI40-DORER25K-120-36.6 DIN5480	40	ER25	120	95.2	36.6	63	65	153	75	50	EXT+INT
VDI40-DORER32-120-40.6 DIN5480	40	ER32	120	92.2	40.6	63	65	153	75	50	EXT
VDI40-DORER32K-120-40.6 DIN5480	40	ER32	120	95.2	40.6	63	65	153	75	50	EXT+INT

VDI Axial Driven Head, DIN 5482
轴向钻铣动力刀座

	RPM	I (rev.)
DIN5482	6000	1:1

Size	VDI	Collet	F	L	W	W1	Nm	Internal Cooling
VDI30-DAER25-87 DIN5482	30	ER25	87	45	62	69	28	no
VDI30-DAER25K-87 DIN5482	30	ER25	87	45	62	69	28	yes
VDI40-DAER25-105 DIN5482	40	ER25	105	53	76	94	50	no
VDI40-DAER25K-105 DIN5482	40	ER25	105	53	76	94	50	yes
VDI40-DAER32-108 DIN5482	40	ER32	108	53	76	94	50	no
VDI40-DAER32K-108 DIN5482	40	ER32	108	53	76	94	50	yes

VDI Radial Driven Head, DIN 5482
径向钻铣动力刀座

	RPM	I (rev.)
DIN5482	6000	1:1

Size	VDI	Collet	A	B	F	L	P	T	W	Nm	Internal Cooling	Direction
VDI30-DRER25-55 DIN5482	30	ER25	55	48	63	45	48	26	64	28	no	right
VDI30-DRER25K-55 DIN5482	30	ER25	55	51	63	45	48	26	64	28	yes	right
VDI40-DRER25-80 DIN5482	40	ER25	80	59	70	53	71	33	75	50	no	right
VDI40-DRER25K-80 DIN5482	40	ER25	80	62	70	53	71	33	75	50	yes	right
VDI40-DRER32-80 DIN5482	40	ER32	80	59	74	53	71	33	75	50	no	right
VDI40-DRER32K-80 DIN5482	40	ER32	80	62	74	53	71	33	75	50	yes	right

VDI Axial Driven Head, Offset, DIN 5482
轴向偏心钻铣动力刀座

	RPM	I (rev.)
DIN5482	12000	1:2

Size	VDI	Collet	A	B	F	L	P	T	W	Nm	Cooling
VDI30-DOAER25-50-102 DIN5482	30	ER25	50	40	102	45	48	90	78	14	EXT

VDI Radial Driven Head, Offset, DIN 5482
径向偏心钻铣动力刀座

	I (rev.)
DIN 5482	1:1

Size	VDI	Collet	A	B	F	L	P	T	W	Nm	RPM	Cooling
VDI30-DORER25-75-40 DIN5482	30	ER25	75	71	40	45	48	101	64	28	6000	no
VDI30-DORER25K-75-40 DIN5482	30	ER25	75	74	40	45	48	101	64	28	6000	yes
VDI40-DORER25-120-37 DIN5482	40	ER25	120	92	37	53	71	125.5	75	60	4000	no
VDI40-DORER25K-120-37 DIN5482	40	ER25	120	95	37	53	71	125.5	75	60	4000	yes
VDI40-DORER32-120-41 DIN5482	40	ER32	120	92	41	53	71	125.5	75	60	4000	no
VDI40-DORER32K-120-41 DIN5482	40	ER32	120	95	41	53	71	125.5	75	60	4000	yes

VDI Axial Driven Head, TOEM
轴向钻铣动力刀座

TOEM BARUFFALDI	RPM	I (rev.)
	6000	1:1

Size	VDI	Collet	F	L	W	W1	Nm	Internal Cooling	Z
VDI30-DAER25-87 TOEM	30	ER25	87	45	64	68	28	no	6
VDI30-DAER25K-87 TOEM	30	ER25	87	45	64	68	28	yes	6
VDI40-DAER25-105 TOEM	40	ER25	105	53	80	86	50	no	8
VDI40-DAER25K-105 TOEM	40	ER25	105	53	80	86	50	yes	8
VDI40-DAER32-108 TOEM	40	ER32	108	53	80	86	50	no	8
VDI40-DAER32K-108 TOEM	40	ER32	108	53	80	86	50	yes	8

VDI Radial Driven Head, TOEM
径向钻铣动力刀座

TOEM BARUFFALDI	RPM	I (rev.)
	6000	1:1

Size	VDI	Collet	A	B	F	L	P	T	W	Nm	Internal Cooling	Direction	Z
VDI30-DRER25-55 TOEM	30	ER25	55	48	63	45	48	29	64	28	no	right	6
VDI30-DRER25K-55 TOEM	30	ER25	55	51	63	45	48	29	64	28	yes	right	6
VDI40-DRER25-80 TOEM	40	ER25	80	59	70	53	71	36	75	50	no	right	8
VDI40-DRER25K-80 TOEM	40	ER25	80	62	70	53	71	36	75	50	yes	right	8
VDI40-DRER32-80 TOEM	40	ER32	80	59	74	53	71	36	75	50	no	right	8
VDI40-DRER32K-80 TOEM	40	ER32	80	62	74	53	71	36	75	50	yes	right	8

VDI Axial Driven Head, Offset, TOEM
轴向偏心钻铣动力刀座

TOEM BARUFFALDI	RPM	I (rev.)
	12000	1:2

Size	VDI	Collet	A	B	F	L	P	T	W	Nm	Cooling	Z
VDI30-DOAER25-50-106 TOEM	30	ER25	50	40	106	45	48	90	78	14	EXT	6

VDI Radial Driven Head, Offset, TOEM
径向偏心钻铣动力刀座

TOEM BARUFFALDI	RPM	I (rev.)
	6000	1:1

Size	VDI	Collet	A	B	F	L	P	T	W	Nm	Cooling	Z
VDI30-DORER25-75-40 TOEM	30	ER25	75	71	40	45	48	101	64	28	no	6
VDI30-DORER25K-75-40 TOEM	30	ER25	75	74	40	45	48	101	64	28	yes	6
VDI40-DORER25-120-37 TOEM	40	ER25	120	92	37	53	71	120	75	60	no	-
VDI40-DORER25K-120-37 TOEM	40	ER25	120	95	37	53	71	120	75	60	yes	-
VDI40-DORER32-120-41 TOEM	40	ER32	120	92	41	53	71	120	75	60	no	-
VDI40-DORER32K-120-41 TOEM	40	ER32	120	95	41	53	71	120	75	60	yes	-

VDI Axial Driven Head, STEPPED HAAS
轴向钻铣动力刀座

	RPM	I (rev.)
STEPPED HAAS	6000	1:1

Size	VDI	Collet	F	L	L1	W	W1	Nm	Internal Cooling
VDI40-DAER25-105 HAAS	40	ER25	105	63	104.85	76	94	50	no
VDI40-DAER25K-105 HAAS	40	ER25	105	63	104.85	76	94	50	yes
VDI40-DAER32-108 HAAS	40	ER32	108	63	104.85	76	94	50	no
VDI40-DAER32K-108 HAAS	40	ER32	108	63	104.85	76	94	50	yes
VDI40-DAER25-105L HAAS	40	ER25	105	63	117.55	76	94	50	no
VDI40-DAER25K-105L HAAS	40	ER25	105	63	117.55	76	94	50	yes
VDI40-DAER32-108L HAAS	40	ER32	108	63	117.55	76	94	50	no
VDI40-DAER32K-108L HAAS	40	ER32	108	63	117.55	76	94	50	yes
VDI40-DAER25-105EL HAAS	40	ER25	105	63	130.25	76	94	50	no
VDI40-DAER25K-105EL HAAS	40	ER25	105	63	130.25	76	94	50	yes
VDI40-DAER32-108EL HAAS	40	ER32	108	63	130.25	76	94	50	no
VDI40-DAER32K-108EL HAAS	40	ER32	108	63	130.25	76	94	50	yes

VDI Radial Driven Head, STEPPED HAAS
径向钻铣动力刀座

STEPPED HAAS	RPM	I (rev.)
	6000	1:1

Size	VDI	Collet	A	B	F	L	L1	P	T	W	Nm	Internal Cooling	Direction
VDI40-DRER25-69 HAAS	40	ER25	69	59	70	63	104.85	82	36	75	60	no	left
VDI40-DRER25K-69 HAAS	40	ER25	69	62	70	63	104.85	82	36	75	50	yes	left
VDI40-DRER32-69 HAAS	40	ER32	69	59	74	63	104.85	82	36	75	50	no	left
VDI40-DRER32K-69 HAAS	40	ER32	69	62	74	63	104.85	82	36	75	50	yes	left
VDI40-DRER25-69L HAAS	40	ER25	69	59	70	63	117.55	82	36	75	50	no	left
VDI40-DRER25K-69L HAAS	40	ER25	69	62	70	63	117.55	82	36	75	50	yes	left
VDI40-DRER32-69L HAAS	40	ER32	69	59	74	63	117.55	82	36	75	50	no	left
VDI40-DRER32K-69L HAAS	40	ER32	69	62	74	63	117.55	82	36	75	50	yes	left
VDI40-DRER25-69EL HAAS	40	ER32	69	59	70	63	130.25	82	36	75	50	no	left
VDI40-DRER25K-69EL HAAS	40	ER25	69	62	70	63	130.25	82	36	75	50	yes	left
VDI40-DRER32-69EL HAAS	40	ER25	69	59	74	63	130.25	82	36	75	50	no	left
VDI40-DRER32K-69EL HAAS	40	ER32	69	62	74	63	130.25	82	36	75	50	yes	left
VDI40-DRER25-80 HAAS	40	ER25	80	59	70	63	104.85	82	33	75	50	no	left
VDI40-DRER25K-80 HAAS	40	ER25	80	62	70	63	104.85	82	33	75	50	yes	left
VDI40-DRER32-80 HAAS	40	ER32	80	59	74	63	104.85	82	33	75	50	no	left
VDI40-DRER32K-80 HAAS	40	ER32	80	62	74	63	104.85	82	33	75	50	yes	left
VDI40-DRER25-80L HAAS	40	ER25	80	59	70	63	117.55	82	33	75	50	no	left
VDI40-DRER25K-80L HAAS	40	ER25	80	62	70	63	117.55	82	33	75	50	yes	left
VDI40-DRER32-80L HAAS	40	ER32	80	59	74	63	117.55	82	33	75	50	no	left
VDI40-DRER32K-80L HAAS	40	ER32	80	62	74	63	117.55	82	33	75	50	yes	left
VDI40-DRER25-80EL HAAS	40	ER25	80	59	70	63	130.25	82	33	75	50	no	left
VDI40-DRER25K-80EL HAAS	40	ER25	80	62	70	63	130.25	82	33	75	50	yes	left
VDI40-DRER32-80EL HAAS	40	ER32	80	59	74	63	130.25	82	33	75	50	no	left
VDI40-DRER32K-80EL HAAS	40	ER32	80	62	74	63	130.25	82	33	75	50	yes	left

VDI Axial Driven Head, Offset, STEPPED HAAS
轴向偏心钻铣动力刀座

STEPPED HAAS

Size	VDI	Collet	A	F	L	L1	P	T	W	Cooling	Direction
VDI40-DOAER25-50-63 HAAS	40	ER25	50	106	63	140.85	82	90	78	no	left
VDI40-DOAER25K-50-63 HAAS	40	ER25	50	106	63	140.85	82	90	78	yes	left
VDI40-DOAER25-50-63L HAAS	40	ER25	50	106	63	117.55	82	90	78	no	left
VDI40-DOAER25K-50-63L HAAS	40	ER25	50	106	63	117.55	82	90	78	yes	left
VDI40-DOAER25-50-63EL HAAS	40	ER25	50	106	63	130.25	82	90	78	no	left
VDI40-DOAER25K-50-63EL HAAS	40	ER25	50	106	63	130.25	82	90	78	yes	left

VDI Radial Driven Head, Offset, STEPPED HAAS
径向偏心钻铣动力刀座

STEPPED HAAS

Size	VDI	Collet	A	B	F	L	L1	P	T	W	Cooling	Direction
VDI40-DORER25-120-37 HAAS	40	ER25	120	92	37	63	104.85	82	33	75	no	left
VDI40-DORER25K-120-37 HAAS	40	ER25	120	95	37	63	104.85	82	33	75	yes	left
VDI40-DORER32-120-37 HAAS	40	ER32	120	92	41	63	104.85	82	33	75	no	left
VDI40-DORER32K-120-37 HAAS	40	ER32	120	95	41	63	104.85	82	33	75	yes	left
VDI40-DORER25-120-37L HAAS	40	ER25	120	92	37	63	117.55	82	33	75	no	left
VDI40-DORER25K-120-37L HAAS	40	ER25	120	95	37	63	117.55	82	33	75	yes	left
VDI40-DORER32-120-37L HAAS	40	ER32	120	92	41	63	117.55	82	33	75	no	left
VDI40-DORER32K-120-37L HAAS	40	ER32	120	95	41	63	117.55	82	33	75	yes	left
VDI40-DORER25-120-37EL HAAS	40	ER25	120	92	37	63	130.25	82	33	75	no	left
VDI40-DORER25K-120-37EL HAAS	40	ER25	120	95	37	63	130.25	82	33	75	yes	left
VDI40-DORER32-120-37EL HAAS	40	ER32	120	92	41	63	130.25	82	33	75	no	left
VDI40-DORER32K-120-37EL HAAS	40	ER32	120	95	41	63	130.25	82	33	75	yes	left

BRIGHT-TOOLS

BORING

BORING TOOLS

DCK Boring Tool Holder
DCK 镗刀柄

Bridge Boring Tool Holder
桥镗刀柄

NBH Boring Tool Holder
NBH 镗刀柄

BORING TOOLING SYSTEM
BORING 工具系统

BT Boring Tool Holder.....M.05
BT 镗刀柄
BBT Boring Tool Holder M.08
BBT 镗刀柄
SK Boring Tool Holder M.09
SK 镗刀柄
HSK Boring Tool Holder.....M.11
HSK 镗刀柄
BT Bridge Boring Tool Holder.....M.14
BT 桥镗刀柄
SK Bridge Boring Tool Holder.....M.14
SK 桥镗刀柄
HSK Bridge Boring Tool Holder.....M.15
HSK 桥镗刀柄
NBH Boring Tool Holder.....M.16
HSK 桥镗刀柄
Boring Tool Holder Extension.....M.17
DCK 刀柄延长器
Boring Tool Holder Reducer.....M.18
DCK 刀柄减径套
Fine Boring Head.....M.19
精镗头
Twin Cutter Rough Boring Head M.20
双刃粗镗刀
Bridge Fine Boring Head M.22
桥式精镗刀
Bridge Roring Boring Head M.23
桥式双刃粗镗刀
OD Turning Holders M.25
外镗
Small Fine Boring Head M.26
精镗小刀夹
Fine Boring Unit M.27
精镗单元
NBJ16 Fine boring head with small bore M.28
小孔径精镗头
NBJ16 Micro-Boring Bar M.28
微调精密镗头刀杆
NBJ16 Micro-boring Tool Kit.....M.29
微调精镗套装组合
NBH2084 Micro-boring Head.....M.30
微调精密镗头
NBJ20 Micro-Boring Bar.....M.30
微调精密镗头刀杆
NBJ20 Micro-boring Tool Kit.....M.31
微调精镗套装组合
DCK5-FB50P Micro-nishing Boring Kit.....M.32
极细微调精镗孔系统
DCK6-FB63P Micro-nishing Boring Kit.....M.33
极细微调精镗孔系统
Boring Tool Holder Set.....M.34
镗刀柄套装

Boring Tool Holder
镗刀柄

A ↗	RPM	AD
≤0.003	G6.3/15000	

Size	DCK No.	D	d	L	L2	d1
BT30-DCK1-55	DCK1	19	11	55	-	-
BT30-DCK1-70	DCK1	19	11	70	-	-
BT30-DCK2-80	DCK2	24	14	80	-	-
BT30-DCK3-80	DCK3	31	18	80	-	-
BT30-DCK4-70	DCK4	39	22	70	-	-
BT30-DCK5-70	DCK5	50	28	70	-	-
BT30-DCK6-70	DCK6	64	36	70	-	-
BT40-DCK1-70	DCK1	19	11	70	-	-
BT40-DCK1-100T	DCK1	19	11	100	60	20.7
BT40-DCK1-130T	DCK1	19	11	130	60	25.9
BT40-DCK2-75	DCK2	24	14	75	-	-
BT40-DCK2-100	DCK2	24	14	100	-	-
BT40-DCK2-130T	DCK2	24	14	130	65	30
BT40-DCK2-160T	DCK2	24	14	160	75	33.6
BT40-DCK3-80	DCK3	31	18	80	-	-
BT40-DCK3-100	DCK3	31	18	100	-	-
BT40-DCK3-135T	DCK3	31	18	135	75	34.5
BT40-DCK3-165T	DCK3	31	18	165	85	39.7
BT40-DCK4-70	DCK4	39	22	70	-	-
BT40-DCK4-100	DCK4	39	22	100	-	-
BT40-DCK4-150T	DCK4	39	22	150	85	43.4
BT40-DCK4-170T	DCK4	39	22	170	95	46.9
BT40-DCK5-80	DCK5	50	28	80	-	-
BT40-DCK5-100	DCK5	50	28	100	-	-
BT40-DCK5-150	DCK5	50	28	150	-	-
BT40-DCK5-180	DCK5	50	28	180	-	-
BT40-DCK6-60	DCK6	64	36	60	-	-
BT40-DCK6-100	DCK6	64	36	100	-	-
BT40-DCK6-150	DCK6	64	36	150	-	-
BT40-DCK6-180	DCK6	64	36	180	-	-

T refers to cutter side with taper design

T 代表刀具端锥柄设计

Boring Tool Holder
镗刀柄

A ↗	RPM	AD
≤0.003	G6.3/15000	

Size	DCK No.	D	d	L	L2	d1
BT50-DCK1-80	DCK1	19	11	80	-	-
BT50-DCK1-115T	DCK1	19	11	115	50	22.2
BT50-DCK1-145T	DCK1	19	11	145	60	26
BT50-DCK2-80	DCK2	24	14	80	-	-
BT50-DCK2-105	DCK2	24	14	105		
BT50-DCK2-135T	DCK2	24	14	135	65	26.6
BT50-DCK2-165T	DCK2	24	14	165	75	31.9
BT50-DCK3-85	DCK3	31	18	85	-	-
BT50-DCK3-110	DCK3	31	18	110	-	-
BT50-DCK3-140T	DCK3	31	18	140	75	34.2
BT50-DCK3-170T	DCK3	31	18	170	85	38
BT50-DCK4-100	DCK4	39	22	100	-	-
BT50-DCK4-160T	DCK4	39	22	160	85	42.5
BT50-DCK4-205T	DCK4	39	22	205	95	50
BT50-DCK5-90	DCK5	50	28	90	-	-
BT50-DCK5-165	DCK5	50	28	165	-	-
BT50-DCK5-210T	DCK5	50	28	210	120	57.8
BT50-DCK5-270T	DCK5	50	28	270	120	68.4
BT50-DCK6-85	DCK6	64	36	85	-	-
BT50-DCK6-155	DCK6	64	36	155	-	-
BT50-DCK6-215	DCK6	64	36	215	-	-
BT50-DCK6-250	DCK6	64	36	250	-	-
BT50-DCK6-300T	DCK6	64	36	300	160	80.5
BT50-DCK6-350T	DCK6	64	36	350	160	90
BT50-DCK7-85	DCK7	90	46	85	-	-
BT50-DCK7-100	DCK7	90	46	100	-	-
BT50-DCK7-150	DCK7	90	46	150	-	-
BT50-DCK7-210	DCK7	90	46	210	-	-
BT50-DCK7-250	DCK7	90	46	250	-	-
BT50-DCK7-300	DCK7	90	46	300	-	-
BT50-DCK7-350	DCK7	90	46	350	-	-

T refers to cutter side with taper design

T 代表刀具端锥柄设计

Boring Tool Holder
镗刀柄

A ↗	RPM	💧
≤0.003	G6.3/15000	AD

Size	DCK No.	D	d	L	L2	d1
BBT40-DCK1-70	DCK1	19	11	70	-	-
BBT40-DCK1-100T	DCK1	19	11	100	60	20.7
BBT40-DCK2-75	DCK2	24	14	80	-	-
BBT40-DCK2-100	DCK2	24	14	100	-	-
BBT40-DCK2-160T	DCK2	24	14	160	75	33.6
BBT40-DCK3-80	DCK3	31	18	80	-	-
BBT40-DCK3-100	DCK3	31	18	100	-	-
BBT40-DCK3-165T	DCK3	31	18	165	85	39.7
BBT40-DCK4-70	DCK4	39	22	70	-	-
BBT40-DCK4-100	DCK4	39	22	100	-	-
BBT40-DCK4-150T	DCK4	39	22	150	85	43.4
BBT40-DCK5-80	DCK5	50	28	80	-	-
BBT40-DCK5-100	DCK5	50	28	100	-	-
BBT40-DCK5-150	DCK5	50	28	150	-	-
BBT40-DCK5-180	DCK5	50	28	180	-	-
BBT40-DCK6-60	DCK6	64	36	60	-	-
BBT40-DCK6-100	DCK6	64	36	100	-	-
BBT40-DCK6-150	DCK6	64	36	150	-	-
BBT40-DCK6-180	DCK6	64	36	180	-	-

T refers to cutter side with taper design

T 代表刀具端锥柄设计

Boring Tool Holder
镗刀柄

A ↗	RPM	💧
≤0.003	G6.3/15000	AD

Size	DCK No.	D	d	L	L2	d1
SK30-DCK1-70	DCK1	19	11	70	-	-
SK30-DCK2-70	DCK2	24	14	70	-	-
SK30-DCK3-70	DCK3	31	18	70	-	-
SK30-DCK4-70	DCK4	39	22	70	-	-
SK30-DCK5-70	DCK5	50	28	70	-	-
SK30-DCK6-80	DCK6	64	36	80	-	-
SK40-DCK1-70	DCK1	19	11	70	-	-
SK40-DCK1-100T	DCK1	19	11	100	60	23.5
SK40-DCK2-70	DCK2	24	14	70	-	-
SK40-DCK2-100	DCK2	24	14	100	-	-
SK40-DCK2-130T	DCK2	24	14	130	75	31.1
SK40-DCK2-160T	DCK2	24	14	160	75	34.6
SK40-DCK3-80	DCK3	31	18	80	-	-
SK40-DCK3-100	DCK3	31	18	100	-	-
SK40-DCK3-130T	DCK3	31	18	130	85	31.6
SK40-DCK3-160T	DCK3	31	18	160	85	41.4
SK40-DCK4-70	DCK4	39	22	70	-	-
SK40-DCK4-100	DCK4	39	22	100	-	-
SK40-DCK4-150T	DCK4	39	22	150	95	46.8
SK40-DCK5-80	DCK5	50	28	50	-	-
SK40-DCK5-100	DCK5	50	28	100	-	-
SK40-DCK5-150	DCK5	50	28	150	-	-
SK40-DCK5-180	DCK5	50	28	180	-	-
SK40-DCK6-90	DCK6	64	36	90	-	-
SK40-DCK6-150	DCK6	64	36	150	-	-
SK40-DCK6-180	DCK6	64	36	180	-	-
SK40-DCK7-100	DCK7	90	46	100	-	-

T refers to cutter side with taper design

T 代表刀具端锥柄设计

Boring Tool Holder
镗刀柄

A ↗	RPM	💧
≤0.003	G6.3/15000	AD

Size	DCK No.	D	d	L	L2	d1
SK50-DCK1-80	DCK1	19	11	80	-	-
SK50-DCK1-115	DCK1	19	11	115	60	25.8
SK50-DCK1-115	DCK1	19	11	145	60	29.3
SK50-DCK2-80	DCK2	24	14	80	-	-
SK50-DCK2-105	DCK2	24	14	105	-	-
SK50-DCK2-135T	DCK2	24	14	135	75	31.7
SK50-DCK2-165T	DCK2	24	14	165	75	35.2
SK50-DCK3-85	DCK3	31	18	85	-	-
SK50-DCK3-110	DCK3	31	18	110	-	-
SK50-DCK3-140T	DCK3	31	18	140	85	37.8
SK50-DCK3-170T	DCK3	31	18	170	85	41.3
SK50-DCK4-70	DCK4	39	22	70	-	-
SK50-DCK4-100	DCK4	39	22	100	-	-
SK50-DCK4-160T	DCK4	39	22	160	95	47.5
SK50-DCK4-200T	DCK4	39	22	200	95	53.7
SK50-DCK5-90	DCK5	50	28	90	-	-
SK50-DCK5-160	DCK5	50	28	160	-	-
SK50-DCK5-210T	DCK5	50	28	210	120	61.2
SK50-DCK5-250T	DCK5	50	28	250	120	71.7
SK50-DCK6-90	DCK6	64	36	90	-	-
SK50-DCK6-160	DCK6	64	36	160	-	-
SK50-DCK6-200	DCK6	64	36	200	-	-
SK50-DCK6-250	DCK6	64	36	250	-	-
SK50-DCK6-300T	DCK6	64	36	300	160	75
SK50-DCK7-85	DCK7	90	46	85		
SK50-DCK7-100	DCK7	90	46	100	-	-
SK50-DCK7-150	DCK7	90	46	150	-	-
SK50-DCK7-210	DCK7	90	46	210	-	-
SK50-DCK7-250	DCK7	90	46	250	-	-
SK50-DCK7-300	DCK7	90	46	300	-	-
SK50-DCK7-350	DCK7	90	46	350	-	-

T refers to cutter side with taper design

T 代表刀具端锥柄设计

Boring Tool Holder
镗刀柄

A ↗	RPM	💧
≤0.003	G6.3/15000	AD

Size	DCK No.	D	d	L	L2	d1
HSK40A-DCK1-75	DCK1	19	11	75	-	-
HSK40A-DCK2-85	DCK2	24	14	85	-	-
HSK40A-DCK3-80	DCK3	31	18	80	-	-
HSK40A-DCK4-75	DCK4	39	22	75	-	-
					-	-
HSK50A-DCK1-75	DCK1	19	11	75	-	-
HSK50A-DCK2-85	DCK2	24	14	85	-	-
HSK50A-DCK3-80	DCK3	31	18	80	-	-
HSK50A-DCK4-75	DCK4	39	22	75	-	-
HSK50A-DCK5-85	DCK5	50	28	85	-	-
HSK63A-DCK1-70	DCK1	19	11	70	-	-
HSK63A-DCK1-100T	DCK1	19	11	100	50	21.8
HSK63A-DCK2-75	DCK2	24	14	75	-	-
HSK63A-DCK2-100	DCK2	24	14	100	-	-
HSK63A-DCK2-130T	DCK2	24	14	130	65	31
HSK63A-DCK3-80	DCK3	31	18	80	-	-
HSK63A-DCK3-100	DCK3	31	18	100	-	-
HSK63A-DCK3-135T	DCK3	31	18	135	75	37
HSK63A-DCK3-165T	DCK3	31	18	165	85	41
HSK63A-DCK4-70	DCK4	39	22	70	-	-
HSK63A-DCK4-100	DCK4	39	22	100	-	-
HSK63A-DCK4-150T	DCK4	39	22	150	95	44
HSK63A-DCK4-170T	DCK4	39	22	170	95	47.5
HSK63A-DCK5-80	DCK5	50	28	80	-	-
HSK63A-DCK5-100	DCK5	50	28	100	-	-
HSK63A-DCK5-150	DCK5	50	28	150	-	-
HSK63A-DCK5-180	DCK5	50	28	180	-	-
HSK63A-DCK6-100	DCK6	64	36	100	-	-
HSK63A-DCK6-150	DCK6	64	36	150	-	-
HSK63A-DCK6-180	DCK6	64	36	180	-	-

T refers to cutter side with taper design

T 代表刀具端锥柄设计

Boring Tool Holder
镗刀柄

A ↗	RPM	💧
≤0.003	G6.3/15000	AD

Size	DCK No.	D	d	L	L2	d1
HSK100A-DCK1-80	DCK1	19	11	80	-	-
HSK100A-DCK1-115T	DCK1	19	11	115	50	24
HSK100A-DCK1-145T	DCK1	19	11	145	60	27.5
HSK100A-DCK2-80	DCK2	24	14	80	-	-
HSK100A-DCK2-105	DCK2	24	14	105	-	-
HSK100A-DCK2-135T	DCK2	24	14	135	65	30
HSK100A-DCK2-165T	DCK2	24	14	165	75	33.5
HSK100A-DCK2-85	DCK3	31	18	85	-	-
HSK100A-DCK3-110	DCK3	31	18	110	-	-
HSK100A-DCK3-140T	DCK3	31	18	140	75	35.5
HSK100A-DCK3-170T	DCK3	31	18	170	85	41
HSK100A-DCK4-100	DCK4	39	22	100	-	-
HSK100A-DCK4-160T	DCK4	39	22	160	58	47
HSK100A-DCK4-205T	DCK4	39	22	205	110	50.5
HSK100A-DCK5-90	DCK5	50	28	90	-	-
HSK100A-DCK5-165	DCK5	50	28	165	-	-
HSK100A-DCK5-210T	DCK5	50	28	210	120	61
HSK100A-DCK5-270T	DCK5	50	28	270	130	69.5
HSK100A-DCK6-85	DCK6	64	36	85	-	-
HSK100A-DCK6-155	DCK6	64	36	155	-	-
HSK100A-DCK6-215	DCK6	64	36	215	-	-
HSK100A-DCK6-250	DCK6	64	36	250	-	-
HSK100A-DCK6-300T	DCK6	64	36	300	180	80
HSK100A-DCK7-125	DCK7	90	46	125	-	-
HSK100A-DCK7-200	DCK7	90	46	200	-	-
HSK100A-DCK7-275	DCK7	90	46	275	-	-

Boring Tool Holder
镗刀柄

A ↗	RPM	
≤0.003	G6.3/15000	AD

Size	DCK No.	D	d	L
HSK63F-DCK1-70	DCK1	19	11	70
HSK63F-DCK2-75	DCK2	24	14	75
HSK63F-DCK3-80	DCK3	31	18	80
HSK63F-DCK4-70	DCK4	39	22	70
HSK63F-DCK5-80	DCK5	50	28	80

TOOL HOLDER JIS B 6399

Bridge Boring Tool Holder
BST 桥镗刀柄

Size	D	d	L
BT40-BST-60	95	50	60
BT40-BST-100	95	50	100
BT40-BST-150	95	50	150
BT50-BST-100	95	50	100
BT50-BST-150	95	50	150
BT50-BST-200	95	50	200
BT50-BST-250	95	50	250
BT50-BST-300	95	50	300
BT50-BST-350	95	50	350
BT50-BST-400	95	50	400
BT50-BST-450	95	50	450
BT50-BST-500	95	50	500

Bridge Boring Tool Holder
BST 桥镗刀柄

Size	D	d	L
BBT40-BST-60	95	50	60
BBT40-BST-100	95	50	100
BBT40-BST-150	95	50	150
BBT50-BST-100	95	50	100
BBT50-BST-150	95	50	150
BBT50-BST-200	95	50	200
BBT50-BST-250	95	50	250
BBT50-BST-300	95	50	300
BBT50-BST-350	95	50	350
BBT50-BST-400	95	50	400

TOOL HOLDER DIN 69871

Bridge Boring Tool Holder
BST 桥镗刀柄

Size	D	d	L
SK40-BST-60	95	50	60
SK40-BST-100	95	50	100
SK50-BST-100	95	50	100
SK50-BST-150	95	50	150
SK50-BST-200	95	50	200
SK50-BST-250	95	50	250
SK50-BST-300	95	50	300
SK50-BST-350	95	50	350
SK50-BST-400	95	50	400
SK50-BST-450	95	50	450

Bridge Boring Tool Holder
BST 桥镗刀柄

Size	D	d	L
HSK63A-BST-60	95	50	60
HSK63A-BST-100	95	50	100
HSK100A-BST-100	95	50	100
HSK100A-BST-150	95	50	150
HSK100A-BST-200	95	50	200
HSK100A-BST-250	95	50	250
HSK100A-BST-300	95	50	300

NBH Boring Tool Holder
NBH 镗刀柄

Size	Design	D	L	Wt
BT40-NBH-A50	A	35	50	1.78
BT50-NBH-A50	A	35	50	4.16
BT40-NBH-B100	B	35	100	2.23
BT50-NBH-B100	B	35	100	4.84
BT50-NBH-B165	B	35	165	6.23
BT50-NBH-B200	B	35	200	7.01
BT50-NBH-B250	B	35	250	7.96
BT50-NBH-B300	B	35	300	9.07

Boring Tool Holder Extension
DCK 刀柄延长器

Size	DCK No.	d	D	L
DCK1-1-30	11	11	19	30
DCK1-1-100	11	11	19	100
DCK2-2-30	14	14	24	30
DCK2-2-100	14	14	24	100
DCK2-2-150	14	14	24	150
DCK3-3-30	18	18	31	30
DCK3-3-100	18	18	31	100
DCK3-3-150	18	18	31	150
DCK4-4-45	22	22	39	45
DCK4-4-100	22	22	39	100
DCK4-4-150	22	22	39	150
DCK5-5-60	28	28	50	60
DCK5-5-100	28	28	50	100
DCK5-5-150	28	28	50	150
DCK6-6-60	36	36	64	60
DCK6-6-100	36	36	64	100
DCK6-6-150	36	36	64	150

Usage: connect boring tool holder and boring head, to extend the working depth.
用途：连接镗刀架和镗头，延长工作深度。

Boring Tool Holder Reducer
DCK 刀柄减径套

Size	d1	d2	D1	D2	L	e
DCK2-1-36	14	24	11	19	36	30
DCK3-1-41	18	31	11	19	41	30
DCK3-2-37	18	31	14	24	37	25
DCK4-1-58	22	39	11	19	58	40
DCK4-2-50	22	39	14	24	50	36
DCK4-3-50	22	39	18	31	50	37
DCK5-1-60	28	50	11	19	60	40
DCK5-2-54	28	50	14	24	54	35
DCK5-2-74	28	50	14	24	74	55
DCK5-3-47	28	50	18	31	47	29
DCK5-3-72	28	50	18	31	72	54
DCK5-4-42	28	50	22	39	42	25
DCK5-4-67	28	50	22	39	67	50
DCK6-1-70	36	64	11	19	70	40
DCK6-2-63	36	64	14	24	63	45
DCK6-2-93	36	64	14	24	93	75
DCK6-3-56	36	64	18	31	56	39
DCK6-3-96	36	64	18	31	96	79
DCK6-4-51	36	64	22	39	51	35
DCK6-4-101	36	64	22	39	101	85
DCK6-5-41	36	64	28	50	41	25
DCK6-5-91	36	64	28	50	91	75
DCK7-6-106	46	90	36	64	106	99

Usage: to connect with small size boring head.
用途：用于连接小型镗头。

Fine Boring Head
精镗头

Size	Insert Seat	DCK NO.	R Boring			F Back Boring				Insert
			DC	L	L1	Dc	L2	L3	B	
DCK1-F2036	F1-1	DCK1	20-26	32	30.5	-	10.5	20	10	TP08
	F1-2	DCK1	25-31	32	30.5	30-31	10.5	20	10	TP08
	F1-3	DCK1	30-36	32	30.5	30-36	10.5	20	10	TP08
DCK2-F2547	F2-1	DCK2	25-33	36	33	-	11.5	21.5	12.5	TP08
	F2-2	DCK2	32-40	36	33	36-40	11.5	21.5	12.5	TP08
	F2-3	DCK2	39-47	36	33	39-47	11.5	21.5	12.5	TP08
DCK3-F3260	F3-1	DCK3	32-42	40	37	-	10	27	16	TP08
	F3-2	DCK3	41-51	40	37	46-51	10	27	16	TP08
	F3-3	DCK3	50-60	40	37	50-60	10	27	16	TP08
DCK4-F4174	F4-1	DCK4	41-54	46	43	-	14	29	20	TC11
	F4-2	DCK4	50-63	46	43	53-63	14	29	20	TC11
	F4-3	DCK4	61-74	46	43	61-74	14	29	20	TC11
DCK5-F5395	F5-1	DCK5	53-70	57	52	62-70	19	33	25.5	TC11
	F5-2	DCK5	65-82	57	52	65-82	19	33	25.5	TC11
	F5-3	DCK5	78-95	57	52	78-95	19	33	25.5	TC11
DCK6-F68150	F6-1	DCK6	68-100	71	67	80-100	22	45	32.5	TC11
	F6-2	DCK6	94-126	71	67	94-126	22	45	32.5	TC11
	F6-3	DCK6	118-150	71	67	118-150	22	45	32.5	TC11
DCK6-F100203	F6-1	DCK6	100-153	71	67	112-153	22	45	45.5	TC11
	F6-2	DCK6	126-179	71	67	126-179	22	45	45.5	TC11
	F6-3	DCK6	150-203	71	67	150-203	22	45	45.5	TC11

Delivery: inserts excluded, please purchase separately.
Please specify boring head and insert seat size.

交货方式：不包括刀片，请单独购买。
请注明镗头和镗座尺寸。

Twin Cutter Rough Boring Head, SP/SC

双刃粗镗刀

Size	DCK No.	Dc	Insert Seat	L	L2	Step	Insert	Screw	Wrench
DCK1-R2026	DCK1	20-26	R2026-SP06-H	33	33.1	0.2	SP06	M2.2X6	T8
	DCK1	20-26	R2026-SP06-L	33	33.1	0.2	SP06	M2.2X6	T8
DCK2-R2533	DCK2	25-33	R2533-SP06-H	36	36.1	0.2	SP06	M2.2X6	T8
	DCK2	25-33	R2533-SP06-L	36	36.1	0.2	SP06	M2.2X6	T8
DCK3-R3242	DCK3	32-42	R3242-SC09-H	40	40.2	0.4	SC09	M4.0X10	T15
	DCK3	32-42	R3242-SC09-L	40	40.2	0.4	SC09	M4.0X10	T15
DCK4-R4154	DCK4	41-54	R4154-SC09-H	47	47.2	0.4	SC09	M4.0X10	T15
	DCK4	41-54	R4154-SC09-L	47	47.2	0.4	SC09	M4.0X10	T15
DCK5-R5370	DCK5	53-70	R5370-SC09-H	58	58.2	0.4	SC09	M4.0X10	T15
	DCK5	53-70	R5370-SC09-L	58	58.2	0.4	SC09	M4.0X10	T15
DCK6-R68110	DCK6	68-90	R6890-SC12-H	72	72.2	0.4	SC12	M5.0X12	T20
	DCK6	68-90	R6890-SC12-L	72	72.2	0.4	SC12	M5.0X12	T20
	DCK6	88-110	R88110-SC12-H	72	72.2	0.4	SC12	M5.0X12	T20
	DCK6	88-110	R88110-SC12-L	72	72.2	0.4	SC12	M5.0X12	T20
DCK6-R981533	DCK6	98-126	R98126-SC12-H	72	72.2	0.4	SC12	M5.0X12	T20
	DCK6	98-126	R98126-SC12-L	72	72.2	0.4	SC12	M5.0X12	T20
	DCK6	125-153	R125153-SC12-H	72	72.2	0.4	SC12	M5.0X12	T20
	DCK6	125-153	R125153-SC12-L	72	72.2	0.4	SC12	M5.0X12	T20
DCK7-R148203	DCK7	148-176	R148176-SC12-H	117	117.2	0.4	SC12	M5.0X12	T20
	DCK7	148-176	R148176-SC12-L	117	117.2	0.4	SC12	M5.0X12	T20
	DCK7	175-203	R175203-SC12-H	117	117.2	0.4	SC12	M5.0X12	T20
	DCK7	175-203	R175203-SC12-L	117	117.2	0.4	SC12	M5.0X12	T20

Cooling: boring head with internal cooling
Order: please specify boring head and insert seat size.
Inserts excluded, please purchase separately.
Usage: connect with boring tool holder for rough boring operation.

冷却：镗头带内部冷却
订购：请注明镗头和刀片座尺寸。
刀片不包括在内，请单独购买。
用途：与镗刀架连接，用于粗镗操作。

Twin Cutter Rough Boring Head, CC

双刃粗镗刀

Size	DCK No.	Dc	Insert Seat	L	L2	Step	Insert	Screw	Wrench
DCK1-R2026	DCK1	20-26	R2026-CC06-H	33	33.1	0.2	CC06	M2.2X6	T8
	DCK1	20-26	R2026-CC06-L	33	33.1	0.2	CC06	M2.2X6	T8
DCK2-R2533	DCK2	25-33	R2533-CC06-H	36	36.1	0.2	CC06	M2.2X6	T8
	DCK2	25-33	R2533-CC06-L	36	36.1	0.2	CC06	M2.2X6	T8
DCK3-R3242	DCK3	32-42	R3242-CC09-H	40	40.2	0.2	CC09	M4.0X10	T15
	DCK3	32-42	R3242-CC09-L	40	40.2	0.2	CC09	M4.0X10	T15
DCK4-R4154	DCK4	41-54	R4154-CC09-H	47	47.2	0.4	CC09	M4.0X10	T15
	DCK4	41-54	R4154-CC09-L	47	47.2	0.4	CC09	M4.0X10	T15
DCK5-R5370	DCK5	53-70	R5370-CC09-H	58	58.2	0.4	CC09	M4.0X10	T15
	DCK5	53-70	R5370-CC09-L	58	58.2	0.4	CC09	M4.0X10	T15
DCK6-R68110	DCK6	68-90	R6890-CC12-H	72	72.2	0.4	CC12	M5.0X12	T20
	DCK6	68-90	R6890-CC12-L	72	72.2	0.4	CC12	M5.0X12	T20
	DCK6	88-110	R88110-CC12-H	72	72.2	0.4	CC12	M5.0X12	T20
	DCK6	88-110	R88110-CC12-L	72	72.2	0.4	CC12	M5.0X12	T20
DCK6-R981533	DCK6	98-126	R98126-CC12-H	72	72.2	0.4	CC12	M5.0X12	T20
	DCK6	98-126	R98126-CC12-L	72	72.2	0.4	CC12	M5.0X12	T20
	DCK6	125-153	R125153-CC12-H	72	72.2	0.4	CC12	M5.0X12	T20
	DCK6	125-153	R125153-CC12-L	72	72.2	0.4	CC12	M5.0X12	T20
DCK7-R148203	DCK7	148-176	R148176-CC12-H	117	117.2	0.4	CC12	M5.0X12	T20
	DCK7	148-176	R148176-CC12-L	117	117.2	0.4	CC12	M5.0X12	T20
	DCK7	175-203	R175203-CC12-H	117	117.2	0.4	CC12	M5.0X12	T20
	DCK7	175-203	R175203-CC12-L	117	117.2	0.4	CC12	M5.0X12	T20

Cooling: boring head with internal cooling
Order: please specify boring head and insert seat size.
Inserts excluded, please purchase separately.
Usage: connect with boring tool holder for rough boring operation.

冷却：镗头带内部冷却
订购：请注明镗头和刀片座尺寸。
刀片不包括在内，请单独购买。
用途：与镗刀架连接，用于粗镗操作。

Bridge Fine Boring Head, Standard
桥式精镗刀，标准钢制

Size	Dc	Flange Seat	Bridge	Boring Slide	Balance Block	Insert Seat	H	Insert	Cooling	Weight (kg)
BF200308-TC11	200-282	SL-135-40	SL200290	BF-78	BF-73	F6-1	94	TC1102	INT	6.6
BF290398-TC11	290-372	SL-135-40	SL290380	BF-78	BF-73	F6-1	94	TC1102	INT	8.8
BF380488-TC11	380-462	SL-135-40	SL380470	BF-78	BF-73	F6-1	94	TC1102	INT	11.0
BF470578-TC11	470-552	SL-135-40	SL470560	BF-78	BF-73	F6-1	99	TC1102	EXT	14.1
BF560668-TC11	560-642	SL-235-60	SL560650	BF-78	BF-73	F6-1	99	TC1102	EXT	16.7
BF650758-TC11	650-732	SL-235-60	SL650740	BF-78	BF-73	F6-1	104	TC1102	EXT	20.9
BF740848-TC11	740-812	SL-235-60	SL740830	BF-78	BF-73	F6-1	109	TC1102	EXT	23.4

Bridge Fine Boring Head, Light
桥式精镗刀，轻型铝制

Size	Dc	Flange Seat	Bridge	Boring Slide	Balance Block	Insert Seat	H	Insert	Cooling	Weight (kg)
BF200308AL-TC11	200-282	SL-135-40	SL200290-AL	BF-78	BF-73	F6-1	94	TC1102	INT	4.2
BF290380AL-TC11	290-372	SL-135-40	SL290380-AL	BF-78	BF-73	F6-1	94	TC1102	INT	5.0
BF380470AL-TC11	380-462	SL-135-40	SL380470-AL	BF-78	BF-73	F6-1	94	TC1102	INT	5.8
BF470578AL-TC11	470-552	SL-135-40	SL470560-AL	BF-78	BF-73	F6-1	99	TC1102	EXT	6.9
BF560668AL-TC11	560-642	SL-235-60	SL560650-AL	BF-78	BF-73	F6-1	99	TC1102	EXT	7.8
BF650758AL-TC11	650-732	SL-235-60	SL650740-AL	BF-78	BF-73	F6-1	104	TC1102	EXT	9.3
BF740848AL-TC11	740-812	SL-235-60	SL740830-AL	BF-78	BF-73	F6-1	109	TC1102	EXT	11.0

Delivery: insert excluded, please purchase separately.
交货方式：不含刀片，请单独购买。

Bridge Rough Boring Head, Standard
桥式双刃粗镗刀，标准钢制

Size	Dc	Flange Seat	Bridge	Clamp Base	Insert Seat	H	Insert	Cooling	Weight (kg)
BR200290-CC12	200-290	SL-135-40	BR200290	BR-73	BR90-CC12	95	CC1204	INT	6.2
BR290380-CC12	290-380	SL-135-40	BR290380	BR-73	BR90-CC12	95	CC1204	INT	8.4
BR380470-CC12	380-470	SL-135-40	BR380470	BR-73	BR90-CC12	95	CC1204	INT	10.6
BR470560-CC12	470-560	SL-135-40	BR470560	BR-73	BR90-CC12	100	CC1204	EXT	14
BR470610-CC12	470-610	SL-235-60	BR470560	BR-123	BR90-CC12	100	CC1204	EXT	15
BR560650-CC12	560-650	SL-235-60	BR560650	BR-73	BR90-CC12	100	CC1204	EXT	16.5
BR560700-CC12	560-700	SL-235-60	BR560650	BR-123	BR90-CC12	100	CC1204	EXT	17.5
BR650740-CC12	650-740	SL-235-60	BR650740	BR-73	BR90-CC12	105	CC1204	EXT	20.5
BR650790-CC12	650-790	SL-235-60	BR650740	BR-123	BR90-CC12	105	CC1204	EXT	21.5
BR740830-CC12	740-830	SL-235-60	BR740830	BR-73	BR90-CC12	110	CC1204	EXT	23.8
BR740880-CC12	740-880	SL-235-60	BR740830	BR-123	BR90-CC12	110	CC1204	EXT	24.8

Size	Dc	Flange Seat	Bridge	Clamp Base	Insert Seat	H	Insert	Cooling	Weight (kg)
BR200290-SC12	200-290	SL-135-40	BR200290	BR-73	BR86-SC12	95	SC1204	INT	6.2
BR290380-SC12	290-380	SL-135-40	BR290380	BR-73	BR86-SC12	95	SC1204	INT	8.4
BR380470-SC12	380-470	SL-135-40	BR380470	BR-73	BR86-SC12	95	SC1204	INT	10.6
BR470560-SC12	470-560	SL-135-40	BR470560	BR-73	BR86-SC12	100	SC1204	EXT	14
BR470610-SC12	470-610	SL-235-60	BR470560	BR-123	BR86-SC12	100	SC1204	EXT	15
BR560650-SC12	560-650	SL-235-60	BR560650	BR-73	BR86-SC12	100	SC1204	EXT	16.5
BR560700-SC12	560-700	SL-235-60	BR560650	BR-123	BR86-SC12	100	SC1204	EXT	17.5
BR650740-SC12	650-740	SL-235-60	BR650740	BR-73	BR86-SC12	105	SC1204	EXT	20.5
BR650790-SC12	650-790	SL-235-60	BR650740	BR-123	BR86-SC12	105	SC1204	EXT	21.5
BR740830-SC12	740-830	SL-235-60	BR740830	BR-73	BR86-SC12	110	SC1204	EXT	23.8
BR740880-SC12	740-880	SL-235-60	BR740830	BR-123	BR86-SC12	110	SC1204	EXT	24.8

Bridge Rough Boring Head, Light
桥式双刃粗镗刀，轻型铝制

Size	Dc	Flange Seat	Bridge	Clamp Base	Insert Seat	H	Insert	Cooling	Weight (kg)
BR200290AL-CC12	200-290	SL-135-40	BR200290-AL	BR-73-AL	BR90-CC12	95	CC1204	INT	3.2
BR290380AL-CC12	290-380	SL-135-40	BR290380-AL	BR-73-AL	BR90-CC12	95	CC1204	INT	3.96
BR380470AL-CC12	380-470	SL-135-40	BR380470-AL	BR-73-AL	BR90-CC12	95	CC1204	INT	4.76
BR470560AL-CC12	470-560	SL-135-40	BR470560-AL	BR-73-AL	BR90-CC12	100	CC1204	EXT	5.86
BR470610AL-CC12	470-610	SL-235-60	BR470560-AL	BR-123-AL	BR90-CC12	100	CC1204	EXT	6.36
BR560650AL-CC12	560-650	SL-235-60	BR560650-AL	BR-73-AL	BR90-CC12	100	CC1204	EXT	6.81
BR560700AL-CC12	560-700	SL-235-60	BR560650-AL	BR-123-AL	BR90-CC12	100	CC1204	EXT	7.31
BR650740AL-CC12	650-740	SL-235-60	BR650740-AL	BR-73-AL	BR90-CC12	105	CC1204	EXT	8.3
BR650790AL-CC12	650-790	SL-235-60	BR650740-AL	BR-123-AL	BR90-CC12	105	CC1204	EXT	8.8
BR740830AL-CC12	740-830	SL-235-60	BR740830-AL	BR-73-AL	BR90-CC12	110	CC1204	EXT	9.96
BR740880AL-CC12	740-880	SL-235-60	BR740830-AL	BR-123-AL	BR90-CC12	110	CC1204	EXT	10.46

Size	Dc	Flange Seat	Bridge	Clamp Base	Insert Seat	H	Insert	Cooling	Weight (kg)
BR200290AL-SC12	200-290	SL-135-40	BR200290-AL	BR-73-AL	BR86-SC12	95	SC1204	INT	3.2
BR290380AL-SC12	290-380	SL-135-40	BR290380-AL	BR-73-AL	BR86-SC12	95	SC1204	INT	3.96
BR380470AL-SC12	380-470	SL-135-40	BR380470-AL	BR-73-AL	BR86-SC12	95	SC1204	INT	4.76
BR470560AL-SC12	470-560	SL-135-40	BR470560-AL	BR-73-AL	BR86-SC12	100	SC1204	EXT	5.86
BR470610AL-SC12	470-610	SL-235-60	BR470560-AL	BR-123-AL	BR86-SC12	100	SC1204	EXT	6.36
BR560650AL-SC12	560-650	SL-235-60	BR560650-AL	BR-73-AL	BR86-SC12	100	SC1204	EXT	6.81
BR560700AL-SC12	560-700	SL-235-60	BR560650-AL	BR-123-AL	BR86-SC12	100	SC1204	EXT	7.31
BR650740AL-SC12	650-740	SL-235-60	BR650740-AL	BR-73-AL	BR86-SC12	105	SC1204	EXT	8.3
BR650790AL-SC12	650-790	SL-235-60	BR650740-AL	BR-123-AL	BR86-SC12	105	SC1204	EXT	8.8
BR740830AL-SC12	740-830	SL-235-60	BR740830-AL	BR-73-AL	BR86-SC12	110	SC1204	EXT	9.96
BR740880AL-SC12	740-880	SL-235-60	BR740830-AL	BR-123-AL	BR86-SC12	110	SC1204	EXT	10.46

OD Turning Holders

外镗

Size	CK No.	Dc	D	L	F	平衡块	Insert Seat	Insert
CK6-CK3-2552-42	CK6	25-34	φ117	82	CK3-F3260	CK3-F3137	F3-1	TP08
	CK6	34-43	φ117	82	CK3-F3260	CK3-F3137	F3-2	TP08
	CK6	43-52	φ117	82	CK3-F3260	CK3-F3137	F3-3	TP08
CK6-CK3-5077-42	CK6	50-59	φ142	82	CK3-F3260	CK3-F3137	F3-1	TP08
	CK6	59-68	φ142	82	CK3-F3260	CK3-F3137	F3-2	TP08
	CK6	68-77	φ142	82	CK3-F3260	CK3-F3137	F3-3	TP08
CK6-CK3-75102-42	CK6	75-84	φ167	82	CK3-F3260	CK3-F3137	F3-1	TP08
	CK6	84-93	φ167	82	CK3-F3260	CK3-F3137	F3-2	TP08
	CK6	93-102	φ167	82	CK3-F3260	CK3-F3137	F3-3	TP08
CK6-CK3-100127-42	CK7	100-109	φ192	87	CK3-F3260	CK3-F3137	F3-1	TP08
	CK7	109-118	φ192	87	CK3-F3260	CK3-F3137	F3-2	TP08
	CK7	118-127	φ192	87	CK3-F3260	CK3-F3137	F3-3	TP08
CK6-CK3-125152-42	CK7	125-134	φ217	87	CK3-F3260	CK3-F3137	F3-1	TP08
	CK7	134-143	φ217	87	CK3-F3260	CK3-F3137	F3-2	TP08
	CK7	143-152	φ217	87	CK3-F3260	CK3-F3137	F3-3	TP08

Small Fine Boring Head
精镗小刀夹

Size	Degree	Dmin	L	h1	h2	e	f	r	Insert
DF-1695L-CC06	95	28	45.5	8.8	13.5	1	16	0.4	CC..0602..
DF-1695R-CC06	95	28	45.5	8.8	13.5	1	16	0.4	CC..0602..
DF-1695L-TP09	95	28	45.5	8.8	13.5	1	16	0.4	TP..0902..
DF-1695R-TP09	95	28	45.5	8.8	13.5	1	16	0.4	TP..0902..
DF-2095L-TC11	95	36	45.5	8.8	13.5	1	20	0.4	TC..1102..
DF-2095R-TC11	95	36	45.5	8.8	13.5	1	20	0.4	TC..1102..
DF-2095L-TP11	95	36	45.5	8.8	13.5	1	20	0.4	TP..1102..
DF-2095R-TP11	95	36	45.5	8.8	13.5	1	20	0.4	TP..1102..
DF-1690L-CC06	90	28	45.5	8.8	13.5	1	16	0.4	CC..0602..
DF-1690R-CC06	90	28	45.5	8.8	13.5	1	16	0.4	CC..0602..
DF-1690L-TP09	90	28	45.5	8.8	13.5	1	16	0.4	TP..0902..
DF-1690R-TP09	90	28	45.5	8.8	13.5	1	16	0.4	TP..0902..
DF-2090L-TC11	90	36	45.5	8.8	13.5	1	20	0.4	TC..1102..
DF-2090R-TC11	90	36	45.5	8.8	13.5	1	20	0.4	TC..1102..
DF-2090L-TP11	90	36	45.5	8.8	13.5	1	20	0.4	TP..1102..
DF-2090R-TP11	90	36	45.5	8.8	13.5	1	20	0.4	TP..1102..

Delivery: insert excluded, please purchase separately.
Usage: mainly used to connect with special tool holders.

交货方式：不含刀片，请单独购买。
用途：主要用于连接专用工具夹头。

Fine Boring Unit
精镗单元

Type 1

Type 2

刀尖圆弧r=0
Tip diameter r=0

Size		Angle	dm	L	L1	f	Dmin	Insert	Weight	Type
Left	Right									
FB-A16-CC06L	FB-A16-CC06R	90	16	24.1	13.3	5.1	27	CC..060204	0.02	1
FB-A16-TB06L	FB-A16-TB06R	90	16	24.1	13.3	5.1	27	TB..060102	0.02	1
FB-A20-TC09L	FB-A20-TC09R	90	20	32.9	18.3	6.3	36.5	TC..090204	0.05	1
FB-A20-TP09L	FB-A20-TP09R	90	20	32.9	18.3	6.3	36.5	TP..090204	0.05	1
FB-A22-TC11L	FB-A22-TC11R	90	22	44.3	22.1	7.2	48.5	TC..110204	0.1	1
FB-A22-TP11L	FB-A22-TP11R	90	22	44.3	22.1	7.2	48.5	TP..110304	0.1	1
FB-A32-TC16L	FB-A32-TC16R	90	32	62.7	32	10.3	68.4	TC..16T308	0.29	1
FB-A32-TP11L	FB-A32-TP11R	90	32	62.7	32	10.3	68.4	TP..110304	0.29	1
FB-B16-CC06L	FB-B16-CC06R	53°8′	16	25.15	14.3	0.45	25.2	CC..060204	0.02	2
FB-B16-TB06L	FB-B16-TB06R	53°8′	16	25	14.3	0.2	24.8	TB..060102	0.02	2
FB-B20-TC09L	FB-B20-TC09R	53°8′	20	33.7	19.1	0.9	32.5	TC..090204	0.05	2
FB-B20-TP09L	FB-B20-TP09R	53°8′	20	33.7	19.1	0.9	32.5	TP..090204	0.05	2
FB-B22-TC11L	FB-B22-TC11R	53°8′	22	45.3	23	1.1	42	TC..110204	0.1	2
FB-B22-TP11L	FB-B22-TP11R	53°8′	22	45.3	23	1.1	42	TP..110304	0.1	2
FB-B32-TC16L	FB-B32-TC16R	53°8′	32	62.3	33.3	1.2	59.4	TC..16T308	0.29	2
FB-B32-TP11L	FB-B32-TP11R	53°8′	32	62.3	33.3	1.2	59.4	TP..110304	0.29	2

NBJ16 Fine Boring Head With Small Bore
NBJ16 小孔径精镗头

Size	DCK No.	Dc	D	d	L	S	Dial precision	Wrench	Weight
NBJ16	6	6-50	64	16	50	5	0.01	T05	1.14

NBJ16 Micro-Boring Bar
NBJ16 微调精密镗头刀杆

Size	D	D1	L1	L2	L	Dc	Insert	Insert screw	Wrench	Weight
NBJ1606-24	6	16	24	34	66	6-8	WBGT0601	M2*4	T06	0.07
NBJ1608-32	8	16	32	34	76	8-11	TBGT0601	M2*4	T06	0.06
NBJ1610-40	10	16	40	34	77	10-13	TBGT0601	M2*4	T06	0.07
NBJ1612-53	12	16	53	34	90	12-17	TPGH0902	M2.5*6	T08	0.09
NBJ1616-68	16	16	68	34	102	16-21	TPGH0902	M2.5*6	T08	0.13
NBJ1620-83	20	16	83	34	120	20-26	TPGH1103	M3*7	T10	0.2
NBJ1625-90	25	16	90	34	124	25-32	TPGH1103	M3*7	T10	0.25
NBJ1630-90	30	16	90	34	124	30-42	TPGH1103	M3*7	T10	0.25
NBJ1640-90	40	16	90	34	124	40-50	TPGH1103	M3*7	T10	0.26

NBJ16 Micro-Boring Tool Kit
NBJ16 微调精镗套装组合

Size	Boring Adapter	Boring Head	Boring Bar	DC	Weight
BT40-NBJ16-8PCS	BT40-DCK6-55	NBJ16	NBJ1608-32	8-50	3.68
			NBJ1610-40		
			NBJ1612-53		
			NBJ1616-68		
			NBJ1620-83		
			NBJ1625-90		
			NBJ1630-90		
			NBJ1640-90		
BT50-NBJ16-8PCS	BT40-DCK6-55	NBJ16	NBJ1608-32	8-50	6.74
			NBJ1610-40		
			NBJ1612-53		
			NBJ1616-68		
			NBJ1620-83		
			NBJ1625-90		
			NBJ1630-90		
			NBJ1640-90		

Items Included
1. One boring adapter
2. One micro boring head
3. Eight micro boring bars
4. Three wrenches

内附零件
1. 刀柄一支
2. 精密镗头一支
3. 精镗刀杆八支
4. 扳手三把

NBH2084 Micro-Boring Head
NBH2084 微调精密镗头

Size	D	d	d1	d2	L	Dc	Micro Distance	Wrench	Dial Precision	Adapter	Wrench	Weight
NBH2084	84	20	35	60	80	8-280	28	T04	0.01	NBH-A.B	T06	2.74

NBJ20 Micro-Boring Bar
NBJ20 微调精密镗头刀杆

Type 1

Type 2

Size	Type	D	D1	L1	L	Dc	Insert	Insert screw	Wrench	Weight
NBJ2008-32	1	8	20	32	74	8-11	TBGT0601	M2*4	T06	0.09
NBJ2010-40	1	10	20	40	75	10-13	TBGT0601	M2*4	T06	0.1
NBJ2012-53	1	12	20	53	88	12-17	TPGH0902	M2.5*6	T10	0.12
NBJ2016-68	1	16	20	68	103	16-21	TPGH0902	M2.5*6	T10	0.16
NBJ2020-83	1	20	20	83	115	20-26	TPGH1103	M3*7	T10	0.22
NBJ2025-96	1	25	20	96	131	25-135	TPGH1103	M3*7	T10	0.35
NBJ2030-115	1	30	20	115	159	30-140	TPGH1103	M3*7	T10	0.52
NBJ20120-97	2	30	20	-	97	120-280	TPGH1103	M3*7	T10	0.25

NBH2084 Boring Tool Kit
NBH2084 精镗套装组合

Size	Boring Adapter	Boring Head	Boring Bar	Dc	Weight
BT40-NBH2084-8PCS	BT40-NBH-A50	NBJ20	NBJ2008-32	8-280	6.44
			NBJ2010-40		
			NBJ2012-53		
			NBJ2016-68		
			NBJ2020-83		
			NBJ2025-96		
			NBJ2030-115		
			NBJ20120-97		
BT50-NBH2084-8PCS	BT50-NBH-A50	NBJ20	NBJ2008-32	8-280	8.89
			NBJ2010-40		
			NBJ2012-53		
			NBJ2016-68		
			NBJ2020-83		
			NBJ2025-96		
			NBJ2030-115		
			NBJ20120-97		

Items Included
1. One boring adapter
2. One micro boring head
3. Eight micro boring bars
4. Four wrenches

内附零件
1. 刀柄一支
2. 精密镗头一支
3. 精镗刀杆八支
4. 扳手四把

DCK5-FB50P Micro-Nishing Boring Kit
DCK5-FB50P 极细微调精镗孔系统

Size	L1	Dc	Adapter	Wrench	Weigit
BT30-DCK5-FB50P	80	6-80	BT30-DCK5-70	L05	2.9
BT40-DCK5-FB50P	80	6-80	BT40-DCK5-80	L05	3.54
BT50-DCK5-FB50P	80	6-80	BT50-DCK5-90	L05	6.32
SK40-DCK5-FB50P	90	6-80	SK40-DCK5-80	L05	3.54
SK50-DCK5-FB50P	90	6-80	SK50-DCK5-90	L05	6.32
HSK63A-DCK5-FB50P	70	6-80	HSK63A--DCK5-80	L05	4.02

Size	Dc	DM	Insert	Weigit
F1606-21	6-9	21	WBGT0601..L	0.04
F1608-28	8-11	28	TBGT0601..L	0.04
F1610-35	10-13	35	TBGT0601..L	0.05
F1612-42	12-15	42	TPGH0902..L	0.06
F1614-50	14-17	50	TPGH0902..L	0.07
F1616-60	16-20	60	TPGH0902..L	0.09
F1620-65	20-24	65	TPGH0902..L	0.11
F1624-68	24-28	68	TPGH0902..L	0.12
FM5	60+FM2938TP or FM3652TP or FM4868TP			0.25
FM2938TP	28-38	11	TPGH0902..L	0.01
FM3652TP	36-52	13	TPGH1103..L	0.02
FM4868TP	48-68	13	TPGH1103..L	0.03
FM8	+FM5780TP			0.03
FM5780TP	57-80	+20	TPGH1103..L	0.1

DCK6-FB63P Micro-Nishing Boring Kit
DCK6-FB63P 极细微调精镗孔系统

Size	L1	Dc	Adapter	Wrench	Weigit
BT30-DCK6-FB63P	60	6-150	BT30-DCK6-60	L05	4
BT40-DCK6-FB63P	55	6-150	BT40-DCK6-55	L05	4.5
BT50-DCK6-FB63P	85	6-150	BT50-DCK6-85	L05	9.17
SK40-DCK6-FB63P	90	6-150	SK40-DCK6-90	L05	4.5
SK50-DCK6-FB63P	85	6-150	SK50-DCK6-85	L05	9.17
HSK63A-DCK6-FB63P	100	6-150	HSK63A-DCK6-100	L05	5.9

Size	Dc	DM	Insert	Weigit
F1606-21	6-9	21	WBGT0601..L	0.04
F1608-28	8-11	28	TBGT0601..L	0.04
F1610-35	10-13	35	TBGT0601..L	0.05
F1612-42	12-15	42	TPGH0902..L	0.06
F1614-50	14-17	50	TPGH0902..L	0.07
F1616-60	16-20	60	TPGH0902..L	0.09
F1620-65	20-24	65	TPGH0902..L	0.11
F1624-68	24-28	68	TPGH0902..L	0.12
FM5	60+FM2938TP or FM3652TP or FM4868TP			0.25
FM5780TP	28-38	+11	TPGH0902..L	0.01
FM2938TP	36-52	+13	TPGH1103..L	0.02
FM3652TP	48-68	+13	TPGH1103..L	0.03
FM8	+FM5780TP or FM70110TP or FM110150TP			0.03
FM4868TP	66-80	+20	TPGH1103..L	0.1
FM70110TP	70-110	+20	TPGH1103..L	0.1
FM110150TP	110-150	+20	TPGH1103..L	0.21

Boring Tool Holder Set
镗刀柄套装

Size	Boring Tool Holder	Fine Boring	Rough Boring	Insert Seat
BT40-DCK1-70 SET	BT40-DCK1-70	DCK1-R2026	DCK1-F2036	F1-1,F1-2,F1-3
BT40-DCK2-75 SET	BT40-DCK2-75	DCK2-R2533	DCK2-F2547	F2-1,F2-2,F2-3
BT40-DCK3-80 SET	BT40-DCK3-80	DCK3-R3242	DCK3-F3260	F3-1,F3-2,F3-3
BT40-DCK4-70 SET	BT40-DCK4-70	DCK4-R4154	DCK4-F4147	F4-1,F4-2,F4-3
BT40-DCK5-80 SET	BT40-DCK5-80	DCK5-R5370	DCK5-F5395	F5-1,F5-2,F5-3
BT40-DCK6-100 SET	BT40-DCK6-100	DCK6-R6890	DCK6-F68150	F6-1,F6-2,F6-3
BT50-DCK1-80 SET	BT50-DCK1-80	DCK1-R2026	DCK1-F2036	F1-1,F1-2,F1-3
BT50-DCK2-85 SET	BT50-DCK2-85	DCK2-R2533	DCK2-F2547	F2-1,F2-2,F2-3
BT50-DCK3-85 SET	BT50-DCK3-85	DCK3-R3242	DCK3-F3260	F3-1,F3-2,F3-3
BT50-DCK4-100 SET	BT50-DCK4-100	DCK4-R4154	DCK4-F4147	F4-1,F4-2,F4-3
BT50-DCK5-90 SET	BT50-DCK5-90	DCK5-R5370	DCK5-F5395	F5-1,F5-2,F5-3
BT50-DCK6-85 SET	BT50-DCK6-85	DCK6-R6890	DCK6-F6890	F6-1,F6-2,F6-3
SK40-DCK1-70 SET	SK40-DCK1-70	DCK1-R2026	DCK1-F2036	F1-1,F1-2,F1-3
SK40-DCK2-75 SET	SK40-DCK2-75	DCK2-R2533	DCK2-F2547	F2-1,F2-2,F2-3
SK40-DCK3-50 SET	SK40-DCK3-50	DCK3-R3242	DCK3-F3260	F3-1,F3-2,F3-3
SK40-DCK4-50 SET	SK40-DCK4-50	DCK4-R4154	DCK4-F4147	F4-1,F4-2,F4-3
SK40-DCK5-80 SET	SK40-DCK5-80	DCK5-R5370	DCK5-F5395	F5-1,F5-2,F5-3
SK40-DCK6-90 SET	SK40-DCK6-90	DCK6-R6890	DCK6-F6890	F6-1,F6-2,F6-3
SK50-DCK1-80 SET	SK50-DCK1-80	DCK1-R2026	DCK1-F2036	F1-1,F1-2,F1-3
SK50-DCK2-85 SET	SK50-DCK2-85	DCK2-R2533	DCK2-F2547	F2-1,F2-2,F2-3
SK50-DCK3-85 SET	SK50-DCK3-85	DCK3-R3242	DCK3-F3260	F3-1,F3-2,F3-3
SK50-DCK4-70 SET	SK50-DCK4-70	DCK4-R4154	DCK4-F4147	F4-1,F4-2,F4-3
SK50-DCK5-80 SET	SK50-DCK5-80	DCK5-R5370	DCK5-F5395	F5-1,F5-2,F5-3
SK50-DCK6-85 SET	SK50-DCK6-85	DCK6-R6890	DCK6-F6890	F6-1,F6-2,F6-3

Boring Tool Holder Set
镗刀柄套装

Size	Boring Tool Holder	Fine Boring	Rough Boring	Insert Seat
HSK63A-DCK1-70 SET	HSK63A-DCK1-70	DCK1-F2026	DCK1-R2036	F1-1,F1-2,F1-3
HSK63A-DCK2-75 SET	HSK63A-DCK2-75	DCK2-F2547	DCK2-R2533	F2-1,F2-2,F2-3
HSK63A-DCK3-80 SET	HSK63A-DCK3-80	DCK3-F3260	DCK3-R3242	F3-1,F3-2,F3-3
HSK63A-DCK4-70 SET	HSK63A-DCK4-70	DCK4-F4147	DCK4-R4154	F4-1,F4-2,F4-3
HSK63A-DCK5-80 SET	HSK63A-DCK5-80	DCK5-F5395	DCK5-R5370	F5-1,F5-2,F5-3
HSK63A-DCK6-100 SET	HSK63A-DCK6-100	DCK6-F6890	DCK6-R6890	F6-1,F6-2,F6-3
HSK100A-DCK1-115 SET	HSK100A-DCK1-115	DCK1-F2026	DCK1-R2036	F1-1,F1-2,F1-3
HSK100A-DCK2-110 SET	HSK100A-DCK2-110	DCK2-F2547	DCK2-R2533	F2-1,F2-2,F2-3
HSK100A-DCK3-110 SET	HSK100A-DCK3-110	DCK3-F3260	DCK3-R3242	F3-1,F3-2,F3-3
HSK100A-DCK4-100 SET	HSK100A-DCK4-100	DCK4-F4147	DCK4-R4154	F4-1,F4-2,F4-3
HSK100A-DCK5-90 SET	HSK100A-DCK5-90	DCK5-F5395	DCK5-R5370	F5-1,F5-2,F5-3
HSK100A-DCK6-85 SET	HSK100A-DCK6-85	DCK6-F6890	DCK6-R6890	F6-1,F6-2,F6-3

BRIGHT-TOOLS

ANTI VIBRATION

TOOL HOLDERS

Damping Face Mill Holder
抗震铣刀柄

Size	d	D	L	L1	L2
BT50-FMB22-048-370	22	48	371	333	19
BT50-FMB22-060-460	22	60	460	422	19
BT50-FMB27-076-570	27	76	572	534	21
BBT50-FMB22-048-370	22	48	371	333	19
BBT50-FMB22-060-460	22	60	460	422	19
BBT50-FMB27-076-570	27	76	572	534	21
HSK63A-FMB16-038-160	16	38	160	131	11
HSK63A-FMB16-038-230	16	38	230	201	11
HSK63A-FMB22-048-210	22	48	210	181	16
HSK63A-FMB22-048-260	22	48	260	231	16
HSK100A-FMB22-048-213	22	48	213	181	16
HSK100A-FMB22-048-263	22	48	263	231	16
HSK100A-FMB22-060-230	22	60	230	198	16
HSK100A-FMB22-060-340	22	60	340	308	16
HSK100A-FMB27-076-250	27	76	250	218	18
HSK100A-FMB27-076-390	27	76	390	358	18
HSK100A-FMB32-080-250	32	80	250	218	20
HSK100A-FMB32-080-390	32	80	390	358	20

Damping Turning Tool Holder
抗震车刀杆

Size	D1	D	L	L/D
C16-AV-7D-K	16	16	176	7
C16-AV-10D-K	16	16	224	10
C20-AV-7D-K	20	20	220	7
C20-AV-10D-K	20	20	280	10
C25-AV-7D-K	25	25	275	7
C25-AV-10D-K	25	25	350	10
C25-AV-12D-K	25	25	400	12
C32-AV-7D-K	32	32	352	7
C32-AV-10D-K	32	32	448	10
C32-AV-12D-K	32	32	512	12
C40-AV-7D-K	40	40	440	7
C40-AV-10D-K	40	40	560	10
C40-AV-12D-K	40	40	640	12

Damping Finishing Boring Tool Holder
阻尼减振精镗刀

Size	Insert seat	D	D1	D2	H	L	L1	Insert
BT50-DF2136-130	F1-1	21-26	20	30	130	160	198	TP0802
	F1-2	25-31	20	30	130	160	198	TP0802
	F1-3	30-36	20	30	130	160	198	TP0802
BT50-DF2136-170	F1-1	21-26	20	30	170	200	238	TP0802
	F1-2	25-31	20	30	170	200	238	TP0802
	F1-3	30-36	20	30	170	200	238	TP0802
BT50-DF2647-165	F2-1	26-33	25	35	165	200	238	TP0802
	F2-2	32-40	25	35	165	200	238	TP0802
	F2-3	39-47	25	35	165	200	238	TP0802
BT50-DF2647-215	F2-1	26-33	25	35	215	250	288	TP0802
	F2-2	32-40	25	35	215	250	288	TP0802
	F2-3	39-47	25	35	215	250	288	TP0802
BT50-DF3360-210	F3-1	33-42	32	45	210	256	294	TP0802
	F3-2	41-51	32	45	210	256	294	TP0802
	F3-3	50-60	32	45	210	256	294	TP0802
BT50-DF3360-275	F3-1	33-42	32	45	275	320	358	TP0802
	F3-2	41-51	32	45	275	320	358	TP0802
	F3-3	50-60	32	45	275	320	358	TP0802
BT50-DF4174-260	F4-1	41-54	40	55	260	320	358	TC1102
	F4-2	50-63	40	55	260	320	358	TC1102
	F4-3	61-71	40	55	260	320	358	TC1102
BT50-DF4174-340	F4-1	41-54	40	55	340	400	438	TC1102
	F4-2	50-63	40	55	340	400	438	TC1102
	F4-3	61-71	40	55	340	400	438	TC1102
BT50-DF5395-325	F5-1	53-70	50	65	325	400	438	TC1102
	F5-2	65-82	50	65	325	400	438	TC1102
	F5-3	78-95	50	65	325	400	438	TC1102

Integral Damping Finishing Boring Tool Holder
阻尼减振精镗刀

Size	Insert seat	D	D1	D2	H	L	L1	Insert
BT50-DF5395-425	F5-1	53-70	50	65	425	500	538	TC1102
	F5-2	65-82	50	65	425	500	538	TC1102
	F5-3	78-95	50	65	425	500	538	TC1102
BT50-DF68150-420	F6-1	68-100	64	80	420	512	550	TC1102
	F6-2	94-126	64	80	420	512	550	TC1102
	F6-3	118-150	64	80	420	512	550	TC1102
BT50-DF68150-550	F6-1	68-100	64	80	550	640	678	TC1102
	F6-2	94-126	64	80	550	640	678	TC1102
	F6-3	118-150	64	80	550	640	678	TC1102
BT50-DF100203-455	F6-1	100-203	70	85	455	560	598	TC1102
	F6-2	126-179	70	85	455	560	598	TC1102
	F6-3	150-203	70	85	455	560	598	TC1102
BT50-DF100203-595	F6-1	100-203	70	85	595	700	738	TC1102
	F6-2	126-179	70	85	595	700	738	TC1102
	F6-3	150-203	70	85	595	700	738	TC1102

BRIGHT-TOOLS

CUTTING TOOLS

CUTTERS

MILLING CUTTERS AND ARBORS
铣刀和刀杆

Face Milling Cutter, Round Inserts.....O.04
圆鼻面铣刀盘
End Milling Cutter, Round Inserts.....O.05
圆鼻立铣刀杆
Face Milling Cutter, AMPT Inserts.....O.07
方肩面铣刀盘
End Milling Cutter, AMPT Inserts.....O.08
方肩立铣刀杆

Face Milling Cutter, Round Inserts
圆鼻面铣刀盘

Size	Teeth No.	D	d	H	W	T	ap	Insert	Clamp	screw	Wrench
RP10-D50-22R-4T	4	50	22	50	10.4	6.3	5	RP*W10T3 RP*T1003	A-5R	M4x10	T15
RP10-D63-22R-4T	4	63	22	50	10.4	6.3	5		A-5R	M4x10	T15
RP10-D63-22R-5T	5	63	22	50	10.4	6.3	5		A-5R	M4x10	T15
RP10-D80-27R-6T	6	80	27	50	12.4	7	5		A-5R	M4x10	T15
RP10-D100-32R-6T	6	100	32	50	14.4	8	5		A-5R	M4x10	T15
RP12-D50-22R-4T	4	50	22	50	10.4	6.3	6	RP*W1204 RP*T1204	A-6R	M4x10	T15
RP12-D63-22R-4T	4	63	22	50	10.4	6.3	6		A-6R	M4x10	T15
RP12-D63-22R-5T	5	63	22	50	10.4	6.3	6		A-6R	M4x10	T15
RP12-D80-27R-6T	6	80	27	50	12.4	7	6		A-6R	M4x10	T15
RP12-D100-32R-6T	6	100	32	50	14.4	8	6		A-6R	M4x10	T15
RP12-D125-40R-8T	8	125	40	63	16.4	9	6		A-6R	M4x10	T15
RP12-D160-40R-9T	9	160	40	63	16.4	9	6		A-6R	M4x10	T15
RP12-D200-60R-10T	10	200	60	63	25.7	14	6		A-6R	M4x10	T15

End Milling Cutter, Round Inserts
圆鼻立铣刀杆

Size	Teeth No.	D	d	L	L1	L2	ap	Insert	Clamp	screw	Wrench
RP08-D12-120-C12-1T	1	12	12	120	40	-	4	RP*W0802	-	M3x7	T8
RP08-D13-120-C12-1T	1	13	12	120	40	-	4	RP*W0802	-	M3x7	T8
RP08-D16-120-G12-2T	2	16	16	120	40	-	4	RP*W0802	A-4R	M3x7	T8
RP08-D16-160-C16-2T	2	16	16	160	40	-	4	RP*W0802	A-4R	M3x7	T8
RP08-D16-200-C16-2T	2	16	16	200	40	100	4	RP*W0802	A-4R	M3x7	T8
RP08-D17-160-C16-2T	2	17	16	160	40	-	4	RP*W0802	A-4R	M3x7	T10
RP08-D17-200-C16-2T	2	17	16	200	40	-	4	RP*W0802	A-4R	M3x7	T10
RP08-D20-160-C20-2T	2	20	20	160	50	-	4	RP*W0802	A-4R	M3x7	T10
RP08-D20-200-C20-2T	2	20	20	200	50	100	4	RP*W0802	A-4R	M3x7	T10
RP08-D21-160-C20-2T	2	21	20	160	50	-	4	RP*W0802	A-4R	M3x7	T10
RP08-D21-200-C20-2T	2	21	20	200	50	-	4	RP*W0802	A-4R	M3x7	T10
RP10-D20-160-C20-2T	2	20	20	160	50	-	5		A-5R	M4x10	T15
RP10-D20-200-C20-2T	2	20	20	200	50	100	5		A-5R	M4x10	T15
RP10-D21-160-C20-2T	2	21	20	160	50	-	5		A-5R	M4x10	T15
RP10-D25-160-C25-2T	2	25	25	160	50	-	5		A-5R	M4x10	T15
RP10-D25-160-C20-2T	2	25	20	160	50	-	5		A-5R	M4x10	T15
RP10-D25-200-C25-2T	2	25	25	200	75	-	5		A-5R	M4x10	T15
RP10-D25-250-C25-2T	2	25	25	250	60	115	5		A-5R	M4x10	T15
RP10-D25-200-C20-2T	2	25	20	200	50	-	5		A-5R	M4x10	T15
RP10-D25-160-C25-2T	2	25	25	160	50	-	5		A-5R	M4x10	T15
RP10-D25-160-C20-2T	2	25	20	160	50	-	5	RP*W10T3	A-5R	M4x10	T15
RP10-D25-200-C25-2T	2	25	25	200	75	-	5	RP*T10T3	A-5R	M4x10	T15
RP10-D25-250-C25-2T	2	25	25	250	60	-	5		A-5R	M4x10	T15
RP10-D25-200-C20-2T	2	25	20	200	50	-	5		A-5R	M4x10	T15
RP10-D30-110-C20-2T	2	30	20	110	40	-	5		A-5R	M4x10	T15
RP10-D30-160-C25-2T	2	30	25	160	50	-	5		A-5R	M4x10	T15
RP10-D30-200-C25-2T	2	30	25	200	60	-	5		A-5R	M4x10	T15
RP10-D30-250-C25-2T	2	30	25	250	60	-	5		A-5R	M4x10	T15
RP10-D30-300-C25-2T	2	30	25	300	60	-	5		A-5R	M4x10	T15
RP10-D35-160-C32-3T	3	35	32	160	50	-	5		A-5R	M4x10	T15

End Milling Cutter, Round Inserts
圆鼻立铣刀杆

Size	Teeth No.	D	d	L	L1	L2	ap	Insert	Clamp	screw	Wrench
RP10-D35-200-C32-3T	3	35	32	200	50	-	5	RP*W10T3 RP*T10T3	A-5R	M4x10	T15
RP10-D35-250-C32-3T	3	35	32	250	60	-	5		A-5R	M4x10	T15
RP10-D35-300-C32-3T	3	35	32	300	60	-	5		A-5R	M4x10	T15
RP10-D35-350-C32-3T	3	35	32	350	60	-	5		A-5R	M4x10	T15
RP10-D40-160-C32-3T	3	40	32	160	50	-	5		A-5R	M4x10	T15
RP10-D40-160-C32-4T	4	40	32	160	50	-	5		A-5R	M4x10	T15
RP10-D40-200-C32-4T	4	40	32	200	50	-	5		A-5R	M4x10	T15
RP12-D32-160-C25-2T	2	32	25	160	50	-	6	RP*W1204 RP*T1204	A-6R	M4x10	T15
RP12-D32-160-C32-2T	2	32	32	160	50	-	6		A-6R	M4x10	T15
RP12-D32-200-C25-2T	2	32	25	200	60	-	6		A-6R	M4x10	T15
RP12-D32-200-C32-2T	2	32	32	200	80	-	6		A-6R	M4x10	T15
RP12-D35-160-C32-3T	3	35	32	160	50	-	6		A-6R	M4x10	T15
RP12-D35-200-C32-3T	3	35	32	200	60	-	6		A-6R	M4x10	T15
RP12-D35-250-C32-3T	3	35	32	250	60	-	6		A-6R	M4x10	T15
RP12-D35-300-C32-3T	3	35	32	300	60	-	6		A-6R	M4x10	T15
RP12-D35-350-C32-3T	3	35	32	350	60	-	6		A-6R	M4x10	T15
RP12-D40-160-C32-3T	3	40	32	160	50	-	6		A-6R	M4x10	T15
RP12-D40-200-C32-3T	3	40	32	200	50	-	6		A-6R	M4x10	T15
RP12-D40-250-C32-3T	3	40	32	250	60	-	6		A-6R	M4x10	T15
RP12-D50-200-C32-4T	4	50	32	200	60	-	6		A-6R	M4x10	T15

Face Milling Cutter, AMPT Inserts

方肩面铣刀盘

Size	Teeth No.	D	d	H	W	T	ap	Insert	screw	Wrench
BAP400R-D50-22R-4T	4	50	22	50	10.4	6.3	14	APMT 1604	M4X10	T15
BAP400R-D63-22R-4T	4	63	22	50	10.4	6.3	14	APMT 1604	M4X10	T15
BAP400R-D63-22R-5T	5	63	22	50	10.4	6.3	14	APMT 1604	M4X10	T15
BAP400R-D80-27R-6T	6	80	27	50	12.4	7	14	APMT 1604	M4X10	T15
BAP400R-D100-32R-6T	6	100	32	50	14.4	8	14	APMT 1604	M4X10	T15
BAP400R-D125-40R-8T	8	125	40	63	16.4	9	14	APMT 1604	M4X10	T15-T
BAP400R-D160-40R-9T	9	160	40	63	16.4	9	14	APMT 1604	M4X10	T15-T
BAP400R-D200-60R-9T	9	200	60	63	25.7	14	14	APMT 1604	M4X10	T15-T
BAP400R-D200-60R-12T	12	200	60	63	25.7	14	14	APMT 1604	M4X10	T15-T

End Milling Cutter, AMPT Inserts
方肩立铣刀杆

Size	Teeth No.	D	d	L	L1	L2	ap	Insert	screw	Wrench
BAP300R-D10-120-C10-1T	1	10	10	120	30	-	9	APMT 1135	M2.5X5.5	T8
BAP300R-D12-100-C12-1T	1	12	12	100	30	-	9	APMT 1135	M2.5X5.5	T8
BAP300R-D12-120-C12-1T	1	12	12	120	30	-	9	APMT 1135	M2.5X5.5	T8
BAP300R-D12-130-C12-1T	1	12	12	130	30	-	9	APMT 1135	M2.5X5.5	T8
BAP300R-D12-150-C12-1T	1	12	12	150	36	-	9	APMT 1135	M2.5X5.5	T8
BAP300R-D13-120-C12-1T	1	13	12	120	30	-	9	APMT 1135	M2.5X5.5	T8
BAP300R-D13-130-C12-1T	1	13	12	130	36	-	9	APMT 1135	M2.5X5.5	T8
BAP300R-D13-150-C12-1T	1	13	12	150	36	-	9	APMT 1135	M2.5X5.5	T8
BAP300R-D16-120-C16-2T	2	16	16	120	40	-	9	APMT 1135	M2.5X6	T8
BAP300R-D16-160-C16-2T	2	16	16	160	40	-	9	APMT 1135	M2.5X6	T8
BAP300R-D16-180-C15-2T	2	16	15	180	40	-	9	APMT 1135	M2.5X6	T8
BAP300R-D16-180-C16-2T	2	16	16	180	40	-	9	APMT 1135	M2.5X6	T8
BAP300R-D16-200-C16-2T	2	16	16	200	40	-	9	APMT 1135	M2.5X6	T8
BAP300R-D17-160-C16-2T	2	17	16	160	40	-	9	APMT 1135	M2.5X6	T8
BAP300R-D17-180-C16-2T	2	17	16	180	40	-	9	APMT 1135	M2.5X6	T8
BAP300R-D17-200-C16-2T	2	17	16	200	40	100	9	APMT 1135	M2.5X6	T8
BAP300R-D20-120-C20-3T	3	20	20	120	40	-	9	APMT 1135	M2.5X6	T8
BAP300R-D20-160-C20-3T	3	20	20	160	50	-	9	APMT 1135	M2.5X6	T8
BAP300R-D20-180-C20-2T	2	20	20	180	50	-	9	APMT 1135	M2.5X6	T8
BAP300R-D20-200-C20-2T	2	20	20	200	50	-	9	APMT 1135	M2.5X6	T8
BAP300R-D21-150-C20-2T	2	21	20	150	40	-	9	APMT 1135	M2.5X6	T8
BAP300R-D21-160-C20-2T	2	21	20	160	40	-	9	APMT 1135	M2.5X6	T8
BAP300R-D21-200-C20-2T	2	21	20	200	50	100	9	APMT 1135	M2.5X6	T8
BAP300R-D21-150-C20-2T	2	21	20	150	40	-	9	APMT 1135	M2.5X6	T8
BAP300R-D21-160-C20-2T	2	21	20	160	40	-	9	APMT 1135	M2.5X6	T8
BAP300R-D21-200-C20-2T	2	21	20	200	50	-	9	APMT 1135	M2.5X6	T8
BAP300R-D25-160-C25-3T	3	25	25	160	50	-	9	APMT 1135	M2.5X6	T8
BAP300R-D25-200-C25-3T	3	25	25	200	75	-	9	APMT 1135	M2.5X6	T8
BAP300R-D30-160-C25-3T	3	30	25	160	50	-	9	APMT 1135	M2.5X6	T8

End Milling Cutter, AMPT Inserts
方肩立铣刀杆

Size	Teeth No.	D	d	L	L1	L2	ap	Insert	screw	Wrench
BAP400R-D25-160-C24-2T	2	25	24	160	50	-	14	APMT 1604	M4X10	T15
BAP400R-D25-160-C25-2T	2	25	25	160	50	-	14	APMT 1604	M4X10	T15
BAP400R-D25-200-C24-2T	2	25	24	200	75	-	14	APMT 1604	M4X10	T15
BAP400R-D25-200-C25-2T	2	25	25	200	75	-	14	APMT 1604	M4X10	T15
BAP400R-D25-250-C24-2T	2	25	24	250	50	-	14	APMT 1604	M4X10	T15
BAP400R-D25-250-C25-2T	2	25	25	250	50	115	14	APMT 1604	M4X10	T15
BAP400R-D26-160-C25-2T	2	26	25	160	50	-	14	APMT 1604	M4X10	T15
BAP400R-D26-200-C25-2T	2	26	25	200	50	-	14	APMT 1604	M4X10	T15
BAP400R-D32-160-C25-3T	3	32	25	160	50	-	14	APMT 1604	M4X10	T15
BAP400R-D32-200-C25-2T	2	32	25	200	50	-	14	APMT 1604	M4X10	T15
BAP400R-D32-200-C25-3T	3	32	25	200	50	-	14	APMT 1604	M4X10	T15
BAP400R-D32-160-C32-3T	3	32	32	160	80	-	14	APMT 1604	M4X10	T15
BAP400R-D32-200-C32-3T	3	32	32	200	80	-	14	APMT 1604	M4X10	T15
BAP400R-D32-250-C32-3T	3	32	32	250	80	-	14	APMT 1604	M4X10	T15
BAP400R-D35-160-C32-3T	3	35	32	160	50	-	14	APMT 1604	M4X10	T15
BAP400R-D35-200-C32-3T	3	35	32	200	50	-	14	APMT 1604	M4X10	T15
BAP400R-D35-250-C32-3T	3	35	32	250	60	-	14	APMT 1604	M4X10	T15
BAP400R-D40-160-C32-3T	3	40	32	160	50	-	14	APMT 1604	M4X10	T15
BAP400R-D40-200-C32-3T	3	40	32	200	50	-	14	APMT 1604	M4X10	T15
BAP400R-D40-250-C32-3T	3	40	32	250	60	-	14	APMT 1604	M4X10	T15

BRIGHT-TOOLS

ACCESSORY

TOOL HOLDER

ACCESSORY
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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

Size	d	D1	D	D2	L
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
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

ER Collet Chuck Set
ER 刀柄套装

Size	ER Collet Chuck	ER Collet	Pull Stud	Spanner	Coolant Tube
BT40-ER16-100-10 PCS	BT40-ER16-100	1-10	BT40-45°CO	ER16A	-
BT40-ER20-100-13 PCS	BT40-ER20-100	1-13	BT40-45°CO	ER16A	-
BT40-ER25-100-15 PCS	BT40-ER25-100	2-16	BT40-45°CO	ER16UM	-
BT40-ER32-100-18 PCS	BT40-ER32-100	3-20	BT40-45°CO	ER16UM	-
BT40-ER40-100-25 PCS	BT40-ER40-100	4-26	BT40-45°CO	ER16A	-
SK40-ER16-100-10 PCS	SK40-ER16-100	1-10	SK40-45°CO	ER20A	-
SK40-ER20-100-13 PCS	SK40-ER20-100	1-13	SK40-45°CO	ER20A	-
SK40-ER25-100-15 PCS	SK40-ER25-100	2-16	SK40-45°CO	ER20UM	-
SK40-ER32-100-18 PCS	SK40-ER32-100	3-20	SK40-45°CO	ER20UM	-
SK40-ER40-100-25 PCS	SK40-ER40-100	4- 26	SK40-45°CO	ER20A	-
CAT40-ER16-4" -10 PCS	CAT40-ER16-4"	1-10	BT-CAT40C-45	ER25UM	-
CAT40-ER20-4" -13 PCS	CAT40-ER20-4"	1-13	BT-CAT40C-45	ER25UM	-
CAT40-ER25-4" -15 PCS	CAT40-ER25-4"	2-16	BT-CAT40C-45	ER25UM	-
CAT40-ER32-4"-18 PCS	CAT40-ER32-4"	3-20	BT-CAT40C-45	ER25UM	-
CAT40-ER40-4"-25 PCS	CAT40-ER40-4"	4-26	BT-CAT40C-45	ER25UM	-
NT40-ER16-100-10 PCS	NT40-ER16-100	1-10	NT40-45°CO	ER32UM	-
NT40-ER20-100-13 PCS	NT40-ER20-100	1-13	NT40-45°CO	ER32UM	-
NT40-ER25-100-15 PCS	NT40-ER25-100	2-16	NT40-45°CO	ER32UM	-
NT40-ER32-100-18 PCS	NT40-ER32-100	3-20	NT40-45°CO	ER32UM	-
NT40-ER40-80-25 PCS	NT40-ER40-80	4-26	NT40-45°CO	ER32UM	-
HSK63A-ER16UM-75 -10 PCS	HSK63A-ER16UM-75	1-10	-	ER40UM	CT63
HSK63A-ER20UM-75-13 PCS	HSK63A-ER20UM-75	1-13	-	ER40UM	CT63
HSK63A-ER25-75 -15 PCS	HSK63A-ER25-75	2-16	-	ER40UM	CT63
HSK63A-ER32-75-18 PCS	HSK63A-ER32-75	3-20	-	ER40UM	CT63
HSK63A-ER40-80-25 PCS	HSK63A-ER40-80	4-26	-	ER40UM	CT63

For the pull stud, we have two types, you can choose that as you need. But now this type is the most popular one.
拉钉提供两种规格可选，客户可根据需求选择，目前这款是使用更广泛的型号 .

ER Collet Chuck Set
ER 刀柄套装

Size	ER Collet Chuck	Pull Stud	Spanner
BT40-ER16 SET	BT40-ER16-70 BT40-ER16-100 BT40-ER16-160	BT40-45°CO*3	ER16A
BT40-ER20 SET	BT40-ER20-70 BT40-ER20-100 BT40-ER20-160	BT40-45°CO*3	ER20A
BT40-ER25 SET	BT40-ER25-70 BT40-ER25-100 BT40-ER25-160	BT40-45°CO*3	ER25UM
BT40-ER32 SET	BT40-ER32-70 BT40-ER32-100 BT40-ER32-160	BT40-45°CO*3	ER32UM
BT40-ER40 SET	BT40-ER40-80 BT40-ER40-100 BT40-ER40-160	BT40-45°CO*3	ER40UM
SK40-ER16 SET	SK40-ER16-70 SK40-ER16-100 SK40-ER16-160	SK40A*3	ER16A
SK40-ER20 SET	SK40-ER20-70 SK40-ER20-100 SK40-ER20-160	SK40A*3	ER20A
SK40-ER25 SET	SK40-ER25-70 SK40-ER25-100 SK40-ER25-160	SK40A*3	ER25UM
SK40-ER32 SET	SK40-ER32-70 SK40-ER32-100 SK40-ER32-160	SK40A*3	ER32UM
SK40-ER40 SET	SK40-ER40-80 SK40-ER40-100 SK40-ER40-160	SK40A*3	ER40UM

ER Collet Chuck Set
ER 刀柄套装

Size	ER Collet Chuck	Pull Stud	Coolant Tube	Spanner
CAT40-ER16 SET	CAT40-ER16-2.5" CAT40-ER16-4" CAT40-ER16-6.3"	BT-CAT40C-45 *3	-	-
CAT40-ER20 SET	CAT40-ER20-2.5" CAT40-ER20-4" CAT40-ER20-6.3"	BT-CAT40C-45 *3	-	-
CAT40-ER25 SET	CAT40-ER25-2.5" CAT40-ER25-4" CAT40-ER25-6.3"	BT-CAT40C-45 *3	-	-
CAT40-ER32 SET	CAT40-ER32-2.5" CAT40-ER32-4" CAT40-ER32-6.3"	BT-CAT40C-45 *3	-	-
CAT40-ER40 SET	CAT40-ER40-2.5" CAT40-ER40-4" CAT40-ER40-6.3"	BT-CAT40C-45 *3	-	-
HSK63A-ER16 SET	HSK63A-ER16-75 HSK63A-ER16-100 HSK63A-ER16-160	-	CT63*3	CT63*3
HSK63-ER20 SET	HSK63A-ER20-75 HSK63A-ER20-100 HSK63A-ER20-160	-	CT63*3	CT63*3
HSK63-ER25 SET	HSK63A-ER25-75 HSK63A-ER25-100 HSK63A-ER25-160	-	CT63*3	CT63*3
HSK63-ER32 SET	HSK63A-ER32-75 HSK63A-ER32-100 HSK63A-ER32-160	-	CT63*3	CT63*3
HSK63-ER40 SET	HSK63A-ER40-80 HSK63A-ER40-100 HSK63A-ER40-160	-	CT63*3	CT63*3

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
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

Power Milling Chuck Set
强力刀柄套装

Size	Power Milling Chuck	SC Collet	Pull Stud	Coolant Tube	Spanner
BT40-CT20SA-90-5 PCS	BT40-CT20SA-90	SC20-6,8,10,12,16	BT40-45°CO	-	C20
BT40-CT32SA-90-5 PCS	BT40-CT32SA-90	SC32-6,8,10,12,16	BT40-45°CO	-	C32
SK40-CT20SA-75-5 PCS	SK40-CT20SA-75	SC20-6,8,10,12,16	SK40A	-	C20
SK40-CT32SA-105-5 PCS	SK40-CT32SA-105	SC32-6,8,10,12,16	SK40A	-	C32
CAT40-CT20SA-90-5 PCS	CAT40-CT20SA-90	SC20-6,8,10,12,16	BT-CAT40C-45	-	C20
CAT40-CT32SA-105-5 PCS	CAT40-CT32SA-105	SC32-6,8,10,12,16	BT-CAT40C-45	-	C32
HSK63A-CT20SA-105-5 PCS	HSK63A-CT20SA-105	SC20-6,8,10,12,16	-	CT63	C20
HSK63A-CT32SA-105-5 PCS	HSK63A-CT32SA-105	SC32-6,8,10,12,16	-	CT63	C32

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

OZ Collet Chuck Set
OZ 刀柄套装

Size	OZ Collet Chuck	Pull Stud	Spanner
BT40-OZ25-80-15 PCS	BT40-OZ25-80	BT40-45CO	OZ25
SK40-OZ25-70-15 PCS	SK40-OZ25-70	SK40A	OZ25
NT40-OZ25-70-15 PCS	NT40-OZ25-70	-	OZ25
MT2-OZ25-70-15 PCS	MT2-OZ25-70	-	OZ25
MT3-OZ25-70-15 PCS	MT3-OZ25-70	-	OZ25
MT4-OZ25-70-15 PCS	MT4-OZ25-70	-	OZ25
MT5-OZ25-70-15 PCS	MT5-OZ25-70	-	OZ25

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
NDC14D04C	04	66
NDC14D06C	06	66
NDC14D08C	O8	50
NDC14D10C	010	50
NDC14D12C	012	50
NDC14D14C	014	50
NDC20D04C	04	66
NDC20D06C	O6	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
NDC32D12C	012	59.5
NDC32D16C	016	59.5
NDC32D20C	020	59.5
NDC32D25C	025	59.5
NDC32D30C	030	59.5
NDC32D32C	032	59.5

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	l3	l2	l1
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

SW

Size	SW	M
ER25SW	27	M32X1.5
ER32SW	34	M40X1.5

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
ERS16-3	3	13
ERS16-4	4	13
ERS16-5	5	13
ERS16-6	6	13
ERS16-7	7	13
ERS16-8	8	13
ERS16-9	9	13
ERS16-10	10	13
ERS20-3	3	16
ERS20-4	4	16
ERS20-5	5	16
ERS20-6	6	16
ERS20-7	7	16
ERS20-8	8	16
ERS20-9	9	16
ERS20-10	10	16
ERS20-11	11	16
ERS20-12	12	16
ERS20-13	13	16

Size	d	D
ERS25-3	3	20.7
ERS25-4	4	20.7
ERS25-5	5	20.7
ERS25-6	6	20.7
ERS25-7	7	20.7
ERS25-8	8	20.7
ERS25-9	9	20.7
ERS25-10	10	20.7
ERS25-11	11	20.7
ERS25-12	12	20.7
ERS25-13	13	20.7
ERS25-14	14	20.7
ERS25-15	15	20.7
ERS25-16	16	20.7
ERS32-3	3	27
ERS32-4	4	27
ERS32-5	5	27
ERS32-6	6	27
ERS32-7	7	27

Size	d	D
ERS32-8	8	27
ERS32-9	9	27
ERS32-10	10	27
ERS32-11	11	27
ERS32-12	12	27
ERS32-13	13	27
ERS32-14	14	27
ERS32-15	15	27
ERS32-16	16	27
ERS32-17	17	27
ERS32-18	18	27
ERS32-19	19	27
ERS32-20	20	27
ERS40-3	3	33.5
ERS40-4	4	33.5
ERS40-5	5	33.5
ERS40-6	6	33.5
ERS40-7	7	33.5
ERS40-8	8	33.5

Size	d	D
ERS40-9	9	33.5
ERS40-10	10	33.5
ERS40-11	11	33.5
ERS40-12	12	33.5
ERS40-13	13	33.5
ERS40-14	14	33.5
ERS40-15	15	33.5
ERS40-16	16	33.5
ERS40-17	17	33.5
ERS40-18	18	33.5
ERS40-19	19	33.5
ERS40-20	20	33.5
ERS40-21	21	33.5
ERS40-22	22	33.5
ERS40-23	23	33.5
ERS40-24	24	33.5
ERS40-25	25	33.5
ERS40-26	26	33.5

Sealing Disc Set
止水垫片套装

Size	Collet Diameter	PCS/SET
ERS16-8 PCS	3,4,5,6,7,8,9,10	8
ERS20-11 PCS	3,4,5,6,7,8,9,10,11,12,13	11
ERS25-14 PCS	3,4,5,6,7,8,9,10,11,12,13,14,15,16	14
ERS32-18 PCS	3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20	18
ERS40-24 PCS	3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21, 22,23,24,25,26	24

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	17.5	122	ER11-A
ER16A	26	147	ER16-A
ER20A	30.3	159	ER20-A

Mini

Size	B	L	Nut
ER8M	6	75	ER8-M
ER11M	10	97	ER11-M
ER16M	15	118	ER16-M
ER20M	19	130	ER20-M
ER25M	25	150	ER25-M

ER Spanner
ER 扳手

UM

Size	B	L	Nut
ER16UM	27	212	ER16-UM
ER20UM	30.7	207	ER20-UM
ER25UM	37	207	ER25-UM
ER32UM	45	252	ER32-UM
ER40UM	58	286	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	247	50-55
C25	264	56-61
C32	291	68-73
C42	346	88-96

Ball Spanner
滚珠扳手

Size	A	L
SKS06C19	19	150
SKS10C27	27	150
SKS16C30	30	150
SKS20C35	35	170
SKS16C40	41	180
SKS20C48	48	210
SKS25C55	55	260

Ball Spanner
滚珠扳手

Size	A	L
CT16-45	45	214
CT20-52	52	221
CT25-61	61	230
CT32-73	73	279
CT42-88	88	287

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

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
滚珠锁刀座

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

Tool Holder Locking Device
锁刀座

FIX

RTY

FIX

RTY

Size	Tool Holder	D1	L2	H	H2	H4	b	L5
RTY30	BT30,SK30,NT30	70	56	128	109	19	104	40
RTY40	BT40,CAT40,SK40,NT40	82	56	128	109	19	104	40
RTY50	BT50,CAT50,SK50,NT50	103	71	170	151	19	144	85
FIX30	BT30,SK30,NT30	82	58	-	-	-	-	-
FIX40	BT40,CAT40,SK40,NT40	82	58	-	-	-	-	-
FIX50	BT50,CAT50,SK50,NT50	103	71	-	-	-	-	-

Tool Holder Locking Device
锁刀座

Size	Tool Holder	L1	L2	D	H	W	P	G	Adapter
TMU40-40	BT40,BBT40	232	105	98	135	71	80	M8	TMUA40-40
TMU40-HSK63	HSK63A	232	105	98	135	71	80	M8	TMUA40-HSK63
TMU50-50	BT50,BBT50	326	150	140	185	107	114	M10	TMUA50-50
TMU50-HSK100	HSK100A	326	150	140	185	107	114	M10	TMUA50-HSK100

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

Brush Head
清洁刷装置

Reductions
转换环

Base Unit
清洁机底座

Power Supply
电源适配器

Hex Key
六角扳手

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 and hex key.

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。

- 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 系列清洁器不配六角扳手，不配转换环，适用类型 A/C/D/E/F.

BRIGHT-TOOLS

SPECIAL

MACHINING

Customer Solutions
客户解决方案

BRIGHT-TOOLS is a professional metalworking and woodworking tool holder manufacturer, beside standard tooling systems, it also supplies customized products based on drawings or samples.

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.
Surface Treatment	Blackening; Plating; Sandblasting, etc.

加工能力及范围

车削技术参数	
机器设备	数控车床
机床精度	0.001 mm
工件最大加工直径	400 mm
工件最大加工长度	650 mm
机床夹具配置	三爪；四爪
铣削技术参数	
机器设备	加工中心
机床精度	0.001 mm
工件最大加工直径	800 mm
工件最大加工宽度	500 mm
工件最大加工深度	500 mm
磨削技术参数	
机器设备	外圆磨床；内孔磨床；平面磨床
外圆磨床精度	0.001 mm
外圆磨床工件最大加工直径	200 mm
外圆磨床工件最大加工长度	1000 mm
内圆磨床精度	0.001 mm
内圆磨床工件最大加工直径	100 mm
内圆磨床工件最大加工长度	500 mm
内圆磨床工件最大加工深度	150 mm
平面磨床精度	0.005 mm
平面磨床工件最大加工长度	400 mm
平面磨床工件最大加工宽度	250 mm
平面磨床工件最大加工高度	400 mm
其他服务	
热处理	工程师有能力编排热处理相关工艺， 如退火、正火、淬火、回火、调质、渗碳等。
表面处理	发黑、电镀、喷砂等等

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.