



德州国昌机械有限公司
Dezhou Guochang Machinery Co., Ltd

精致精工·精品汇聚

Exquisite craftsmanship and boutique collection



Dezhou Guochang Machinery Co., Ltd

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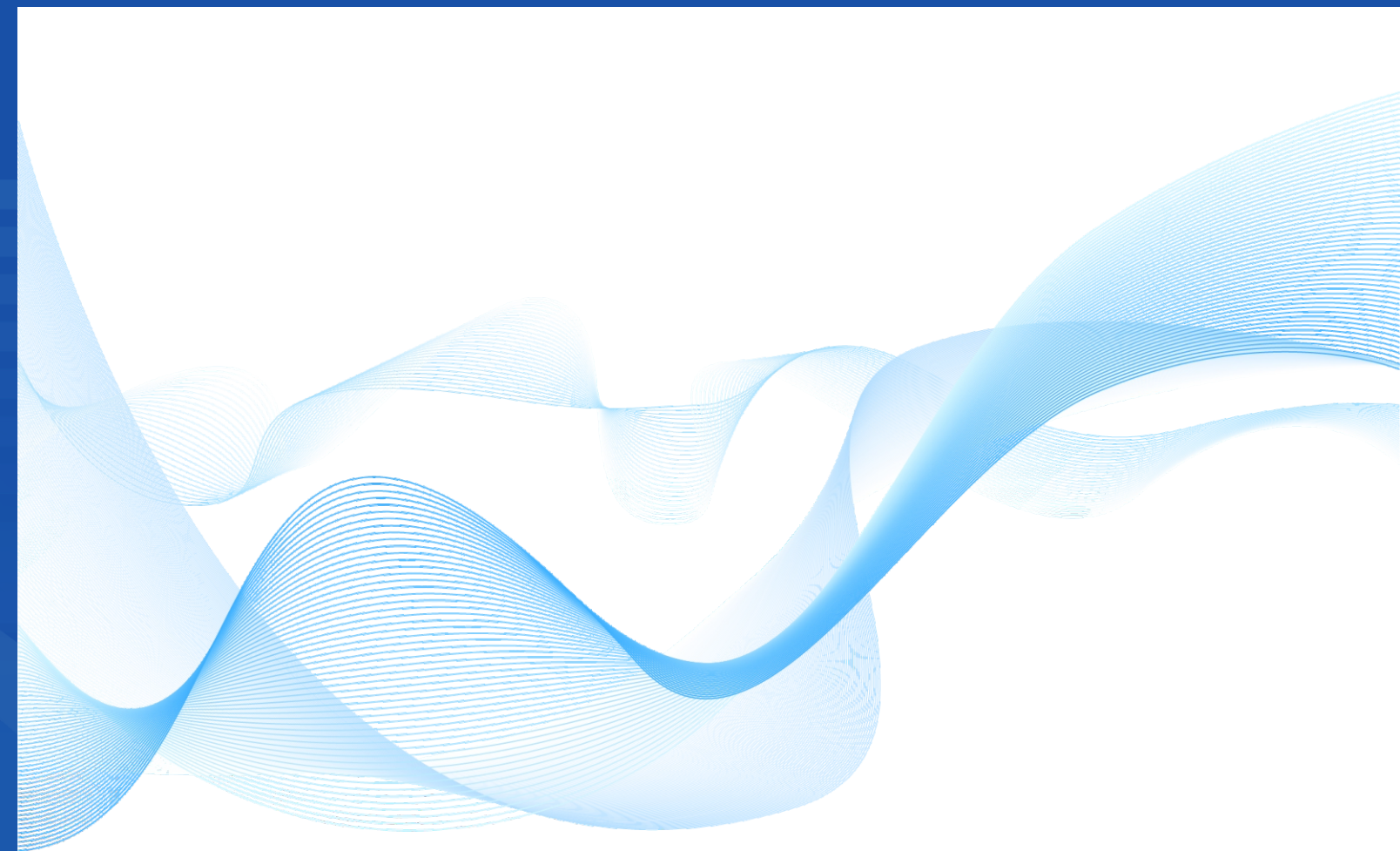
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CORPORATE BROCHURE 企业画册

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Casting miracles with strength and creating the future with sharpness



1
ONE

COMPANY PROFILE 公司简介

2005年
公司成立于

刀柄、刀杆、延长杆、夹头、压帽、扳手、锁刀座等
数控机床附件产品

Tool holders, extension rods, collets, nuts, spanners, locking devices and other accessories



研发R&D



生产produce



销售sale



服务serve



德州国昌机械有限公司 Dezhou Guochang Machinery Co., Ltd

德州国昌机械有限公司成立于2005年，专业从事数控刀具、夹具的研发、生产、销售及服务。公司主要产品有：MAS403(BT)、DIN2080(NT)、DIN69871(SK)、DIN69893(HSK)、CAT、ISO等标准的高精度刀柄系列，高精度ER、EOC、SK简夹系列产品等各类CNC精密刀具、夹具。

产品以精度稳定，规格齐全，高性价比的特点，深受广大客户青睐。公司以“求真务实 开拓进取 顾客至上”的企业精神为导向，不断提供高精度、高寿命、高性价比的产品，满足客户和市场的需求。

Dezhou Guochang Machinery Co., Ltd. was established in 2005, specializing in the research and development, production, sales and service of CNC tools and clamping chucks. The company's main products are: MAS403 (BT), DIN2080 (NT), DIN69871 (SK), DIN69893 (HSK), CAT, ISO and other standard high-precision tool holder series, high-precision ER, EOC, SK collet series products and other CNC precision tools and clamping chucks.

The products are favored by customers with the characteristics of stable precision, complete specifications and high cost performance. Guided by the enterprise spirit of "seeking truth and pragmatism, pioneering and enterprising, customer first", the company continues to provide high-precision, high-life and cost-effective products to meet the needs of customers and the market.



我们的荣誉 our honor



2 SCOPE OF BUSINESS 业务范围



3 DEVELOPMENT HISTORY THREE 发展历程

创新驱动 引领未来



全球化业务 ENTERING GLOBAL BUSINESS

企业风采 CORPORATE STYLE



扎根德州, 服务全球

国昌机械以精密智造为核心, 以客户价值为导向, 持续为精密加工、智能制造领域提供可靠支撑, 携手合作伙伴迈向工业4.0新未来。

Rooted in Dezhou, Serving the world

Guochang Machinery is driven by Precision Intelligent Manufacturing at its core and Customer Value as its guiding principle. We continuously provide reliable support for precision machining and smart manufacturing industries, collaborating with partners to stride into the new future of Industry 4.0.



企业精神 CORPORATE CULTURE

团结拼搏敢为先, 创新进取勇向前;
Unity, hard work, and courage come first, Innovation, progress, and courage to move forward

客户为本诚作帆, 质量筑基信为天;
Customers are the sail for sincerity, Quality is the foundation of trust

企业宗旨 CORPORATE PURPOSE

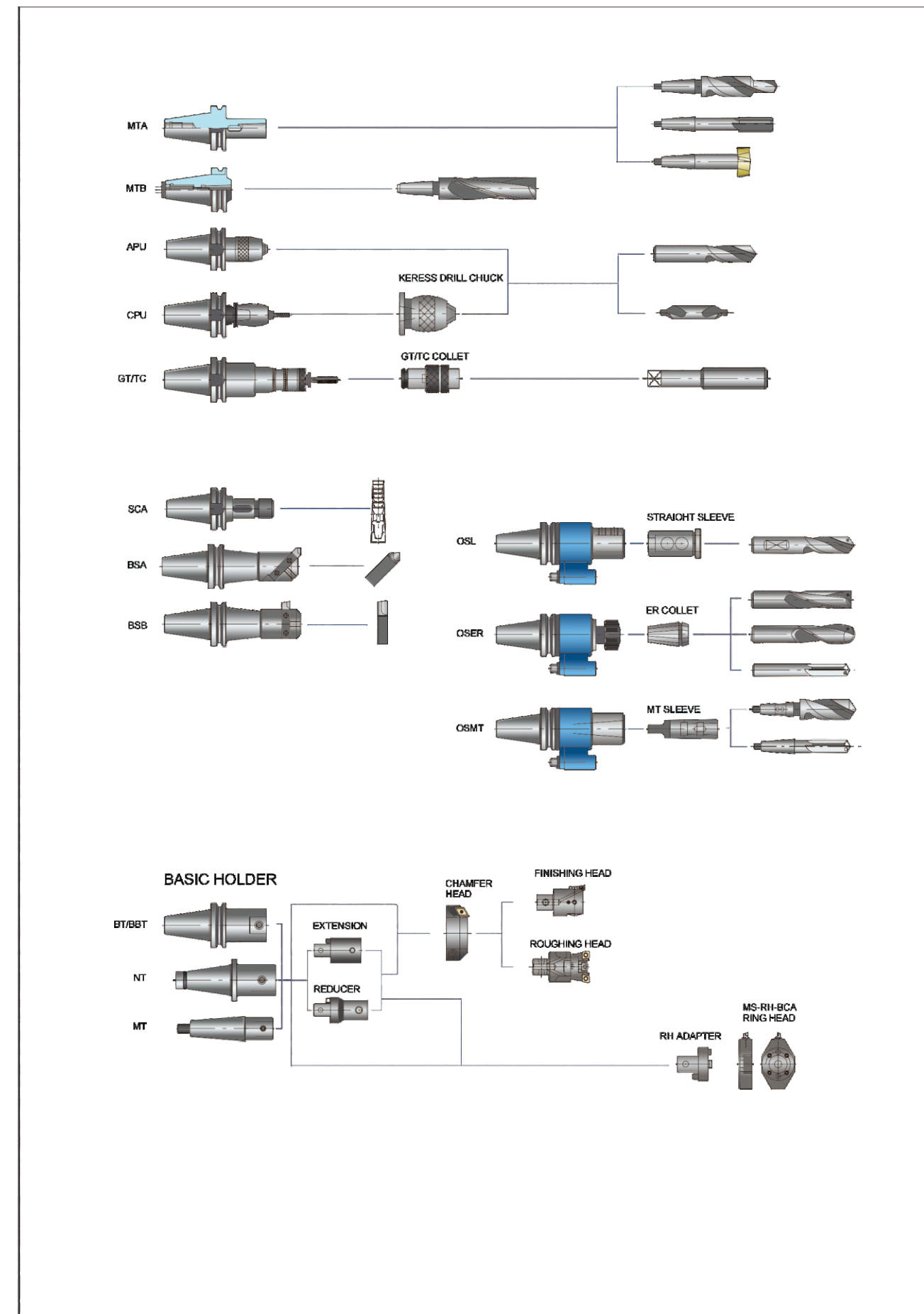
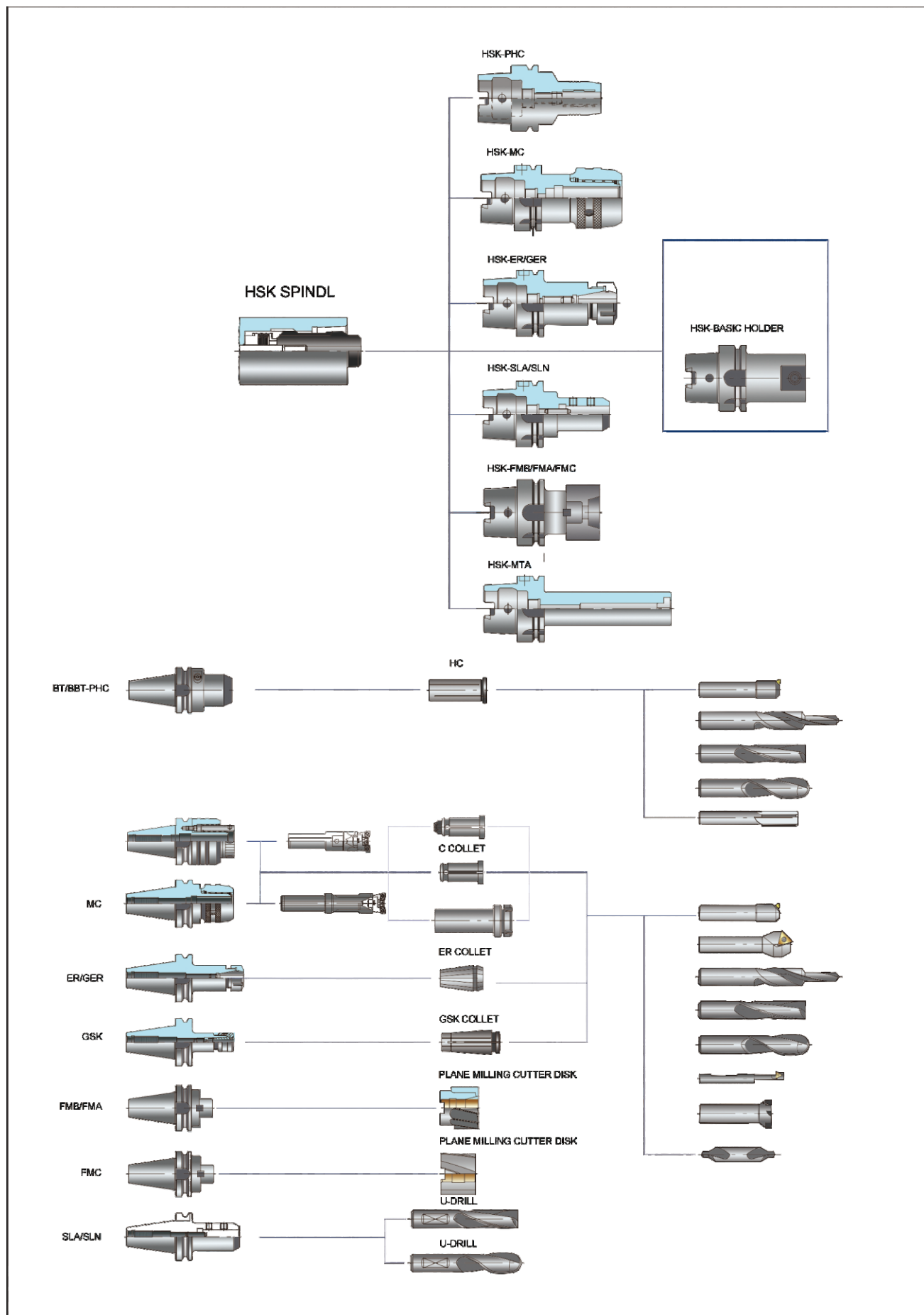
企业理念 CORPORATE PHILOSOPHY

人才为舟德掌舵, 匠心筑梦质当先;
Talents steer the ship of virtue, Craftsmanship builds dreams with quality at the forefront;

行业标杆立潮头, 百年基业共华篇;
Industry benchmarks stand at the forefront, A century old foundation of shared prosperity

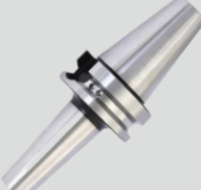
企业愿景 CORPORATE VISION

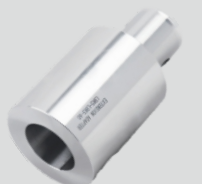




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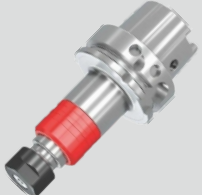
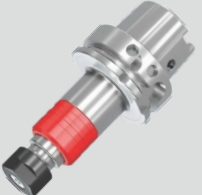
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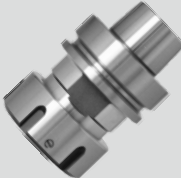
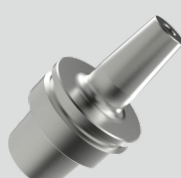
BT/BBT tool holder BT-PHC高精度液压刀柄 BT-PHC HIGH PRECISION HYDRAULIC CHUCK  P03	BT/BBT tool holder BT-HCS细长型液压 BT-HCS SLIM TYPE HYDRAULIC CHUCK  P04	BT/BBT tool holder BT-热缩刀柄4.5° BT-SF SHRINK FIT CHUCK 4.5°  P05	BT/BBT tool holder BT-SFS 热缩刀柄 3° BT-SFS SHRINK FIT CHUCK 3°  P08
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BT/BBT tool holder	BT-MTA带扁尾莫氏刀柄 BT-MTA MORSE TAPER ADAPTER	BT/BBT tool holder	BT-MTB无扁尾莫氏刀柄 BT-MTB MORSE TAPER ADAPTER	BT/BBT tool holder	BT主轴验棒 BT TEST BAR	BT/BBT tool holder	BT-基础柄刀柄 BT BASIC TOOL HOLDER
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LBK BROING TOOL HOLDER	BT-SCA侧铣刀柄 BT-SCA SIDE CUTTER ADAPTER	LBK BROING TOOL HOLDER	BT-LBK镗头刀柄 BT-LBK BORING HEAD SHANK	LBK BROING TOOL HOLDER	LBK等径镗刀延长杆 LBK EXTENSION CONSTANT DIAMETER	LBK BROING TOOL HOLDER	LBK异径镗刀延长杆 LBK EXTENSION REDUCING
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SK tool holder	SK-GER高速筒夹刀柄 SK-GER HIGH SPEED COLLET CHUCK	SK tool holder	SK-SK 高速筒夹刀柄 SK-SK HIGH SPEED COLLET CHUCK	SK tool holder	SK-SDC 后拉式刀柄 SK-SDC COLLET CHUCK	SK tool holder	SK-MC 强力刀柄 SK-MC POWER MILLING CHUCK
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SK tool holder	SK-CPU一体式钻夹头刀柄 SK-CPU DRILL CHUCK	SK tool holder	SK-TC 同步丝锥刀柄 SK-TC SYNCHRO TAPPING CHUCK	SK tool holder	SK-GT同步丝锥刀柄 SK-GT SYNCHRO TAPPING CHUCK	SK tool holder	SK-TER 刚性攻丝刀柄 SK-TER RIGID TAPPING CHUCK
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SK tool holder	SK-OZ筒夹刀柄 SK-OZ Collet Chuck	SK tool holder	SK-MTA莫氏刀柄 SK-MTA MORSE TAPER ADAPTER	SK tool holder	SK-MTB莫氏刀柄 SKMTB MORSE TAPER ADAPTER	SK tool holder	SK-主轴验棒 SK TEST BAR
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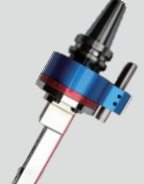
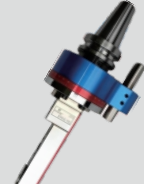
CAT tool holder CAT-GSK 高速刀柄 CAT-GSK HIGH SPEED COLLET CHUCK	CAT tool holder CAT-SLA 侧固刀柄 CAT-SLA SIDE LOCK END MILL HOLDER	CAT tool holder CAT-JT 钻接杆 CAT-JT DRILL CHUCK ADAPTER	CAT tool holder CAT-APU 一体式钻头刀柄 CAT-APU DRILL CHUCK
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CAT tool holder CAT-M 直柄锁牙刀柄 CAT-M SCREWED HOLDER	CAT tool holder CAT-BOM 锥柄锁牙刀柄 CAT-BOM SCREWED HOLDER	CAT tool holder CAT-主轴验棒 CAT TEST BAR	
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HSK-A tool holder HSK-A ER 弹性筒夹刀柄 HSK-A ER COLLET CHUCK	HSK-A tool holder HSK-A ER-M 弹性筒夹刀柄 HSK-A ER-M COLLET CHUCK	HSK-A tool holder HSK-A GER 高速筒夹刀柄 HSK-A GER HIGH SPEED COLLET CHUCK	HSK-A tool holder HSK-A GSK 高速刀柄 HSK-A GSK HIGH-SPEED COLLET CHUCK
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HSK-A tool holder HSK-A SDC 后拉刀柄 HSK-A SDC COLLET CHUCK	HSK-A tool holder HSK-A OZ 筒夹刀柄 HSK-A OZ COLLET CHUCK	HSK-A tool holder HSK-A MC 强力刀柄 HSK-A MC POWER MILLING CHUCK	HSK-A tool holder HSK-A FMB 面铣刀柄 HSK-A FMB FACE MILLING HOLDER
 P85	 P86	 P86	 P87

HSK-A tool holder HSK-A FMA 英制面铣刀柄 HSK-A FMA INCH FACE MILLING HOLDER	HSK-A tool holder HSK-A SEMC 混插式面铣刀柄 HSK-A SEMC COMBI SHELL MILL HOLDER	HSK-A tool holder HSK-A SLA 侧固刀柄 HSK-A SLA END MILL HOLDER	HSK-A tool holder HSK-A APU 钻头刀柄 HSK-A APU DRILL CHUCK
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 P92	 P93	 P94	 P95
HSK-A tool holder HSK-A GT 同步丝锥刀柄 HSK-A GT TAPPING CHUCK	HSK-A tool holder HSK-A TER 刚性攻丝刀柄 HSK-A TER RIGID TAPPING CHUCK	HSK-A tool holder HSK-A VER 刚性攻丝刀柄 HSK-A VER RIGID TAPPING CHUCK	HSK-A tool holder HSK-A BOM 锥柄锁牙刀柄 HSK-A BOM SCREWED HOLDER
 P95	 P96	 P96	 P97
HSK-A tool holder HSK-A M 直柄锁牙刀柄 HSK-A M SCREWED HOLDER	HSK-A tool holder HSK-A ATC 校刀器 HSK-A ATC ALIGNMENT TOOL SET	HSK-A tool holder HSK-A 主轴检验棒 HSK-A TEST BAR	HSK-A tool holder HSK-A 基础柄 HSK-A BASIC TOOL HOLDER
 P98	 P98	 P99	 P99
HSK-E tool holder HSK-E PHC 液压刀柄 HSK-E PHC HYDRAULIC HOLDER	HSK-E tool holder HSK-E SF 4.5° 热缩刀柄 HSK-E SF SHRINK FIT CHUCK 4.5°	HSK-E tool holder HSK-E SF 3° 热缩刀柄 HSK-E SF SHRINK FIT CHUCK 3°	HSK-E tool holder HSK-E ER 弹性夹头刀柄 HSK-E ER COLLET CHUCK
 P103	 P104	 P107	 P107

HSK-E tool holder	HSK-E GER高速筒夹刀柄 HSK-E GER HIGH SPEED COLLET CHUCK	HSK-E tool holder	HSK-E GSK 高速筒夹刀柄 HSK-E GSK HIGH-SPEED COLLET CHUCK	HSK-E tool holder	HSKE- SDC后拉刀柄 HSK-E SDC COLLET CHUCK	HSK-E tool holder	HSK-E OZ筒夹刀柄 HSK-E OZ COLLET CHUCK
	P109		P110		P111		P111
HSK-E tool holder	HSK-E MC强力刀柄 HSK-E MC POWER MILLING CHUCK	HSK-E tool holder	HSK-E FMB面铣刀柄 HSK-E FMB FACE MILLING CHUCK	HSK-E tool holder	HSK-E SLA侧固刀柄 HSK-E SLA END MILL HOLDER	HSK-E tool holder	HSK-E APU钻夹头刀柄 HSK-E APU DRILL CHUCK
	P112		P112		P113		P114
HSK-E tool holder	HSK-E 主轴检测棒 HSK-E TEST BAR	HSK-F tool holder	HSK-F PHC液压刀柄 HSK-F PHC HYDRAULIC HOLDER	HSK-F tool holder	HSK-F SF 4.5° 热缩刀柄 HSK-F SF SHRINK FIT CHUCK4.5°	HSK-F tool holder	HSK-F SFS 3° 热缩刀柄 HSK-F SF SHRINK FIT CHUCK3°
	P114		P116		P117		P119
HSK-F tool holder	HSK-F ER弹性筒夹刀柄 HSK-F ER COLLET CHUCK	HSK-F tool holder	HSK-F GER高速筒夹刀柄 HSK-F GER HIGH SPEED COLLET CHUCK	HSK-F tool holder	HSK-F GSK 高速刀柄 HSK-F GSK HIGH-SPEED HOLDER	HSK-F tool holder	HSK-F OZ 筒夹刀柄 HSK-F OZ COLLET CHUCK
	P120		P121		P122		P122
HSK-F tool holder	HSK-F MC强力刀柄 HSK-F MC POWER MILLING CHUCK	HSK-F tool holder	HSK-F FMB面铣刀柄 HSK-F FMB FACE MILLING CHUCK	HSK-F tool holder	HSK-F APU钻夹头刀柄 HSK-F APU DRILL CHUCK	HSK-F tool holder	HSK-F 主轴测量棒 HSK-F TEST BAR
	P123		P123		P124		P124

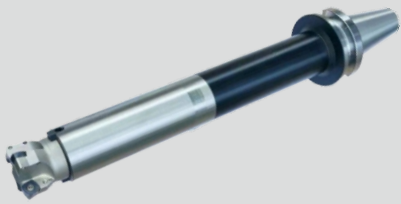
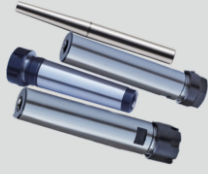
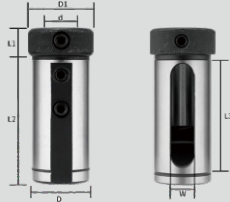
HSK-T	CC type for through -spindle coolant	HSK-T	CN type for nozzle -coolant	HSK-T	SV type for external turning and cutting off	HSK-T	SA type for external / face turning
	T63-CC32-90 P125		T63-CN32-95 P126		T63-SV2525R-105 P127		T63-SA2525-105 P127
HSK-T	SB type for external / face turning	HSK-T	SC type for external / face turning	HSK-T	SN type for external / face turning	HSK-T	SH type for face turning
	T63-SB2525-95 P128		T63-SC2020R-105 P128		T63-SN2525R-110 P128		T63-SH2525-90 P129
NT tool holder	NT-ER弹性夹头刀柄 NT-ER COLLET CHUCK	NT tool holder	NT-OZ筒夹刀柄 NT-OZ COLLET CHUCK	NT tool holder	NT-FMB面铣刀柄 NT-FMB FACE MILLING HOLDER	NT tool holder	NT-SEMC混合插入式铣刀柄 NT-SEMC COMBI SHELL MILL HOLDER
	P131		P131		P132		P132
NT tool holder	NT-SLA侧固刀柄 NT-SLA END MILL HOLDER	NT tool holder	NT-MC强力铣刀柄 NT-MC POWER MILLING CHUCK	NT tool holder	NT-MTA莫氏刀柄 NT-MTA MORSE TAPER ADAPTER	NT tool holder	NT-MTB莫氏刀柄 NT-MTB MORSE TAPER ADAPTER
	P133		P134		P134		P135
NT tool holder	NT-APU 钻夹头刀柄 NT-APU DRILL CHUCK	NT tool holder	NT-TC同步攻丝刀柄 NT-TC TAPPING CHUCK	ISO tool holder	ISO-ER 筒夹刀柄 ISO-ER COLLET CHUCK	ISO tool holder	ISO-GER 高速筒夹刀柄 ISO-GER HIGH SPEED COLLET CHUCK
	P135		P136		P138		P139

ISO tool holder	ISO-GSK 高速刀柄 ISO-GSK HIGH SPEED COLLET CHUCK	ISO tool holder	ISO-FMB平面铣刀柄 ISO-FMB FACE MILLING HOLDER	ISO tool holder	ISO-APU钻夹头刀柄 ISO-APU DRILL CHUCK		
							
	P140		P140		P140		
VDI	短型横向右刀夹 Radial Holder Form BI Right, Short	VDI	短型横向左刀夹 Radial Holder Form BI Right, Left	VDI	短型横向反切右刀夹 Radial Holder Form B3 Inverted Right, Short	VDI	短型横向反切左刀夹 Radial Holder Form B4 Inverted Left, Short
							
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VDI	长型横向右刀夹 Radial Holder Form B5 Right, Long	VDI	长型横向左刀夹 Radial Holder Form B6 Left, Long	VDI	长型横向反切右刀夹 Radial Holder Form B7 Inverted Right, Long	VDI	长型横向反切左刀夹 Radial Holder Form B8 Inverted Left, Long
							
	P144		P144		P145		P145
VDI	纵向右刀夹 Axial Holder Form C1 Right	VDI	纵向左刀夹 Axial Holder Form C2 Left	VDI	纵向反切右刀夹 Axial Holder Form C3 Inverted Right	VDI	纵向反切左刀夹 Axial Holder Form C4 Inverted Left
							
	P146		P146		P147		P147
VDI	多座刀夹 Rectangular Holder with Multiple Seats Form D1	VDI	多座反切刀夹 Rectangular Holder with Multiple Seats Form D2 Inverted	VDI	可转位浅孔钻刀夹 Boring Holder for Indexable Insert Drill Form E1	VDI	镗孔刀夹 Boring Holder Form E2
							
	P148		P148		P149		P150

VDI	OZ 夹头刀柄 OZ Collet Chuck Form E3	VDI	E6镗孔刀夹 E6 Boring toolholder	VDI	ER 夹头刀柄 ER Collet Chuck Form E4	VDI	带扁尾莫氏刀柄 Morse Taper Adapter Form F
							
	P152		P153		P154		P155
VDI	Q1切槽右刀夹 Cut-off holder form Q1, right	VDI	Q2切槽左刀夹 Cut-off holder form Q2, left	VDI	Q3切槽右刀夹(刀具反装) Cut-off holder form Q3, right, overhead	VDI	Q4切槽右刀夹(刀具反装) Cut-off holder form Q4, left, overhead
							
	P156		P156		P157		P157
VDI	圆形基础柄 Round Soft Blank Form A2	VDI	弹性快换攻丝刀柄 Quick Change Tapping Chuck with Length Compensation	VDI	保护塞 Protection Plug Form Z2	VDI	VDI刀座锁紧销 FIXING PIN
							
	P158		P158		P159		P159
ANGLED HEAD	AGH 90-D3 小孔型 90度角度头/90 Angle head	ANGLED HEAD	AGH 90-D4-100 小孔型 90度角度头/90 Angle head	ANGLED HEAD	小孔型 AGF90-D6-100 窄型 角度头/90 Angle head	ANGLED HEAD	AGH BT30-ER16C 轻型 90度角度头/90 Angle head
							
	P161		P161		P162		P162
ANGLED HEAD	AGH BT30-ER20C 轻型 90度角度头/90 Angle head	ANGLED HEAD	AGH BT30-ER25C 轻型 90度角度头/90 Angle head	ANGLED HEAD	AGH 90-ER25C-2轻型 双头 双出型 角度头/90 Angle head	ANGLED HEAD	AGH 90-ER20C-2轻型 双头 双出型 角度头/90 Angle head
							
	P163		P163		P164		P164

ANGLED HEAD AGH 90-ER16C-2轻型 双头 双出型 角度头/90 Angle head	ANGLED HEAD AGH 90-ER11M小孔型 90度角度头/90 Angle head	ANGLED HEAD AGH 90-ER11标准型 90度角度头/90 Angle head	ANGLED HEAD AGH 90-ER16M小孔型 90度角度头/90 Angle head
 P165	 P165	 P166	 P166
ANGLED HEAD AGH 90-ER20MX型 90度角度头/90 Angle head	ANGLED HEAD AGH 90-ER25M型 90度角度头/90 Angle head	ANGLED HEAD AGH 90-ER32M可选 90度角度头/90 Angle head	ANGLED HEAD AGH 90-ER16标准型 90度角度头/90 Angle head
 P167	 P167	 P168	 P168
ANGLED HEAD AGH 90-ER20标准型 90度角度头/90 Angle head	ANGLED HEAD AGH 90-ER25标准型 90度角度头/90 Angle head	ANGLED HEAD 常规型 爆款型 角度头 90-ER32A标准型	ANGLED HEAD AGH 90-ER32QL强力型 90度角度头/90 Angle head
 P169	 P169	 P170	 P170
ANGLED HEAD AGH 90-ER40输出型 90度角度头/90 Angle head	ANGLED HEAD AGH 90-BT30输出型 90度角度头/90 Angle head	ANGLED HEAD AGH90-BT40输出型 90度角度头/90 Angle head	ANGLED HEAD AGH90-BT50标准型 90度角度头/90 Angle head
 P171	 P171	 P172	 P172
ANGLED HEAD AGH90-ER16x2双头型 双出型 角度头/90 Angle head	ANGLED HEAD AGH90-ER20x2双头型 双出型 角度头/90 Angle head	ANGLED HEAD AGH90-ER25x2双头型 双出型 角度头/90 Angle head	ANGLED HEAD AGH90-ER32x2强力双头型 双出型 角度头/90 Angle head
 P203	 P173	 P174	 P174

ANGLED HEAD AGH90-ER40x2双头型 双出型角度头/90 Angle head	ANGLED HEAD AGH90-BT30x2双头型 双出型角度头/90 Angle head	ANGLED HEAD AGH90-BT40x2双头型 双出型角度头/90 Angle head	ANGLED HEAD AGH-BT50x2双出重型 双出型角度头/90 Angle head
 P175	 P175	 P176	 P176
ANGLED HEAD AGH90-FMB50 刀盘型角度头/90 Angle head	ANGLED HEAD AGH90-FMB63 刀盘型角度头/90 Angle head	ANGLED HEAD AGH90-FMB80 刀盘型角度头/90 Angle head	ANGLED HEAD 万能角度头-AZU/ER16 万能角度头0-90度/Angle head
 P177	 P177	 P178	 P178
ANGLED HEAD 万向 中心输出型 万向铣头0-90度/ZU-ER20	ANGLED HEAD 万向 中心输出型A 万向铣头0-90度/ZU-ER25	ANGLED HEAD 万向 中心输出型 万向铣头0-90度/ZU-ER32	ANGLED HEAD 偏置型万向型ALU/ER20 角度头/UNIVERSAL ANGLE HEAD
 P179	 P179	 P180	 P180
ANGLED HEAD 偏置万向型ALU/ER25 万向角度头/UNIVERSAL ANGLE HEAD	ANGLED HEAD 万向型ALU/ER32 万向角度头/UNIVERSAL ANGLE HEAD	ANGLED HEAD 万向型ALU/BT40中型 万向角度头/UNIVERSAL ANGLE HEAD	ANGLED HEAD FST45度-ER25 角度头/45°Angle head
 P181	 P181	 P182	 P182
ANGLED HEAD FST45度ER32 角度头/90 Angle head	ANGLED HEAD AGH90-L-ER11 角度头/UNIVERSAL ANGLE HEAD	ANGLED HEAD AGH90-L-ER16M 角度头/UNIVERSAL ANGLE HEAD	ANGLED HEAD 内缩式L-ER25M 角度头/UNIVERSAL ANGLE HEAD
 P183	 P183	 P184	 P184

ANGLED HEAD 偏置型AGH-BT40型 万向角度头/UNIVERSAL ANGLE HEAD  P185	ANGLED HEAD 偏置型AGH90-F80-180L 偏置型 F80D/FMB22/Anglehead  P185	ANGLED HEAD 锯片铣刀型AGH90JP50-2 锯片角度头/UNIVERSAL ANGLE HEAD  P186	ANGLED HEAD 龙门重型加长铣头BT50 重型角度头/Anglehead  P186
抗振刀杆系列 Anti-vibration tool holder  P187-P204			
ACCESSORIES SERIES 顶尖系列 Center Series  P205	ACCESSORIES SERIES 平口钳系列 PRECISION TOOL VISES  P209	ACCESSORIES SERIES 刀盘系列 CUTTER HEAD SERIES  P212	ACCESSORIES SERIES 螺母系列 Nut Series  P221
ACCESSORIES SERIES 锁牙头 Boring Head with Locktooth  P222	ACCESSORIES SERIES 延长杆 Extension rods  P223	ACCESSORIES SERIES 筒夹系列 COLLET SERIES  P227	ACCESSORIES SERIES 拉钉系列 PULL STUD SERIES  P236
ACCESSORIES SERIES 扳手系列 SPANNER SERIES  P239	ACCESSORIES SERIES 车床刀套 Lathe sleeve  P240	ACCESSORIES SERIES 5C夹具 5C FIXTURE  P241	ACCESSORIES SERIES 锁刀座 Locking Device  P242

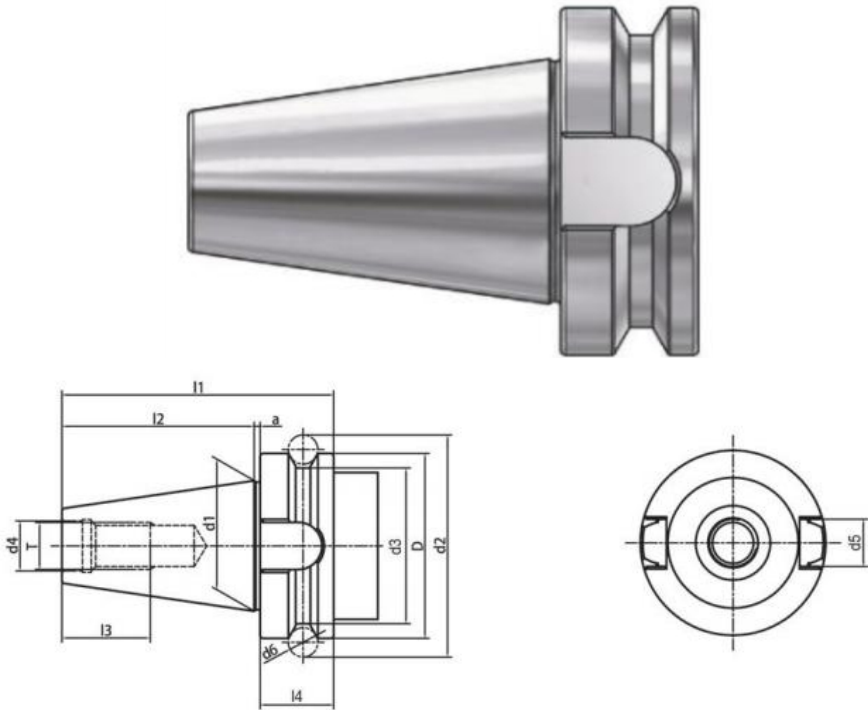
ACCESSORIES SERIES 快换刀架 Quick-change tool holders  P243-250	ACCESSORIES SERIES 巡边器 EDGE FINDER  P251	ACCESSORIES SERIES 分度头 DIVIDING HEAD  P252	ACCESSORIES SERIES 平行块 PARALLEL BLOCK  P254
ACCESSORIES SERIES 58件套夹具 58-PC CLAMPING KIT  P256	ACCESSORIES SERIES 小型设备 Compact machine  P256	模块化快换夹持系统 Modular quick-change clamping system  P258	

BT/BBT刀柄系列

BT/BBT HOLDER SERIES



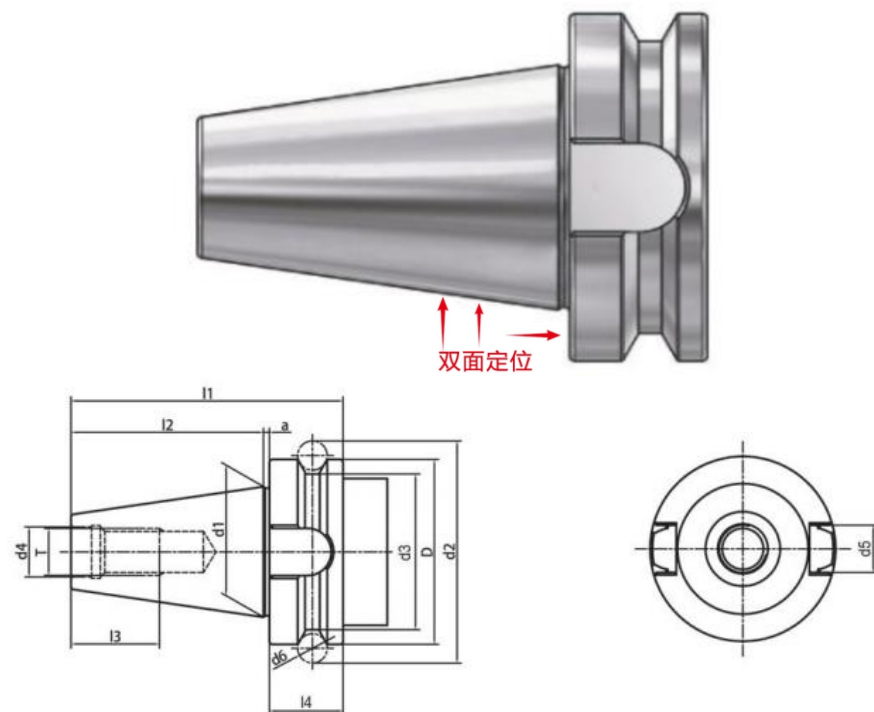
BT Taper Standard BT锥柄标准



Size	D	d1	d2	d3	d4	d5	d6	l1	l2	l3	l4	d	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

- 1.锥形精度<AT3
 - 2.基本材料:JIS-SCM415。
 - 3.表面处理:工艺发蓝, 抛光
 - 4.硬度>HRC56-58;渗碳深度>0.8mm。
 - 5.真圆度<0.8um
 - 6.表面粗糙度:Ra< 0.25 um。
 - 7.ER.EOC、EMA.FMB.MC.MLK、MLD、MLTSCK、MCK、CK、SFA、SK、SLN(DINFID、JIS)BOMTG 均符合:通过刀杆主体中心漏水规范UIS MAS 403 和 B6339-AD)。
 - 8.手柄具有 G6.3 的预平衡, 并可根据要求提供 G2.5 的精密平衡
 - 9.柄体标准:JIS MAS403和JIS B6339
- 1.Taper tolerance<AT3
 - 2.Basic Material:JIS-SCM415
 - 3.Surface Treatment:Anti-rust treatment;Polishing treatment
 - 4.Hardness>HRC56-58;Carbon depth>0.8um
 - 5.Roundness<0.8um
 - 6.Surface roughness:Ra<0.25um
 - 7.ER.EOC,FMA.FMB.MLC.MLK,MLD,MLTSCK,MCK,CK,SFA,SK,SLN(DINFID,JIS)BOM TG all tally:Through cutter bar main body center water leakage specification(JIS MAS 403 和 B6339-AD)
 - 8.The shank has pre-balance at G6.3,and can provide percision balance at G2.5,made by request.
 - 9.Shank body standard:JIS MAS403 andJIS B6339

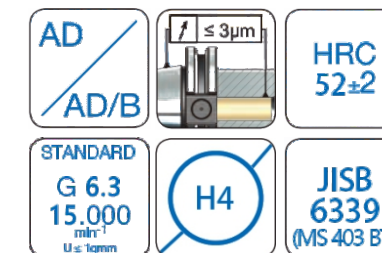
BBT Taper Standard BBT锥柄标准



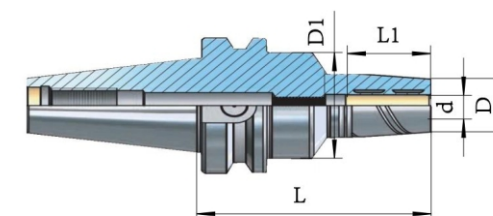
Size	D	d1	d2	d3	d4	d5	d6	l1	l2	l3	l4	d	$\frac{a}{-0.005}$	T
BBT30	46	31.75	56.144	38	12.5	16.1	8	70.4	48.4	24	20	2	1	M12*1.75
BBT40	63	44.45	75.679	53	17	16.1	10	92.4	65.4	30	25	2	1	M16*2.0
BBT50	100	69.85	119.019	85	25	25.7	15	139.8	101.8	45	35	3	1.5	M24*3.0

- 1.锥形精度<AT3
- 2.基本材料:JIS-SCM415。
- 3.表面处理:工艺发蓝, 抛光
- 4.硬度>HRC56-58;渗碳深度>0.8mm。
- 5.真圆度<0.8um
- 6.表面粗糙度:Ra<0.25 um。
- 7.ER.EOC、EMA.FMB.MC.MLK、MLD、MLTSCCK、MCK、CK、SFA、SK、SLN(DINFID、JIS)BOMTG 均符合:通过刀杆主体中心漏水规范UIS MAS 403 和 B6339-AD)。
- 8.手柄具有 G6.3 的预平衡, 并可根据要求提供 G2.5 的精密平衡
- 9.柄体标准:JIS MAS403和JIS B6339
- 1.Taper tolerance<AT3
- 2.Basic Material:JIS-SCM415
- 3.Surface Treatment:Anti-rust treatment;Polishing treatment
- 4.Hardness>HRC56-58;Carbon depth>0.8um
- 5.Roundness<0.8um
- 6.Surface roughness:Ra<0.25um
- 7.ER.EOC,FMA.FMB.MLC.MLK,MLD,MLTSCCK,MCK,CK,SFA,SK,SLN(DINFID,JIS)BOM TG all tally:Through cutter bar main body center water leakage specification(JIS MAS 403 和 B6339-AD)
- 8.The shank has pre-balance at G6.3,and can provide percision balance at G2.5,made by request.
- 9.Shank body standard:JIS MAS403 andJIS B6339

BT-PHC高精度液压刀柄 BT-PHC HIGH PRECISION HYDRAULIC CHUCK



订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990250.300675	BT30-PHC06-75	6	30	46	75	28	0.81
990250.300875	BT30-PHC08-75	8	32	46	75	28	0.82
990250.301075	BT30-PHC10-75	10	34	46	75	32	0.83
990250.301275	BT30-PHC12-75	12	36	46	75	37	0.84
990250.301490	BT30-PHC14-90	14	38	46	90	37	0.96
990250.301690	BT30-PHC16-90	16	40	46	90	40	1
990250.3016120	BT30-PHC16-120	16	40	46	120	40	1.43
990250.301890	BT30-PHC18-90	18	42	46	90	40	1
990250.302090	BT30-PHC20-90	20	40	46	90	42	1.07
990250.3020120	BT30-PHC20-120	20	40	46	120	42	1.43
990250.3025105	BT30-PHC25-105	25	55	63	105	48	1.64
990250.3032105	BT30-PHC32-105	32	60	74	105	52	1.83
990250.400675	BT40-PHC06-75	6	28	46	75	28	1.27
990250.400690	BT40-PHC06-90	6	28	46	90	28	1.37
990250.4006120	BT40-PHC06-120	6	28	46	120	28	1.8
990250.400875	BT40-PHC08-75	8	30	48	75	28	1.29
990250.400890	BT40-PHC08-90	8	30	48	90	28	1.43
990250.4008120	BT40-PHC08-120	8	30	48	120	28	1.85
990250.401075	BT40-PHC10-75	10	36	52	75	32	1.43
990250.401090	BT40-PHC10-90	10	36	52	90	32	1.53
990250.4010120	BT40-PHC10-120	10	36	52	120	32	1.95
990250.401275	BT40-PHC12-75	12	38	54	75	37	1.46
990250.401290	BT40-PHC12-90	12	38	54	90	37	1.58
990250.4012120	BT40-PHC12-120	12	38	54	120	37	2.05
990250.401475	BT40-PHC14-75	14	40	56	75	37	1.5
990250.401490	BT40-PHC14-90	14	40	56	90	37	1.65
990250.401675	BT40-PHC16-75	16	42	58	75	40	1.5
990250.401690	BT40-PHC16-90	16	42	58	90	40	1.65
990250.4016120	BT40-PHC16-120	16	42	58	120	40	2.3
990250.401875	BT40-PHC18-75	18	44	59	75	40	1.52
990250.401890	BT40-PHC18-90	18	44	59	90	40	1.62
990250.402075	BT40-PHC20-75	20	46	60	75	42	1.52
990250.402090	BT40-PHC20-90	20	46	60	90	42	1.7
990250.4020120	BT40-PHC20-120	20	46	60	120	42	2.32
990250.4020150	BT40-PHC20-150	20	43	50	150	42	2.35
990250.4025105	BT40-PHC25-105	25	52	62	105	48	2
990250.4032105	BT40-PHC32-105	32	62	72	105	52	2.3
990250.5006105	BT50-PHC06-105	6	28	46	105	28	4.08



产品配件



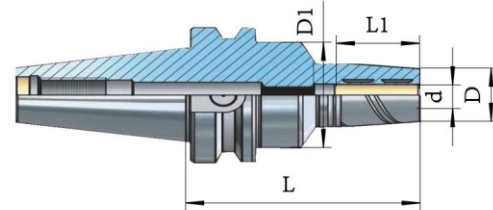
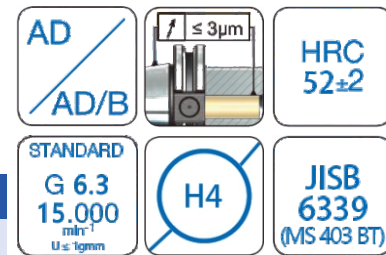
备注:本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.



BT-PHC高精度液压刀柄

BT-PHC HIGH PRECISION HYDRAULIC CHUCK

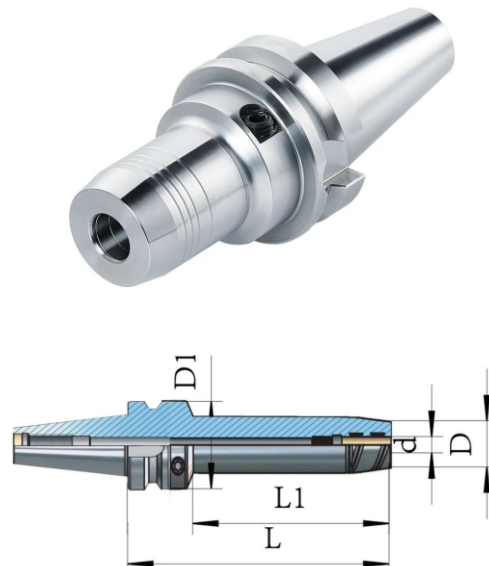
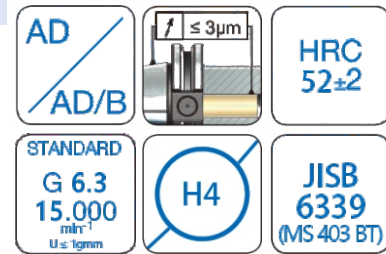
订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990250.5008105	BT50-PHC08-105	8	30	48	105	28	4.12
990250.5010105	BT50-PHC10-105	10	36	52	105	32	4.24
990250.5012105	BT50-PHC12-105	12	38	54	105	37	4.32
990250.5014105	BT50-PHC14-105	14	40	56	105	37	4.4
990250.5016105	BT50-PHC16-105	16	42	58	105	40	4.45
990250.5018105	BT50-PHC18-105	18	44	59	105	40	4.44
990250.5020105	BT50-PHC20-105	20	46	60	105	42	4.5
990250.5025120	BT50-PHC25-120	25	52	62	120	48	4.67
990250.5032120	BT50-PHC32-120	32	62	72	120	52	5.08
990250.5006150	BT50-PHC06-150	6	28	46	150	28	4.5
990250.5008150	BT50-PHC08-150	8	30	48	150	28	4.54
990250.5010150	BT50-PHC10-150	10	36	52	150	32	4.66
990250.5012150	BT50-PHC12-150	12	38	54	150	37	4.74
990250.5016150	BT50-PHC16-150	16	42	58	150	40	4.85
990250.5020150	BT50-PHC20-150	20	46	60	150	42	4.85
990250.5016150	BT50-PHC25-150	25	52	62	150	48	5.35
990250.5020150	BT50-PHC32-150	32	62	72	150	52	5.75



BT-HCS 细长型液压刀柄

BT-HCS SLIM TYPE HYDRAULIC CHUCK

订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990249.4006140	BT40-HCS06-140	6	26	49.5	140	28	2.18
990249.4008140	BT40-HCS08-140	8	28	49.5	140	28	2.11
990249.4010140	BT40-HCS10-140	10	30	49.5	140	32	2.11
990249.4012140	BT40-HCS12-140	12	32	49.5	140	37	2.22
990249.4014140	BT40-HCS14-140	14	34	49.5	140	37	2.22
990249.4016140	BT40-HCS16-140	16	38	49.5	140	40	2.1
990249.4018140	BT40-HCS18-140	18	40	49.5	140	40	2.15
990249.4020140	BT40-HCS20-140	20	42	49.5	140	42	2.18
990249.4025140	BT40-HCS25-140	25	49.5	55	140	48	2.7
990249.4032140	BT40-HCS32-140	32	56	63	140	52	3
990249.5006140	BT50-HCS06-140	6	26	49.5	140	28	4.87
990249.5008140	BT50-HCS08-140	8	28	49.5	140	28	4.9
990249.4010140	BT50-HCS10-140	10	30	49.5	140	32	4.9



备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.



BT-HCS 细长型液压刀柄

BT-HCS SLIM TYPE HYDRAULIC CHUCK

订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990249.4012140	BT50-HCS12-140	12	32	49.5	140	37	4.9
990249.4014140	BT50-HCS14-140	14	34	49.5	140	37	4.6
990249.4016140	BT50-HCS16-140	16	38	49.5	140	37	4.8
990249.4018140	BT50-HCS18-140	18	40	49.5	140	40	4.8
990249.4020140	BT50-HCS20-140	20	42	49.5	140	42	5
990249.4025140	BT50-HCS25-140	25	55	60	140	48	5.5
990249.4032140	BT50-HCS32-140	32	63	70	140	52	5

产品配件

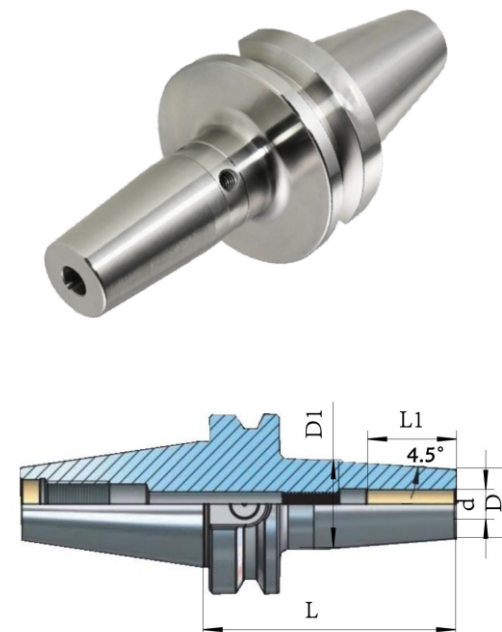
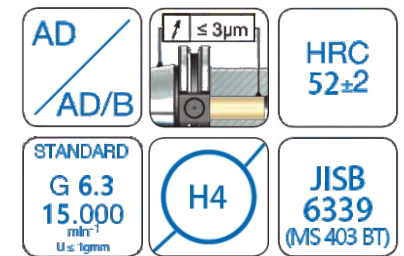
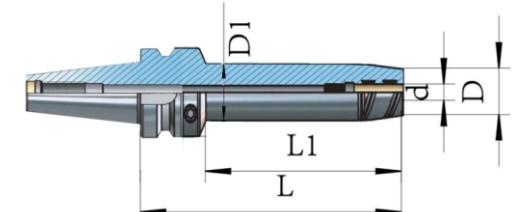
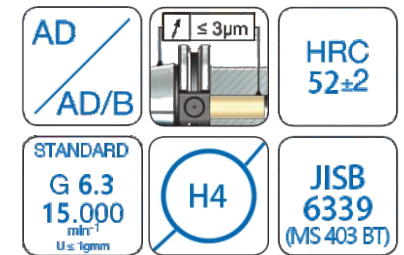


BT-SF热缩刀柄, 标准型

BT-SF SHRINK FIT CHUCK 4.5°

订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990248.300380	BT30-SF03-80	3	9	16	80	14	0.44
990248.300480	BT30-SF04-80	4	10	18	80	17	0.5
990248.300580	BT30-SF05-80	5	11	18	80	20	0.5
990248.300680	BT30-SF06-80	6	21	27	80	36	0.6
990248.300880	BT30-SF08-80	8	21	27	80	36	0.6
990248.301080	BT30-SF10-80	10	24	32	80	42	0.65
990248.301280	BT30-SF12-80	12	24	32	80	47	0.65
990248.301480	BT30-SF14-80	14	27	34	80	47	0.67
990248.301680	BT30-SF16-80	16	27	34	80	50	0.67
990248.301880	BT30-SF18-80	18	33	42	80	50	0.8
990248.302080	BT30-SF20-80	20	33	42	80	52	0.8
990248.400380	BT40-SF03-80	3	9	16	80	14	1.05
990248.400480	BT40-SF04-80	4	10	18	80	17	1.05
990248.400580	BT40-SF05-80	5	15	18	80	20	1.05
990248.400690	BT40-SF06-90	6	21	27	90	36	1.2
990248.400890	BT40-SF08-90	8	21	27	90	36	1.2

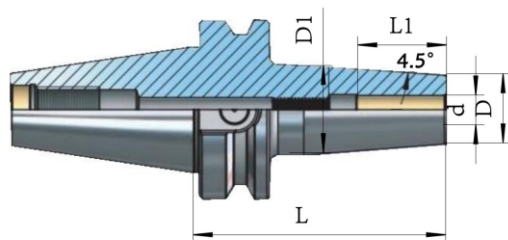
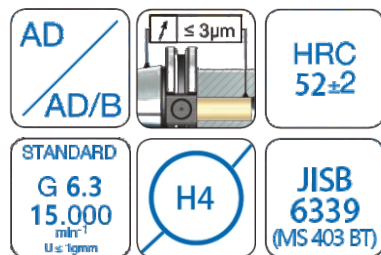
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.



BT-SF热缩刀柄，标准型

BT-SF SHRINK FIT CHUCK 4.5°

订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990248.401090	BT40-SF10-90	10	24	32	90	42	1.25
990248.401290	BT40-SF12-90	12	24	32	90	47	1.25
990248.401490	BT40-SF14-90	14	27	34	90	47	1.3
990248.401690	BT40-SF16-90	16	27	34	90	50	1.25
990248.401890	BT40-SF18-90	18	33	42	90	50	1.4
990248.402090	BT40-SF20-90	20	33	42	90	52	1.4
990248.4025100	BT40-SF25-100	25	44	53	100	58	1.65
990248.4032100	BT40-SF32-100	32	44	53	100	62	1.5
990248.4006120	BT40-SF06-120	6	21	27	120	36	1.3
990248.4008120	BT40-SF08-120	8	21	27	120	36	1.3
990248.4010120	BT40-SF10-120	10	24	32	120	42	1.45
990248.4012120	BT40-SF12-120	12	24	32	120	47	1.45
990248.4014120	BT40-SF14-120	14	27	34	120	47	1.45
990248.4016120	BT40-SF16-120	16	27	34	120	50	1.45
990248.4018120	BT40-SF18-120	18	33	42	120	50	1.7
990248.4020120	BT40-SF20-120	20	33	42	120	52	1.7
990248.4025120	BT40-SF25-120	25	44	53	120	58	2.15
990248.4032120	BT40-SF32-120	32	44	53	120	62	2
990248.4006160	BT40-SF06-160	6	21	32	160	36	1.5
990248.4008160	BT40-SF08-160	8	21	32	160	36	1.5
990248.4010160	BT40-SF10-160	10	24	34	160	42	1.7
990248.4012160	BT40-SF12-160	12	24	34	160	47	1.7
990248.4014160	BT40-SF14-160	14	27	42	160	47	1.7
990248.4016160	BT40-SF16-160	16	27	42	160	50	1.7
990248.4018160	BT40-SF18-160	18	33	50	160	50	2.1
990248.4020160	BT40-SF20-160	20	33	50	160	52	2.1
990248.4025160	BT40-SF25-160	25	44	53	160	58	2.8
990248.4032160	BT40-SF32-160	32	44	53	160	62	2.8
990248.4006200	BT40-SF06-200	6	21	32	200	36	1.65
990248.4008200	BT40-SF08-200	8	21	32	200	36	1.65
990248.4010200	BT40-SF10-200	10	24	34	200	42	1.9
990248.4012200	BT40-SF12-200	12	24	34	200	47	1.85
990248.4014200	BT40-SF14-200	14	27	42	200	47	1.95
990248.4016200	BT40-SF16-200	16	27	42	200	50	1.95
990248.4018200	BT40-SF18-200	18	33	50	200	50	2.5
990248.4020200	BT40-SF20-200	20	33	50	200	52	2.5
990248.4025200	BT40-SF25-200	25	44	53	200	58	3.5
990248.4032200	BT40-SF32-200	32	44	53	200	62	3.3



产品配件

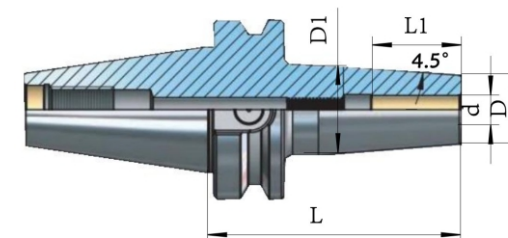
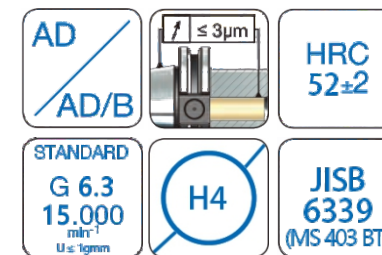


备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-SF热缩刀柄，标准型

BT-SF SHRINK FIT CHUCK 4.5°

订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990248.5004100	BT50-SF04-100	4	15	20	100	17	3.7
990248.5005100	BT50-SF05-100	5	15	20	100	20	3.7
990248.5006100	BT50-SF06-100	6	21	27	100	36	3.9
990248.5008100	BT50-SF08-100	8	21	27	100	36	3.9
990248.5010100	BT50-SF10-100	10	24	32	100	42	3.9
990248.5012100	BT50-SF12-100	12	24	32	100	47	3.9
990248.5014100	BT50-SF14-100	14	27	34	100	47	3.9
990248.5016100	BT50-SF16-100	16	27	34	100	50	3.9
990248.5018100	BT50-SF18-100	18	33	42	100	50	4.1
990248.5020100	BT50-SF20-100	20	33	42	100	52	4
990248.5025110	BT50-SF25-110	25	44	53	110	58	4.5
990248.5032110	BT50-SF32-110	32	44	53	110	62	4.3
990248.5006120	BT50-SF06-120	6	21	27	120	36	3.95
990248.5008120	BT50-SF08-120	8	21	27	120	36	3.95
990248.5010120	BT50-SF10-120	10	24	32	120	42	4
990248.5012120	BT50-SF12-120	12	24	32	120	47	4
990248.5014120	BT50-SF14-120	14	27	34	120	47	4.1
990248.5016120	BT50-SF16-120	16	27	34	120	50	4
990248.5018120	BT50-SF18-120	18	33	42	120	50	4
990248.5020120	BT50-SF20-120	20	33	42	120	52	4.2
990248.5025120	BT50-SF25-120	25	44	53	120	58	4.6
990248.5032120	BT50-SF32-120	32	44	53	120	62	5.8
990248.5006160	BT50-SF06-160	6	21	32	160	36	4.1
990248.5008160	BT50-SF08-160	8	21	32	160	36	4.1
990248.5010160	BT50-SF10-160	10	24	34	160	42	4.3
990248.5012160	BT50-SF12-160	12	24	34	160	47	4.2
990248.5014160	BT50-SF14-160	14	27	42	160	47	4.3
990248.5016160	BT50-SF16-160	16	27	42	160	50	4.3
990248.5018160	BT50-SF18-160	18	33	50	160	50	4.7
990248.5020160	BT50-SF20-160	20	33	50	160	52	4.7
990248.5025160	BT50-SF25-160	25	44	60	160	58	5.3
990248.5032160	BT50-SF32-160	32	44	60	160	62	5.1
990248.5006200	BT50-SF06-200	6	21	32	200	36	4.3
990248.5008200	BT50-SF08-200	8	21	32	200	36	4.3
990248.5010200	BT50-SF10-200	10	24	34	200	42	4.5
990248.5012200	BT50-SF12-200	12	24	34	200	47	4.5
990248.5014200	BT50-SF14-200	14	27	42	200	47	4.5
990248.5016200	BT50-SF16-200	16	27	42	200	50	4.5



产品配件



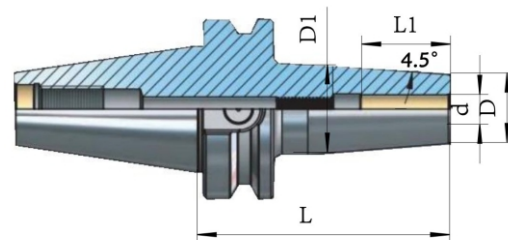
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.



BT-SF热缩刀柄，标准型

BT-SF SHRINK FIT CHUCK 4.5°

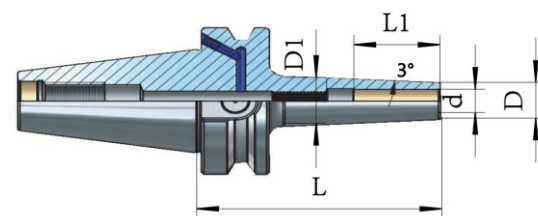
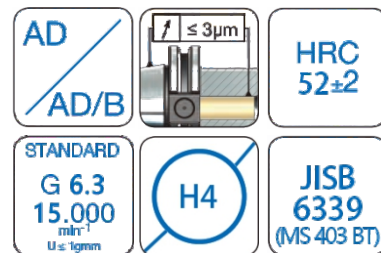
订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990248.5018200	BT50-SF18-200	18	33	50	200	50	5.1
990248.5020200	BT50-SF20-200	20	33	50	200	52	5.1
990248.5025200	BT50-SF25-200	25	44	60	200	58	6
990248.5032200	BT50-SF32-200	32	44	60	200	62	5.8



BT-SF 热缩刀柄 3°

BT-SF SHRINK FIT CHUCK 3°

订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990247.300380	BT30-SFS03-80	3	9	13	80	14	0.6
990247.300480	BT30-SFS04-80	4	10	14	80	17	0.6
990247.300680	BT30-SFS06-80	6	12	18	80	36	0.7
990247.300880	BT30-SFS08-80	8	14	20	80	36	0.7
990247.301080	BT30-SFS10-80	10	16	22	80	42	0.8
990247.301280	BT30-SFS12-80	12	18	24	80	47	0.8
990247.301680	BT30-SFS16-80	16	22	28	80	50	1
990247.400390	BT40-SFS03-90	3	9	13	90	14	1
990247.400490	BT40-SFS04-90	4	10	14	90	17	1
990247.400690	BT40-SFS06-90	6	12	18	90	36	1.1
990247.400890	BT40-SFS08-90	8	14	20	90	36	1.1
990247.401090	BT40-SFS10-90	10	16	22	90	42	1.1
990247.401290	BT40-SFS12-90	12	18	24	90	47	1.1
990247.401690	BT40-SFS16-90	16	22	28	90	50	1.2
990247.4003120	BT40-SFS03-120	3	9	16	120	14	1.1
990247.4004120	BT40-SFS04-120	4	10	17	120	17	1.1
990247.4006120	BT40-SFS06-120	6	12	21	120	36	1.1
990247.4008120	BT40-SFS08-120	8	14	23	120	36	1.2
990247.4010120	BT40-SFS10-120	10	16	25	120	42	1.2
990247.4012120	BT40-SFS12-120	12	18	27	120	47	1.2
990247.4016120	BT40-SFS16-120	16	22	31	120	50	1.3
990247.4003160	BT40-SFS03-160	3	9	19	160	14	1.2



产品配件



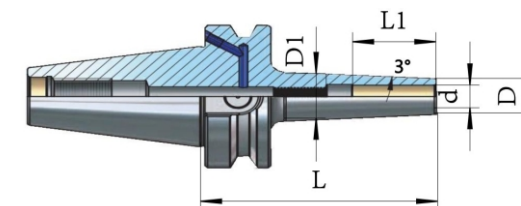
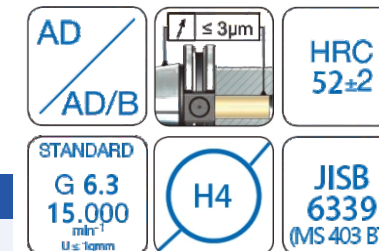
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.



BT-SF 热缩刀柄 3°

BT-SF SHRINK FIT CHUCK 3°

订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990247.4004160	BT40-SFS04-160	4	10	20	160	17	1.2
990247.4006160	BT40-SFS06-160	6	12	24	160	36	1.2
990247.4008160	BT40-SFS08-160	8	14	26	160	36	1.3
990247.4010160	BT40-SFS10-160	10	16	28	160	42	1.3
990247.4012160	BT40-SFS12-160	12	18	30	160	47	1.3
990247.4016160	BT40-SFS16-160	16	22	34	160	50	1.4
990247.5003100	BT50-SFS03-100	3	9	21	100	14	3.7
990247.5004100	BT50-SFS04-100	4	10	22	100	17	3.7
990247.5006100	BT50-SFS06-100	6	12	24	100	36	3.7
990247.5008100	BT50-SFS08-100	8	14	26	100	36	3.75
990247.5010100	BT50-SFS10-100	10	16	28	100	42	3.75
990247.5012100	BT50-SFS12-100	12	18	30	100	47	3.75
990247.5016100	BT50-SFS16-100	16	22	34	100	50	3.9
990247.5003120	BT50-SFS03-120	3	9	21	120	14	3.8
990247.5004120	BT50-SFS04-120	4	10	22	120	17	3.8
990247.5006120	BT50-SFS06-120	6	12	24	120	36	3.8
990247.5008120	BT50-SFS08-120	8	14	26	120	36	3.9
990247.5010120	BT50-SFS10-120	10	16	28	120	42	3.9
990247.5012120	BT50-SFS12-120	12	18	30	120	47	3.9
990247.5016120	BT50-SFS16-120	16	22	34	120	50	4
990247.5003160	BT50-SFS03-160	3	9	21	160	14	4.1
990247.5004160	BT50-SFS04-160	4	10	22	160	17	4.1
990247.5006160	BT50-SFS06-160	6	12	24	160	36	4.1
990247.5008160	BT50-SFS08-160	8	14	26	160	36	4.1
990247.5010160	BT50-SFS10-160	10	16	28	160	42	4.1
990247.5012160	BT50-SFS12-160	12	18	30	160	47	4.1
990247.5016160	BT50-SFS16-160	16	22	34	160	50	4.1



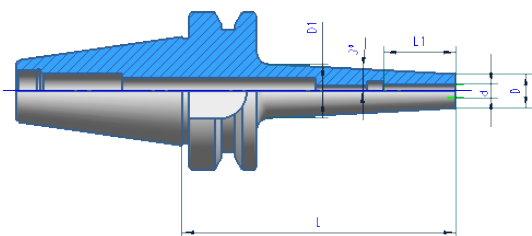
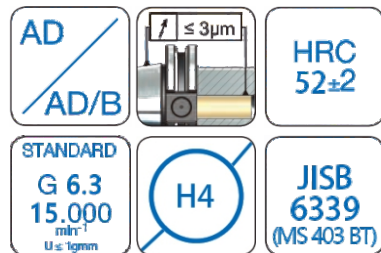
产品配件



BT-SF热缩刀柄3°，细长型

BT-SF SHRINK FIT CHUCK 4.5°，Slim

订单号/Order No.	型号/Model	d	D	D1	L	L1
990248.401090	BT30-SFS03-80	3	9	14.8	80	
990248.401290	BT30-SFS04-80	4	10	15.8	80	
990248.401490	BT30-SFS06-80	6	12	17.8	80	36
990248.401690	BT30-SFS08-80	8	14	19.8	80	36
990248.401890	BT30-SFS10-80	10	16	21.8	80	42
990248.402090	BT30-SFS12-80	12	18	23.8	80	47
990248.4025100	BT30-SFS16-80	16	22	27.8	80	50
990248.4032100	BT30-SFS06-120	6	12	21.5	120	36
990248.4006120	BT30-SFS08-120	8	14	23.5	120	36
990248.4008120	BT30-SFS10-120	10	16	25.5	120	42
990248.4010120	BT30-SFS12-120	12	18	27.5	120	47
990248.4012120	BT30-SFS16-120	16	22	31.5	120	50
990248.4014120	BT40-SFS03-90	3	9	15.3	90	
990248.4016120	BT40-SFS04-90	4	10	16.3	90	
990248.4018120	BT40-SFS06-90	6	12	18.3	90	36
990248.4020120	BT40-SFS08-90	8	14	20.3	90	36
990248.4025120	BT40-SFS10-90	10	16	22.3	90	42
990248.4032120	BT40-SFS12-90	12	18	24.3	90	47
990248.4006160	BT40-SFS16-90	16	22	28.3	90	50
990248.4008160	BT40-SFS03-120	3	9	18.3	120	
990248.4010160	BT40-SFS04-120	4	10	19.3	120	
990248.4012160	BT40-SFS06-120	6	12	21.3	120	36
990248.4014160	BT40-SFS08-120	8	14	23.3	120	36
990248.4016160	BT40-SFS10-120	10	16	25.3	120	42
990248.4018160	BT40-SFS12-120	12	18	27.3	120	47
990248.4020160	BT40-SFS16-120	16	22	31.3	120	50
990248.4025160	BT40-SFS03-160	3	9	22.4	160	
990248.4032160	BT40-SFS04-160	4	10	23.4	160	
990248.4006200	BT40-SFS06-160	6	12	25.4	160	36
990248.4008200	BT40-SFS08-160	8	14	27.4	160	36
990248.4010200	BT40-SFS10-160	10	16	29.4	160	42
990248.4012200	BT40-SFS12-160	12	18	31.4	160	47
990248.4014200	BT40-SFS16-160	16	22	35.4	160	50
990248.4016200	BT40-SFS20-160	20	27	40.4	160	52



产品配件

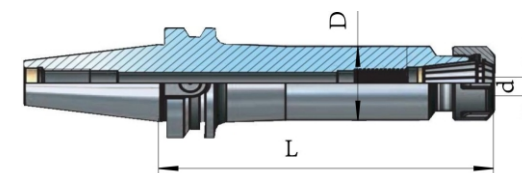
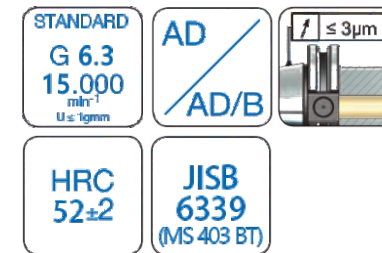


备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-ER弹性筒夹刀柄

BT-ER COLLET CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990245.301660	BT30-ER16-60	1-10mm	28	60	0.58
990245.302060	BT30-ER20-60	1-13mm	34	60	0.63
990245.302560	BT30-ER25-60	1-16mm	42	60	0.61
990245.303260	BT30-ER32-60	2-20mm	50	60	0.7
990245.304080	BT30-ER40-80	2-26mm	63	80	1
990245.401670	BT40-ER16-70	1-10mm	28	70	1.3
990245.4016100	BT40-ER16-100	1-10mm	28	100	1.3
990245.4016150	BT40-ER16-150	1-10mm	28	150	1.6
990245.4016200	BT40-ER16-200	1-10mm	28	200	1.7
990245.4016250	BT40-ER16-250	1-10mm	28	250	2
990245.402070	BT40-ER20-70	1-13mm	34	70	1.2
990245.4020100	BT40-ER20-100	1-13mm	34	100	1.4
990245.4020150	BT40-ER20-150	1-13mm	34	150	1.7
990245.4020200	BT40-ER20-200	1-13mm	34	200	2
990245.4020250	BT40-ER20-250	1-13mm	34	250	2.1
990245.402570	BT40-ER25-70	1-16mm	42	70	1.3
990245.4025100	BT40-ER25-100	1-16mm	42	100	1.6
990245.4025150	BT40-ER25-150	1-16mm	42	150	2.1
990245.4025200	BT40-ER25-200	1-16mm	42	200	2.5
990245.4025250	BT40-ER25-250	1-16mm	42	250	3
990245.403270	BT40-ER32-70	2-20mm	50	70	1.4
990245.4032100	BT40-ER32-100	2-20mm	50	100	1.7
990245.4032150	BT40-ER32-150	2-20mm	50	150	2.4
990245.4032200	BT40-ER32-200	2-20mm	50	200	3.15
990245.4032250	BT40-ER32-250	2-20mm	50	250	4
990245.404080	BT40-ER40-80	2-26mm	63	80	1.5
990245.4040100	BT40-ER40-100	2-26mm	63	100	2.1
990245.4040150	BT40-ER40-150	2-26mm	63	150	3.2
990245.4040200	BT40-ER40-200	2-26mm	63	200	3.5
990245.4040250	BT40-ER40-250	2-26mm	63	250	4.2
990245.501680	BT50-ER16-80	1-10mm	28	80	3.9
990245.5016100	BT50-ER16-100	1-10mm	28	100	3.9
990245.5016150	BT50-ER16-150	1-10mm	28	150	4.2
990245.5016200	BT50-ER16-200	1-10mm	28	200	4.3
990245.5016250	BT50-ER16-250	1-10mm	28	250	4.7



产品配件



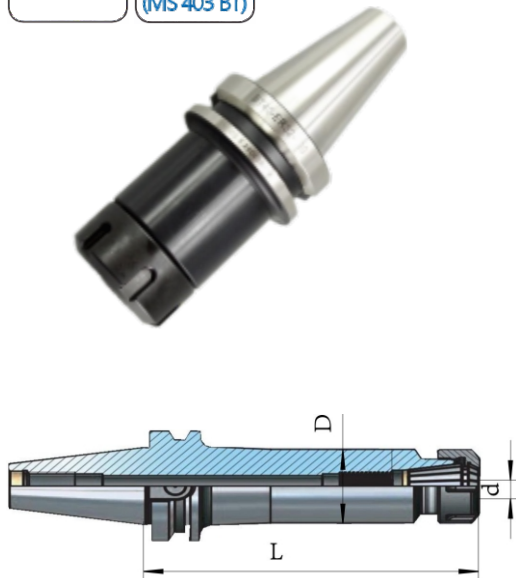
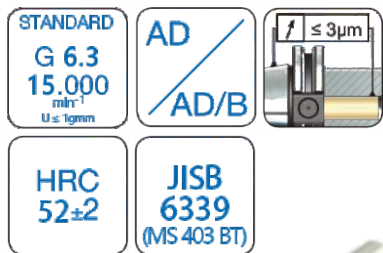
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.



BT-ER弹性筒夹刀柄 BT-ER COLLET CHUCK

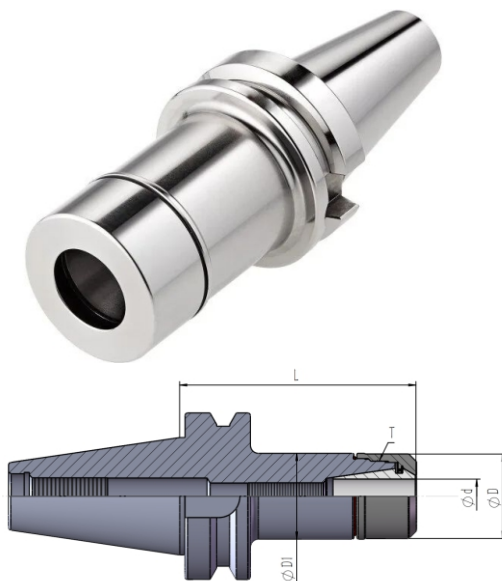
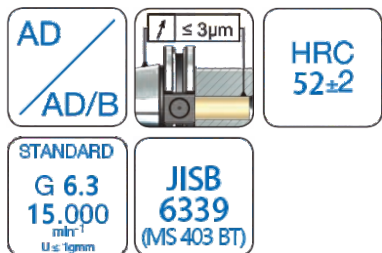
订单号/Order No.	型号/Model	d	D	L	KG
990245.502080	BT50-ER20-80	1-13mm	34	80	3.8
990245.5020100	BT50-ER20-100	1-13mm	34	100	4
990245.5020150	BT50-ER20-150	1-13mm	34	150	4.3
990245.5020200	BT50-ER20-200	1-13mm	34	200	4.6
990245.5020250	BT50-ER20-250	1-13mm	34	250	5
990245.502580	BT50-ER25-80	1-16mm	42	80	4
990245.5025100	BT50-ER25-100	1-16mm	42	100	4.1
990245.5025150	BT50-ER25-150	1-16mm	42	150	4.6
990245.5025200	BT50-ER25-200	1-16mm	42	200	5.1
990245.5025250	BT50-ER25-250	1-16mm	42	250	5.8
990245.503280	BT50-ER32-80	2-20mm	50	80	3.9
990245.5032100	BT50-ER32-100	2-20mm	50	100	4.2
990245.5032150	BT50-ER32-150	2-20mm	50	150	4.9
990245.5032200	BT50-ER32-200	2-20mm	50	200	5.7
990245.5032250	BT50-ER32-250	2-20mm	50	250	6.5
990245.504080	BT50-ER40-80	2-26mm	63	80	4.7
990245.5040100	BT50-ER40-100	2-26mm	63	100	5.2
990245.5040150	BT50-ER40-150	2-26mm	63	150	6.5
990245.5040200	BT50-ER40-200	2-26mm	63	200	7.5
990245.5040250	BT50-ER40-250	2-26mm	63	250	8.6
990245.5050100	BT50-ER50-100	6-34mm	78	100	4.5
990245.5050150	BT50-ER50-150	6-34mm	78	150	6.2
990245.5050200	BT50-ER50-200	6-34mm	78	200	7.8

产品配件



BT-GER高速筒夹刀柄 BT-GER HIGH SPEED COLLET CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990244.301660	BT30-GER16-60	1-10mm	28	60	0.58
990244.302060	BT30-GER20-60	1-13mm	34	60	0.63
990244.302560	BT30-GER25-60	1-16mm	42	60	0.61
990244.303260	BT30-GER32-60	2-20mm	50	60	0.7
990244.304080	BT30-GER40-80	2-26mm	63	80	1
990244.401670	BT40-GER16-70	1-10mm	28	70	1.3
990244.4016100	BT40-GER16-100	1-10mm	28	100	1.3
990244.4016150	BT40-GER16-150	1-10mm	28	150	1.6
990244.402070	BT40-GER20-70	1-13mm	34	70	1.2
990244.4020100	BT40-GER20-100	1-13mm	34	100	1.4
990244.4020150	BT40-GER20-150	1-13mm	34	150	1.7
990244.402570	BT40-GER25-70	1-16mm	42	70	1.3
990244.4025100	BT40-GER25-100	1-16mm	42	100	1.6
990244.4025150	BT40-GER25-150	1-16mm	42	150	2.1
990244.403270	BT40-GER32-70	2-20mm	50	70	1.4
990244.4032100	BT40-GER32-100	2-20mm	50	100	1.7
990244.4032150	BT40-GER32-150	2-20mm	50	150	2.4
990244.404080	BT40-GER40-80	2-26mm	63	80	1.5
990244.4040100	BT40-GER40-100	2-26mm	63	100	2.1
990244.4040150	BT40-GER40-150	2-26mm	63	150	3.2
990244.501680	BT50-GER16-80	1-10mm	28	80	3.9
990244.5016100	BT50-GER16-100	1-10mm	28	100	3.9
990244.5016150	BT50-GER16-150	1-10mm	28	150	4.2
990244.502080	BT50-GER20-80	1-13mm	34	80	3.8
990244.5020100	BT50-GER20-100	1-13mm	34	100	4
990244.5020150	BT50-GER20-150	1-13mm	34	150	4.3
990244.502580	BT50-GER25-80	1-16mm	42	80	4
990244.5025100	BT50-GER25-100	1-16mm	42	100	4.1
990244.5025150	BT50-GER25-150	1-16mm	42	150	4.6
990244.503280	BT50-GER32-80	2-20mm	50	80	3.9
990244.5032100	BT50-GER32-100	2-20mm	50	100	4.2
990244.5032150	BT50-GER32-150	2-20mm	50	150	4.9
990244.504080	BT50-GER40-80	2-26mm	63	80	4.7
990244.5040100	BT50-GER40-100	2-26mm	63	100	5.2
990244.5040150	BT50-GER40-150	2-26mm	63	150	6.5



产品配件



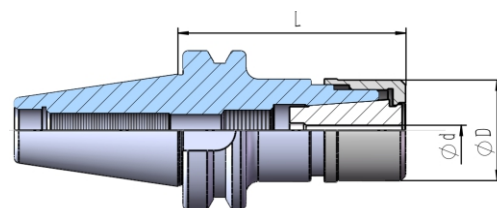
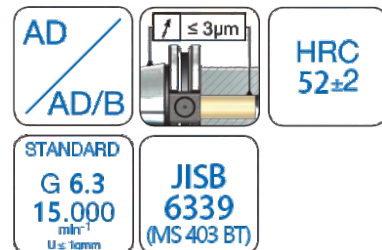
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-GSK 高速刀柄

BT-GSK HIGH SPEED COLLET CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990243.300660	BT30-GSK06-60	1-6mm	19	60	0.7
990243.300690	BT30-GSK06-90	1-6mm	19	90	0.7
990243.301060	BT30-GSK10-60	1-10mm	27	60	0.9
990243.301090	BT30-GSK10-90	1-10mm	27	90	1
990243.3010120	BT30-GSK10-120	1-10mm	27	120	1.1
990243.301360	BT30-GSK13-60	3-13mm	35	60	1
990243.301390	BT30-GSK13-90	3-13mm	35	90	1.1
990243.3013120	BT30-GSK13-120	3-13mm	35	120	1.2
990243.301660	BT30-GSK16-60	3-16mm	40	60	1.1
990243.301690	BT30-GSK16-90	3-16mm	40	90	1.2
990243.3016120	BT30-GSK16-120	3-16mm	40	120	1.3
990243.302060	BT30-GSK20-60	4-20mm	48	60	1.1
990243.302090	BT30-GSK20-90	4-20mm	48	90	1.2
990243.3020120	BT30-GSK20-120	4-20mm	48	120	1.3
990243.400660	BT40-GSK06-60	1-6mm	19	60	1
990243.400690	BT40-GSK06-90	1-6mm	19	90	1.1
990243.4006120	BT40-GSK06-120	1-6mm	19	120	1.4
990243.401060	BT40-GSK10-60	1-10mm	27	60	1.1
990243.401090	BT40-GSK10-90	1-10mm	27	90	1.2
990243.4010120	BT40-GSK10-120	1-10mm	27	120	1.4
990243.4010150	BT40-GSK10-150	1-10mm	27	150	1.6
990243.401360	BT40-GSK13-60	3-13mm	35	60	1.3
990243.401390	BT40-GSK13-90	3-13mm	35	90	1.4
990243.4013120	BT40-GSK13-120	3-13mm	35	120	1.6
990243.4013150	BT40-GSK13-150	3-13mm	35	150	1.9
990243.401660	BT40-GSK16-60	3-16mm	40	60	1.3
990243.401690	BT40-GSK16-90	3-16mm	40	90	1.5
990243.4016120	BT40-GSK16-120	3-16mm	40	120	1.7
990243.4016150	BT40-GSK16-150	3-16mm	40	150	1.9
990243.402060	BT40-GSK20-60	4-20mm	48	60	1.3
990243.402090	BT40-GSK20-90	4-20mm	48	90	1.6
990243.4020120	BT40-GSK20-120	4-20mm	48	120	2
990243.4020150	BT40-GSK20-150	4-20mm	48	150	2.3
990243.402590	BT40-GSK25-90	6-25mm	55	90	1.8
990243.4025120	BT40-GSK25-120	6-25mm	55	120	2



产品配件

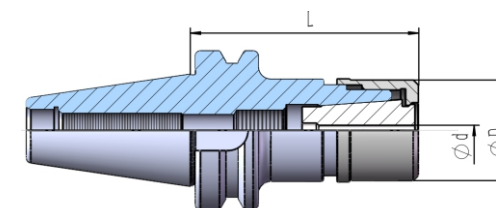
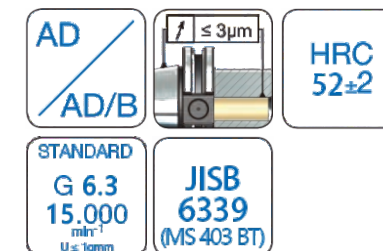


备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-GSK 高速刀柄

BT-GSK HIGH SPEED COLLET CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990243.5010100	BT50-GSK10-100	1-10mm	27	100	4.2
990243.5010120	BT50-GSK10-120	1-10mm	27	120	4.4
990243.5010150	BT50-GSK10-150	1-10mm	27	150	4.6
990243.5013100	BT50-GSK13-100	3-13mm	35	100	4
990243.5013120	BT50-GSK13-120	3-13mm	35	120	4.2
990243.5012150	BT50-GSK13-150	3-13mm	35	150	4.5
990243.5016100	BT50-GSK16-100	3-16mm	40	100	4.7
990243.5016100	BT50-GSK16-120	3-16mm	40	120	4.9
990243.5016150	BT50-GSK16-150	3-16mm	40	150	5.1
990243.5020100	BT50-GSK20-100	4-20mm	48	100	4.3
990243.5020120	BT50-GSK20-120	4-20mm	48	120	4.6
990243.5020150	BT50-GSK20-150	4-20mm	48	150	5
990243.5025100	BT50-GSK25-100	6-25mm	55	100	5.2
990243.5025120	BT50-GSK25-120	6-25mm	55	120	5.4
990243.5025150	BT50-GSK25-150	6-25mm	55	150	5.6



产品配件



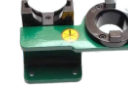
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

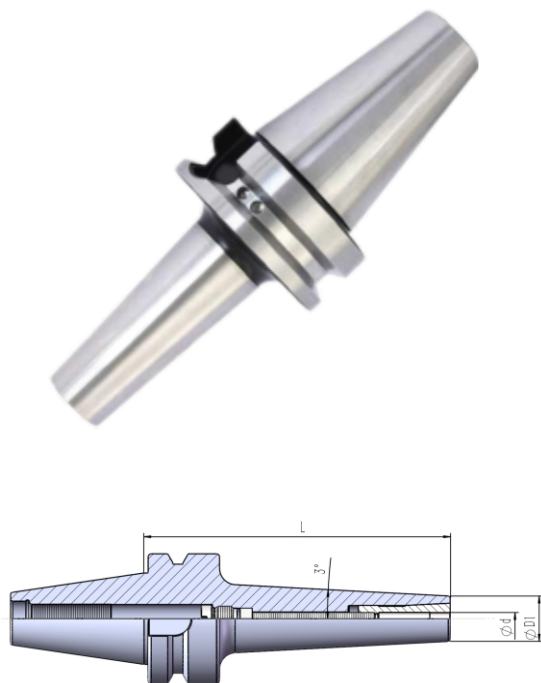
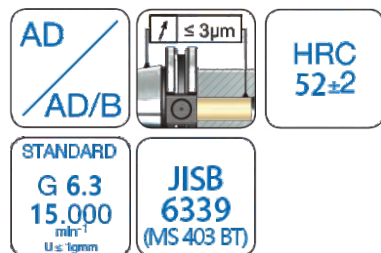
BT-SDC 后拉式刀柄

BT-SDC COLLET CHUCK

订单号/Order No.	型号/Model	d	D1	L	KG
990242.300660	BT30-SDC6-60	1-6mm	14	60	0.5
990242.300690	BT30-SDC6-90	1-6mm	14	90	0.6
990242.3006120	BT30-SDC6-120	1-6mm	14	120	0.9
990242.300860	BT30-SDC8-60	1-10mm	22	60	0.5
990242.300890	BT30-SDC8-90	1-10mm	22	90	0.6
990242.3008120	BT30-SDC8-120	1-10mm	22	120	0.9
990242.301260	BT30-SDC12-60	1-12mm	34	60	0.8
990242.301290	BT30-SDC12-90	1-12mm	34	90	1
990242.3012120	BT30-SDC12-120	1-12mm	34	120	1.3
990242.400690	BT40-SDC6-90	1-6mm	14	90	1.2
990242.4006120	BT40-SDC6-120	1-6mm	14	120	1.5
990242.4006150	BT40-SDC6-150	1-6mm	14	150	1.8
990242.400890	BT40-SDC8-90	1-10mm	22	90	1.2
990246.4008120	BT40-SDC8-120	1-10mm	22	120	1.5
990242.4008150	BT40-SDC8-150	1-10mm	22	150	1.8
990242.401290	BT40-SDC12-90	1-12mm	34	90	1.2
990242.4012120	BT40-SDC12-120	1-12mm	34	120	1.6
990242.4012150	BT40-DC12-150	1-12mm	34	150	1.9
990242.5006100	BT50-DC6-100	1-6mm	14	100	4.1
990242.5006150	BT50-DC6-150	1-6mm	14	150	4.6
990242.5006200	BT50-DC6-200	1-6mm	14	200	5
990242.5008100	BT50-DC8-100	1-10mm	22	100	4.1
990242.5008150	BT50-DC8-150	1-10mm	22	150	4.6
990242.5008200	BT50-DC8-200	1-10mm	22	200	5
990242.5012100	BT50-DC12-100	1-12mm	34	100	4.5
990242.5012150	BT50-DC12-150	1-12mm	34	150	5
990242.5012200	BT50-DC12-200	1-12mm	34	200	5.5

产品配件

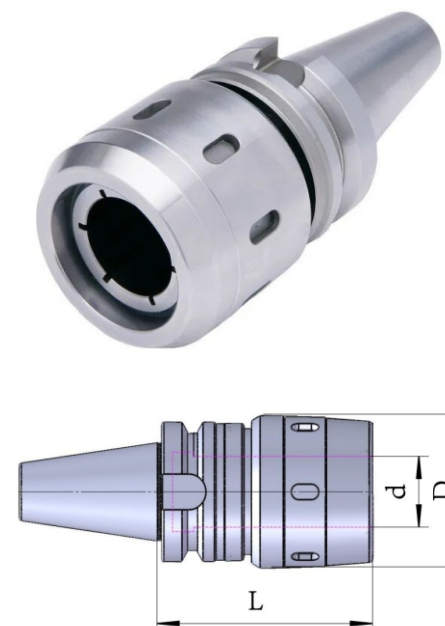
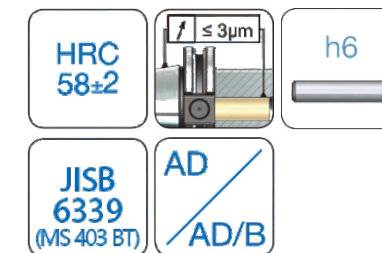
			
SDC筒夹/SDC Collet	锁刀座/Locking Device	拉钉/Pull Stud	T型扳手/T-wrench



BT-MC 强力刀柄

BT-MC POWER MILLING CHUCK

订单号/Order No.	型号/Model	d (加持范围)	d	D	L	KG
990246.301680	BT30-MC16-80	3-12mm	16	50	80	1.3
990246.302080	BT30-MC20-80	3-16mm	20	62	80	1.3
990246.302090	BT30-MC20-90	3-16mm	20	62	90	1.4
990246.302590	BT30-MC25-90	3-20mm	25	62	90	1.4
990246.3025105	BT30-MC25-105	3-20mm	25	62	105	1.8
990246.3032105	BT30-MC32-105	3-25mm	32	74	105	2.3
990246.401690	BT40-MC16-90	3-12mm	16	50	90	2
990246.402090	BT40-MC20-90	3-16mm	20	62	90	2.2
990246.402590	BT40-MC25-90	3-20mm	25	62	90	2.2
990246.4032105	BT40-MC32-105	3-25mm	32	74	105	2.5
990246.4032135	BT40-MC32-135	3-25mm	32	74	135	3.1
990246.4032150	BT40-MC32-150	3-25mm	32	74	150	3.9
990246.4042110	BT40-MC42-110	3-25mm	42	88	110	5
990246.5016110	BT50-MC16-110	3-12mm	16	50	110	5
990246.5020110	BT50-MC20-110	3-16mm	20	62	110	5
990246.5025110	BT50-MC25-110	3-20mm	25	62	110	5
990246.5025135	BT50-MC25-135	3-20mm	25	62	135	5.5
990246.5025165	BT50-MC25-165	3-20mm	25	62	165	6.1
990246.5032110	BT50-MC32-110	3-25mm	32	74	110	5.8
990246.5032135	BT50-MC32-135	3-25mm	32	74	135	6.5
990246.5032165	BT50-MC32-165	3-25mm	32	74	165	7
990246.5032200	BT50-MC32-200	3-25mm	32	74	200	8
990246.5032250	BT50-MC32-250	3-25mm	32	74	250	10
990246.5032300	BT50-MC32-300	3-25mm	32	74	300	12
990246.5032350	BT50-MC32-350	3-25mm	32	74	350	13
990246.5032400	BT50-MC32-400	3-25mm	32	74	400	
990246.5032450	BT50-MC32-450	3-25mm	32	74	450	
990246.5032500	BT50-MC32-500	3-25mm	32	74	500	
990246.5040120	BT50-MC40-120		40		120	6
990246.5040165	BT50-MC40-165		40		165	8
990246.5042110	BT50-MC42-110	3-32mm	42	88	110	6
990246.5042135	BT50-MC42-135	3-32mm	42	88	135	6.5
990246.5042165	BT50-MC42-165	3-32mm	42	88	165	8
990246.5042200	BT50-MC42-200	3-32mm	42	88	200	9



产品配件


强力筒夹/SC COLLET

扳手/Spanner

拉钉/Pull Stud

锁刀座/Locking Device

备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.



BT-MC 强力刀柄套装

BT-MC POWER MILLING CHUCK SET

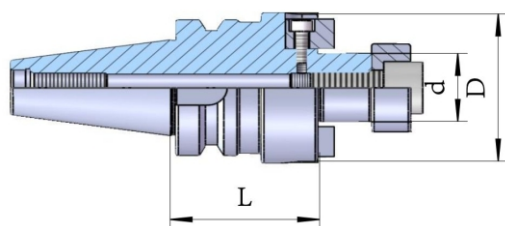
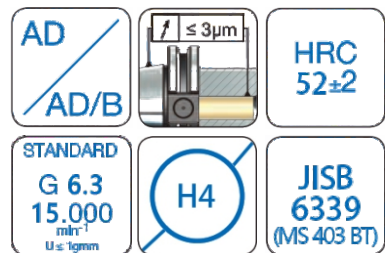
订单号/Order Nr.	型号/Model	Collet	Collet aperture	Spanner
990246.30321057P	BT30-MC32-105/7P	C32	6/8/10/12/16/20/25	C32
990246.403210579	BT40-MC32-105/7P	C32	6/8/10/12/16/20/25	C32
990246.50321107P	BT50-MC32-110/7P	C32	6/8/10/12/16/20/25	C32
990246.50421108P	BT50-MC42-110/8P	C42	6/8/10/12/16/20/25/32	C42



BT-FMB平面铣刀柄

BT-FMB FACE MILLING HOLDER

订单号/Order No.	型号/Model	d	D	L	KG
990241.301645	BT30-FMB16-45	16	38	45	0.5
990241.301660	BT30-FMB16-60	16	38	60	0.7
990241.3016100	BT30-FMB16-100	16	38	100	1
990241.302245	BT30-FMB22-45	22	48	45	1
990241.302260	BT30-FMB22-60	22	48	60	1.3
990241.3022100	BT30-FMB22-100	22	48	100	1.5
990241.302745	BT30-FMB27-45	27	58	45	1.5
990241.302760	BT30-FMB27-60	27	58	60	1.8
990241.3027100	BT30-FMB27-100	27	58	100	2
990241.303245	BT30-FMB32-45	32	63	45	1.8
990241.303260	BT30-FMB32-60	32	63	60	2
990241.3032100	BT30-FMB32-100	32	63	100	2.3
990241.304060	BT30-FMB40-60	40	74	60	2.6
990241.401645	BT40-FMB16-45	16	38	45	1.3
990241.401660	BT40-FMB16-60	16	38	60	1.3
990241.4016100	BT40-FMB16-100	16	38	100	1.4
990241.4016150	BT40-FMB16-150	16	38	150	1.7
990241.4016200	BT40-FMB16-200	16	38	200	2
990241.402245	BT40-FMB22-45	22	48	45	1.5
990241.402260	BT40-FMB22-60	22	48	60	1.5
990241.4022100	BT40-FMB22-100	22	48	100	2.1
990241.4022150	BT40-FMB22-150	22	48	150	2.8
990241.4022200	BT40-FMB22-200	22	48	200	3.6
990241.402745	BT40-FMB27-45	27	58	45	2.4
990241.402760	BT40-FMB27-60	27	58	60	2.4
990241.4027100	BT40-FMB27-100	27	58	100	3.1
990241.4027150	BT40-FMB27-150	27	58	150	3.9



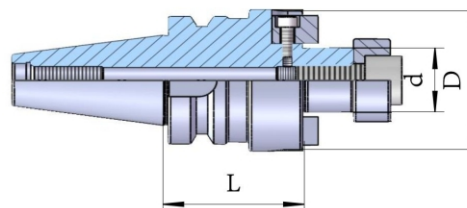
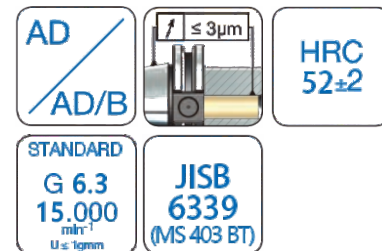
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.



BT-FMB平面铣刀柄

BT-FMB FACE MILLING HOLDER

订单号/Order No.	型号/Model	d	D	L	KG
990241.4027200	BT40-FMB27-200	27	58	200	4.8
990241.403245	BT40-FMB32-45	32	63	45	1.9
990241.403260	BT40-FMB32-60	32	63	60	1.9
990241.4032100	BT40-FMB32-100	32	63	100	2.8
990241.4032150	BT40-FMB32-150	32	63	150	3.6
990241.4032200	BT40-FMB32-200	32	63	200	4.2
990241.404060	BT40-FMB40-60	40	74	60	2.8
990241.4040100	BT40-FMB40-100	40	74	100	3.6
990241.4040150	BT40-FMB40-150	40	74	150	4.9
990241.4040200	BT40-FMB40-200	40	74	200	6.2
990241.501660	BT50-FMB16-60	16	38	60	4
990241.5016100	BT50-FMB16-100	16	38	100	4.2
990241.5016150	BT50-FMB16-150	16	38	150	4.5
990241.5016200	BT50-FMB16-200	16	38	200	4.8
990241.502260	BT50-FMB22-60	22	48/58	60	4.6
990241.5022100	BT50-FMB22-100	22	48/58	100	4.8
990241.5022150	BT50-FMB22-150	22	48/58	150	5.3
990241.5022200	BT50-FMB22-200	22	48/58	200	6
990241.5022250	BT50-FMB22-250	22	48/58	250	7
990241.5022300	BT50-FMB22-300	22	48/58	300	7.7
990241.5022350	BT50-FMB22-350	22	48/58	350	8.5
990241.5022400	BT50-FMB22-400	22	48/58	400	9.4
990241.5022450	BT50-FMB22-450	22	48/58	450	10
990241.5022500	BT50-FMB22-500	22	48/58	500	11.5
990241.502760	BT50-FMB27-60	27	58	60	4.5
990241.5027100	BT50-FMB27-100	27	58	100	4.8
990241.5027150	BT50-FMB27-150	27	58	150	6
990241.5027200	BT50-FMB27-200	27	58	200	6.9
990241.5027250	BT50-FMB27-250	27	58	250	8.4
990241.5027300	BT50-FMB27-300	27	58	300	9.5
990241.5027350	BT50-FMB27-350	27	58	350	10.5
990241.5027400	BT50-FMB27-400	27	58	400	12
990241.5027450	BT50-FMB27-450	27	58	450	13
990241.5027500	BT50-FMB27-500	27	58	500	15
990241.503260	BT50-FMB32-60	32	70	60	4.7
990241.5032100	BT50-FMB32-100	32	70	100	5.6
990241.5032150	BT50-FMB32-150	32	70	150	8
990241.5032200	BT50-FMB32-200	32	70	200	10



产品配件



拉钉/Pull Stud



螺丝/Screw



刀盘/Milling Cutter

备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-FMB平面铣刀柄

BT-FMB FACE MILLING HOLDER

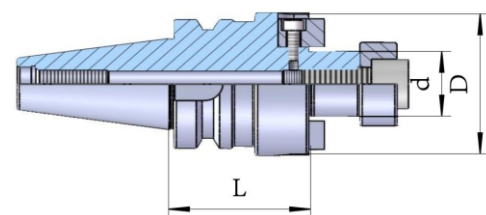
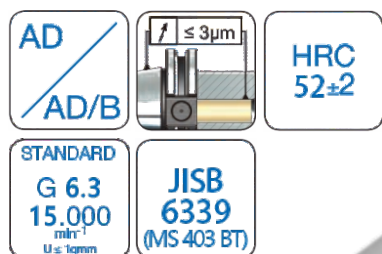
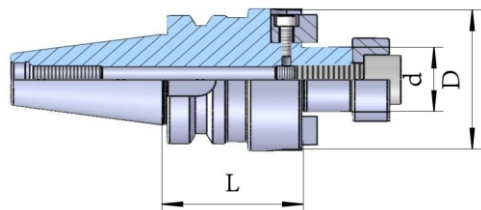
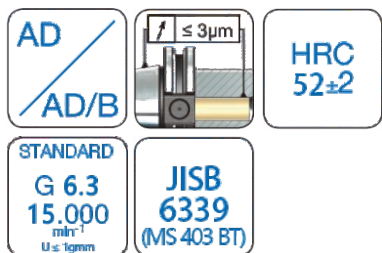
订单号/Order No.	型号/Model	d	D	L	KG
990241.5032250	BT50-FMB32-250	32	70	250	12
990241.5032300	BT50-FMB32-300	32	70	300	15
990241.5032350	BT50-FMB32-350	32	70	350	16.5
990241.5032400	BT50-FMB32-400	32	70	400	18
990241.5032450	BT50-FMB32-450	32	70	450	19
990241.5032500	BT50-FMB32-500	32	70	500	20
990241.504060	BT50-FMB40-60	40	80	60	5.5
990241.5040100	BT50-FMB40-100	40	80	100	6.7
990241.5040150	BT50-FMB40-150	40	80	150	7.5
990241.5040200	BT50-FMB40-200	40	80	200	11
990241.5040250	BT50-FMB40-250	40	80	250	13
990241.5040300	BT50-FMB40-300	40	80	300	14.5
990241.5040350	BT50-FMB40-350	40	80	350	16.8
990241.5040400	BT50-FMB40-400	40	80	400	19
990241.5040450	BT50-FMB40-450	40	80	450	21
990241.5040500	BT50-FMB40-500	40	80	500	23

BT-FMA平面铣刀柄

BT-FMA FACE MILLING HOLDER

订单号/Order No.	型号/Model	d	D	L	KG
990240.30254045	BT30-FMA25.4-45	25.4	50	45	1.1
990240.3025460	BT30-FMA25.4-60	25.4	50	60	1.3
990240.30317545	BT30-FMA31.75-45	31.75	60	45	1.35
990240.30317560	BT30-FMA31.75-60	31.75	60	60	1.5
990240.4025460	BT40-FMA25.4-60	25.4	50	60	1.5
990240.40254100	BT40-FMA25.4-100	25.4	50	100	2.1
990240.40254150	BT40-FMA25.4-150	25.4	50	150	2.8
990240.40254200	BT40-FMA25.4-200	25.4	50	200	3.6
990240.40317560	BT40-FMA31.75-60	31.75	60	60	2.1
990240.403175100	BT40-FMA31.75-100	31.75	60	100	2.9
990240.403175150	BT40-FMA31.75-150	31.75	60	150	4.1
990240.4038160	BT40-FMA38.1-60	38.1	75	60	2.1
990240.40381100	BT40-FMA38.1-100	38.1	75	100	3
990240.4050860	BT40-FMA50.8-60	50.8	98	60	4.5
990240.5025460	BT50-FMA25.4-60	25.4	50	60	4.5
990240.50254100	BT50-FMA25.4-100	25.4	50	100	4.8

备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.



BT-FMA平面铣刀柄

BT-FMA FACE MILLING HOLDER

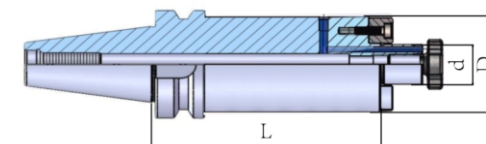
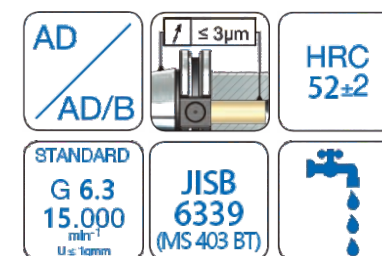
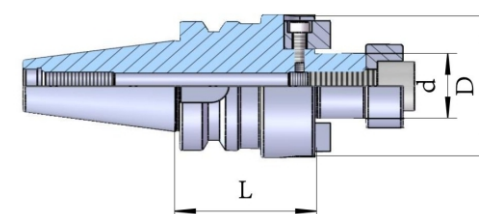
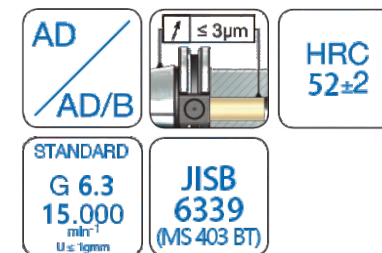
订单号/Order No.	型号/Model	d	D	L	KG
990240.50254150	BT50-FMA25.4-150	25.4	50	150	6.1
990240.50254200	BT50-FMA25.4-200	25.4	50	200	6.9
990240.50317560	BT50-FMA31.75-60	31.75	60	60	4.65
990240.503175100	BT50-FMA31.75-100	31.75	60	100	5.6
990240.503175150	BT50-FMA31.75-150	31.75	60	150	7.9
990240.503175200	BT50-FMA31.75-200	31.75	60	200	9.75
990240.5038160	BT50-FMA38.1-60	38.1	75	60	5.5
990240.50381100	BT50-FMA38.1-100	38.1	75	100	6.7
990240.50381150	BT50-FMA38.1-150	38.1	75	150	7.5
990240.50381200	BT50-FMA38.1-200	38.1	75	200	10.75
990240.5050860	BT50-FMA50.8-60	50.8	98	60	6.4
990240.50508100	BT50-FMA50.8-100	50.8	98	100	7
990240.50508150	BT50-FMA50.8-150	50.8	98	150	8.2
990240.50508200	BT50-FMA50.8-200	50.8	98	200	9.4

BT-FMC 端面出水铣刀柄

BT-FMC FACE MILLING HOLDER(COOLANT TYPE)

订单号/Order No.	型号/Model	d	D	L	KG
990239.301645	BT30-FMC16-45	16	38	45	0.5
990239.301660	BT30-FMC16-60	16	38	60	0.7
990239.3016100	BT30-FMC16-100	16	38	100	1
990239.302245	BT30-FMC22-45	22	48	45	1
990239.302260	BT30-FMC22-60	22	48	60	1.3
990239.3022100	BT30-FMC22-100	22	48	100	1.5
990239.302745	BT30-FMC27-45	27	58	45	1.5
990239.302760	BT30-FMC27-60	27	58	60	1.8
990239.3027100	BT30-FMC27-100	27	58	100	2
990239.303245	BT30-FMC32-45	32	63	45	1.8
990239.303260	BT30-FMC32-60	32	63	60	2
990239.3032100	BT30-FMC32-100	32	63	100	2.3
990239.304060	BT30-FMC40-60	40	74	60	2.6
990239.401645	BT40-FMC16-45	16	38	45	1.3
990239.401660	BT40-FMC16-60	16	38	60	1.3
990239.4016100	BT40-FMC16-100	16	38	100	1.4
990239.4016150	BT40-FMC16-150	16	38	150	1.7
990239.4016200	BT40-FMC16-200	16	38	200	2

备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.



BT-FMC 端面出水铣刀柄

BT-FMC FACE MILLING HOLDER(COOLANT TYPE)

订单号/Order No.	型号/Model	d	D	L	KG
990239.402245	BT40-FMC22-45	22	48	45	1.5
990239.402260	BT40-FMC22-60	22	48	60	1.5
990239.4022100	BT40-FMC22-100	22	48	100	2.1
990239.4022150	BT40-FMC22-150	22	48	150	2.8
990239.4022200	BT40-FMC22-200	22	48	200	3.6
990239.402745	BT40-FMC27-45	27	58	45	2.4
990239.402760	BT40-FMC27-60	27	58	60	2.4
990239.4027100	BT40-FMC27-100	27	58	100	3.1
990239.4027150	BT40-FMC27-150	27	58	150	3.9
990239.4027200	BT40-FMC27-200	27	58	200	4.8
990239.403245	BT40-FMC32-45	32	63	45	1.9
990239.403260	BT40-FMC32-60	32	63	60	1.9
990239.4032100	BT40-FMC32-100	32	63	100	2.8
990239.4032150	BT40-FMC32-150	32	63	150	3.6
990239.4032200	BT40-FMC32-200	32	63	200	4.2
990239.404060	BT40-FMC40-60	40	74	60	2.8
990239.4040100	BT40-FMC40-100	40	74	100	3.6
990239.4040150	BT40-FMC40-150	40	74	150	4.9
990239.4040200	BT40-FMC40-200	40	74	200	6.2
990239.501660	BT50-FMC16-60	16	38	60	4
990239.5016100	BT50-FMC16-100	16	38	100	4.2
990239.5016150	BT50-FMC16-150	16	38	150	4.5
990239.5016200	BT50-FMC16-200	16	38	200	4.8
990239.502260	BT50-FMC22-60	22	48/58	60	4.6
990239.5022100	BT50-FMC22-100	22	48/58	100	4.8
990239.5022150	BT50-FMC22-150	22	48/58	150	5.3
990239.5022200	BT50-FMC22-200	22	48/58	200	6
990239.5022250	BT50-FMC22-250	22	48/58	250	7
990239.5022300	BT50-FMC22-300	22	48/58	300	7.7
990239.5022350	BT50-FMC22-350	22	48/58	350	8.5
990239.5022400	BT50-FMC22-400	22	48/58	400	9.4
990239.5022450	BT50-FMC22-450	22	48/58	450	10
990239.5022500	BT50-FMC22-500	22	48/58	500	11.5
990239.502760	BT50-FMC27-60	27	58	60	4.5
990239.5027100	BT50-FMC27-100	27	58	100	4.8
990239.5027150	BT50-FMC27-150	27	58	150	6
990239.5027200	BT50-FMC27-200	27	58	200	6.9
990239.5027250	BT50-FMC27-250	27	58	250	8.4



产品配件



备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-FMC 端面出水铣刀柄

BT-FMC FACE MILLING HOLDER(COOLANT TYPE)

订单号/Order No.	型号/Model	d	D	L	KG
990239.5027300	BT50-FMC27-300	27	58	300	9.5
990239.5027350	BT50-FMC27-350	27	58	350	10.5
990239.5027400	BT50-FMC27-400	27	58	400	12
990239.5027450	BT50-FMC27-450	27	58	450	13
990239.5027500	BT50-FMC27-500	27	58	500	15
990239.503260	BT50-FMC32-60	32	70	60	4.7
990239.5032100	BT50-FMC32-100	32	70	100	5.6
990239.5032150	BT50-FMC32-150	32	70	150	8
990239.5032200	BT50-FMC32-200	32	70	200	10
990239.5032250	BT50-FMC32-250	32	70	250	12
990239.5032300	BT50-FMC32-300	32	70	300	15
990239.5032350	BT50-FMC32-350	32	70	350	16.5
990239.5032400	BT50-FMC32-400	32	70	400	18
990239.5032450	BT50-FMC32-450	32	70	450	19
990239.5032500	BT50-FMC32-500	32	70	500	20
990239.504060	BT50-FMC40-60	40	80	60	5.5
990239.5040100	BT50-FMC40-100	40	80	100	6.7
990239.5040150	BT50-FMC40-150	40	80	150	7.5
990239.5040200	BT50-FMC40-200	40	80	200	11
990239.5040250	BT50-FMC40-250	40	80	250	13
990239.5040300	BT50-FMC40-300	40	80	300	14.5
990239.5040350	BT50-FMC40-350	40	80	350	16.8
990239.5040400	BT50-FMC40-400	40	80	400	19
990239.5040450	BT50-FMC40-450	40	80	450	21
990239.5040500	BT50-FMC40-500	40	80	500	23



BT-APU钻夹头刀柄

BT-APU DRILL CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990234.300885	BT30-APU08-85	1-8mm	38	85	0.75
990234.3013110	BT30-APU13-110	1-13mm	48	110	1.85
990234.3016110	BT30-APU16-110	1-16mm	53	110	2.2
990234.400885	BT40-APU08-85	1-8mm	38	85	1.5
990234.4013110	BT40-APU13-110	1-13mm	48	110	2
990234.4013150	BT40-APU13-150	1-13mm	48	150	2.4



备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-APU钻夹头刀柄 BT-APU DRILL CHUCK

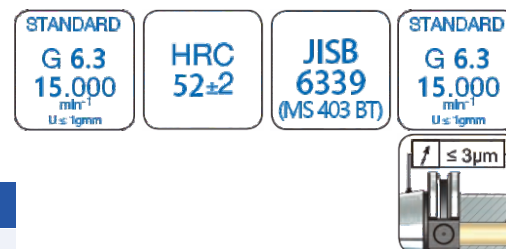


订单号/Order No.	型号/Model	d	D	L	KG
990234.4016110	BT40-APU16-110	1-16mm	53	110	2.3
990234.4016150	BT40-APU16-150	1-16mm	53	150	2.5
990234.5008100	BT50-APU08-100	1-8mm	38	100	4.2
990234.5013105	BT50-APU13-105	1-13mm	48	105	4.7
990234.5013120	BT50-APU13-120	1-13mm	48	120	5.3
990234.5013160	BT50-APU13-160	1-13mm	48	160	5.6
990234.5013180	BT50-APU13-180	1-13mm	48	180	5.9
990234.5016105	BT50-APU16-105	1-16mm	53	105	5.1
990234.5016120	BT50-APU16-120	1-16mm	53	120	5.3
990234.5016160	BT50-APU16-160	1-16mm	53	160	5.6
990234.5016180	BT50-APU16-180	1-16mm	53	180	5.9

产品配件



BT-CPU钻夹头刀柄 BT-CPU DRILL CHUCK



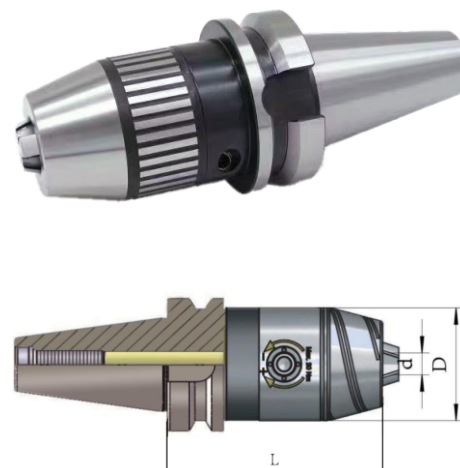
MAS-BT-STANDARD

订单号/Order No.	型号/Model	d	D	L	KG
990235.301382	BT30-CPU13-82	1-13mm	45	82	1.6
990235.401389	BT40-CPU13-89	1-13mm	45	89	1.7
990235.401695	BT40-CPU16-95	1-16mm	50	95	1.8
990235.5016116	BT50-CPU16-116	1-16mm	50	116	4.7

MAS-BT-AD

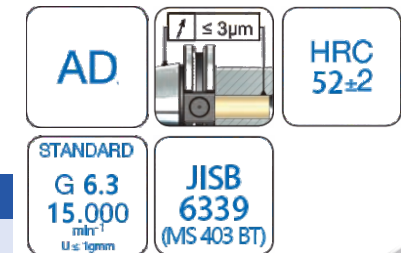
订单号/Order No.	型号/Model	d	D	A	KG
990235.401389AD	BT40-CPU13-89	1-13mm	45	89	1.7
990235.401695AD	BT40-CPU16-95	1-16mm	50	95	1.8
990235.5016116AD	BT50-CPU16-116	1-16mm	50	116	4.7

产品配件



备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-TC 同步丝锥刀柄 BT-TC SYNCHRO TAPPING CHUCK

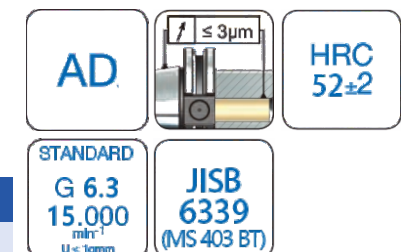


订单号/Order No.	型号/Model	d	D	L	KG
990230.3031280	BT30-TC312-80	19	36	80	
990230.30820130	BT30-TC820-130	31	53	130	
990230.4031282	BT40-TC312-82	19	36	82	
990230.40820110	BT40-TC820-110	31	53	110	
990230.401433180	BT40-TC1433-180	48	78	180	
990230.5031290	BT50-TC312-90	19	36	90	
990230.50820120	BT50-TC820-120	31	53	120	
990230.501433155	BT50-TC1433-155	48	78	155	

产品配件

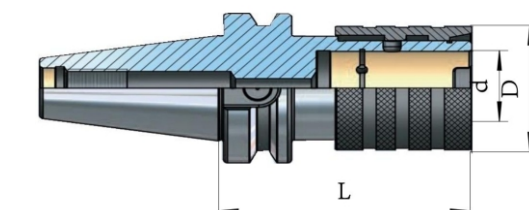


BT-GT同步丝锥刀柄 BT-GT SYNCHRO TAPPING CHUCK



订单号/Order No.	型号/Model	d	D	L	KG
990231.304112110	BT30-G4112-110	M2-M16	46	110	
990231.304124140	BT30-G4124-140	M6-M30	63	140	
990231.404112100	BT40-G4112-100	M2-M16	46	100	
990231.404124140	BT40-G4124-140	M6-M30	63	140	
990231.504112110	BT50-G4112-110	M2-M16	46	110	
990231.504124140	BT50-G4124-140	M6-M30	66	140	

产品配件

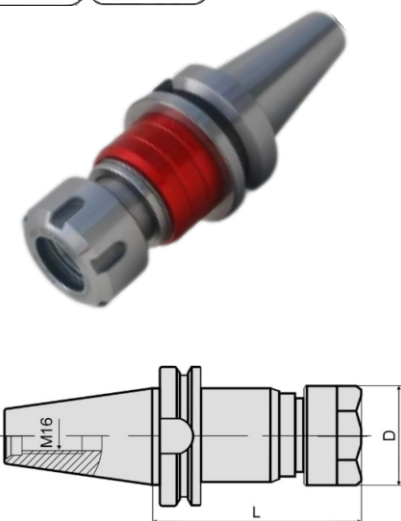


备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-TER 刚性攻丝刀柄

BT-TER RIGID TAPPING CHUCK

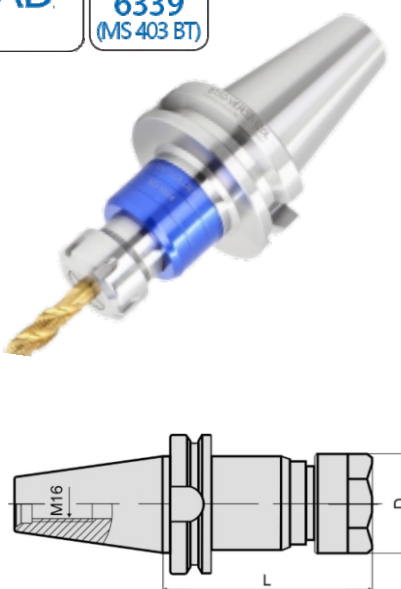
订单号/Order No.	型号/Model	d	D	L	KG
990233.3016100	BT30-TER16-100	M3-M10	28	100	
990233.3020100	BT30-TER20-100	M3-M12	34	100	
990233.3025100	BT30-TER25-100	M3-M16	42	100	
990233.3032100	BT30-TER32-100	M6-M20	50	100	
990233.4016100	BT40-TER16-100	M3-M10	28	100	
990233.4020100	BT40-TER20-100	M3-M12	34	100	
990233.4025100	BT40-TER25-100	M3-M16	42	100	
990233.4032100	BT40-TER32-100	M6-M20	50	100	
990233.5016100	BT50-TER16-100	M3-M10	28	100	
990233.5020100	BT50-TER20-100	M3-M12	34	100	
990233.5025100	BT50-TER25-100	M3-M16	42	100	
990233.5032100	BT50-TER32-100	M6-M20	50	100	



BT-VER 刚性攻丝刀柄

BT-VER RIGID TAPPING CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990232.3016100	BT30-VER16-100	M3-M10	28	100	
990232.3020100	BT30-VER20-100	M3-M12	34	100	
990232.3025100	BT30-VER25-100	M3-M16	42	100	
990232.3032100	BT30-VER32-100	M6-M20	50	100	
990232.4016100	BT40-VER16-100	M3-M10	28	100	
990232.4020100	BT40-VER20-100	M3-M12	34	100	
990232.4025100	BT40-VER25-100	M3-M16	42	100	
990232.4032100	BT40-VER32-100	M3-M20	50	100	
990232.5016100	BT50-VER16-100	M3-M10	28	100	
990232.5020100	BT50-VER20-100	M3-M12	34	100	
990232.5025100	BT50-VER25-100	M3-M16	42	100	
990232.5032100	BT50-VER32-100	M6-M20	50	100	



产品配件



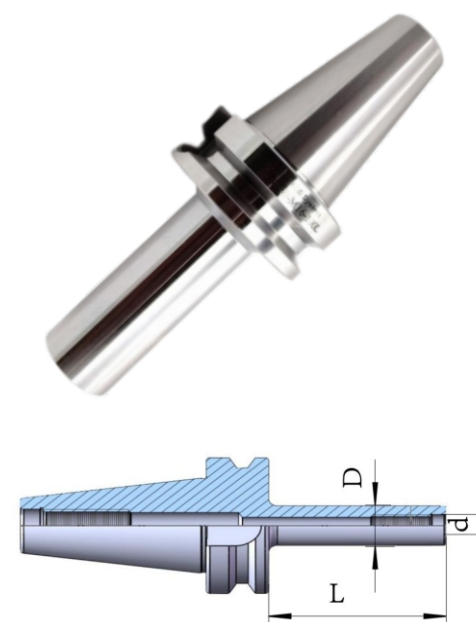
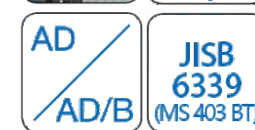
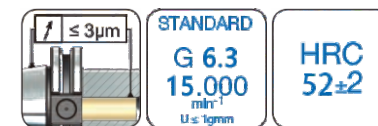
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-M 直柄锁牙刀柄

BT-M SCREWED HOLDER

订单号/Order No.	型号/Model	d	D	L	KG
990228.4010102	BT40-M10-102	10.5	18	102	1
990228.4010127	BT40-M10-127	10.5	18	127	1.1
990228.4010177	BT40-M10-177	10.5	18	177	1.21
990228.4012102	BT40-M12-102	12.5	21	102	1.1
990228.4012127	BT40-M12-127	12.5	21	127	1.2
990228.4012152	BT40-M12-152	12.5	21	152	1.3
990228.4012177	BT40-M12-177	12.5	21	177	1.4
990228.4016102	BT40-M16-102	17	29	102	1.3
990228.4016127	BT40-M16-127	17	29	127	1.4
990228.4016152	BT40-M16-152	17	29	152	1.5
990228.4016177	BT40-M16-177	17	29	177	1.7
990228.5010138	BT50-M10-138	10.5	18	138	3.8
990228.5010188	BT50-M10-188	10.5	18	188	4
990228.5012138	BT50-M12-138	12.5	21	138	3.9
990228.5012188	BT50-M12-188	12.5	21	188	4
990228.5016138	BT50-M16-138	17	29	138	4.1
990228.5016188	BT50-M16-188	17	29	188	4.3

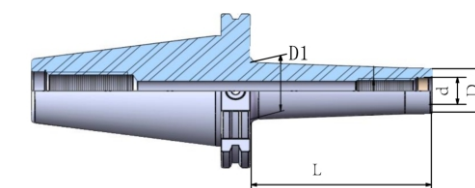
产品配件



BT-BOM 锥柄锁牙刀柄

BT-BOM SCREWED HOLDER

订单号/Order No.	型号/Model	d	D	D1	L	KG
990229.400852	BT40-BOM08-52	8.5	14.5	15	52	1
990229.400877	BT40-BOM08-77	8.5	14.5	23	77	1.1
990229.4008102	BT40-BOM08-102	8.5	14.5	23	102	1.1
990229.4008127	BT40-BOM08-127	8.5	14.5	25	127	1.2



备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
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For specific details of the BBT taper shank, please refer to page 02.



BT-BOM锥柄锁牙刀柄

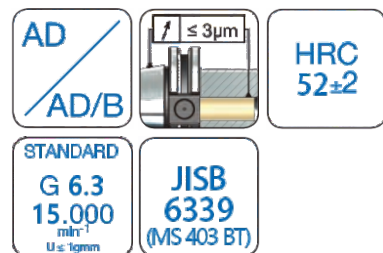
BT-BOM SCREWED END MILL HOLDER

订单号/Order No.	型号/Model	d	D	D1	L	KG
990229.401032	BT40-BOM10-32	10.5	18	18	32	1
990229.401052	BT40-BOM10-52	10.5	18	20	52	1
990229.401077	BT40-BOM10-77	10.5	18	23	77	1.1
990229.4010102	BT40-BOM10-102	10.5	18	28	102	1.2
990229.4010127	BT40-BOM10-127	10.5	18	32	127	1.3
990229.4010177	BT40-BOM10-177	10.5	18	36.5	177	1.6
990229.401232	BT40-BOM12-32	12.5	21	21	32	1
990229.401252	BT40-BOM12-52	12.5	21	24	52	1
990229.401277	BT40-BOM12-77	12.5	21	24	77	1.1
990229.4012102	BT40-BOM12-102	12.5	21	31	102	1.2
990229.4012127	BT40-BOM12-127	12.5	21	31	127	1.4
990229.4012152	BT40-BOM12-152	12.5	21	36	152	1.5
990229.4012177	BT40-BOM12-177	12.5	21	38	177	1.8
990229.401632	BT40-BOM16-32	17	29	29	32	1
990229.401652	BT40-BOM16-52	17	29	29	52	1
990229.401677	BT40-BOM16-77	17	29	34	77	1.2
990229.4016102	BT40-BOM16-102	17	29	34	102	1.4
990229.4016127	BT40-BOM16-127	17	29	36	127	1.5
990229.4016152	BT40-BOM16-152	17	29	40	152	1.8
990229.4016177	BT40-BOM16-177	17	29	42.5	177	2
990229.500888	BT50-BOM08-88	8.5	14.5	23	88	3.7
990229.5008138	BT50-BOM08-138	8.5	14.5	25	138	3.8
990229.5008188	BT50-BOM08-188	8.5	14.5	30	188	4
990229.501088	BT50-BOM10-88	10.5	18	23	88	3.7
990229.5010138	BT50-BOM10-138	10.5	18	32	138	3.9
990229.5010188	BT50-BOM10-188	10.5	18	36.5	188	4.2
990229.501288	BT50-BOM12-88	12.5	21	24	88	3.7
990229.5012138	BT50-BOM12-138	12.5	21	33	138	4
990229.5012188	BT50-BOM12-188	12.5	21	40	188	4.4
990229.501688	BT50-BOM16-88	17	29	34	88	3.8
990229.5016138	BT50-BOM16-138	17	29	36	138	4.2
990229.5016188	BT50-BOM16-188	17	29	42.5	188	4.7

产品配件



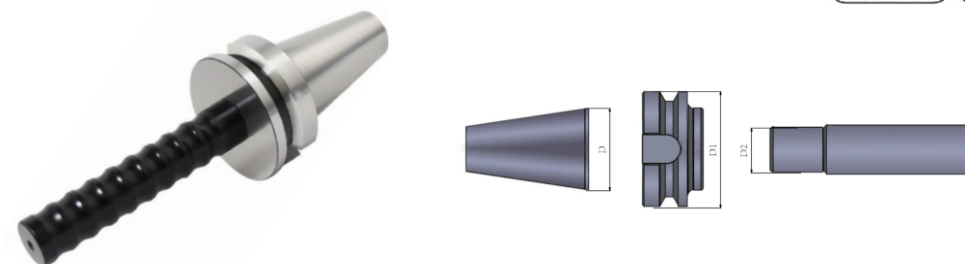
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.



BT-ATC校刀器

ATC ALIGNMENT TOOL SET

订单号/Order No.	型号/Model	D	D1	D2	KG
990225.30	BT30-ATC	31.75	46	18	1
990225.40	BT40-ATC	44.45	63	20	2
990225.50	BT50-ATC	69.85	100	28	5



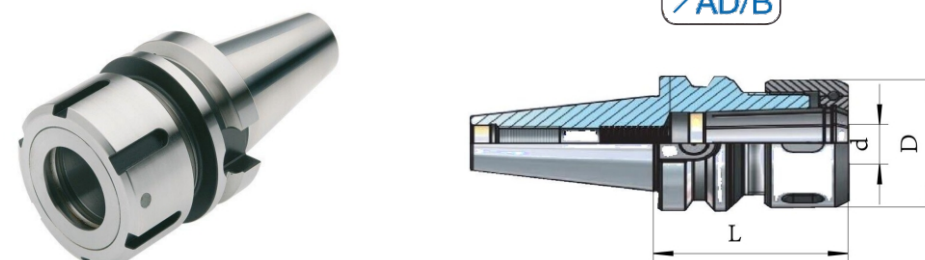
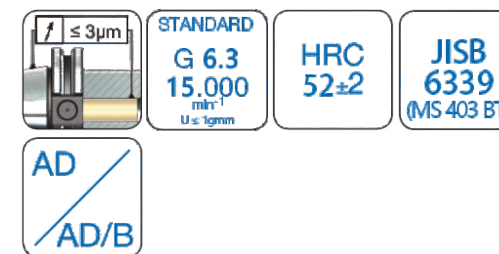
产品配件



BT-OZ筒夹刀柄

BT-OZ COLLET CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990225.301670	BT30-OZ16-70	3-16	43	70	0.8
990225.302580	BT30-OZ25-80	3-25	60	80	0.8
990225.401670	BT40-OZ16-70	3-16	43	70	1.3
990225.4025100	BT40-OZ25-100	3-25	60	100	1.5
990225.4032100	BT40-OZ32-100	6-32	72	100	1.8
990225.5025100	BT50-OZ25-100	3-25	60	100	4.3
990225.5032100	BT50-OZ32-100	6-32	72	100	4.5



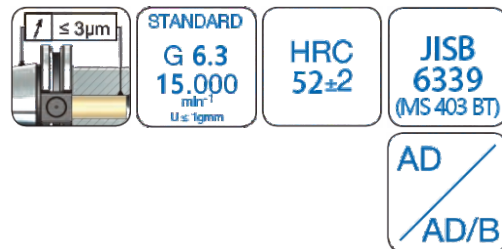
产品配件



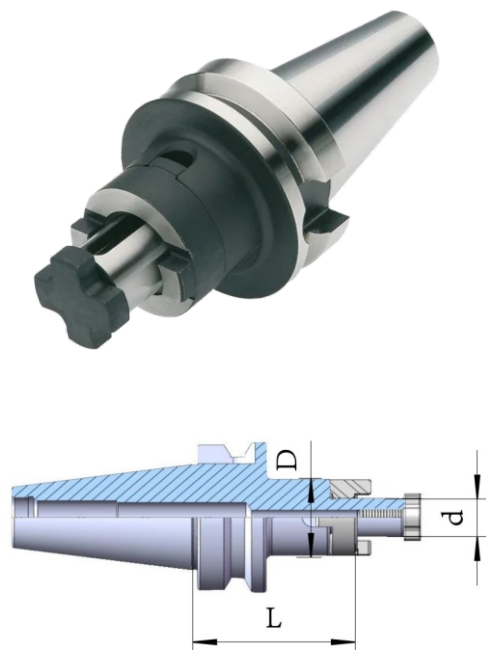
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-SEMC混插式面铣刀柄

BT-SEMC COMBI SHELL MILL HOLDER



订单号/Order No.	型号/Model	d	D	L	KG
990238.301645	BT30-SEMC16-45	16	32	45	0.6
990238.302250	BT30-SEMC22-50	22	40	50	0.7
990238.302750	BT30-SEMC27-50	27	48	50	0.9
990238.401655	BT40-SEMC16-55	16	32	55	1.2
990238.4016100	BT40-SEMC16-100	16	32	100	1.45
990238.4016160	BT40-SEMC16-160	16	32	160	1.9
990238.402255	BT40-SEMC22-55	22	40	55	1.3
990238.4022100	BT40-SEMC22-100	22	40	100	1.7
990238.4022160	BT40-SEMC22-160	22	40	160	2.3
990238.402755	BT40-SEMC27-55	27	48	55	1.45
990238.4027100	BT40-SEMC27-100	27	48	100	2
990238.4027160	BT40-SEMC27-160	27	48	160	3
990238.403255	BT40-SEMC32-55	32	58	55	1.7
990238.4032100	BT40-SEMC32-100	32	58	100	2.6
990238.4032160	BT40-SEMC32-160	32	58	160	3.8
990238.404055	BT40-SEMC40-55	40	70	55	2.2
990238.4040100	BT40-SEMC40-100	40	70	100	3
990238.4040160	BT40-SEMC40-160	40	70	160	4
990238.501670	BT50-SEMC16-70	16	32	70	3.9
990238.5016100	BT50-SEMC16-100	16	32	100	4.1
990238.5016160	BT50-SEMC16-160	16	32	160	4.5
990238.502270	BT50-SEMC22-70	22	40	70	4
990238.5022100	BT50-SEMC22-100	22	40	100	4.3
990238.5022160	BT50-SEMC22-160	22	40	160	5
990238.502770	BT50-SEMC27-70	27	48	70	4.2
990238.5027100	BT50-SEMC27-100	27	48	100	4.6
990238.5027160	BT50-SEMC27-160	27	48	160	5.5
990238.503270	BT50-SEMC32-70	32	58	70	4.5
990238.5032100	BT50-SEMC32-100	32	58	100	5.1
990238.5032160	BT50-SEMC32-160	32	58	160	6.5
990238.504070	BT50-SEMC40-70	40	70	70	4.9
990238.5040100	BT50-SEMC40-100	40	70	100	5.8
990238.5040160	BT50-SEMC40-160	40	70	160	7.8



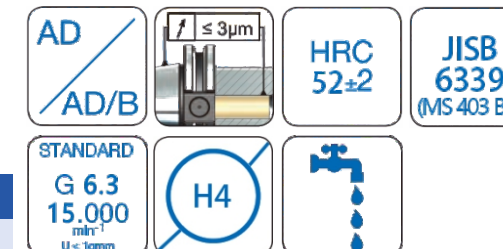
产品配件



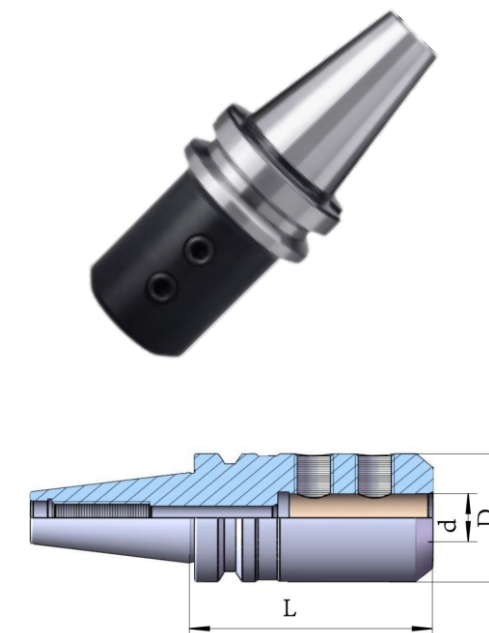
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-SLA 侧固刀柄

BT-SLA SIDE LOCK END MILL HOLDER



订单号/Order No.	型号/Model	d	D	L	KG
990236.300650	BT30-SLA06-50	6	25	50	0.8
990236.300850	BT30-SLA08-50	8	28	50	0.88
990236.301050	BT30-SLA10-50	10	35	50	0.9
990236.301250	BT30-SLA12-50	12	42	50	1.0
990236.301675	BT30-SLA16-75	16	48	75	1.15
990236.302075	BT30-SLA20-75	20	52	75	1.15
990236.302590	BT30-SLA25-90	25	65	90	1.8
990236.303290	BT30-SLA32-90	32	72	90	2
990236.40663	BT40-SLA06-63	6	25	63	1.2
990236.406100	BT40-SLA06-100	6	25	100	1.35
990236.40863	BT40-SLA08-63	8	28	63	1.2
990236.408100	BT40-SLA08-100	8	28	100	1.35
990236.401060	BT40-SLA10-63	10	35	63	1.3
990236.4010100	BT40-SLA10-100	10	35	100	1.35
990236.401263	BT40-SLA12-63	12	42	63	1.3
990236.401463	BT40-SLA14-63	14	44	63	1.35
990236.401663	BT40-SLA16-63	16	48	63	1.3
990236.4016100	BT40-SLA16-100	16	48	100	1.55
990236.4016160	BT40-SLA16-160	16	48	160	1.7
990236.4016200	BT40-SLA16-200	16	48	200	2
990236.401863	BT40-SLA18-63	18	50	63	1.3
990236.4018100	BT40-SLA18-100	18	50	100	1.55
990236.402063	BT40-SLA20-63	20	52	63	1.5
990236.4020100	BT40-SLA20-100	20	52	100	1.65
990236.4020160	BT40-SLA20-160	20	52	160	1.8
990236.4020200	BT40-SLA20-200	20	52	200	2
990236.4025100	BT40-SLA25-100	25	63	100	2.6
990236.4025160	BT40-SLA25-160	25	63	160	2.8
990236.4025200	BT40-SLA25-200	25	63	200	3
990236.4032100	BT40-SLA32-100	32	72	100	2.75
990236.4032160	BT40-SLA32-160	32	72	160	3
990236.4032200	BT40-SLA32-200	32	72	200	3.2
990236.4040100	BT40-SLA40-100	40	80	100	3.5
990236.4040160	BT40-SLA40-160	40	80	160	4
990236.4040200	BT40-SLA40-200	40	80	200	4.5



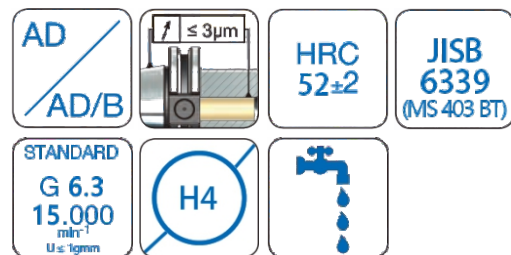
产品配件



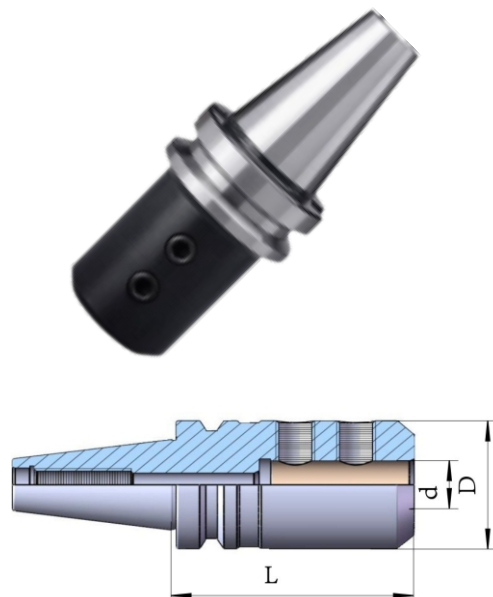
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-SLA 侧固刀柄

BT-SLA SIDE LOCK END MILL HOLDER



订单号/Order No.	型号/Model	d	D	L	KG
990236.506100	BT50-SLA06-100	6	25	100	4.1
990236.508100	BT50-SLA08-100	8	28	100	4.2
990236.5010100	BT50-SLA10-100	10	35	100	4.2
990236.5012100	BT50-SLA12-100	12	42	100	4.2
990236.5014100	BT50-SLA14-100	14	44	100	4.2
990236.501680	BT50-SLA16-80	16	48	80	4
990236.5016100	BT50-SLA16-100	16	48	100	4.2
990236.5016150	BT50-SLA16-150	16	48	150	5
990236.5016200	BT50-SLA16-200	16	48	200	6.8
990236.5016250	BT50-SLA16-250	16	48	250	7
990236.5016300	BT50-SLA16-300	16	48	300	7.5
990236.502080	BT50-SLA20-80	20	52	80	4.5
990236.5020100	BT50-SLA20-100	20	52	100	4.8
990236.5020150	BT50-SLA20-150	20	52	150	5.8
990236.5020200	BT50-SLA20-200	20	52	200	6.9
990236.5020250	BT50-SLA20-250	20	52	250	7.3
990236.5020300	BT50-SLA20-300	20	52	300	7.8
990236.502580	BT50-SLA25-80	25	63	80	5.3
990236.5025100	BT50-SLA25-100	25	63	100	5.5
990236.5025150	BT50-SLA25-150	25	63	150	6
990236.5025200	BT50-SLA25-200	25	63	200	7
990236.5025250	BT50-SLA25-250	25	63	250	7.5
990236.5025300	BT50-SLA25-300	25	63	300	8
990236.5032105	BT50-SLA32-105	32	72	105	6
990236.5032150	BT50-SLA32-150	32	72	150	6.5
990236.5032200	BT50-SLA32-200	32	72	200	7.5
990236.5032250	BT50-SLA32-250	32	72	250	8
990236.5032300	BT50-SLA32-300	32	72	300	8.5
990236.5040110	BT50-SLA40-110	40	80	110	6.5
990236.5040150	BT50-SLA40-150	40	80	150	7
990236.5040200	BT50-SLA40-200	40	80	200	7.5
990236.5040250	BT50-SLA40-250	40	80	250	8
990236.5040300	BT50-SLA40-300	40	80	300	8.5
990236.5050120	BT50-SLA50-120	50	90	120	7.2
990236.5050150	BT50-SLA50-150	50	90	150	8.5
990236.5050200	BT50-SLA50-200	50	90	200	9.5



产品配件

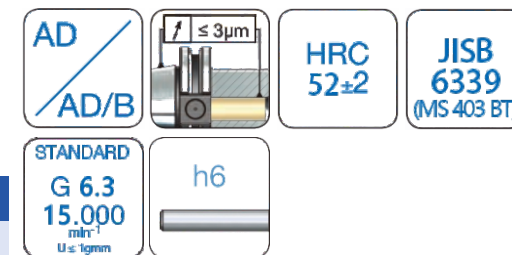


拉钉/Pull Stud

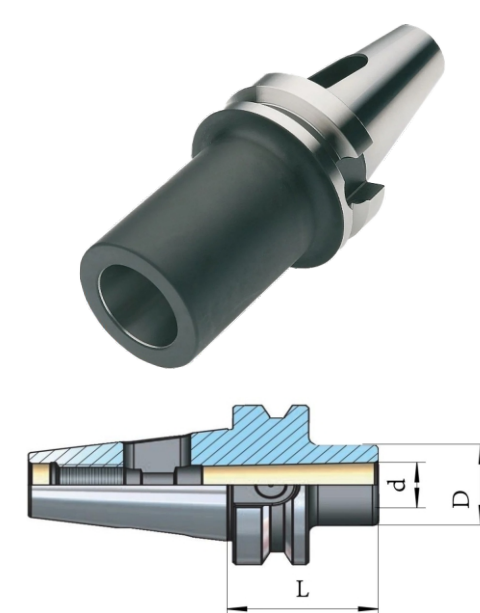
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-MTA带扁尾莫氏刀柄

BT-MTA MORSE TAPER ADAPTER



订单号/Order No.	型号/Model	d	D	L	KG
990222.300145	BT30-MTA1-45	12.065	25	45	0.55
990222.300260	BT30-MTA2-60	17.78	32	60	0.6
990222.300375	BT30-MTA3-75	23.825	40	75	0.8
990222.400145	BT40-MTA1-45	12.065	25	45	1.1
990222.4001120	BT40-MTA1-120	12.065	25	120	1.4
990222.4001150	BT40-MTA1-150	12.065	25	150	1.4
990222.400245	BT40-MTA2-45	17.78	32	45	1.1
990222.400260	BT40-MTA2-60	17.78	32	60	1.1
990222.4002120	BT40-MTA2-120	17.78	32	120	1.85
990222.4002150	BT40-MTA2-150	17.78	32	150	2
990222.400375	BT40-MTA3-75	23.825	40	75	1.2
990222.4003135	BT40-MTA3-135	23.825	40	135	1.9
990222.4003150	BT40-MTA3-150	23.825	40	150	2
990222.400490	BT40-MTA4-90	31.267	48	90	1.4
990222.4004150	BT40-MTA4-150	31.267	48	150	2.5
990222.500145	BT50-MTA1-45	12.065	25	45	3.8
990222.5001120	BT50-MTA1-120	12.065	25	120	4.3
990222.500260	BT50-MTA2-60	17.78	32	60	4
990222.5002120	BT50-MTA2-120	17.78	32	120	4.5
990222.5002150	BT50-MTA2-150	17.78	32	150	4.8
990222.500375	BT50-MTA3-75	23.825	40	75	3.8
990222.5003150	BT50-MTA3-150	23.825	40	150	5
990222.5003180	BT50-MTA3-180	23.825	40	180	5.5
990222.500475	BT50-MTA4-75	31.267	48	75	4.2
990222.500495	BT50-MTA4-95	31.267	48	95	4.4
990222.5004150	BT50-MTA4-150	31.267	48	150	5
990222.5004180	BT50-MTA4-180	31.267	48	180	5.5
990222.5005105	BT50-MTA5-105	44.399	63	105	4
990222.5005120	BT50-MTA5-120	44.399	63	120	5.5
990222.5005210	BT50-MTA5-210	44.399	63	210	7.5



产品配件

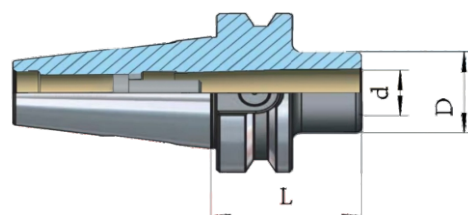


拉钉/Pull Stud

备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-MTB无扁尾莫氏刀柄 BT-MTB MORSE TAPER ADAPTER

订单号/Order No.	型号/Model	d	D	L	KG
990221.300145	BT30-MTB1-45	12.065	25	45	0.55
990221.300260	BT30-MTB2-60	17.78	32	60	0.6
990221.300375	BT30-MTB3-75	23.825	40	75	0.7
990221.400145	BT40-MTB1-45	12.065	25	45	1
990221.4001120	BT40-MTB1-120	12.065	25	120	1.4
990221.400260	BT40-MTB2-60	17.78	32	60	1.2
990221.4002120	BT40-MTB2-120	17.78	32	120	1.9
990221.400375	BT40-MTB3-75	23.825	40	75	1.2
990221.4003135	BT40-MTB3-135	23.825	40	135	1.9
990221.400490	BT40-MTB4-90	31.267	48	90	1.4
990221.4004165	BT40-MTB4-165	31.267	48	165	2.5
990221.500145	BT50-MTB1-45	12.065	25	45	3.8
990221.5001120	BT50-MTB1-120	12.065	25	120	4.3
990221.500260	BT50-MTB2-60	17.78	32	60	4
990221.5002135	BT50-MTB2-135	17.78	32	135	4.7
990221.500365	BT50-MTB3-65	23.825	40	65	3.9
990221.5003150	BT50-MTB3-150	23.825	40	150	5
990221.5003180	BT50-MTB3-180	23.825	40	180	6
990221.500470	BT50-MTB4-70	31.267	48	70	4.2
990221.5004150	BT50-MTB4-150	31.267	48	150	5
990221.5004180	BT50-MTB4-180	31.267	48	180	5.5
990221.5005105	BT50-MTB5-105	44.399	63	105	4.3
990221.5005210	BT50-MTB5-210	44.399	63	210	7.2



产品配件



备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-主轴验棒 BT-TEST BAR

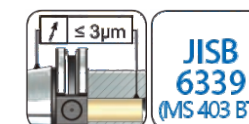
订单号/Order No.	型号/Model	D	L	KG
990223.3030250	BT30-D30-300	30	300	2
990223.4040300	BT40-D40-300	40	300	3
990223.5050300	BT50-D50-300	50	300	5

产品配件



BT-基础柄刀柄 BT-BASIC TOOL HOLDER

订单号/Order No.	型号/Model	D	L	KG
990220.3048150	BT30-D48-150	48	150	
990220.3048200	BT30-D48-200	48	200	
990220.3053100	BT30-D53-100	53	100	
990220.3053150	BT30-D53-150	53	150	
990220.3053200	BT30-D53-200	53	200	
990220.4063100	BT40-D63-100	63	100	
990220.4063150	BT40-D63-150	63	150	
990220.4063200	BT40-D63-200	63	200	
990220.4063250	BT40-D63-250	63	250	
990220.4083150	BT40-D83-150	83	150	
990220.4083200	BT40-D83-200	83	200	
990220.4083250	BT40-D83-250	83	250	
990220.50102100	BT50-D102-100	102	100	
990220.50102150	BT50-D102-150	102	150	
990220.50102200	BT50-D102-200	102	200	
990220.50102250	BT50-D102-250	102	250	
990220.50102300	BT50-D102-300	102	300	
990220.50127150	BT50-D127-150	127	150	
990220.50127200	BT50-D127-200	127	200	

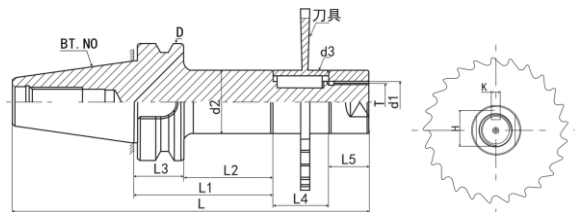


产品配件



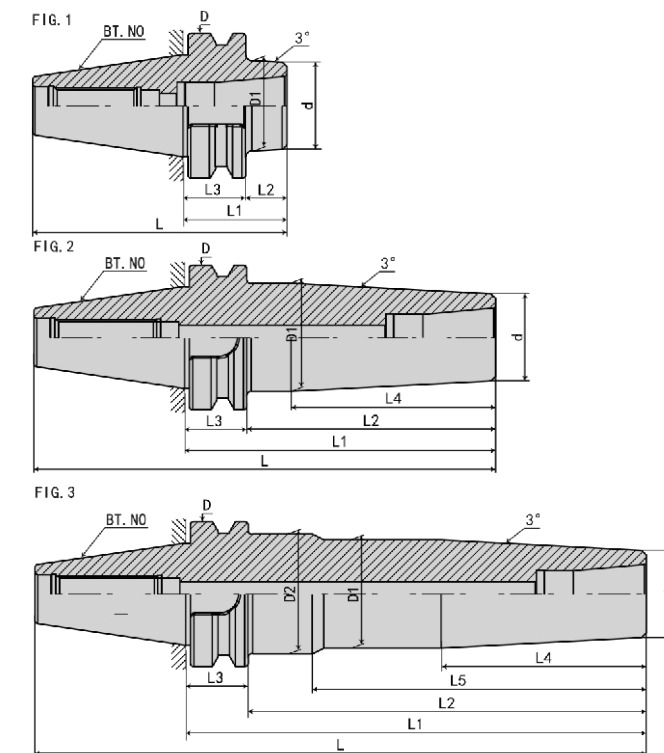
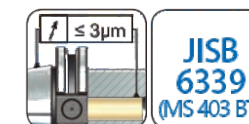
备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

BT-SCA侧铣刀柄 BT-SCA SIDE CUTTER ADAPTER



型号/Model	L	L1	L2	L3	L4	L5	D	d1	d2	d3	K	H	T	KG
BT30-SCA10-60	150.4	60	38	22	30	12	46	10	18	18			M8X1.25P	0.8
BT30-SCA16-60	154.4	60	38	22	30	16	46	16	26	26	4	17.7	M14X1.5P	1
BT30-SCA22-60	160.4	60	38	22	30	22	46	22	34	34	6	24.3	M20X1.5P	1.2
BT30-SCA22-75	175.4	75	53	22	30	22	46	22	34	34	6	24.3	M20x1.5P	1.4
BT40-SCA16-60	171.4	60	33	27	30	16	63	16	26	26	4	17.7	M14X1.5P	1.5
BT40-SCA22-60	177.4	60	33	27	30	22	63	22	34	34	6	24.3	M20X1.5P	1.6
BT40-SCA22-75	192.4	75	48	27	30	22	63	22	34	34	6	24.3	M20X1.5P	1.7
BT40-SCA22-120	237.4	120	93	27	30	22	63	22	34	34	6	24.3	M20X1.5P	2
BT40-SCA27-75	198.4	75	48	27	30	28	63	27	41	40	7	30	M24x1.5P	2.1
BT40-SCA27-120	243.4	120	93	27	30	28	63	27	41	40	7	30	M24X1.5P	2.5
BT40-SCA32-90	217.4	90	63	27	30	32	63	32	47	47	8	35	M30x1.5P	2.6
BT40-SCA22.22-75	192.4	75	48	27	30	22	63	22.22	34	34	3.17	24.6	M20x1.5P	1.7
BT40-SCA22.22-120	237.4	120	93	27	30	22	63	22.22	34	34	3.17	24.6	M20x1.5P	2
BT40-SCA25.4-75	198.4	75	48	27	30	28	63	25.4	41	40	6.35	28.4	M24X1.5P	2
BT40-SCA25.4-120	243.4	120	93	27	30	28	63	25.4	41	40	6.35	28.4	M24X1.5P	2.4
BT40-SCA31.75-90	217.4	90	63	27	30	32	63	31.75	47	47	7.93	34.8	M30X1.5P	2.6
BT50-SCA22-90	243.8	90	52	38	30	22	100	22	34	34	6	24.3	M20X1.5P	4.4
BT50-SCA22-135	288.8	135	97	38	30	22	100	22	34	34	6	24.3	M20x1.5P	4.7
BT50-SCA22-180	333.8	180	142	38	30	22	100	22	34	34	6	24.3	M20X1.5P	5
BT50-SCA27-90	249.8	90	52	38	30	28	100	27	41	40	7	30	M24X1.5P	4.6
BT50-SCA27-135	294.8	135	97	38	30	28	100	27	41	40	7	30	M24X1.5P	5
BT50-SCA27-180	339.8	180	142	38	30	28	100	27	41	40	7	30	M24x1.5P	5.5
BT50-SCA32-90	253.8	90	52	38	30	32	100	32	47	47	8	35	M30X1.5P	4.7
BT50-SCA32-135	298.8	135	97	38	30	32	100	32	47	47	8	35	M30x1.5P	5.2
BT50-SCA32-180	343.8	180	142	38	30	32	100	32	47	47	8	35	M30x1.5P	5.7
BT50-SCA40-90	261.8	90	52	38	30	40	100	40	55	55	10	43.7	M36X2.0P	5
BT50-SCA40-135	306.8	135	97	38	30	40	100	40	55	55	10	43.7	M36X2.0P	6
BT50-SCA40-180	351.8	180	142	38	30	40	100	40	55	55	10	43.7	M36X2.0P	7
BT50-SCA22.22-90	243.8	90	52	38	30	22	100	22.22	34	34	3.17	24.6	M20x1.5P	4.4
BT50-SCA22.22-135	288.8	135	97	38	30	22	100	22.22	34	34	3.17	24.6	M20X1.5P	4.7
BT50-SCA25.4-90	249.8	90	52	38	30	28	100	25.4	41	40	6.35	28.4	M24X1.5P	4.5
BT50-SCA25.4-135	294.8	135	97	38	30	28	100	25.4	41	40	6.35	28.4	M24x1.5P	4.9
BT50-SCA31.75-90	253.8	90	52	38	30	32	100	31.75	47	47	7.93	34.8	M30X1.5P	4.7
BT50-SCA31.75-135	298.8	135	97	38	30	32	100	31.75	47	47	7.93	34.8	M30x1.5P	5.2
BT50-SCA38.10-90	261.8	90	52	38	30	40	100	38.1	55	55	9.52	42.4	M36X2.0P	4.9
BT50-SCA38.10-135	306.8	135	97	38	30	40	100	38.1	55	55	9.52	42.4	M36X2.0P	5.9

BT-SLK热缩基础柄 BT-SLK SEMI-FINISHED SHRINK FIT CHUCK



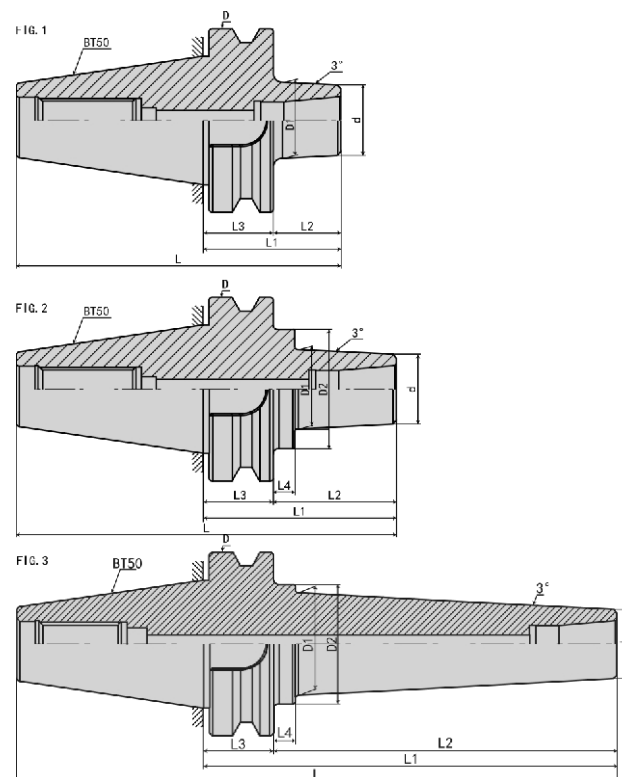
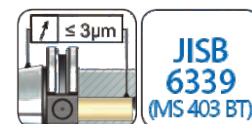
型号/Model	L	L1	L2	L3	L4	L5	D	D1	D2	d	FIG	KG
BT30-SLK12-45	93.4	45	23	22			46	40		38	1	
BT40-SLK12-45	110.4	45	18	27			63	40		38	1	1.15
BT40-SLK12-75	140.4	75	48	27			63	42.4		38	1	1.45
BT40-SLK12-135	200.4	135	108	27	89		63	47		38	2	2.2
BT40-SLK12-165	230.4	165	138	27	89		63	47		38	2	2.65
BT40-SLK12-200	265.4	200	173	27	89	145	63	47	52	38	3	3.25
BT40-SLK12-225	290.4	225	198	27	89	145	63	47	52	38	3	3.7

规格说明:

BT30 - SLK - 12 - 45
 锥柄形式 Taper size
 功能代号 Holder type
 刀杆直径 Diameter
 L1 长度 Length (L1)

BT50-SLK热缩基础柄

BT50-SLK SEMI-FINISHED SHRINK FIT CHUCK



型号/Model	L	L1	L2	L3	L4	D	D1	D2	d	FIG
BT50-SLK12-75	176.8	75	37	38		100	41		38	1
BT50-SLK12-105	206.8	105	67	38	12	100	43	65	38	2
BT50-SLK12-135	236.8	135	97	38	12	100	46.5	65	38	2
BT50-SLK12-165	266.8	165	127	38	12	100	50	65	38	2
BT50-SLK12-200	301.8	200	162	38	12	100	53.5	65	38	2
BT50-SLK12-225	326.8	225	187	38	12	100	56	65	38	2
BT50-SLK12-265	366.8	265	227	38	12	100	60	65	38	2
BT50-SLK12-315	416.8	315	277	38	12	100	65.5	65.5	38	2

规格说明:

BT50 - SLK - 12 - 75

- BT50: 锥柄形式 Taper size
- SLK: 功能代号 Holder type
- 12: 接口大小 Connection size
- 75: L1 长度 Length (L1)

备注: 本页BT系列相关产品, 均可供应/定制BBT高精度刀柄。BBT锥柄具体说明请参考02页。
Note: For the BT series products on this page, BBT high-precision tool holders can be supplied or customized.
For specific details of the BBT taper shank, please refer to page 02.

LBK镗刀柄系列

LBK BORING TOOL HOLDER SERIES





BT-LBK镗头刀柄
BT-LBK BORING HEAD SHANK



型号/Model	L	L1	L2	L3	L4	L5	D	d2	d1	侧边螺丝 Screw	KG
BT30-LBK1-55L	103.4	55	33	5.05	30	22	46	19	11	M4*0.5P	0.7
BT30-LBK1-70L	118.4	70	48	5.05	30	22	46	19	11	M4*0.5P	0.7
BT30-LBK2-80L	128.4	80	58	6.62	31	22	46	24	14	M5*0.5P	0.8
BT30-LBK3-80L	128.4	80	58	8	35	22	46	31	18	M6*0.75P	0.9
BT30-LBK4-70L	118.4	70	48	10	39	22	46	39	22	M8*0.75P	1
BT30-LBK5-60L	108.4	60	38	13	45	22	46	50	28	M10*1.0P	1.1
BT30-LBK6-60L	108.4	60	38	16	55	22	46	63	36	M12*1.0P	1.2
BT40-LBK1-75L	140.4	75	48	5.05	30	27	63	19	11	M4*0.5P	1
BT40-LBK1-105L	170.4	105	78	5.05	30	27	63	19	11	M4*0.5P	1.2
BT40-LBK2-85L	150.4	85	58	6.62	31	27	63	24	14	M5*0.5P	1.2
BT40-LBK2-115L	180.4	115	88	6.62	31	27	63	24	14	M5*0.5P	1.3
BT40-LBK3-95L	160.4	95	68	8	35	27	63	31	18	M6*0.75P	1.3
BT40-LBK3-125L	190.4	125	98	8	35	27	63	31	18	M6*0.75P	1.2
BT40-LBK3-155L	220.4	155	128	8	35	27	63	31	18	M6*0.75P	1.6
BT40-LBK3-185L	250.4	185	158	8	35	27	63	31	18	M6*0.75P	1.7
BT40-LBK4-85L	150.4	85	58	10	39	27	63	39	22	M8*0.75P	1.45
BT40-LBK4-130L	195.4	130	103	10	39	27	63	39	22	M8*0.75P	1.5
BT40-LBK4-175L	240.4	175	148	10	39	27	63	39	22	M8*0.75P	2.1
BT40-LBK4-205L	270.4	205	178	10	39	27	63	39	22	M8*0.75P	2.2
BT40-LBK4-250L	315.4	250	223	10	39	27	63	39	22	M8*0.75P	2.3
BT40-LBK5-75L	140.4	75	48	13	45	27	63	50	28	M10*1.0P	1.7
BT40-LBK5-125L	190.4	125	98	13	45	27	63	50	28	M10*1.0P	1.95
BT40-LBK5-175L	240.4	175	148	13	45	27	63	50	28	M10*1.0P	3
BT40-LBK5-205L	270.4	205	178	13	45	27	63	50	28	M10*1.0P	3.2
BT40-LBK5-250L	315.4	250	223	13	45	27	63	50	28	M10*1.0P	3.5
BT40-LBK6-65L	130.4	65	38	16	55	27	63	63	36	M12*1.0P	2.15
BT40-LBK6-115L	180.4	115	88	16	55	27	63	63	36	M12*1.0P	3.5
BT40-LBK6-165L	230.4	165	138	16	55	27	63	63	36	M12*1.0P	3.85
BT40-LBK6-205L	270.4	205	178	16	55	27	63	63	36	M12*1.0P	4.1
BT50-LBK1-90L	191.8	90	52	5.05	30	38	100	19	11	M4*0.5P	3.7
BT50-LBK1-115L	216.8	115	77	5.05	30	38	100	19	11	M4*0.5P	3.9
BT50-LBK1-145L	246.8	145	107	5.05	30	38	100	19	11	M4*0.5P	4.4
BT50-LBK1-175L	276.8	175	137	5.05	30	38	100	19	11	M4*0.5P	4.5
BT50-LBK2-90L	191.8	90	52	6.62	31	38	100	24	14	M5*0.5P	3.8
BT50-LBK2-110L	211.8	110	72	6.62	31	38	100	24	14	M5*0.5P	4
BT50-LBK2-140L	241.8	140	102	6.62	31	38	100	24	14	M5*0.5P	5



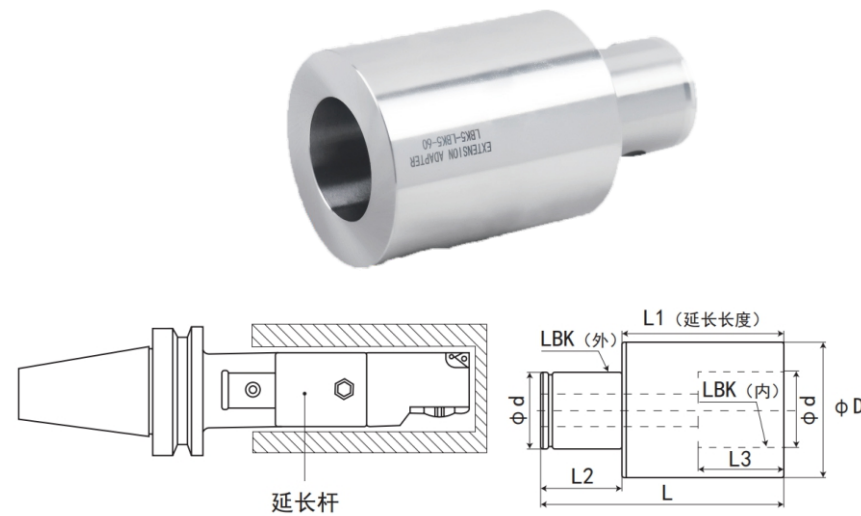
BT-LBK镗头刀柄
BT-LBK BORING HEAD SHANK



型号/Model	L	L1	L2	L3	L4	L5	D	d2	d1	侧边螺丝 Screw	KG
BT50-LBK2-175L	276.8	175	137	6.62	31	38	100	24	14	M5*0.5P	4.2
BT50-LBK3-90L	191.8	90	52	8	35	38	100	31	18	M6*0.75P	4.4
BT50-LBK3-125L	226.8	125	87	8	35	38	100	31	18	M6*0.75P	4.4
BT50-LBK3-155L	256.8	155	117	8	35	38	100	31	18	M6*0.75P	4.6
BT50-LBK3-185L	286.8	185	147	8	35	38	100	31	18	M6*0.75P	4.4
BT50-LBK3-215L	316.8	215	177	8	35	38	100	31	18	M6*0.75P	4.65
BT50-LBK4-90L	191.8	90	52	10	39	38	100	39	22	M6*0.75P	4.6
BT50-LBK4-115L	216.8	115	77	10	39	38	100	39	22	M8*0.75P	4.8
BT50-LBK4-145L	246.8	145	107	10	39	38	100	39	22	M8*0.75P	5.2
BT50-LBK4-175L	276.8	175	137	10	39	38	100	39	22	M8*0.75P	4.6
BT50-LBK4-205L	306.8	205	167	10	39	38	100	39	22	M8*0.75P	4.85
BT50-LBK4-250L	351.8	250	212	10	39	38	100	39	22	M8*0.75P	5.2
BT50-LBK4-300L	401.8	300	262	10	39	38	100	39	22	M8*0.75P	5.5
BT50-LBK4-350L	451.8	350	312	10	39	38	100	39	22	M8*0.75P	5.8
BT50-LBK5-95L	196.8	95	57	13	45	38	100	50	28	M10*1.0P	5.4
BT50-LBK5-105L	206.8	105	67	13	45	38	100	50	28	M10*1.0P	5.5
BT50-LBK5-150L	251.8	150	112	13	45	38	100	50	28	M10*1.0P	6
BT50-LBK5-180L	281.8	180	142	13	45	38	100	50	28	M10*1.0P	6.2
BT50-LBK5-240L	341.8	240	202	13	45	38	100	50	28	M10*1.0P	6.4
BT50-LBK5-270L	371.8	270	232	13	45	38	100	50	28	M10*1.0P	6.7
BT50-LBK5-300L	401.8	300	262	13	45	38	100	50	28	M10*1.0P	7
BT50-LBK5-350L	451.8	350	312	13	45	38	100	50	28	M10*1.0P	7.3
BT50-LBK6-95L	196.8	95	57	16	55	38	100	63	36	M12*1.0P	5.9
BT50-LBK6-150L	251.8	150	112	16	55	38	100	63	36	M12*1.0P	6.5
BT50-LBK6-170L	271.8	170	132	16	55	38	100	63	36	M12*1.0P	6.3
BT50-LBK6-205L	306.8	205	167	16	55	38	100	63	36	M12*1.0P	6.9
BT50-LBK6-230L	331.8	230	192	16	55	38	100	63	36	M12*1.0P	7.45
BT50-LBK6-270L	371.8	270	232	16	55	38	100	63	36	M12*1.0P	8.2
BT50-LBK6-300L	401.8	300	262	16	55	38	100	63	36	M12*1.0P	9.5
BT50-LBK6-350L	451.8	350	312	16	55	38	100	63	36	M12*1.0P	10.8
BT50-LBK6-400L	501.8	400	362	16	55	38	100	63	36	M12*1.0P	11.8
BT50-LBK6-450L	551.8	450	412	16	55	38	100	63	36	M12*1.0P	12.8

LBK等径镗刀延长杆

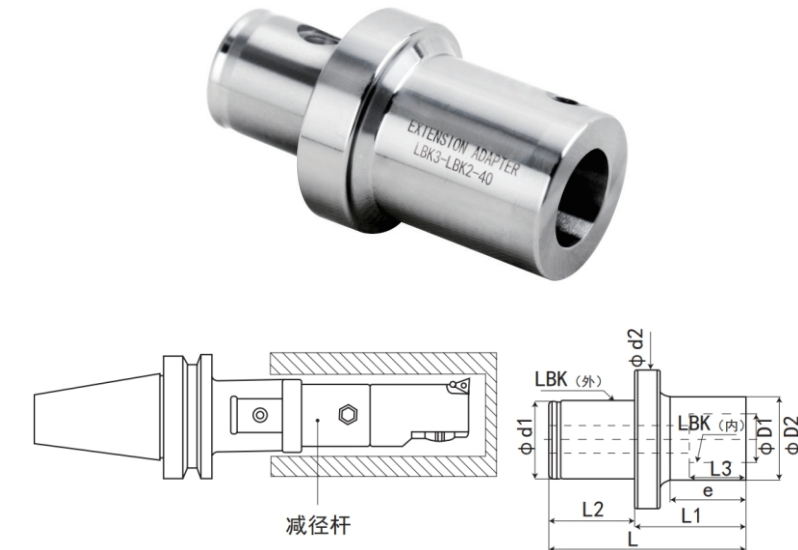
LBK EXTENSION CONSTANT DIAMETER



型号/Model	LBK(外)	LBK(内)	Ød	ØD	L	L1	L2	L3	连接镗刀头型号Applicable Boring Heads	侧边螺丝Screw	KG
LBK1-1-30L	LBK1	LBK1	11	19	43	30	13	18	CBH20/RBH20	M4*0.5P	0.07
LBK1-1-100L	LBK1	LBK1	11	19	113	100	13	18	CBH20/RBH20	M4*0.5P	0.24
LBK2-2-30L	LBK2	LBK2	14	24	46	30	16	21	CBH25/RBH25	M5*0.5P	0.1
LBK2-2-100L	LBK2	LBK2	14	24	116	100	16	21	CBH25/RBH25	M5*0.5P	0.35
LBK2-2-150L	LBK2	LBK2	14	24	166	150	16	21	CBH25/RBH25	M5*0.5P	0.6
LBK3-3-30L	LBK3	LBK3	14	31	50	30	20	25	CBH32/RBH32	M6*0.75P	0.15
LBK3-3-100L	LBK3	LBK3	18	31	120	100	20	25	CBH32/RBH32	M6*0.75P	0.52
LBK3-3-150L	LBK3	LBK3	18	31	170	150	20	25	CBH32/RBH32	M6*0.75P	0.9
LBK4-4-45L	LBK4	LBK4	22	39	69	45	24	29	CBH40/RBH40	M8*0.75P	0.4
LBK4-4-100L	LBK4	LBK4	22	39	124	100	24	29	CBH40/RBH40	M8*0.75P	1.4
LBK4-4-150L	LBK4	LBK4	22	39	174	150	24	29	CBH40/RBH40	M8*0.75P	2.4
LBK5-5-60L	LBK5	LBK5	28	50	90	60	30	35	CBH52/RBH52	M10*1.0P	0.8
LBK5-5-100L	LBK5	LBK5	28	50	130	100	30	35	CBH52/RBH52	M10*1.0P	2.8
LBK5-5-150L	LBK5	LBK5	28	50	180	150	30	35	CBH52/RBH52	M10*1.0P	3.8
LBK6-6-60L	LBK6	LBK6	36	64	100	60	40	45	CBH68/CBH100/CBH150/RBH68/RBH90	M12*1.0P	1.4
LBK6-6-100L	LBK6	LBK6	36	64	140	100	40	45	CBH68/CBH100/CBH150/RBH68/RBH90	M12*1.0P	2.5
LBK6-6-150L	LBK16	LBK6	36	64	190	150	40	45	CBH68/CBH100/CBH150/RBH68/RBH90/NBJ16	M12*1.0P	3.4

LBK异径镗刀延长杆

LBK EXTENSION REDUCING

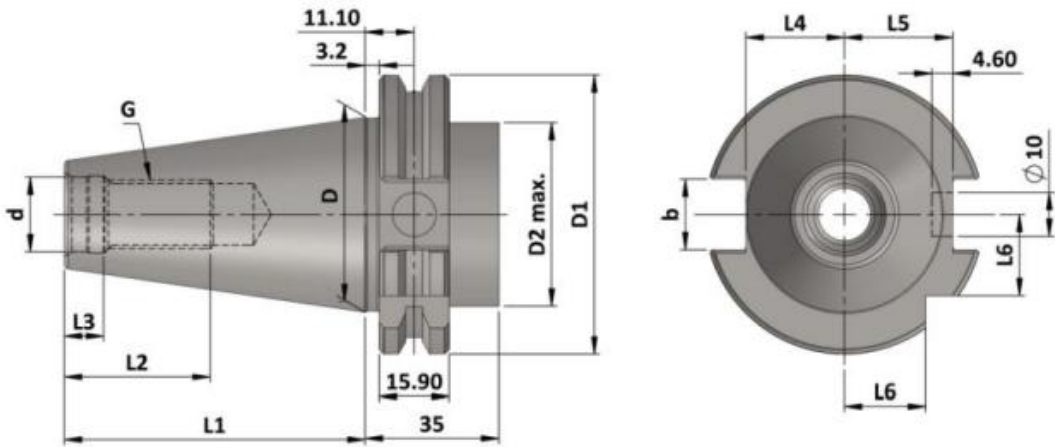


型号/Model	LBK(外)	LBK(内)	Ød1	Ød2	ØD1	ØD2	L	L1	L2	L3	e	连接镗刀头型号Applicable Boring Heads	侧边螺丝Screw	KG
LBK2-1-36L	LBK2	LBK1	14	24	11	19	52	36	16	18	30	CBH20/RBH20	M4*0.5P	0.1
LBK3-1-41L	LBK3	LBK1	18	31	11	19	61	41	20	18	30	CBH20/RBH20	M4*0.5P	0.15
LBK3-2-37L	LBK3	LBK2	18	31	14	24	57	37	20	21	25	CBH25/RBH25	M5*0.5P	0.15
LBK4-1-58L	LBK4	LBK1	22	39	11	19	82	58	24	18	40	CBH20/RBH20	M4*0.5P	0.3
LBK4-2-50L	LBK4	LBK2	22	39	14	24	74	50	24	21	36	CBH25/RBH25	M5*0.5P	0.3
LBK4-3-50L	LBK4	LBK3	22	39	18	31	74	50	24	25	37	CBH32/RBH32	M6*0.75P	0.35
LBK5-1-60L	LBK5	LBK1	28	50	11	19	90	60	30	18	40	CBH20/RBH20	M4*0.5P	0.45
LBK5-2-54L	LBK5	LBK2	28	50	14	24	84	54	30	21	35	CBH25/RBH25	M5*0.5P	0.45
LBK5-2-74L	LBK5	LBK2	28	50	14	24	101	71	30	21	55	CBH25/RBH25	M5*0.5P	0.5
LBK5-3-47L	LBK5	LBK3	28	50	18	31	77	47	30	25	29	CBH32/RBH32	M6*0.75P	0.5
LBK5-3-72L	LBK5	LBK3	28	50	18	31	102	72	30	25	54	CBH32/RBH32	M6*0.75P	0.6
LBK5-4-42L	LBK5	LBK4	28	50	22	39	72	42	30	29	25	CBH40/RBH40	M8*0.75P	0.5
LBK5-4-67L	LBK5	LBK4	28	50	22	39	97	67	30	29	50	CBH40/RBH40	M8*0.75P	0.45
LBK6-1-70L	LBK6	LBK1	36	64	11	19	110	70	40	18	40	CBH20/RBH20	M4*0.5P	0.9
LBK6-2-63L	LBK6	LBK2	36	64	14	24	103	63	40	21	45	CBH25/RBH25	M5*0.5P	0.7
LBK6-2-93L	LBK6	LBK2	36	64	14	24	133	93	40	21	75	CBH25/RBH25	M5*0.5P	0.8
LBK6-3-56L	LBK6	LBK3	36	64	18	31	96	56	40	25	39	CBH32/RBH32	M6*0.75P	0.75
LBK6-3-96L	LBK6	LBK3	36	64	18	31	96	56	40	25	79	CBH32/RBH32	M6*0.75P	0.95
LBK6-4-51L	LBK6	LBK4	36	64	22	39	91	51	40	29	35	CBH40/RBH40	M8*0.75P	0.85
LBK6-4-101L	LBK6	LBK4	36	64	22	39	141	101	40	29	85	CBH40/RBH40	M8*0.75P	1.3
LBK6-5-41L	LBK6	LBK5	36	64	28	50	81	41	40	35	25	CBH52/RBH52	M10*1.0P	0.85
LBK6-5-91L	LBK6	LBK5	36	64	28	50	131	91	40	35	75	CBH52/RBH52	M10*1.0P	1.45
BST-LBK6	BST	LBK6	50	95	36	64	100			45	60	CBH68/CBH100/CBH150/RBH68/RBH90/NBJ16	M12*1.0P	3.32

SK刀柄系列
SK HOLDER SERIES



SK Taper Standard SK锥柄标准



Size	d	D	D1	D2	b	G	L1	L2	L3	L4	L5	L6
SK30	13	31.75	50.00	45	16.1	M12	47.8	24	5.5	16.3	19.0	15.0
SK40	17	44.45	63.55	50	16.1	M16	68.4	32	8.2	22.7	25.0	18.5
SK50	25	69.85	97.50	80	25.7	M24	101.8	47	11.5	35.5	37.7	30.00

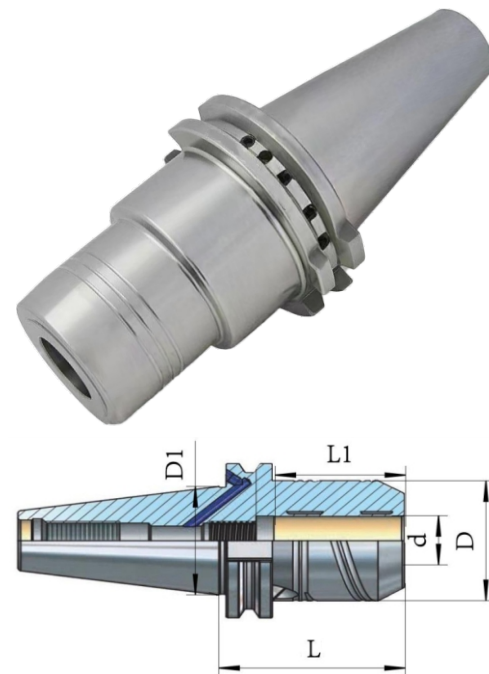
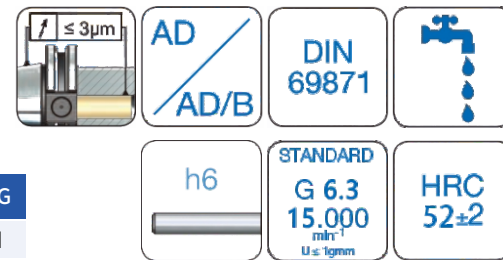
锥度标准:DIN69871
材料:合金淬火钢
表面处理:工艺发蓝, 抛光
锥度公差:<AT3
硬度:HRC58-62
碳深:0.8±0.2mm
表面粗糙度:Pa<0.005mm
平衡:G6.3/15000;G2.5/25000
冷却:AD;AD/B可按要求制作
Taper shandard:ANSI B5.50
Material:Alloyed case hardeneed steel
Surface Treatment:Anti-rust treatment;Polishing treatment
Taper tolerance:< At3
Hardness:HRC 58-62
Carbon depth:0.8+0.2mm
Surface Roughness:Pa<0.005mm
Balancing:G6.3/15000;G2.5/25000
can be made by request



SK-PHC高精度液压刀柄

SK-PHC HIGH PRECISION HYDRAULIC CHUCK

订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990450.300675	SK30-PHC06-75	6	26	31.75	75	38	1
990450.300875	SK30-PHC08-75	8	28	31.75	75	38	1.05
990450.301075	SK30-PHC10-75	10	30	31.75	75	42	1.1
990450.301290	SK30-PHC12-90	12	34	31.75	90	47	1.15
990450.301490	SK30-PHC14-90	14	36	31.75	90	47	1.15
990450.301690	SK30-PHC16-90	16	38	31.75	90	50	1.15
990450.301890	SK30-PHC18-90	18	40	31.75	90	50	1.25
990450.302090	SK30-PHC20-90	20	42	31.75	90	52	1.18
990450.4006805	SK40-PHC06-80.5	6	28	44.45	80.5	38	1.2
990450.4008805	SK40-PHC08-80.5	8	30	44.45	80.5	38	1.25
990450.4010805	SK40-PHC10-80.5	10	32	44.45	80.5	42	1.3
990450.4012805	SK40-PHC12-80.5	12	34	44.45	80.5	47	1.35
990450.4016805	SK40-PHC16-80.5	16	38	44.45	80.5	50	1.35
990450.4020805	SK40-PHC20-80.5	20	42	44.45	80.5	52	1.38
990450.4025805	SK40-PHC25-80.5	25	57	44.45	80.5	58	1.5
990450.403290	SK40-PHC32-90	32	62	44.45	105	62	1.6
990450.500690	SK50-PHC06-90	6	28	69.85	90	38	1.8
990450.500890	SK50-PHC08-90	8	30	69.85	90	38	3.55
990450.501090	SK50-PHC10-90	10	36	69.85	90	42	3.65
990450.501290	SK50-PHC12-90	12	38	69.85	90	47	3.75
990450.501490	SK50-PHC14-90	14	40	69.85	90	47	3.8
990450.501690	SK50-PHC16-90	16	42	69.85	90	50	3.75
990450.501890	SK50-PHC18-90	18	44	69.85	90	50	3.9
990450.502090	SK50-PHC20-90	2	46	69.85	90	52	4
990450.5025105	SK50-PHC25-105	25	54	69.85	105	58	4.04
990450.5032105	SK50-PHC32-105	32	62	69.85	105	62	4.22



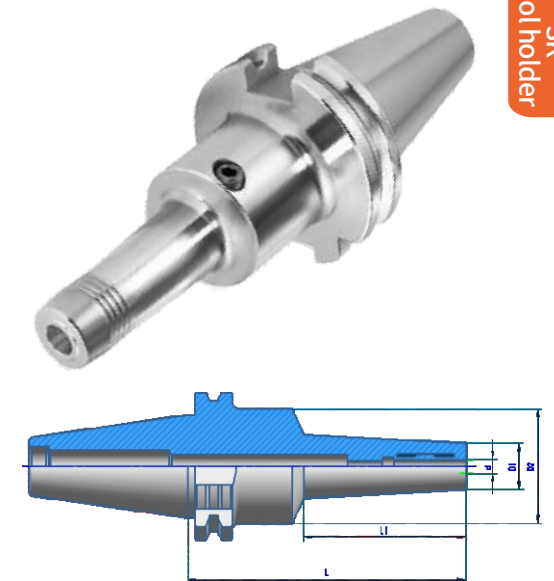
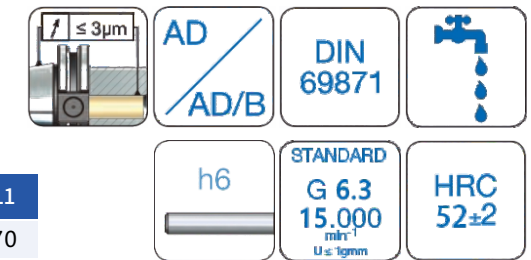
产品配件



SK-HCS高精度液压刀柄，细长型

SK-HCS SLIM TYPE HYDRAULIC CHUCK

订单号/Order No.	型号/Model	d	D1	D2	L	L1
990450.300675	SK40-HCS6-120	6	20	49.5	120	70
990450.300875	SK40-HCS6-150	6	20	49.5	150	100
990450.301075	SK40-HCS8-120	8	22	49.5	120	70
990450.301290	SK40-HCS8-150	8	22	49.5	150	100
990450.301490	SK40-HCS10-120	10	24	44.5	120	70
990450.301690	SK40-HCS10-150	10	24	44.5	150	100
990450.301890	SK40-HCS12-120	12	25	44.5	120	70
990450.302090	SK40-HCS12-150	12	25	44.5	150	100
990450.4006805	SK40-HCS16-120	16	32	49.5	120	70
990450.4008805	SK40-HCS16-150	16	32	49.5	150	100
990450.4010805	SK40-HCS20-120	20	34	49.5	120	70
990450.4012805	SK40-HCS20-150	20	34	49.5	150	100
990450.4016805	SK40-HCS6-150	6	20	44.5	150	100
990450.4020805	SK40-HCS8-150	8	22	44.5	150	100
990450.4025805	SK40-HCS10-150	10	24	44.5	150	100
990450.403290	SK40-HCS12-150	12	25	44.5	150	100
990450.500690	SK40-HCS16-150	16	32	44.5	150	100
990450.403290	SK40-HCS20-150	20	34	44.5	150	100

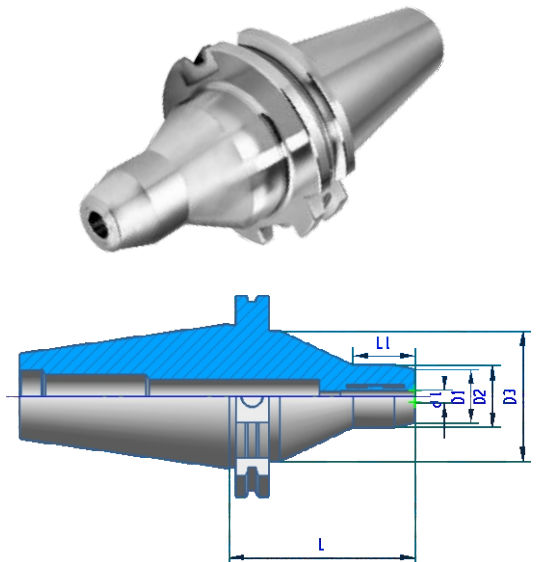
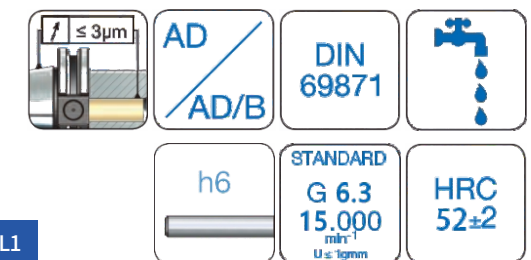


SK
tool holder

SK-液压刀柄，研磨机专用

SK-Hydraulic Chuck, for Grind

订单号/Order No.	型号/Model	d1	D1	D2	D3	L	L1
990450.300675	SK50-PHC6-90	6	14	30	63	90	30
990450.300875	SK50-PHC8-90	8	16	30	63	90	30
990450.301075	SK50-PHC10-90	10	18	30	63	90	30
990450.301290	SK50-PHC12-90	12	21	33	63	90	35
990450.301490	SK50-PHC14-90	14	22	35	63	90	35
990450.301690	SK50-PHC16-90	16	24	38	63	90	40
990450.301890	SK50-PHC18-90	18	26	40	63	90	40
990450.302090	SK50-PHC20-110	20	29	42	63	110	40
990450.4006805	SK50-PHC25-110	25	34	50	70	110	45
990450.4008805	SK50-PHC32-110	32	42	56	80	110	50

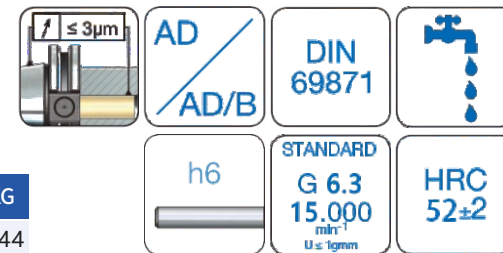


产品配件

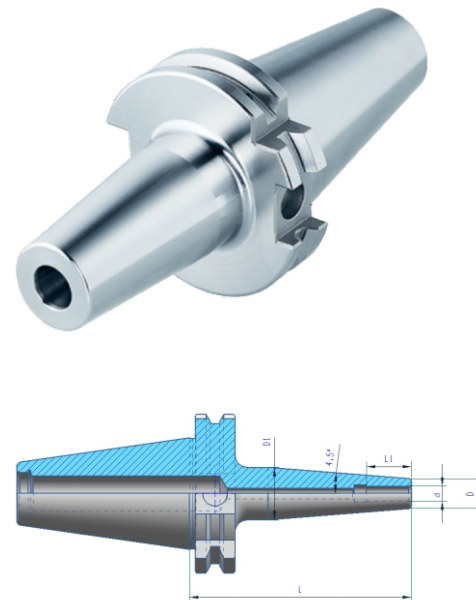


SK-SF热缩刀柄，标准型

SK-SF SHRINK FIT CHUCK 4.5°



订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990448.30038	SK30-SF03-80	3	9	16	80	12	0.44
990448.300480	SK30-SF04-80	4	10	18	80	16	0.47
990448.300580	SK30-SF05-80	5	15	20	80	16	0.47
990448.300680	SK30-SF06-80	6	21	27	80	26	0.59
990448.300880	SK30-SF08-80	8	21	27	80	26	0.58
990448.301080	SK30-SF10-100	10	24	32	100	32	0.89
990448.301280	SK30-SF12-100	12	24	32	100	37	0.86
990448.301480	SK30-SF14-100	14	27	34	100	37	0.88
990448.301680	SK30-SF16-100	16	27	34	100	40	1.03
990448.301880	SK30-SF18-100	18	33	42	100	40	1.04
990448.302080	SK30-SF20-100	20	33	42	100	42	1.2
990448.400380	SK40-SF03-80	3	9	16	80	12	0.85
990448.400480	SK40-SF04-80	4	10	18	80	16	0.88
990448.400680	SK40-SF06-80	6	21	20	80	26	1.03
990448.400880	SK40-SF08-80	8	21	27	80	26	1.02
990448.401080	SK40-SF10-80	10	24	27	80	32	1.09
990448.401280	SK40-SF12-80	12	24	32	80	37	1.06
990448.401680	SK40-SF16-80	16	27	32	80	40	1.08
990448.401880	SK40-SF18-80	18	33	42	80	40	1.23
990448.402080	SK40-SF20-80	20	33	42	80	42	1.2
990448.4025100	SK40-SF25-100	25	44	50	100	48	1.75
990448.4032100	SK40-SF32-100	32	44	50	100	52	1.59
990448.400612	SK40-SF06-120	6	21	27	120	16	1.19
990448.4008120	SK40-SF08-120	8	21	27	120	26	1.18
990448.4010120	SK40-SF10-120	10	24	32	120	32	1.32
990448.4012120	SK40-SF12-120	12	24	32	120	37	1.27
990448.4014120	SK40-SF14-120	14	27	34	120	37	1.35
990448.4016120	SK40-SF16-120	16	27	34	120	40	1.33
990448.4018120	SK40-SF18-120	18	33	42	120	40	1.62
990448.4020120	SK40-SF20-120	20	33	42	120	42	1.6
990448.4025120	SK40-SF25-120	25	44	50	120	48	2.08
990448.4006160	SK40-SF06-160	6	21	32	160	16	1.35
990448.4008160	SK40-SF08-160	8	21	32	160	26	1.35
990448.4010160	SK40-SF10-160	10	24	34	160	32	1.56
990448.4012160	SK40-SF12-160	12	24	34	160	37	1.49
990448.4014160	SK40-SF14-160	14	27	42	160	37	1.6
990448.4016160	SK40-SF16-160	16	27	42	160	40	1.58
990448.4018160	SK40-SF18-160	18	33	50	160	40	2.02
990448.4020160	SK40-SF20-160	20	33	50	160	42	1.99
990448.4025160	SK40-SF25-160	25	44	50	160	48	2.73
990448.4032160	SK40-SF32-160	32	44	50	160	52	2.57

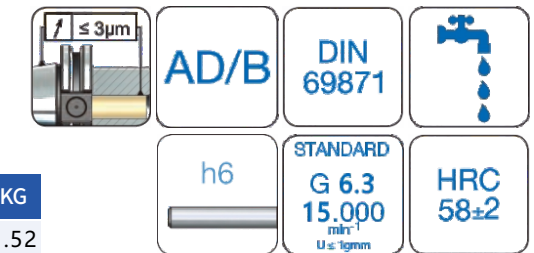


产品配件

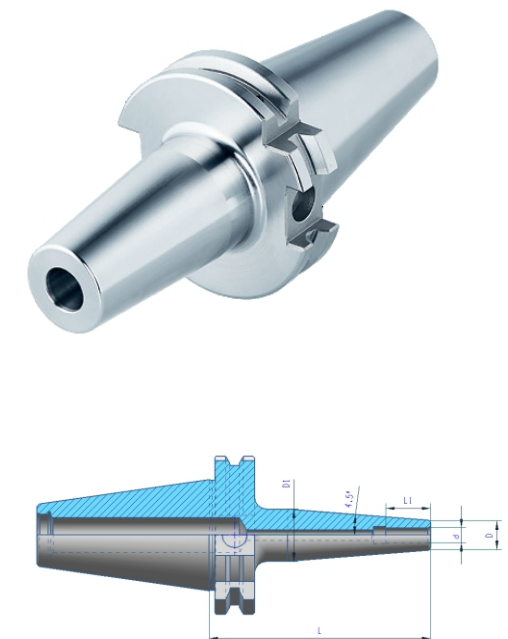


SK-SF热缩刀柄，标准型

SK-SF SHRINK FIT CHUCK 4.5°



订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990448.4006200	SK40-SF06-200	6	21	32	200	26	1.52
990448.4008200	SK40-SF08-200	8	21	32	200	26	1.53
990448.4010200	SK40-SF10-200	10	24	34	200	32	1.8
990448.4012200	SK40-SF12-200	12	24	34	200	37	1.71
990448.4014200	SK40-SF14-200	14	27	42	200	37	1.86
990448.4016200	SK40-SF16-200	16	27	42	200	40	1.84
990448.4018200	SK40-SF18-200	18	33	50	200	40	2.42
990448.4020200	SK40-SF20-200	20	33	50	200	42	2.38
990448.4025200	SK40-SF25-200	25	44	50	200	48	3.38
990448.4032200	SK40-SF32-200	32	44	50	200	52	3.2
990448.500680	SK50-SF06-80	6	21	27	80	26	2.84
990448.500880	SK50-SF08-80	8	21	27	80	26	2.83
990448.501080	SK50-SF10-80	10	24	32	80	32	2.89
990448.501280	SK50-SF12-80	12	24	32	80	37	2.86
990448.501480	SK50-SF14-80	14	27	34	80	37	2.91
990448.501680	SK50-SF16-80	16	27	34	80	40	2.89
990448.501880	SK50-SF18-80	18	33	42	80	40	3.03
990448.502080	SK50-SF20-80	20	33	42	80	42	3
990448.5025100	SK50-SF25-100	25	44	53	100	48	3.59
990448.5032100	SK50-SF32-100	32	44	53	100	52	3.43
990448.5006120	SK50-SF06-120	6	21	27	120	26	3
990448.5008120	SK50-SF08-120	8	21	27	120	26	2.99
990448.5010120	SK50-SF10-120	10	24	32	120	32	3.13
990448.5012120	SK50-SF12-120	12	24	32	120	37	3.07
990448.5014120	SK50-SF14-120	14	27	34	120	37	3.15
990448.5016120	SK50-SF16-120	16	27	34	120	40	3.13
990448.5018120	SK50-SF18-120	18	33	42	120	40	3.43
990448.5020120	SK50-SF20-120	20	33	42	120	42	3.4
990448.5025120	SK50-SF25-120	25	44	53	120	48	3.92
990448.5032120	SK50-SF32-120	32	44	53	120	52	3.76
990448.5006160	SK50-SF06-160	6	21	32	160	26	3.16
990448.5008160	SK50-SF08-160	8	21	32	160	26	3.16
990448.5010160	SK50-SF10-160	10	24	34	160	32	3.36
990448.5012160	SK50-SF12-160	12	24	34	160	37	3.29
990448.5014160	SK50-SF14-160	14	27	42	160	37	3.4
990448.5016160	SK50-SF16-160	16	27	42	160	40	3.38
990448.5018160	SK50-SF18-160	18	33	50	160	40	3.83
990448.5020160	SK50-SF20-160	20	33	50	160	42	3.8
990448.5025160	SK50-SF25-160	25	44	60	160	48	4.58
990448.5032160	SK50-SF32-160	32	44	60	160	52	4.41
990448.5006200	SK50-SF06-200	6	21	32	200	26	3.33



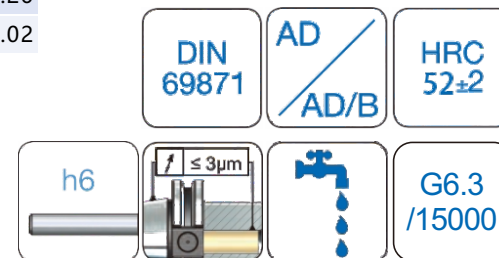
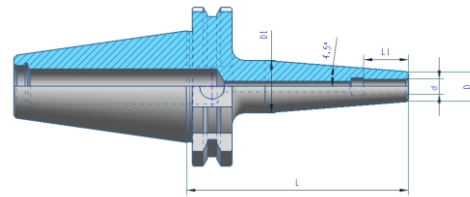
产品配件



SK-SF热缩刀柄，标准型

SK-SF SHRINK FIT CHUCK 4.5°

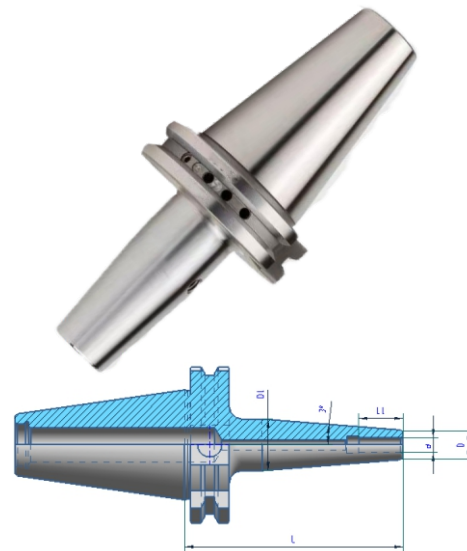
订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990448.5008200	SK50-SF08-200	8	21	32	200	26	3.32
990448.5010200	SK50-SF10-200	10	24	34	200	32	3.59
990448.5012200	SK50-SF12-200	12	24	34	200	37	3.51
990448.5014200	SK50-SF14-200	14	27	42	200	37	3.64
990448.5016200	SK50-SF16-200	16	27	42	200	40	3.63
990448.5018200	SK50-SF18-200	18	33	50	200	40	4.24
990448.5020200	SK50-SF20-200	20	33	50	200	42	4.22
990448.5025200	SK50-SF25-200	25	44	60	200	48	5.26
990448.5032200	SK50-SF32-200	32	44	60	200	52	5.02



SK-SF热缩刀柄 3°

SK-SF SHRINK FIT CHUCK 3°

订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990447.300380	SK30-SFS03-80	3	9	13	80	12	0.64
990447.300480	SK30-SFS04-80	4	10	14	80	16	0.64
990447.300680	SK30-SFS06-80	6	12	18	80	26	0.68
990447.300880	SK30-SFS08-80	8	14	20	80	28	0.7
990447.301080	SK30-SFS10-80	10	16	22	80	32	0.71
990447.301280	SK30-SFS12-80	12	18	24	80	37	0.71
990447.301680	SK30-SFS16-80	16	22	28	80	40	0.78
990447.400390	SK40-SFS03-90	3	9	13	90	12	0.86
990447.400490	SK40-SFS04-90	4	10	14	90	16	0.88
990447.400690	SK40-SFS06-90	6	12	18	90	26	0.89
990447.400890	SK40-SFS08-90	8	14	20	90	28	0.91
990447.401090	SK40-SFS10-90	10	16	22	90	32	0.92
990447.401290	SK40-SFS12-90	12	18	24	90	37	0.92
990447.401690	SK40-SFS16-90	16	22	28	90	40	0.8
990447.4003120	SK40-SFS03-120	3	9	13	120	12	0.91
990447.4004120	SK40-SFS04-120	4	10	14	120	16	0.92
990447.4006120	SK40-SFS06-120	6	12	18	120	26	0.97
990447.4008120	SK40-SFS08-120	8	14	20	120	28	1
990447.4010120	SK40-SFS10-120	10	16	22	120	32	1.04
990447.4012120	SK40-SFS12-120	12	18	24	120	37	1.05
990447.4016120	SK40-SFS16-120	16	22	28	120	40	1.25



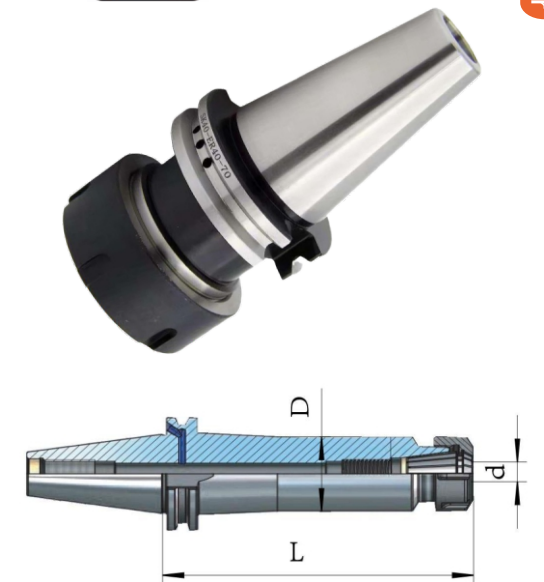
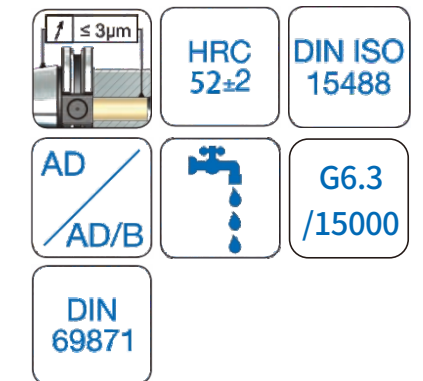
产品配件



SK-ER弹性筒夹刀柄

SK-ER COLLET CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990445.301670	SK30-ER16-70	1-10mm	28	70	0.65
990445.302070	SK30-ER20-70	1-13mm	34	70	0.75
990445.302570	SK30-ER25-70	1-16mm	42	70	0.8
990445.303270	SK30-ER32-70	1-20mm	50	70	0.85
990445.304070	SK30-ER40-70	3-26mm	63	70	1
990445.3016100	SK30-ER16-100	1-10mm	28	100	0.7
990445.3020100	SK30-ER20-100	1-13mm	34	100	0.75
990445.3025100	SK30-ER25-100	1-16mm	42	100	0.9
990445.3032100	SK30-ER32-100	1-20mm	50	100	1.3
990445.401670	SK40-ER16-70	1-10mm	28	70	1.4
990445.402070	SK40-ER20-70	1-13mm	34	70	1.6
990445.402570	SK40-ER25-70	1-16mm	42	70	1.6
990445.403270	SK40-ER32-70	1-20mm	50	70	2
990445.404080	SK40-ER40-80	3-26mm	63	80	1.4
990445.4016100	SK40-ER16-100	1-10mm	28	100	1.5
990445.4020100	SK40-ER20-100	1-13mm	34	100	1.85
990445.4025100	SK40-ER25-100	1-16mm	42	100	2
990445.4032100	SK40-ER32-100	1-20mm	50	100	2
990445.4040100	SK40-ER40-100	3-16mm	63	100	1.7
990445.4016160	SK40-ER16-160	1-10mm	28	160	1.65
990445.4020160	SK40-ER20-160	1-13mm	34	160	2.2
990445.4025160	SK40-ER25-160	1-16mm	42	160	2.25
990445.4032160	SK40-ER32-160	1-20mm	50	160	2.65
990445.4040160	SK40-ER40-160	3-26mm	63	160	2.85
990445.40501670	SK50-ER16-70	1-10mm	28	70	3.1
990445.40502070	SK50-ER20-70	1-13mm	34	70	3.2
990445.40502570	SK50-ER25-70	1-16mm	42	70	3.4
990445.40503270	SK50-ER32-70	1-20mm	50	70	3.6
990445.40504070	SK50-ER40-70	3-26mm	63	70	3.55
990445.405016100	SK50-ER16-100	1-10mm	28	100	3.2
990445.405020100	SK50-ER20-100	1-13mm	34	100	3.4
990445.405025100	SK50-ER25-100	1-16mm	42	100	4.15
990445.405032100	SK50-ER32-100	1-20mm	50	100	4.6
990445.405040100	SK50-ER40-100	3-26mm	63	100	4.2
990445.405016150	SK50-ER16-150	1-10mm	28	150	4.5
990445.405020150	SK50-ER20-150	1-13mm	34	150	3.8
990445.405025150	SK50-ER25-150	1-16mm	42	150	4.5
990445.405032150	SK50-ER32-150	1-20mm	50	150	4.75
990445.405040150	SK50-ER40-150	3-26mm	63	150	5.2

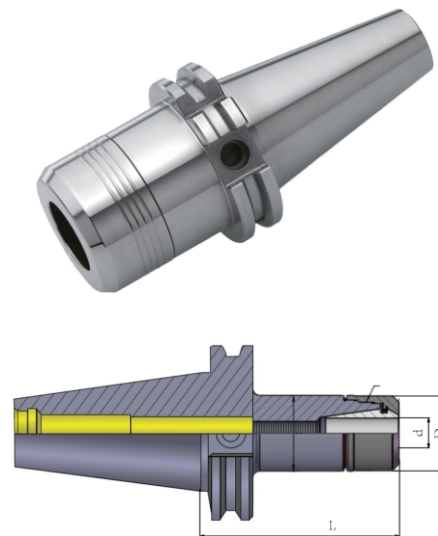
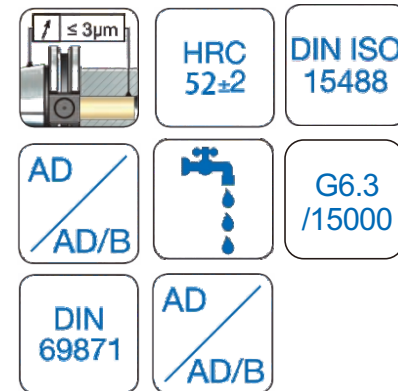


产品配件



SK-GER高速筒夹刀柄 SK-GER HIGH SPEED COLLET CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990444.301670	SK30-GER16-70	1-10mm	28	70	0.65
990444.302070	SK30-GER20-70	1-13mm	34	70	0.75
990444.302570	SK30-GER25-70	1-16mm	42	70	0.8
990444.303270	SK30-GER32-70	1-20mm	50	70	0.85
990444.304070	SK30-GER40-70	3-26mm	63	70	1
990444.3016100	SK30-GER16-100	1-10mm	28	100	0.7
990444.3020100	SK30-GER20-100	1-13mm	34	100	0.75
990444.3025100	SK30-GER25-100	1-16mm	42	100	0.9
990444.3032100	SK30-GER32-100	1-20mm	50	100	1.3
990444.401670	SK40-GER16-70	1-10mm	28	70	1.4
990444.402070	SK40-GER20-70	1-13mm	34	70	1.6
990444.402570	SK40-GER25-70	1-16mm	42	70	1.6
990444.403270	SK40-GER32-70	1-20mm	50	70	2
990444.404080	SK40-GER40-80	3-26mm	63	80	1.4
990444.4016100	SK40-GER16-100	1-10mm	28	100	1.5
990444.4020100	SK40-GER20-100	1-13mm	34	100	1.85
990444.4025100	SK40-GER25-100	1-16mm	42	100	2
990444.4032100	SK40-GER32-100	1-20mm	50	100	2
990444.4040100	SK40-GER40-100	3-26mm	63	100	1.7
990444.4016160	SK40-GER16-160	1-10mm	28	160	1.65
990444.4020160	SK40-GER20-160	1-13mm	34	160	2.2
990444.4025160	SK40-GER25-160	1-16mm	42	160	2.25
990444.4032160	SK40-GER32-160	1-20mm	50	160	2.25
990444.4040160	SK40-GER40-160	3-26mm	63	160	2.65
990444.40501670	SK50-GER16-70	1-10mm	28	160	2.85
990444.40502070	SK50-GER20-70	1-13mm	34	70	3.1
990444.40502570	SK50-GER25-70	1-16mm	42	70	3.2
990444.40503270	SK50-GER32-70	1-20mm	50	70	3.4
990444.40504070	SK50-GER40-70	3-26mm	63	70	3.6
990444.405016100	SK50-GER16-100	1-10mm	28	70	3.55
990444.405020100	SK50-GER20-100	1-13mm	34	100	3.2
990444.405025100	SK50-GER25-100	1-16mm	42	100	3.4
990444.405032100	SK50-GER32-100	1-20mm	50	100	4.15
990444.405040100	SK50-GER40-100	3-26mm	63	100	4.6
990444.405016150	SK50-GER16-150	1-10mm	28	100	4.2
990444.405020150	SK50-GER20-150	1-13mm	34	150	4.5
990444.405025150	SK50-GER25-150	1-16mm	42	150	3.8
990444.405032150	SK50-GER32-150	1-20mm	50	150	4.5
990444.405040150	SK50-GER40-150	3-26mm	63	150	4.75

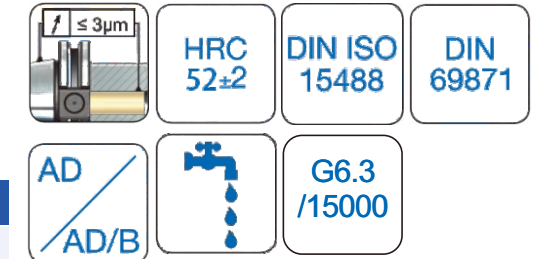


产品配件

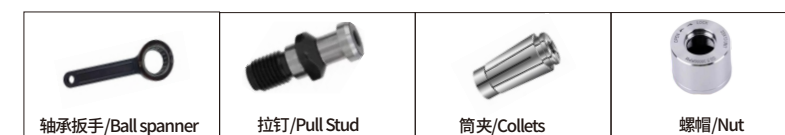


SK-SK高速筒夹刀柄 SK-SK HIGH SPEED COLLET CHUCK

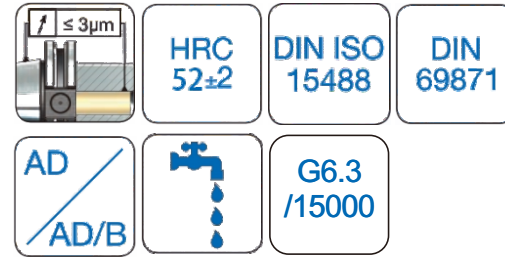
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990443.301045	SK30-SK10-45	1-10mm	27	45	0.8
990443.301060	SK30-SK10-60	1-10mm	27	60	0.9
990443.301090	SK30-SK10-90	1-10mm	27	90	1
990443.301660	SK30-SK16-60	3-16mm	40	60	1.1
990443.301690	SK30-SK16-90	3-16mm	40	90	1.2
990443.302060	SK30-SK20-60	3-20mm	48	60	0.7
990443.302090	SK30-SK20-90	3-20mm	48	90	1.2
990443.401060	SK40-SK10-60	1-10mm	27	60	1.1
990443.401090	SK40-SK10-90	1-10mm	27	90	1.2
990443.4010120	SK40-SK10-120	1-10mm	27	120	1.4
990443.401660	SK40-SK16-60	3-16mm	40	60	1.3
990443.401690	SK40-SK16-90	3-16mm	40	90	1.5
990443.4016120	SK40-SK16-120	3-16mm	40	120	1.7
990443.5010100	SK50-SK10-100	1-10mm	27	100	4.2
990443.5010150	SK50-SK10-150	1-10mm	27	150	4.6
990443.5010200	SK50-SK10-200	1-10mm	27	200	4.8
990443.5016100	SK50-SK16-100	3-16mm	40	100	4.7
990443.5016150	SK50-SK16-150	3-16mm	40	150	5.1
990443.5016200	SK50-SK16-200	3-16mm	40	200	5.5
990443.5020100	SK50-SK20-100	3-20mm	48	100	4.3
990443.5020150	SK50-SK20-150	3-20mm	48	150	5
990443.5020200	SK50-SK20-200	3-20mm	48	200	5.4
990443.5025100	SK50-SK25-100	4-25mm	55	100	5.2
990443.5025150	SK50-SK25-150	4-25mm	55	150	5.6
990443.5025200	SK50-SK25-200	4-25mm	55	200	6



产品配件



SK-SDC 后拉式刀柄 SK-SDC COLLET CHUCK



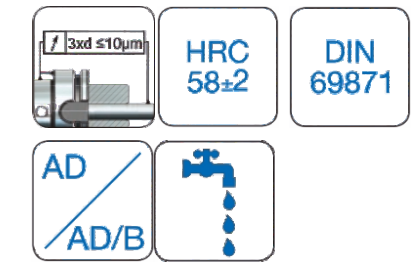
订单号/Order No.	型号/Model	d	D	L	KG
990442.300660	SK30-SDC06-60	1-6mm	14	60	0.5
990442.300690	SK30-SDC06-90	1-6mm	14	90	0.6
990442.3006120	SK30-SDC06-120	1-6mm	14	120	0.8
990442.300860	SK30-SDC08-60	1-10mm	22	60	0.5
990442.300890	SK30-SDC08-90	1-10mm	22	90	0.6
990442.3008120	SK30-SDC08-120	1-10mm	22	120	0.8
990442.301290	SK30-SDC12-90	1-12mm	34	90	0.6
990442.3012120	SK30-SDC12-120	1-12mm	34	120	0.7
990442.400660	SK40-SDC06-60	1-6mm	14	60	1
990442.400690	SK40-SDC06-90	1-6mm	14	90	1.1
990442.4006120	SK40-SDC06-120	1-6mm	14	120	1.3
990442.4006150	SK40-SDC6-150	1-6mm	14	150	1.5
990442.400890	SK40-SDC08-90	1-10mm	22	90	1.2
990442.4008120	SK40-SDC08-120	1-10mm	22	120	1.4
990442.4008150	SK40-SDC08-150	1-10mm	22	150	1.6
990442.401290	SK40-SDC12-90	1-12mm	34	90	1.2
990442.4012120	SK40-SDC12-120	1-12mm	34	120	1.5
990442.4012150	SK40-SDC12-150	1-12mm	34	150	1.8
990442.5006100	SK50-SDC06-100	1-6mm	14	100	4
990442.5006120	SK50-SDC06-120	1-6mm	14	120	4.2
990442.5006150	SK50-SDC06-150	1-6mm	14	150	4.5
990442.5008100	SK50-SDC08-100	1-10mm	22	100	4.1
990442.5008120	SK50-SDC08-120	1-10mm	22	120	4.3
990442.5008150	SK50-SDC08-150	1-10mm	22	150	4.6
990442.5012100	SK50-SDC12-100	1-12mm	34	100	4.5
990442.5012120	SK50-SDC12-120	1-12mm	34	120	4.7
990442.5012150	SK50-SDC12-150	1-12mm	34	150	4.95



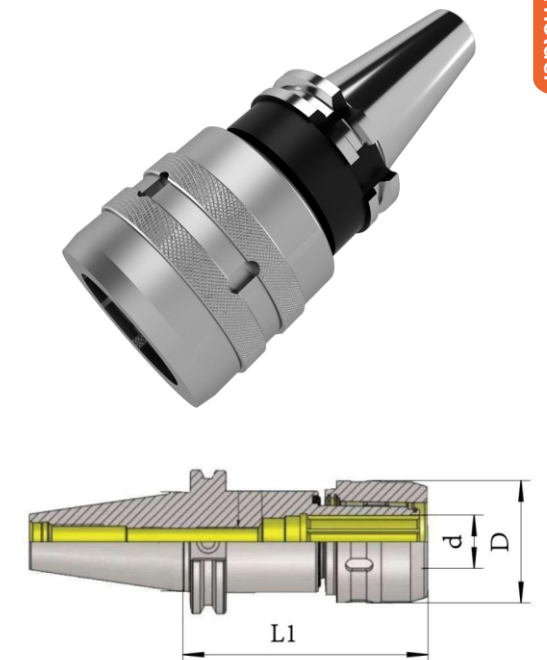
产品配件



SK-MC强力铣刀柄 SK-MC POWER MILLING CHUCK



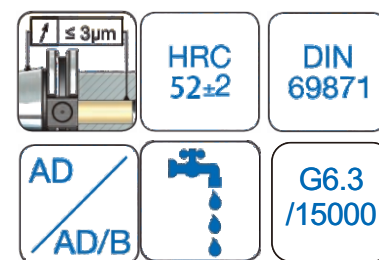
订单号/Order No.	型号/Model	d	D	L1	KG
990446.302080	SK30-MC20-80	20	62	80	1.3
990446.4016105	SK40-MC16-105	16	50	105	2
990446.402090	SK40-MC20-90	20	62	90	1.53
990446.4020105	SK40-MC20-105	20	62	105	1.63
990446.4020135	SK40-MC20-135	20	62	135	2.01
990446.402290	SK40-MC22-90	22	62	90	1.53
990446.4022105	SK40-MC22-105	22	62	105	1.63
990446.4022135	SK40-MC22-135	22	62	135	2.01
990446.402590	SK40-MC25-90	25	62	90	2.6
990446.4025105	SK40-MC25-105	25	62	105	2.11
990446.4025135	SK40-MC25-135	25	62	135	2.21
990446.4032105	SK40-MC32-105	32	68	105	2.25
990446.4032135	SK40-MC32-135	32	68	135	2.81
990446.4032165	SK40-MC32-165	32	68	165	3.5
990446.4032200	SK40-MC32-200	32	68	200	4.41
990446.4042120	SK40-MC42-120	42	88	120	5
990446.5020110	SK50-MC20-110	20	62	110	3.55
990446.5020150	SK50-MC20-150	20	62	150	4.19
990446.502290	SK50-MC22-90	22	62	90	3.55
990446.5032110	SK50-MC32-110	32	74	110	3.95
990446.5032135	SK50-MC32-135	32	74	135	4.8
990446.5032150	SK50-MC32-150	32	74	150	5.75
990446.5032200	SK50-MC32-200	32	74	200	6.36
990446.5042110	SK50-MC42-110	42	88	110	6.55
990446.5042120	SK50-MC42-120	42	88	120	6.65
990446.5042135	SK50-MC42-135	42	88	135	6.75
990446.5042165	SK50-MC42-165	42	88	165	7.15



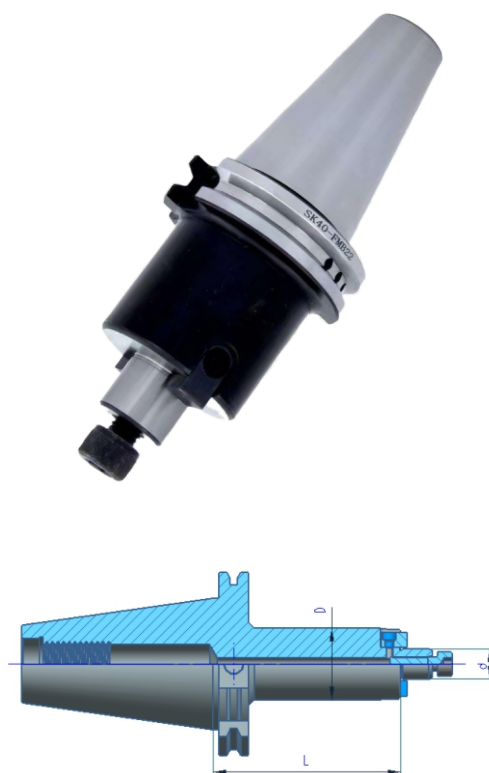
产品配件



SK-FMB平面铣刀柄 SK-FMB FACE MILLING HOLDER



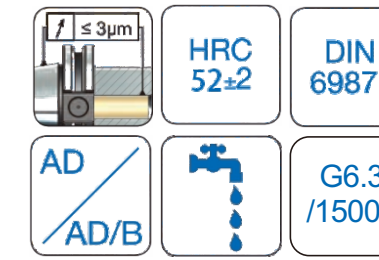
订单号/Order No.	型号/Model	d	D	L	KG
990441.301640	SK30-FMB16-40	16	38	40	0.6
990441.302235	SK30-FMB22-35	22	48	35	0.71
990441.302750	SK30-FMB27-50	27	58	50	1
990441.303250	SK30-FMB32-50	32	70	50	1.35
990441.401660	SK40-FMB16-60	16	38	60	1.29
990441.402260	SK40-FMB22-60	22	48	60	1.4
990441.402760	SK40-FMB27-60	27	58	60	1.8
990441.403260	SK40-FMB32-60	32	70	60	2.8
990441.404055	SK40-FMB40-55	40	88	55	2.06
990441.4016100	SK40-FMB16-100	16	38	100	1.59
990441.4022100	SK40-FMB22-100	22	48	100	2.05
990441.4027100	SK40-FMB27-100	27	58	100	2.64
990441.4032100	SK40-FMB32-100	32	70	100	2.84
990441.4040100	SK40-FMB40-100	40	88	100	3.14
990441.4016160	SK40-FMB16-160	16	38	160	2.16
990441.4027160	SK40-FMB22-160	22	48	160	2.89
990441.4027160	SK40-FMB27-160	27	58	160	3.96
990441.4032160	SK40-FMB32-160	32	70	160	3.75
990441.4040160	SK40-FMB40-160	40	88	160	4.25
990441.501660	SK50-FMB16-60	16	38	60	2.84
990441.502260	SK50-FMB22-60	22	48	60	3.58
990441.502760	SK50-FMB27-60	27	58	60	4.18
990441.503260	SK50-FMB32-60	32	70	60	4.02
990441.504060	SK50-FMB40-60	40	88	60	4.28
990441.5016100	SK50-FMB16-100	16	38	100	3.41
990441.5022100	SK50-FMB22-100	22	48	100	3.88
990441.5027100	SK50-FMB27-100	27	58	100	4.58
990441.5032100	SK50-FMB32-100	32	70	100	5.88
990441.5040100	SK50-FMB40-100	40	88	100	6.65
990441.5016150	SK50-FMB16-150	16	38	150	4.09
990441.5022150	SK50-FMB22-150	22	48	150	4.91
990441.5027150	SK50-FMB27-150	27	58	150	6.12
990441.5032150	SK50-FMB32-150	32	70	150	8.12
990441.5040150	SK50-FMB40-150	40	88	150	9.5



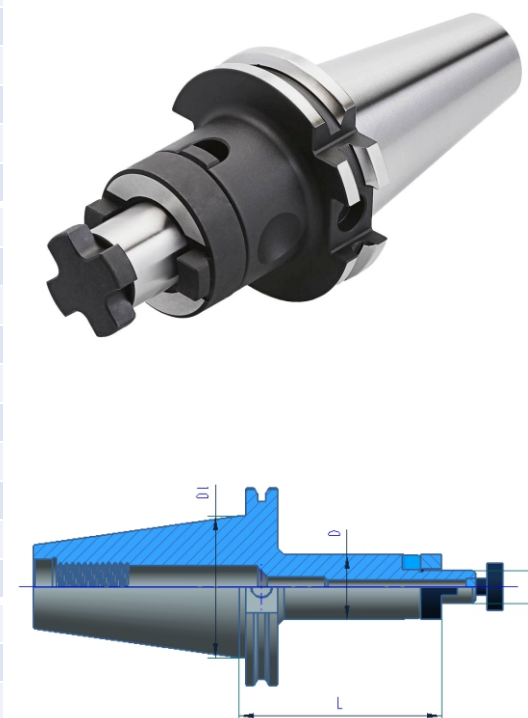
产品配件



SK-SEMC混插式面铣刀柄 SK-SEMC COMBI SHELL END MILL HOLDER



订单号/Order No.	型号/Model	d	D	L	KG
990438.301650	SK30-SEMC16-50	16	32	50	0.6
990438.302250	SK30-SEMC22-50	22	40	50	0.74
990438.302755	SK30-SEMC27-55	27	48	55	0.94
990438.303260	SK30-SEMC32-60	32	58	60	1.22
990438.401655	SK40-SEMC16-55	16	32	55	1.06
990438.402255	SK40-SEMC22-55	22	40	55	1.2
990438.402755	SK40-SEMC27-55	27	48	55	1.4
990438.403260	SK40-SEMC32-60	32	58	60	1.71
990438.404060	SK40-SEMC40-60	40	70	60	2.11
990438.4016100	SK40-SEMC16-100	16	32	100	1.32
990438.4022100	SK40-SEMC22-100	22	40	100	1.6
990438.4027100	SK40-SEMC27-100	27	48	100	2
990438.4032100	SK40-SEMC32-100	32	58	100	2.51
990438.4040100	SK40-SEMC40-100	40	70	100	3.0
990438.4016160	SK40-SEMC16-160	16	32	160	1.78
990438.4022160	SK40-SEMC22-160	22	40	160	2.28
990438.4027160	SK40-SEMC27-160	27	48	160	2.79
990438.4032160	SK40-SEMC32-160	32	58	160	3.67
990438.4040160	SK40-SEMC40-160	40	70	160	4.47
990438.501655	SK50-SEMC16-55	16	32	55	2.88
990438.502255	SK50-SEMC22-55	22	40	55	3.02
990438.502755	SK50-SEMC27-55	27	48	55	3.22
990438.503255	SK50-SEMC32-55	32	58	55	3.53
990438.504055	SK50-SEMC40-55	40	70	55	4.01
990438.5016100	SK50-SEMC16-100	16	32	100	3.14
990438.5022100	SK50-SEMC22-100	22	40	100	3.42
990438.5027100	SK50-SEMC27-100	27	48	100	3.82
990438.5032100	SK50-SEMC32-100	32	58	100	4.42
990438.5040100	SK50-SEMC40-100	40	70	100	5.33
990438.5016160	SK50-SEMC16-160	16	32	160	3.62
990438.5022160	SK50-SEMC22-160	22	40	160	4.11
990438.5027160	SK50-SEMC27-160	27	48	160	4.81
990438.5032160	SK50-SEMC32-160	32	58	160	7.3
990438.5040160	SK50-SEMC40-160	40	70	160	7.7

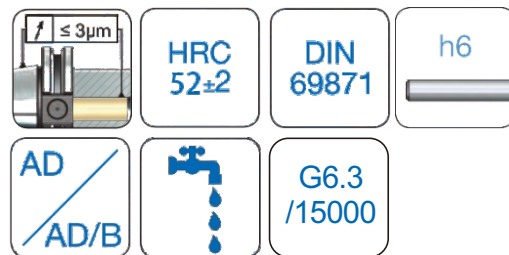


产品配件



SK-SLA 侧固刀柄 SK-SLA SIDE LOCK END MILL HOLDER

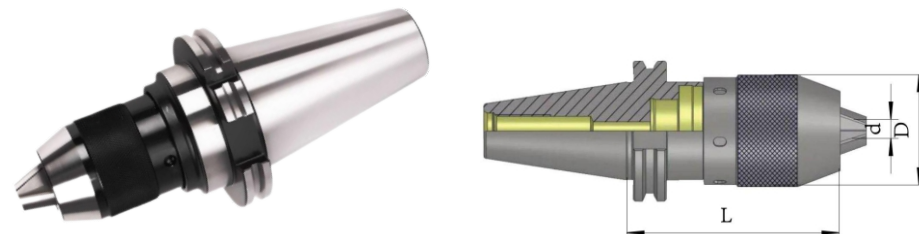
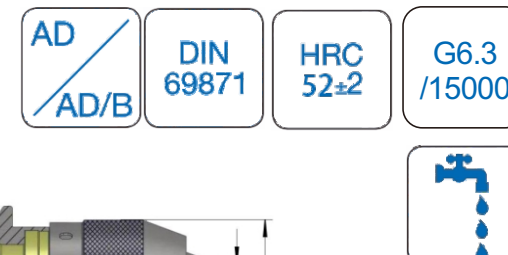
订单号/Order No.	型号/Model	d	D	L	KG
990436.300650	SK30-SLA6-50	6	25	50	0.46
990436.300850	SK30-SLA8-50	8	28	50	0.49
990436.301050	SK30-SLA10-50	10	35	50	0.55
990436.301250	SK30-SLA12-50	12	42	50	0.62
990436.301463	SK30-SLA14-63	14	44	63	0.78
990436.301663	SK30-SLA16-63	16	48	63	0.82
990436.301863	SK30-SLA18-63	18	50	63	0.83
990436.302070	SK30-SLA20-70	20	52	70	0.91
990436.400650	SK40-SLA6-50	6	25	50	0.91
990436.400850	SK40-SLA8-50	8	28	50	0.93
990436.401050	SK40-SLA10-50	10	35	50	0.98
990436.401250	SK40-SLA12-50	12	42	50	1.05
990436.401450	SK40-SLA14-50	14	44	50	1.07
990436.401663	SK40-SLA16-63	16	48	63	1.28
990436.401863	SK40-SLA18-63	18	50	63	1.31
990436.402063	SK40-SLA20-63	20	52	63	1.31
990436.4006100	SK40-SLA6-100	6	25	100	1.07
990436.4008100	SK40-SLA8-100	8	28	100	1.15
990436.4010100	SK40-SLA10-100	10	35	100	1.31
990436.4012100	SK40-SLA12-100	12	42	100	1.55
990436.4014100	SK40-SLA14-100	14	44	100	1.62
990436.4016100	SK40-SLA16-100	16	48	100	1.77
990436.4018100	SK40-SLA18-100	18	50	100	1.84
990436.4020100	SK40-SLA20-100	20	52	100	1.88
990436.4025100	SK40-SLA25-100	25	63	100	2.25
990436.4032100	SK40-SLA32-100	32	72	100	2.55
990436.4040120	SK40-SLA40-120	40	80	120	3.42
990436.500663	SK50-SLA6-63	6	25	63	2.77
990436.500863	SK50-SLA8-63	8	28	63	2.81
990436.501063	SK50-SLA10-63	10	35	63	2.88
990436.501263	SK50-SLA12-63	12	42	63	3
990436.501663	SK50-SLA16-63	16	48	63	3.1
990436.501863	SK50-SLA18-63	18	50	63	3.13
990436.502063	SK50-SLA20-63	20	52	63	3.14
990436.502580	SK50-SLA25-80	25	63	80	3.74
990436.5032100	SK50-SLA32-100	32	72	100	4.63
990436.5040100	SK50-SLA40-100	40	80	100	4.84
990436.5050125	SK50-SLA50-125	50	100	125	5.97



产品配件



SK-APU一体式钻夹头刀柄 SK-APU DRILL CHUCK

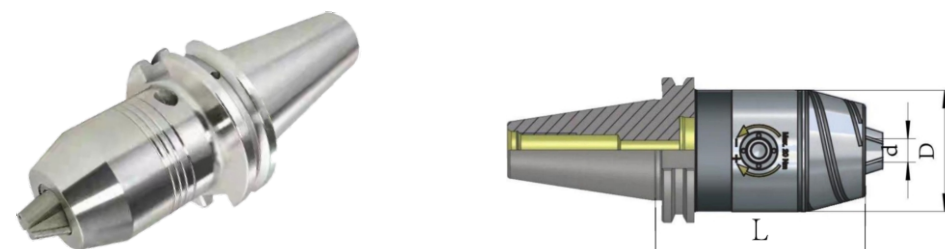
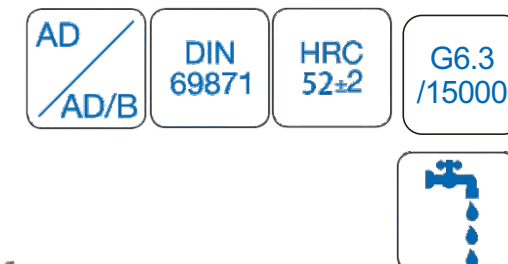


订单号/Order No.	型号/Model	d	D	L	KG
990434.3008085	SK30-APU08-85	1-8mm	38	85	1.06
990434.3013110	SK30-APU13-110	1-13mm	48	110	1.51
990434.3016110	SK30-APU16-110	1-16mm	53	110	1.81
990434.400885	SK40-APU08-85	1-8mm	38	85	1.13
990434.4013110	SK40-APU13-110	1-13mm	48	110	1.65
990434.4016110	SK40-APU16-110	1-16mm	53	110	1.88
990434.500885	SK50-APU08-85	1-8mm	38	85	3.57
990434.5013110	SK50-APU13-110	1-13mm	48	110	3.87
990434.5016110	SK50-APU16-110	1-16mm	53	110	4.11

产品配件



SK-CPU一体式钻夹头刀柄 SK-CPU DRILL CHUCK

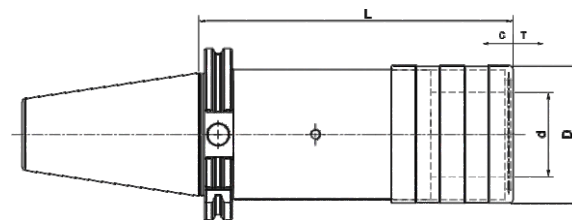


产品配件



订单号/Order No.	型号/Model	d	D	L	KG
990435.301371	SK30-CPU13-71	1-13mm	45	71	1.5
990435.401381	SK40-CPU13-81	1-13mm	45	81	1.55
990435.401687	SK40-CPU16-87	1-16mm	50	87	1.65
990435.501391	SK50-CPU13-91	1-13mm	45	91	2.6
990435.501697	SK50-CPU16-97	1-16mm	50	97	3.7

SK-TC 同步丝锥刀柄 SK-TC SYNCHRO TAPPING CHUCK



产品配件



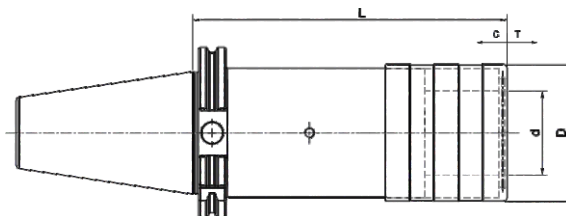
筒夹/Collets



拉钉/Pull Stud

订单号/Order No.	型号/Model	d	D	L	KG
990430.3031275	SK30-TC312-75L	19	36	75	0.64
990430.30820110	SK30-TC820-110L	31	54	110	1.1
990430.4031275	SK40-TC312-75L	19	36	75	1.24
990430.40820110	SK40-TC820-110L	31	54	110	1.28
990430.401433110	SK40-TC1433-110L	48	78	110	3.26
990430.50312-72	SK50-TC312-72L	19	36	72	4.08
990430.50820-110	SK50-TC820-110L	31	54	110	4.5
990430.504133140	SK50-TC1433-140L	48	78	140	6.06

SK-GT同步丝锥刀柄 SK-GT SYNCHRO TAPPING CHUCK



产品配件



筒夹/Collets



拉钉/Pull Stud



扳手/spanner

订单号/Order No.	型号/Model	d	D	L	KG
990431.301278	SK30-GT12-78	M3-M16	46	78	
990431.3024140	SK30-GT24-140	M5-M30	66	140	
990431.401282	SK40-GT12-82	M3-M16	46	82	
990431.4024140	SK40-GT24-140	M5-M30	66	140	
990431.5012125	SK50-GT12-125	M3-M16	46	125	
990431.5024150	SK50-GT24-150	M5-M30	66	150	
990431.5042155	SK50-GT42-155	M24-M42	78	155	

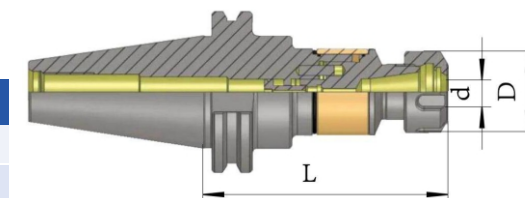
SK-TER 刚性攻丝刀柄 SK-TER RIGID TAPPING CHUCK



订单号/Order No.	型号/Model	d	D	L	KG
990433.3016100	SK30-TER16-100	M3-M10	28	100	
990433.3020100	SK30-TER20-100	M3-M12	34	100	
990433.3025100	SK30-TER25-100	M3-M16	42	100	
990433.3032100	SK30-TER32-100	M6-M20	50	100	
990433.4016100	SK40-TER16-100	M3-M10	28	100	
990433.4020100	SK40-TER20-100	M3-M12	34	100	
990433.4025100	SK40-TER25-100	M3-M16	42	100	
990433.4032100	SK40-TER32-100	M6-M20	50	100	
990433.5016120	SK50-TER16-120	M3-M10	28	120	
990433.5020120	SK50-TER20-120	M3-M12	34	120	
990433.5025120	SK50-TER25-120	M3-M16	42	120	
990433.5032120	SK50-TER32-120	M6-M20	50	120	

SK-VER 刚性攻丝刀柄 SK-VER RIGID TAPPING CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990432.3016100	SK30-VER16-100	M3-M10	28	100	
990432.3020100	SK30-VER20-100	M3-M12	34	100	
990432.3025100	SK30-VER25-100	M3-M16	42	100	
990432.3032100	SK30-VER32-100	M6-M20	60	100	
990432.4016100	SK40-VER16-100	M3-M10	28	100	
990432.4020100	SK40-VER20-100	M3-M12	34	100	
990432.4025100	SK40-VER25-100	M3-M16	42	100	
990432.4032100	SK40-VER32-100	M6-M20	50	100	
990432.5016120	SK50-VER16-120	M3-M10	28	100	
990432.5020120	SK50-VER20-120	M3-M12	34	100	
990432.5025120	SK50-VER25-120	M3-M16	42	100	
990432.5032120	SK50-VER32-120	M6-M20	50	100	

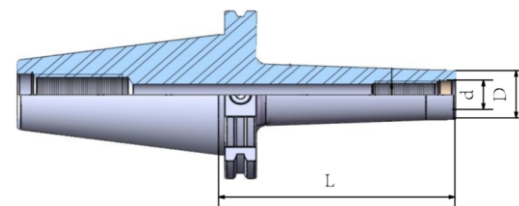
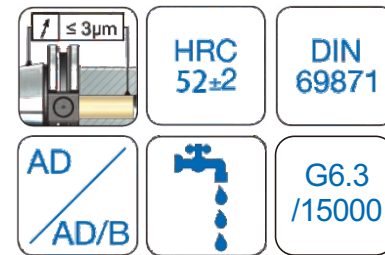


产品配件



SK-BOM锥柄锁牙刀柄 SK-BOM SCREWED HOLDER

订单号/Order No.	型号/Model	d	D	L	KG
990429.400844	SK40-BOM08-44	8.5	13	44	0.81
990429.400869	SK40-BOM08-69	8.5	13	69	0.87
990429.400896	SK40-BOM08-94	8.5	13	94	0.92
990429.4008119	SK40-BOM08-119	8.5	13	119	0.99
990429.401044	SK40-BOM10-44	10.5	18	44	0.83
990429.401069	SK40-BOM10-69	10.5	18	69	0.9
990429.401094	SK40-BOM10-94	10.5	18	94	1
990429.4010119	SK40-BOM10-119	10.5	18	119	1.14
990429.4010169	SK40-BOM10-169	10.5	18	169	1.44
990429.401244	SK40-BOM12-44	12.5	21	44	0.84
990429.101269	SK40-BOM12-69	12.5	21	69	0.91
990429.401294	SK40-BOM12-94	12.5	21	94	1.06
990429.4012119	SK40-BOM12-119	12.5	21	119	1.19
990429.4012169	SK40-BOM12-169	12.5	21	169	1.61
990429.401644	SK40-BOM16-44	17	29	44	0.87
990429.401669	SK40-BOM16-69	17	29	69	1.03
990429.401694	SK40-BOM16-94	17	29	94	1.18
990429.4016119	SK40-BOM16-119	17	29	119	1.36
990429.4016169	SK40-BOM16-169	17	29	169	1.88
990429.500869	SK50-BOM08-69	8.5	13	69	2.67
990429.5008119	SK50-BOM08-119	8.5	13	119	2.78
990429.5008169	SK50-BOM08-169	8.5	13	169	2.99
990429.501069	SK50-BOM10-69	10.5	18	69	2.7
990429.5010119	SK50-BOM10-119	10.5	118	119	2.93
990429.5010169	SK50-BOM10-169	10.5	18	169	3.23
990429.501269	SK50-BOM12-69	12.5	21	69	2.71
990429.5012119	SK50-BOM12-119	12.5	21	119	2.99
990429.5012169	SK50-BOM12-169	12.5	21	169	3.39
990429.501669	SK50-BOM16-69	17	29	69	2.83
990429.5016119	SK50-BOM16-119	17	29	119	3.16
990429.5016169	SK50-BOM16-169	17	29	169	3.68

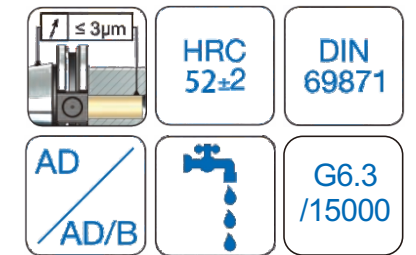


产品配件

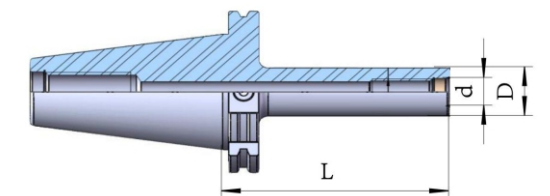


SK-M直柄锁牙刀柄 SK-M SCREWED HOLDER

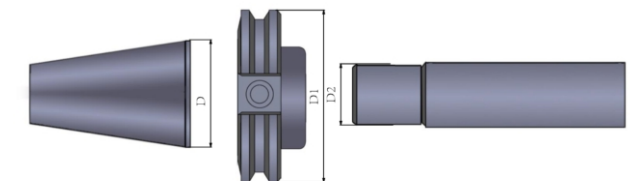
订单号/Order No.	型号/Model	d	D	L	KG
990428.4010119	SK40-M10-119	10.5	18	119	0.97
990428.4010169	SK40-M10-169	10.5	18	169	1.05
990428.4012119	SK40-M12-119	12.5	21	119	1.03
990428.4012144	SK40-M12-144	12.5	21	144	1.09
990428.4012169	SK40-M12-169	12.5	21	169	1.15
990428.4016119	SK40-M16-119	17	29	119	1.24
990428.4016144	SK40-M16-144	17	29	144	1.36
990428.4016169	SK40-M16-169	17	29	169	1.48
990428.5010119	SK50-M10-119	10.5	18	119	2.77
990428.5010169	SK50-M10-169	10.5	18	169	2.86
990428.5012119	SK50-M12-119	12.5	21	119	2.83
990428.5012169	SK50-M12-169	12.5	21	169	2.96
990428.5016119	SK50-M16-119	17	29	119	3.06
990428.5016169	SK50-M16-169	17	29	169	3.33



产品配件



SK-ATC 校刀器 ATC ALIGNMENT TOOL SET



订单号/Order No.	型号/Model	D	D1	D2	KG
990424.30	SK30-ATC	31.75	50	18	1
990424.40	SK40-ATC	44.45	63.55	20	2
990424.50	SK50-ATC	69.85	97.5	28	5

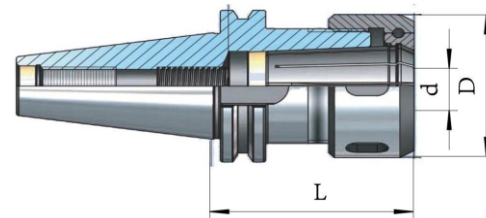
产品配件



SK-OZ筒夹刀柄 SK-OZ COLLET CHUCK



订单号/Order No.	型号/Model	d	D	L	KG
990525.401670	SK40-OZ16-70	3-16	43	70	1.55
990525.402570	SK40-OZ25-70	3-25	60	70	1.85
990525.403290	SK40-OZ32-90	6-32	72	90	1.95
990525.4016100	SK40-OZ16-100	3-16	43	100	1.85
990525.4025100	SK40-OZ25-100	3-25	60	100	2.3
990525.502570	SK50-OZ25-70	3-25	60	70	3.25
990525.503280	SK50-OZ32-80	6-32	72	80	4.5
990525.5025100	SK50-OZ25-100	3-25	60	100	5.1
990525.5032100	SK50-OZ32-100	6-32	72	100	5.7



产品配件

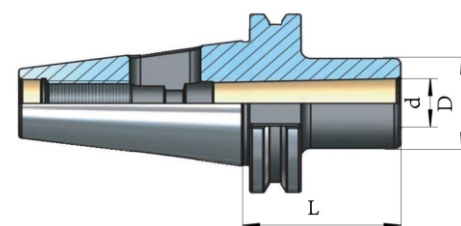


SK-MTA莫氏刀柄 SK-MTA MORSE TAPER ADAPTER



G6.3
/15000

订单号/Order No.	型号/Model	d	D	L	KG
990422.300150	SK30-MTA1-50	12.065	25	50	0.44
990422.300265	SK30-MTA2-65	17.78	32	65	0.53
990422.300380	SK30-MTA3-80	23.825	40	80	0.68
990422.400145	SK40-MTA1-45	12.065	25	45	0.87
990422.400260	SK40-MTA2-60	17.78	32	60	0.88
990422.400375	SK40-MTA3-75	23.825	40	75	1.03
990422.400490	SK40-MTA4-90	31.267	48	90	1.26
990422.500145	SK50-MTA1-45	12.065	25	45	2.61
990422.500260	SK50-MTA2-60	17.78	32	60	2.69
990422.500375	SK50-MTA3-75	23.825	40	75	3.09
990422.500495	SK50-MTA4-95	31.267	48	95	3.01
990422.5005105	SK50-MTA5-105	44.399	63	105	3.18



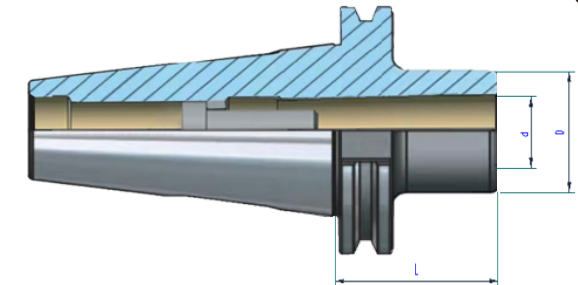
产品配件



SK-MTB莫氏刀柄 SK-MTB MORSE TAPER ADAPTER



G6.3
/15000



订单号/Order No.	型号/Model	d	D	L	KG
990421.400145	SK40-MTB1-45	12.065	25	45	0.91
990421.400260	SK40-MTB2-60	17.78	32	60	0.93
990421.400375	SK40-MTB3-75	23.825	40	75	1.1
990421.400490	SK40-MTB4-90	31.267	48	90	1.39
990421.500145	SK50-MTB1-45	12.065	25	45	2.71
990421.500260	SK50-MTB2-60	17.78	32	60	2.8
990421.500375	SK50-MTB3-75	23.825	40	75	2.89
990421.500490	SK50-MTB4-90	31.267	48	90	2.92
990421.5005105	SK50-MTB5-105	44.399	63	105	3.32

产品配件



SK主轴验棒 SK TEST BAR



产品配件

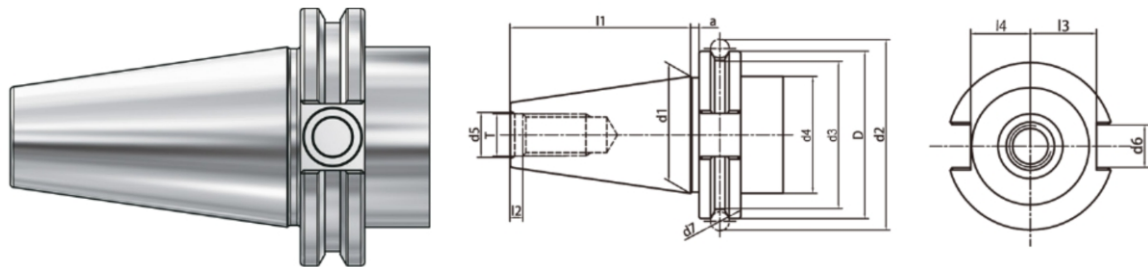


订单号/Order No.	型号/Model	D	L	KG
990423.3032250	SK30-D30-300	30	300	1.68
990423.4040300	SK40-D40-300	40	300	3.39
990423.5050300	SK50-D50-300	50	300	6.33

CAT刀柄系列
CAT HOLDER SERIES



CAT Taper Standard CAT锥柄标准

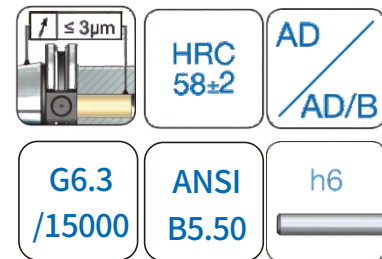


Size	D	d1	d2	d3	d4	d5	d6	d7	L1	L2	L3	L4	L5	T
CAT30	1.812	1.25	2.176	1.531	1.25	0.516	0.645	0.2813	1.875	0.188	0.735	0.64	0.44	1/2-13
CAT40	2.500	1.75	2.863	2.219	1.75	0.641	0.645	0.2813	2.687	0.188	0.985	0.89	0.44	5/8-11
CAT50	3.875	2.75	4.238	3.594	2.75	1.020	1.020	0.2813	4.000	0.250	1.485	1.39	0.44	1-8

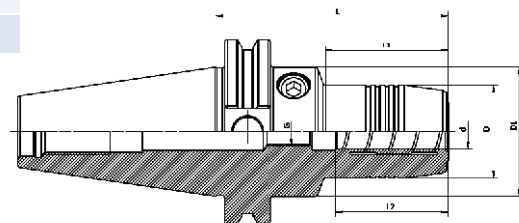
锥度标准:ANSIB5.50
材料:合金淬火钢
表面处理:工艺发蓝, 抛光
锥度公差:<AT3
硬度:HRC58-62
碳深:0.8±0.2mm
表面粗糙度:Pa<0.005mm
平衡:G6.3/15000;G2.5/25000
冷却:AD;AD/B可按要求制作
Taper shandard:ANSI B5.50
Material:Alloyed case hardeneed steel
Surface Treatment:Anti-rust treatment;Polishing treatment
Taper tolerance:< At3
Hardness:HRC 58-62
Carbon depth:0.8±0.2mm
Surface Roughness:Pa<0.005mm
Balancing:G6.3/15000;G2.5/25000
Cooling:AD/B can be made by request

CAT-液压刀柄，标准型

CAT-Hydraulic Chuck, Standard



订单号/Order No.	型号/Model	d	D	D1	L
990550.400680.5	CAT40-HY06-80.5	6	26	49.5	80.5
990550.400880.5	CAT40-HY08-80.5	8	28	49.5	80.5
990550.401080.5	CAT40-HY10-80.5	10	30	49.5	80.5
990550.401280.5	CAT40-HY12-80.5	12	32	49.5	80.5
990550.401680.5	CAT40-HY16-80.5	16	38	49.5	80.5
990550.402080.5	CAT40-HY20-80.5	20	42	49.5	80.5
990550.402580.5	CAT40-HY25-80.5	25	55	66	80.5
990550.403280.5	CAT40-HY32-80.5	32	63	80	80.5
990550.4006110	CAT40-HY06-110	6	26	49.5	110
990550.4008110	CAT40-HY08-110	8	28	49.5	110
990550.4010110	CAT40-HY10-110	10	30	49.5	110
990550.4012110	CAT40-HY12-110	12	32	49.5	110
990550.4016110	CAT40-HY16-110	16	38	49.5	110
990550.4020110	CAT40-HY20-110	20	42	49.5	110
990550.500680.5	CAT50-HY06-80.5	6	26	49.5	80.5
990548.500880.5	CAT50-HY08-80.5	8	28	49.5	80.5
990548.501080.5	CAT50-HY10-80.5	10	30	49.5	80.5
990548.501280.5	CAT50-HY12-80.5	12	32	49.5	80.5
990548.501680.5	CAT50-HY16-80.5	16	38	49.5	80.5
990548.502080.5	CAT50-HY20-80.5	20	42	49.5	80.5



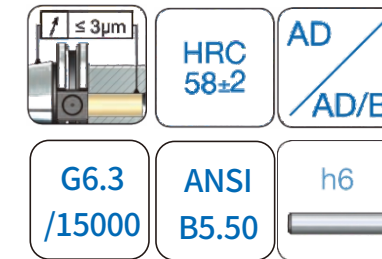
产品配件



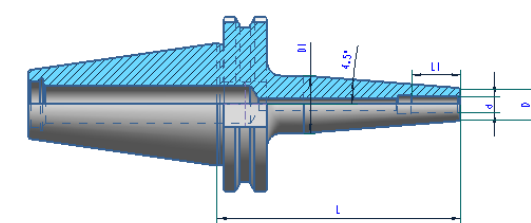
拉钉/Pull Stud

CAT-SF热缩刀柄，标准型

CAT-SF SHRINK FIT CHUCK 4.5°



订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990548.400480	CAT40-SF04-80	4	10	18	80	60.9	1
990548.400580	CAT40-SF05-80	5	15	20	80	60.9	1.2
990548.400680	CAT40-SF06-80	6	21	27	80	60.9	1.2
990548.400880	CAT40-SF08-80	8	21	27	80	60.9	1.3
990548.401080	CAT40-SF10-80	10	24	32	80	60.9	1.3
990548.401280	CAT40-SF12-80	12	24	32	80	60.9	1.3
990548.401480	CAT40-SF14-80	14	27	34	80	60.9	1.3
990548.401680	CAT40-SF16-80	16	27	34	80	60.9	1.3
990548.401880	CAT40-SF18-80	18	33	42	80	60.9	1.3
990548.402080	CAT40-SF20-80	20	33	42	80	60.9	1.4
990548.4025100	CAT40-SF25-100	25	44	53	100	80.9	2.1
990548.4032100	CAT40-SF32-100	32	44	53	100	80.9	2.1
990548.4006120	CAT40-SF06-120	6	21	27	120	100.9	1.5
990548.4008120	CAT40-SF08-120	8	21	27	120	100.9	1.5
990548.4010120	CAT40-SF10-120	10	24	32	120	100.9	1.6
990548.4012120	CAT40-SF12-120	12	24	32	120	100.9	1.6
990548.4014120	CAT40-SF14-120	14	27	34	120	100.9	1.6
990548.4016120	CAT40-SF16-120	16	27	34	120	100.9	1.6
990548.4018120	CAT40-SF18-120	18	33	42	120	100.9	1.7
990548.4020120	CAT40-SF20-120	20	33	42	120	100.9	1.7
990548.4025120	CAT40-SF25-120	25	44	53	120	100.9	2.3
990548.4006160	CAT40-SF06-160	6	21	27	160	140.9	1.8
990548.4008160	CAT40-SF08-160	8	21	27	160	140.9	1.8
990548.4010160	CAT40-SF10-160	10	24	32	160	140.9	1.8
990548.4012160	CAT40-SF12-160	12	24	32	160	140.9	1.9
990548.4014160	CAT40-SF14-160	14	27	34	160	140.9	1.9
990548.4016160	CAT40-SF16-160	16	27	34	160	140.9	1.9
990548.4018160	CAT40-SF18-160	18	33	42	160	140.9	2
990548.4020160	CAT40-SF20-160	20	33	42	160	140.9	2
990548.4025160	CAT40-SF25-160	25	44	53	160	140.9	2.6
990548.4032160	CAT40-SF32-160	32	44	53	160	140.9	2.6
990548.4006200	CAT40-SF06-200	6	21	27	200	180.9	2.2
990548.4008200	CAT40-SF08-200	8	21	27	200	180.9	2.2
990548.4010200	CAT40-SF10-200	10	24	32	200	180.9	2.3
990548.4012200	CAT40-SF12-200	12	24	32	200	180.9	2.3
990548.4014200	CAT40-SF14-200	14	27	34	200	180.9	2.3
990548.4016200	CAT40-SF16-200	16	27	34	200	180.9	2.3
990548.4018200	CAT40-SF18-200	18	33	42	200	180.9	2.4
990548.4018200	CAT40-SF20-200	20	33	42	200	180.9	2.8
990548.4025200	CAT40-SF25-200	25	44	53	200	180.9	3
990548.4032200	CAT40-SF32-200	32	44	53	200	180.9	3



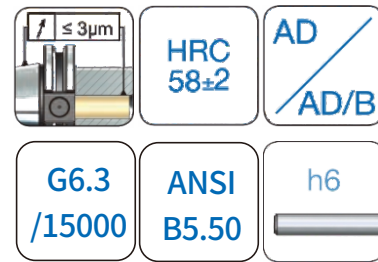
产品配件



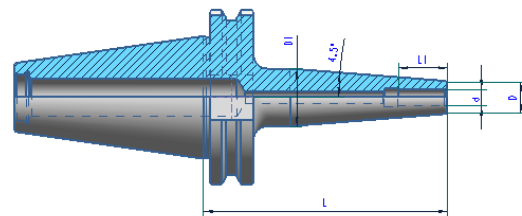
拉钉/Pull Stud

CAT-SF热缩刀柄，标准型

CAT-SF SHRINK FIT CHUCK 4.5°



订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990548.500680	CAT50-SF06-80	6	21	27	80	60.9	2.8
990548.500880	CAT50-SF08-80	8	21	27	80	60.9	2.8
990548.501080	CAT50-SF10-80	10	24	32	80	60.9	2.8
990548.501280	CAT50-SF12-80	12	24	32	80	60.9	2.9
990548.501480	CAT50-SF14-80	14	27	34	80	60.9	2.9
990548.501680	CAT50-SF16-80	16	27	34	80	60.9	3.1
990548.501880	CAT50-SF18-80	18	33	42	80	60.9	3.1
990548.502080	CAT50-SF20-80	20	33	42	80	60.9	3.3
990548.5025100	CAT50-SF25-100	25	44	53	80	60.9	3.3
990548.5032100	CAT50-SF32-100	32	44	53	80	60.9	3.4
990548.5006120	CAT50-SF06-120	6	21	27	120	100.9	2.9
990548.5008120	CAT50-SF08-120	8	21	27	120	100.9	2.9
990548.5010120	CAT50-SF10-120	10	24	32	120	100.9	2.9
990548.5012120	CAT50-SF12-120	12	24	32	120	100.9	3
990548.5014120	CAT50-SF14-120	14	27	34	120	100.9	3
990548.5016120	CAT50-SF16-120	16	27	34	120	100.9	3.3
990548.5018120	CAT50-SF18-120	18	33	42	120	100.9	3.3
990548.5020120	CAT50-SF20-120	20	33	42	120	100.9	3.5
990548.5025120	CAT50-SF25-120	25	44	53	120	100.9	3.5
990548.5032120	CAT50-SF32-120	32	44	53	120	100.9	3.6
990548.5006160	CAT50-SF06-160	6	21	27	160	140.9	3
990548.5008160	CAT50-SF08-160	8	21	27	160	140.9	3
990548.5010160	CAT50-SF10-160	10	24	32	160	140.9	3
990548.5012160	CAT50-SF12-160	12	24	32	160	140.9	3.1
990548.5014160	CAT50-SF14-160	14	27	34	160	140.9	3.1
990548.5016160	CAT50-SF16-160	16	27	34	160	140.9	3.5
990548.5018160	CAT50-SF18-160	18	33	42	160	140.9	3.5
990548.5020160	CAT50-SF20-160	20	33	42	160	140.9	3.7
990548.5025160	CAT50-SF25-160	25	44	53	160	140.9	3.7
990548.5032160	CAT50-SF32-160	32	44	53	160	140.9	3.8
990548.5006200	CAT50-SF06-200	6	21	27	200	180.9	3.1
990548.5008200	CAT50-SF08-200	8	21	27	200	180.9	3.1
990548.5010200	CAT50-SF10-200	10	24	32	200	180.9	3.1
990548.5012200	CAT50-SF12-200	12	24	32	200	180.9	3.2
990548.5014200	CAT50-SF14-200	14	27	34	200	180.9	3.2
990548.5016200	CAT50-SF16-200	16	27	34	200	180.9	3.7
990548.5018200	CAT50-SF18-200	18	33	42	200	180.9	3.7
990548.5020200	CAT50-SF20-200	20	33	42	200	180.9	3.9
990548.5025200	CAT50-SF25-200	25	44	53	200	180.9	3.9
990548.5032200	CAT50-SF32-200	32	44	53	200	180.9	4

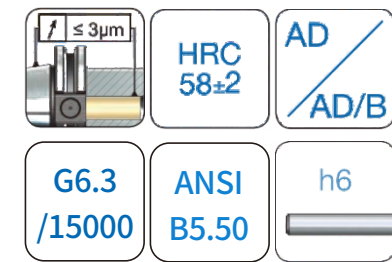


产品配件



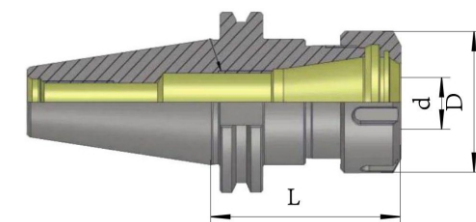
CAT-ER弹性筒夹刀柄

CAT-ER COLLET CHUCK



订单号/Order No.	型号/Model	d	D	L	KG
990545.401625	CAT40-ER16-2.5"	1-10mm	28	2.5"	1.05
990545.402025	CAT40-ER20-2.5"	1-13mm	34	2.5"	1.25
990545.402525	CAT40-ER25-2.5"	1-16mm	42	2.5"	1.35
990545.40323	CAT40-ER32-3"	2-20mm	50	3"	1.8
990545.40403	CAT40-ER40-3"	2-26mm	63	3"	2.05
990545.40164	CAT40-ER16-4"	1-10mm	28	4"	1.35
990545.40204	CAT40-ER20-4"	1-13mm	34	4"	1.65
990545.40254	CAT40-ER25-4"	1-16mm	42	4"	1.7
990545.40324	CAT40-ER32-4"	2-20mm	50	4"	1.75
990545.40404	CAT40-ER40-4"	2-26mm	63	4"	2.05
990545.40166	CAT40-ER16-6"	1-10mm	28	6"	1.55
990545.40206	CAT40-ER20-6"	1-13mm	34	6"	1.85
990545.40256	CAT40-ER25-6"	1-16mm	42	6"	2.25
990545.502025	CAT50-ER20-2.5"	1-13mm	34	2.5"	3.5
990545.502525	CAT50-ER25-2.5"	1-16mm	42	2.5"	3.5
990545.40164	CAT40-ER16-4"	1-10mm	24	4"	4.1
990545.50204	CAT50-ER20-4"	1-13mm	34	4"	4.2
990545.50254	CAT50-ER25-4"	1-16mm	42	4"	4.15
990545.50324	CAT50-ER32-4"	2-20mm	50	4"	4.35
990545.50404	CAT50-ER40-4"	2-26mm	63	4"	4.25
990545.40164	CAT40-ER16-6"	1-10mm	28	6"	4.28
990545.50206	CAT50-ER20-6"	1-13mm	34	6"	4.45
990545.50256	CAT50-ER25-6"	1-16mm	42	6"	4.5
990545.50326	CAT50-ER32-6"	2-20mm	50	6"	4.6
990545.50406	CAT50-ER40-6"	2-26mm	63	6"	4.8

产品配件



CAT-MC 强力刀柄

CAT-MC POWER MILLING CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990546.401690	CAT40-MC16-90	16	50	90	2.1
990546.402090	CAT40-MC20-90	20	62	90	2.5
990546.402590	CAT40-MC25-90	25	62	90	2.7
990546.4032105	CAT40-MC32-105	32	74	105	2.8
990546.5016100	CAT50-MC16-110	16	50	110	5
990546.5020110	CAT50-MC20-110	20	62	110	5.2
990546.5025110	CAT50-MC25-110	25	62	110	5.2
990546.5032110	CAT50-MC32-110	32	74	110	5.4
990546.5042110	CAT50-MC42-110	42	88	110	6.2
990546.5020165	CAT50-MC20-165	20	62	165	5.38
990546.5025165	CAT50-MC25-165	25	62	165	5.8
990546.5032165	CAT50-MC32-165	32	74	165	6
990546.5042165	CAT50-MC42-165	42	88	165	7.15
990546.5032200	CAT50-MC32-200	32	74	200	7.2
990546.40344	CAT40-MC3/4"-4"	3/4"	50	4"	1.9
990546.4014	CAT40-MC1"-4"	1"	59	4"	1.9
990546.401144	CAT40-MC1-1/4"-4"	1-1/4"	68	4"	2.4
990546.50344	CAT50-MC3/4"-4"	3/4"	50	4"	4.1
990546.5014	CAT50-MC1"-4"	1"	59	4"	4.2
990546.501144	CAT50-MC1-1/4"-4"	1-1/4"	70	4"	4.5

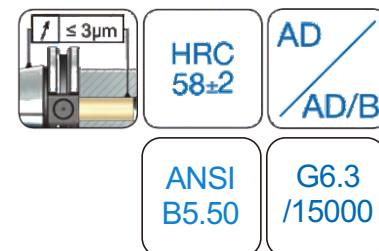
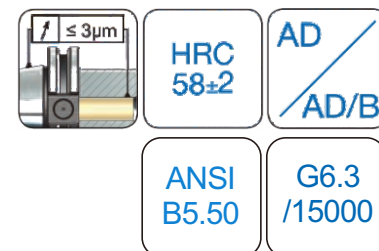
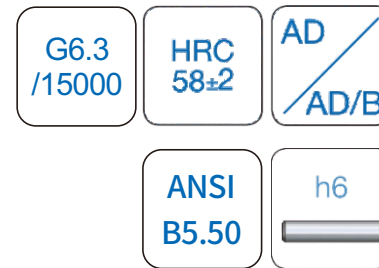
产品配件



CAT-OZ筒夹刀柄

CAT-OZ COLLET CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990525.4025225	CAT40-OZ25-2.25"	2-25mm	2.36"	2.25"	1.55
990525.4032225	CAT40-OZ32-2.25"	3-32mm	2.83"	2.25"	1.95
990525.40254	CAT40-OZ25-4"	2-25mm	2.36"	4"	2.55
990525.40324	CAT40-OZ32-4"	3-32mm	2.83"	4"	2.35



订单号/Order No.	型号/Model	d	D	L	KG
990525.5025225	CAT50-OZ25-2.25"	2-25mm	2.36"	2.25"	3.25
990525.5032225	CAT50-OZ32-2.25"	3-32mm	2.83"	2.25"	4.05
990525.50254	CAT50-OZ25-4"	2-25mm	2.36"	4"	5.3
990525.50324	CAT50-OZ32-4"	3-32mm	2.83"	4"	6.1

产品配件

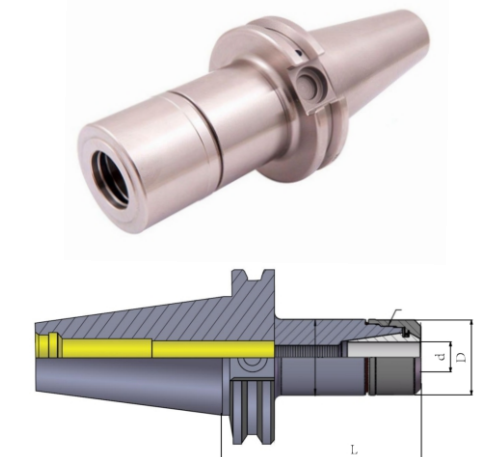
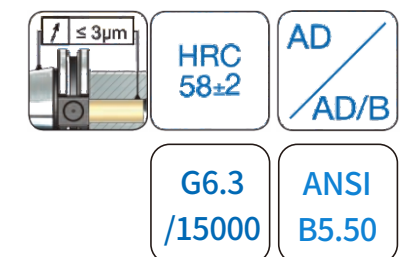
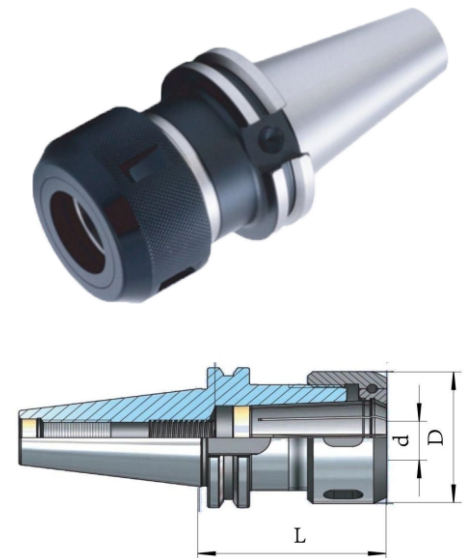


CAT-GSK 高速刀柄

CAT-GSK HIGH SPEED COLLET CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990543.401060	CAT40-GSK10-60	1-10mm	27	60	1.1
990543.401670	CAT40-GSK16-70	3-16mm	40	70	1.7
990543.401090	CAT40-GSK10-90	1-10mm	27	90	1.2
990543.401690	CAT40-GSK16-90	3-16mm	40	90	1.5
990543.402090	CAT40-GSK20-90	4-20mm	48	90	1.6
990543.402590	CAT40-GSK25-90	6-25mm	55	90	1.8
990543.4010120	CAT40-GSK10-120	1-10mm	27	120	1.4
990543.4016120	CAT40-GSK16-120	3-16mm	40	120	1.7
990543.4020120	CAT40-GSK20-120	4-20mm	48	120	2
990543.4025120	CAT40-GSK25-120	6-25mm	55	120	2
990543.5010135	CAT50-GSK10-135	1-10mm	27	135	4.4
990543.5016135	CAT50-GSK16-135	3-16mm	40	135	4.6
990543.5020135	CAT50-GSK20-135	4-20mm	48	135	5.4
990543.5025135	CAT50-GSK25-135	6-25mm	55	135	5.4
990543.5010165	CAT50-GSK10-165	1-10mm	27	165	4.6
990543.5016165	CAT50-GSK16-165	3-16mm	40	165	5.1
990543.5020165	CAT50-GSK20-165	4-20mm	48	165	5
990543.5025165	CAT50-GSK25-165	6-25mm	55	165	5.6

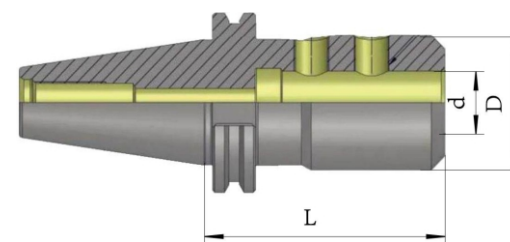
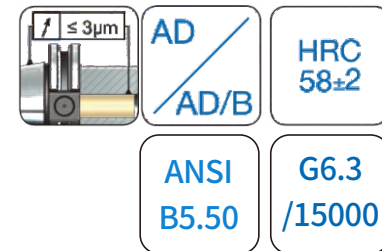
产品配件



CAT-SLA 侧固刀柄

CAT-SLA SIDE LOCK END MILL HOLDER

订单号/Order No.	型号/Model	d	D	L
990536.5014138	CAT50-SLA1/4"-1.38"	1/4"	19.81	1.38"
990536.5034138	CAT50-SLA3/8"-1.38"	3/8"	25.4	1.38"
990536.50716175	CAT50-SLA7/16"-1.75"	7/16"	28.575	1.75"
990536.5012175	CAT50-SLA1/2"-1.75"	1/2"	31.75	1.75"
990536.5058175	CAT50-SLA5/8"-1.75"	5/8"	38.1	1.75"
990536.5034175	CAT50-SLA3/4"-1.75"	3/4"	44.45	1.75"
990536.5012	CAT50-SLA1"-2"	1"	50.8	2"
990536.501142	CAT50-SLA1-1/4"-2"	1-1/4"	63.5	2"
990536.50112225	CAT50-SLA1-1/2"-2.25"	1-1/2"	63.5	2.25"
990536.5051625	CAT50-SLA5/16"-2.5"	5/16"	22.225	2.5"
990536.5071625	CAT50-SLA7/16"-2.5"	7/16"	28.575	2.5"
990536.50122	CAT50-SLA1/2"-2"	1/2"	31.75	2"
990536.50582	CAT50-SLA5/8"-2"	5/8"	38.1	2"
990536.50342	CAT50-SLA3/4"-2"	3/4"	44.45	2"
990536.5078375	CAT50-SLA7/8"-3.75"	7/8"	47.625	3.75"
990536.501245	CAT50-SLA1/2"-4.5"	1/2"	63.5	4.5"
990536.502537	CAT50-SLA2"-5.37"	2"	95.25	5.37"
990536.50144	CAT50-SLA1/4"-4"	1/4"	19.81	4"
990536.505164	CAT50-SLA5/16"-4"	5/16"	22.225	4"
990536.50384	CAT50-SLA3/8"-4"	3/8"	25.4	4"
990536.50124	CAT50-SLA1/2"-4"	1/2"	31.75	4"
990536.50584	CAT50-SLA5/8"-4"	5/8"	38.1	4"
990536.50344	CAT50-SLA3/4"-4"	3/4"	44.45	4"
990536.5014	CAT50-SLA1"-4"	1"	50.8	4"
990536.501144	CAT50-SLA1-1/4"-4"	1-1/4"	63.5	4"
990536.50146	CAT50-SLA1/4"-6"	1/4"	19.81	6"
990536.50386	CAT50-SLA3/8"-6"	3/8"	25.4	6"
990536.50126	CAT50-SLA1/2"-6"	1/2"	31.75	6"
990536.50586	CAT50-SLA5/8"-6"	5/8"	38.1	6"
990536.50346	CAT50-SLA3/4"-6"	3/4"	44.45	6"
990536.5016	CAT50-SLA1"-6"	1"	50.8	6"
990536.501146	CAT50-SLA1-1/4"-6"	1-1/4"	63.5	6"

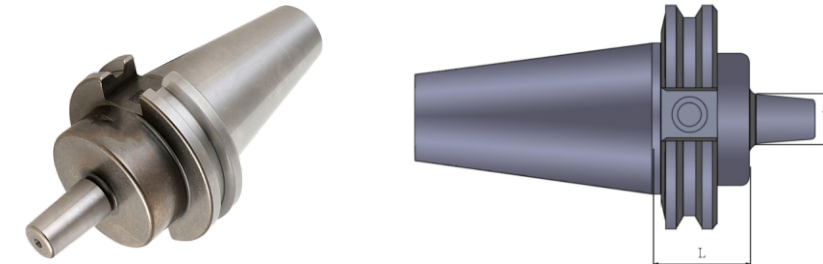
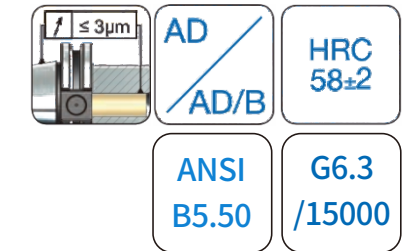


产品配件



CAT-JT钻接杆

CAT-JT DRILL CHUCK ADAPTER



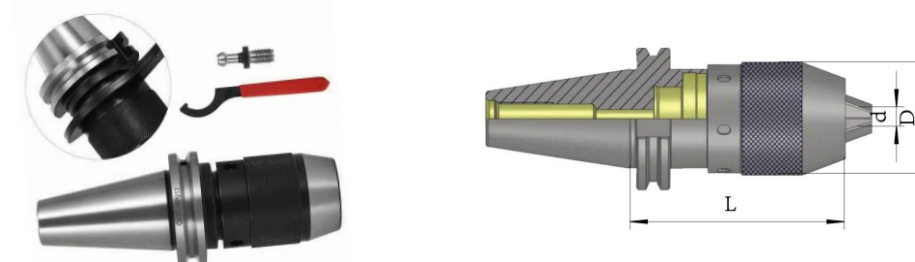
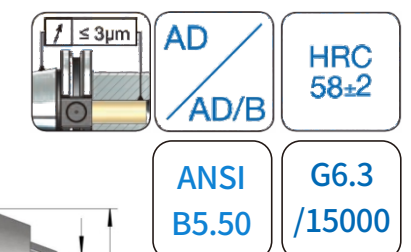
订单号/Order No.	型号/Model	d	L	KG
990520.4022	CAT40-JT2-2"	14.188	2"	1.25
990520.4032	CAT40-JT3-2"	20.588	2"	1.25
990520.4042	CAT40-JT4-2"	28.55	2"	1.25
990520.4062	CAT40-JT6-2"	17.17	2"	1.25
990520.40332	CAT40-JT33-2"	15.85	2"	1.25
990520.5022	CAT50-JT2-2"	14.188	2"	3.65
990520.5032	CAT50-JT3-2"	20.588	2"	3.65
990520.5042	CAT50-JT4-2"	28.55	2"	3.65
990520.5062	CAT50-JT6-2"	17.17	2"	3.65
990520.50332	CAT50-JT33-2"	15.85	2"	3.65

产品配件



CAT-APU一体式钻夹头刀柄

CAT-APU DRILL CHUCK



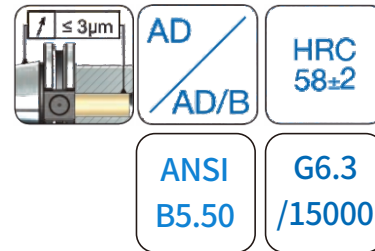
订单号/Order No.	型号/Model	d	D	L	KG
990534.300885	CAT30-APU08-85	1-8mm	37	85	0.85
990534.3013125	CAT30-APU13-125	1-13mm	50	125	1.1
990534.3016135	CAT30-APU16-135	1-16mm	57	135	1.95
990534.400885	CAT40-APU08-85	1-8mm	37	85	1.85
990534.4013100	CAT40-APU13-100	1-13mm	50	100	2.1
990534.40.16100	CAT40-APU16-100	1-16mm	57	100	2.95
990534.500875	CAT50-APU08-75	1-8mm	37	75	2.1
990534.5013100	CAT50-APU13-100	1-13mm	50	100	2.85
990534.5016110	CAT50-APU16-110	1-16mm	57	110	3.45

产品配件

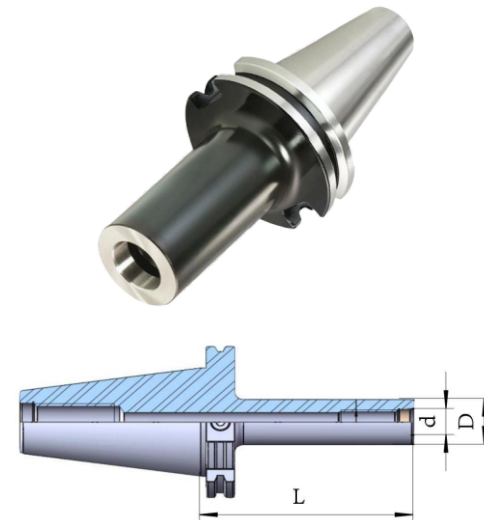


CAT-M直柄锁牙刀柄

CAT-M SCREWED HOLDER



订单号/Order No.	型号/Model	d	D	L	KG
990528.4010119	CAT40-M10-119	10.5	18	119	0.99
990528.4010169	CAT40-M10-169	10.5	18	169	1.44
990528.4012119	CAT40-M12-119	12.5	21	119	1.19
990528.4012144	CAT40-M12-144	12.5	21	144	1.31
990528.4012169	CAT40-M12-169	12.5	29	169	1.61
990528.4016119	CAT40-M16-119	17	29	119	1.36
990528.4016144	CAT40-M16-144	17	29	144	1.58
990528.4016169	CAT40-M16-169	17	29	169	1.88
990528.5010119	CAT50-M10-119	10.5	18	119	2.99
990528.5010169	CAT50-M10-169	10.5	18	169	3.23
990528.5012119	CAT50-M12-119	12.5	21	119	2.99
990528.5012119	CAT50-M12-169	12.5	21	169	3.39
990528.5016119	CAT50-M16-119	17	29	119	3.28
990528.5016169	CAT50-M16-169	17	29	169	3.68



产品配件

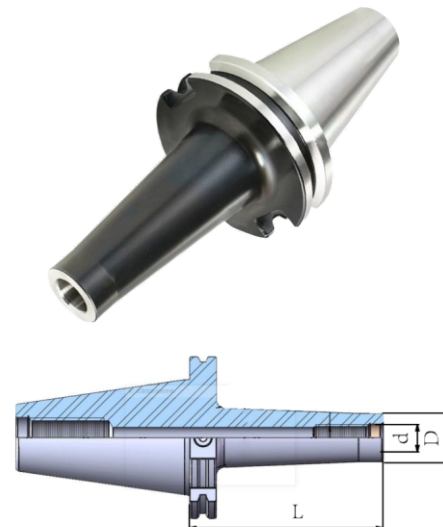


CAT-BOM锥柄锁牙刀柄

CAT-BOM SCREWED HOLDER



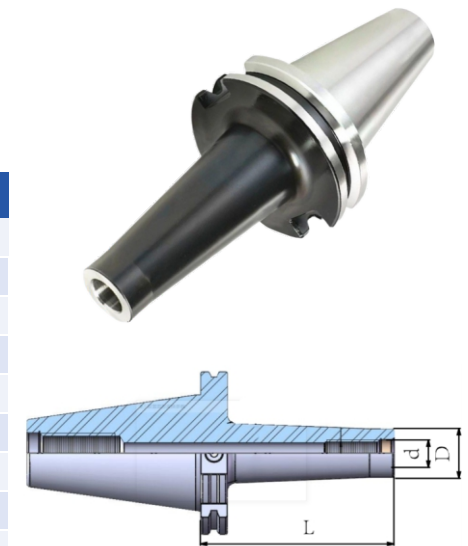
订单号/Order No.	型号/Model	d	D	L	KG
990529.400844	CAT40-BOM08-44	8.5	15	119	0.99
990529.400869	CAT40-BOM08-69	8.5	23	169	1.44
990529.400894	CAT40-BOM08-94	8.5	23	119	1.19
990529.4008119	CAT40-BOM08-119	8.5	25	144	1.31
990529.401044	CAT40-BOM10-44	10.5	20	169	1.61
990529.401069	CAT40-BOM10-69	10.5	23	119	1.36
990529.401094	CAT40-BOM10-94	10.5	28	144	1.58
990529.4010119	CAT40-BOM10-119	10.5	32	169	1.88
990529.4010169	CAT40-BOM10-169	10.5	36.5	119	2.99
990529.401244	CAT40-BOM12-44	12.5	24	169	3.23
990529.401269	CAT40-BOM12-69	12.5	24	119	2.99
990529.401294	CAT40-BOM12-94	12.5	31	169	3.39
990529.4012119	CAT40-BOM12-119	17	33	119	3.28
990529.4012144	CAT40-BOM12-144	17	36	169	3.68
990529.4012169	CAT40-BOM12-169	17	40	119	3.28



CAT-BOM锥柄锁牙刀柄

CAT-BOM SCREWED END MILL HOLDER

订单号/Order No.	型号/Model	d	D	L	KG
990529.401644	CAT40-BOM16-44	17	14.5	29	2.67
990529.401669	CAT40-BOM16-69	17	14.5	29	2.78
990529.401694	CAT40-BOM16-94	17	14.5	34	2.99
990529.4016119	CAT40-BOM16-119	17	18	36	2.7
990529.4016144	CAT40-BOM16-144	17	18	40	2.93
990529.4016169	CAT40-BOM16-169	17	18	42.5	3.23
990529.500869	CAT50-BOM08-69	8.5	21	23	2.71
990529.5008119	CAT50-BOM08-119	8.5	21	25	2.99
990529.5008169	CAT50-BOM08-169	8.5	21	30	3.39
990529.501069	CAT50-BOM10-69	10.5	29	23	2.83
990529.5010119	CAT50-BOM10-119	10.5	29	32	3.28
990529.5010169	CAT50-BOM10-169	10.5	29	36.5	3.68
990529.501269	CAT50-BOM12-69	12.5	21	24	2.71
990529.5012119	CAT50-BOM12-119	12.5	21	33	2.99
990529.5012169	CAT50-BOM12-169	12.5	21	40	3.39
990529.501669	CAT50-BOM16-69	17	29	34	2.83
990529.5016119	CAT50-BOM16-119	17	29	36	3.28
990529.5016169	CAT50-BOM16-169	17	29	42.5	3.68



产品配件

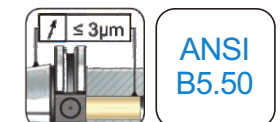


CAT-主轴验棒

CAT-TEST BAR

订单号/Order No.	型号/Model	D	L	KG
990523.303225	CAT30-30-300	30	300	1.68
990523.4040300	CAT40-40-300	40	300	3.39
990523.5050300	CAT50-50-300	50	300	6.33

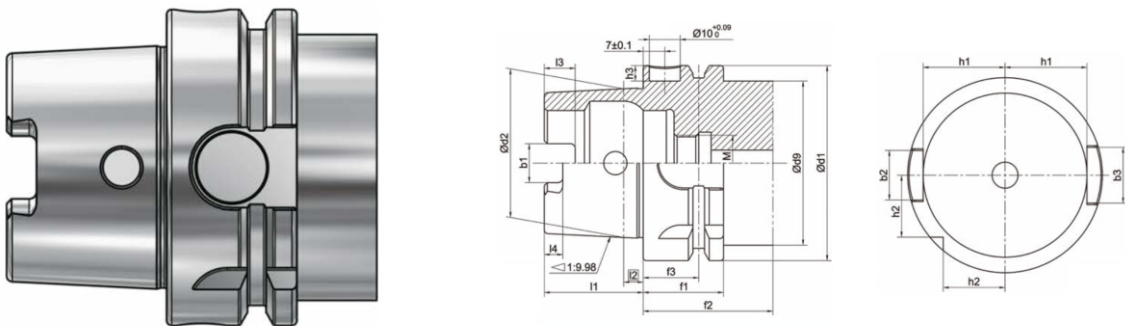
产品配件



HSK刀柄系列
HSK HOLDER SERIES



HSK-A 数控刀柄 DIN 69893-A
HSK-A HOLDER

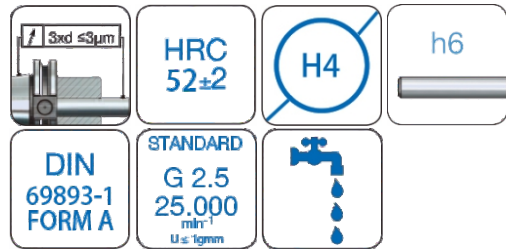


Size	d1	d2	d9	l1	l2	l3	l4	f1	f2	f3	h1	h2	h3	b1	b2	b3
HSK25A	25	19.006	20	13	2.5	4	2	10	20	4.5	10	7.5		6.05	6	7
HSK32A	32	24.007	26	16	3.2	5	3	20	35	16	13	9.5	5.4	7.05	7	9
HSK40A	40	30.007	34	20	4	6	3.5	20	35	16	17	12	5.2	8.05	9	11
HSK50A	50	38.009	42	25	5	7.5	4.5	26	42	18	21	15.5	5.1	10.54	12	14
HSK63A	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

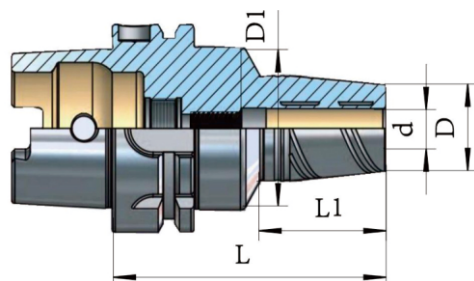
锥度标准:DIN69893;ISO12164
材料:合金化淬火钢
表面处理:工艺发蓝, 抛光
锥度公差:<AT3
硬度:hrc58-62
碳深:0.8±0.2mm
表面粗糙度:Ra<0.005mm
动平衡:G6.3/15000;G2.5/25000
Taper standard:DIN 69893;ISO 12164
Material:Alloyed case hardened steel
Surface Treatment:Anti-rust treatment;
Polishing treatment
Taper tolerance:<AT3
Hardness:HRC 58-62
Carbon depth:0.8+0.2mm
Surface Roughness:Ra<0.005mm

HSK-A PHC 液压刀柄

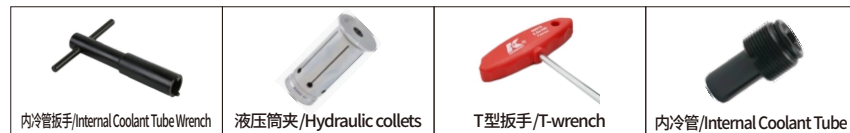
HSK-A PHC HYDRAULIC HOLDER



订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990150.50A0670	HSK50A-PHC06-70	6	30	42	70	28	1.1
990150.50A0870	HSK50A-PHC08-70	8	32	42	70	28	1.1
990150.50A1080	HSK50A-PHC10-80	10	34	42	80	35	0.77
990150.50A1285	HSK50A-PHC12-85	12	36	42	85	42	0.93
990150.50A1690	HSK50A-PHC16-90	16	40	42	90	45	0.98
990150.50A1890	HSK50A-PHC18-90	18	42	42	90	45	0.98
990150.50A2090	HSK50A-PHC20-90	20	42	42	90	45	1.05
990150.63A0680	HSK63A-PHC06-80	6	32	48	80	32	1.1
990150.63A0880	HSK63A-PHC08-80	8	34	50	80	32	1.15
990150.63A1080	HSK63A-PHC10-80	10	36	52.5	80	32	1.2
990150.63A1280	HSK63A-PHC12-80	12	38	52.5	80	32	1.2
990150.63A1690	HSK63A-PHC16-90	16	42	52.5	90	41	1.3
990150.63A1890	HSK63A-PHC18-90	18	46	52.5	90	41	1.35
990150.63A2090	HSK63A-PHC20-90	20	46	52.5	90	41	1.35
990150.63A25120	HSK63A-PHC25-120	25	53	63	120	55.5	2
990150.63A32125	HSK63A-PHC32-125	32	60	75	125	60.5	2.3
990150.100A0685	HSK100A-PHC06-85	6	32	50	85	30	2.5
990150.100A06150	HSK100A-PHC06-150	6	32	50	150	30	2.85
990150.100A0885	HSK100A-PHC08-85	8	34	50	85	30	2.5
990150.100A08150	HSK100A-PHC08-150	8	34	50	150	30	3
990150.100A1090	HSK100A-PHC10-90	10	36	52	90	34	2.6
990150.100A10150	HSK100A-PHC10-150	10	36	52	150	34	3.3
990150.100A1295	HSK100A-PHC12-95	12	38	52	95	38	2.65
990150.100A12150	HSK100A-PHC12-150	12	38	52	150	38	3.6
990150.100A16100	HSK100A-PHC16-100	16	42	58	100	40	2.86
990150.100A16150	HSK100A-PHC16-150	16	42	58	150	40	3.7
990150.100A18105	HSK100A-PHC18-105	18	42	58	105	30	3
990150.100A20105	HSK100A-PHC20-105	20	46	60	105	45	3
990150.100A20150	HSK100A-PHC20-150	20	46	60	150	45	3.75
990150.100A25110	HSK100A-PHC25-110	25	53	63	110	55.5	3.2
990150.100A32110	HSK100A-PHC32-110	32	62	75	110	55.5	3.6

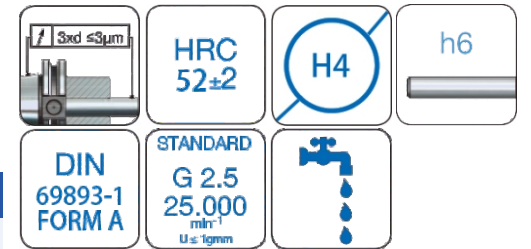


产品配件

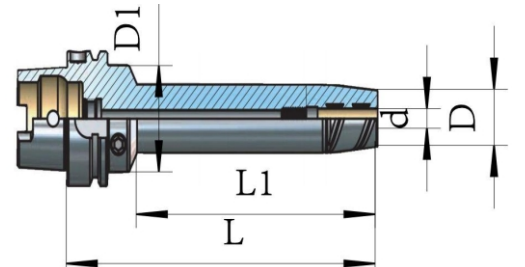


HSK-A 细长型液压刀柄

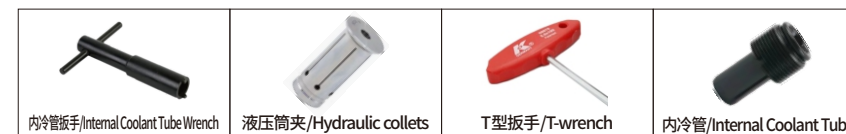
HSK-A SLIM TYPE HYDRAULIC HOLDER



订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990150.63A06150	HSK63A-HCS06-150	6	26	50	150	105	1.3
990150.63A06200	HSK63A-HCS06-200	6	26	50	200	155	1.5
990150.63A08150	HSK63A-HCS08-150	8	28	50	150	105	1.3
990150.63A08200	HSK63A-HCS08-200	8	28	50	200	155	1.5
990150.63A10150	HSK63A-HCS10-150	10	30	50	150	105	1.4
990150.63A10200	HSK63A-HCS10-200	10	30	50	200	155	1.65
990150.63A12150	HSK63A-HCS12-150	12	32	50	150	105	1.4
990150.63A12200	HSK63A-HCS12-200	12	32	50	200	155	1.65
990150.63A14150	HSK63A-HCS14-150	14	34	50	150	105	1.5
990150.63A14200	HSK63A-HCS14-200	14	34	50	200	155	2
990150.63A16150	HSK63A-HCS16-150	16	38	50	150	105	1.7
990150.63A16200	HSK63A-HCS16-200	16	38	50	200	155	2
990150.63A18150	HSK63A-HCS18-150	18	40	50	150	105	1.65
990150.63A18200	HSK63A-HCS18-200	18	40	50	200	155	2.1
990150.63A20150	HSK63A-HCS20-150	20	42	50	150	105	1.85
990150.63A20200	HSK63A-HCS20-200	20	42	50	200	155	2.45
990150.100A06150	HSK100A-HCS06-150	6	26	50	150	100	2.65
990150.100A06200	HSK100A-HCS06-200	6	26	50	200	150	3
990150.100A08150	HSK100A-HCS08-150	8	28	50	150	100	2.8
990150.100A08200	HSK100A-HCS08-200	8	28	50	200	150	3.1
990150.100A10150	HSK100A-HCS10-150	10	30	50	150	100	2.8
990150.100A10200	HSK100A-HCS10-200	10	30	50	200	150	3.2
990150.100A12150	HSK100A-HCS12-150	12	32	50	150	100	2.9
990150.100A12200	HSK100A-HCS12-200	12	32	50	200	150	3.3
990150.100A14150	HSK100A-HCS14-150	14	34	50	150	100	3.4
990150.100A14200	HSK100A-HCS14-200	14	34	50	200	150	3.1
990150.100A16150	HSK100A-HCS16-150	16	38	50	150	100	3.1
990150.100A16200	HSK100A-HCS16-200	16	38	50	200	150	3.6
990150.100A18150	HSK100A-HCS18-150	18	40	50	150	100	3.2
990150.100A18200	HSK100A-HCS18-200	18	40	50	200	150	3.7
990150.100A20150	HSK100A-HCS20-150	20	42	50	150	100	3.2
990150.100A20200	HSK100A-HCS20-200	20	42	50	200	150	3.7

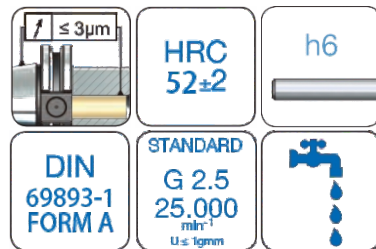


产品配件

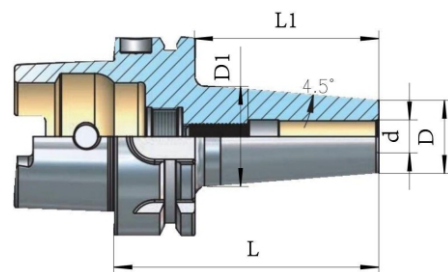


HSK-A SF 4.5° 热缩刀柄

HSK-A SF SHRINK FIT CHUCK 4.5°



订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990148.32A0365	HSK32A-SF03-65	3	9	16	65	45	0.2
990148.32A0465	HSK32A-SF04-65	4	10	18	65	45	0.2
990148.32A0565	HSK32A-SF05-65	5	10	18	65	45	0.2
990148.32A0675	HSK32A-SF06-75	6	21	26	75	55	0.3
990148.32A0875	HSK32A-SF08-75	8	21	26	75	55	0.3
990148.32A1075	HSK32A-SF10-75	10	24	29	75	55	0.33
990148.32A1280	HSK32A-SF12-80	12	24	29	80	60	0.35
990148.40A0360	HSK40A-SF03-60	3	9	16	60	40	0.25
990148.40A0460	HSK40A-SF04-60	4	10	18	60	40	0.25
990148.40A0560	HSK40A-SF05-60	5	10	18	60	40	0.25
990148.40A0680	HSK40A-SF06-80	6	21	27	80	60	0.41
990148.40A0880	HSK40A-SF08-80	8	21	27	80	60	0.41
990148.40A1080	HSK40A-SF10-80	10	24	32	80	60	0.48
990148.40A1290	HSK40A-SF12-90	12	24	32	90	70	0.51
990148.40A1490	HSK40A-SF14-90	14	27	34	90	70	0.55
990148.40A1690	HSK40A-SF16-90	16	27	34	90	70	0.55
990148.50A0380	HSK50A-SF03-80	3	9	18	80	54	0.45
990148.50A0480	HSK50A-SF04-80	4	10	18	80	54	0.5
990148.50A0580	HSK50A-SF05-80	5	10	18	80	54	0.5
990148.50A0680	HSK50A-SF06-80	6	21	27	80	54	0.6
990148.50A0880	HSK50A-SF08-80	8	21	27	80	54	0.6
990148.50A1085	HSK50A-SF10-85	10	24	32	85	59	0.65
990148.50A1290	HSK50A-SF12-90	12	24	32	90	64	0.68
990148.50A1490	HSK50A-SF14-90	14	27	34	90	64	0.73
990148.50A1695	HSK50A-SF16-95	16	27	34	95	69	0.73
990148.50A1895	HSK50A-SF18-95	18	33	42	95	69	0.9
990148.50A20100	HSK50A-SF20-100	20	33	42	100	74	0.95
990148.50A06120	HSK50A-SF06-120	6	21	27	120	94	0.75
990148.50A06160	HSK50A-SF06-160	6	21	27	160	134	0.95
990148.50A08120	HSK50A-SF08-120	8	21	27	120	94	0.75
990148.50A08160	HSK50A-SF08-160	8	21	27	160	134	0.95
990148.50A10120	HSK50A-SF10-120	10	24	32	120	94	0.86
990148.50A10160	HSK50A-SF10-160	10	24	32	160	134	1.15
990148.50A12120	HSK50A-SF12-120	12	24	32	120	94	0.86
990148.50A12160	HSK50A-SF12-160	12	24	32	160	134	1.1
990148.50A14120	HSK50A-SF14-120	14	27	34	120	94	0.95
990148.50A14160	HSK50A-SF14-160	14	27	34	160	134	1.2
990148.50A16120	HSK50A-SF16-120	16	27	34	120	94	0.9
990148.50A16160	HSK50A-SF16-160	16	27	34	160	134	1.2

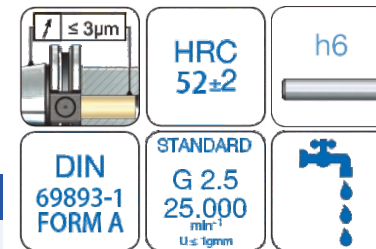


产品配件

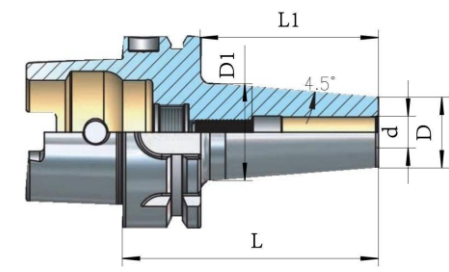


HSK-A SF 4.5° 热缩刀柄

HSK-A SF SHRINK FIT CHUCK 4.5°



订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990148.50A18120	HSK50A-SF18-120	18	33	42	120	94	1.2
990148.50A18160	HSK50A-SF18-160	18	33	42	160	134	1.6
990148.50A20120	HSK50A-SF20-120	20	33	42	120	94	1.15
990148.50A20160	HSK50A-SF20-160	20	33	42	160	134	1.6
990148.63A0380	HSK63A-SF03-80	3	10	16	80	54	0.7
990148.63A0480	HSK63A-SF04-80	4	10	18	80	54	0.72
990148.63A0580	HSK63A-SF05-80	5	10	18	80	54	0.72
990148.63A0680	HSK63A-SF06-80	6	21	27	80	54	0.84
990148.63A0880	HSK63A-SF08-80	8	21	27	80	54	0.83
990148.63A1085	HSK63A-SF10-85	10	24	32	85	59	0.91
990148.63A1290	HSK63A-SF12-90	12	24	32	90	64	0.92
990148.63A1490	HSK63A-SF14-90	14	27	34	90	64	1
990148.63A1695	HSK63A-SF16-95	16	27	34	95	69	1
990148.63A1895	HSK63A-SF18-95	18	33	42	95	69	1.2
990148.63A20100	HSK63A-SF20-100	20	33	42	100	74	1.2
990148.63A25115	HSK63A-SF25-115	25	44	52.5	115	89	1.8
990148.63A32120	HSK63A-SF32-120	32	44	52.5	120	94	1.7
990148.63A04120	HSK63A-SF04-120	4	10	16	120	94	0.82
990148.63A06120	HSK63A-SF06-120	6	21	27	120	94	1
990148.63A08120	HSK63A-SF08-120	8	21	27	120	94	1
990148.63A10120	HSK63A-SF10-120	10	24	32	120	94	1.15
990148.63A12120	HSK63A-SF12-120	12	24	32	120	94	1.15
990148.63A14120	HSK63A-SF14-120	14	27	34	120	94	1.2
990148.63A16120	HSK63A-SF16-120	16	27	34	120	94	1.2
990148.63A18120	HSK63A-SF18-120	18	33	42	120	94	1.45
990148.63A20120	HSK63A-SF20-120	20	33	42	120	94	1.4
990148.63A25150	HSK63A-SF25-120	25	44	52.5	120	94	1.85
990148.63A32120	HSK63A-SF32-120	32	44	52.5	120	94	1.7
990148.63A06160	HSK63A-SF06-160	6	21	32	160	134	1.2
990148.63A08160	HSK63A-SF08-160	8	21	32	160	134	1.2
990148.63A10160	HSK63A-SF10-160	10	24	34	160	134	1.35
990148.63A12160	HSK63A-SF12-160	12	24	34	160	134	1.35
990148.63A14160	HSK63A-SF14-160	14	27	42	160	134	1.45
990148.63A16160	HSK63A-SF16-160	16	27	42	160	134	1.45
990148.63A18160	HSK63A-SF18-160	18	33	50	160	134	1.83
990148.63A20160	HSK63A-SF20-160	20	33	50	160	134	1.8
990148.63A25160	HSK63A-SF25-160	25	44	52.5	160	134	2.52
990148.63A32160	HSK63A-SF32-160	32	44	52.5	160	134	2.4
990148.63A06200	HSK63A-SF06-200	6	21	32	200	174	1.35

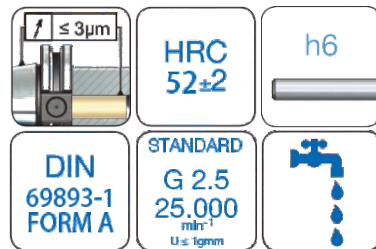


产品配件

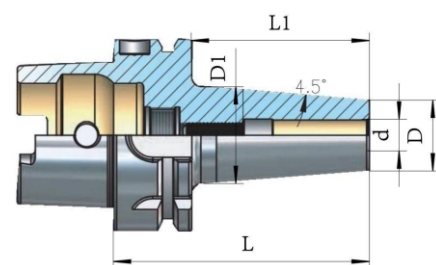


HSK-A SF 4.5° 热缩刀柄

HSK-A SF SHRINK FIT CHUCK 4.5°



订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990148.63A08200	HSK63A-SF08-200	8	21	32	200	174	1.35
990148.63A10200	HSK63A-SF10-200	10	24	34	200	174	1.6
990148.63A12200	HSK63A-SF12-200	12	24	34	200	174	1.6
990148.63A14200	HSK63A-SF14-200	14	27	42	200	174	1.72
990148.63A16200	HSK63A-SF16-200	16	27	42	200	174	1.7
990148.63A18200	HSK63A-SF18-200	18	33	50	200	174	2.3
990148.63A20200	HSK63A-SF20-200	20	33	50	200	174	2.2
990148.63A25200	HSK63A-SF25-200	25	44	52.5	200	174	2.4
990148.63A32200	HSK63A-SF32-200	32	44	52.5	200	174	3.1
990148.80A0685	HSK80A-SF06-85	6	21	27	85	59	1.3
990148.80A0885	HSK80A-SF08-85	8	21	27	85	59	1.3
990148.80A1090	HSK80A-SF10-90	10	24	32	90	64	1.4
990148.80A1295	HSK80A-SF12-95	12	24	32	95	69	1.4
990148.80A1495	HSK80A-SF14-95	14	27	34	95	69	1.45
990148.80A16100	HSK80A-SF16-100	16	24	34	100	74	1.5
990148.80A18100	HSK80A-SF18-100	18	33	42	100	74	1.65
990148.80A20105	HSK80A-SF20-105	20	33	42	105	79	1.7
990148.80A25115	HSK80A-SF25-115	25	44	53	115	89	2.3
990148.80A32120	HSK80A-SF32-120	32	44	53	120	94	2.2
990148.80A06120	HSK80A-SF06-120	6	21	27	120	94	1.45
990148.80A08120	HSK80A-SF08-120	8	21	27	120	94	1.45
990148.80A10120	HSK80A-SF10-120	10	24	32	120	94	1.6
990148.80A12120	HSK80A-SF12-120	12	24	32	120	94	1.55
990148.80A14120	HSK80A-SF14-120	14	27	34	120	94	1.6
990148.80A16120	HSK80A-SF16-120	16	24	34	120	94	1.6
990148.80A18120	HSK80A-SF18-120	18	33	42	120	94	1.85
990148.80A20120	HSK80A-SF20-120	20	33	42	120	94	1.85
990148.80A25120	HSK80A-SF25-120	25	44	53	120	94	2.3
990148.80A06160	HSK80A-SF06-160	6	21	27	160	94	1.6
990148.80A08160	HSK80A-SF08-160	8	21	27	160	94	1.6
990148.80A10160	HSK80A-SF10-160	10	24	32	160	94	1.8
990148.80A12160	HSK80A-SF12-160	12	24	32	160	94	1.8
990148.80A14160	HSK80A-SF14-160	14	27	34	160	94	1.9
990148.80A16160	HSK80A-SF16-160	16	24	34	160	94	1.9
990148.80A18160	HSK80A-SF18-160	18	33	42	160	94	2.3
990148.80A20160	HSK80A-SF20-160	20	33	42	160	94	2.24
990148.80A25160	HSK80A-SF25-160	25	44	53	160	94	3
990148.80A32160	HSK80A-SF32-160	32	44	53	160	94	2.8

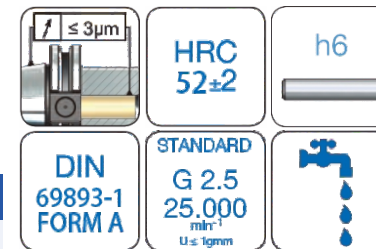


产品配件

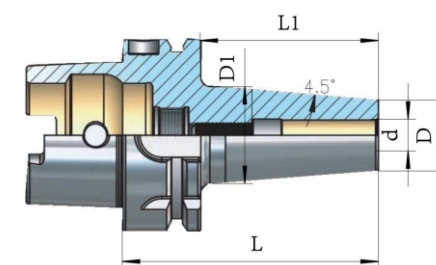


HSK-A SF 4.5° 热缩刀柄

HSK-A SF SHRINK FIT CHUCK 4.5°



订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990148.100A0685	HSK100A-SF06-85	6	21	32	85	56	2.2
990148.100A0885	HSK100A-SF08-85	8	21	32	85	56	2.2
990148.100A1090	HSK100A-SF10-90	10	24	34	90	61	2.3
990148.100A1295	HSK100A-SF12-95	12	24	34	95	66	2.3
990148.100A1495	HSK100A-SF14-95	14	27	42	95	66	2.4
990148.100A16100	HSK100A-SF16-100	16	27	42	100	71	2.4
990148.100A18100	HSK100A-SF18-100	18	33	50	100	71	2.5
990148.100A20105	HSK100A-SF20-105	20	33	50	105	76	2.6
990148.100A25115	HSK100A-SF25-115	25	44	60	115	86	3.1
990148.100A32120	HSK100A-SF32-120	32	44	60	120	91	3
990148.100A06120	HSK100A-SF06-120	6	21	32	120	91	2.4
990148.100A08120	HSK100A-SF08-120	8	21	32	120	91	2.4
990148.100A10120	HSK100A-SF10-120	10	24	34	120	91	2.5
990148.100A12120	HSK100A-SF12-120	12	24	34	120	91	2.5
990148.100A14120	HSK100A-SF14-120	14	27	42	120	91	2.6
990148.100A16120	HSK100A-SF16-120	16	27	42	120	91	2.6
990148.100A18120	HSK100A-SF18-120	18	33	50	120	91	2.8
990148.100A20120	HSK100A-SF20-120	20	33	50	120	91	2.8
990148.100A25120	HSK100A-SF25-120	25	44	60	120	91	3.2
990148.100A06160	HSK100A-SF06-160	6	21	32	160	131	2.6
990148.100A08160	HSK100A-SF08-160	8	21	32	160	131	2.6
990148.100A10160	HSK100A-SF10-160	10	24	34	160	131	2.8
990148.100A12160	HSK100A-SF12-160	12	24	34	160	131	2.8
990148.100A14160	HSK100A-SF14-160	14	27	42	160	131	2.9
990148.100A16160	HSK100A-SF16-160	16	27	42	160	131	2.9
990148.100A18160	HSK100A-SF18-160	18	33	50	160	131	3.15
990148.100A20160	HSK100A-SF20-160	20	33	50	160	131	3.15
990148.100A25160	HSK100A-SF25-160	25	44	60	160	131	3.82
990148.100A32160	HSK100A-SF32-160	32	44	60	160	131	3.7
990148.100A06200	HSK100A-SF06-200	6	21	32	200	171	2.7
990148.100A08200	HSK100A-SF08-200	8	21	32	200	171	2.7
990148.100A10200	HSK100A-SF10-200	10	24	34	200	171	3
990148.100A12200	HSK100A-SF12-200	12	24	34	200	171	2.9
990148.100A14200	HSK100A-SF14-200	14	27	42	200	171	3
990148.100A16200	HSK100A-SF16-200	16	27	42	200	171	3
990148.100A18200	HSK100A-SF18-200	18	33	50	200	171	3.6
990148.100A20200	HSK100A-SF20-200	20	33	50	200	171	3.5
990148.100A25200	HSK100A-SF25-200	25	44	60	200	171	4.5
990148.100A32200	HSK100A-SF32-200	32	44	60	200	171	4.35

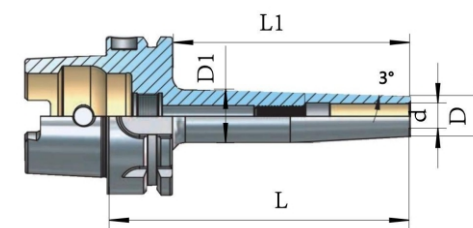
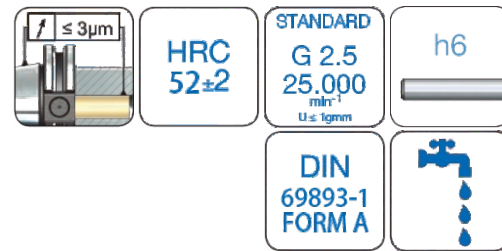


产品配件



HSK-A SF 3° 热缩刀柄

HSK-A SF SHRINK FIT CHUCK 3°

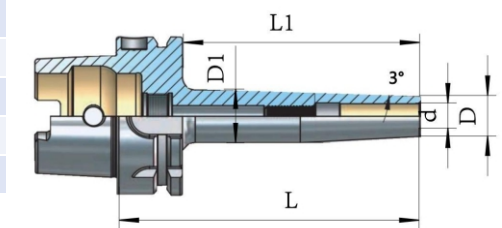
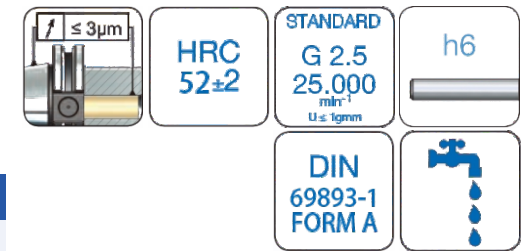


产品配件



HSK-A SF 3° 热缩刀柄

HSK-A SF SHRINK FIT CHUCK 3°



产品配件

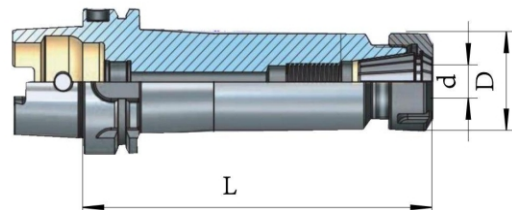
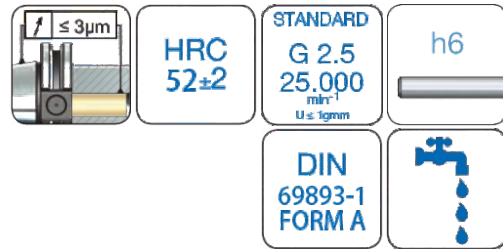


订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990147.50A0390	HSK50A-SFS03-90	3	9	13	90	64	0.7
990147.50A0490	HSK50A-SFS04-90	4	10	14	90	64	0.7
990147.50A0690	HSK50A-SFS06-90	6	12	18	90	64	0.6
990147.50A0890	HSK50A-SFS08-90	8	14	20	90	64	0.6
990147.50A1090	HSK50A-SFS10-90	10	16	22	90	64	0.7
990147.50A1290	HSK50A-SFS12-90	12	18	24	90	64	0.7
990147.50A1690	HSK50A-SFS16-90	16	22	28	90	64	0.8
990147.50A03120	HSK50A-SFS03-120	3	9	16	120	94	0.8
990147.50A04120	HSK50A-SFS04-120	4	10	17	120	94	0.8
990147.50A06120	HSK50A-SFS06-120	6	12	21	120	94	0.8
990147.50A08120	HSK50A-SFS08-120	8	14	23	120	94	0.9
990147.50A10120	HSK50A-SFS10-120	10	16	25	120	94	0.95
990147.50A12120	HSK50A-SFS12-120	12	18	27	120	94	0.95
990147.50A16120	HSK50A-SFS16-120	16	22	31	120	94	1
990147.50A04160	HSK50A-SFS04-160	4	10	20	160	134	1.3
990147.50A06160	HSK50A-SFS06-160	6	12	24	160	134	1.3
990147.50A08160	HSK50A-SFS08-160	8	14	26	160	134	1.3
990147.50A10160	HSK50A-SFS10-160	10	16	28	160	134	1.3
990147.50A12160	HSK50A-SFS12-160	12	18	30	160	134	1.35
990147.50A16160	HSK50A-SFS16-160	16	22	34	160	134	1.35
990147.63A0490	HSK63A-SFS04-90	4	10	14	90	64	0.8
990147.63A0690	HSK63A-SFS06-90	6	12	18	90	64	0.8
990147.63A0890	HSK63A-SFS08-90	8	14	20	90	64	0.8
990147.63A1090	HSK63A-SFS10-90	10	16	22	90	64	0.9
990147.63A1290	HSK63A-SFS12-90	12	18	24	90	64	1
990147.63A1690	HSK63A-SFS16-90	16	22	28	90	64	1.1
990147.63A04120	HSK63A-SFS04-120	4	10	17	120	94	0.9
990147.63A06120	HSK63A-SFS06-120	6	12	21	120	94	0.9
990147.63A08120	HSK63A-SFS08-120	8	14	23	120	94	0.9
990147.63A10120	HSK63A-SFS10-120	10	16	25	120	94	1
990147.63A12120	HSK63A-SFS12-120	12	18	27	120	94	1
990147.63A16120	HSK63A-SFS16-120	16	22	31	120	94	1.3
990147.63A03160	HSK63A-SFS03-160	3	9	19	160	134	1.2
990147.63A04160	HSK63A-SFS04-160	4	10	20	160	134	1.2
990147.63A06160	HSK63A-SFS06-160	6	12	24	160	134	1.2
990147.63A08160	HSK63A-SFS08-160	8	14	26	160	134	1.3
990147.63A10160	HSK63A-SFS10-160	10	16	28	160	134	1.4
990147.63A12160	HSK63A-SFS12-160	12	18	30	160	134	1.3
990147.63A16160	HSK63A-SFS16-160	16	22	34	160	134	1.5

订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990147.100A0685	HSK100A-SFS06-85	6	12	17	85	56	2.1
990147.100A0885	HSK100A-SFS08-85	8	14	19	85	56	2.2
990147.100A1090	HSK100A-SFS10-90	10	16	21.5	90	61	2.2
990147.100A1295	HSK100A-SFS12-95	12	18	24	95	66	2.2
990147.100A16100	HSK100A-SFS16-100	16	22	29	100	71	2.3
990147.100A06120	HSK100A-SFS06-120	6	12	20.5	120	91	2.4
990147.100A08120	HSK100A-SFS08-120	8	14	22.5	120	91	2.4
990147.100A10120	HSK100A-SFS10-120	10	16	24.5	120	91	2.4
990147.100A12120	HSK100A-SFS12-120	12	18	26.5	120	91	2.4
990147.100A16120	HSK100A-SFS16-120	16	22	31	120	91	2.6
990147.100A06160	HSK100A-SFS06-160	6	12	25	160	131	2.3
990147.100A08160	HSK100A-SFS08-160	8	14	27	160	131	2.4
990147.100A10160	HSK100A-SFS10-160	10	16	29	160	131	2.4
990147.100A12160	HSK100A-SFS12-160	12	18	31	160	131	2.7
990147.100A16160	HSK100A-SFS16-160	16	22	35	160	131	2.6
990147.100A06200	HSK100A-SFS06-200	6	12	29	200	171	2.5
990147.100A08200	HSK100A-SFS08-200	8	14	31	200	171	2.6
990147.100A10200	HSK100A-SFS10-200	10	16	33	200	171	2.65
990147.100A12200	HSK100A-SFS12-200	12	18	35	200	171	2.7
990147.100A16200	HSK100A-SFS16-200	16	22	39	200	171	2.9

HSK-A ER 刀柄

HSK-A ER COLLET CHUCK

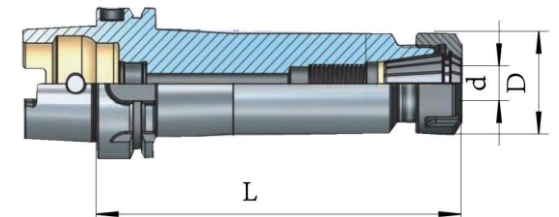
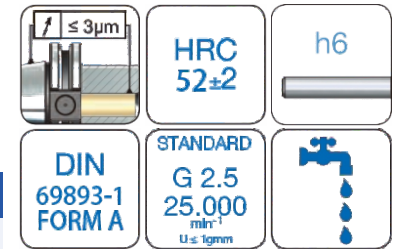


产品配件



HSK-A ER 弹簧夹头刀柄

HSK-A ER COLLET CHUCK



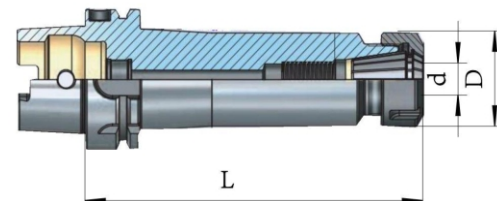
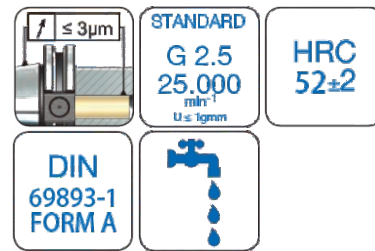
产品配件



订单号/Order No.	型号/Model	d	D	L	KG
990145.32A1660	HSK32A-ER16-60	1-10	28	60	0.3
990145.32A2060	HSK32A-ER20-60	1-13	34	60	0.35
990145.32A2570	HSK32A-ER25-70	2-16	42	70	0.4
990145.32A3280	HSK32A-ER32-80	3-20	50	80	0.5
990145.40A1670	HSK40A-ER16-70	1-10	28	70	0.45
990145.40A2070	HSK40A-ER20-70	1-13	34	70	0.45
990145.40A2580	HSK40A-ER25-80	2-16	42	80	0.5
990145.40A3280	HSK40A-ER32-80	3-20	50	80	0.7
990145.50A1680	HSK50A-ER16-80	1-10	28	80	0.6
990145.50A2080	HSK50A-ER20-80	1-13	34	80	0.65
990145.50A2580	HSK50A-ER25-80	2-16	42	80	0.9
990145.50A32100	HSK50A-ER32-100	3-20	50	100	0.95
990145.63A1680	HSK63A-ER16-80	1-10	28	80	0.85
990145.63A2080	HSK63A-ER20-80	1-13	34	80	1
990145.63A2580	HSK63A-ER25-80	2-16	42	80	1
990145.63A3280	HSK63A-ER32-80	3-20	50	90	1.3
990145.63A4080	HSK63A-ER40-80	4-26	63	80	1.45
990145.63A16100	HSK63A-ER16-100	1-10	28	100	1
990145.63A20100	HSK63A-ER20-100	1-13	34	100	1.1
990145.63A25100	HSK63A-ER25-100	2-16	42	100	1.2
990145.63A32100	HSK63A-ER32-100	3-20	50	100	1.4
990145.63A40100	HSK63A-ER40-100	4-26	63	100	1.55
990145.63A16120	HSK63A-ER16-120	1-10	28	120	1.1
990145.63A20120	HSK63A-ER20-120	1-13	34	120	1.1
990145.63A25120	HSK63A-ER25-120	2-16	42	120	1.3
990145.63A32120	HSK63A-ER32-120	3-20	50	120	1.7
990145.63A40120	HSK63A-ER40-120	4-26	63	120	2.2
990145.63A16160	HSK63A-ER16-160	1-10	28	160	1.3
990145.63A20160	HSK63A-ER20-160	1-13	34	160	1.35
990145.63A25160	HSK63A-ER25-160	2-16	42	160	1.85
990145.63A32160	HSK63A-ER32-160	3-20	50	160	2.2
990145.63A40160	HSK63A-ER40-160	4-26	63	160	2.9
990145.63A16200	HSK63A-ER16-200	1-10	28	200	1.45
990145.63A20200	HSK63A-ER20-200	1-13	34	200	1.65
990145.63A25200	HSK63A-ER25-200	2-16	42	200	2.2
990145.63A32200	HSK63A-ER32-200	3-20	50	200	2.6
990145.63A40200	HSK63A-ER40-200	4-26	63	200	3.5

订单号/Order No.	型号/Model	d	D	L	KG
990145.100A16100	HSK100A-ER16-100	1-10	28	100	2.6
990145.100A20100	HSK100A-ER20-100	1-13	34	100	2.7
990145.100A25100	HSK100A-ER25-100	2-16	42	100	2.9
990145.100A32100	HSK100A-ER32-100	3-20	50	100	3.2
990145.100A40120	HSK100A-ER40-120	4-26	63	120	3.8
990145.100A16160	HSK100A-ER16-160	1-10	28	160	3
990145.100A20160	HSK100A-ER20-160	1-13	34	160	3.2
990145.100A25160	HSK100A-ER25-160	2-16	42	160	3.5
990145.100A32160	HSK100A-ER32-160	3-20	50	160	3.8
990145.100A40160	HSK100A-ER40-160	4-26	63	160	4.2
990145.100A16200	HSK100A-ER16-200	1-10	28	200	3.5
990145.100A20200	HSK100A-ER20-200	1-13	34	200	3.9
990145.100A25200	HSK100A-ER20-200	2-16	42	200	4.5
990145.100A32200	HSK100A-ER32-200	3-20	50	200	4.8
990145.100A40200	HSK100A-ER40-200	4-26	63	200	5.3

HSK-A ER-M弹簧夹头刀柄 HSK-A ER-M COLLET CHUCK

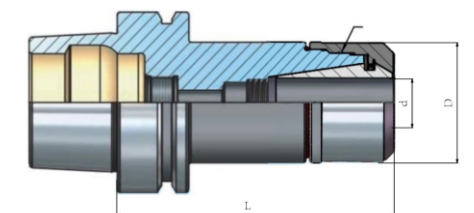
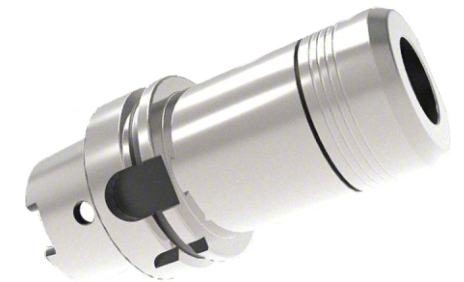
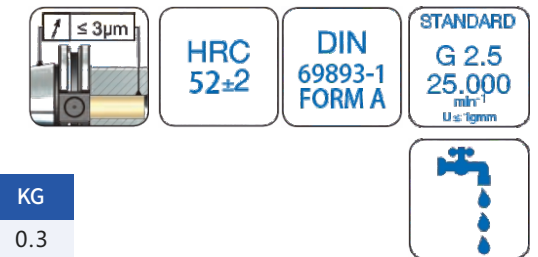


订单号/Order No.	型号/Model	d	D	L
990145.32A1160M	HSK32A-ER11M-60	1-7	16	60
990145.32A1660M	HSK32A-ER16M-60	1-10	22	60
990145.32A2060M	HSK32A-ER20M-60	1-13	28	60
990145.40A1160M	HSK40A-ER11M-60	1-7	16	60
990145.40A16M60	HSK40A-ER16M-60	1-10	22	60
990145.40A20M60	HSK40A-ER20M-60	1-13	28	60
990145.50A1170M	HSK50A-ER11M-70	1-7	16	70
990145.50A1670M	HSK50A-ER16M-70	1-10	22	70
990145.50A2070M	HSK50A-ER20M-70	1-13	28	70
990145.63A11100M	HSK63A-ER11M-100	1-7	16	100
990145.63A16100M	HSK63A-ER16M-100	1-10	22	100
990145.63A20100M	HSK63A-ER20M-100	1-13	28	100
990145.63A25100M	HSK63A-ER25M-100	2-16	35	100
990145.63A11160M	HSK63A-ER11M-160	1-7	16	160
990145.63A16160M	HSK63A-ER16M-160	1-10	28	160
990145.63A20160M	HSK63A-ER20M-160	1-13	22	160
990145.63A25M160	HSK63A-ER25M-160	2-16	35	160
990145.100A16100M	HSK100A-ER16M-100	1-10	22	100
990145.100A20100M	HSK100A-ER20M-100	1-13	28	100
990145.100A25100M	HSK100A-ER25M-100	2-16	35	100
990145.100A16160M	HSK100A-ER16M-160	1-10	22	160
990145.100A20160M	HSK100A-ER20M-160	1-13	28	160
990145.100A25160M	HSK100A-ER25M-160	2-16	35	160

产品配件



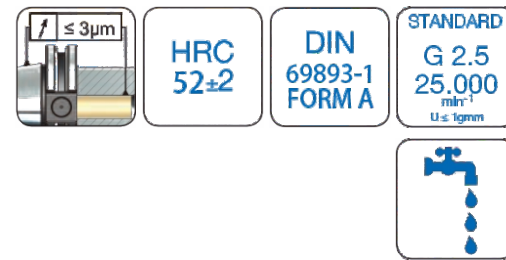
HSK-A GER刀柄 HSK-A GER COLLET CHUCK



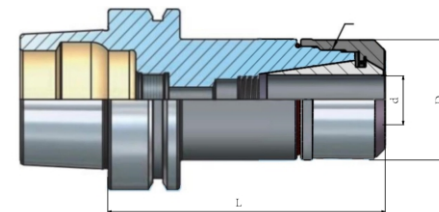
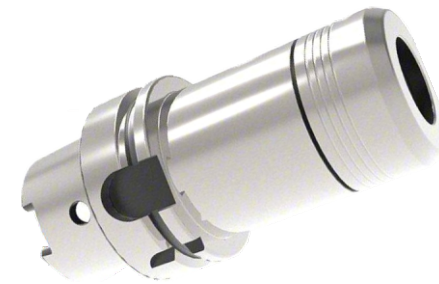
订单号/Order No.	型号/Model	d	D	L	KG
990144.32A1660	HSK32A-GER16-60	1-10	28	60	0.3
990144.32A2060	HSK32A-GER20-60	1-13	35	60	0.35
990144.32A2570	HSK32A-GER25-70	2-16	42	70	0.4
990144.32A3280	HSK32A-GER32-80	3-20	50	80	0.5
990144.40A1670	HSK40A-GER16-70	1-10	28	70	0.45
990144.40A2070	HSK40A-GER20-70	1-13	35	70	0.45
990144.40A2580	HSK40A-GER25-80	2-16	42	80	0.5
990144.40A3280	HSK40A-GER32-80	3-20	50	80	0.7
990144.50A1680	HSK50A-GER16-80	1-10	28	80	0.6
990144.50A2080	HSK50A-GER20-80	1-13	35	80	0.65
990144.50A2580	HSK50A-GER25-80	2-16	42	80	0.9
990144.50A32100	HSK50A-GER32-100	3-20	50	100	0.95
990144.63A1680	HSK63A-GER16-80	1-10	28	80	0.85
990145.63A2080	HSK63A-GER20-80	1-13	35	80	1
990144.63A2580	HSK63A-GER25-80	2-16	42	80	1
990145.63A3280	HSK63A-GER32-80	3-20	50	90	1.3
990144.63A4080	HSK63A-GER40-80	4-26	63	80	1.45
990145.63A16100	HSK63A-GER16-100	1-10	28	100	1
990144.63A20100	HSK63A-GER20-100	1-13	35	100	1.1
990145.63A25100	HSK63A-GER25-100	2-16	42	100	1.2
990144.63A32100	HSK63A-GER32-100	3-20	50	100	1.4
990144.63A40100	HSK63A-GER40-100	4-26	63	100	1.55
990144.63A16120	HSK63A-GER16-120	1-10	28	120	1.1
990144.63A20120	HSK63A-GER20-120	1-13	35	120	1.1
990144.63A25120	HSK63A-GER25-120	2-16	42	120	1.3
990144.63A32120	HSK63A-GER32-120	3-20	50	120	1.7
990144.63A40120	HSK63A-GER40-120	4-26	63	120	2.2
990144.63A16160	HSK63A-GER16-160	1-10	28	160	1.3
990144.63A20160	HSK63A-GER20-160	1-13	35	160	1.35
990144.63A25160	HSK63A-GER25-160	2-16	42	160	1.85
990144.63A32160	HSK63A-GER32-160	3-20	50	160	2.2
990144.63A40160	HSK63A-GER40-160	4-26	63	160	2.9
990144.63A16200	HSK63A-GER16-200	1-10	28	200	1.45
990144.63A20200	HSK63A-GER20-200	1-13	35	200	1.65
990144.63A25200	HSK63A-GER25-200	2-16	42	200	2.2
990144.63A32200	HSK63A-GER32-200	3-20	50	200	2.6
990144.63A40200	HSK63A-GER40-200	4-26	63	200	3.5

HSK-A GER刀柄

HSK-A GER COLLET CHUCK



订单号/Order No.	型号/Model	d	D	L	KG
990144.100A16100	HSK100A-GER16-100	1-10	28	100	2.6
990144.100A20100	HSK100A-GER20-100	1-13	35	100	2.7
990144.100A25100	HSK100A-GER25-100	2-16	42	100	2.9
990144.100A32100	HSK100A-GER32-100	3-20	50	100	3.2
990144.100A40120	HSK100A-GER40-120	4-26	63	120	3.8
990144.100A16160	HSK100A-GER16-160	1-10	28	160	3
990144.100A20160	HSK100A-GER20-160	1-13	35	160	3.2
990144.100A25160	HSK100A-GER25-160	2-16	42	160	3.5
990144.100A32160	HSK100A-GER32-160	3-20	50	160	3.8
990144.100A40160	HSK100A-GER40-160	4-26	63	160	4.2
990144.100A16200	HSK100A-GER16-200	1-10	28	200	3.5
990144.100A20200	HSK100A-GER20-200	1-13	35	200	3.9
990144.100A25200	HSK100A-GER25-200	2-16	42	200	4.5
990144.100A32200	HSK100A-GER32-200	3-20	50	200	4.8
990144.100A40200	HSK100A-GER40-200	4-26	63	200	5.3

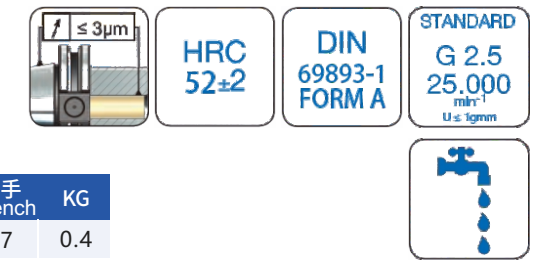


产品配件

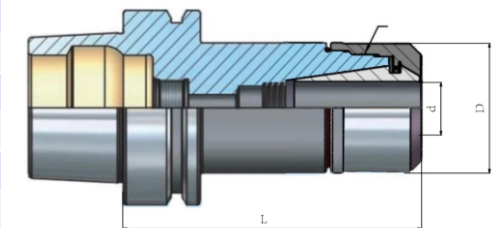
 GER螺母/GER Nut	 轴承扳手/Ball spanner	 内冷管扳手/Internal Coolant Tube Wrench
 ER筒夹/ER Collet	 内冷管/Internal Coolant Tube	 锁刀座/Locking Device

HSK-A GSK高速刀柄

HSK-A GSK HIGH SPEED COLLET CHUCK



订单号/Order No.	型号/Model	d	D	L	扳手 Wrench	KG
990143.40A1060	HSK40A-GSK10-60	1-10	27	60	27	0.4
990143.40A13100	HSK40A-GSK13-100	2-13	35	100	35	0.7
990143.40A1670	HSK40A-GSK16-70	2-16	40	70	40	0.6
990143.50A1080	HSK50A-GSK10-80	1-10	27	80	27	0.7
990143.50A10100	HSK50A-GSK10-100	2-13	27	100	27	1.1
990143.50A1380	HSK50A-GSK13-80	2-13	35	80	35	0.8
990143.50A13100	HSK50A-GSK13-100	1-13	35	100	35	1.2
990143.50A1680	HSK50A-GSK16-80	2-16	40	80	40	0.9
990143.50A16100	HSK50A-GSK16-100	2-16	40	100	40	1.3
990143.63A1090	HSK63A-GSK10-90	1-10	27	90	27	0.9
990143.63A10120	HSK63A-GSK10-120	1-10	27	120	27	1.2
990143.63A10150	HSK63A-GSK10-150	1-10	27	150	27	1.6
990143.63A1390	HSK63A-GSK13-90	2-13	35	90	35	1.3
990143.63A13120	HSK63A-GSK13-120	2-16	35	120	35	1.5
990143.63A1690	HSK63A-GSK16-90	2-16	40	90	40	1.3
990143.63A16120	HSK63A-GSK16-120	2-16	40	120	40	1.5
990143.63A16150	HSK63A-GSK16-150	2-16	40	150	40	2
990143.63A2090	HSK63A-GSK20-90	1-20	48	90	48	1.5
990143.63A20120	HSK63A-GSK20-120	3-20	48	120	48	1.8
990143.63A2590	HSK63A-GSK25-90	4-25	55	90	55	1.5
990143.63A25120	HSK63A-GSK25-120	4-25	55	120	55	1.8
990143.100A10100	HSK100A-GSK10-100	1-10	27	100	27	2.8
990143.100A10150	HSK100A-GSK10-150	1-10	27	150	27	3.2
990143.100A10200	HSK100A-GSK10-200	1-10	27	200	27	3.6
990143.100A16100	HSK100A-GSK16-100	2-16	40	100	40	2.9
990143.100A16120	HSK100A-GSK16-120	2-16	40	120	40	3.5
990143.100A16160	HSK100A-GSK16-160	2-16	40	160	40	3.9
990143.100A16200	HSK100A-GSK16-200	2-16	40	200	40	4.5

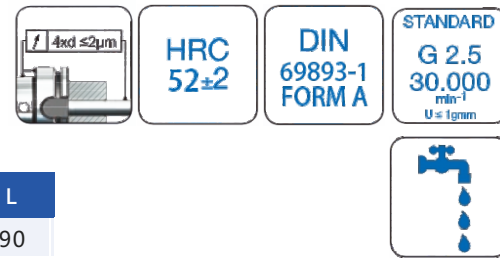


产品配件

 GSK筒夹/GSK Collet	 轴承扳手/Ball spanner	 内冷管扳手/Internal Coolant Tube Wrench
 GSK螺母/GSK nuts	 内冷管/Internal Coolant Tube	 锁刀座/Locking Device

HSK-A SDC后拉刀柄

HSK-A SDC COLLET CHUCK



订单号/Order No.	型号/Model	d	D	L
990142.50A0690	HSK50A-SDC06-90	1-6	14	90
990142.50A06120	HSK50A-SDC06-120	1-6	14	120
990142.50A06150	HSK50A-SDC06-150	1-6	14	150
990142.50A06200	HSK50A-SDC06-200	1-6	14	200
990142.50A0890	HSK50A-SDC08-90	1-10	22	90
990142.50A08120	HSK50A-SDC08-120	1-10	22	120
990142.50A08150	HSK50A-SDC08-150	1-10	22	150
990142.50A08200	HSK50A-SDC08-200	1-10	22	200
990142.63A0690	HSK63A-SDC06-90	1-6	14	90
990142.63A06120	HSK63A-SDC06-120	1-6	14	120
990142.63A06150	HSK63A-SDC06-150	1-6	14	150
990142.63A06200	HSK63A-SDC06-200	1-6	14	200
990142.63A0890	HSK63A-SDC08-90	1-10	22	90
990142.63A08120	HSK63A-SDC08-120	1-10	22	120
990142.63A08150	HSK63A-SDC08-150	1-10	22	150
990142.63A08200	HSK63A-SDC08-200	1-10	22	200
990142.63A1290	HSK63A-SDC12-90	1-12	34	90
990142.63A12120	HSK63A-SDC12-120	1-12	34	120
990142.63A12150	HSK63A-SDC12-150	1-12	34	150
990142.63A12200	HSK63A-SDC12-200	1-12	34	200
990142.100A06100	HSK100A-SDC06-100	1-6	14	100
990142.100A06120	HSK100A-SDC06-120	1-6	14	120
990142.100A06150	HSK100A-SDC06-150	1-6	14	150
990142.100A06200	HSK100A-SDC06-200	1-6	14	200
990142.100A08100	HSK100A-SDC08-100	1-10	22	100
990142.100A08120	HSK100A-SDC08-120	1-10	22	120
990142.100A08150	HSK100A-SDC08-150	1-10	22	150
990142.100A08200	HSK100A-SDC08-200	1-10	22	200
990142.100A12100	HSK100A-SDC12-100	1-12	34	100
990142.100A12120	HSK100A-SDC12-120	1-12	34	120
990142.100A12150	HSK100A-SDC12-150	1-12	34	150
990142.100A12200	HSK100A-SDC12-200	1-12	34	200

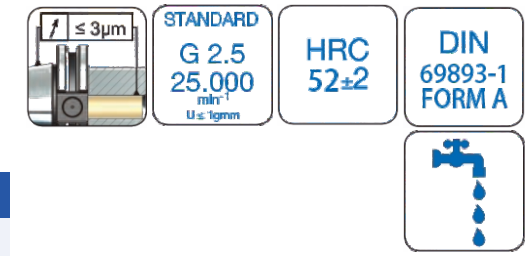


产品配件

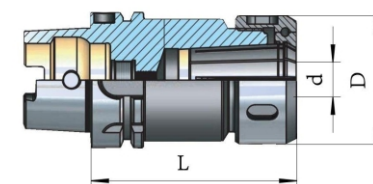


HSK-A OZ 筒夹刀柄

HSK-A OZ COLLET CHUCK



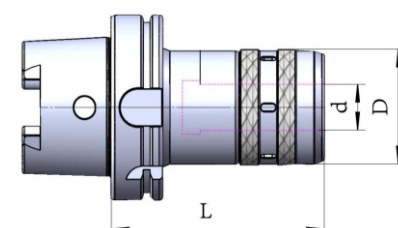
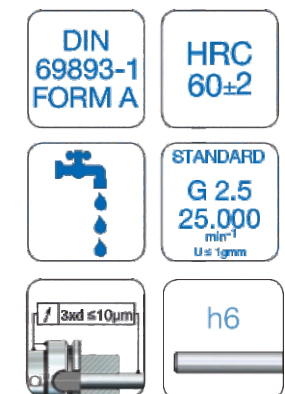
订单号/Order No.	型号/Model	d	D	L	KG
990125.50A1690	HSK50A-OZ16-90	2-16	43	90	0.95
990125.50A25110	HSK50A-OZ25-110	2-25	60	110	1.3
990125.63A16100	HSK63A-OZ16-100	2-16	43	100	1.3
990125.63A25100	HSK63A-OZ25-100	2-25	60	100	1.5
990125.63A32120	HSK63A-OZ32-120	3-32	72	120	2.2
990125.100A16110	HSK100A-OZ16-110	2-16	43	110	2.65
990125.100A25120	HSK100A-OZ25-120	2-25	60	120	3.5
990125.100A32130	HSK100A-OZ32-130	3-32	72	130	1.3



HSK-A MC强力刀柄

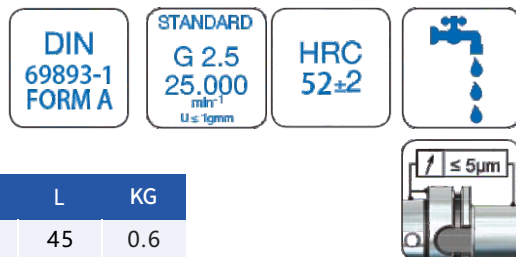
HSK-A MC POWER MILLING CHUCK

订单号/Order No.	型号/Model	d (加持范围)	d	D	L	KG
990146.50A1690	HSK50A-MC16-90	3-12	16	50	90	1.5
990146.50A20100	HSK50A-MC20-100	3-16	20	62	100	1.6
990146.50A25100	HSK50A-MC25-100	3-20	25	62	100	1.8
990146.50A32110	HSK50A-MC32-110	3-25	32	74	110	1.8
990146.63A1690	HSK63A-MC16-90	3-12	16	50	90	1.6
990146.63A20100	HSK63A-MC20-100	3-16	20	62	100	1.8
990146.63A25100	HSK63A-MC25-100	3-20	25	62	100	2
990146.63A32120	HSK63A-MC32-120	3-25	32	74	120	2.5
990146.63A42120	HSK63A-MC42-120	3-32	42	88	120	3.4
990146.63A32165	HSK63A-MC32-165	3-25	32	74	165	3.5
990146.63A32200	HSK63A-MC32-200	3-25	32	74	200	4.5
990146.100A20120	HSK100A-MC20-120	3-16	20	62	120	3.5
990146.100A25120	HSK100A-MC25-120	3-20	25	62	120	3.9
990146.100A32120	HSK100A-MC32-120	3-25	32	74	120	4.4
990146.100A42120	HSK100A-MC42-120	3-32	42	88	120	5.8
990146.100A20150	HSK100A-MC20-150	3-16	20	62	150	4.4
990146.100A25150	HSK100A-MC25-150	3-20	25	62	150	4.5
990146.100A32165	HSK100A-MC32-165	3-25	32	74	165	4.9
990146.100A42165	HSK100A-MC42-165	3-32	42	88	165	6.5
990146.100A20200	HSK100A-MC20-200	3-16	20	62	200	7.5
990146.100A25200	HSK100A-MC25-200	3-20	25	62	200	7.5
990146.100A32200	HSK100A-MC32-200	3-25	32	74	200	7.8
990146.100A42200	HSK100A-MC42-200	3-32	42	88	200	8.9
990146.100A42300	HSK100A-MC42-300	3-32	42	88	300	10.2

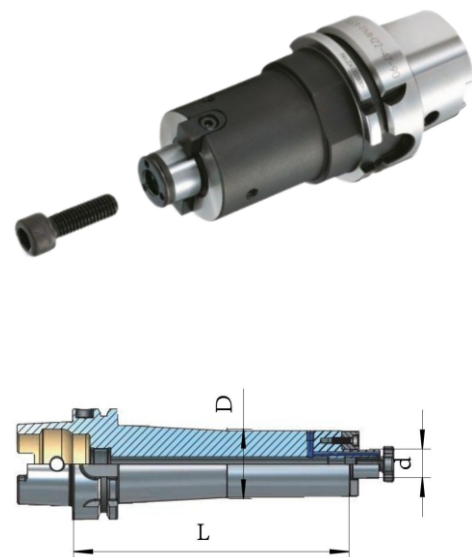


HSK-A FMB 面铣刀柄

HSK-A FMB FACE MILLING HOLDER



订单号/Order No.	型号/Model	d	D	L	KG
990141.32A1645	HSK32A-FMB16-45	16	38	45	0.6
990141.32A2250	HSK32A-FMB22-50	22	48	50	0.7
990141.40A2250	HSK40A-FMB22-50	22	48	50	0.8
990141.40A2760	HSK40A-FMB27-60	27	58	60	1
990141.40A3260	HSK40A-FMB32-60	32	70	60	1.2
990141.50A1660	HSK50A-FMB16-60	16	38	60	1.1
990141.50A2260	HSK50A-FMB22-60	22	48	60	1
990141.50A2760	HSK50A-FMB27-60	27	58	60	1.3
990141.50A3260	HSK50A-FMB32-60	32	70	60	1.5
990141.63A1660	HSK63A-FMB16-60	16	38	60	1.2
990141.63A2260	HSK63A-FMB22-60	22	48	60	1.3
990141.63A2760	HSK63A-FMB27-60	27	58	60	1.3
990141.63A3260	HSK63A-FMB32-60	32	70	60	2.2
990141.63A4060	HSK63A-FMB40-60	40	80	60	2.8
990141.63A16100	HSK63A-FMB16-100	16	38	100	1.3
990141.63A22100	HSK63A-FMB22-100	22	48	100	1.4
990141.63A27100	HSK63A-FMB27-100	27	58	100	1.5
990141.63A32100	HSK63A-FMB32-100	32	70	100	3.2
990141.63A40100	HSK63A-FMB40-100	40	80	100	3.6
990141.63A16160	HSK63A-FMB16-160	16	38	160	2.5
990141.63A22160	HSK63A-FMB22-160	22	48	160	2.6
990141.63A27160	HSK63A-FMB27-160	27	58	160	3
990141.63A32160	HSK63A-FMB32-160	32	70	160	4.5
990141.63A40160	HSK63A-FMB40-160	40	80	160	4.8
990141.100A2270	HSK100A-FMB22-70	22	48	70	3
990141.100A2770	HSK100A-FMB27-70	27	58	70	3
990141.100A3260	HSK100A-FMB32-60	32	70	60	3.6
990141.100A4060	HSK100A-FMB40-60	40	80	60	4.2
990141.100A6070	HSK100A-FMB60-70	60	129	70	5.2
990141.100A22100	HSK100A-FMB22-100	22	48	100	3.4
990141.100A27100	HSK100A-FMB27-100	27	58	100	3.5
990141.100A32100	HSK100A-FMB32-100	32	70	100	4.5
990141.100A40100	HSK100A-FMB40-100	40	80	100	5.4
990141.100A60100	HSK100A-FMB60-100	60	138	100	6.5
990141.100A22160	HSK100A-FMB22-160	22	48	160	5.8
990141.100A27160	HSK100A-FMB27-160	27	58	160	6
990141.100A32160	HSK100A-FMB32-160	32	70	160	6.8
990141.100A40160	HSK100A-FMB40-160	40	80	160	7.2
990141.100A60160	HSK100A-FMB60-160	60	138	160	10.8

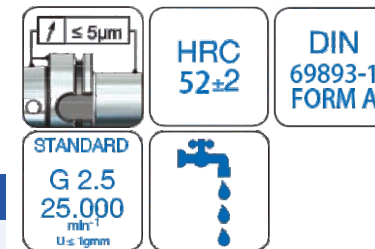


产品配件

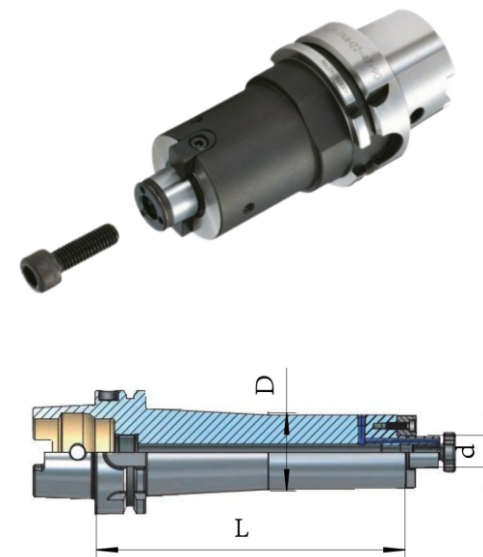


HSK-A FMA 英制面铣刀柄

HSK-A FMA INCH FACE MILLING HOLDER



订单号/Order No.	型号/Model	d	D	L	KG
990140.50A25460	HSK50A-FMA25.4-60	25.4	50	60	1.3
990140.50A317560	HSK50A-FMA31.75-60	31.75	60	60	1.8
990140.50A38160	HSK50A-FMA38.1-60	38.1	73	60	2.6
990140.63A25.460	HSK63A-FMA25.4-60	25.4	50	60	1.5
990140.63A317560	HSK63A-FMA31.75-60	31.75	60	60	2.1
990140.63A38160	HSK63A-FMA38.1-60	38.1	73	60	2.9
990140.63A25.4100	HSK63A-FMA25.4-100	25.4	50	100	2.2
990140.63A3175100	HSK63A-FMA31.75-100	31.75	60	100	2.5
990140.63A381100	HSK63A-FMA38.1-100	38.1	73	100	2.7
990140.63A25.4150	HSK63A-FMA25.4-150	25.4	50	150	2.9
990140.63A3175150	HSK63A-FMA31.75-150	31.75	60	150	3.4
990140.63A381150	HSK63A-FMA38.1-150	38.1	73	150	3.8
990140.63A25.4200	HSK63A-FMA25.4-200	25.4	50	200	3.7
990140.63A3175200	HSK63A-FMA31.75-200	31.75	60	200	4.2
990140.63A381200	HSK63A-FMA38.1-200	38.1	73	200	4.6
990140.80A25160	HSK80A-FMA25.4-60	25.4	50	60	2.5
990140.80A317560	HSK80A-FMA31.75-60	31.75	60	60	2.9
990140.80A38160	HSK80A-FMA38.1-60	38.1	75	60	3.5
990140.80A254100	HSK80A-FMA25.4-100	25.4	50	100	3.2
990140.80A3175100	HSK80A-FMA31.75-100	31.75	60	100	3.7
990140.80A381100	HSK80A-FMA38.1-100	38.1	75	100	4.9
990140.100A25460	HSK100A-FMA25.4-60	25.4	50	60	2.8
990140.100A317560	HSK100A-FMA31.75-60	31.75	60	60	3.2
990140.100A38160	HSK100A-FMA38.1-60	38.1	75	60	3.8
990140.100A50870	HSK100A-FMA50.8-70	50.8	98	70	4.7
990140.100A254100	HSK100A-FMA25.4-100	25.4	50	100	3.5
990140.100A3175100	HSK100A-FMA31.75-100	31.75	60	100	4
990140.100A381100	HSK100A-FMA38.1-100	38.1	75	100	5.2
990140.100A508100	HSK100A-FMA50.8-100	50.8	98	100	6.2
990140.100A254150	HSK100A-FMA25.4-150	25.4	50	150	4.3
990140.100A3175150	HSK100A-FMA31.75-150	31.75	60	150	5.5
990140.100A381150	HSK100A-FMA38.1-150	38.1	75	150	6.9
990140.100A254200	HSK100A-FMA25.4-200	25.4	50	200	5
990140.100A3175200	HSK100A-FMA31.75-200	31.75	60	200	6.3
990140.100A381200	HSK100A-FMA38.1-200	38.1	75	200	8.6
990140.100A254250	HSK100A-FMA25.4-250	25.4	50	250	6.2
990140.100A3175250	HSK100A-FMA31.75-250	31.75	60	250	7.5
990140.100A381250	HSK100A-FMA38.1-250	38.1	75	250	9.8
990140.100A254300	HSK100A-FMA25.4-300	25.4	50	300	7.4
990140.100A3175300	HSK100A-FMA31.75-300	31.75	60	300	10.2

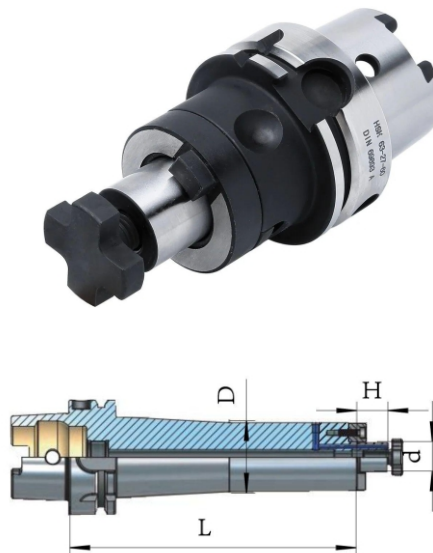
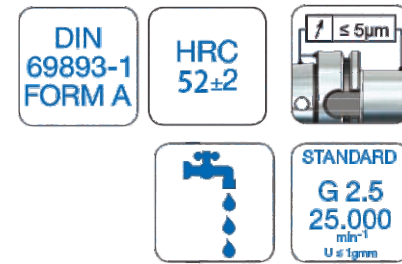


产品配件



HSK-A SEMC 混插式面铣刀柄

HSK-A SEMC COMBI SHELL MILL HOLDER



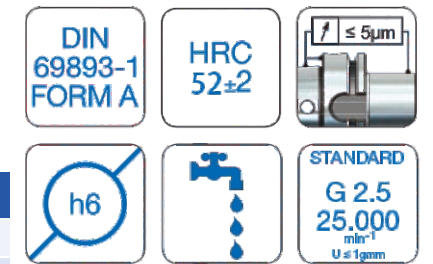
订单号/Order No.	型号/Model	d	D	L	H	KG
990138.32A1655	HSK32A-SEMC16-55	16	32	55	17	0.35
990138.32A2255	HSK32A-SEMC22-55	22	40	55	19	0.45
990138.32A2765	HSK32A-SEMC27-65	27	48	65	21	0.7
990138.32A3265	HSK32A-SEMC32-65	32	58	65	24	1.2
990138.40A1650	HSK40A-SEMC16-50	16	32	50	17	0.42
990138.40A2250	HSK40A-SEMC22-50	22	40	50	19	0.52
990138.40A2765	HSK40A-SEMC27-65	27	48	65	21	0.82
990138.40A3265	HSK40A-SEMC32-65	32	58	65	24	1.5
990138.50A1650	HSK50A-SEMC16-50	16	32	50	17	0.6
990138.50A2250	HSK50A-SEMC22-50	22	40	50	19	0.7
990138.50A2765	HSK50A-SEMC27-65	27	48	65	21	1
990138.50A3265	HSK50A-SEMC32-65	32	58	65	24	1.3
990138.63A1660	HSK63A-SEMC16-60	16	32	60	17	0.9
990138.63A2260	HSK63A-SEMC22-60	22	40	60	19	1.1
990138.63A2760	HSK63A-SEMC27-60	27	48	60	21	1.3
990138.63A3260	HSK63A-SEMC32-60	32	58	60	24	1.5
990138.63A4070	HSK63A-SEMC40-70	40	70	70	27	2.1
990138.63A16100	HSK63A-SEMC16-100	16	32	100	17	1.2
990138.63A22100	HSK63A-SEMC22-100	22	40	100	19	1.5
990138.63A27100	HSK63A-SEMC27-100	27	48	100	21	1.8
990138.63A32100	HSK63A-SEMC32-100	32	58	100	24	2.3
990138.100A1660	HSK100A-SEMC16-60	16	32	60	17	2.3
990138.100A2260	HSK100A-SEMC22-60	22	40	60	19	2.4
990138.100A2760	HSK100A-SEMC27-60	27	48	60	21	2.5
990138.100A3260	HSK100A-SEMC32-60	32	58	60	24	2.8
990138.100A4070	HSK100A-SEMC40-70	40	70	70	27	3.5

产品配件

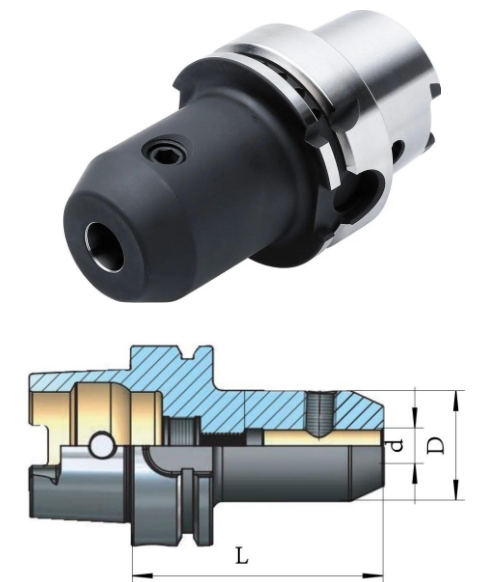


HSK-A SLA 侧固刀柄

HSK-A SLA END MILLING HOLDER



订单号/Order No.	型号/Model	d	D	L	KG
990136.32A0860	HSK32A-SLA08-60	8	28	60	0.4
990136.32A1065	HSK32A-SLA10-65	10	35	65	0.45
990136.32A1270	HSK32A-SLA12-70	12	42	70	0.7
990136.32A1475	HSK32A-SLA14-75	14	44	75	0.75
990136.32A1675	HSK32A-SLA16-75	16	48	75	0.85
990136.32A2090	HSK32A-SLA20-90	20	52	90	1.2
990136.40A0660	HSK40A-SLA06-60	6	25	60	0.4
990136.40A0860	HSK40A-SLA08-60	8	28	60	0.45
990136.40A1060	HSK40A-SLA10-60	10	35	60	0.5
990136.40A1270	HSK40A-SLA12-70	12	42	70	0.75
990136.40A1475	HSK40A-SLA14-75	14	44	75	0.8
990136.40A1675	HSK40A-SLA16-75	16	48	75	0.9
990136.40A1885	HSK40A-SLA18-85	18	50	85	1.1
990136.40A2085	HSK40A-SLA20-85	20	52	85	1.3
990136.40A2595	HSK40A-SLA25-95	25	63	95	1.85
990136.40A32105	HSK40A-SLA32-105	32	60	105	2.5
990136.50A0665	HSK50A-SLA06-65	6	25	65	0.6
990136.50A0865	HSK50A-SLA08-65	8	28	65	0.65
990136.50A1065	HSK50A-SLA10-65	10	35	65	0.7
990136.50A1280	HSK50A-SLA12-80	12	42	80	0.9
990136.50A1480	HSK50A-SLA14-80	14	44	80	1.1
990136.50A1480	HSK50A-SLA16-80	16	48	80	1.3
990136.50A1880	HSK50A-SLA18-80	18	50	80	1.3
990136.50A2080	HSK50A-SLA20-80	20	52	80	1.4
990136.50A25110	HSK50A-SLA25-110	25	63	110	2
990136.50A32110	HSK50A-SLA32-110	32	60	110	2.5
990136.63A0665	HSK63A-SLA06-65	6	25	65	0.75
990136.63A0865	HSK63A-SLA08-65	8	28	65	0.8
990136.63A1065	HSK63A-SLA10-65	10	35	65	0.95
990136.63A1280	HSK63A-SLA12-80	12	42	80	1.2
990136.63A1480	HSK63A-SLA14-80	14	44	80	1.3
990136.63A1680	HSK63A-SLA16-80	16	48	80	1.5
990136.63A2080	HSK63A-SLA20-80	20	52	80	1.6
990136.63A25110	HSK63A-SLA25-110	25	63	110	2.3
990136.63A32110	HSK63A-SLA32-110	32	72	110	2.6
990136.63A40125	HSK63A-SLA40-125	40	80	125	3.5

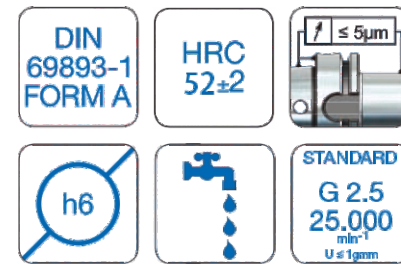


产品配件



HSK-A SLA 侧固刀柄

HSK-A SLA END MILLING HOLDER



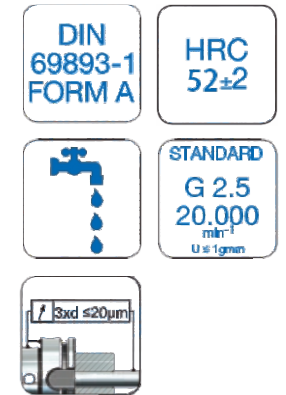
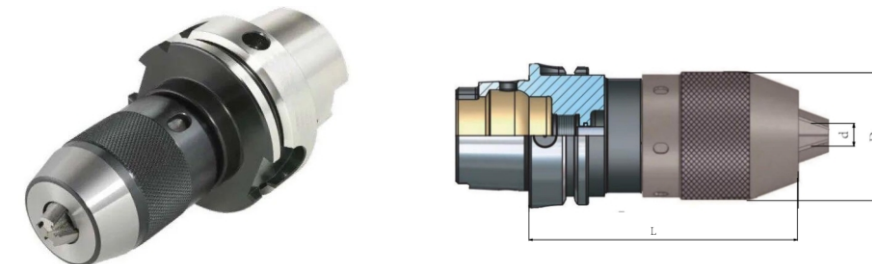
产品配件



订单号/Order No.	型号/Model	d	D	L	KG
990136.63A06100	HSK63A-SLA06-100	6	25	100	1.2
990136.63A08100	HSK63A-SLA08-100	8	28	100	1.3
990136.63A10100	HSK63A-SLA10-100	10	35	100	1.45
990136.63A14100	HSK63A-SLA14-100	14	44	100	1.5
990136.63A16100	HSK63A-SLA16-100	16	48	100	1.65
990136.63A18100	HSK63A-SLA18-100	18	50	100	1.85
990136.63A20100	HSK63A-SLA20-100	20	52	100	1.85
990136.63A06150	HSK63A-SLA06-150	6	25	150	1.9
990136.63A08150	HSK63A-SLA08-150	8	28	150	2.1
990136.63A10150	HSK63A-SLA10-150	10	35	150	2.2
990136.63A12150	HSK63A-SLA12-150	12	42	150	2.5
990136.63A14150	HSK63A-SLA14-150	14	44	150	2.65
990136.63A16150	HSK63A-SLA16-150	16	48	150	2.8
990136.63A18150	HSK63A-SLA18-150	18	50	150	2.9
990136.63A20150	HSK63A-SLA20-150	20	52	150	3.1
990136.63A25150	HSK63A-SLA25-150	25	63	150	3.3
990136.63A32150	HSK63A-SLA32-150	32	80	150	3.6
990136.100A0880	HSK100A-SLA08-80	8	28	80	2.3
990136.100A1080	HSK100A-SLA10-80	10	35	80	2.4
990136.100A1280	HSK100A-SLA12-80	12	42	80	2.5
990136.100A1480	HSK100A-SLA14-80	14	44	80	2.6
990136.100A16100	HSK100A-SLA16-100	16	48	100	2.9
990136.100A18100	HSK100A-SLA18-100	18	50	100	3
990136.100A20100	HSK100A-SLA20-100	20	52	100	3.1
990136.100A25100	HSK100A-SLA25-100	25	63	100	3.6
990136.100A32100	HSK100A-SLA32-100	32	72	100	4.3
990136.100A40120	HSK100A-SLA40-120	40	80	120	4.7
990136.100A08150	HSK100A-SLA08-150	8	28	150	3.8
990136.100A10150	HSK100A-SLA10-150	10	35	150	3.9
990136.100A12150	HSK100A-SLA12-150	12	42	150	4.2
990136.100A14150	HSK100A-SLA14-150	14	44	150	4.3
990136.100A16150	HSK100A-SLA16-150	16	48	150	4.8
990136.100A20150	HSK100A-SLA20-150	20	52	150	5
990136.100A25150	HSK100A-SLA25-150	25	63	150	5.6
990136.100A32150	HSK100A-SLA32-150	32	72	150	6.2
990136.100A40150	HSK100A-SLA40-150	40	80	150	6.9

HSK-A APU 钻夹头刀柄

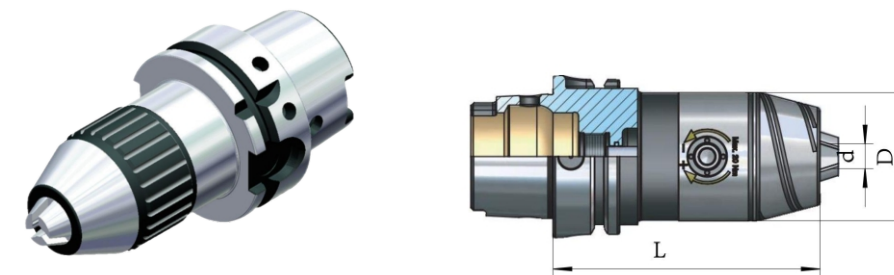
HSK-A APU DRILL CHUCK



订单号/Order No.	型号/Model	d	D	L	KG
990134.50A08120	HSK50A-APU08-120	1-8	38	120	1.7
990134.50A13135	HSK50A-APU13-135	1-13	48	135	2.4
990134.50A16140	HSK50A-APU16-140	3-16	53	140	2.6
990134.63A08120	HSK63A-APU08-120	1-8	38	120	1.8
990134.63A13150	HSK63A-APU13-150	1-13	48	150	2.8
990134.63A16155	HSK63A-APU16-155	3-16	53	155	3
990134.100A13155	HSK100A-APU13-155	1-13	48	155	4.5
990134.100A16160	HSK100A-APU16-160	3-16	53	160	5.1

HSK-A CPU 高精钻夹头刀柄

HSK-A CPU HIGH PRECISION DRILL CHUCK



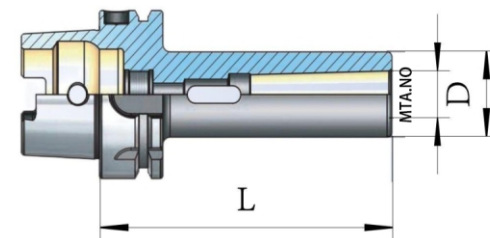
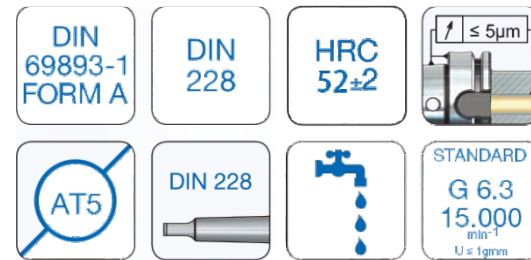
产品配件



订单号/Order No.	型号/Model	d	D	L	KG
990135.50A13115	HSK50A-CPU13-115	1-13	50	115	1.5
990135.50A16125	HSK50A-CPU16-125	3-16	57	125	1.8
990135.63A13105	HSK63A-CPU13-105	1-13	50	105	1.6
990135.63A16110	HSK63A-CPU16-110	3-16	57	110	1.9
990135.63A13105C	HSK63A-CPU13-105C	1-13	50	105	1.6
990135.63A16110C	HSK63A-CPU16-110C	3-16	57	110	1.8
990135.80A13110	HSK80A-CPU13-110	1-13	50	110	2.3
990135.80A16115	HSK80A-CPU16-115	3-16	57	115	2.5
990135.100A13110	HSK100A-CPU13-110	1-13	50	110	3
990135.100A16115	HSK100A-CPU16-115	3-16	57	115	3.3
990135.100A13110C	HSK100A-CPU13-110C	1-13	50	110	3
990135.100A16115C	HSK100A-CPU16-115C	3-16	57	115	3.3

HSK-A MTA 莫氏刀柄

HSK-A MTA MORSE TAPER ADAPTER



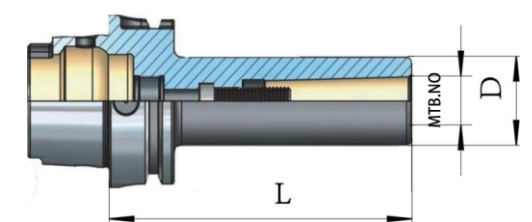
订单号/Order No.	型号/Model	MT.NO	D	L	KG
990122.50A01100	HSK50A-MTA1-100	1	25	100	0.6
990122.50A02120	HSK50A-MTA2-120	2	32	120	0.85
990122.50A03140	HSK50A-MTA3-140	3	40	140	1.2
990122.63A01100	HSK63A-MTA1-100	1	25	100	0.86
990122.63A02120	HSK63A-MTA2-120	2	32	120	1.1
990122.63A03140	HSK63A-MTA3-140	3	40	140	1.45
990122.63A04160	HSK63A-MTA4-160	4	48	160	1.85
990122.80A01110	HSK80A-MTA1-110	1	25	110	1.34
990122.80A02120	HSK80A-MTA2-120	2	32	120	1.52
990122.80A03150	HSK80A-MTA3-150	3	40	150	2
990122.80A04170	HSK80A-MTA4-170	4	48	170	2.5
990122.100A01110	HSK100A-MTA1-110	1	25	110	2.4
990122.100A02120	HSK100A-MTA2-120	2	32	120	2.5
990122.100A03150	HSK100A-MTA3-150	3	40	150	2.9
990122.100A04170	HSK100A-MTA4-170	4	48	170	3.4
990122.100A05200	HSK100A-MTA5-200	5	63	200	4.5

产品配件



HSK-A MTB 莫氏刀柄

HSK-A MTB MORSE TAPER ADAPTER



订单号/Order No.	型号/Model	MT.NO	D	L	KG
990121.50A01100	HSK50A-MTB1-100	1	25	100	0.6
990121.50A02120	HSK50A-MTB2-120	2	32	120	0.85
990121.50A03140	HSK50A-MTB3-140	3	40	140	1.2
990121.63A01100	HSK63A-MTB1-100	1	25	100	0.86
990121.63A02120	HSK63A-MTB2-120	2	32	120	1.1
990121.63A03140	HSK63A-MTB3-140	3	40	140	1.45
990121.63A04160	HSK63A-MTB4-160	4	48	160	1.85
990121.80A01110	HSK80A-MTB1-110	1	25	110	1.34
990121.80A02120	HSK80A-MTB2-120	2	32	120	1.52
990121.80A03150	HSK80A-MTB3-150	3	40	150	2
990121.80A04170	HSK80A-MTB4-170	4	48	170	2.5
990121.100A01110	HSK100A-MTB1-110	1	25	110	2.4
990121.100A02120	HSK100A-MTB2-120	2	32	120	2.5
990121.100A03150	HSK100A-MTB3-150	3	40	150	2.9
990121.100A04170	HSK100A-MTB4-170	4	48	170	3.4
990121.100A05200	HSK100A-MTB5-200	5	63	200	4.5

产品配件



HSK-A TC同步丝锥刀柄

HSK-A TC TAPPING CHUCK



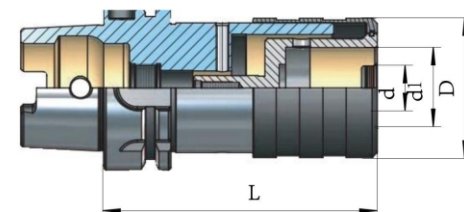
订单号/Order No.	型号/Model	d	D	L	KG
990130.50A312120	HSK50A-TC312-120	M3-M19	36	120	0.8
990130.50A820150	HSK50A-TC820-150	M6-M31	53	150	1.6
990130.63A312120	HSK63A-TC312-120	M3-M19	36	120	1.7
990130.63A820140	HSK63A-TC820-140	M6-M31	53	140	2.4
990130.100A312125	HSK100A-TC312-125	M3-M19	36	120	4.3
990130.100A820150	HSK100A-TC820-150	M6-M31	53	150	5.6
990130.100A1433167	HSK100A-TC1433-167	M24-M48	78	167	9.8



HSK-A GT 同步丝锥刀柄

HSK-A GT TAPPING CHUCK

订单号/Order No.	型号/Model	d	d1	D	L	KG
990131.50A12120	HSK50A-GT12-120	M3-M16	19	45	120	0.8
990131.50A24150	HSK50A-GT24-150	M5-M30	31	63	150	1.6
990131.63A12120	HSK63A-GT12-120	M3-M16	19	45	120	1.7
990131.63A24140	HSK63A-GT24-140	M5-M30	31	63	140	2.4
990131.100A12125	HSK100A-GT12-125	M3-M16	19	45	125	4.3
990131.100A24150	HSK100A-GT24-150	M5-M30	31	63	150	5.6
990131.100A42167	HSK100A-GT42-167	M24-M42	48	98	167	9.8



产品配件

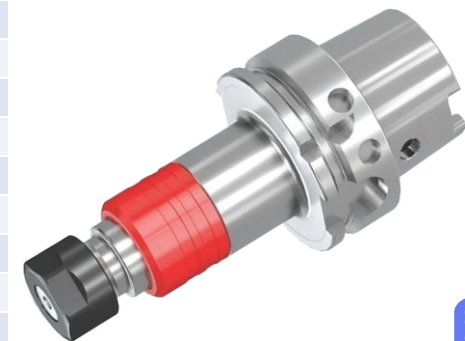


HSK-A TER 刚性攻丝刀柄

HSK-A TER RIGID TAPPING CHUCK



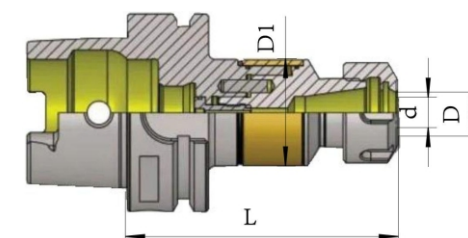
订单号/Order No.	型号/Model	d	D	D1	L	Collet	KG
990133.63A16120	HSK63A-TER16-120	2-12	16	28	120	ERG16	1.7
990133.63A20120	HSK63A-TER20-120	2-16	20	34	120	ERG20	1.8
990133.63A25120	HSK63A-TER25-120	2-20	25	42	120	ERG25	2.1
990133.63A32125	HSK63A-TER32-125	2-27	32	50	125	ERG32	2.5
990133.63A40130	HSK63A-TER40-130	2-30	40	50	130	ERG40	2.8
990133.100A16130	HSK100A-TER16-130	2-12	16	28	130	ERG16	4
990133.100A20130	HSK100A-TER20-130	2-16	20	34	130	ERG20	4.3
990133.100A25130	HSK100A-TER25-130	2-20	25	42	130	ERG25	4.5
990133.100A32135	HSK100A-TER32-135	2-27	32	50	135	ERG32	4.8
990133.100A40140	HSK100A-TER40-140	2-30	40	50	140	ERG40	5.2



HSK-A VER 刚性攻丝刀柄

HSK-A VER RIGID TAPPING CHUCK

订单号/Order No.	型号/Model	d	D	D1	L	Collet	KG
990132.63A16120	HSK63A-VER16-120	2-12	16	28	120	ERG16	1.7
990132.63A20120	HSK63A-VER20-120	2-16	20	34	120	ERG20	1.8
990132.63A25120	HSK63A-VER25-120	2-20	25	42	120	ERG25	2.1
990132.63A32125	HSK63A-VER32-125	2-27	32	50	125	ERG32	2.5
990132.63A40130	HSK63A-VER40-130	2-30	40	50	130	ERG40	2.8
990132.100A16130	HSK100A-VER16-130	2-12	16	28	130	ERG16	4
990132.100A20130	HSK100A-VER20-130	2-16	20	34	130	ERG20	4.3
990132.100A25130	HSK100A-VER25-130	2-20	25	42	130	ERG25	4.5
990132.100A32135	HSK100A-VER32-135	2-27	32	50	135	ERG32	4.8
990132.100A40140	HSK100A-VER40-140	2-30	40	50	140	ERG40	5.2

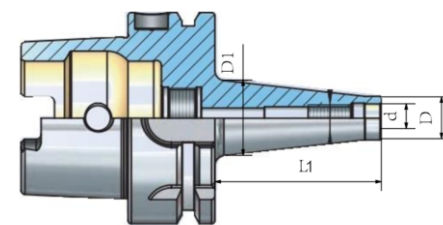
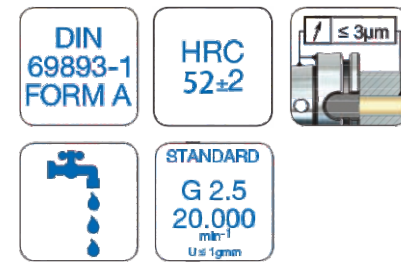


产品配件



HSK-A BOM 锥柄锁牙刀柄

HSK-A BOM THREADED CHUCK



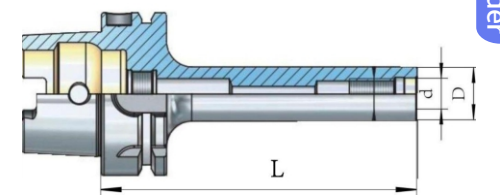
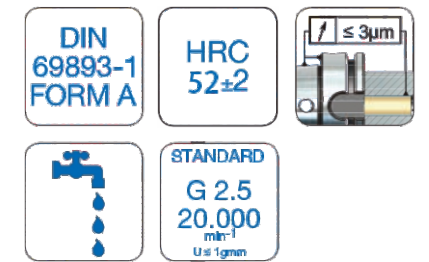
订单号/Order No.	型号/Model	d	D	D1	L1	KG
990129.63A0851	HAK63A-BOM08-51	8.5	14.5	15	25	0.7
990129.63A0876	HSK63A-BOM08-76	8.5	14.5	23	50	0.8
990129.63A08101	HSK63A-BOM08-101	8.5	14.5	23	75	0.85
990129.63A1051	HSK63A-BOM10-51	10.5	18	20	25	0.7
990129.63A1076	HSK63A-BOM10-76	10.5	18	23	50	0.75
990129.63A10126	HSK63A-BOM10-126	10.5	18	32	100	1
990129.63A10176	HSK63A-BOM10-176	10.5	18	36.5	150	1.3
990129.63A1251	HSK63A-BOM12-51	12.5	21	24	25	0.7
990129.63A1276	HSK63A-BOM12-76	12.5	21	34	50	0.8
990129.63A12101	HSK63A-BOM12-101	12.5	21	31	75	0.95
990129.63A12126	HSK63A-BOM12-126	12.5	21	33	100	1.1
990129.63A12176	HSK63A-BOM12-176	12.5	21	40	150	1.5
990129.63A1651	HSK63A-BOM16-51	17	29	29	25	0.75
990129.63A1676	HSK63A-BOM16-76	17	29	34	50	0.9
990129.63A16101	HSK63A-BOM16-101	17	29	34	75	0.9
990129.63A16126	HSK63A-BOM16-126	17	29	36	100	1.3
990129.63A16176	HSK63A-BOM16-176	17	29	42.5	150	1.8
990129.100A0879	HSK100A-BOM08-79	8.5	14.5	23	50	2.1
990129.100A1079	HSK100A-BOM10-79	10.5	18	23	50	2.3
990129.100A10129	HSK100A-BOM10-129	10.5	18	32	100	2.5
990129.100A10179	HSK100A-BOM10-179	10.5	18	36.5	150	2.7
990129.100A1279	HSK100A-BOM12-79	12.5	21	24	50	2.2
990129.100A12129	HSK100A-BOM12-129	12.5	21	33	100	2.5
990129.100A12179	HSK100A-BOM12-179	12.5	21	40	150	2.8
990129.100A1679	HSK100A-BOM16-79	17	29	34	50	2.4
990129.100A16129	HSK100A-BOM16-129	17	29	36	100	2.6
990129.100A16179	HSK100A-BOM16-179	17	29	42.5	150	3.1

产品配件



HSK-A M 直柄锁牙刀柄

HSK-A M THREADED CHUCK



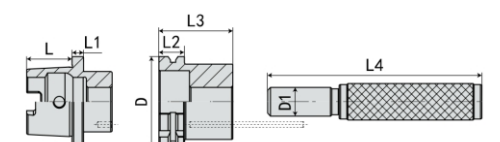
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990128.63A10126	HSK63A-M10-126	10.5	18	126	0.85
990128.63A10176	HSK63A-M10-176	10.5	18	176	0.9
990128.63A12101	HSK63A-M12-101	12.5	21	101	0.85
990128.63A12126	HSK63A-M12-126	12.5	21	126	0.9
990128.63A12176	HSK63A-M12-176	12.5	21	176	1.1
990128.63A16101	HSK63A-M16-101	17	29	101	1
990128.63A16126	HSK63A-M16-126	17	29	126	1.2
990128.63A16176	HSK63A-M16-176	17	29	176	1.4
990128.100A10129	HSK100A-M10-129	10.5	18	129	2.2
990128.100A10179	HSK100A-M10-179	10.5	18	179	2.4
990128.100A12126	HSK100A-M12-129	12.5	21	126	2.3
990128.100A12179	HSK100A-M12-179	12.5	21	179	2.5
990128.100A16129	HSK100A-M16-129	17	29	129	2.5
990128.100A16179	HSK100A-M16-179	17	29	179	2.8

产品配件



HSK-A ATC 校刀器

HSK-A ATC ALIGNMENT TOOL SET



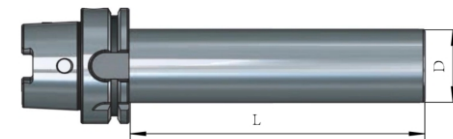
订单号/Order No.	型号/Model	D	D1	L	L1	L2	L3	KG
990124.50A25	HSK50A-ATC-25D	50	25	25	8	18	22	1.3
990124.63A30	HSK63A-ATC-30D	63	30	32	8	18	30	1.5
990124.80A35	HSK80A-ATC-35D	80	35	40	8	18	36	2.3
990124.100A40	HSK100A-ATC-40D	100	40	50	10	19	45	2.8

HSK-A 主轴检验棒

HSK-A TEST BAR



订单号/Order No.	型号/Model	D	L
990123.32A25180	HSK32A-25-180	25	180
990123.40A25180	HSK40A-25-180	25	180
990123.50A32200	HSK50A-32-200	32	200
990123.63A40300	HSK63A-40-300	40	300
990123.80A50300	HSK80A-50-300	50	300
990123.100A50300	HSK100A-50-300	50	300

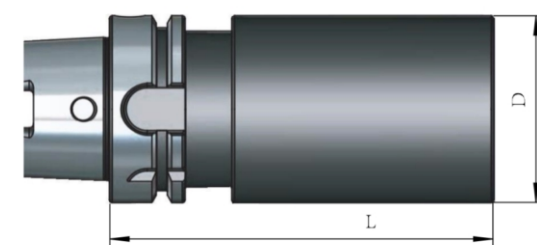


HSK-A 基础柄

HSK-A BASIC TOOL HOLDER



订单号/Order No.	型号/Model	D	L
990120.63A63100	HSK63A-D63-100	63	100
990120.63A63125	HSK63A-D63-125	63	125
990120.63A63150	HSK63A-D63-150	63	150
990120.63A63175	HSK63A-D63-175	63	175
990120.63A63200	HSK63A-D63-200	63	200
990120.63A63225	HSK63A-D63-225	63	225
990120.63A63250	HSK63A-D63-250	63	250
990120.63A63275	HSK63A-D63-275	63	275
990120.63A63300	HSK63A-D63-300	63	300
990120.63A63350	HSK63A-D63-350	63	350
990120.63A80100	HSK63A-D80-100	80	100
990120.63A80125	HSK63A-D80-125	80	125
990120.63A80150	HSK63A-D80-150	80	150
990120.63A80175	HSK63A-D80-175	80	175
990120.63A80200	HSK63A-D80-200	80	200
990120.63A80225	HSK63A-D80-225	80	225
990120.63A80250	HSK63A-D80-250	80	250
990120.63A80275	HSK63A-D80-275	80	275
990120.63A80300	HSK63A-D80-300	80	300

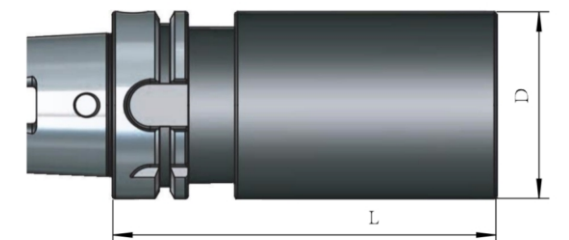


HSK-A 基础柄

HSK-A BASIC HOLDER



订单号/Order No.	型号/Model	D	L
990120.63A100100	HSK63A-D100-100	100	100
990120.63A125125	HSK63A-D100-125	125	125
990120.63A150150	HSK63A-D100-150	150	150
990120.63A175175	HSK63A-D100-175	175	175
990120.63A200200	HSK63A-D100-200	200	200
990120.63A225225	HSK63A-D100-225	225	225
990120.63A250250	HSK63A-D100-250	250	250
990120.63A275275	HSK63A-D100-275	275	275
990120.63A300300	HSK63A-D100-300	300	300
990120.63A120100	HSK63A-D120-100	120	100
990120.63A120125	HSK63A-D120-125	120	125
990120.63A120150	HSK63A-D120-150	120	150
990120.63A120175	HSK63A-D120-175	120	175
990120.63A120200	HSK63A-D120-200	120	200
990120.63A120225	HSK63A-D120-225	120	225
990120.63A120250	HSK63A-D120-250	120	250
990120.63A120275	HSK63A-D120-275	120	275
990120.63A155100	HSK63A-D155-100	155	100
990120.63A155125	HSK63A-D155-125	155	125
990120.63A155150	HSK63A-D155-150	155	150
990120.63A155175	HSK63A-D155-175	155	175
990120.63A155200	HSK63A-D155-200	155	200
990120.63A155225	HSK63A-D155-225	155	225
990120.63A155250	HSK63A-D155-250	155	250
990120.100A85100	HSK100A-D85-150	85	150
990120.100A85100	HSK100A-D85-175	85	175
990120.100A85100	HSK100A-D85-200	85	200
990120.100A85100	HSK100A-D85-225	85	225
990120.100A85100	HSK100A-D85-250	85	250
990120.100A85100	HSK100A-D85-275	85	275
990120.100A85100	HSK100A-D85-300	85	300
990120.100A100100	HSK100A-D100-100	100	100
990120.100A100125	HSK100A-D100-125	100	125
990120.100A100150	HSK100A-D100-150	100	150
990120.100A100175	HSK100A-D100-175	100	175
990120.100A100200	HSK100A-D100-200	100	200



HSK-A 基础柄

HSK-A BASIC HOLDER

DIN
69893-1
FORM A

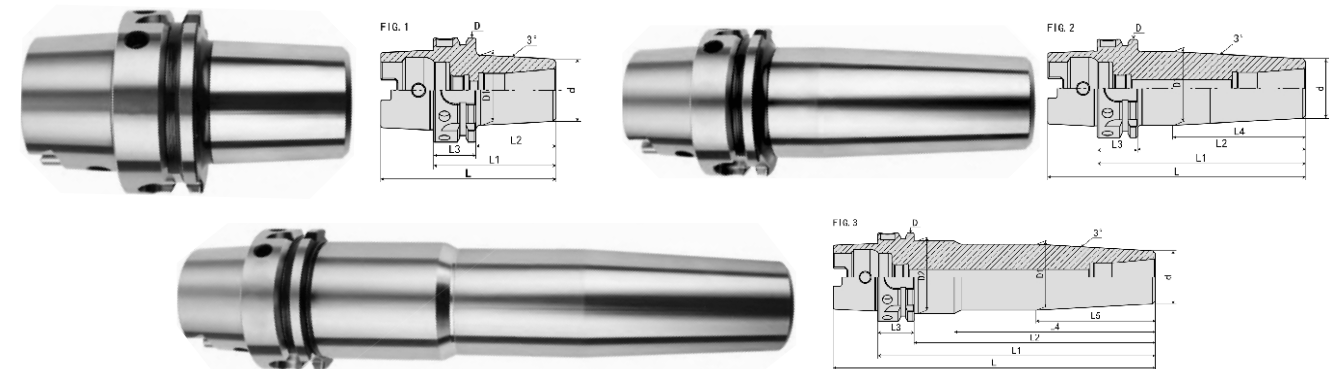
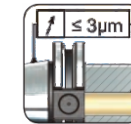
HRC
35±2

订单号/Order No.	型号/Model	D	L
990120.100A100225	HSK100A-D100-225	100	225
990120.100A100250	HSK100A-D100-250	100	250
990120.100A100275	HSK100A-D100-275	100	275
990120.100A100300	HSK100A-D100-300	100	300
990120.100A100350	HSK100A-D100-350	100	350
990120.100A120100	HSK100A-D120-100	120	100
990120.100A120125	HSK100A-D120-125	120	125
990120.100A120150	HSK100A-D120-150	120	150
990120.100A120175	HSK100A-D120-175	120	175
990120.100A120200	HSK100A-D120-200	120	200
990120.100A120225	HSK100A-D120-225	120	225
990120.100A120250	HSK100A-D120-250	120	250
990120.100A120275	HSK100A-D120-275	120	275
990120.100A120300	HSK100A-D120-300	120	300
990120.100A120350	HSK100A-D120-350	120	350
990120.100A155100	HSK100A-D155-100	155	100
990120.100A155125	HSK100A-D155-125	155	125
990120.100A155150	HSK100A-D155-150	155	150
990120.100A155175	HSK100A-D155-175	155	175
990120.100A155200	HSK100A-D155-200	155	200
990120.100A155225	HSK100A-D155-225	155	225
990120.100A155250	HSK100A-D155-250	155	250
990120.100A155275	HSK100A-D155-275	155	275
990120.100A155300	HSK100A-D155-300	155	300



HSK63A-SLK热缩基础柄

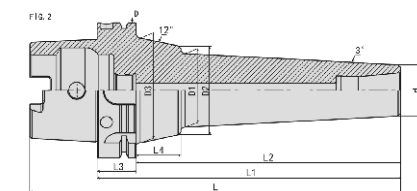
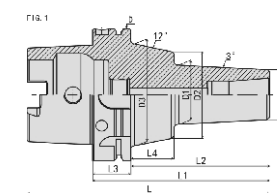
HSK63A-SLK SEMI-FINISHED SHRINK FIT



型号/Model	L	L1	L2	L3	L4	L5	D	D1	D2	d	FIG	KG
HSK63A-SLK12-75	107	75	49	26			63	42.5		38		1.2
HSK63A-SLK12-135	167	135	109	26	86		63	47		38	2	2
HSK63A-SLK12-165	197	165	139	26	86	-	63	47		38	2	2.4
HSK63A-SLK12-200	232	200	174	26	145	86	63	47	52	38	3	2.9
HSK63A-SLK12-225	257	225	199	26	145	86	63	47	52	38	3	3.2
HSK63A-SLK12-255	287	255	229	26	175	86	63	47	52	38	3	3.8
HSK63A-SLK12-285	317	285	259	26	205	86	63	47	52	38	3	4.5
HSK63A-SLK12-315	347	315	289	26	235	86	63	47	52	38	3	4.5

HSK100A-SLK热缩基础柄

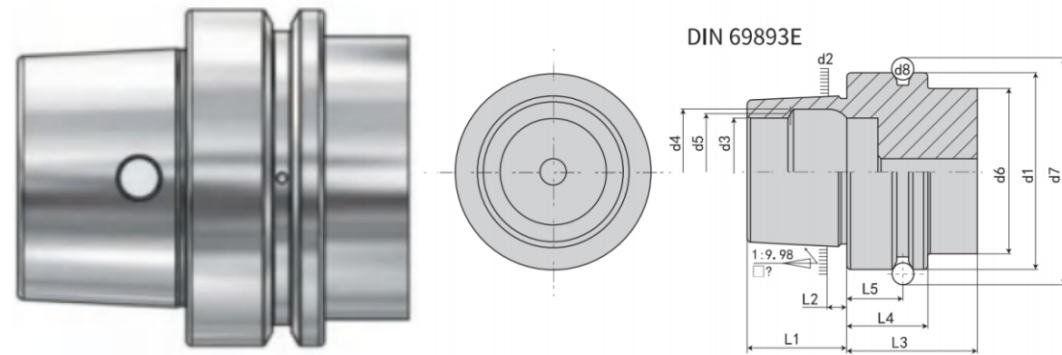
HSK100A-SLK SEMI-FINISHED SHRINK FIT



型号/Model	L	L1	L2	L3	L4	D	D1	D2	D3	d	FIG
HSK100A-SLK12-105	155	105	76	29	33	100	42	65	78	38	1
HSK100A-SLK12-135	185	135	106	29	33	100	45	65	78	38	1
HSK100A-SLK12-165	215	165	136	29	33	100	48	65	78	38	2
HSK100A-SLK12-225	275	225	196	29	33	100	55	65	78	38	2
HSK100A-SLK12-265	315	265	236	29	33	100	59	65	78	38	2
HSK100A-SLK12-315	365	315	286	29	33	100	65	65	78	38	2

HSK-E 数控刀柄 DIN 69893-E

HSK-E HOLDER



Model	d1	d2	d3	d4	d5	d6	d7	d8	L1	L2	L3	L4	L5
HSK25E	25	19.006	14	16.4	15	20	28.5	3	13	2.5	20	10	4.5
HSK32E	32	24.007	17	21	19	26	37	4	16	3.2	35	20	16
HSK40E	40	30.007	21	25.5	23	34	45	4	20	4	35	20	16
HSK50E	50	38.009	26	32	29	42	59.3	7	25	5	42	26	18
HSK63E	63	48.01	34	40	37	53	72.3	7	32	6.3	42	26	18

特点:

- ◎锥度精度:<AT3
- ◎基本材质:20CrMnTi/42CrMo
- ◎表面处理:工艺发蓝, 抛光
- ◎硬度:HRC56°渗碳深度>0.8mm
- ◎真圆度:<0.8μm
- ◎表面粗糙度:Ra<0.5μm
- ◎刀杆有预设标准动平衡G6.3,可另外指定精密动平衡G2.5
- ◎本体规范:DIN 69893-5

Features:

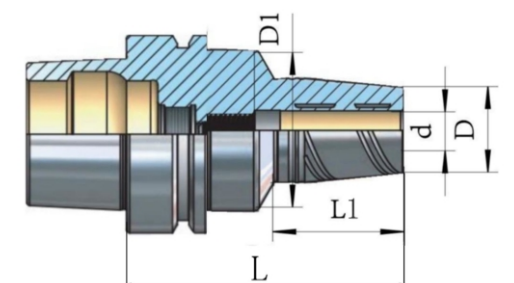
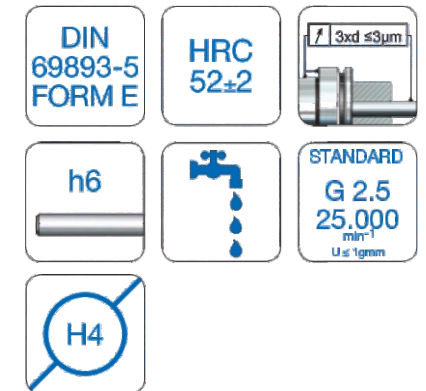
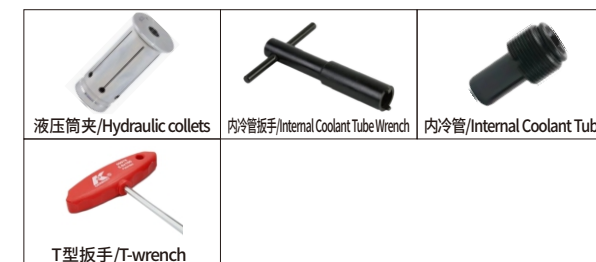
- ◎Taper tolerance<AT3.
- ◎Basic Material:20CrMnTi/42CrMo.
- ◎Surface Treatment:Anti-rust treatment;Polishing treatment
- ◎Hardness>HRC56°Carbon depth>0.8mm.
- ◎Roundness<0.8μm.
- ◎Surface roughness:Ra<0.5μm.
- ◎The shank has pre-balance at G6.3,and can provide percision balance at G2.5,made by request.
- ◎Shank body standard:DIN69893-5.

HSK-E PHC 液压刀柄

HSK-E PHC HYDRAULIC TOOL HOLDER

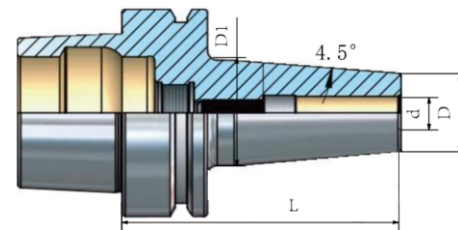
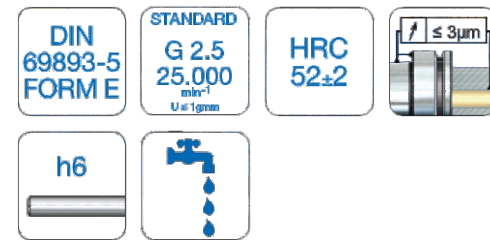
订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990150.32E0660	HSK32E-PHC06-60	6	15	26	60	33	0.45
990150.40E0670	HSK40E-PHC06-70	6	28	34	70	33	0.5
990150.40E0870	HSK40E-PHC08-70	8	30	34	70	33	0.5
990150.40E1075	HSK40E-PHC10-75	10	32	34	75	39	0.5
990150.40E1280	HSK40E-PHC12-80	12	34	34	80	39	0.52
990150.50E0670	HSK50E-PHC06-70	6	30	42	70	25.5	0.7
990150.50E0870	HSK50E-PHC08-70	8	32	42	70	26	0.71
990150.50E1080	HSK50E-PHC10-80	10	34	42	80	32.6	0.72
990150.50E1280	HSK50E-PHC12-85	12	36	42	85	40	0.85
990150.50E1690	HSK50E-PHC16-90	16	40	42	90	43	0.91
990150.50E2090	HSK50E-PHC20-90	20	42	42	90	43	0.91
990150.50E20120	HSK50E-PHC20-120	20	42	42	120	43	1.05
990150.63E1290	HSK63E-PHC12-90	12	32	42	90	44.5	1.5
990150.63E20100	HSK63E-PHC20-100	20	42	42	100	58	1.8

产品配件



HSK-E SF 4.5° 热缩刀柄

HSK-E SF SHRINK FIT CHUCK 4.5°



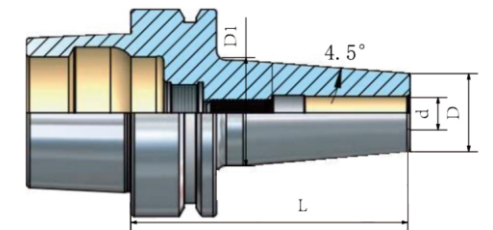
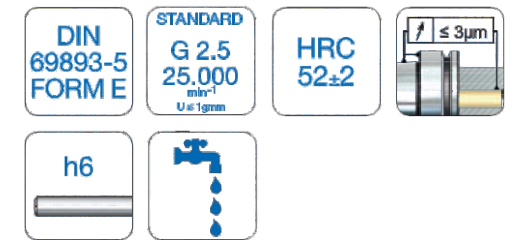
产品配件



订单号/Order No.	型号/Model	d	D	D1	L	KG
990148.32E0460	HSK32E-SF04-60	4	10	18	60	0.18
990148.32E0560	HSK32E-SF05-60	5	11	18	60	0.18
990148.32E0670	HSK32E-SF06-70	6	21	26	70	0.3
990148.32E0870	HSK32E-SF08-70	8	21	26	70	0.3
990148.32E1070	HSK32E-SF10-70	10	24	29	70	0.34
990148.32E1280	HSK32E-SF12-80	12	24	29	80	0.34
990148.40E0360	HSK40E-SF03-60	3	9	16	60	0.24
990148.40E03120	HSK40E-SF03-120	3	9	16	120	0.33
990148.40E03160	HSK40E-SF03-160	3	9	16	160	0.4
990148.40E0460	HSK40E-SF04-60	4	10	18	60	0.3
990148.40E04120	HSK40E-SF04-120	4	10	20	120	0.4
990148.40E04160	HSK40E-SF04-160	4	10	20	160	0.5
990148.40E0560	HSK40E-SF05-60	5	11	18	60	0.3
990148.40E05120	HSK40E-SF05-120	5	11	22	120	0.42
990148.40E05160	HSK40E-SF05-160	5	11	22	160	0.55
990148.40E0680	HSK40E-SF06-80	6	21	27	80	0.45
990148.40E06120	HSK40E-SF06-120	6	21	27	120	0.6
990148.40E06160	HSK40E-SF06-160	6	21	27	160	0.8
990148.40E0880	HSK40E-SF08-80	8	21	27	80	0.45
990148.40E08120	HSK40E-SF08-120	8	21	27	120	0.6
990148.40E08160	HSK40E-SF08-160	8	21	27	160	0.8
990148.40E1080	HSK40E-SF10-80	10	24	32	80	0.5
990148.40E10120	HSK40E-SF10-120	10	24	32	120	0.75
990148.40E10160	HSK40E-SF10-160	10	24	32	160	1
990148.40E1290	HSK40E-SF12-90	12	24	32	90	0.55
990148.40E12120	HSK40E-SF12-120	12	24	32	120	0.72
990148.40E12160	HSK40E-SF12-160	12	24	32	160	1
990148.40E1490	HSK40E-SF14-90	14	27	34	90	0.6
990148.40E14120	HSK40E-SF14-120	14	27	34	120	0.8
990148.40E14160	HSK40E-SF14-160	14	27	34	160	1.1
990148.40E1690	HSK40E-SF16-90	16	27	34	90	0.6
990148.40E16120	HSK40E-SF16-120	16	27	34	120	0.8
990148.40E16160	HSK40E-SF16-160	16	27	34	160	1.1
990148.50E0380	HSK50E-SF03-80	3	9	16	80	0.5
990148.50E03120	HSK50E-SF03-120	3	9	16	120	0.53
990148.50E03160	HSK50E-SF03-160	3	9	16	160	0.6
990148.50E0480	HSK50E-SF04-80	4	10	18	80	0.5
990148.50E04120	HSK50E-SF04-120	4	10	18	120	0.6
990148.50E04160	HSK50E-SF04-160	4	10	18	160	0.7
990148.50E0580	HSK50E-SF05-80	5	11	20.5	80	0.5

HSK-E SF 4.5° 热缩刀柄

HSK-E SF SHRINK FIT CHUCK 4.5°



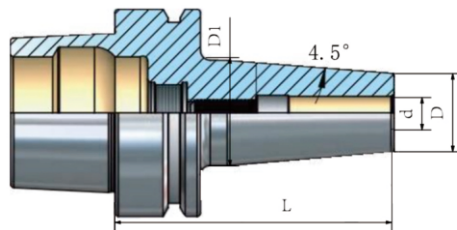
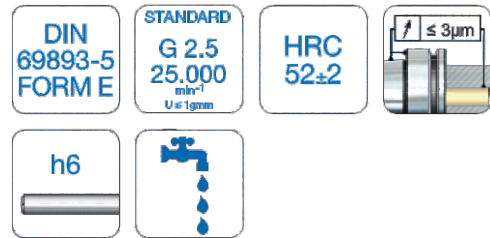
产品配件



订单号/Order No.	型号/Model	d	D	D1	L	KG
990148.50E05120	HSK50E-SF05-120	5	11	22	120	0.6
990148.50E05160	HSK50E-SF05-160	5	11	22	160	0.72
990148.50E0680	HSK50E-SF06-80	6	21	27	80	0.65
990148.50E06120	HSK50E-SF06-120	6	21	27	120	0.8
990148.50E06160	HSK50E-SF06-160	6	21	27	160	0.95
990148.50E0880	HSK50E-SF08-80	8	21	27	80	0.6
990148.50E08120	HSK50E-SF08-120	8	21	27	120	0.8
990148.50E08160	HSK50E-SF08-160	8	21	27	160	0.95
990148.50E10380	HSK50E-SF10-80	10	24	32	80	0.7
990148.50E10120	HSK50E-SF10-120	10	24	32	120	0.9
990148.50E10160	HSK50E-SF10-160	10	24	32	160	1.2
990148.50E1290	HSK50E-SF12-90	12	24	32	90	0.7
990148.50E12120	HSK50E-SF12-120	12	24	32	120	0.9
990148.50E12160	HSK50E-SF12-160	12	24	32	160	1.2
990148.50E1490	HSK50E-SF14-90	14	27	34	90	0.8
990148.50E14120	HSK50E-SF14-120	14	27	34	120	0.95
990148.50E14160	HSK50E-SF14-160	14	27	34	160	1.3
990148.50E1695	HSK50E-SF16-95	16	27	34	95	0.8
990148.50E16120	HSK50E-SF16-120	16	27	34	120	0.95
990148.50E16160	HSK50E-SF16-160	16	27	34	160	1.3
990148.50E1880	HSK50E-SF18-95	18	33	42	95	1
990148.50E18120	HSK50E-SF18-120	18	33	42	120	1.3
990148.50E18160	HSK50E-SF18-160	18	33	42	160	1.6
990148.50E20100	HSK50E-SF20-100	20	33	42	100	1
990148.50E20120	HSK50E-SF20-120	20	33	42	120	1.3
990148.50E20160	HSK50E-SF20-160	20	33	42	160	1.6
990148.63E0380	HSK63E-SF03-80	3	9	16	80	0.75
990148.63E03120	HSK63E-SF03-120	3	9	16	120	0.8
990148.63E03160	HSK63E-SF03-160	3	9	16	160	0.9
990148.63E0480	HSK63E-SF04-80	4	10	20	80	0.8
990148.63E04120	HSK63E-SF04-120	4	10	20	120	0.9
990148.63E04160	HSK63E-SF04-160	4	10	20	160	1
990148.63E0580	HSK63E-SF05-80	5	11	20.5	80	0.8
990148.63E05120	HSK63E-SF05-120	5	11	22	120	0.9
990148.63E05160	HSK63E-SF05-160	5	11	22	160	1
990148.63E0680	HSK63E-SF06-80	6	21	27	80	0.9
990148.63E06120	HSK63E-SF06-120	6	21	27	120	1.1
990148.63E06160	HSK63E-SF06-160	6	21	27	160	1.3

HSK-E SF 4.5° 热缩刀柄

HSK-E SF SHRINK FIT CHUCK 4.5°



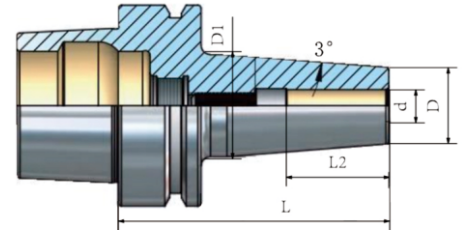
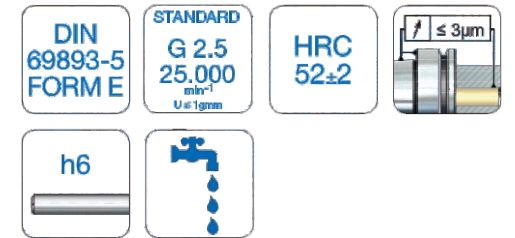
订单号/Order No.	型号/Model	d	D	D1	L	KG
990148.63E0880	HSK63E-SF08-80	8	21	27	80	0.9
990148.63E08120	HSK63E-SF08-120	8	21	27	120	1.1
990148.63E08160	HSK63E-SF08-160	8	21	27	160	1.3
990148.63E1085	HSK63E-SF10-85	10	24	32	80	1
990148.63E10120	HSK63E-SF10-120	10	24	32	120	1.2
990148.63E10160	HSK63E-SF10-160	10	24	32	160	1.4
990148.63E1290	HSK63E-SF12-90	12	24	32	90	1
990148.63E12120	HSK63E-SF12-120	12	24	32	120	1.2
990148.63E12160	HSK63E-SF12-160	12	24	32	160	1.4
990148.63E1490	HSK63E-SF14-90	14	27	34	90	1.1
990148.63E14120	HSK63E-SF14-120	14	27	34	120	1.25
990148.63E14160	HSK63E-SF14-160	14	27	34	160	1.5
990148.63E1695	HSK63E-SF16-95	16	27	34	95	1.1
990148.63E16120	HSK63E-SF16-120	16	27	34	120	1.25
990148.63E16160	HSK63E-SF16-160	16	27	34	160	1.5
990148.63E1895	HSK63E-SF18-95	18	33	42	95	1.2
990148.63E18120	HSK63E-SF18-120	18	33	42	120	1.5
990148.63E18160	HSK63E-SF18-160	18	33	42	160	1.9
990148.63E20100	HSK63E-SF20-100	20	33	42	100	1.3
990148.63E20120	HSK63E-SF20-120	20	33	42	120	1.5
990148.63E20160	HSK63E-SF20-160	20	33	42	160	1.9
990148.63E25115	HSK63E-SF25-115	25	44	58	115	1.85
990148.63E25120	HSK63E-SF25-120	25	44	58	120	1.9
990148.63E25160	HSK63E-SF25-160	25	44	58	160	2.6
990148.63E32120	HSK63E-SF32-120	32	44	58	120	1.75
990148.63E32160	HSK63E-SF32-160	32	44	58	160	2.4

产品配件



HSK-E SF 3°热缩刀柄

HSK-E SF SHRINK CHUCK 3°



订单号/Order No.	型号/Model	d	D	D1	L	L1
990147.32E0364	HSK32E-SFS3-64	3	9	13	64	20
990147.32E0464	HSK32E-SFS4-64	4	10	14	64	30
990147.32E0674	HSK32E-SFS6-74	6	12	17	74	36
990147.32E0875	HSK32E-SFS8-74	8	14	19	74	36
990147.32E1078	HSK32E-SFS10-78	10	16	21	78	42
990147.40E0350	HSK40E-SFS3-50	3	9	12	50	20
990147.40E0450	HSK40E-SFS4-50	4	10	12.5	50	20
990147.40E0650	HSK40E-SFS6-50	6	12	15	50	34
990147.40E0660	HSK40E-SFS6-60	6	12	16	60	36
990147.40E0860	HSK40E-SFS8-60	8	14	18	60	36
990147.40E1060	HSK40E-SFS10-60	10	16	20	60	42
990147.40E1260	HSK40E-SFS12-60	12	18	22	60	42
990147.50E0370	HSK50E-SFS3-70	3	9	13	70	20
990147.50E0470	HSK50E-SFS4-70	4	10	14	70	20
990147.50E0670	HSK50E-SFS6-70	6	12	16	70	36
990147.50E0870	HSK50E-SFS8-70	8	14	18	7	36
990147.50E1070	HSK50E-SFS10-70	10	16	20	70	42
990147.50E1270	HSK50E-SFS12-70	12	18	22	70	47
990147.50E1670	HSK50E-SFS16-70	16	22	26	70	47
990147.50E0690	HSK50E-SFS6-90	6	12	18	90	36
990147.50E0890	HSK50E-SFS8-90	8	14	20	90	36
990147.50E1090	HSK50E-SFS10-90	10	16	22	90	42
990147.50E1290	HSK50E-SFS12-90	12	18	24	90	47
990147.50E1690	HSK50E-SFS16-90	16	22	28	90	50

HSK-E ER 弹簧夹头刀柄

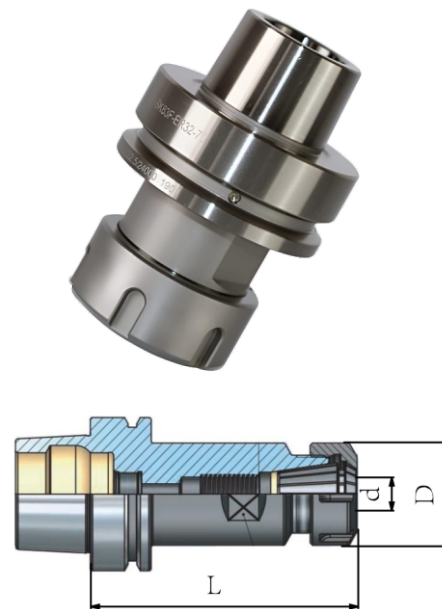
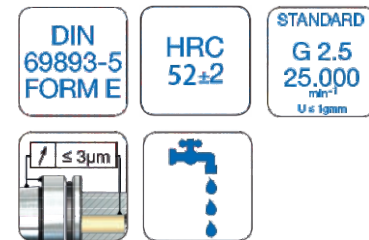
HSK-E ER COLLET CHUCK

订单号/Order No.	型号/Model	d	D	L
990145.25E1150	HSK25E-ER11-50	1-7	22	50
990145.25E1665	HSK25E-ER16-65	1-10	28	65
990145.25E2570	HSK25E-ER25-70	1-16	42	70
990145.32E11M60	HSK32E-ER11M-60	1-7	16	60
990145.32E16M60	HSK32E-ER16M-60	1-10	22	60
990145.32E20M60	HSK32E-ER20M-60	1-13	28	60
990145.32E1660	HSK32E-ER16A-60	1-10	28	60
990145.32E2060	HSK32E-ER20A-60	1-13	34	60

产品配件



HSK-E ER 弹簧夹头刀柄 HSK-E ER COLLET CHUCK

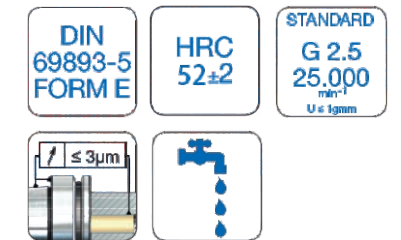


产品配件



订单号/Order No.	型号/Model	d	D	L
990145.32E2580	HSK32E-ER25-80	1-16	42	85
990145.32E3280	HSK32E-ER32-80	1-20	50	80
990145.40E16M70	HSK40E-ER16M-70	1-10	28	70
990145.40E20M70	HSK40E-ER20M-70	1-13	34	70
990145.40E2580	HSK40E-ER25-80	1-16	42	80
990145.40E32100	HSK40E-ER32-100	1-20	50	100
990145.40E16100	HSK40E-ER16-100	1-10	28	100
990145.40E20100	HSK40E-ER20-100	1-13	34	100
990145.40E25100	HSK40E-ER25-100	1-16	42	100
990145.50E1680	HSK50E-ER16-80	1-10	28	80
990145.50E2080	HSK50E-ER20-80	1-13	34	80
990145.50E2580	HSK50E-ER25-80	1-16	42	80
990145.50E3280	HSK50E-ER32-80	1-20	50	80
990145.50E16100	HSK50E-ER16-100	1-10	28	100
990145.50E20100	HSK50E-ER20-100	1-13	34	100
990145.50E25100	HSK50E-ER25-100	1-16	42	100
990145.50E32100	HSK50E-ER32-100	1-20	50	100
990145.50E40100	HSK50E-ER40-100	1-26	63	100
990145.63E1680	HSK63E-ER16-80	1-10	28	80
990145.63E2080	HSK63E-ER20-80	1-13	34	80
990145.63E2580	HSK63E-ER25-80	1-16	42	80
990145.63E3280	HSK63E-ER32-80	1-20	50	80
990145.63E4080	HSK63E-ER40-80	1-26	63	80
990145.63E16100	HSK63E-ER16-100	1-10	28	100
990145.63E20100	HSK63E-ER20-100	1-13	34	100
990145.63E25100	HSK63E-ER25-100	1-16	42	100
990145.63E32100	HSK63E-ER32-100	1-20	50	100
990145.63E40100	HSK63E-ER40-100	1-26	63	100
990145.63E16150	HSK63E-ER16-150	1-10	28	150
990145.63E20150	HSK63E-ER20-150	1-13	34	150
990145.63E25150	HSK63E-ER25-150	1-16	42	150
990145.63E3150	HSK63E-ER32-150	1-20	50	150
990145.63E40150	HSK63E-ER40-150	1-26	63	150
990145.63E16200	HSK63E-ER16-200	1-10	28	200
990145.63E20200	HSK63E-ER20-200	1-13	34	200
990145.63E25200	HSK63E-ER25-200	1-16	42	200
990145.63E32200	HSK63E-ER32-200	1-20	50	200
990145.63E40200	HSK63E-ER40-200	1-26	63	200

HSK-E GER 刀柄 HSK-E GER COLLET CHUCK



产品配件



订单号/Order No.	型号/Model	d	D	L
990144.25E1665	HSK25E-GER16-65	1-10	28	65
990144.25E2570	HSK25E-GER25-70	1-16	42	70
990144.32E1660	HSK32E-GER16-60	1-10	28	60
990144.32E2060	HSK32E-GER20-60	1-13	34	60
990144.32E2580	HSK32E-GER25-80	1-16	42	85
990144.32E3280	HSK32E-GER32-80	1-20	50	80
990144.40E2580	HSK40E-GER25-80	1-16	42	80
990144.40E32100	HSK40E-GER32-100	1-20	50	100
990144.40E16100	HSK40E-GER16-100	1-10	28	100
990144.40E20100	HSK40E-GER20-100	1-13	34	100
990144.40E25100	HSK40E-GER25-100	1-16	42	100
990144.50E1680	HSK50E-GER16-80	1-10	28	80
990144.50E2080	HSK50E-GER20-80	1-13	34	80
990144.50E2580	HSK50E-GER25-80	1-16	42	80
990144.50E3280	HSK50E-GER32-80	1-20	50	80
990144.50E16100	HSK50E-GER16-100	1-10	28	100
990144.50E20100	HSK50E-GER20-100	1-13	34	100
990144.50E25100	HSK50E-GER25-100	1-16	42	100
990144.50E32100	HSK50E-GER32-100	1-20	50	100
990144.50E40100	HSK50E-GER40-100	1-26	63	100
990144.63E1680	HSK63E-GER16-80	1-10	28	80
990144.63E2080	HSK63E-GER20-80	1-13	34	80
990144.63E2580	HSK63E-GER25-80	1-16	42	80
990144.63E3280	HSK63E-GER32-80	1-20	50	80
990144.63E4080	HSK63E-GER40-80	1-26	63	80
990144.63E16100	HSK63E-GER16-100	1-10	28	100
990144.63E20100	HSK63E-GER20-100	1-13	34	100
990144.63E25100	HSK63E-GER25-100	1-16	42	100
990144.63E32100	HSK63E-GER32-100	1-20	50	100
990144.63E40100	HSK63E-GER40-100	1-26	63	100
990144.63E16150	HSK63E-GER16-150	1-10	28	150
990144.63E20150	HSK63E-GER20-150	1-13	34	150
990144.63E25150	HSK63E-GER25-150	1-16	42	150
990144.63E32150	HSK63E-GER32-150	1-20	50	150
990144.63E40150	HSK63E-GER40-150	1-26	63	150
990144.63E16200	HSK63E-GER16-200	1-10	28	200
990144.63E20200	HSK63E-GER20-200	1-13	34	200

HSK-E GER 刀柄

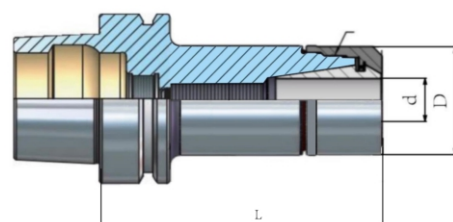
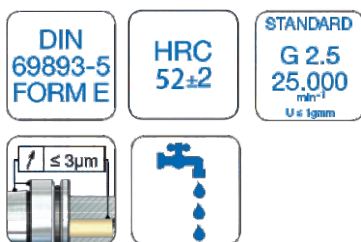
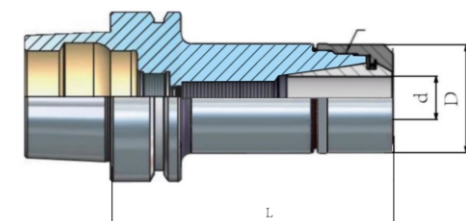
HSK-E GER COLLET CHUCK

订单号/Order No.	型号/Model	d	D	L
990144.63E25200	HSK63E-GER25-200	1-16	42	200
990144.63E32200	HSK63E-GER32-200	1-20	50	200
990144.63E40200	HSK63E-GER40-200	1-26	63	200

HSK-E GSK 高速刀柄

HSK-E GSK HIGH SPEED COLLET CHUCK

订单号/Order No.	型号/Model	d	D	L	扳手 Wrench	KG
990143.40E1060	HSK40E-GSK10-60	1-10	27	60	27	0.4
990143.40E13100	HSK40E-GSK13-100	2-13	35	100	35	0.7
990143.40E1670	HSK40E-GSK16-70	2-16	40	70	40	0.6
990143.50E1080	HSK50E-GSK10-80	1-10	27	80	27	0.7
990143.50E10100	HSK50E-GSK10-100	1-10	27	100	27	1.1
990143.50E1380	HSK50E-GSK13-80	2-13	35	80	35	0.8
990143.50E13100	HSK50E-GSK13-100	2-13	35	100	35	1.2
990143.50E1680	HSK50E-GSK16-80	2-16	40	80	40	0.9
990143.50E16100	HSK50E-GSK16-100	2-16	40	100	40	1.3
990143.63E1090	HSK63E-GSK10-90	1-10	27	90	27	0.9
990143.63E10120	HSK63E-GSK10-120	1-10	27	120	27	1.2
990143.63E10150	HSK63E-GSK10-150	1-10	27	150	27	1.6
990143.63E1390	HSK63E-GSK13-90	2-13	35	90	35	1.3
990143.63E13120	HSK63E-GSK13-120	2-16	35	120	35	1.5
990143.63E1690	HSK63E-GSK16-90	2-16	40	90	40	1.3
990143.63E16120	HSK63E-GSK16-120	2-16	40	120	40	1.5
990143.63E16150	HSK63E-GSK16-150	2-16	40	150	40	2
990143.63E2090	HSK63E-GSK20-90	3-20	48	90	48	1.5
990143.63E20120	HSK63E-GSK20-120	3-20	48	120	48	1.8
990143.63E2590	HSK63E-GSK25-90	4-25	55	90	55	1.5
990143.63E25120	HSK63E-GSK25-120	4-25	55	120	55	1.8



产品配件

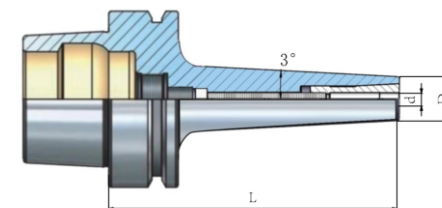


HSK-E SDC 后拉刀柄

HSK-E SDC COLLET CHUCK



订单号/Order No.	型号/Model	d	D	L	KG
990142.50E0690	HSK50E-SDC06-90	1-6	14	90	0.9
990142.50E06120	HSK50E-SDC06-120	1-6	14	120	1.3
990142.50E0890	HSK50E-SDC08-90	1-10	22	90	1
990142.50E08120	HSK50E-SDC08-120	1-10	22	120	1.4
990142.63E0690	HSK63E-SDC06-90	1-6	14	90	1.5
990142.63E06120	HSK63E-SDC06-120	1-6	14	120	1.8
990142.63E06150	HSK63E-SDC06-150	1-6	14	150	2
990142.63E06200	HSK63E-SDC06-200	1-6	14	200	2.2
990142.63E0890	HSK63E-SDC08-90	1-10	22	90	1.6
990142.63E08120	HSK63E-SDC08-120	1-10	22	120	1.9
990142.63E08150	HSK63E-SDC08-150	1-10	22	150	2.1
990142.63E08200	HSK63E-SDC08-200	1-10	22	200	2.3
990142.63E1290	HSK63E-SDC12-90	1-12	34	90	1.7
990142.63E12120	HSK63E-SDC12-120	1-12	34	120	2.2
990142.63E12150	HSK63E-SDC12-150	1-12	34	150	2.8
990142.63E12200	HSK63E-SDC12-200	1-12	34	200	3.2



产品配件



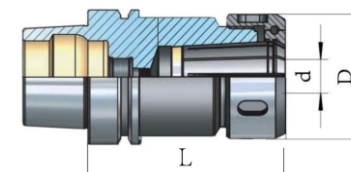
HSK-E OZ筒夹刀柄

HSK-E OZ COLLET CHUCK



订单号/Order No.	型号/Model	d	D	L	KG
990125.63E25108	HSK63E-OZ25-108	2-25	51	76	1.6
990125.63E25147	HSK63E-OZ25-147	2-25	51	115	2.4
990125.63E25182	HSK63E-OZ25-182	2-25	51	150	2.8
990125.63E25207	HSK63E-OZ25-207	2-25	51	175	3.2
990125.63E25232	HSK63E-OZ25-232	2-25	51	200	3.6
990125.63E25257	HSK63E-OZ25-257	2-25	51	225	4.2

产品配件

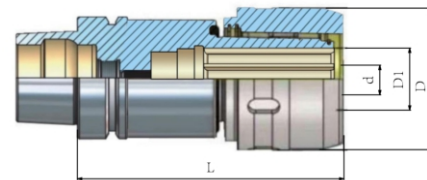


HSK-E MC强力刀柄

HSK-E MC POWER MILLING CHUCK



订单号/Order No.	型号/Model	d	D1	D	L	KG
990146.50E2090	HSK50E-MC20-90	3-16	20	62	90	1.8
990146.50E25100	HSK50E-MC25-100	3-20	25	62	100	1.9
990146.50E32110	HSK50E-MC32-110	3-25	32	68	110	2.1
990146.63E20100	HSK63E-MC20-100	3-16	20	62	100	2
990146.63E25100	HSK63E-MC25-100	3-20	25	62	100	2.1
990146.63E32120	HSK63E-MC32-120	3-25	32	68	120	2.4

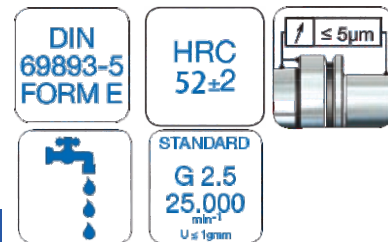


产品配件



HSK-E FMB 面铣刀柄

HSK-E FMB FACE MILLING CHUCK



订单号/Order No.	型号/Model	d	D	L	KG
990141.32E1650	HSK32E-FMB16-50	16	38	50	0.35
990141.40E1650	HSK32E-FMB16-50	16	38	50	0.6
990141.40E2250	HSK40E-FMB22-50	22	48	50	0.7
990141.40E2760	HSK40E-FMB27-60	27	58	60	0.85
990141.50E1650	HSK40E-FMB16-60	16	38	50	0.95
990141.50E2260	HSK50E-FMB22-60	22	48	60	1.3
990141.50E2760	HSK50E-FMB27-60	27	58	60	1.4
990141.50E3260	HSK50E-FMB32-60	32	78	60	1.8
990141.63E1650	HSK50E-FMB16-50	16	38	50	1.5
990141.63E2260	HSK63E-FMB22-60	22	48	60	1.8



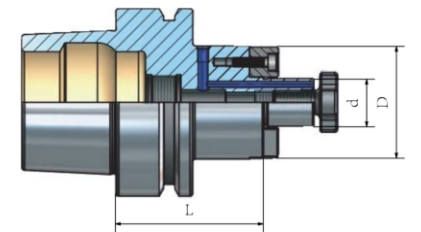
产品配件



HSK-E FMB 面铣刀柄

HSK-E FMB FACE MILLING CHUCK

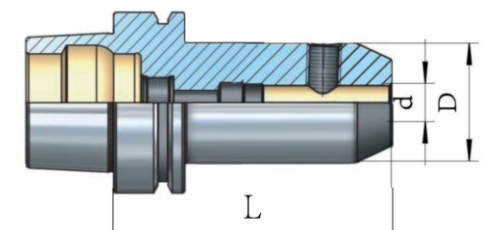
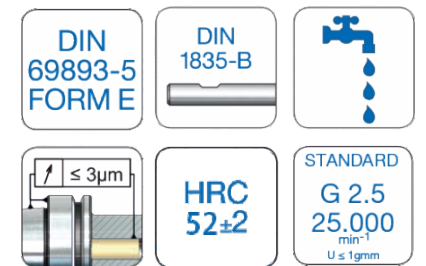
订单号/Order No.	型号/Model	d	D	L	KG
990141.63E2760	HSK63E-FMB27-60	27	58	60	1.95
990141.63E3260	HSK63E-FMB32-60	32	78	60	2.4
990141.63E4060	HSK63E-FMB40-60	40	88	60	2.85



HSK-E SLA 侧固刀柄

HSK-E SLA END MILLING HOLDER

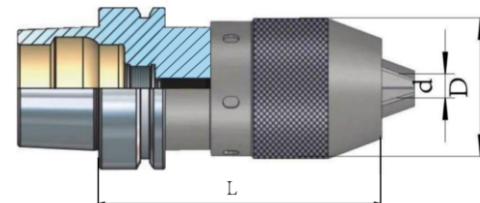
订单号/Order No.	型号/Model	d	D	L	KG
990136.32E0660	HSK32E-SLA06-60	6	25	60	0.26
990136.32E0860	HSK32E-SLA08-60	8	28	60	0.28
990136.32E1065	HSK32E-SLA10-65	10	35	65	0.36
990136.40E0660	HSK40E-SLA06-60	6	25	60	0.33
990136.40E0860	HSK40E-SLA08-60	8	28	60	0.38
990136.40E1060	HSK40E-SLA10-60	10	35	60	0.44
990136.40E1270	HSK40E-SLA12-70	12	42	70	0.6
990136.40E1475	HSK40E-SLA14-75	14	44	75	0.62
990136.40E1675	HSK40E-SLA16-75	16	48	75	0.73
990136.40E2075	HSK40E-SLA20-75	20	52	75	1
990136.50E0665	HSK50E-SLA06-65	6	25	65	0.53
990136.50E0865	HSK50E-SLA08-65	8	28	65	0.57
990136.50E1065	HSK50E-SLA10-65	10	35	65	0.65
990136.50E1280	HSK50E-SLA12-80	12	42	80	0.9
990136.50E1480	HSK50E-SLA14-80	14	44	80	0.92
990136.50E1680	HSK50E-SLA16-80	16	48	80	1
990136.50E1880	HSK50E-SLA18-80	18	50	80	1.2
990136.50E2080	HSK50E-SLA20-80	20	52	80	1.4
990136.50E20100	HSK50E-SLA20-100	20	52	100	1.5
990136.50E25100	HSK50E-SLA25-100	25	65	100	1.8
990136.63E0665	HSK63E-SLA06-65	6	25	65	1
990136.63E0865	HSK63E-SLA08-65	8	28	65	1
990136.63E1065	HSK63E-SLA10-65	10	35	65	1
990136.63E1280	HSK63E-SLA12-80	12	42	80	1.2
990136.63E1480	HSK63E-SLA14-80	14	44	80	1.3
990136.63E1680	HSK63E-SLA16-80	16	48	80	1.4
990136.63E1880	HSK63E-SLA18-80	18	50	80	1.4
990136.63E2080	HSK63E-SLA20-80	20	52	80	1.5
990136.63E25110	HSK63E-SLA25-110	25	63	110	2
990136.63E32110	HSK63E-SLA32-110	32	72	110	2.3
990136.63E40120	HSK63E-SLA40-120	40	80	120	2.8



HSK-E APU钻夹头刀柄 HSK-E APU DRILL CHUCK



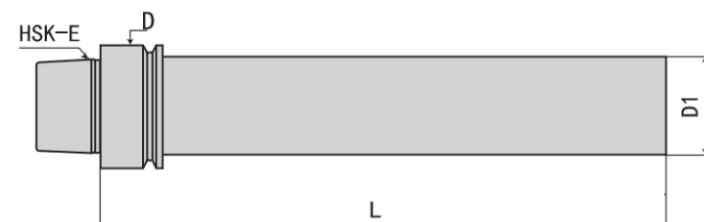
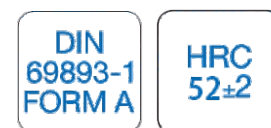
订单号/Order No.	型号/Model	d	D	L	KG
990134.50E08120	HSK50E-APU08-120	1-8	38	120	1.7
990134.50E13135	HSK50E-APU13-135	1-13	48	135	2.4
990134.50E16140	HSK50E-APU16-140	3-16	53	140	2.6
990134.63E08120	HSK63E-APU08-120	1-8	38	120	1.8
990134.63E13150	HSK63E-APU13-150	1-13	48	150	2.8
990134.63E16155	HSK63E-APU16-155	3-16	53	155	3



产品配件

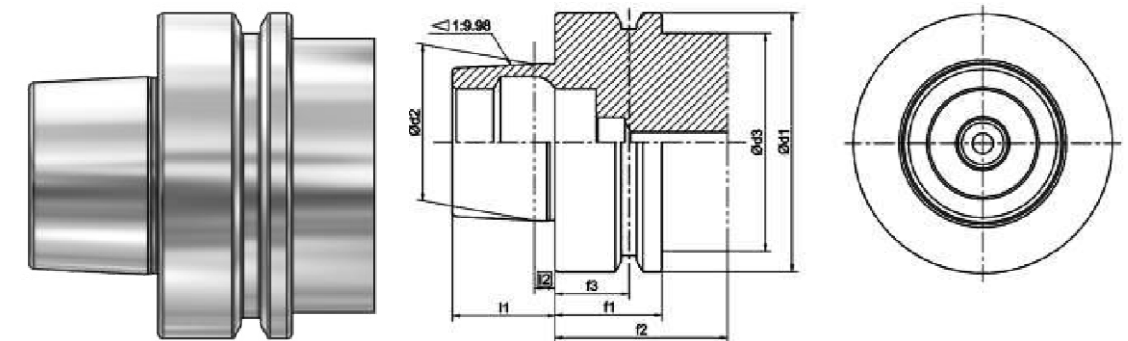


HSK-E 主轴检验棒 HSK-E TEST BAR



订单号/Order No.	型号/Model	D1	L	KG
990123.25E20150	HSK25E-20-150	20	150	1.6
990123.32E25180	HSK32E-25-180	25	180	2
990123.40E25180	HSK40E-25-180	25	180	2.6
990123.50E32200	HSK50E-32-200	32	200	3.7
990123.63E40300	HSK63E-40-300	40	300	5

HSK-F 数控刀柄 DIN 69893-F HSK-F HOLDER



Model	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

特点:

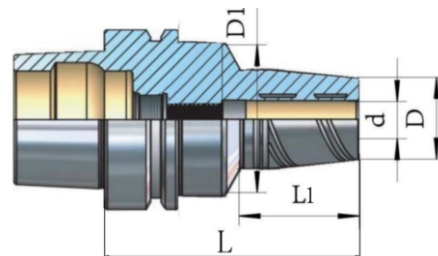
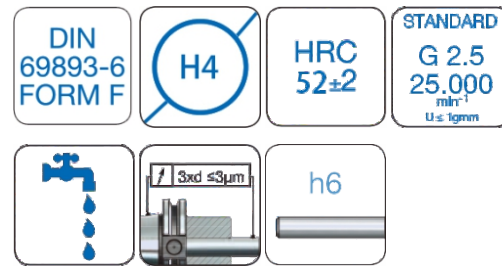
- ◎锥度精度:<AT3
- ◎基本材质:20CrMnTi/15CrMo
- ◎表面处理:工艺发蓝, 抛光
- ◎真圆度:<0.8μm
- ◎刀杆有预设标准动平衡G6.3,可另外指定精密动平衡G2.5
- ◎硬度:HRC56°
- ◎渗碳深度>0.8mm
- ◎表面粗糙度:Ra<0.5μm
- ◎本体规范:DIN 69893-6

Features:

- ◎Taper tolerance <At3.
- ◎Basic Material:20CrMnTi/15CrMo.
- ◎Surface Treatment:Anti-rust treatment;Polishing treatment
- ◎Hardness >HRC56°Carbon depth>0.8mm.
- ◎Roundness<0.8μm.
- ◎Surface roughness:Ra<0.5μm.
- ◎The shank has pre-balance at G6.3,and can provide percision balance at G2.5,made by request.
- ◎Shank body standard:DIN69893-6.

HSK-F PHC 液压刀柄

HSK-F PHC HYDRAULIC TOOL HOLDER

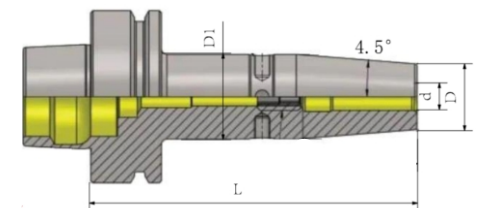
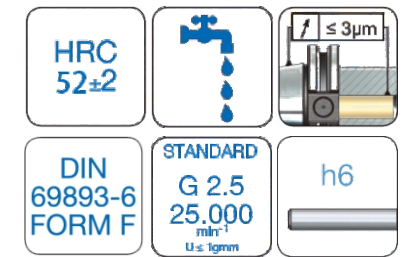


订单号/Order No.	型号/Model	d	D	D1	L	L1	KG
990150.50F0670	HSK50F-PHC06-70	6	30	42	70	28	1.1
990150.50F0870	HSK50F-PHC08-70	8	32	42	70	28	1.1
990150.50F1080	HSK50F-PHC10-80	10	34	42	80	35	0.77
990150.50F1285	HSK50F-PHC12-85	12	36	42	85	42	0.93
990150.50F1690	HSK50F-PHC16-90	16	40	42	90	45	0.98
990150.50F1890	HSK50F-PHC18-90	18	42	42	90	45	0.98
990150.50F2090	HSK50F-PHC20-90	20	42	42	90	45	1.05
990150.63F0680	HSK63F-PHC06-80	6	32	48	80	32	1.1
990150.63F0880	HSK63F-PHC08-80	8	34	50	80	32	1.15
990150.63F1080	HSK63F-PHC10-80	10	36	52.5	80	32	1.2
990150.63F1280	HSK63F-PHC12-80	12	38	52.5	80	32	1.2
990150.63F1690	HSK63F-PHC16-90	16	42	52.5	90	41	1.3
990150.63F1890	HSK63F-PHC18-90	18	46	52.5	90	41	1.35
990150.63F2090	HSK63F-PHC20-90	20	46	52.5	90	41	1.35
990150.63F25120	HSK63F-PHC25-120	25	53	63	120	55.5	2
990150.63F32125	HSK63F-PHC32-125	32	60	75	125	60.5	2.3
990150.100F0685	HSK100F-PHC06-85	6	32	50	85	30	2.5
990150.100F06150	HSK100F-PHC06-150	6	32	50	150	30	2.85
990150.100F0885	HSK100F-PHC08-85	8	34	50	85	30	2.5
990150.100F08150	HSK100F-PHC08-150	8	34	50	150	30	3
990150.100F1090	HSK100F-PHC10-90	10	36	52	90	34	2.6
990150.100F10150	HSK100F-PHC10-150	10	36	52	150	34	3.3
990150.100F1295	HSK100F-PHC12-95	12	38	52	95	38	2.65
990150.100F12150	HSK100F-PHC12-150	12	38	52	150	38	3.6
990150.100F16100	HSK100F-PHC16-100	16	42	58	100	40	2.86
990150.100F16150	HSK100F-PHC16-150	16	42	58	150	40	3.7
990150.100F18105	HSK100F-PHC18-105	18	42	58	105	30	3
990150.100F20105	HSK100F-PHC20-105	20	46	60	105	45	3
990150.100F20150	HSK100F-PHC20-150	20	46	60	150	45	3.75
990150.100F25110	HSK100F-PHC25-110	25	52	63	110	55.5	3.2
990150.100F32110	HSK100F-PHC32-110	32	62	75	110	55.5	3.6

HSK
tool holder

HSK-F SF 4.5° 热缩刀柄

HSK-F SF SHRINK FIT CHUCK 4.5°



订单号/Order No.	型号/Model	d	D	D1	L	KG
990149.50F0380	HSK50F-SF03-80	3	9	16	80	0.45
990149.50F0480	HSK50F-SF04-80	4	10	18	80	0.5
990149.50F0580	HSK50F-SF05-80	5	15	20	80	0.5
990149.50F0680	HSK50F-SF06-80	6	21	27	80	0.6
990149.50F0880	HSK50F-SF08-80	8	21	27	80	0.6
990149.50F1085	HSK50F-SF10-85	10	24	32	85	0.65
990149.50F1290	HSK50F-SF12-90	12	24	32	90	0.68
990149.50F1490	HSK50F-SF14-90	14	27	34	90	0.73
990149.50F1695	HSK50F-SF16-95	16	27	34	95	0.73
990149.50F1895	HSK50F-SF18-95	18	33	42	95	0.9
990149.50F20100	HSK50F-SF20-100	20	33	42	100	0.95
990149.50F06120	HSK50F-SF06-120	6	21	27	120	0.75
990149.50F06160	HSK50F-SF06-160	6	21	27	160	0.95
990149.50F08120	HSK50F-SF08-120	8	21	27	120	0.75
990149.50F08160	HSK50F-SF08-160	8	21	27	160	0.95
990149.50F10120	HSK50F-SF10-120	10	24	32	120	0.86
990149.50F10160	HSK50F-SF10-160	10	24	32	160	1.15
990149.50F12120	HSK50F-SF12-120	12	24	32	120	0.86
990149.50F12160	HSK50F-SF12-160	12	24	32	160	1.1
990149.50F14120	HSK50F-SF14-120	14	27	34	120	0.95
990149.50F14160	HSK50F-SF14-160	14	27	34	160	1.2
990149.50F16120	HSK50F-SF16-120	16	27	34	120	0.9
990149.50F16160	HSK50F-SF16-160	16	27	34	160	1.2
990149.50F18120	HSK50F-SF18-120	18	33	42	120	1.2
990149.50F18160	HSK50F-SF18-160	18	33	42	160	1.6
990149.50F20120	HSK50F-SF20-120	20	33	42	120	1.15
990149.50F20160	HSK50F-SF20-160	20	33	42	160	1.6
990149.63F32120	HSK63F-SF03-80	3	9	16	120	1.7
990149.63F04120	HSK63F-SF04-80	4	10	18	120	0.82
990149.63F06120	HSK63F-SF05-80	6	21	27	120	1
990149.63F08120	HSK63F-SF06-80	8	21	27	120	1
990149.63F10120	HSK63F-SF08-80	10	24	32	120	1.15
990149.63F12120	HSK63F-SF10-85	12	24	32	120	1.15
990149.63F14120	HSK63F-SF12-90	14	27	34	120	1.2
990149.63F16120	HSK63F-SF14-90	16	27	34	120	1.2
990149.63F18120	HSK63F-SF16-95	18	33	42	120	1.45
990149.63F20120	HSK63F-SF18-95	20	33	42	120	1.4
990149.63F25120	HSK63F-SF20-100	25	44	53	120	1.85
990149.63F32120	HSK63F-SF25-115	32	44	52.5	120	1.7

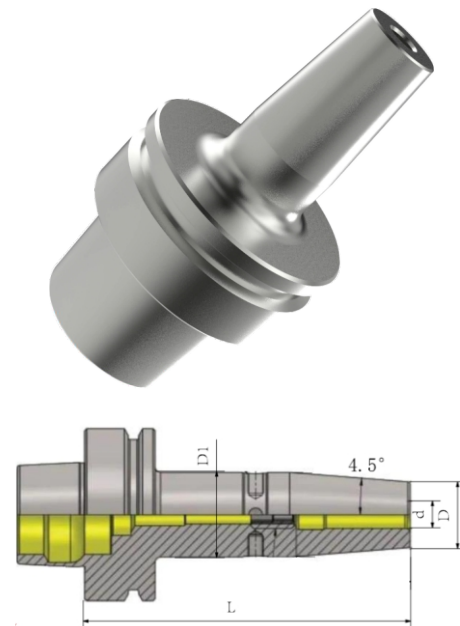
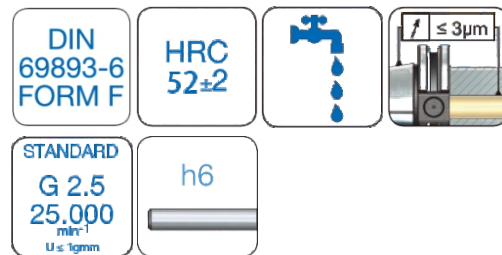
HSK
tool holder

产品配件



HSK-F SF 4.5° 热缩刀柄

HSK-F SF SHRINK FIT CHUCK 4.5°

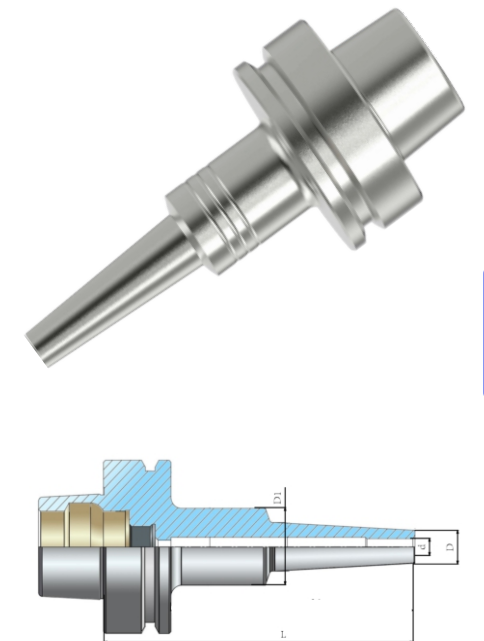
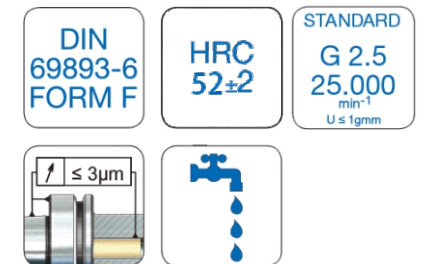


产品配件



HSK-F SFS 3° 热缩刀柄

HSK-F SF SHRINK FIT CHUCK 3°



产品配件

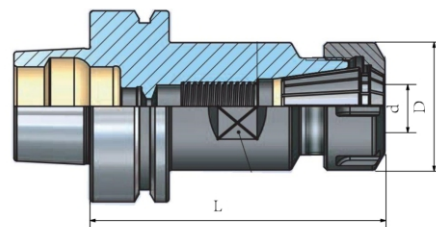
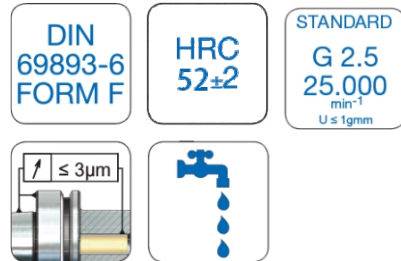


订单号/Order No.	型号/Model	d	D	D1	L	KG
990149.63F06160	HSK63F-SF06-160	6	21	32	160	1.2
990149.63F08160	HSK63F-SF08-160	8	21	32	160	1.2
990149.63F10160	HSK63F-SF10-160	10	24	34	160	1.35
990149.63F12160	HSK63F-SF12-160	12	24	34	160	1.35
990149.63F14160	HSK63F-SF14-160	14	27	42	160	1.45
990149.63F16160	HSK63F-SF16-160	16	27	42	160	1.45
990149.63F18160	HSK63F-SF18-160	18	33	50	160	1.83
990149.63F20160	HSK63F-SF20-160	20	33	50	160	1.8
990149.63F25160	HSK63F-SF25-160	25	44	52.5	160	2.52
990149.63F32160	HSK63F-SF32-160	32	44	52.5	160	2.4
990149.63F06200	HSK63F-SF06-200	6	21	32	200	1.35
990149.63F08200	HSK63F-SF08-200	8	21	32	200	1.35
990149.63F10200	HSK63F-SF10-200	10	24	34	200	1.6
990149.63F12200	HSK63F-SF12-200	12	24	34	200	1.6
990149.63F14200	HSK63F-SF14-200	14	27	42	200	1.72
990149.63F16200	HSK63F-SF16-200	16	27	42	200	1.7
990149.63F18200	HSK63F-SF18-200	18	33	50	200	2.3
990149.63F20200	HSK63F-SF20-200	20	33	50	200	2.2
990149.63F25200	HSK63F-SF25-200	25	44	52.5	200	2.4
990149.63F32200	HSK63F-SF32-200	32	44	52.5	200	3.1

订单号/Order No.	型号/Model	d	D	D1	L	KG
990147.50F0390	HSK50F-SFS03-90	3	9	13	90	0.7
990147.50F0490	HSK50F-SFS04-90	4	10	14	90	0.7
990147.50F0690	HSK50F-SFS06-90	6	12	18	90	0.6
990147.50F0890	HSK50F-SFS08-90	8	14	20	90	0.6
990147.50F1090	HSK50F-SFS10-90	10	16	22	90	0.7
990147.50F1290	HSK50F-SFS12-90	12	18	24	90	0.7
990147.50F1690	HSK50F-SFS16-90	16	22	28	90	0.8
990147.50F03120	HSK50F-SFS03-120	3	9	16	120	0.8
990147.50F04120	HSK50F-SFS04-120	4	10	17	120	0.8
990147.50F06120	HSK50F-SFS06-120	6	12	21	120	0.8
990147.50F08120	HSK50F-SFS08-120	8	14	23	120	0.9
990147.50F10120	HSK50F-SFS10-120	10	16	25	120	0.95
990147.50F12120	HSK50F-SFS12-120	12	18	27	120	0.95
990147.50F16120	HSK50F-SFS16-120	16	22	31	120	1
990147.50F04160	HSK50F-SFS04-160	4	10	20	160	1.3
990147.50F06160	HSK50F-SFS06-160	6	12	24	160	1.3
990147.50F08160	HSK50F-SFS08-160	8	14	26	160	1.3
990147.50F10160	HSK50F-SFS10-160	10	16	28	160	1.3
990147.50F12160	HSK50F-SFS12-160	12	18	30	160	1.35
990147.50F16160	HSK50F-SFS16-160	16	22	34	160	1.35
990147.63F0490	HSK63F-SFS04-90	4	10	14	90	0.8
990147.63F0690	HSK63F-SFS06-90	6	12	18	90	0.8
990147.63F0890	HSK63F-SFS08-90	8	14	20	90	0.8
990147.63F1090	HSK63F-SFS10-90	10	16	22	90	0.9
990147.63F1290	HSK63F-SFS12-90	12	18	24	90	1
990147.63F1690	HSK63F-SFS16-90	16	22	28	90	1.1
990147.63F04120	HSK63F-SFS04-120	4	10	17	120	0.9
990147.63F06120	HSK63F-SFS06-120	6	12	21	120	0.9
990147.63F08120	HSK63F-SFS08-120	8	14	23	120	0.9
990147.63F10120	HSK63F-SFS10-120	10	16	25	120	1
990147.63F12120	HSK63F-SFS12-120	12	18	27	120	1
990147.63F16120	HSK63F-SFS16-120	16	22	31	120	1.3
990147.63F03160	HSK63F-SFS03-160	3	9	19	160	1.2
990147.63F04160	HSK63F-SFS04-160	4	10	20	160	1.2
990147.63F06160	HSK63F-SFS06-160	6	12	24	160	1.2
990147.63F08160	HSK63F-SFS08-160	8	14	26	160	1.3
990147.63F10160	HSK63F-SFS10-160	10	16	28	160	1.4
990147.63F12160	HSK63F-SFS12-160	12	18	30	160	1.3
990147.63F16160	HSK63F-SFS16-160	16	22	34	160	1.5

HSK-F ER 刀柄

HSK-F ER COLLET CHUCK



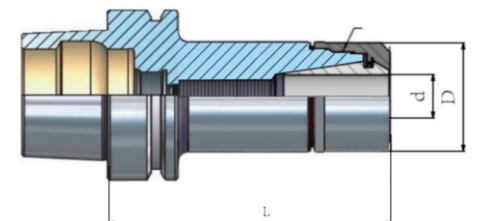
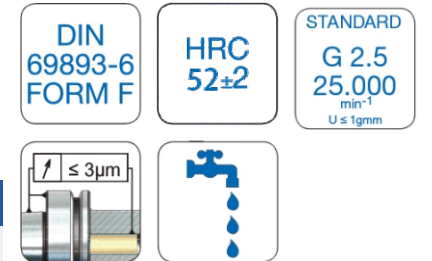
订单号/Order No.	型号/Model	d	D	L	KG
990145.50F1680	HSK50F-ER16-80	1-10	28	80	0.5
990145.50F2080	HSK50F-ER20-80	1-13	34	80	0.6
990145.50F2580	HSK50F-ER25-80	1-16	42	80	0.65
990145.50F3280	HSK50F-ER32-80	1-20	50	80	0.75
990145.50F16100	HSK50F-ER16-100	1-10	28	100	0.65
990145.50F20100	HSK50F-ER20-100	1-13	34	100	0.75
990145.50F25100	HSK50F-ER25-100	1-16	42	100	0.8
990145.50F32100	HSK50F-ER32-100	1-20	50	100	0.85
990145.50F40100	HSK50F-ER40-100	1-26	63	100	1.1
990145.63F1680	HSK63F-ER16-80	1-10	28	80	1.1
990145.63F2080	HSK63F-ER20-80	1-13	34	80	1.2
990145.63F2580	HSK63F-ER25-80	1-16	42	80	1.3
990145.63F3280	HSK63F-ER32-80	1-20	50	80	1.35
990145.63F4080	HSK63F-ER40-80	1-26	63	80	1.4
990145.63F16100	HSK63F-ER16-100	1-10	28	100	1.2
990145.63F20100	HSK63F-ER20-100	1-13	34	100	1.25
990145.63F25100	HSK63F-ER25-100	1-16	42	100	1.35
990145.63F32100	HSK63F-ER32-100	1-20	50	100	1.4
990145.63F40100	HSK63F-ER40-100	1-26	63	100	1.5
990145.63F16150	HSK63F-ER16-150	1-10	28	150	1.2
990145.63F20150	HSK63F-ER20-150	1-13	34	150	1.35
990145.63F25150	HSK63F-ER25-150	1-16	42	150	1.85
990145.63F32150	HSK63F-ER32-150	1-20	50	150	2.2
990145.63F40150	HSK63F-ER40-150	1-26	63	150	2.45
990145.63F16200	HSK63F-ER16-200	1-10	28	200	1.45
990145.63F20200	HSK63F-ER20-200	1-13	34	200	1.65
990145.63F25200	HSK63F-ER25-200	1-16	42	200	2.2
990145.63F32200	HSK63F-ER32-200	1-20	50	200	2.6
990145.63F40200	HSK63F-ER40-200	1-26	63	200	2.85

产品配件



HSK-F GER 刀柄

HSK-F GER COLLET CHUCK



订单号/Order No.	型号/Model	d	D	L	KG
990144.50F1680	HSK50F-GER16-80	1-10	28	80	0.5
990144.50F2080	HSK50F-GER20-80	1-13	34	80	0.6
990144.50F2580	HSK50F-GER25-80	1-16	42	80	0.65
990144.50F3280	HSK50F-GER32-80	1-20	50	80	0.75
990144.50F16100	HSK50F-GER16-100	1-10	28	100	0.65
990144.50F20100	HSK50F-GER20-100	1-13	34	100	0.75
990144.50F25100	HSK50F-GER25-100	1-16	42	100	0.8
990144.50F32100	HSK50F-GER32-100	1-20	50	100	0.85
990144.50F40100	HSK50F-GER40-100	1-26	63	100	1.1
990144.63F1680	HSK63F-GER16-80	1-10	28	80	1.1
990144.63F2080	HSK63F-GER20-80	1-13	34	80	1.2
990144.63F2580	HSK63F-GER25-80	1-16	42	80	1.3
990144.63F3280	HSK63F-GER32-80	1-20	50	80	1.35
990144.63F4080	HSK63F-GER40-80	1-26	63	80	1.4
990144.63F16100	HSK63F-GER16-100	1-10	28	100	1.2
990144.63F20100	HSK63F-GER20-100	1-13	34	100	1.25
990144.63F25100	HSK63F-GER25-100	1-16	42	100	1.35
990144.63F32100	HSK63F-GER32-100	1-20	50	100	1.4
990144.63F40100	HSK63F-GER40-100	1-26	63	100	1.5
990144.63F16150	HSK63F-GER16-150	1-10	28	150	1.2
990144.63F20150	HSK63F-GER20-150	1-13	34	150	1.35
990144.63F25150	HSK63F-GER25-150	1-16	42	150	1.85
990144.63F32150	HSK63F-GER32-150	1-20	50	150	2.2
990144.63F40150	HSK63F-GER40-150	1-26	63	150	2.45
990144.63F16200	HSK63F-GER16-200	1-10	28	200	1.45
990144.63F20200	HSK63F-GER20-200	1-13	34	200	1.65
990144.63F25200	HSK63F-GER25-200	1-16	42	200	2.2
990144.63F32200	HSK63F-GER32-200	1-20	50	200	2.6
990144.63F40200	HSK63F-GER40-200	1-26	63	200	2.85

产品配件



HSK-F GSK高速刀柄 HSK-F GSK HIGH-SPEED HOLDER



DIN 69893-6 FORM F

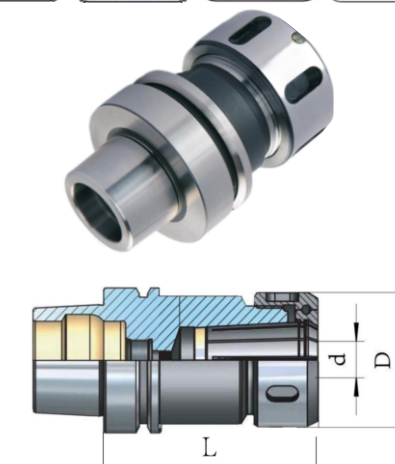
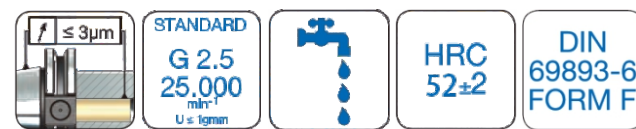


订单号/Order No.	型号/Model	d	D	L	扳手 Wrench	KG
990143.50F1080	HSK50F-GSK10-80	1-10	27	80	27	0.7
990143.50F10100	HSK50F-GSK10-100	1-10	27	100	27	1.1
990143.50F1380	HSK50F-GSK13-80	2-13	35	80	35	0.8
990143.50F13100	HSK50F-GSK13-100	2-13	35	100	35	1.2
990143.50F1680	HSK50F-GSK16-80	2-16	40	80	40	0.9
990143.50F16100	HSK50F-GSK16-100	2-16	40	100	40	1.3
990143.63F1090	HSK63F-GSK10-90	1-10	27	90	27	0.9
990143.63F10120	HSK63F-GSK10-120	1-10	27	120	27	1.2
990143.63F10150	HSK63F-GSK10-150	1-10	27	150	27	1.6
990143.63F1390	HSK63F-GSK13-90	2-13	35	90	35	1.3
990143.63F13120	HSK63F-GSK13-120	2-16	35	120	35	1.5
990143.63F1690	HSK63F-GSK16-90	2-16	40	90	40	1.3
990143.63F16120	HSK63F-GSK16-120	2-16	40	120	40	1.5
990143.63F16150	HSK63F-GSK16-150	2-16	40	150	40	2
990143.63F2090	HSK63F-GSK20-90	3-20	48	90	48	1.5
990143.63F20120	HSK63F-GSK20-120	3-20	48	120	48	1.8
990143.63F2590	HSK63F-GSK25-90	4-25	55	90	55	1.5
990143.63F25120	HSK63F-GSK25-120	4-25	55	120	55	1.8

产品配件



HSK-F OZ 筒夹刀柄 HSK-F OZ COLLET CHUCK

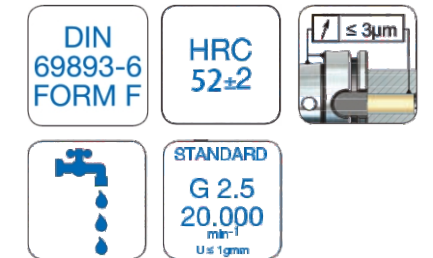


订单号/Order No.	型号/Model	d	D	L	KG
990123.63F2580	HSK63F-OZ25-80	2-25	51	80	1.3
990123.63F32100	HSK63F-OZ32-100	2-25	51	100	2

产品配件

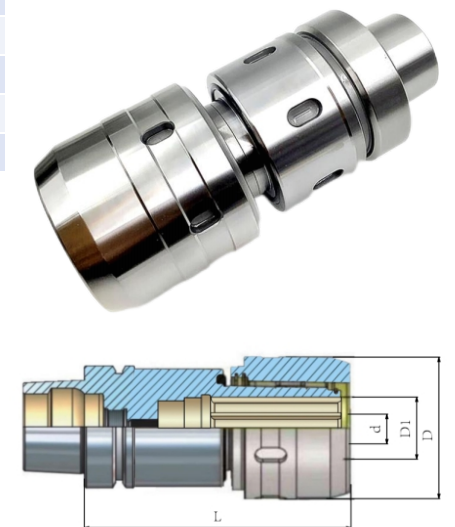


HSK-F MC强力刀柄 HSK-F MC POWER MILLING CHUCK

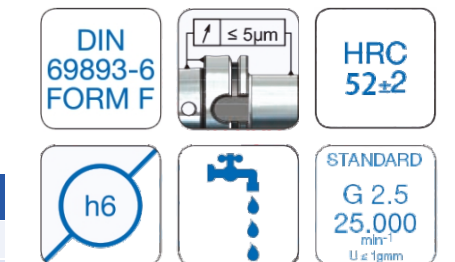


订单号/Order No.	型号/Model	d	D1	D	L	KG
990146.50F2090	HSK50F-MC20-90	3-16	20	62	90	1.8
990146.50F25100	HSK50F-MC25-100	3-20	25	62	90	1.9
990146.50F32110	HSK50F-MC32-110	3-25	32	68	110	2.1
990146.63F20100	HSK63F-MC20-100	3-16	20	62	100	2
990146.63F25100	HSK63F-MC25-100	3-20	25	62	100	2.1
990146.63F32120	HSK63F-MC32-120	3-25	32	68	120	2.4

产品配件

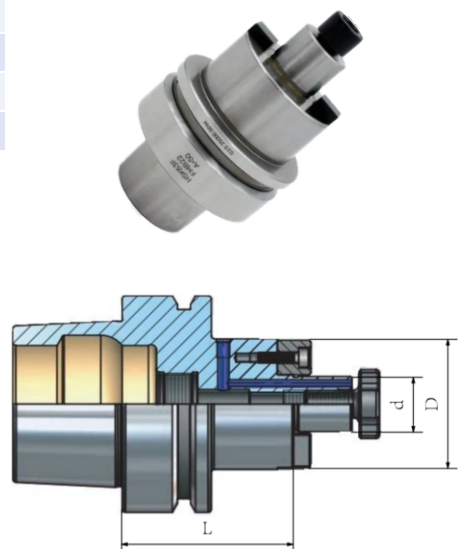


HSK-F FMB 面铣刀柄 HSK-F FMB FACE MILLING CHUCK



订单号/Order No.	型号/Model	d	D	L	KG
990141.50F1650	HSK50F-FMB16-50	16	38	50	0.95
990141.50F2260	HSK50F-FMB22-60	22	48	60	1.3
990141.50F2760	HSK50F-FMB27-60	27	58	60	1.4
990141.50F3260	HSK50F-FMB32-60	32	70	60	1.8
990141.63F1650	HSK63F-FMB16-50	16	38	50	1.5
990141.63F2260	HSK63F-FMB22-60	22	48	60	1.8

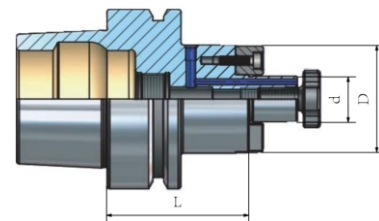
产品配件



HSK-F FMB 面铣刀柄

HSK-F FMB FACE MILLING CHUCK

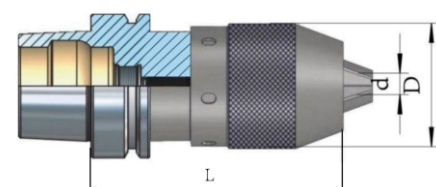
订单号/Order No.	型号/Model	d	D	L	KG
990141.63F2760	HSK63F-FMB27-60	27	58	60	1.95
990141.63F3260	HSK63F-FMB32-60	32	70	60	2.4
990141.63F4060	HSK63F-FMB40-60	40	80	60	2.85



HSK-F APU 钻夹头刀柄

HSK-F APU DRILL CHUCK

订单号/Order No.	型号/Model	d	D	L	KG
990134.50F08120	HSK50F-APU08-120	1-8	38	120	1.7
990134.50F13135	HSK50F-APU13-135	1-13	48	135	2.4
990134.50F16140	HSK50F-APU16-140	3-16	53	140	2.6
990134.63F08120	HSK63F-APU08-120	1-8	38	120	1.8
990134.63F13150	HSK63F-APU13-150	1-13	48	150	2.8
990134.63F16155	HSK63F-APU16-155	3-16	53	155	3



产品配件



HSK-F 主轴测量棒

HSK-F TEST BAR

订单号/Order No.	型号/Model	D	L	KG
990123.50F32200	HSK50F-D32-200	32	200	3.7
990123.63F40300	HSK63F-D40-300	40	300	5

HSK-T车铣复合

HSK-T TURNING AND MILLING SYSTEMS



HSK-T TOOLING SYSTEMS for TURNING MILL

The obvious choice for ISO standard,
HSK-T specs turning mill spindles!!

- ▶ A full range of milling tool holders, covering 70% of multi-tasking machine applications!
- ▶ Compatible with machining center holders!
- ▶ Supplied by tool holder manufacturer world wide!
- ▶ Extensive line-up and reasonable price!



Set screw holders for Round shank

For through-spindle coolant
CC type

For nozzle-coolant
CN type



Insert holders for Square-shank

For external turning and cutting off
SV type

For external / face turning
SA type

For external / face turning
SB type



For external / face turning
SC type

For external / face turning
SN type

For face turning
SH type

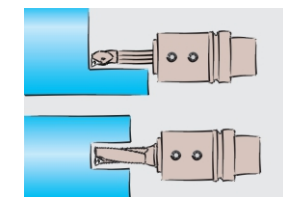
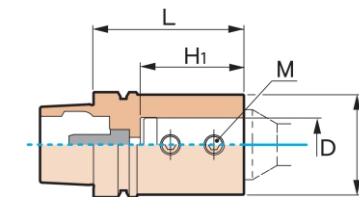


Set screw holders for Round shank

CC type for through-spindle coolant



T63-CC32-90



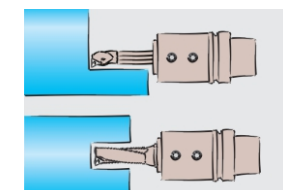
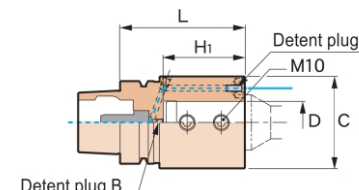
订单号/Order No.	L	Ø D	Ø C	H1	M	KG
T40-CC32-90	90	32	58	62	M12	1.2
T50-CC32-85	85	32	62	62	M12	1.4
T63-CC32-90	90	32	62	62	M12	1.6
T63-CC-40-100	100	40	68	72	M12	2
T100-CC40-105	105	40	82	72	M12	4.5
T100-CC40-115	115	50	92	82	M14	5.3

- Option
Sleeve for set screw holder (SS)
- Std. Access.
Coolant duct→P.104
- Note
Available for both boring bar and indexable drill.

CN type for nozzle-coolant



T63-CN32-95

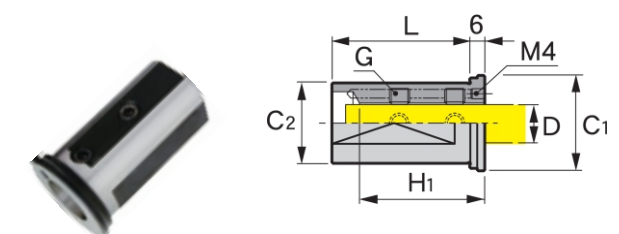


订单号/Order No.	L	Ø D	Ø C	H1	M	KG
T40-CN32-95	95	32	70	62	M12	2
T50-CN32-100	100	32	70	62	M12	2.1
T63-CN32-95	95	32	70	62	M12	2.2
T63-CN-40-105	105	40	78	71	M12	2.7
T100-CN40-115	115	40	82	72	M12	4.9
T100-CN50-125	125	50	92	82	M14	5.8

- Option
Sleeve for set screw holder(SS)
- Std. Access.
Coolant duct→P.104
Detent plug for a nozzle A = Set screw(M5—12L)
Detent plug for Center through B = Set screw(M5—5L)
- Note
The coolant nozzle direction is adjustable.
Nozzle-coolant type is available for through-spindle coolant.
Available for both boring bar and indexable drill.

Sleeve for set screw holders

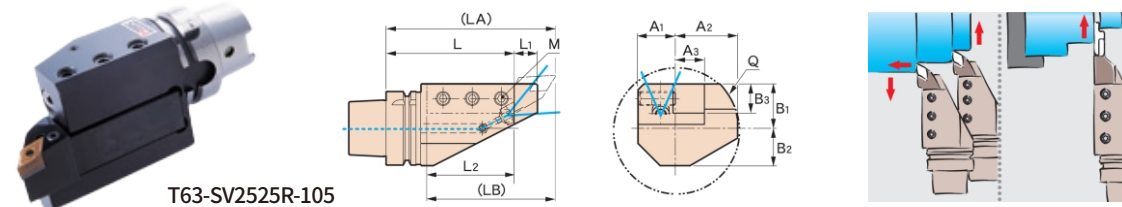
订单号/Order Nr.	L	Ø D	Ø C1	Ø C2	H1	M
SS32-8	55	8	38	32	35	M6
-10		10			40	M8
-12		12			45	M8
-16		16			50	M8
-20		20			50	M8
S-25		25			58	※
SS40-8	60	8	46	40	35	M6
-10		10			40	M8
-12		12			45	M8
-16		16			50	M8
-20		20			50	M10
-25		25			58	M10
-32		32			62	※



- Items marked with ※ in the G section of the list means they are screw-tightening type.
- Available for both boring bar and indexable drill.

Insert holders for Square-shank

SV type for external turning and cutting off



订单号/Order No.	L	L1	L2	(LA)	(LB)	A1	A2	A3	B1	B2	B3	M	Q	KG	
T40 -SV2020R-90	90	15	60	120	90	24.5	39	20	25	22	20	M10	78	1.5	
-SV2020L-90															
T50 -SV2020R-95	95	15	60	125	90	25	43.5	20	25	25	20	M10	87	1.9	
-SV2020L-95															
T63 -SV2020R-105	105	20	70	135	100	32	45	20	33	32	20	M12	90	2.7	
-SV2020L-105															
-SV2525R-105※															
-SV2525L-105※															
-SV2525R-105D	105	20	70	135	100	32	45	25	28	32	25	M12	90	2.7	
-SV2525L-105D															
-SV2525R-115	115	20	70	145	100	32	53.5	25	38	32	25	M12	108	3.3	
-SV2525L-115															
T100 -SV2525R-150	150	20	70	190	150	37	59	25	48	43	25	M12	118	9.1	
-SV2525L-150															
-SV3232R-150		25	100	195	145	40	68.5	32	47			32	M14	137	9.3
-SV3232L-150															

■ Std. Access.
Coolant duct→P.104

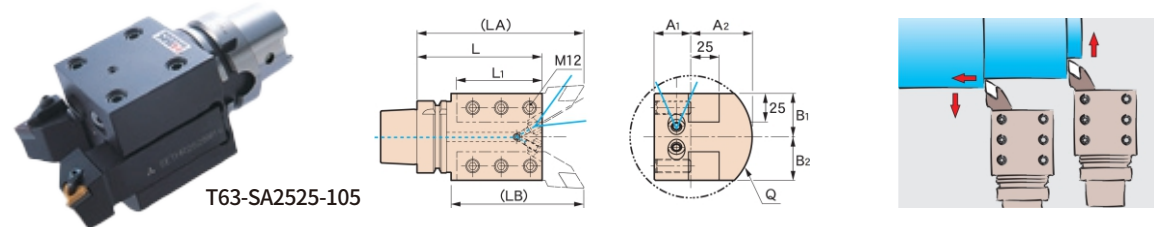
■ Note
The coolant nozzle direction is adjustable.

■ Caution

The maximum coolant pressure for the nozzle on the holder is 1.5MPa.
The holder marked with ※ in the chart cannot be installed on the Mazak INTEGREX I and J series.

SA type for external / face turning

The multi-inserts type holder reduces using holders



订单号/Order No.	L	L1	(LA)	(LB)	A1	A2	B1	B2	Q	KG
T63 -SA2525-105※	105	70	135	100	32	54	38	38	108	3.7
-115	115		145							
T100 -SA2525-150	150	70	185	105	37	59	48	48	118	9.3

■ Std. Access.
Coolant duct→P.104
Detent plug for a nozzle=Set screw(M5-12L) (Ex.) When using only right-hand, plug the nozzle on the left-hand side.

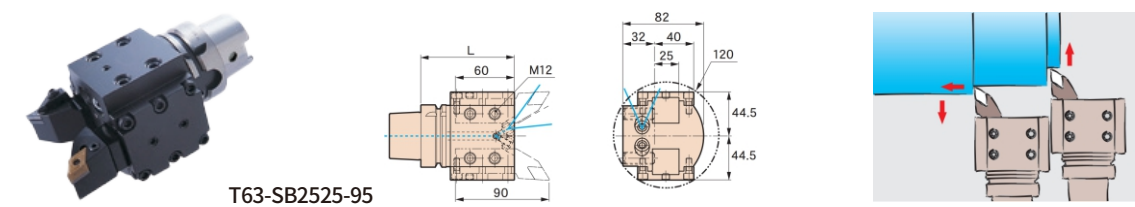
■ Note
The coolant nozzle direction is adjustable.

■ Caution

The maximum coolant pressure for the nozzle on the holder is 1.5MPa.
The holder marked with ※ in the chart cannot be installed on the Mazak INTEGREX I and J series.

SB type for external / face turning

The multi-inserts type holder reduces using holders quantity, it saves A.T.C. magazine pot.



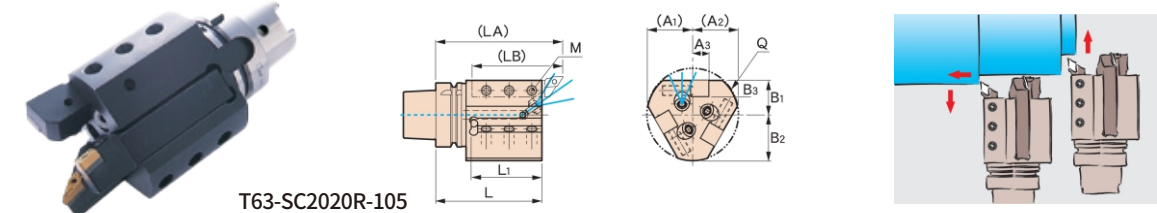
订单号/Order No.	L	L1
T40 -SB2525-95※	95	3.2
-105	105	

■ Std. Access.
Coolant duct→P.104
Detent plug for a nozzle=Set screw(M5-12L)
(Ex.) When using only right-hand, plug the nozzle on the left-hand side.

■ Note
The coolant nozzle direction is adjustable.
■ Caution
The maximum coolant pressure for the nozzle on the holder is 1.5MPa.
The holder marked with ※ in the chart cannot be installed on the Mazak INTEGREX I and J series.

SC type for external / face turning

The multi-inserts type holder reduces using holders quantity, it saves A.T.C. magazine pot.

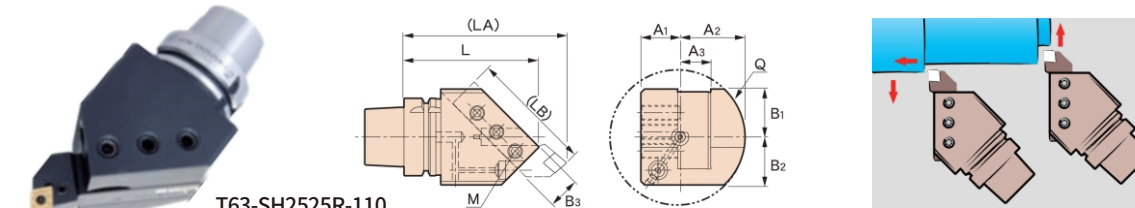


订单号/Order No.	L	L1	(LA)	(LB)	(A1)	(A2)	A3	B1	B2	B3	M	Q	KG
T40 -SC1616R-90	90	60	110	80	38	38	16	30	38.5	16	M10	77	1.7
T50 -SC2020R-95	95	60	125	90	44.5	44.5	20	35	45	20	M10	90	2.4
T63 -SC2020R-105	105	70	140	105	44.5	44.5	20	35	45	20	M12	90	3.0
T100 -SC2525R-150	150	70	185	105	59	59	25	48	59	25	M12	108	9.7

■ Std. Access.
Coolant duct→P.104
Detent plug for a nozzle=Set screw(M5-12L)

■ Note
The coolant nozzle direction is adjustable.

SN type for external / face turning



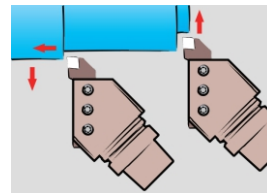
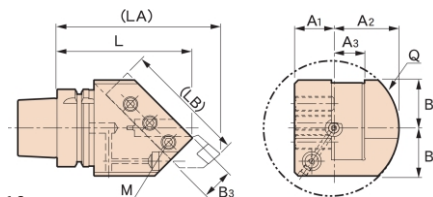
订单号/Order No.	L	(LA)	(LB)	A1	A2	A3	B1	B2	B3	M	Q	KG
T40 -SN2020R-100	100	125	80	25	40	20	32	32	20	M10	80	1.7
T50 -SN2020R-110	110	135	85	25	45	20	35	35	20	M10	90	2.2
T63 -SN2020R-110	110	135	85	25	45	20	35	35	20	M10	90	2.5
-SN2020L-110												
-SN2525R-110		140	105	32	53	25	39	39	25	M12	106	3.2
-SN2525L-110												

■ Std. Access.
Coolant duct→P.104
■ Note
The coolant nozzle direction is adjustable.
■ Caution
The maximum coolant pressure for the nozzle on the holder is 1.5MPa.

SN type for external / face turning



T63-SH2525R-110

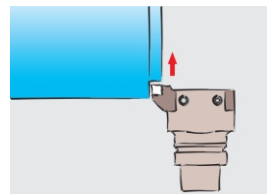
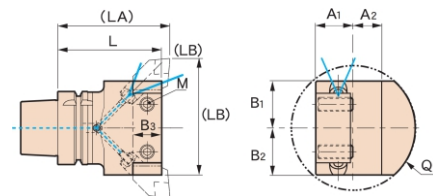


订单号/Order No.	L	(LA)	(LB)	A1	A2	A3	B1	B2	B3	M	Q	KG
T100-SN2525R-135	135	165	105	32	54	25	43	43	25	M12	108	6.1
-SN2525L-135												
-SN3232R-135		175	120	37	68.5	32	48		32	M14	137	7.2
-SN3232L-135												

SH type for face turning



T63-SH2525-90



订单号/Order No.	L	(LA)	(LB)	A1	A2	B1	B2	B3	M	Q	KG
T40 -SH2020-75	75	79	70	25	20	25	25	20	M12	80	1.2
-120	120	124									1.6
T50 -SH2020-90	90	94	75	25	20	27.5	27.5	20	M12	90	1.8
-120	120	124									2.3
T63 -SH2020-90	90	94	80	32	20	30	30	20	M12	90	2.5
-SH2525-90		97	100		25	40.5	40.5	25		108	2.9
-120		120									127
T100-SH2525-105	105	112	120	32	25	48	48	25	M12	118	6.1
-150	150	157									8.8
-SH3232-105	105	113	145	40	32	57	57	32	M14	148	7.7

■ Std. Access.

Coolant duct→P.104

Detent plug for a nozzle= Set screw(M5-12L)

(Ex.) When using only right-hand, plug the nozzle on the left-hand side.

■ Note

The coolant nozzle direction is adjustable.

■ Caution

The maximum coolant pressure for the nozzle on the holder is 1.5MPa.

NT刀柄系列

NT TOOLHOLDER SERIES



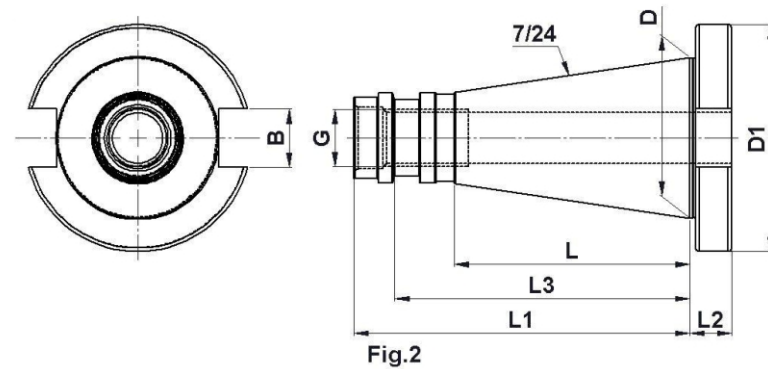


Fig.2

Machine Design	TAPER ISO	D	D1	L	L1	L2	L3	B	G
NT30	30	31.75	50	48.4	68.4	9.6		16.1	M12
NT40	40	44.45	63	65.4	93.4	11.6	82	16.1	M16
NT50	50	69.85	97.5	102.0	126.8	15.2	115	25.7	M24

锥度标准: DIN 2080 (德国工业标准 2080)

材质: 合金渗碳钢

表面处理: 工艺发蓝, 抛光

锥度公差: 小于 At3 级

硬度: 洛氏硬度 58-62

渗碳层深度: 0.8 ± 0.2 毫米

表面粗糙度: $Ra < 0.005$ 毫米

Taper standard: DIN 2080

Material: Alloyed case hardened steel

Surface Treatment: Anti-rust treatment; Polishing treatment

Taper tolerance: <At3

Hardness: HRC 58-62

Carbon depth: 0.8 ± 0.2 mm

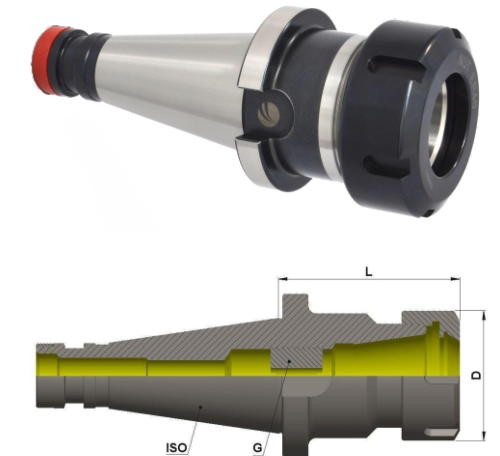
Surface Roughness: $Ra < 0.005$ mm

NT
tool holder

NT-ER弹簧夹头刀柄

NT-ER COLLET CHUCK

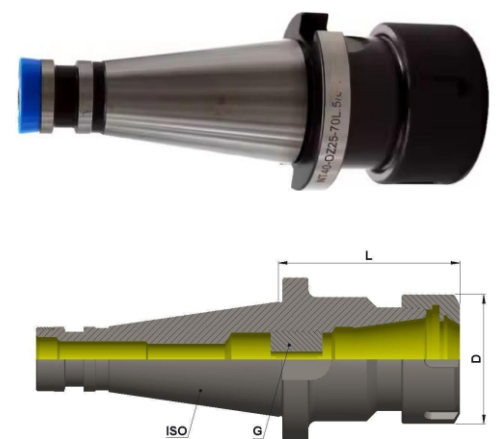
Model	D	D1	L	Capacity
NT30-ER16A-50	28	28	50	1-10
NT30-ER20A-50	34	34	50	1-13
NT30-ER25-50	42	42	50	2-16
NT30-ER32-50	40	50	50	2-20
NT30-ER40-50	50	63	80	4-26
NT30-ER16M-70	22	22	70	1-10
NT30-ER20M-70	28	28	70	1-13
NT30-ER25M-70	35	35	70	2-16



NT-OZ夹头刀柄

NT-OZ COLLET CHUCK

Model	D	D1	Capacity
NT30-OZ16-50	43	50	2-16
NT30-OZ25-70	60	70	1-13
NT40-OZ16-70	43	70	2-16
NT40-OZ25-70	60	70	2-20
NT40-OZ32-80	72	80	4-26
NT50-OZ25-70	60	70	1-10
NT50-OZ32-80	72	80	1-13

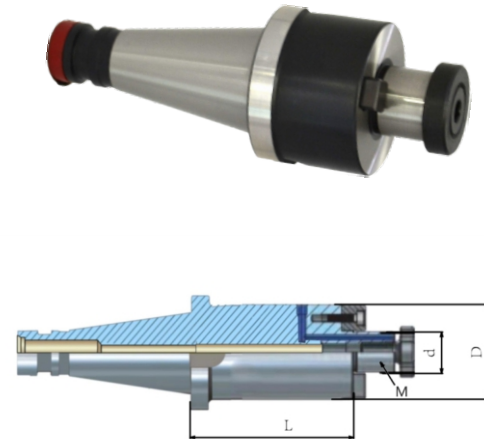


NT
tool holder

NT-FMB面铣刀柄

NT-FMB FACE MILLING HOLDER

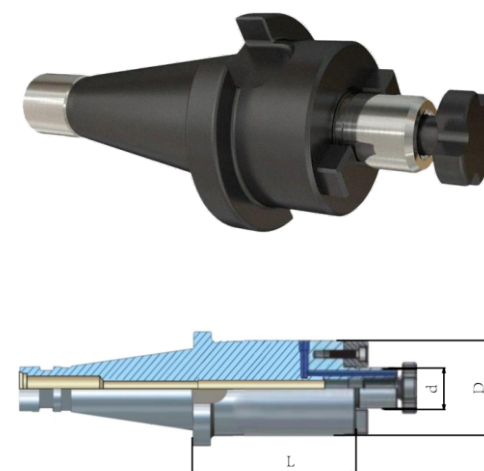
Model	d	D	L	M
NT30-FMB16-30	16	38	30	M8
NT30-FMB22-30	22	48	30	M10
NT30-FMB27-45	27	58	45	M12
NT30-FMB32-50	32	78	50	M16
NT40-FMB16-30	16	38	30	M8
NT40-FMB22-30	22	48	30	M10
NT40-FMB27-30	27	58	30	M12
NT40-FMB32-30	32	78	30	M16
NT40-FMB40-30	40	88	30	M16
NT50-FMB16-30	16	38	30	M8
NT50-FMB22-35	22	48	35	M10
NT50-FMB27-35	27	58	35	M12
NT50-FMB32-40	32	78	40	M16
NT50-FMB40-40	40	88	40	M16



NT-SEMC混合插入式铣刀柄

NT-SEMC COMBI SHELL MILL HOLDER

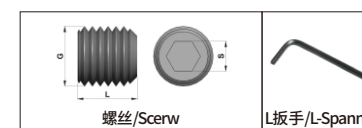
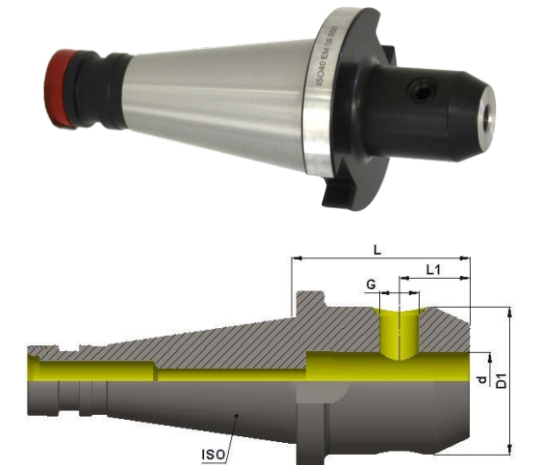
Model	d	D	L	L1
NT30-SEMC16-35	16	32	35	17
NT30-SEMC22-35	22	40	35	19
NT30-SEMC27-35	27	48	35	21
NT30-SEMC32-50	32	58	50	24
NT40-SEMC16-52	16	32	52	17
NT40-SEMC22-50	22	40	52	19
NT40-SEMC27-52	27	48	52	21
NT40-SEMC32-52	32	58	52	24
NT40-SEMC40-52	40	70	52	27
NT50-SEMC16-55	16	32	55	17
NT50-SEMC22-55	22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



NT-SLA侧固刀柄

NT-SLA END MILL HOLDER

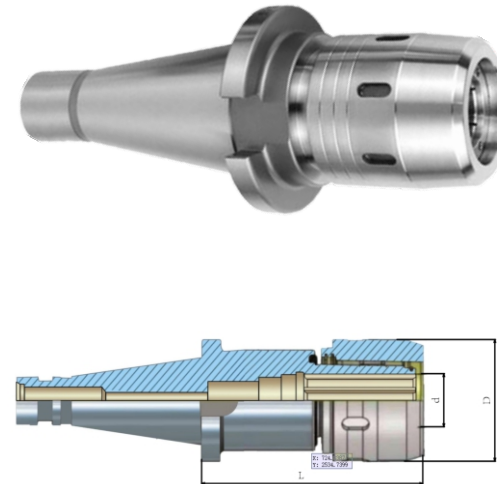
Model	d	D1	L
NT30-SLA6-40	6	28	40
NT30-SLA8-40	8	34	40
NT30-SLA10-40	10	42	40
NT30-SLA12-40	12	50	40
NT30-SLA16-50	16	63	50
NT30-SLA18-50	18	22	50
NT30-SLA20-63	20	28	63
NT40-SLA6-50	6	35	50
NT40-SLA8-50	8	42	50
NT40-SLA10-50	10	50	50
NT40-SLA12-50	12	63	50
NT40-SLA14-50	14	22	50
NT40-SLA16-63	16	28	63
NT40-SLA18-63	18	35	63
NT40-SLA20-63	20	28	63
NT40-SLA25-80	25	35	80
NT40-SLA32-80	32	42	80
NT40-SLA40-90	40	50	90
NT50-SLA6-63	6	63	63
NT50-SLA8-63	8	22	63
NT50-SLA10-63	10	28	63
NT50-SLA12-63	12	35	63
NT50-SLA14-63	14	28	63
NT50-SLA16-63	16	35	63
NT50-SLA18-63	18	42	63
NT50-SLA20-63	20	50	63
NT50-SLA25-80	25	63	80
NT50-SLA32-80	32	22	80
NT50-SLA40-90	40	28	90



NT-MC强力铣刀柄

NT-MC POWER MILLING CHUCK

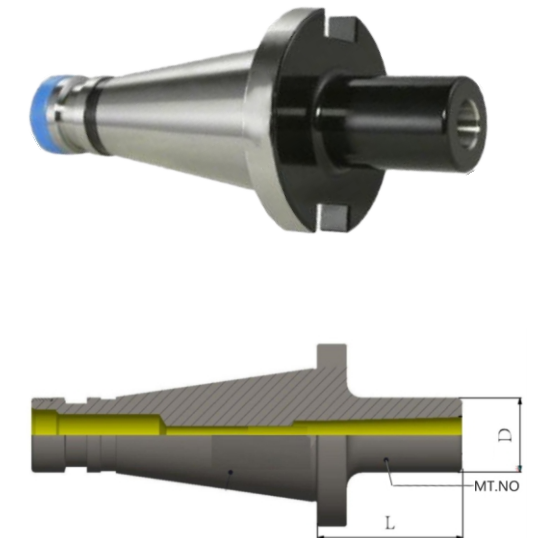
Model	d	D	L	H	M
NT40-MC25-90	25	59	90	3-20;25	M16
NT40-MC32-90	32	70	90	3-25;32	M16
NT40-MC32-105	32	70	105	3-25;32	M16
NT50-MC25-80	25	59	85	3-20;25	M24
NT50-MC32-90	32	70	90	3-25;32	M24
NT50-MC42-95	42	99	95	3-32;42	M24
NT50-MC25-150	25	59	150	3-20;25	M24
NT50-MC32-150	32	70	150	3-25;32	M24
NT50-MC42-150	42	99	150	3-32;42	M24



NT-MTB莫氏刀柄

NT-MTB MORSE TAPER ADAPTER

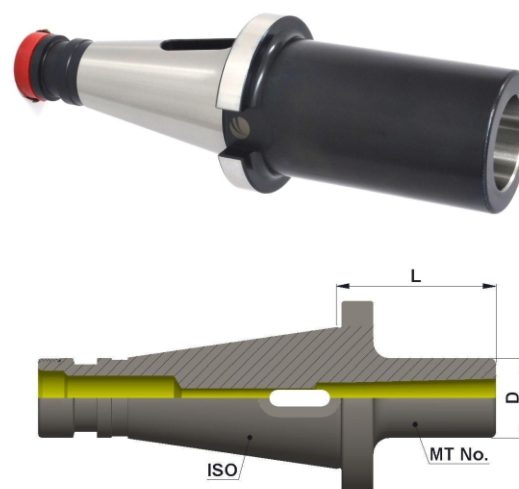
Model	MT.No	L	D
NT30-MTB1-45	1	45	25
NT30-MTB2-60	2	60	32
NT30-MTB3-70	3	70	40
NT40-MTB1-50	1	50	25
NT40-MTB2-20	2	50	32
NT40-MTB3-65	3	65	40
NT40-MTB4-95	4	95	48
NT50-MTB1-60	2	60	25
NT50-MTB2-60	2	60	32
NT50-MTB3-65	3	65	40
NT50-MTB4-65	4	65	48
NT50-MTB5-120	5	120	63



NT-MTA莫氏刀柄

NT-MTA MORSE TAPER ADAPTER

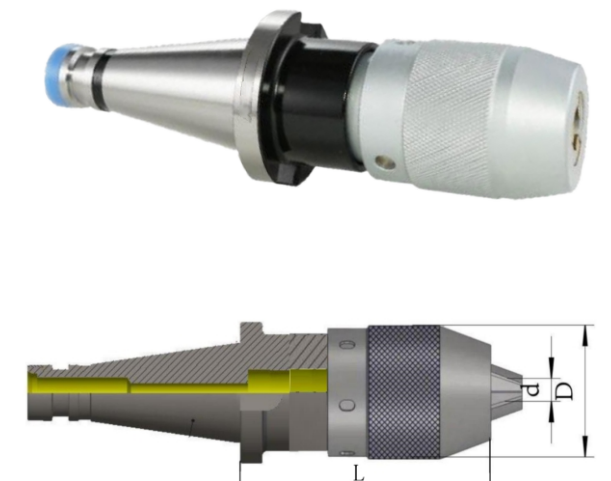
Model	MT.No.	L	D
NT30-MTA1-50	1	50	25
NT30-MTA2-50	2	50	32
NT30-MTA3-75	3	75	40
NT40-MTA1-50	1	50	25
NT40-MTA2-50	2	50	32
NT40-MTA3-65	3	65	40
NT40-MTA4-95	4	95	48
NT50-MTA1-45	2	45	25
NT50-MTA2-60	2	60	32
NT50-MTA3-65	3	65	40
NT50-MTA4-70	4	70	48
NT50-MTA5-105	5	105	63



NT-APU 钻夹头刀柄

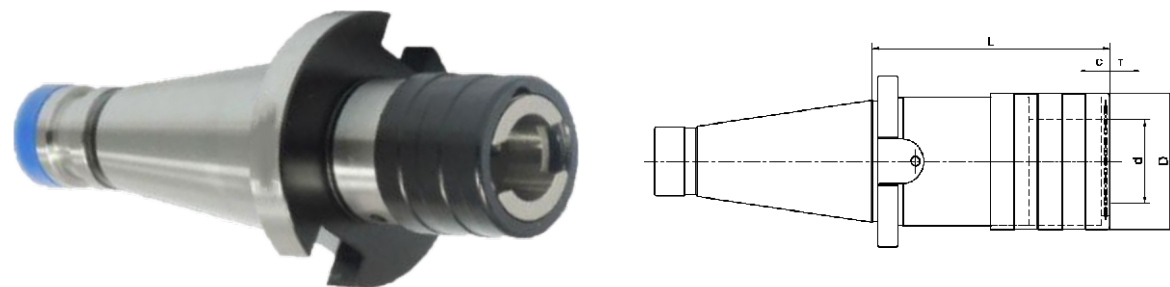
NT-APU DRILL CHUCK

Model	D	L	Capacity
NT30-APU08-80	38	80	1-8
NT30-APU13-100	48	100	1-13
NT40-APU08-85	38	85	1-8
NT40-APU13-110	48	110	1-13
NT40-APU16-130	53	130	3-16
NT50-APU08-95	38	90	1-8
NT50-APU13-120	48	120	1-13
NT50-APU16-130	53	130	3-16

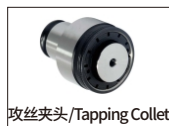


NT-TC同步攻丝刀柄

NT-TC TAPPING CHUCK



Model	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	19	36	55	7.5	7.5
NT40-TC820-86	31	53	86	12.5	12.5
NT40-TC1433-132	48	78	132	22	22
NT50-TC312-62	19	36	62	7.5	7.5
NT50-TC820-90	31	53	90	12.5	12.5
NT50-TC1433-117	48	78	117	22	22



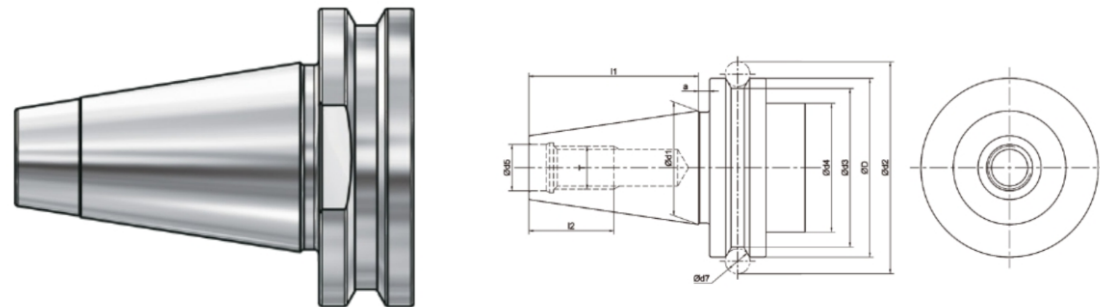
NT
tool holder

ISO刀柄系列

ISO TOOLHOLDER SERIES



ISO Taper Standard ISO锥柄标准



型号/Model	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

合金钢:合金化淬火钢
 表面处理:工艺发蓝, 抛光
 锥度公差: < AT3
 硬度: hrc58 -62
 碳深: 0.8 ± 0.2 mm
 表面粗糙度: $Ra < 0.005$ mm
 平衡: G2.5/25000
 冷却: AD
 rial : Alloyed case hardened steel
 Surface Treatment :Anti-rust treatment;Polishing treatment
 Taper tolerance : < At3
 Hardness: HRC 5 8 - 6 2
 Carbon depth : 0.8 ± 0.2 mm
 Surface Roughness : $Ra < 0.005$ mm
 Balancing : G2.5/25000
 Cooling : AD

ISO-ER 筒夹刀柄 ISO-ER COLLET CHUCK

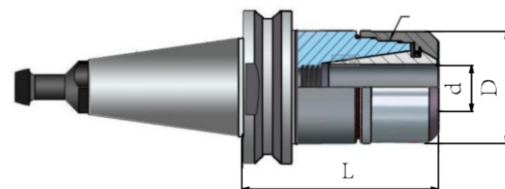


订单号/Order No.	型号/Model	D	d	L	KG
990745.201635	ISO20-ER16MS-35	33	1-10	35	--
990745.202035	ISO20-ER20MS-35	33	1-13	35	--
990745.251635	ISO25-ER16MS-35	37	1-10	35	--
990745.252035	ISO25-ER20MS-35	37	1-13	35	--
990745.252535	ISO25-ER25MS-35	37	1-16	35	--
990745.301645	ISO30-ER16-45	50	1-10	45	--
990745.301670	ISO30-ER16-60	50	1-10	60	--
990745.3016100	ISO30-ER16-100	50	1-10	100	--
990745.302045	ISO30-ER20-45	50	1-13	45	--
990745.302060	ISO30-ER20-60	50	1-13	60	--
990745.3020100	ISO30-ER20-100	50	1-13	100	--
990745.302545	ISO30-ER25-45	50	1-16	45	--
990745.302560	ISO30-ER25-60	50	1-16	60	--
990745.3025100	ISO30-ER25-100	50	1-16	100	--
990745.303245	ISO30-ER32-45	50	2-20	45	--
990745.303260	ISO30-ER32-60	50	2-20	60	--
990745.3032100	ISO30-ER32-100	50	2-20	100	--
990745.304060	ISO30-ER40-60	50	2-26	60	--
990745.3040100	ISO30-ER40-100	50	2-26	100	--

ISO-GER 高速筒夹刀柄

ISO-GER HIGH SPEED COLLET CHUCK

STANDARD
G 2.5
25.000
min⁻¹
U ≤ 1gmm



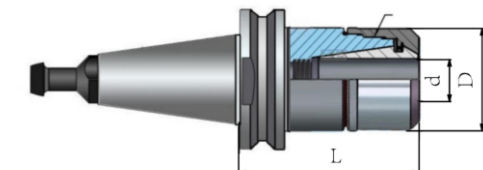
订单号/Order No.	型号/Model	D	d	L	KG
990744.201635	ISO20-GER16-35	33	1-10	35	--
990744.202035	ISO20-GER20-35	33	1-13	35	--
990744.251635	ISO25-GER16-35	37	1-10	35	--
990744.252035	ISO25-GER20-35	37	1-13	35	--
990744.252535	ISO25-GER25-35	37	1-16	35	--
990744.301645	ISO30-GER16-45	50	1-10	45	--
990744.301670	ISO30-GER16-60	50	1-10	60	--
990744.3016100	ISO30-GER16-100	50	1-10	100	--
990744.302045	ISO30-GER20-45	50	1-13	45	--
990744.302060	ISO30-GER20-60	50	1-13	60	--
990744.3020100	ISO30-GER20-100	50	1-13	100	--
990744.302545	ISO30-GER25-45	50	1-16	45	--
990744.302560	ISO30-GER25-60	50	1-16	60	--
990744.3025100	ISO30-GER25-100	50	1-16	100	--
990744.303245	ISO30-GER32-45	50	2-20	45	--
990744.303260	ISO30-GER32-60	50	2-20	60	--
990744.3032100	ISO30-GER32-100	50	2-20	100	--
990744.304060	ISO30-GER40-60	50	2-26	60	--
990744.3040100	ISO30-GER40-100	50	2-26	100	--

ISO
tool holder

ISO-GSK 高速刀柄

ISO-GSK HIGH SPEED COLLET CHUCK

STANDARD
G 2.5
25.000
min⁻¹
U ≤ 1gmm



订单号/Order No.	型号/Model	D	d	L	KG
990743.200645	ISO20-GSK06-45	19	1-6	45	--
990743.201045	ISO20-GSK10-45	27	1-10	45	--
990743.251045	ISO25-GSK10-45	27	1-10	45	--
990743.251345	ISO25-GSK13-45	35	3-13	45	--
990743.301045	ISO30-SK10-45	27	1-10	45	--
990743.301060	ISO30-SK10-60	27	1-10	60	--
990743.301660	ISO30-SK16-60	40	3-16	60	--

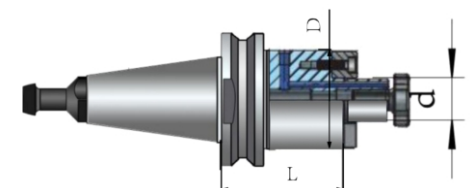
ISO-FMB平面铣刀柄

ISO-FMB FACE MILLING HOLDER

STANDARD
G 2.5
25.000
min⁻¹
U ≤ 1gmm



订单号/Order No.	型号/Model	d	D	L	KG
990741.202245	ISO20-FMB22-45	22	48	45	--
990741.252245	ISO25-FMB22-45	22	48	45	--
990741.302245	ISO30-FMB22-45	22	48	45	--
990741.302745	ISO30-FMB27-45	27	58	45	--
990741.303245	ISO30-FMB32-45	32	63	45	--



ISO
tool holder

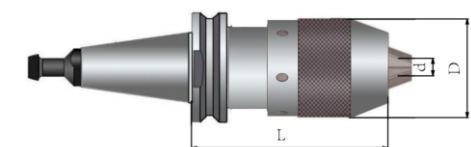
ISO-APU钻夹头刀柄

ISO-APU DRILL CHUCK

STANDARD
G 2.5
25.000
min⁻¹
U ≤ 1gmm



订单号/Order No.	型号/Model	d	L	KG
990734.300885	ISO30-APU08-85	1-8	85	--
990734.3013100	ISO30-APU13-100	1-13	100	--
990734.3016100	ISO30-APU16-100	2-16	100	--



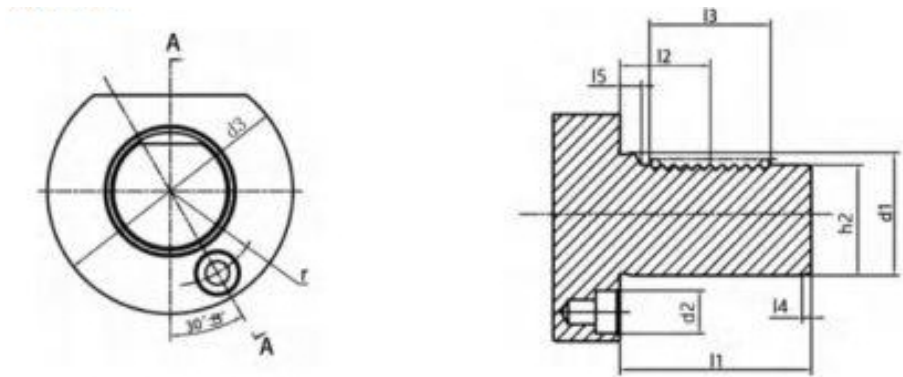
VDI刀座系列

VDI TOOLHOLDER SERIES



VDI 锥柄标准

VDI TAPER STANDARD



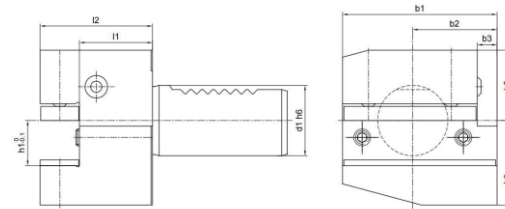
d1 H6	h1 max	d2	d3	h2±0.1	r±0.02	l1 max	l2±0.05	l3 min	l4 max	l5
16	12	8	40	15	14.5	32	12.7	16	2	3.5
20	16	10	50	18	18	40	21.7	24	2	7
25	16	10	58	23.5	21	48	21.7	24	2	7
30	20	14	68	27	25	55	29.7	40	2	7
40	25	14	83	36	32	63	29.7	40	3	7
50	32	16	98	45	37	78	35.7	48	3	8
60	32	16	123	55	48	94	43.7	56	4	10
80	40	20	158	72	65	124	49.7	80	4	10

VDI

短型横向右刀夹

Radial Holder Form B1 Right, Short

TOOL HOLDER DIN69880



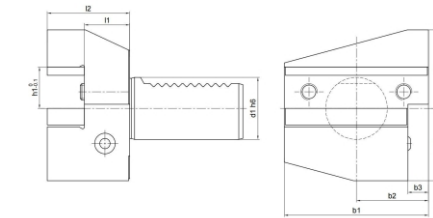
订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	KG
880-B161	B1-16x12x24	16	42	23	5	12	20	22	13	24	0.42
880-B162	B1-16x12x34	16	42	23	5	12	20	22	23	34	0.45
880-B163	B1-20x16x30	20	55	30	7	16/12	25	30	16	30	0.55
880-B164	B1-20x16x40	20	55	30	7	16/12	25	30	26	40	0.75
880-B165	B1-25x16x30	25	55	30	7	16/12	25	30	16	30	0.68
880-B166	B1-25x16x40	25	55	30	7	16/12	25	30	26	40	0.92
880-B167	B1-30x20x40	30	70	35	10	20/16	28	38	22	40	1.29
880-B168	B1-30x20x60	30	70	35	10	20/16	28	38	42	60	1.56
880-B169	B1-40x25x44	40	85	42.5	12.5	25/20	32.5	48	22	44	2.28
880-B170	B1-50x32x55	50	100	50	16	32/25	35	60	30	55	3.9
880-B171	B1-60x32x60	60	125	62.5	16	32/25	42.5	62.5	30	60	6.41
880-B172	B1-80x40x75	80	160	80	20	40/32	55	80	40	75	13.5



短型横向反切右刀夹

Radial Holder Form B3 Inverted Right, Short

TOOL HOLDER DIN69880



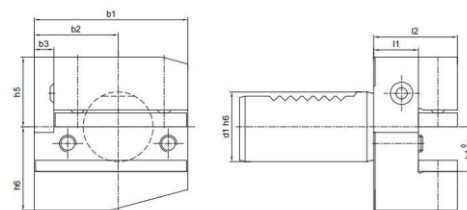
订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	KG
880-B185	B3-16x12x24	16	42	23	5	12	20	22	13	24	0.45
880-B186	B3-16x12x34	16	42	23	5	12	20	22	23	34	0.48
880-B187	B3-20x16x30	20	55	30	7	16/12	25	30	16	30	0.59
880-B188	B3-20x16x40	20	55	30	7	16/12	25	30	26	40	0.78
880-B189	B3-25x16x30	25	55	30	7	16/12	25	30	16	30	0.71
880-B190	B3-25x16x40	25	55	30	7	16/12	25	30	26	40	0.95
880-B191	B3-30x20x40	30	70	35	10	20/16	35	38	22	40	1.33
880-B192	B3-30x20x60	30	70	35	10	20/16	35	38	42	60	1.45
880-B193	B3-40x25x44	40	85	42.5	12.5	25/20	42.5	48	22	44	2.34
880-B194	B3-50x32x55	50	100	50	16	32/25	50	60	30	55	4.2
880-B195	B3-60x32x60	60	125	62.5	16	32/25	62.5	62.5	30	60	7.11
880-B196	B3-80x40x75	80	160	80	20	40/32	80	80	40	75	14



短型横向左刀夹

Radial Holder Form B2 Left, Short

TOOL HOLDER DIN69880



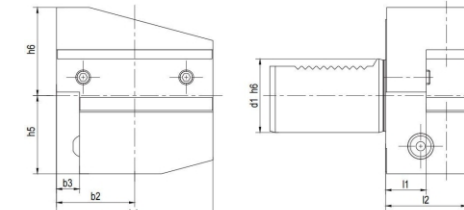
订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	KG
880-B173	B2-16x12x24	16	42	23	5	12	20	22	13	24	0.42
880-B174	B2-16x12x34	16	42	23	5	12	20	22	23	34	0.45
880-B175	B2-20x16x30	20	55	30	7	16/12	25	30	16	30	0.55
880-B176	B2-20x16x40	20	55	30	7	16/12	25	30	26	40	0.75
880-B177	B2-25x16x30	25	55	30	7	16/12	25	30	16	30	0.68
880-B178	B2-25x16x40	25	55	30	7	16/12	25	30	26	40	0.92
880-B179	B2-30x20x40	30	70	35	10	20/16	28	38	22	40	1.29
880-B180	B2-30x20x60	30	70	35	10	20/16	28	38	42	60	1.56
880-B181	B2-40x25x44	40	85	42.5	12.5	25/20	32.5	48	22	44	2.28
880-B182	B2-50x32x55	50	100	50	16	32/25	35	60	30	55	3.9
880-B183	B2-60x32x60	60	125	62.5	16	32/25	42.5	62.5	30	60	6.41
880-B184	B2-80x40x75	80	160	80	20	40/32	55	80	40	75	13.5



短型横向反切左刀夹

Radial Holder Form B4 Inverted Left, Short

TOOL HOLDER DIN69880



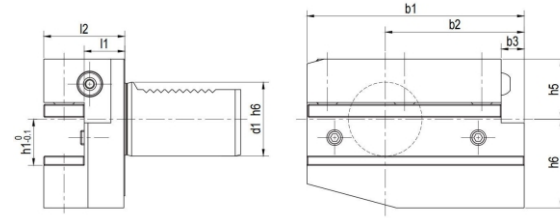
订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	KG
880-B197	B4-16x12x24	16	42	23	5	12	20	22	13	24	0.3
880-B198	B4-16x12x34	16	42	23	5	12	20	22	23	34	0.44
880-B199	B4-20x16x30	20	55	30	7	16/12	25	30	16	30	0.59
880-B200	B4-20x16x40	20	55	30	7	16/12	25	30	26	40	0.78
880-B201	B4-25x16x30	25	55	30	7	16/12	25	30	16	30	0.71
880-B202	B4-25x16x40	25	55	30	7	16/12	25	30	26	40	0.95
880-B203	B4-30x20x40	30	70	35	10	20/16	35	38	22	40	1.34
880-B204	B4-30x20x60	30	70	35	10	20/16	35	38	42	60	1.45
880-B205	B4-40x25x44	40	85	42.5	12.5	25/20	42.5	48	22	44	2.51
880-B206	B4-50x32x55	50	100	50	16	32/25	50	60	30	55	4.23
880-B207	B4-60x32x60	60	125	62.5	16	32/25	62.5	62.5	30	60	7.41
880-B208	B4-80x40x75	80	160	80	20	40/32	80	80	40	75	14



长型横向右刀夹

Radial Holder Form B5 Right, Long

TOOL HOLDER DIN69880



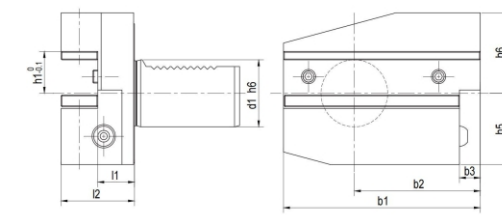
订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	KG
880-B209	B5-16x12x24	16	58	39	5	12	20	22	13	24	0.4
880-B210	B5-16x12x34	16	58	39	5	12	20	22	23	34	0.4
880-B211	B5-20x16x30	20	75	50	7	16/12	25	30	16	30	0.42
880-B212	B5-20x16x40	20	75	50	7	16/12	25	30	26	40	0.72
880-B213	B5-25x16x30	25	75	50	7	16/12	25	30	16	30	0.85
880-B214	B5-25x16x40	25	75	50	7	16/12	25	30	26	40	1.28
880-B215	B5-30x20x40	30	100	65	10	20/16	28	38	22	40	1.73
880-B216	B5-30x20x60	30	100	65	10	20/16	28	38	42	60	1.98
880-B217	B5-40x25x44	40	118	75.5	12.5	25/20	32.5	48	22	44	2.88
880-B218	B5-50x32x55	50	130	80	16	32/25	35	60	30	55	5
880-B219	B5-60x32x60	60	145	82.5	16	32/25	42.5	62.5	30	60	7.14
880-B220	B5-80x40x75	80	190	110	20	40/32	55	80	40	75	14



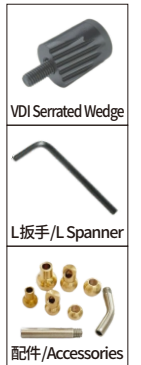
长型横向反切右刀夹

Radial Holder Form B7Inverted Right, Long

TOOL HOLDER DIN69880



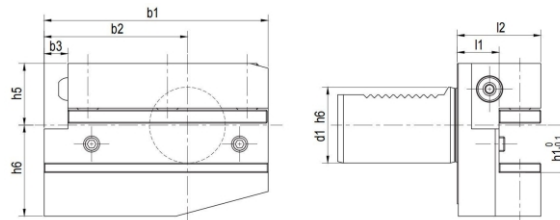
订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	KG
880-B233	B7-16x12x24	16	58	39	5	12	20	22	13	24	0.54
880-B234	B7-16x12x34	16	58	39	5	12	20	22	23	34	0.6
880-B235	B7-20x16x30	20	75	50	7	16/12	25	30	16	30	0.8
880-B236	B7-20x16x40	20	75	50	7	16/12	25	30	26	40	1.2
880-B237	B7-25x16x30	25	75	50	7	16/12	25	30	16	30	0.94
880-B238	B7-25x16x40	25	75	50	7	16/12	25	30	26	40	1.41
880-B239	B7-30x20x40	30	100	65	10	20/16	35	38	22	40	1.84
880-B240	B7-30x20x60	30	100	65	10	20/16	35	38	42	60	2.65
880-B241	B7-40x25x44	40	118	75.5	12.5	25/20	42.5	48	22	44	3.16
880-B242	B7-50x32x55	50	130	80	16	32/25	50	60	30	55	5.32
880-B243	B7-60x32x60	60	145	82.5	16	32/25	62.5	62.5	30	60	7.5
880-B244	B7-80x40x75	80	190	110	20	40/32	80	80	40	75	14.5



长型横向左刀夹

Radial Holder Form B6 Left, Long

TOOL HOLDER DIN69880



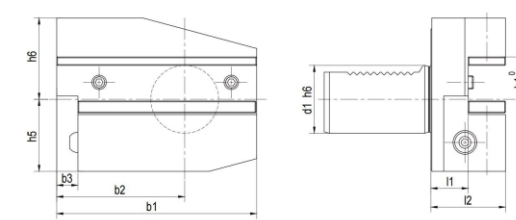
订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	KG
880-B221	B6-16x12x24	16	58	39	5	12	20	22	13	24	0.4
880-B222	B6-16x12x34	16	58	39	5	12	20	22	23	34	0.4
880-B223	B6-20x16x30	20	75	50	7	16/12	25	30	16	30	0.42
880-B224	B6-20x16x40	20	75	50	7	16/12	25	30	26	40	0.72
880-B225	B6-25x16x30	25	75	50	7	16/12	25	30	16	30	0.85
880-B226	B6-25x16x40	25	75	50	7	16/12	25	30	26	40	1.28
880-B227	B6-30x20x40	30	100	65	10	20/16	28	38	22	40	1.73
880-B228	B6-30x20x60	30	100	65	10	20/16	28	38	42	60	1.98
880-B229	B6-40x25x44	40	118	75.5	12.5	25/20	32.5	48	22	44	2.88
880-B230	B6-50x32x55	50	130	80	16	32/25	35	60	30	55	5
880-B231	B6-60x32x60	60	145	82.5	16	32/25	42.5	62.5	30	60	7.14
880-B232	B6-80x40x75	80	190	110	20	40/32	55	80	40	75	14



长型横向反切左刀夹

Radial Holder Form B8 Inverted Left, Long

TOOL HOLDER DIN69880



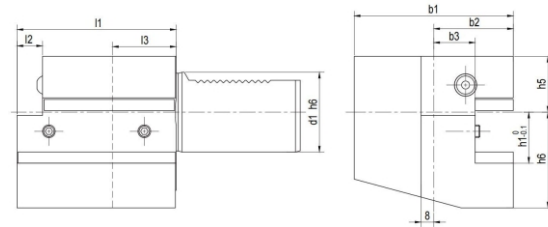
订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	KG
880-B245	B8-16x12x24	16	58	39	5	12	20	22	13	24	0.51
880-B246	B8-16x12x34	16	58	39	5	12	20	22	23	34	0.63
880-B247	B8-20x16x30	20	75	50	7	16/12	25	30	16	30	0.8
880-B248	B8-20x16x40	20	75	50	7	16/12	25	30	26	40	1.2
880-B249	B8-25x16x30	25	75	50	7	16/12	25	30	16	30	0.94
880-B250	B8-25x16x40	25	75	50	7	16/12	25	30	26	40	1.41
880-B251	B8-30x20x40	30	100	65	10	20/16	35	38	22	40	1.84
880-B252	B8-30x20x60	30	100	65	10	20/16	35	38	42	60	2.65
880-B253	B8-40x25x44	40	118	75.5	12.5	25/20	42.5	48	22	44	3.16
880-B254	B8-50x32x55	50	130	80	16	32/25	50	60	30	55	5.32
880-B255	B8-60x32x60	60	145	82.5	16	32/25	62.5	62.5	30	60	7.5
880-B256	B8-80x40x75	80	190	110	20	40/32	80	80	40	75	14.5



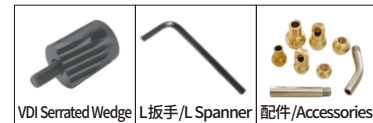
纵向右刀夹

Axial Holder Form C1 Right

TOOL HOLDER DIN69880



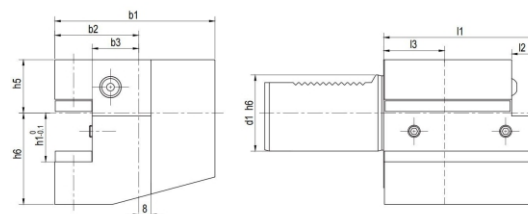
订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	L3	KG
880-C161	C1-16x12x44	16	43	24	13	12	20	22	44	5	20	0.73
880-C162	C1-20x16x50	20	65	40	26	16/12	25	30	50	-	30	0.88
880-C163	C1-20x16x55	20	52	27	13	16/12	25	30	55	7	30	1
880-C164	C1-25x16x55	25	58	33	19	16/12	25	30	55	7	20	0.91
880-C165	C1-30x20x70	30	70	35	17	20/16	28	38	70	10	30	1.79
880-C166	C1-40x25x85	40	85	42.5	21	25/20	32.5	48	85	12.5	30	3.12
880-C167	C1-50x32x100	50	100	50	26	32/25	35	60	100	16	40	5.37
880-C168	C1-60x32x125	60	125	62.5	33	32/25	42.5	62.5	125	16	40	9.15
880-C169	C1-80x40x160	80	160	80	42	40/32	55	80	160	20	40	19



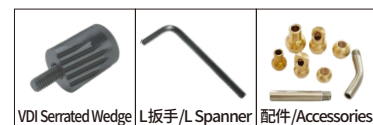
纵向左刀夹

Axial Holder Form C2 Left

TOOL HOLDER DIN69880



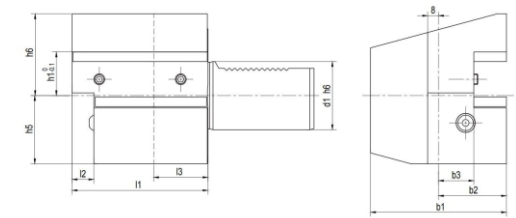
订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	L3	KG
880-C170	C2-16x12x44	16	43	24	13	12	20	22	44	5	20	0.73
880-C171	C2-20x16x50	20	65	40	26	16/12	25	30	50	-	30	0.88
880-C172	C2-20x16x55	20	52	27	13	16/12	25	30	55	7	30	1
880-C173	C2-25x16x55	25	58	33	19	16/12	25	30	55	7	20	0.91
880-C174	C2-30x20x70	30	70	35	17	20/16	28	38	70	10	30	1.97
880-C175	C2-40x25x85	40	85	42.5	21	25/20	32.5	48	85	12.5	30	3.42
880-C176	C2-50x32x100	50	100	50	26	32/25	35	60	100	16	40	5.73
880-C177	C2-60x32x125	60	125	62.5	33	32/25	42.5	62.5	125	16	40	9.15
880-C178	C2-80x40x160	80	160	80	42	40/32	55	80	160	20	40	19



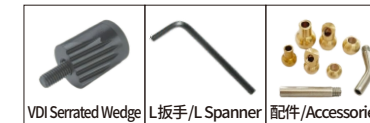
纵向反切右刀夹

Axial Holder Form C3 Inverted Right

TOOL HOLDER DIN69880



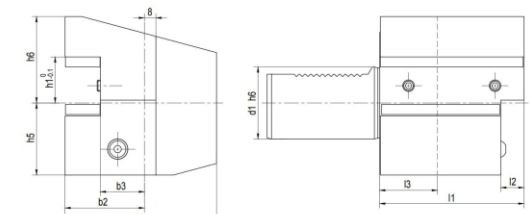
订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	L3	KG
880-C179	C3-16x12x44	16	43	24	13	12	20	22	44	5	20	0.78
880-C180	C3-20x16x50	20	65	40	26	16/12	25	30	50	-	30	1
880-C181	C3-20x16x55	20	52	27	13	16/12	25	30	55	7	30	1.2
880-C182	C3-25x16x55	25	58	33	19	16/12	25	30	55	7	20	1.04
880-C183	C3-30x20x70	30	70	35	17	20/16	35	38	70	10	30	2.12
880-C184	C3-40x25x85	40	85	42.5	21	25/20	42.5	48	85	12.5	30	3.68
880-C185	C3-50x32x100	50	100	50	26	32/25	50	60	100	16	40	6.2
880-C186	C3-60x32x125	60	125	62.5	33	32/25	62.5	62.5	125	16	40	10
880-C187	C3-80x40x160	80	160	80	42	40/32	80	80	160	20	40	20.5



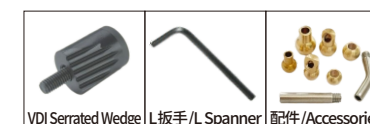
纵向反切左刀夹

Axial Holder Form C4 Inverted Left

TOOL HOLDER DIN69880

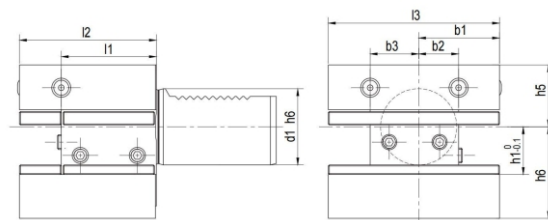


订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	L3	KG
880-C188	C4-16x12x44	16	43	24	13	12	20	22	44	5	20	0.78
880-C189	C4-20x16x50	20	65	40	26	16/12	25	30	50	-	30	1.2
880-C190	C4-25x16x55	25	58	33	19	16/12	25	30	55	7	20	1.04
880-C191	C4-30x20x70	30	76	41	23	20/16	35	38	70	10	30	2.12
880-C192	C4-40x25x85	40	90	47.5	25.5	25/20	42.5	48	85	12.5	30	3.68
880-C193	C4-50x32x100	50	105	55	30.5	32/25	50	60	100	16	40	6.2
880-C194	C4-60x32x125	60	125	62.5	33	32/25	62.5	62.5	125	16	40	10
880-C195	C4-80x40x160	80	160	78	42	40/32	80	80	160	20	40	20.5

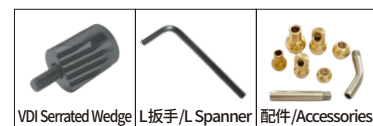


多座刀夹

Rectangular Holder with Multiple Seats Form D1 TOOL HOLDER DIN69880

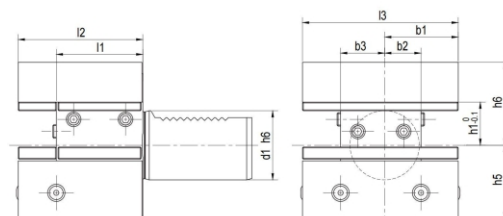


订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	L3	KG
880-D251	D1-25x16x48	25	33	19	19	16/12	25	30	34	48	66	1.28
880-D252	D1-30x20x60	30	35	17	23	20/16	28	38	42	60	76	1.73
880-D253	D1-40x25x72	40	42.5	21	25.5	25/20	32.5	48	50	72	90	2.3
880-D254	D1-50x32x85	50	50	26	30.5	32/25	35	60	60	85	105	5.4
880-D255	D1-60x32x110	60	57.5	33	33	32/25	42.5	62.5	85	110	115	7.2
880-D256	D1-80x40x140	80	76	42	42	40/32	55	80	105	140	152	14.3

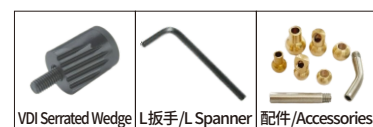


多座反切刀夹

Rectangular Holder with Multiple Seats Form D2 Inverted TOOL HOLDER DIN69880

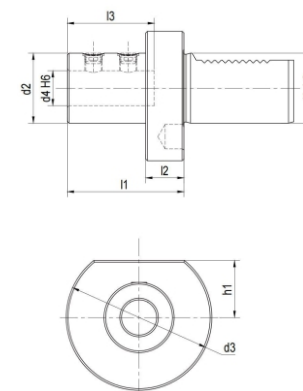


订单号/Order No.	型号/Model	d1	b1	b2	b3	h1	h5	h6	L1	L2	L3	KG
880-D257	D2-25x16x48	25	33	19	19	16/12	25	30	34	48	66	1.28
880-D258	D2-30x20x60	30	35	17	23	20/16	35	38	42	60	76	1.82
880-D259	D2-40x25x72	40	42.5	21	25.5	25/20	42.5	48	50	72	90	2.5
880-D260	D2-50x32x85	50	50	26	30.5	32/25	50	60	60	85	105	6
880-D261	D2-60x32x110	60	57.5	33	33	32/25	62.5	62.5	85	110	115	8.1
880-D262	D2-80x40x140	80	76	42	42	40/32	80	80	105	140	152	16.3

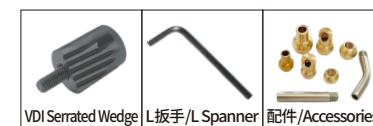


可转位浅孔钻刀夹

Boring Holder for Indexable Insert Drill Form E1 TOOL HOLDER DIN69880



订单号/Order No.	型号/Model	d1	d2	d3	d4	h1	L1	L2	L3	KG
880-E263	E1-20x16	20	36	50	16	-	67	18	54	0.65
880-E264	E1-20x20	20	40	50	20	-	67	18	54	0.74
880-E265	E1-20x25	20	45	50	25	-	71	18	59	0.82
880-E266	E1-25x16	25	36	58	16	28	67	18	54	0.82
880-E267	E1-25x20	25	40	58	20	28	67	18	54	0.91
880-E268	E1-25x25	25	45	58	25	28	71	18	59	1.08
880-E269	E1-25x32	25	52	58	32	28	75	18	63	1.26
880-E270	E1-30x16	30	36	68	16	28	67	22	54	0.98
880-E271	E1-30x20	30	40	68	20	28	67	22	54	1.17
880-E272	E1-30x25	30	45	68	25	28	71	22	59	1.26
880-E273	E1-30x32	30	52	68	32	28	75	22	63	1.35
880-E274	E1-30x40	30	65	68	40	28	90	22	73	1.72
880-E275	E1-40x16	40	36	83	16	32.5	67	22	54	1.52
880-E276	E1-40x20	40	40	83	20	32.5	67	22	54	1.75
880-E277	E1-40x25	40	45	83	25	32.5	75	22	59	1.88
880-E278	E1-40x32	40	52	83	32	32.5	75	22	63	1.95
880-E279	E1-40x40	40	65	83	40	32.5	90	22	73	2.15
880-E280	E1-40x50	40	75	83	50	32.5	100	22	83	3.12
880-E281	E1-50x16	50	36	98	16	35	80	30	54	2.3
880-E282	E1-50x20	50	40	98	20	35	67	30	54	2.9
880-E283	E1-50x25	50	45	98	25	35	80	30	59	3
880-E284	E1-50x32	50	52	98	32	35	80	30	63	3.03
880-E285	E1-50x40	50	65	98	40	35	90	30	73	3.21
880-E286	E1-50x50	50	75	98	50	35	100	30	83	3.35
880-E287	E1-60x16	60	36	123	16	42.5	80	30	54	4.2
880-E288	E1-60x20	60	40	123	20	42.5	80	30	54	4.7
880-E289	E1-60x25	60	45	123	25	42.5	80	30	59	4.76
880-E290	E1-60x32	60	52	123	32	42.5	80	30	63	4.82
880-E291	E1-60x40	60	65	123	40	42.5	90	30	73	5.07
880-E292	E1-60x50	60	75	123	50	42.5	100	30	83	5.12
880-E293	E1-80x20	80	40	158	20	55	80	30	54	7.9
880-E294	E1-80x25	80	45	158	25	55	80	30	59	8.66
880-E295	E1-80x32	80	52	158	32	55	80	30	63	8.7
880-E296	E1-80x40	80	65	158	40	55	90	30	73	10.28
880-E297	E1-80x50	80	75	158	50	55	100	30	83	9.1



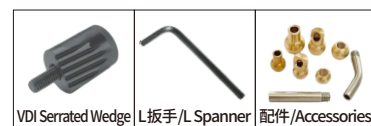
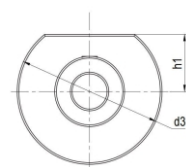
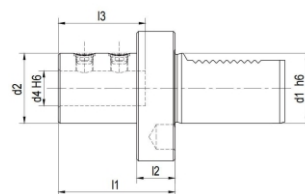


镗孔刀夹

Boring Holder Form E2

TOOL HOLDER DIN69880

订单号/Order No.	型号/Model	d1	d2	d3	d4	h1	L1	L2	L3	KG
880-E298	E2-16x6	16	32	40	6	18	44	13	34	0.4
880-E299	E2-16x8	16	32	40	8	18	44	13	34	0.41
880-E300	E2-16x10	16	32	40	10	18	44	13	34	0.42
880-E301	E2-16x12	16	40	40	12	18	44	13	34	0.43
880-E302	E2-16x16	16	40	40	16	18	44	13	34	0.47
880-E303	E2-20x6	20	40	50	6	23	50	18	42	0.46
880-E304	E2-20x8	20	40	50	8	23	50	18	42	0.58
880-E305	E2-20x10	20	40	50	10	23	50	18	42	0.63
880-E306	E2-20x12	20	40	50	12	23	50	18	42	0.62
880-E307	E2-20x16	20	40	50	16	23	50	18	42	0.59
880-E308	E2-20x20	20	45	50	20	23	50	18	41	0.73
880-E309	E2-20x25	20	50	50	25	23	60	18	51	0.78
880-E310	E2-25x8	25	40	58	8	25	50	18	41	0.92
880-E311	E2-25x10	25	40	58	10	25	50	18	41	0.97
880-E312	E2-25x12	25	40	58	12	25	50	18	41	0.96
880-E313	E2-25x16	25	40	58	16	25	50	18	41	0.93
880-E314	E2-25x20	25	58	58	20	25	50	18	41	1.07
880-E315	E2-25x25	25	58	58	25	25	60	18	51	1.12
880-E316	E2-25x32	25	58	58	32	25	75	18	62	1.56
880-E317	E2-30x6	30	55	68	6	28	60	22	43	1.32
880-E318	E2-30x8	30	55	68	8	28	60	22	43	1.46
880-E319	E2-30x10	30	55	68	10	28	60	22	43	1.44
880-E320	E2-30x12	30	55	68	12	28	60	22	43	1.45
880-E321	E2-30x16	30	55	68	16	28	60	22	54	1.39
880-E322	E2-30x20	30	55	68	20	28	60	22	54	1.36
880-E323	E2-30x25	30	55	68	25	28	60	22	54	1.33
880-E324	E2-30x30	30	66	68	30	28	75	22	61	1.46
880-E325	E2-30x32	30	68	68	32	28	75	22	61	1.33
880-E326	E2-40x8	40	55	83	8	32.5	75	22	43	2.32
880-E327	E2-40x10	40	55	83	10	32.5	75	22	43	2.31
880-E328	E2-40x12	40	55	83	12	32.5	75	22	58	2.3
880-E329	E2-40x16	40	55	83	16	32.5	75	22	61	2.26
880-E330	E2-40x20	40	55	83	20	32.5	75	22	61	2.13
880-E331	E2-40x25	40	55	83	25	32.5	75	22	61	2
880-E332	E2-40x30	40	83	83	30	32.5	75	22	61	2.8

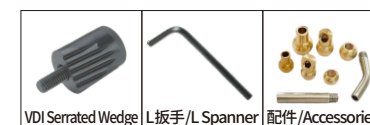
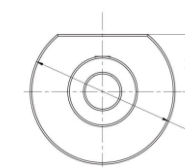
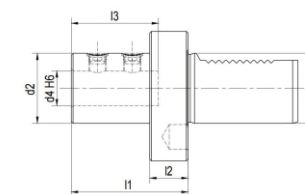


镗孔刀夹

Boring Holder Form E2

TOOL HOLDER DIN69880

订单号/Order No.	型号/Model	d1	d2	d3	d4	h1	L1	L2	L3	KG
880-E333	E2-40x32	40	83	83	32	32.5	75	22	61	2.95
880-E334	E2-40x40	40	83	83	40	32.5	90	22	76	3.15
880-E335	E2-50x12	50	62	98	12	35	90	30	71	4
880-E336	E2-50x16	50	62	98	16	35	90	30	76	3.94
880-E337	E2-50x20	50	68	98	20	35	90	30	76	3.87
880-E338	E2-50x25	50	68	98	25	35	90	30	76	3.79
880-E339	E2-50x30	50	68	98	30	35	90	30	76	3.65
880-E340	E2-50x32	50	68	98	32	35	90	30	76	3.58
880-E341	E2-50x40	50	80	98	40	35	90	30	76	4.79
880-E342	E2-50x50	50	98	98	50	35	100	30	86	5
880-E343	E2-60x16	60	68	123	16	42.5	90	30	76	5.63
880-E344	E2-60x20	60	68	123	20	42.5	90	30	76	5.56
880-E345	E2-60x25	60	68	123	25	42.5	90	30	76	5.46
880-E346	E2-60x30	60	68	123	30	42.5	90	30	76	5.35
880-E347	E2-60x32	60	68	123	32	42.5	90	30	76	5.27
880-E348	E2-60x40	60	98	123	40	42.5	90	30	76	7.31
880-E349	E2-60x50	60	98	123	50	42.5	100	30	86	6.67
880-E350	E2-80x20	80	68	158	20	55	100	30	86	10.1
880-E351	E2-80x25	80	68	158	25	55	100	30	86	9.95
880-E352	E2-80x32	80	68	158	32	55	100	30	86	9.75
880-E353	E2-80x40	80	98	158	40	55	100	30	86	11.65
880-E354	E2-80x50	80	98	158	50	55	100	30	86	11.1
880-E454	E2-80x60	80	98	158	60	55	100	30	92	

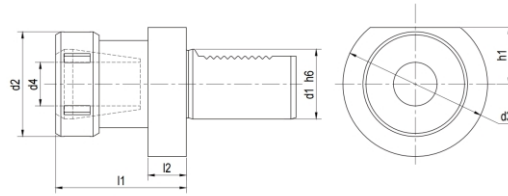




OZ夹头刀柄

OZ Collet Chuck Form E3

TOOL HOLDER DIN69880



订单号/Order No.	型号/Model	Description	d2	d3	d4	h1	L1	L2	L3	KG
880-E355	E3-16x16	VDI16-OZ16-57	16	43	40	2-16	18	65	13	0.53
880-E356	E3-20x16	VDI20-OZ16-57	20	43	50	2-16	23	57	18	0.51
880-E357	E3-20x20	VDI20-OZ20-62	20	52	50	2-20	23	62	18	0.68
880-E358	E3-25x16	VDI25-OZ16-57	25	43	58	2-16	25	57	18	0.98
880-E359	E3-25x20	VDI25-OZ20-62	25	52	58	2-20	25	62	18	1.12
880-E360	E3-30x16	VDI30-OZ16-57	30	43	68	2-25	28	57	22	1.05
880-E361	E3-30x20	VDI30-OZ20-62	30	52	68	4-32	28	62	22	1.2
880-E362	E3-30x25	VDI30-OZ25-75	30	60	68	2-16	28	75	22	1.32
880-E363	E3-30x32	VDI30-OZ32-90	30	72	68	2-20	28	90	22	1.05
880-E364	E3-40x16	VDI40-OZ16-57	40	43	83	2-25	32.5	57	22	1.21
880-E365	E3-40x20	VDI40-OZ20-62	40	52	83	4-32	32.5	62	22	1.4
880-E366	E3-40x25	VDI40-OZ25-75	40	60	83	2-20	32.5	75	22	1.82
880-E367	E3-40x32	VDI40-OZ32-90	40	72	83	2-25	32.5	90	22	2.24
880-E368	E3-50x20	VDI50-OZ20-70	50	52	98	4-32	35	70	30	2.61
880-E369	E3-50x25	VDI50-OZ25-75	50	60	98	2-25	35	75	30	2.87
880-E370	E3-50x32	VDI50-OZ32-90	50	72	98	4-32	35	90	30	3.35
880-E371	E3-60x25	VDI60-OZ25-75	60	60	123	2-25	42.5	75	30	4.2
880-E372	E3-60x32	VDI60-OZ32-90	60	72	123	4-32	42.5	90	30	5
880-E373	E3-80x25	VDI80-OZ25-85	80	60	158	2-25	55	85	40	8.3
880-E374	E3-80x32	VDI80-OZ32-95	80	72	158	4-32	55	95	40	9.65



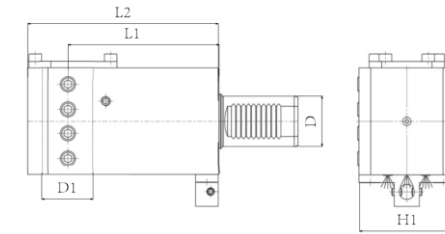
VDI Serrated Wedge ER筒夹/ER Collet



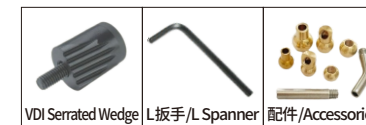
E6镗孔刀夹

E6 Boring toolholder

TOOL HOLDER DIN69880



订单号/Order No.	型号/Model	D	D1	H1	H2	L1	L2
880-E375	E6-20X25X70	20	25	50	50	70	90
880-E376	E6-30X32X65	30	32	52	62	65	90
880-E377	E6-30X32X85	30	32	52	62	85	108
880-E378	E6-30X32X100	30	32	52	62	110	123
880-E379	E6-30X32X120	30	32	52	62	120	143
880-E380	E6-30X40X85	30	40	65	85	85	112
880-E381	E6-30X50X85	30	50	80	85	85	123
880-E382	E6-40X32X85	40	32	65	85	85	112
880-E383	E6-40X40X85	40	40	65	85	85	112
880-E384	E6-40X40X100	40	40	65	85	100	127
880-E385	E6-40X40X120	40	40	65	85	120	147
880-E386	E6-50X40X100	50	40	80	96	100	137
880-E387	E6-50X50X100	50	50	80	96	100	137
880-E388	E6-50X60X110	50	60	98	96	110	152
880-E389	E6-60X50X100	60	50	90	120	100	142
880-E390	E6-60X50X135	60	50	94	120	135	177
880-E391	E6-60X60X100	60	60	90	120	100	142
880-E392	E6-60X60X135	60	60	108	120	135	182

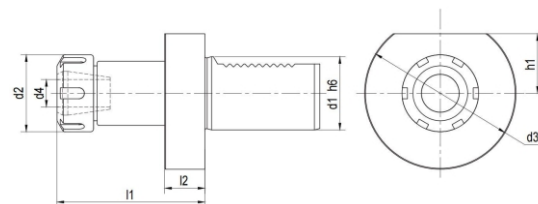


VDI Serrated Wedge L扳手/L Spanner 配件/Accessories

ER夹头刀柄

ER Collet Chuck Form E4

TOOL HOLDER DIN69880



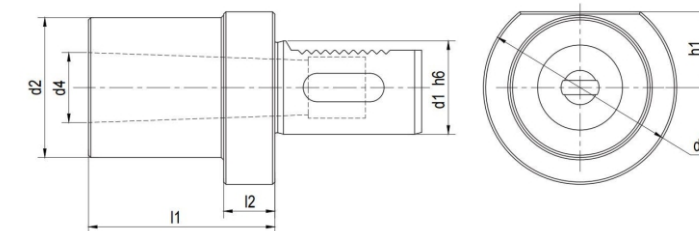
订单号/Order No.	型号/Model	Description	d1	d2	d3	d4	L1	L2	L3	KG
880-ER44	E4-16x16	VDI16-ER16-44	16	32	40	1-10	18	44	13	0.31
880-ER45	E4-16x20	VDI16-ER20-44	16	35	40	1-13	18	44	13	0.36
880-ER46	E4-20x16	VDI20-ER16-44	20	32	50	1-10	23	44	18	0.38
880-ER47	E4-20x20	VDI20-ER20-50	20	35	50	1-13	23	50	18	0.4
880-ER48	E4-20x25	VDI20-ER25-50	20	42	50	2-16	23	50	18	0.48
880-ER49	E4-20x32	VDI20-ER32-62	20	50	50	2-20	23	62	18	0.58
880-ER50	E4-25x16	VDI25-ER16-44	25	32	58	1-10	25	44	18	0.52
880-ER51	E4-25x25	VDI25-ER25-57	25	42	58	2-16	25	57	18	0.67
880-ER52	E4-25x32	VDI25-ER32-62	25	50	58	2-20	25	62	18	0.79
880-ER53	E4-30x16	VDI30-ER16-48	30	32	68	1-10	28	48	22	0.86
880-ER54	E4-30x20	VDI30-ER20-59	30	35	68	1-13	28	59	22	0.98
880-ER55	E4-30x25	VDI30-ER25-57	30	42	68	2-16	28	57	22	1.07
880-ER56	E4-30x32	VDI30-ER32-75	30	50	68	2-20	28	75	22	1.22
880-ER57	E4-30x40	VDI30-ER40-80	30	63	68	3-26	28	80	22	1.1
880-ER58	E4-40x20	VDI40-ER20-59	40	35	83	1-13	32.5	59	22	1.3
880-ER59	E4-40x25	VDI40-ER25-57	40	42	83	2-16	32.5	57	22	1.65
880-ER60	E4-40x32	VDI40-ER32-75	40	50	83	2-20	32.5	75	22	1.79
880-ER61	E4-40x40	VDI40-ER40-75	40	63	83	3-26	32.5	75	22	1.78
880-ER62	E4-50x25	VDI50-ER25-67	50	42	98	2-16	35	67	30	2.26
880-ER63	E4-50x32	VDI50-ER32-75	50	50	98	2-20	35	75	30	2.5
880-ER64	E4-50x40	VDI50-ER40-75	50	63	98	3-26	35	75	30	2.78
880-ER65	E4-60x32	VDI60-ER32-75	60	50	123	2-20	42.5	75	30	4.2
880-ER66	E4-60x40	VDI60-ER40-75	60	63	123	3-26	42.5	75	30	4.56
880-ER67	E4-80x40	VDI80-ER40-75	80	63	158	3-26	55	75	40	14.5



带扁尾莫氏刀柄

Morse Taper Adapter Form F

TOOL HOLDER DIN69880



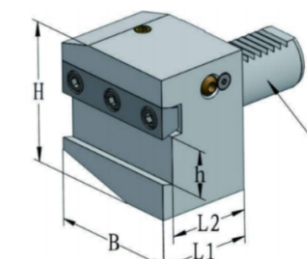
订单号/Order No.	型号/Model	d1	d2	d3	MK	d4	h1	L1	L2	KG
880-M101	F30-MKD1	30		68	1	12.065	28	27		0.94
880-M102	F30-MKD2	30	53	68	2	17.78	28	36	27	0.87
880-M103	F30-MKD3	30	53	68	3	23.825	28	66	41	1.34
880-M104	F40-MKD1	40	55	83	1	12.065	32.5	36	22	
880-M105	F40-MKD2	40	55	83	2	17.78	32.5	36	22	1.51
880-M106	F40-MKD3	40	58	83	3	23.825	32.5	36	22	1.47
880-M107	F40-MKD4	40	68	83	4	31.267	32.5	80	22	2.4
880-M108	F50-MKD2	50	55	98	2	17.78	35	36	30	2.61
880-M109	F50-MKD3	50	58	98	3	23.825	35	45	30	2.45
880-M110	F50-MKD4	50	68	98	4	31.267	35	55	30	2.6
880-M111	F50-MKD5	50		98	5	44.388	35	168		2.5
880-M112	F60-MKD2	60	55	123	2	17.78	42.5	35	30	4
880-M113	F60-MKD3	60	58	123	3	23.825	42.5	45	30	4.21
880-M114	F60-MKD4	60	68	123	4	31.267	42.5	55	30	4.26
880-M115	F60-MKD5	60	98	123	5	44.388	42.5	64	30	4.75



Q1切槽右刀夹

Cut-off holder form Q1, right

TOOL HOLDER DIN69880



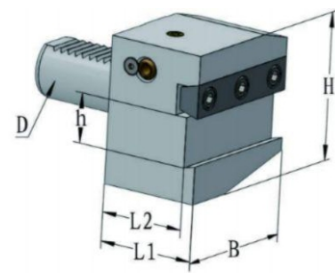
订单号/Order No.	型号/Model	D	H	h	B	L1	L2	KG
880-Q101	Q1-25X26	25	64	26	60	50	44	1.07
880-Q102	Q1-30X26	30	70	26	70	50	44	1.52
880-Q103	Q1-40X26	40	75	26	85	50	44	2.68
880-Q104	Q1-40X32	40	75	32	85	50	44	2.57
880-Q105	Q1-50X26	50	80	26	100	50	44	4.59
880-Q106	Q1-50X32	50	80	32	100	50	44	4.46
880-Q107	Q1-60X32	60	103	32	125	50	44	7.54



Q2切槽左刀夹

Cut-off holder form Q2、Left

TOOL HOLDER DIN69880



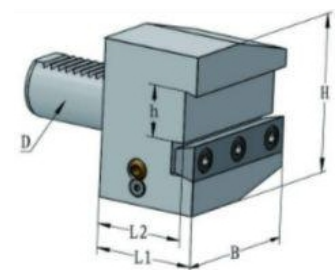
订单号/Order No.	型号/Model	D	H	h	B	L1	L2	KG
880-Q108	Q2-25X26	25	64	26	60	50	44	1.07
880-Q109	Q2-30X26	30	70	26	70	50	44	1.52
880-Q110	Q2-40X26	40	75	26	85	50	44	2.68
880-Q111	Q2-40X32	40	75	32	85	50	44	2.57
880-Q112	Q2-50X26	50	80	26	100	50	44	4.59
880-Q113	Q2-50X32	50	80	32	100	50	44	4.46
880-Q114	Q2-60X32	60	103	32	125	50	44	7.54



Q3切槽右刀夹(刀具反装)

Cut-off holder form Q3、right、overhead

TOOL HOLDER DIN69880



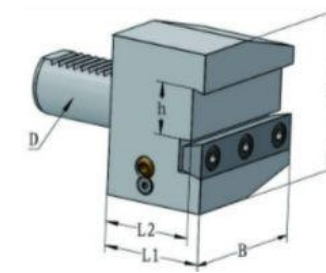
订单号/Order No.	型号/Model	D	H	h	B	L1	L2	KG
880-Q115	Q3-25X26	25	64	26	60	50	44	1.07
880-Q116	Q3-30X26	30	70	26	70	50	44	1.52
880-Q117	Q3-40X26	40	75	26	85	50	44	2.68
880-Q118	Q3-40X32	40	75	32	85	50	44	2.57
880-Q119	Q3-50X26	50	80	26	100	50	44	4.59
880-Q120	Q3-50X32	50	80	32	100	50	44	4.46
880-Q121	Q3-60X32	60	103	32	125	50	44	7.54



Q4切槽右刀夹(刀具反装)

Cut-off holder form Q4、left、overhead

TOOL HOLDER DIN69880



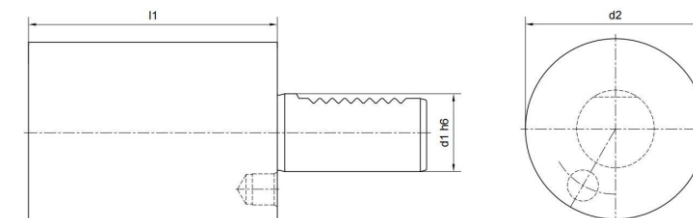
订单号/Order No.	型号/Model	D	H	h	B	L1	L2	KG
880-Q122	Q4-25X26	25	64	26	60	50	44	1.07
880-Q123	Q4-30X26	30	70	26	70	50	44	1.52
880-Q124	Q4-40X26	40	75	26	85	50	44	2.68
880-Q125	Q4-40X32	40	75	32	85	50	44	2.57
880-Q126	Q4-50X26	50	80	26	100	50	44	4.59
880-Q127	Q4-50X32	50	80	32	100	50	44	4.46
880-Q128	Q4-60X32	60	103	32	125	50	44	7.54



圆形基础柄

Round Soft Blank Form A2

TOOL HOLDER DIN69880

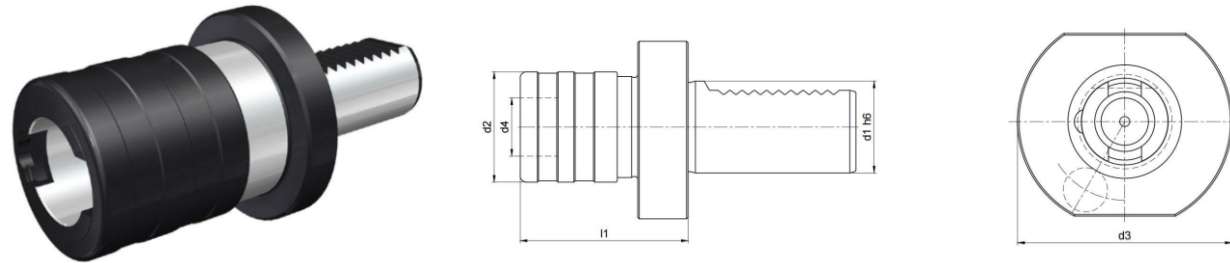


订单号/Order No.	型号/Model	d1	d2	L1	KG
880-A101	A2-16x60	16	40	60	0.63
880-A102	A2-20x70	20	50	70	1.1
880-A103	A2-25x80	25	58	80	1.8
880-A104	A2-25x200	25	58	200	4.3
880-A105	A2-30x100	30	68	100	3.1
880-A106	A2-30x240	30	68	240	6.98
880-A107	A2-40x120	40	83	120	5.62
880-A108	A2-40x320	40	83	320	14.1
880-A109	A2-50x135	50	98	135	8.9
880-A110	A2-50x400	50	98	400	24
880-A111	A2-60x150	60	123	150	15.8
880-A112	A2-60x480	60	123	480	45.6
880-A113	A2-80x500	80	158	500	79.6



弹性快换攻丝刀柄

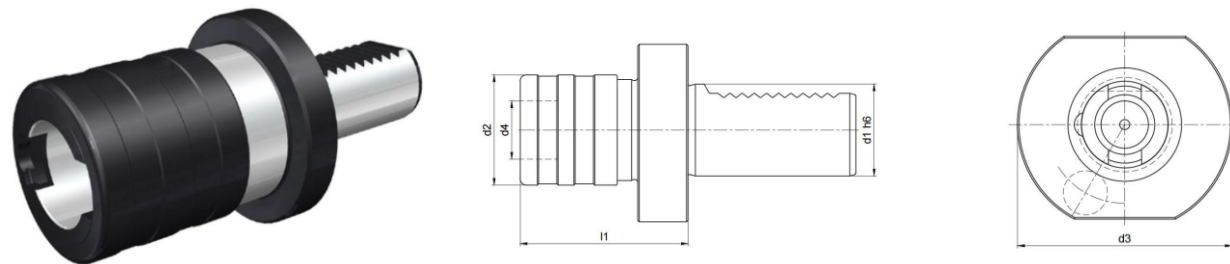
Quick Change Tapping Chuck with Length Compensation TOOL HOLDER DIN69880



订单号/Order No.	型号/Model	d1	d2	d3	d4	L1
880-TC1	VDI20-TC312-55	20	38	50	19	55
880-TC2	VDI30-TC312-55	30	38	68	19	55

弹性快换攻丝刀柄

Quick Change Tapping Chuck with Length Compensation TOOL HOLDER DIN69880



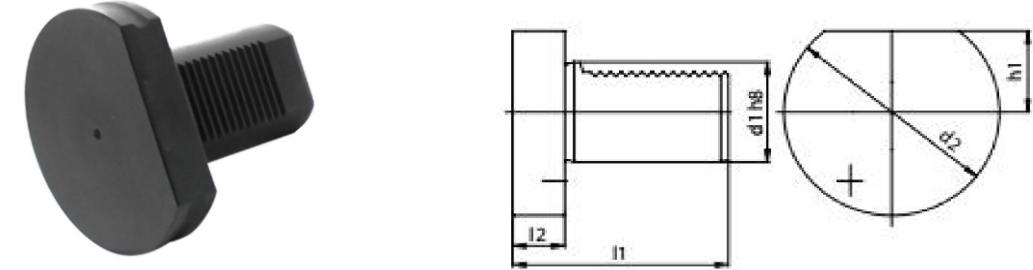
订单号/Order No.	型号/Model	d1	d2	d3	d4	L1
880-TC3	VDI30-TC820-77	30	55	68	31	77
880-TC4	VDI40-TC312-55	40	38	83	19	55
880-TC5	VDI40-TC820-77	40	55	83	31	77
880-TC6	VDI40-TC1433-110	40	79	83	48	110
880-TC7	VDI50-TC312-55	50	38	98	19	55
880-TC8	VDI50-TC820-77	50	55	98	31	77
880-TC9	VDI50-TC1433-110	50	79	98	48	110



保护塞

Protection Plug Form Z2

TOOL HOLDER DIN69880



订单号/Order No.	型号/Model	d1	d2	h1	L2	KG
880-Z210	Z2-16x13S	16	40	18	13	0.26
880-Z211	Z2-20x16S	20	50	23	16	0.32
880-Z212	Z2-25x16S	25	58	25	16	0.54
880-Z213	Z2-30x16S	30	68	28	16	0.69
880-Z214	Z2-40x20s	40	83	32.5	20	1.2
880-Z215	Z2-50x20S	50	98	35	20	2.19
880-Z216	Z2-60x20S	60	123	42.5	20	3.62



VDI刀座锁紧销

FIXING PIN

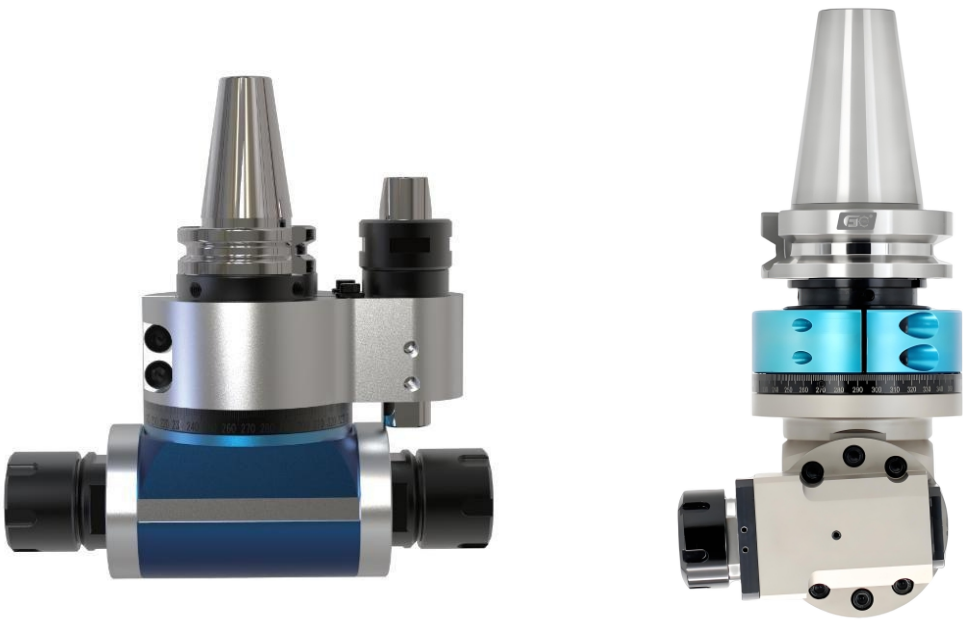
TOOL HOLDER DIN69880



订单号/Order No.	A	h1	L1	KG
VDI16/W-16	M5	22	20	16
VDI20/W-18	M6	28	20	18
VDI30/W-22	M8	34	20	22
VDI40/W-28	M10	42	20	28
VDI40/W-40	M10	44	20	40
VDI50/W-36	M10	48	25	36
VDI50/W-50	M12	56	25	50
VDI60/W-42	M12	54	25	42
VDI80/W-50	M16	70	25	50

角度头系列

ANGLE HEAD SERIES



AGH90

AZU系列

ALU系列

FST系列

90°输出型

万向型

偏置型
万向型

45°输出型

非标定制型

轴系



日本高精密角接触球轴承

使用伞形齿轮



在原来的密封机构上进一步改良，防尘，防水效果更显著。

独特的密封机构



德国高精度伞形齿轮

对应刀尖给油

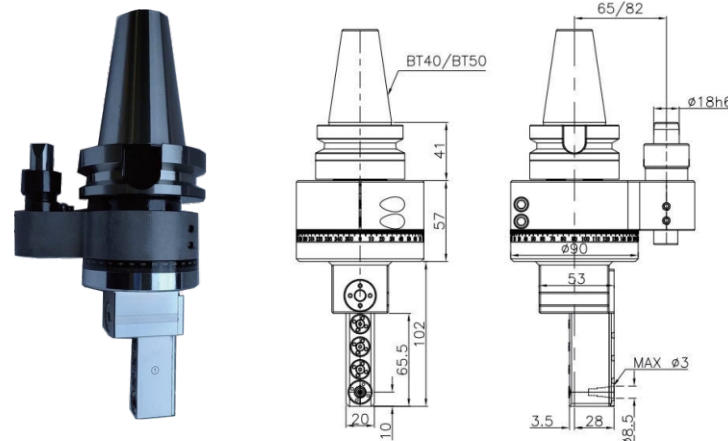


从定位块供应切削液，经过角度头本体内部准确地喷向刀尖，切削液同时可冷却本体（除万能型）。另外，还新推出了中心内冷型。

ANGLED
HEAD

AGH 90-D3 小孔型

90度角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH 90-D3-100	4000	5KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH 90-D3-100	0.5KW	2.5Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

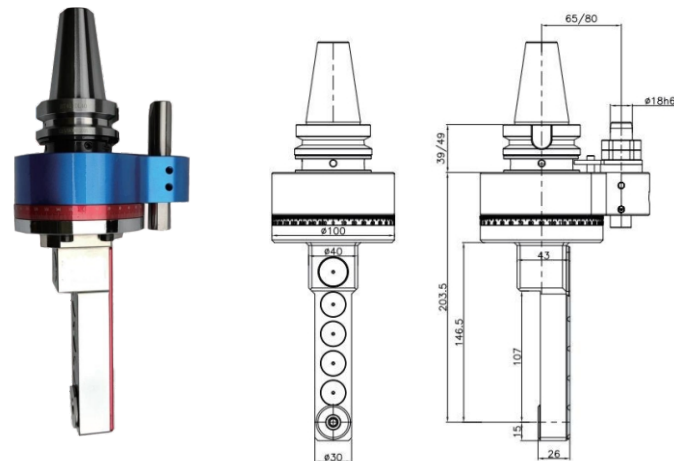
HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank



AGH 90-D4-100 小孔型

90度角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH 90-D4-100	4000	5KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH 90-D4-100	1KW	2.5Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

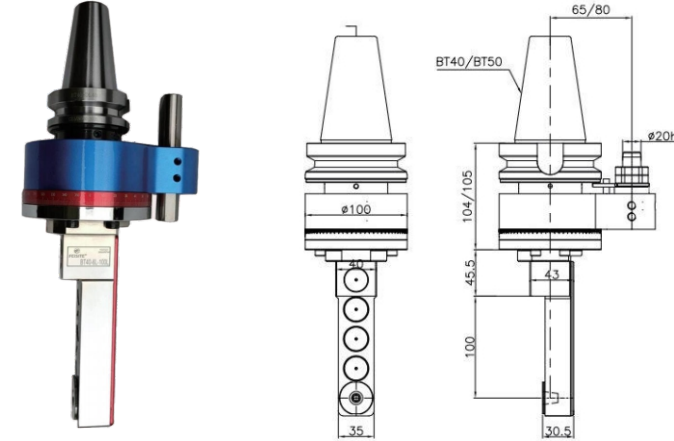
HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank



小孔型 AGF90-D6-100

窄型角度头/90 Angle head



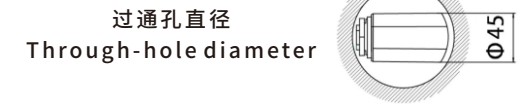
型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH 90-D6-100	4000	6.5KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH 90-D6-100	1KW	5Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

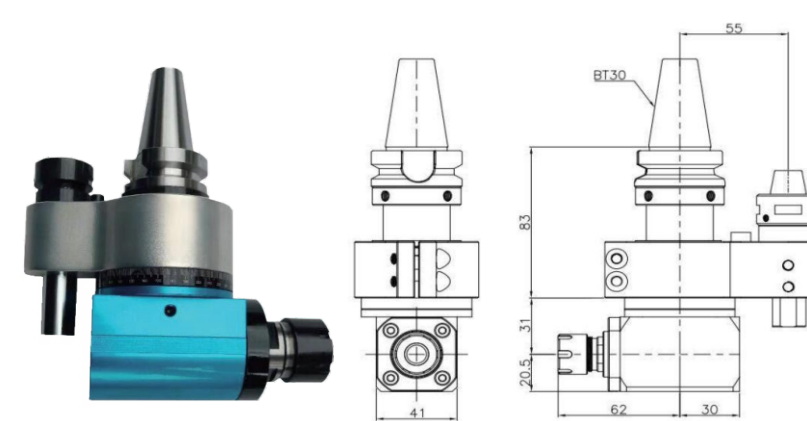
HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank



AGH BT30-ER16C 轻型

90度角度头/90 Angle head



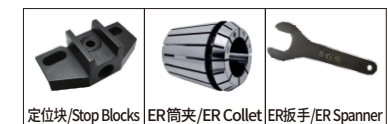
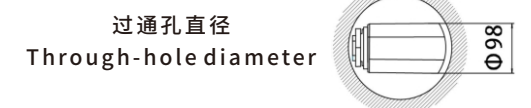
型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
90-ER16C(d-0)	3800	2KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
90-ER16C(d-0)	2KW	20Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

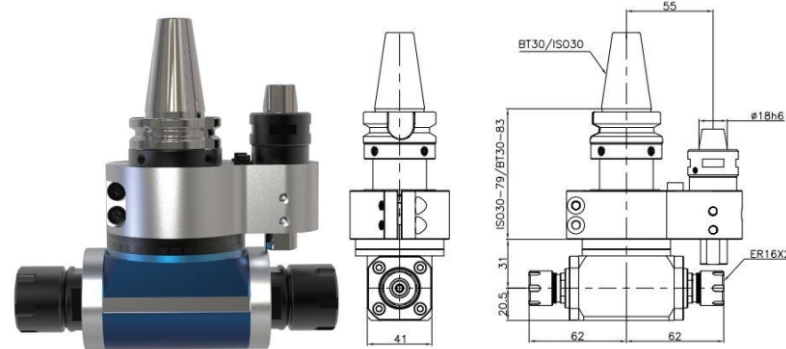
可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank



AGH 90-ER16C-2 轻型 双头 双出型角度头/90 Angle head



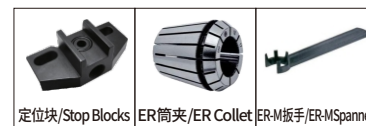
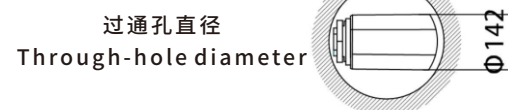
型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH 90-ER16C-2	3500	2.5KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH 90-ER16C-2	3KW	30Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

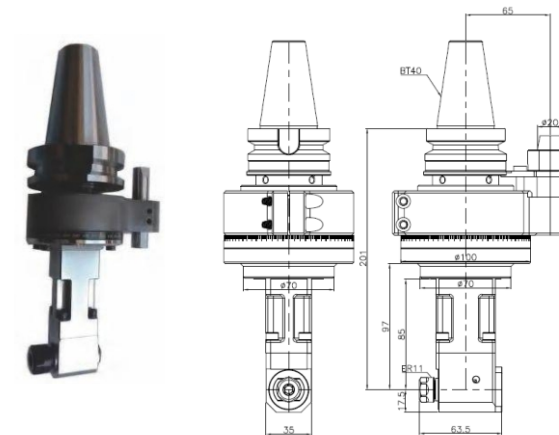
可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank



AGH 90-ER11标准型 90度角度头/90 Angle head



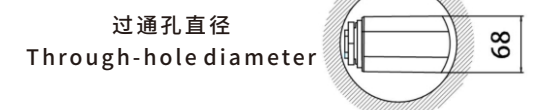
型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH90-ER11-(d-7)	4000	5KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH 90-ER16C-2	1KW	10Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

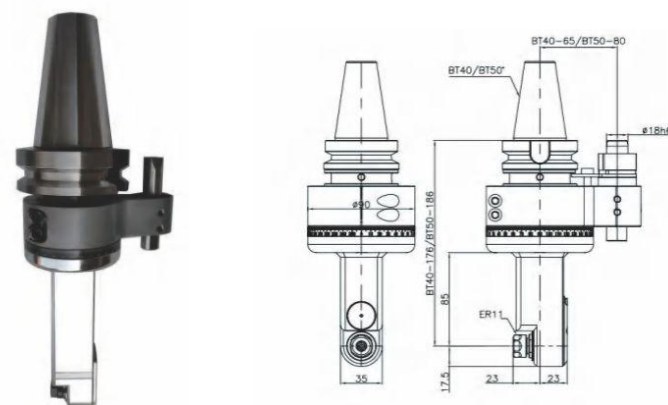
可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank



AGH 90-ER11M 小孔型 90度角度头/90 Angle head



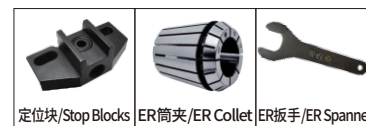
型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH90-ER11-(d-7)	4000	5KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH90-ER11-(d-7)	1KW	9.7Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

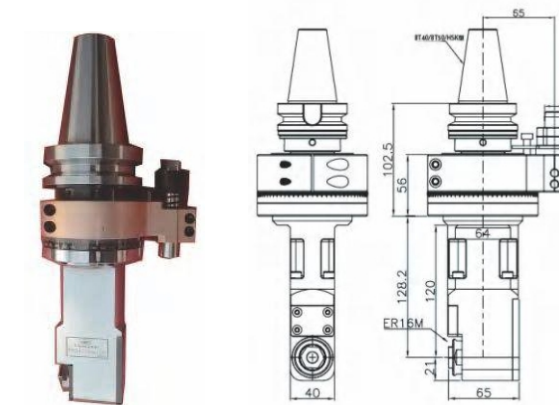
可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank



AGH 90-ER16M 小孔型 90度角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AHG90-ER16M-(d-0mm)	4000	6.5KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AHG90-ER16M-(d-0mm)	2KW	16Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

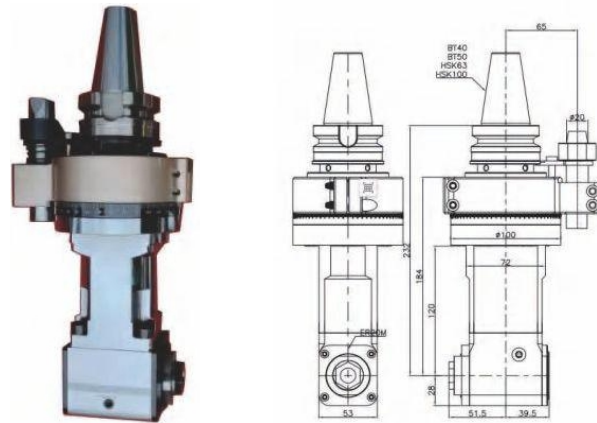
HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank



AGH 90-ER20标准型

90度角度头/90 Angle head



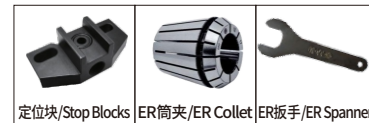
型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH 90-ER20 (d-13)	4000	6KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH 90-ER20 (d-13)	2.5KW	18Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

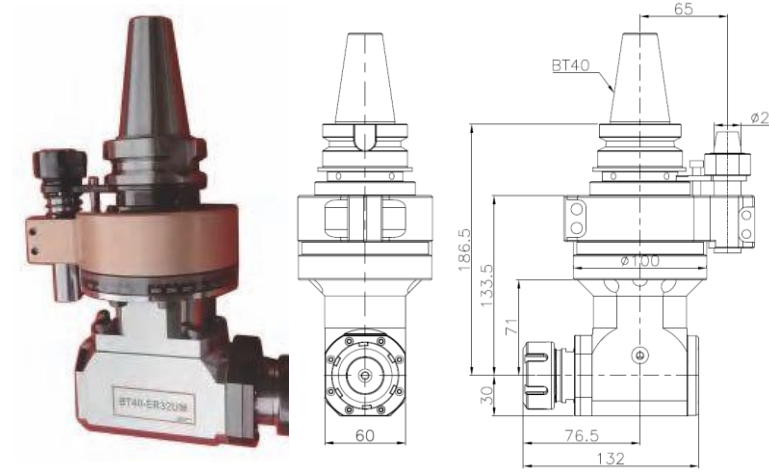
可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank



常规型 爆款型90-ERA标准型 直角型角度头/Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH 90-BT40-ER32A	4000	7KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH 90-BT40-ER32A	4KW	40Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

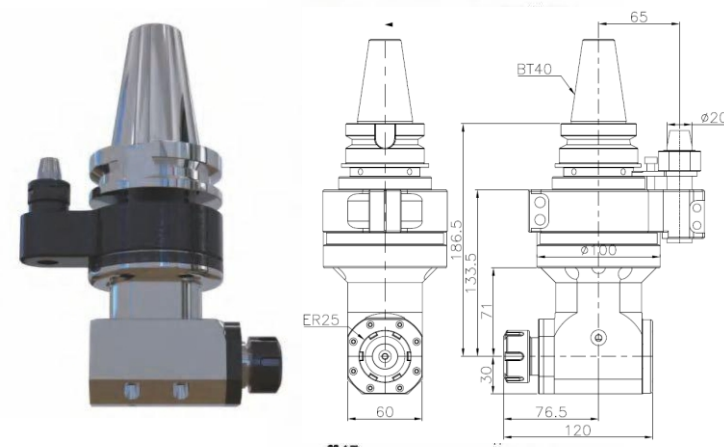
HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank



AGH 90-ER25标准型

90度角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AHG90-ER25-(d-16mm)	4000	6.6KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AHG90-ER25-(d-16mm)	3KW	30Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

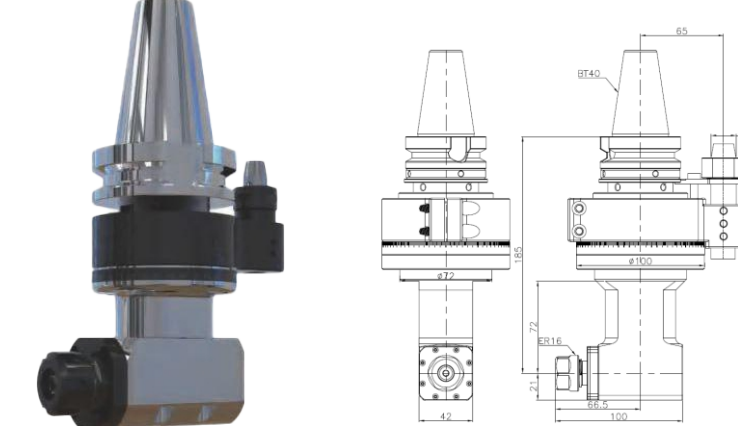
HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank



AGH 90-ER32QL强力型

90度角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AHG90-ER32QL	4000	8.5-10KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AHG90-ER32QL	4.5KW	45Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

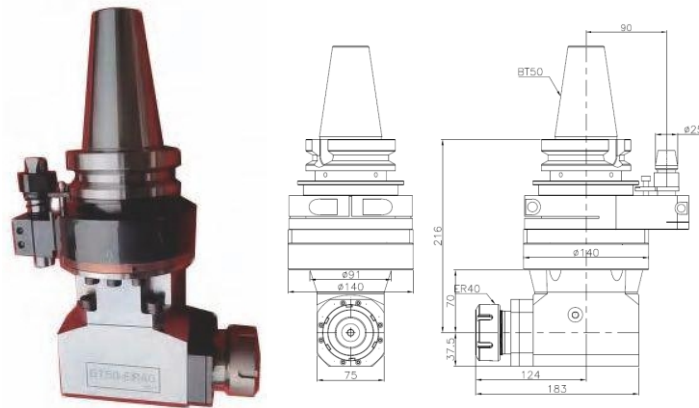
HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank



AGH 90-ER40输出型

90度角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH 90-BT40-ER32A	4000	11-17KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH 90-BT40-ER32A	6KW	85Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

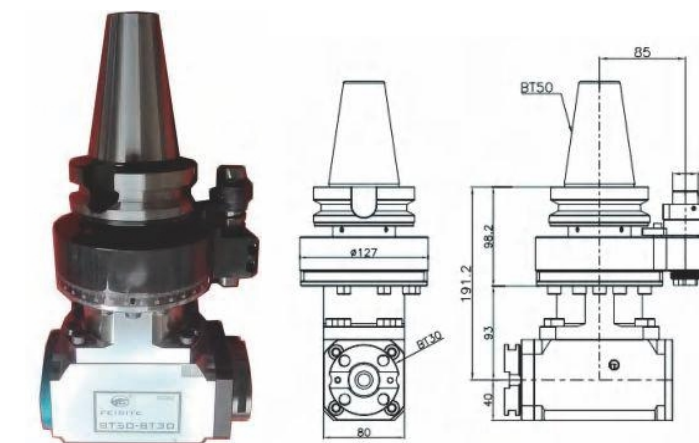
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



AGH 90-BT30输出型

90度角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AHG90-BT30	4000	13KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AHG90-BT30	7.5/12.5KW	30Nm	60/65/80

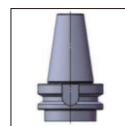
备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

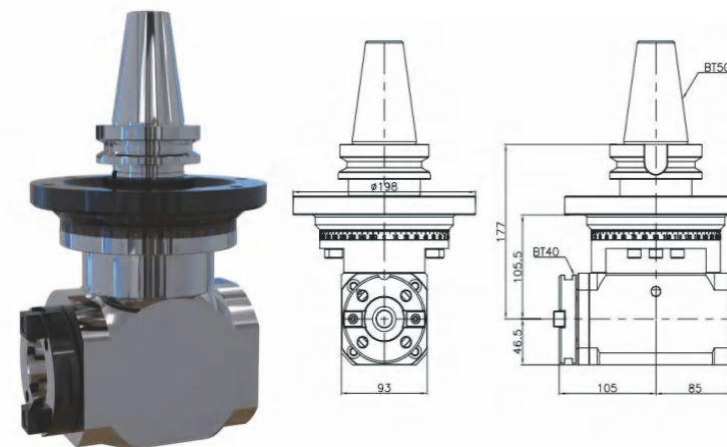
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



AGH90-BT40输出型

90度角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH 90-BT40	4000	1.8-21KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH 90-BT40	22KW	155Nm	60/65/80

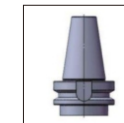
本产品只接受法兰盘或其他方式连接
This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

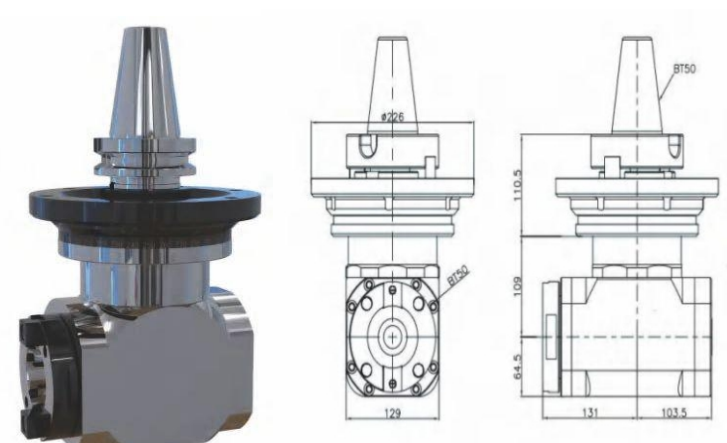
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



AGH90-BT50标准型

90度角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AHG90-BT50	4000	41KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AHG90-BT50	15KW	210Nm	60/65/80

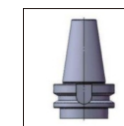
备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

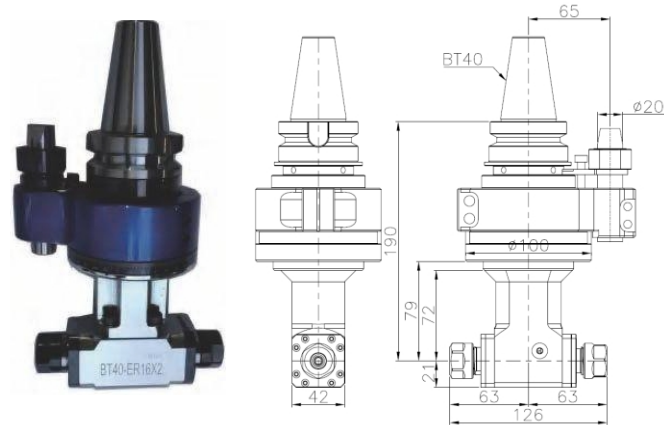
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



AGH90-ER16x2 双头型

双头型角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH90-ER16-2	4000	5.5KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH90-ER16-2	1.5KW	14Nm	60/65/80

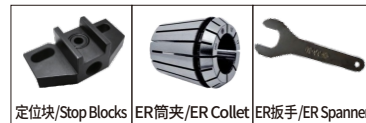
备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

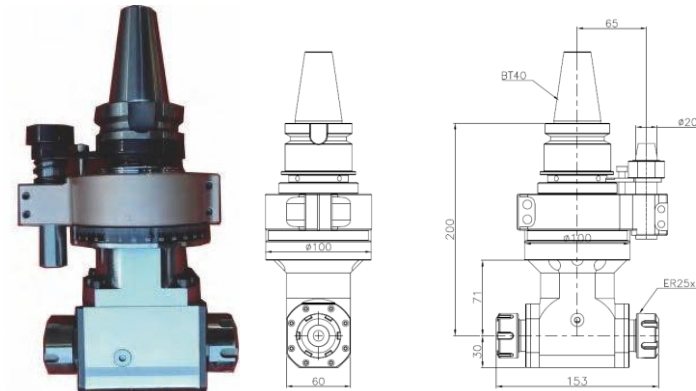
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



AGH90-ER25x2 双头型

双出型角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH90-ER25-2	4000	7.3KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH90-ER25-2	4KW	35Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

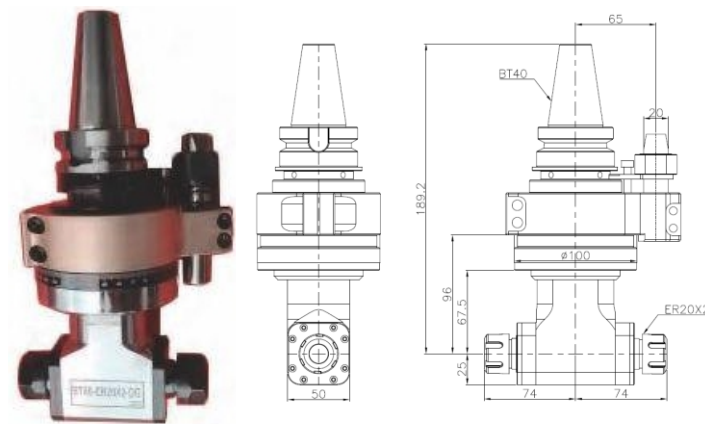
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



AGH90-ER20x2 双头型

双出型角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH90-ER20-2	4000	7KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH90-ER20-2	7KW	20Nm	60/65/80

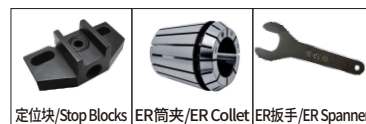
备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

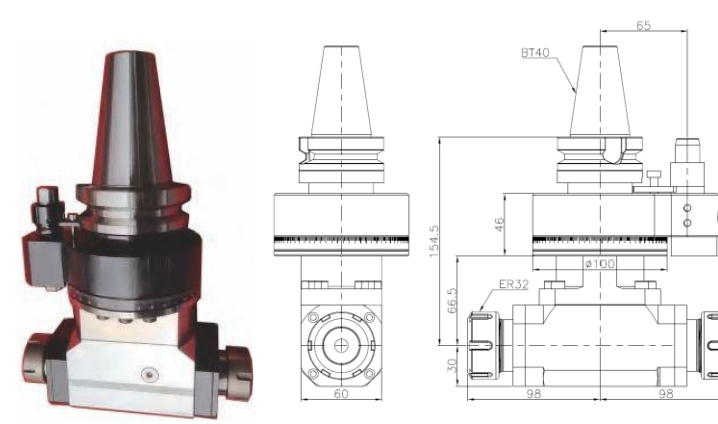
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



AGH90-ER32x2强力双头型

双出型角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH90-ER32-2	4000	15KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH90-ER32-2	4KW	55Nm	60/65/80

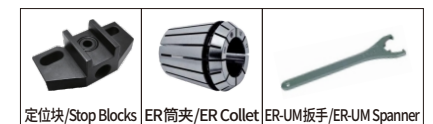
备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

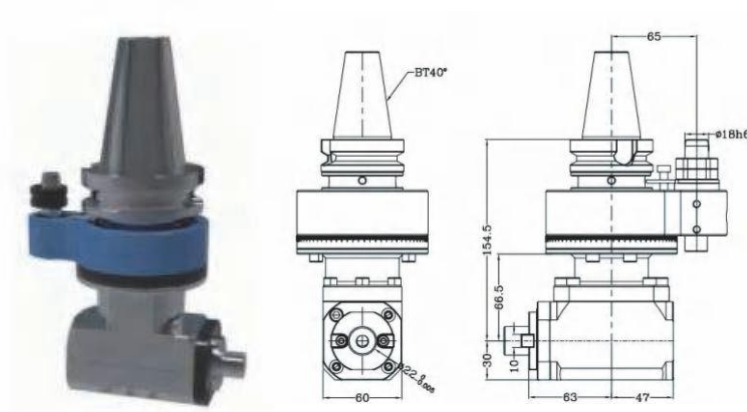
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



AGH90-FMB50

刀盘型角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH 90-FMB50	4000	7KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH 90-FMB50	3KW	30Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

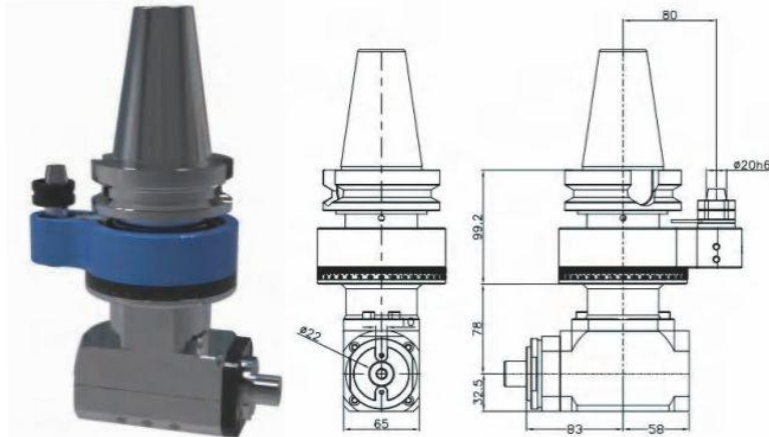
过通孔直径
Through-hole diameter



刀盘/Cutter Head

AGH90-FMB63

刀盘型角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH90-FMB63	4000	8.6KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH90-FMB63	7.5KW	40Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

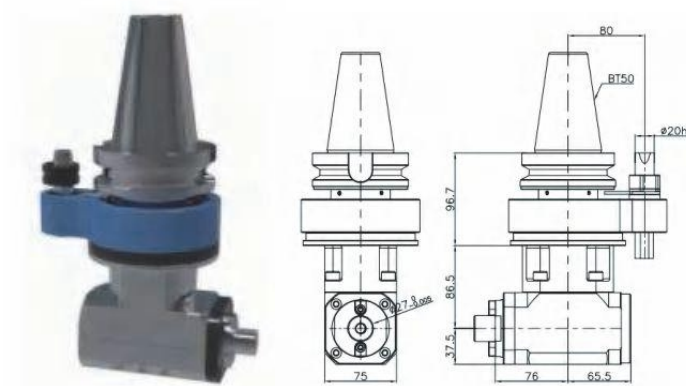
过通孔直径
Through-hole diameter



刀盘/Cutter Head

AGH90-FMB80

刀盘型角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH 90-FMB80	4000	10KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH 90-FMB80	12KW	85Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

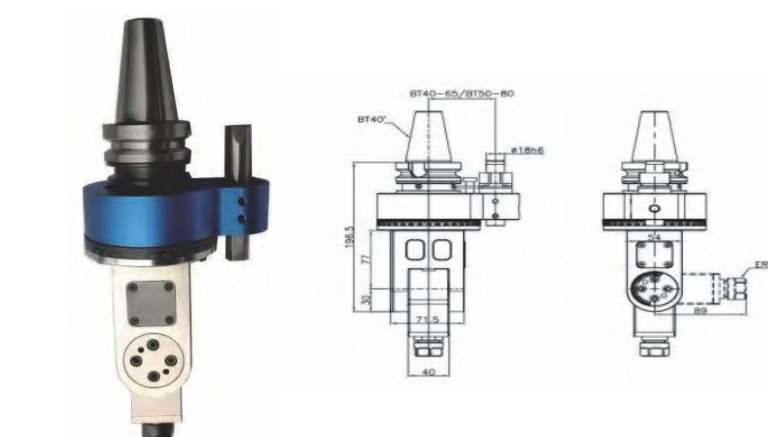
过通孔直径
Through-hole diameter



刀盘/Cutter Head

万能 角度头-AZU/ER16

万能角度头0-90度/Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGU90-ER16	4000	7KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGU90-ER16	2KW	16Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

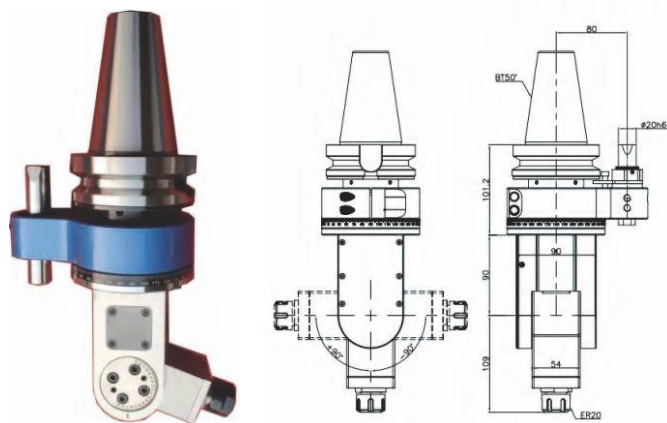
过通孔直径
Through-hole diameter



定位块/Stop Blocks ER筒夹/ER Collet ER扳手/ER Spanner

万向 中心输出型

万向铣头0-90度/AZU-ER20



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGU 90-ER20	3000	10KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGU 90-ER20	2.5KW	20Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

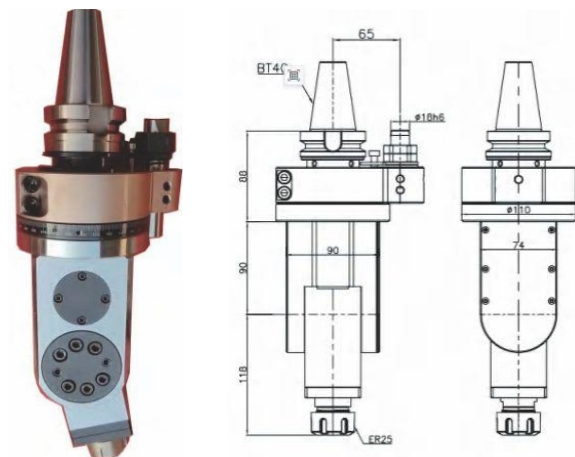
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



万向 中心输出型A

万向铣头0-90度/AGU-ER25



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGU 90-ER25	3500	7.3KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGU 90-ER25	3KW	35Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

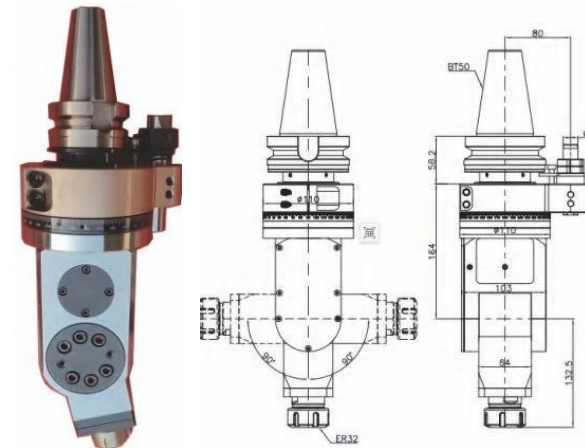
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



万向 中心输出型

万向铣头0-90度/AZU-ER20



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGU 90-ER20	3000	12KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGU 90-ER20	4KW	40Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

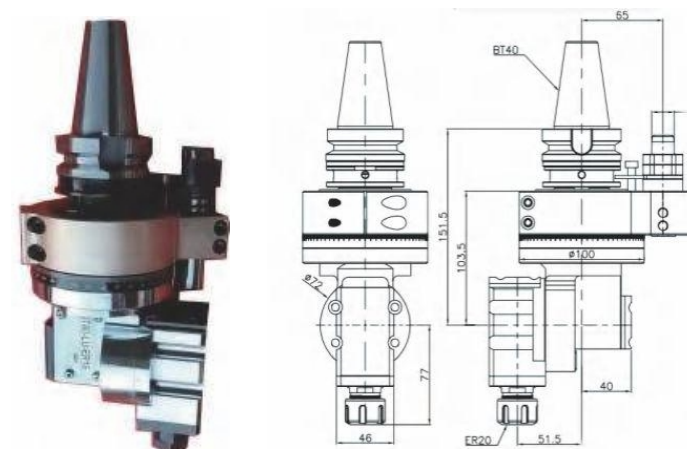
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



偏置型万向型 ALU/ER20

角度头/universal Anglehead



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
ER250	3500	6.9KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
ER250	3KW	25Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

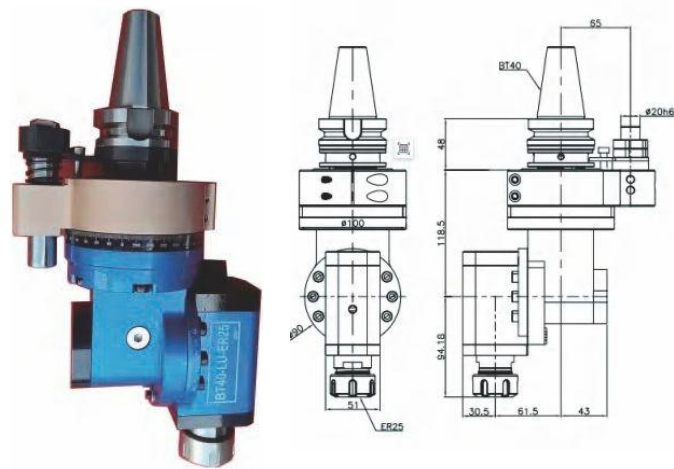
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



偏置万向型ALU/ER25

万向角度头/universaiAnglehead



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
GU 90-ER25	3500	7.2KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
GU 90-ER25	3KW	30Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

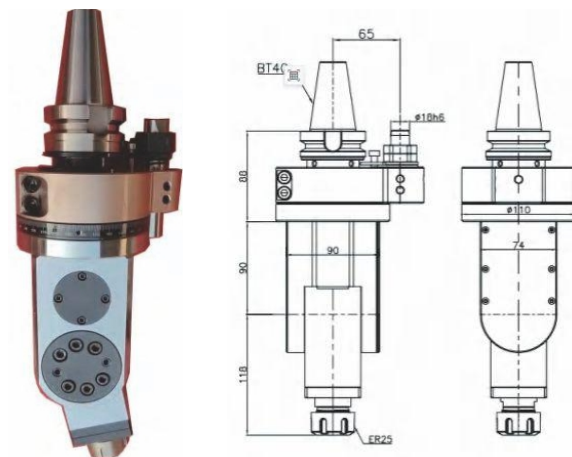
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



万向型ALU/ER32

万向角度头/universaiAnglehead



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
GU90-ER32	3800	7.5KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
GU90-ER32	3KW	35Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

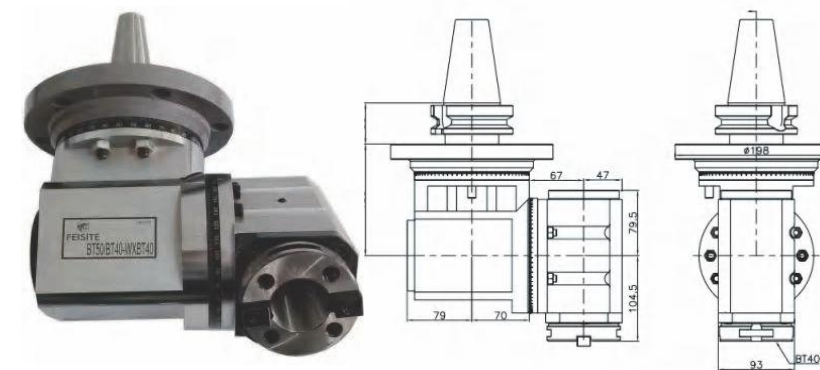
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



万向型ALU/BT40 中型

万向角度头/universaiAnglehead



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGU 90-ER20	2500	KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGU 90-ER20	35KW	160Nm	60/65/80

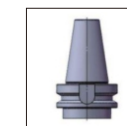
备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

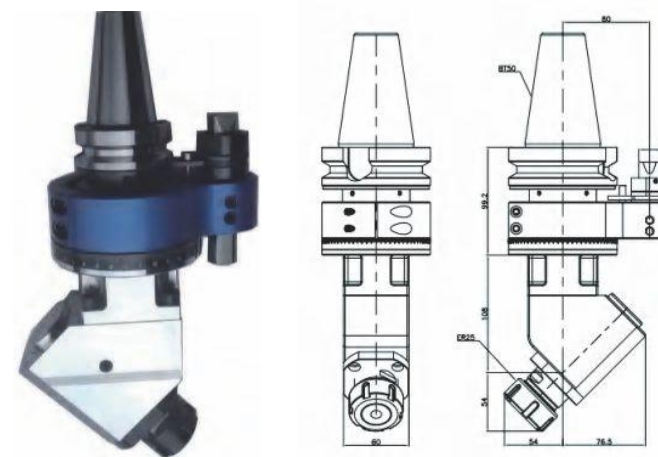
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



FST45-ER25

角度头/45° Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
FST45°-ER25	3000	7.3KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
FST45°-ER25	3KW	35Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

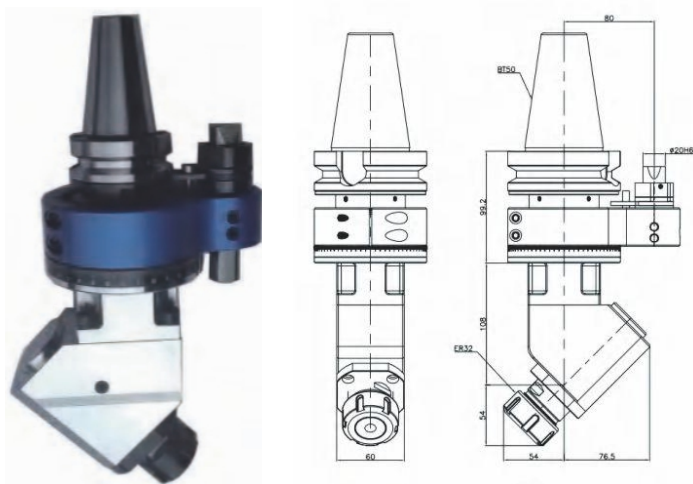
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



FST45度ER32

角度头/90 Angle head



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
FST45°-ER32	3000	10KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
FST45°-ER32	4KW	35Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

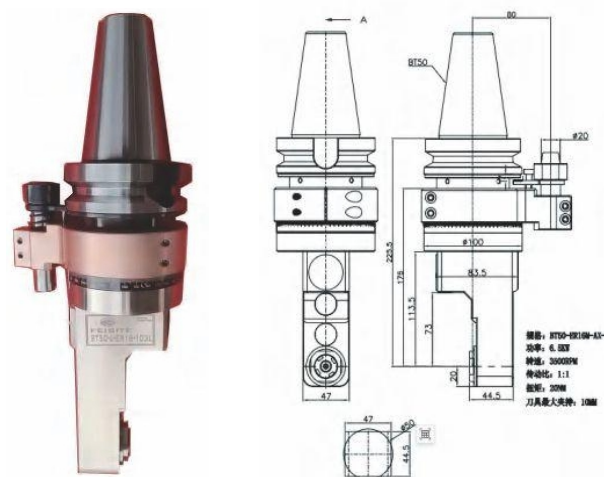
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



AGH90-L-ER16M

角度头/universaiAnglehead



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH90-L-ER16M	3500	7KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH90-L-ER16M	6.5KW	20Nm	60/65/80

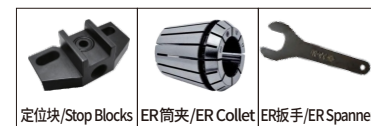
备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

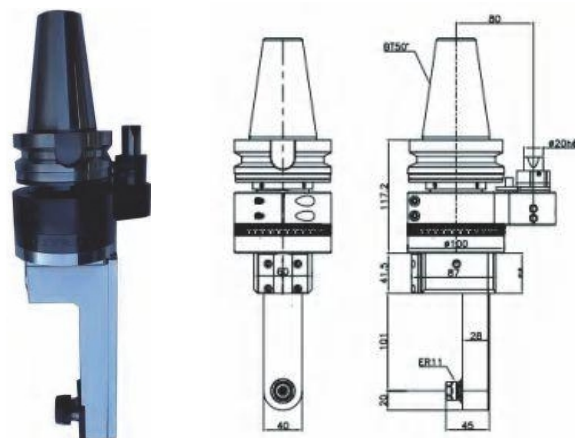
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



AGH90-L-ER11

角度头/universaiAnglehead



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH-L-ER11	3500	7KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH-L-ER11	2KW	18Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

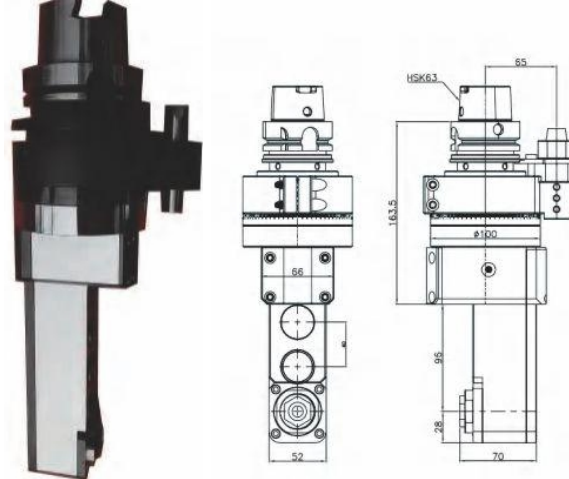
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



内缩式L-ER25M

角度头/universaiAnglehead



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH90-L-ER25	3000	KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH90-L-ER25	6.5KW	30Nm	60/65/80

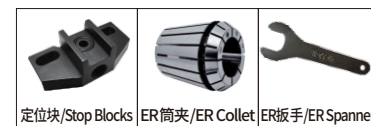
备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

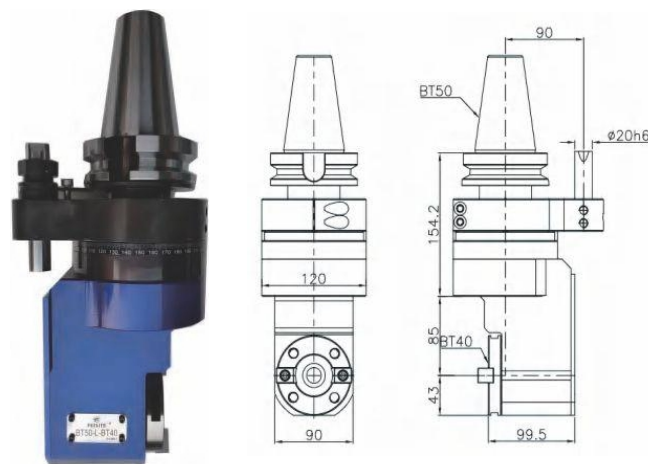
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



偏置型AGH-BT40 型

偏置型角度头/universaiAnglehead



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
WX-L-BT40	2500	7.5KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
WX-L-BT40	35KW	110Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

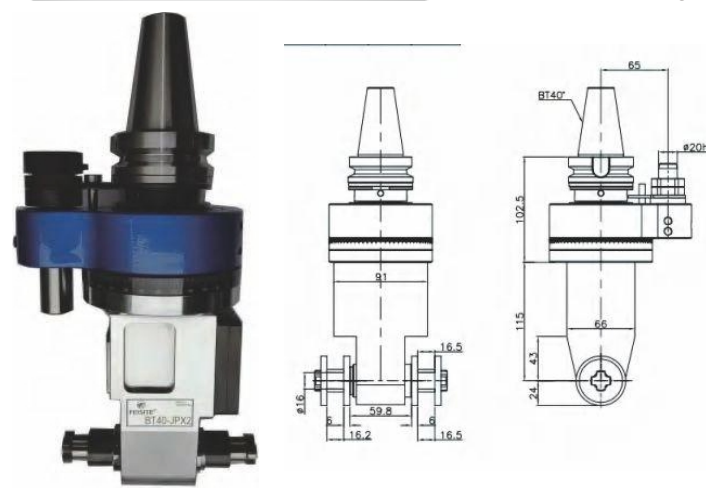
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



锯片铣刀型AGH90-JP50-2

锯片角度头/universaiAnglehead



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
JP50-2	3500	7.5KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
JP50-2	5KW	70Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

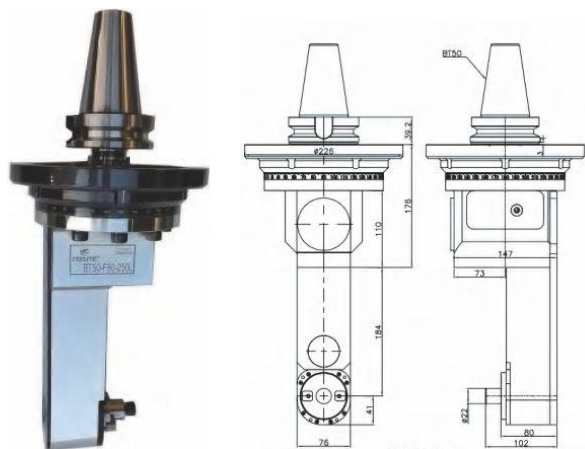
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



偏置型 AGH90-F80-180L

偏置型 F80/FMB22/Anglehead



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH90-F80	2500	18KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH90-F80	12KW	120Nm	60/65/80

备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

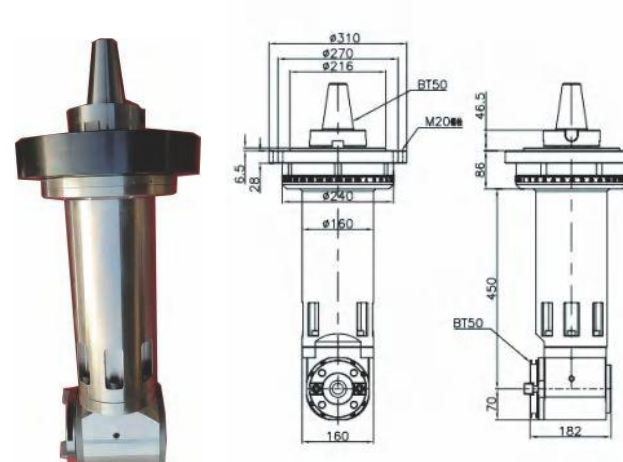
转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



龙门重型加长铣头BT50

重型角度头/Anglehead



型号规格/ Out	最高转速/RPM max	重量/Weight	减速比/Rotation
AGH90-BT50-450	2000	90KG	1:1
型号规格/ Out	最大功率/KW	最大扭矩/Nm max	固定销中心 Fixed pin center
AGH90-BT50-450	25KW	200Nm	60/65/80

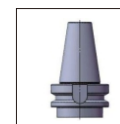
备注/Remark:
本产品当L大于100mm时,只接受法兰盘或其他方式连接/This product only accepts flanges or other when L is greater than 100mm.

可选驱动刀柄型号: BT、ISO、CAT、SK、HSK
Optional drive tool handle model

HSK 50/63/100	BT 30/40/50	CAT 30/40/50
SK 30/40/50	ISO30/40/50	

转向/Nm max:
输出端与主轴驱动刀柄旋转方向相反
The output is in the same direction as the spindle drive shank

过通孔直径
Through-hole diameter



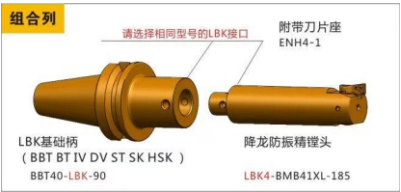
抗振刀杆系列

ANTI-VIBRATION TOOL HOLDER SERIES

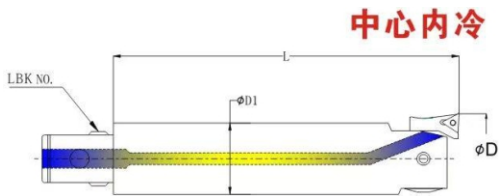
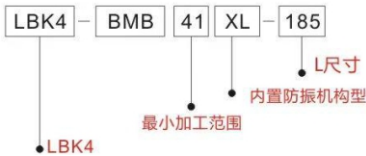


防振精镗头

Damped fine boring head



■ 型号说明



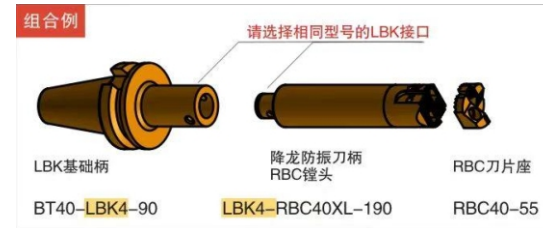
型号	对应基础柄 LBK No.	刀片座	加工范围中D	ΦD1	L	Kg	对应刀片
LBK1-BMB20XL100	LBK1	ENH-1	20-26	19	100	0.3	TP08
		ENH-2	25-31				
		ENH1-3	30-36				
LBK2-BMB25XL125	LBK2	ENH2-1	25-33	24	125	0.6	TP08
		ENH3-1	32-40				
		ENH4-1	39-47				
LBK3-BMB32XL160	LBK3	ENH3-1	32-42	29	160	1.2	TP08
		ENH3-2	41-57				
		ENH3-3	50-60				
LBK4-BMB41XL185	LBK4	ENH4-1	41~54	39	185	2.3	TC11
		ENH4-2	50~63				
		ENH4-3	61~74				
LBK5-BMB53XL210	LBK5	ENH5-1	53~70	50	210	4.4	TC11
		ENH5-2	65~82				
		ENH5-3	78~95				
LBK6-BMB68XL240	LBK6	ENH6-1	68~100	64	240	8.3	TC11
		ENH6-2	94~126				
		ENH6-3	118~150				
LBK6-BMB100XL240	LBK6	ENH6-1	100~153	64	240	8.8	TC11
		ENH6-2	126~179				
		ENH6-3	150~203				
LBK7-BMB100XL240	LBK7	ENH6-1	100~153	90	240	16.4	TC11
		ENH6-2	126~179				
		ENH6-3	150~203				

- 1.最大最小加工直径是刀片的刀尖半径R为0.4时的值。
2.附带ENHO-1刀片座,ENHO-2,3请另行订购。
3.不附带刀片。
1. The maximum and minimum machining diameter is the value when the tip radius R of the blade is 0.4.
2. ENHO-1 blade holder is included, ENHO-2, 3 please order separately.
3. Blades are not included.

LBK 镗刀系统

LBK BORING SYSTEM

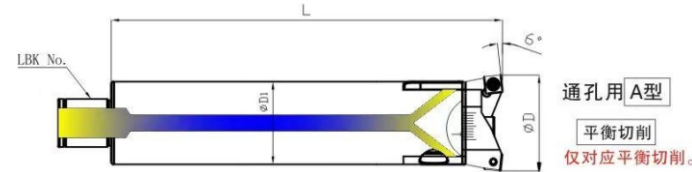
- 内置防振机构 ○加工范围: $\phi 20 \sim \phi 164$
◎降龙防振RB粗镗头。



型号说明

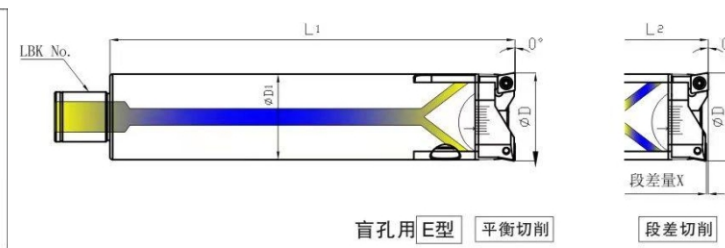
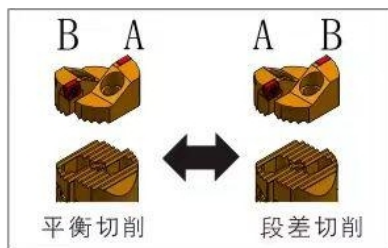
LBK4 - RBC 40 XL - 190

LBK No. 内置防振机构型
最小加工范围 L尺寸



- 通孔用A型(刀片的4个刀尖均可使用)

加工范围 ΦD	镗头型号	对应基础柄CK No.	对应刀片座	对应刀片	$\Phi D1$	L	质量 (kg)
20~25	LBK1RBS20XL105	LBK1	RBS2025A	SC06	19	105	0.3
25~35	LBK2RBS25XL130	LBK2	RBS2535A		24	130	0.6
32~45	LBK3RBS32XL165	LBK3	RBS3245A		31	165	1.2
40~50	LBK4RBS40XL190	LBK4	RBS4055A	SC09	39	190	2.3
52~75	LBK5RBS52XL220	LBK5	RBS5275A		50	220	4.4
68~92	LBK6RBS68XL245	LBK6	RBS6895A	SC12	64	245	8.3
90~122	LBK6RBS90XL245	LBK6	RBS90122A		64	245	8.8
120~164	LBK7RBS120XL245	LBK7	RBS122164A		88	245	16.4



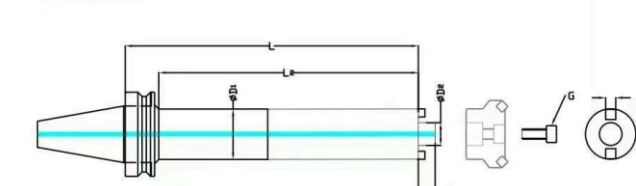
- 盲孔用E型(对应镗面加工)

加工范围 ΦD	镗头型号	对应基础柄CK No.	对应刀片座	对应刀片	$\Phi D1$	L	质量 (kg)
20~25	LBK1RBC20XL105	LBK1	RBC2025E	CC06	19	105	0.3
25~35	LBK2RBC25XL130	LBK2	RBC2535E		24	130	0.6
32~45	LBK3RBC32XL165	LBK3	RBC3245E		31	165	1.2
40~50	LBK4RBC40XL190	LBK4	RBC4055E	CC09	39	190	2.3
52~75	LBK5RBC52XL220	LBK5	RBC5275E		50	220	4.4
68~92	LBK6RBC68XL245	LBK6	RBC6895E	CC12	64	245	8.3
90~122	LBK6RBC90XL245	LBK6	RBC90122E		64	245	8.8
120~164	LBK7RBC120XL245	LBK7	RBC122164E		88	245	16.4

内置防振机构，面铣刀柄 FMB 型

Built-in anti-vibration mechanism, face mill shank FMB type

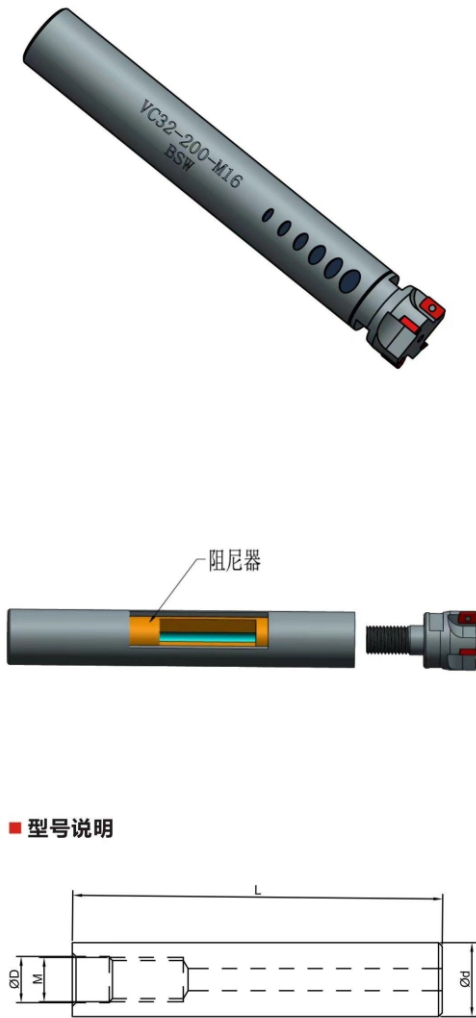
型号说明



型 号	L	L2	D1	D2	W	G	L3				
BT5047FMB22XL-250	250	210	47	22	10	M10	18				
BT5047FMB22XL-300	300	260									
BT5047FMB22XL-350	350	310									
BT5047FMB22XL-400	400	360									
BT5060FMB22XL-250	250	210	60					27	12	M12	20
BT5060FMB22XL-300	300	260									
BT5060FMB22XL-350	350	310									
BT5060FMB22XL-400	400	360									
BT5060FMB22XL-450	450	410									
BT5060FMB27XL-250	250	210									
BT5060FMB27XL-300	300	260									
BT5060FMB27XL-350	350	310									
BT5060FMB27XL-400	400	360									
BT5060FMB27XL-450	450	410									
BT5076FMB27XL-250	250	210	76	27	12	M12	20				
BT5076FMB27XL-300	300	260									
BT5076FMB27XL-350	350	310									
BT5076FMB27XL-400	400	360									
BT5076FMB27XL-450	450	410									

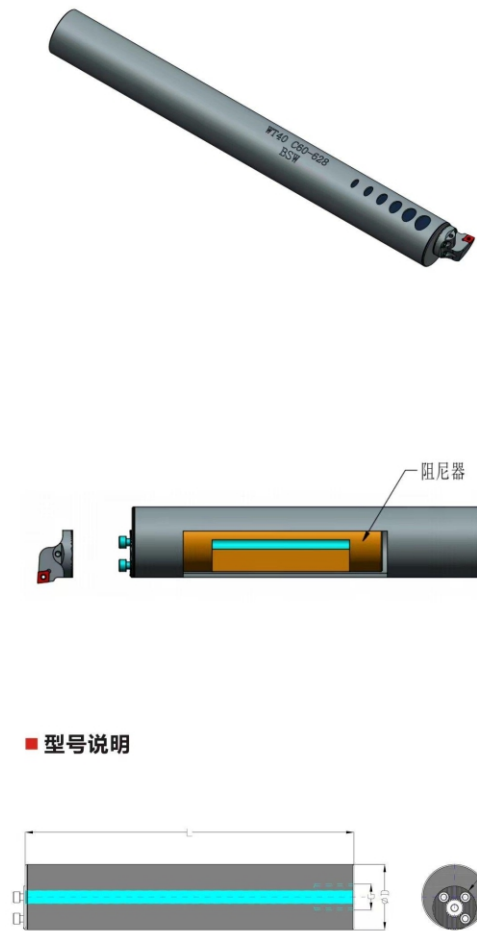
阻尼抗振锁牙刀杆
Damped anti-vibration locking shank

型 号	d	L	M	D
C16-100-M8	16	100	M8	8.5
C16-150-M8		150		
C16-200-M8		200		
C16-250-M8		250		
C19-100-M10	19	100		
C19-150-M10		150		
C19-200-M10		200		
SC19-250-M10		250		
SC19-300-M10	20	300	M10	10.5
C20-100-M10		100		
C20-150-M10		150		
C20-200-M10		200		
SC20-250-M10	20	250		
SC20-300-M10		300		
SC20-350-M10		350		
C24-100-M12	24	100		
C24-150-M12		150		
C24-200-M12		200		
C24-250-M12		250		
C24-300-M12	25	300	M12	12.5
C24-350-M12		350		
C25-100-M12		100		
C25-150-M12		150		
C25-200-M12	25	200		
C25-250-M12		250		
SC25-300-M12		300		
SC25-350-M12		350		
C32-100-M16	32	100		
C32-150-M16		150		
C32-200-M16		200		
C32-250-M16		250		
C32-300-M16	40	300	M16	17
C32-350-M16		350		
C32-400-M16		400		
C32-450-M16		450		
C40-300-M16	40	300		
C40-350-M16		350		
C40-400-M16		400		
C40-450-M16		450		



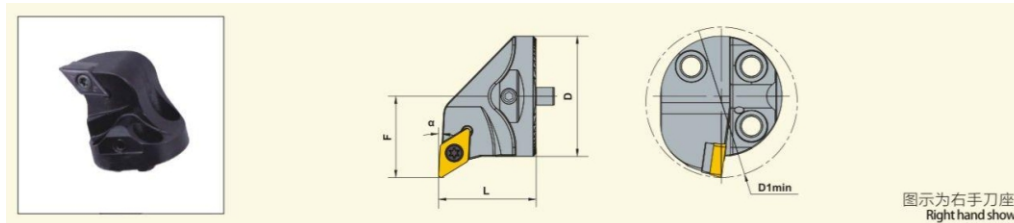
阻尼抗振车刀
Damped anti-vibration turning tools

型 号	d	L	G	适配刀头
WT16 C16-156	16	156	G1/8	WT16
WT16 C16-204		204		
WT20 C20-200	20	200		WT20
WT20 C20-260		260		
WT20 C20-320S	25	320	G1/4	WT25
WT25 C25-255		255		
WT25 C25-330		330		
WT25 C25-380S		380		
WT25 C25-430S	32	430	G3/8	WT32
WT32C32-320		320		
WT32 C32-416		416		
WT32 C32-480S		480		
WT32C32-544S	40	544		
WT40 C40-408		408		
WT40 C40-528		528		
WT40 C40-608S		608		
WT40 C40-688S	50	688	G1/2	
WT40C50-518		518		
WT40 C50-668		668		
WT40 C50-768S		768		
WT40 C50-868	60	868		
WT40 C60-628		628		
WT40 C60-808		808		
WT40 C60-920		920		
WT40 C60-1040	80	1040		
WT40 C80-880		880		
WT40 C80-1200		1200		
WT40 C80-1400		1400		
WT40 C100-1100	100	1100		
WT40 C100-1500		1500		
WT40 C120-1900	120	1900	G3/4	WT40
WT40 C130-2000	130	2000		
WT40 C140-2200	140	2200		
WT40 C150-2400	150	2400		
WT40 C160-2600	160	2600		



阻尼减振车刀刀头 Cartridge for Damping Turning Tool Holder

正型93°正镗 Positive Type 93°Boring

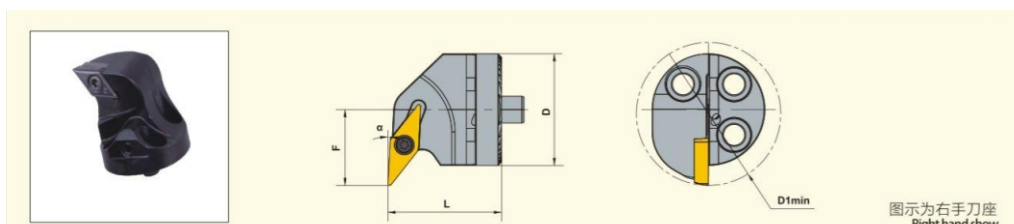


规格型号	D	D1 min	F	L	α°	Kg	适配刀片
WT16 SDUCR-07	16	20	11	20	3°	0.02	DC..0702.
WT20 SDUCR-11	20	25	13	20	3°	0.03	DC..11T3..
WT25 SDUCR-11	25	32	17	20	3°	0.04	DC..11T3.
WT32 SDUCR-11T	32	40	22	32	3°	0.1	DC..11T3.
WT40 SDUCR-11T	40	50	27	32	3°	0.2	DC..11T3.
WT16 SDUCL-07	16	20	11	20	3°	0.02	DC..0702.
WT20 SDUCL-11	20	25	13	20	3°	0.03	DC..11T3.
WT25 SDUCL-11	25	32	17	20	3°	0.04	DC..11T3..
WT32 SDUCL-11T	32	40	22	32	3°	0.1	DC..11T3..
WZT40 SDUCL-11T	40	50	27	32	3°	0.2	DC..11T3..

● 备件spare Parts

规格型号	刀片锁紧螺钉	锁紧扳手 Allenkey for clamping	刀垫 shim	刀垫螺套 leeve for shim	刀垫扳手 Allenkey for shim	定位销
Wt16 ..-07	SR21 M2.5x5.3	KEY02T7	-	-	-	FT39D4-3x7
WT20..-11	SR21 M4x11	KEY02T15	-	-	-	FT39D6-5x8
WT25..-11	SR21 M4x11	KEY02T15	-	-	-	FT39D6-5x9
WT32..-11T	SR21 M4x11	KEY02T15	ST01 DC11x2.82	SRT M6-M4x6.9	KEY01M4	FT39D6-5x11
WT40..-11T	SR21 M4x11	KEY02T15	ST01 DC11x2.82	SRT M6-M4x6.9	KEY01M4	FT39D6-5x11

正型 93°正镗及仿形车 Positive Type 93° Boring and Profile-turning



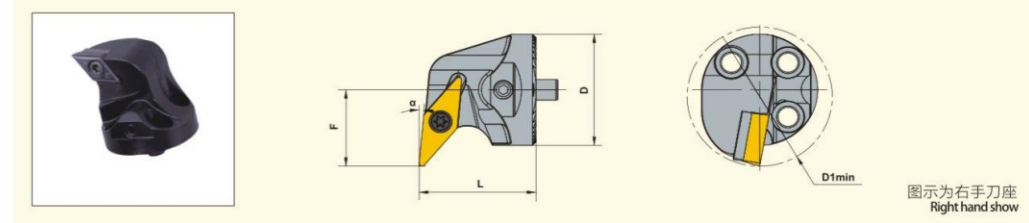
规格型号	D	D1 min	F	L	α°	Kg	适配刀片
WT20 SVUCR-11	20	27	16	20	3°	0.02	VC..1103..
WT25 SVUCR-11	25	31	17	25	3°	0.04	VC..1103.
WT20 SVUCL-11	20	27	16	20	3°	0.02	VC..1103..
WT25 SVUCL-11	25	31	17	25	3°	0.04	VC..1103..

● 备件spare Parts

规格型号Designation	刀片锁紧螺钉	锁紧扳手 Allenkey for clamping	定位销
WT20..-11	SR20 M2.5x6	KEY02T8	FT39D6-5x8
WT25..-11	SR20 M2.5x6	KEY02T8	FT39D6-5x9

阻尼减振车刀刀头 Cartridge for Damping Turning Tool Holder

正型95°正镗及仿形车 Positive Type 95°Boring and Profile-turning

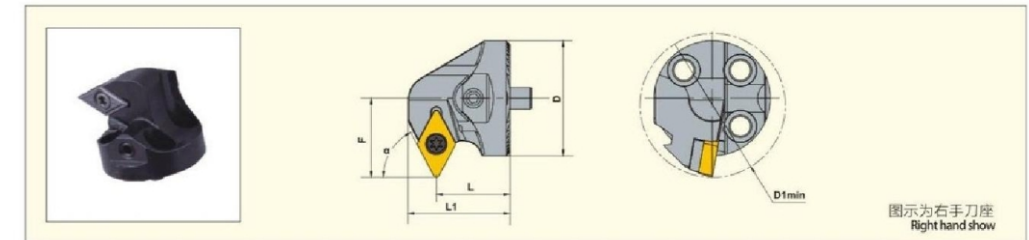


规格型号	D	D1 min	F	L	α°	Kg	适配刀片
WT32 SVLCR-16T	32	40	22	32	5°	0.01	VC..1604.
WT40 SVLCR-16T	40	50	27	32	5°	0.15	VC..1604.
WT32 SVLCL-16T	32	40	22	32	5°	0.1	VC..1604.
WT40 SVLCL-16T	40	50	27	32	5°	0.15	VC..1604.

● 备件spare Parts

规格型号	刀片锁紧螺钉	锁紧扳手 Allenkey for clamping	刀垫 shim	刀垫螺套 leeve for shim	刀垫扳手 Allenkey for shim	定位销
WT32..-16T	SR21 M4X11	KEY02 T15	St01 VC16x2.82	SRT M6-M4x6.9	KEY01 M4	FT39 D6-5×11
WT40..-16T	SR21 M4X11	KEY02 T15	St01 VC16x2.82	SRT M6-M4x6.9	KEY01 M4	FT39 D6-5X11

正型 62.5°仿形车 Positive Type 62.5° Profile-turning



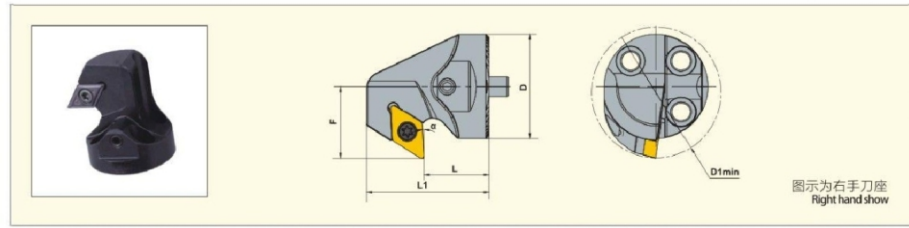
规格型号	D	D1 min	F	L	L1	α°	Kg	适配刀片
WT16 SDPCR-07	16	22	13	15	19	62.5°	0.01	DC..0702.
WT20 SDPCR-07	20	27	15	15	19	62.5°	0.02	DC..0702..
WT25 SDPCR-07	25	33	18	15	19	62.5°	0.03	DC..0702..
WT32 SDPCR-11T	32	40	22	20	28	62.5°	0.09	DC..11T3.
WT40 SDPCR-11T	40	50	27	20	28	62.5°	0.14	DC..11T3.
WT16 SDPCL-07	16	22	13	15	19	62.5°	0.01	DC..0702..
WT20 SDPCL-07	20	27	15	15	19	62.5°	0.02	DC..0702.
WT25 SDPCL-07	25	33	18	15	19	62.5°	0.03	DC..0702.
WT32 SDPCL-11T	32	40	22	20	28	62.5°	0.09	DC..11T3..
WT40 SDPCL-11T	40	50	27	20	28	62.5°	0.14	DC..11T3..

● 备件spare Parts

规格型号	刀片锁紧螺钉	锁紧扳手 Allenkey for clamping	刀垫 shim	刀垫螺套 leeve for shim	刀垫扳手 Allenkey for shim	定位销
WT16..-07	SR21 M2.5X5.3	KEY02 T7				FT39 D4-3X7
WT20..-07	SR21 M2.5X5.3	KEY02 T7				FT39 D6-5X8
WT25..-07	SR21 M2.5X5.3	KEY02 T7				FT39 D6-5X9
WT32..-11T	SR21 M4X11	KEY02 T15	ST01 DC11×2.82	SRT M6-M4x6.9	KEY01 M4	FT39 D6-5×11
WT40..-11T	SR21 M4×11	KEY02 T15	ST01 DC11X2.82	SRT M6-M4x6.9	KEY01 M4	FT39 D6-5X11

阻尼减振车刀刀头 Cartridge for Damping Turning Tool Holder

正型93°反镗Positive Type 93°Back Boring

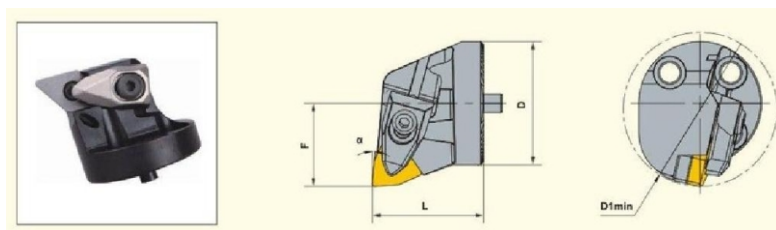


规格型号	D	D1 min	F	L	L1	α°	Kg	适配刀片
WT16 SDZCR-07	16	22	13	15	27	3°	0.03	DC..0702.
WT20 SDZCR-07	20	27	15	15	27	3°	0.05	DC..0702.
WT25 SDZCR-07	25	33	18	15	27	3°	0.12	DC..0702.
WT32 SDZCR-11T	32	40	22	20	38	3°	0.14	DC..11T3..
WT40 SDZCR-11T	40	50	27	20	38	3°	0.19	DC..11T3.
WT16 SDZCL-07	16	22	13	15	27	3°	0.03	DC..0702.
WT20 SDZCL-07	20	27	15	15	27	3°	0.05	DC..0702.
WT25 SDZCL-07	25	33	18	15	27	3°	0.12	DC..0702..
WT32 SDZCL-11T	32	40	22	20	38	3°	0.14	DC..11T3.
WT40 SDZCL-11T	40	50	27	20	38	3°	0.19	DC..11T3..

● 备件spare Parts

规格型号	刀片锁紧螺钉	锁紧扳手	刀垫	刀垫螺套	刀垫扳手	定位销
		Allenkey for clamping	shim	leevefor shim	Allenkey for shim	
WT16..-07	SR21 M2.5X5.3	KEY02 T7	-	-	-	FT39D4-3x7
WT20..-07	SR21 M2.5X5.3	KEY02 T7	-	-	-	FT39D6-5x8
WT25..-07	SR21 M2.5X5.3	KEY02 T7	-	-	-	FT39D6-5x9
WT32..-11T	SR21 M4X11	KEY02 T15	ST01 DC11X2.82	SRT M6-M4x6.9	KEY01M4	FT39D6-5x11
WT40..-11T	SR21 M4X11	KEY02 T15	ST01 DC11X2.82	SRT M6-M4x6.9	KEY01M4	FT39D6-5x11

正型95°正镗Positive Type 95°Profile-turning



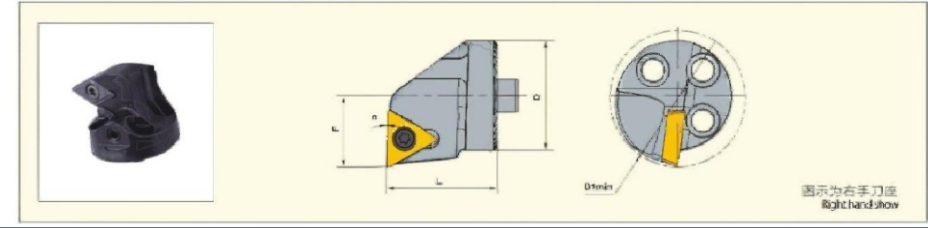
规格型号	D	D1 min	F	L	α°	Kg	适配刀片
WT32 DWLNR-06T	32	40	22	32	5°	0.11	WN..0604..
WT32 DWLNR-08T	32	46	24	36	5°	0.12	WN..0804..
WT40 DWLNR-08T	40	50	27	36	5°	0.23	WN..0804..
WT32 DWLNL-06T	32	40	22	32	5°	0.11	WN..0604..
WT32 DWLNL-08T	32	46	24	36	5°	0.12	WN..0804..
WT40 DWLNL-08T	40	50	27	36	5°	0.23	WN..0804..

● 备件spare Parts

规格型号	压板	压板弹簧	压板螺钉	刀垫	压板扳手	刀垫锁紧螺钉	刀垫锁紧扳手	定位销
Designation	Clamping pad	clanpngpad	spmpa	shim	Inpkegpad	claropshicrew	Allenkey for shim	Locating pin
WT32..06T	PB10DDN11	YH7x0.6x13	SR59M4x16	ST01WNO6x3.18	KEY01M2.5	SR20M4x9.5	KEY02T15	FT39D6-5x11
WT32..08T	PB10DCN12	YH 8x0.6x13	SR59M5x20	ST01WN08x3.18	KEY01M3	SR20M5x10	KEY02T20	FT39D6-5x11
WT40..08T	PB10DCN12	YH 8x0.6x13	SR59M5x20	ST01WN08x6.35	KEY01M3	SR20M4x9.5	KEY02T15	FT39D6-5x11

阻尼减振车刀刀头 Cartridge for Damping Turning Tool Holder

正型91°正镗Positive Type 91°Profile-turning

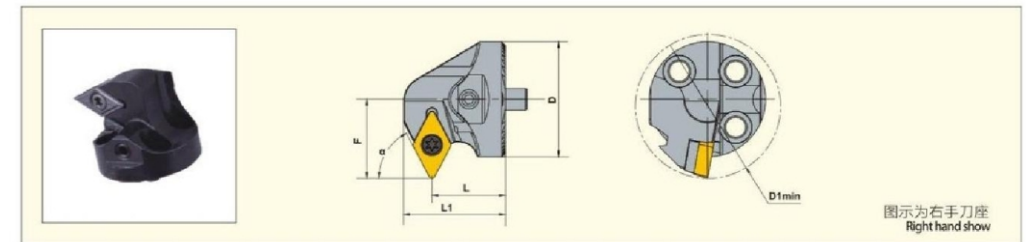


规格型号	D	D1 min	F	L	α	Kg	适配刀片
WT16 STFCR-09	16	20	11	20	1°	0.02	TC..0902.
WT16 STFCR-11	16	20	11	20	1°	0.02	TC..1102..
WT20 STFCR-11	20	25	13	20	1°	0.03	TC..1102.
WT25 STFCR-11	25	32	17	20	1°	0.04	TC..1102.
WT32 STFCR-16	32	40	22	32	1°	0.1	TC..16T3.
WT40 STFCR-16	40	50	27	32	1°	0.2	TC..16T3..
WT16 STFCL-09	16	20	11	20	1°	0.02	TC..0902.
WT16 STFCL-11	16	20	11	20	1°	0.02	TC..1102.
WT20 STFCL-11	20	25	13	20	1°	0.03	TC..1102.
WT25 STFCL-11	25	32	17	20	1°	0.04	TC..1102.
WT32 STFCL-16	32	40	22	32	1°	0.1	TC..16T3.
WT40 STFCL-16	40	50	27	32	1°	0.2	TC..16T3..

● 备件spare Parts

规格型号	刀片锁紧螺钉ClapingscrewTor insert	锁紧扳手Allenkey for clamping	定位销
WT16..-09	SR20M2.2x5.6	KEY02T7	FT39 D4-3X7
WT16..-11	SR20M2.5x6	KEY02T8	FT39 D4-3X7
WT20..-11	SR20M2.5x6	KEY02T8	FT39 D6-5X8
WT25..-11	SR20M2.5x6	KEY02T8	FT39 D6-5X9
WT32..-16	SR21M4x9.5	KEY02T15	FT39 D6-5×11
WT40..-16	SR21M4x9.5	KEY02T15	FT39 D6-5×11

正型93°反镗及仿形车 Positive Type 93°Back Boring and Profile-turning



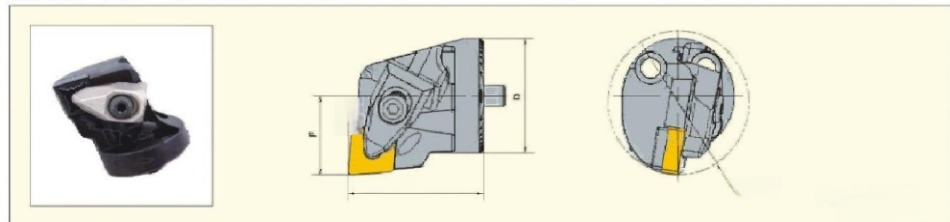
规格型号	D	D1 min	F	L	L1	α°	Kg	适配刀片
WT20 SVZCR-11	20	32	20	15	27	3°	0.03	VC..1103.
WT25 SVZCR-11	25	37	22	15	27	3°	0.05	VC..1103.
WT20 SVZCL-11	20	32	20	15	27	3°	0.03	VC..1103..
WT25 SVZCL-11	25	37	22	15	27	3°	0.05	VC..1103.

● 备件spare Parts

规格型号	刀片锁紧螺钉Clampin crewfor insert	锁紧扳手Allenkey for clamp	定位销
WT20..-11	SR20M2.5x6	KEY02T8	FT39 D6-5X8
WT25..-11	SR20M2.5x6	KEYO2T8	FT39 D6-5X9

阻尼减振车刀刀头 Cartridge for Damping Turning Tool Holder

负型 95°正镗 Negative Type 95°Boring

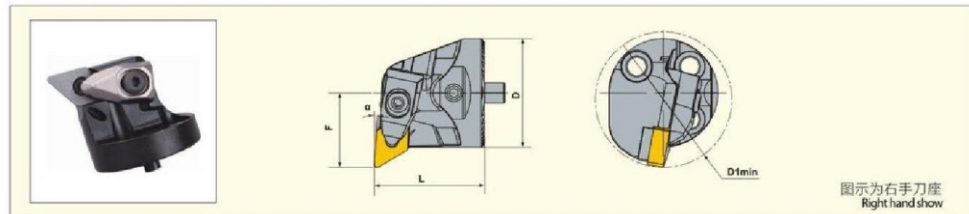


规格型号	D	D1 min	F	L	a	Kg	适配刀片
WT32 DCLNR-12T	32	40	22	38	5°	0.12	CN..1204..
WT40 DCLNR-12T	40	50	27	38	5°	0.21	CN..1204.
WT32 DCLNL-12T	32	40	22	38	5°	0.12	CN..1204.
WT40 DCLNL-12T	40	50	27	38	5°	0.21	CN..1204.

● 备件spare Parts

规格型号	压板	压板弹簧	压板螺钉	刀垫	压板扳手	刀垫锁紧螺钉	刀垫锁紧扳手	定位销
Designation	Clampingpad	clanpngpad	smpa	shim	Inpkegpad	claroprshicrew	Allenkeyforshim	Locatingpin
WT32..-12T	PB10 DCN12	YH 8x0.6x13	SR59 M5X20	ST01 CN12X3.2	KEY01 M3	SR20 M5X10	KEY02 T20	FT39D6-5x11
WT40..-12T	PB10 DCN12	YH8x0.6x13	SR59 M5X20	ST01 CN12X3.	KEY01 M3	SR20 M5X10	KEY02 T20	FT39D6 5x11

负型93°正镗及仿形车 Negative Type 93°Boring and Profile-turning



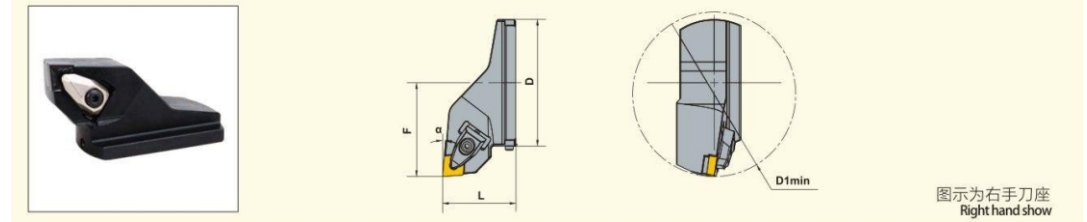
规格型号	D	D1 min	F	L	a°	Kg	适配刀片
WT32 DDUNL-11T	32	40	22	32	3°	0.11	DN..1104.
WT40 DDUNL-15T	40	50	27	38	3°	0.18	DN..1506..
WT32 DDUNR-11T	32	40	22	32	3°	0.11	DN..1104..
WT40 DDUNR-15T	40	50	27	38	3°	0.18	DN..1506.
WT40 DVUNR-16T	40	56	34	38	3°	0.2	VN..1604.
WT40 DVUNL-16T	40	56	34	38	3°	0.2	VN..1604..

● 备件spare Parts

规格型号	压板	压板弹簧	压板螺钉	刀垫	压板扳手	刀垫锁紧螺钉	刀垫锁紧扳手	定位销
Designation	Clampingpad	clanpngpad	smpa	shim	Inpkegpad	claroprshicrew	Allenkeyforshim	Locatingpin
WT32..-11T	PB10 DDN11	YH7×0.6x13	SR59 M4X16	ST01 DN11X3.18	KEY01 M2.5	SR21 M4X9.5	KEY02 T15	FT39D6 5x11
WT40..-15T	PB10 DCN12	YH 8x0.6x13	SR59 M5X20	ST01 DN15X4.76	KEY01 M3	SR20 M4X11.5	KEY02 T15	FT39D6 5x11
WT40..-16T	PB10 DVN16	YH 9x0.8x14	SR59 M6x26.5	ST01 VN16X3.2	KEY01 M4	SR20 M3.5X8.5	KEY02 T10	FT39D6-5x11

阻尼减振车刀刀头 Cartridge for Damping Turning Tool Holder

负型 95°正镗 Negative Type 95°Boring

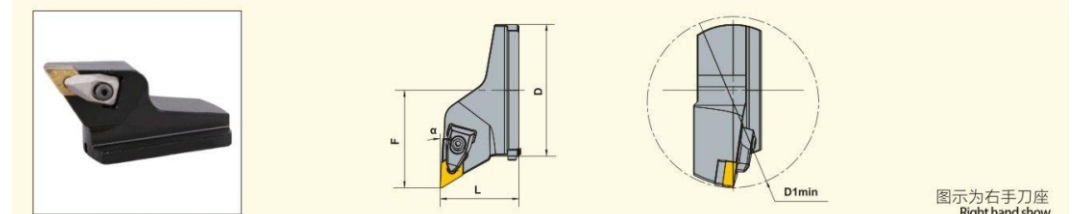


规格型号	D	D1 min	F	L	a	Kg	适配刀片
WH80 DCLNR-12T	80	100	57	45	5°	0.49	CN..1204..
WH80 DCLNL-12T	80	100	57	45	5°	0.49	CN..1204.

● 备件spare Parts

规格型号	压板	压板弹簧	压板螺钉	刀垫	压板扳手	刀垫锁紧螺钉	刀垫锁紧扳手
Designation	Clampingpad	clanpngpad	smpa	shim	Inpkegpad	claroprshicrew	Allenkeyforshim
WH80..-12T	PB10 DCN12	YH 8x0.6x13	SR59 M5X20	ST01 CN12X3.2	KEY01 M3	SR20 M5X10	KEY02 T20

负型93°正镗及仿形车 Negative Type 93°Boring and Profile-turning

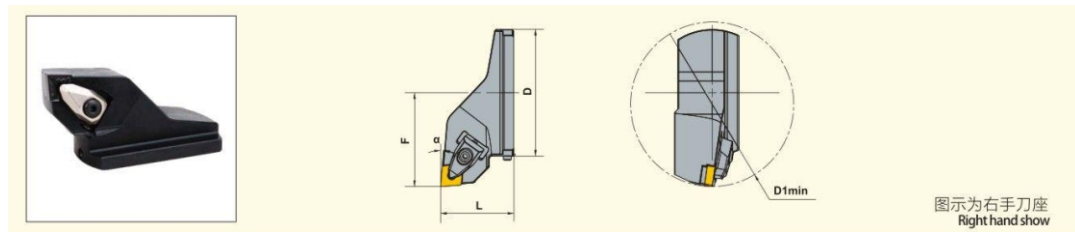


规格型号	D	D1 min	F	L	a°	Kg	适配刀片
Wh80 DDUNR-15T	80	100	57	46	3°	0.5	DN..1506..
Wh80 DDUNR-15T	80	100	57	46	3°	0.5	DN..1506..

● 备件spare Parts

规格型号	压板	压板弹簧	压板螺钉	刀垫	压板扳手	刀垫锁紧螺钉	刀垫锁紧扳手
Designation	Clampingpad	clanpngpad	smpa	shim	Inpkegpad	claroprshicrew	Allenkeyforshim
WH80..-15T	PB10 DCN12	YH 8x0.6x13	SR59 M5X20	ST01 DN15X4.76	KEY01 M3	SR20 M4X11.5	KEY02 T50

阻尼减振车刀刀头 Cartridge for Damping Turning Tool Holder 负型93°反镗及仿形车 Negative Type 93°Back Boring and Profile-turning

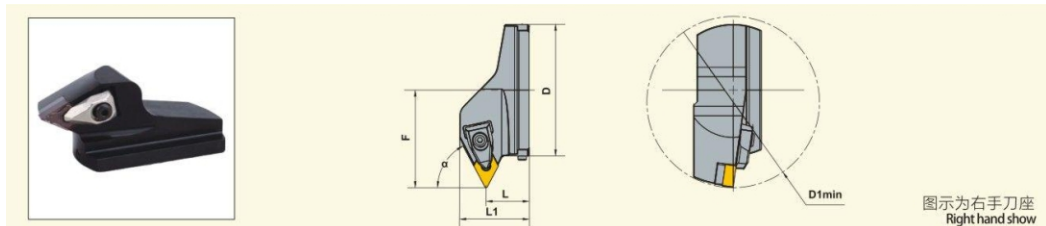


规格型号	D	D1min	F	L	L1	a	Kg	适配刀片
WH80 DDZNR-15T	80	100	57	20	45	3°	0.55	DN..1506..
WH80 DDZNL-15T	80	100	57	20	45	3°	0.55	DN..1506..

● 备件spare Parts

规格型号	压板	压板弹簧	压板螺钉	刀垫	压板扳手	刀垫锁紧螺钉	刀垫锁紧扳手
Designation	Clampingpad	clanpngpad	smpa	shim	Inpkegpad	claroprshicrew	Allenkeyforshim
WH80..-15T	PB10 DCN12	YH 8x0.6x13	SR59 M5X20	ST01 CN15X4.76	KEY01 M3	SR20 M4X11.5	KEY02 T15

负型 62.5° 仿形车 Negative Type 62.5°Boring and Profile-turning

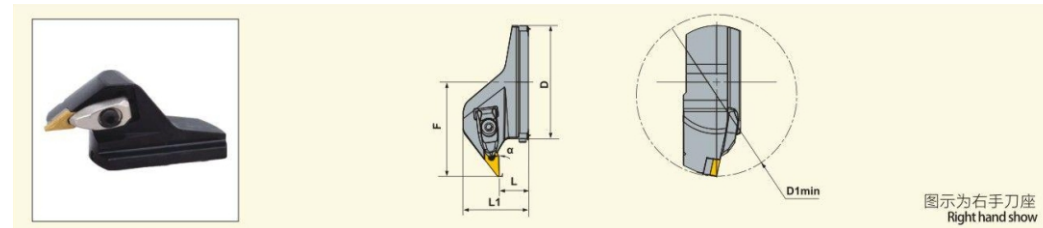


规格型号	D	D1min	F	L	L1	a	Kg	适配刀片
WH80 DDPNR-15T	80	100	57	25	40.3	62.5°	0.49	DN..1506..
WH80 DDPNL-15T	80	100	57	25	40.3	62.5°	0.49	DN..1506..

● 备件spare Parts

规格型号	压板	压板弹簧	压板螺钉	刀垫	压板扳手	刀垫锁紧螺钉	刀垫锁紧扳手
Designation	Clampingpad	clanpngpad	smpa	shim	Inpkegpad	claroprshicrew	Allenkeyforshim
WH80..-15T	PB10 DCN12	YH 8x0.6x13	SR59 M5X20	ST01 DN15X4.76	KEY01 M3	SR20 M4X11.5	KEY02 T50

阻尼减振车刀刀头 Cartridge for Damping Turning Tool Holder 负型93°反镗及仿形车 Negative Type 93°Boring and Profile-turning

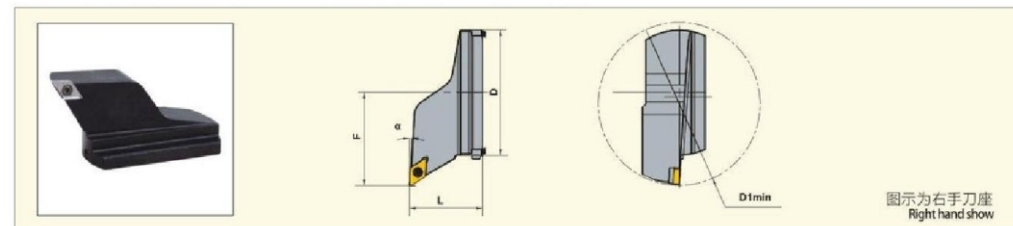


规格型号	D	D1min	F	L	L1	a	Kg	适配刀片
WH80 DVZNR-16T	80	110	64	20	45	3°	0.49	VN..1604..
WH80 DVZNL-16T	80	110	64	20	45	3°	0.49	VN..1604..

● 备件spare Parts

规格型号	压板	压板弹簧	压板螺钉	刀垫	压板扳手	刀垫锁紧螺钉	刀垫锁紧扳手
Designation	Clampingpad	clanpngpad	smpa	shim	Inpkegpad	claroprshicrew	Allenkeyforshim
WH80..-16T	PB10 DVN16	YH 9X0.8X14	SR59 M6X26.5	ST01 VN16X3.2	KEY01 M4	SR20 M3.5×8.5	KEY02 T10

正型93°正镗及仿形车 Positive Type 93°Boring and Profile-turning

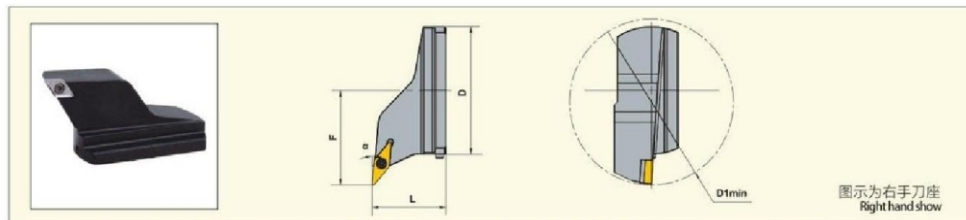


规格型号	D	D1min	F	L	a	Kg	适配刀片
WH80 SDUCR-11T	80	100	57	45	3°	0.5	DC..11T3.
WH80 SDUCL-11T	80	100	57	45	3°	0.5	DC..11T3.

● 备件spare Parts

规格型号	刀垫锁紧螺钉	锁紧扳手	刀垫	刀垫螺套	刀垫扳手
Designation	claroprshicrew	Allen key for clamping	shim	Sleeve for shim	Allen key for shim
WH80..-11T	SR21 M4X11	KEY02 T15	ST01 DC11X2.82	SRT M6-M4X6.9	KEY01 M4

阻尼减振车刀刀头 Cartridge for Damping Turning Tool Holder 正型95°正镗及仿形车 Positive Type 95°Boring and Profile-turning

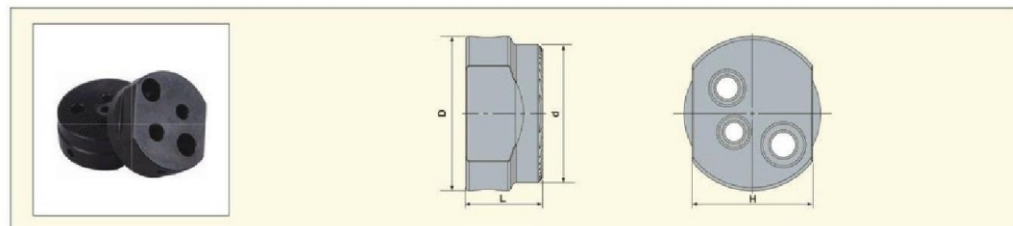


规格型号	D	D1 min	F	L	a	Kg	适配刀片
WH80 SVLCL-16T	80	100	57	45	5°	0.44	VC..1604..
WH80 SVLCL-16T	80	100	57	45	5°	0.44	VC..1604..

● 备件spare Parts

规格型号	刀片锁紧螺钉	锁紧扳手	刀垫	刀垫螺套	刀垫扳手
Designation	Clamping screw for insert	Allen key for clamping	shim	Sleeve for shim	Allen key for shim
WH80..-16T	SR21 M4X11	KEY02 T15	ST01 VC16X2.82	SRT M6-M4X6.9	KEY01 M4

中心校准块Centre Calibration Block



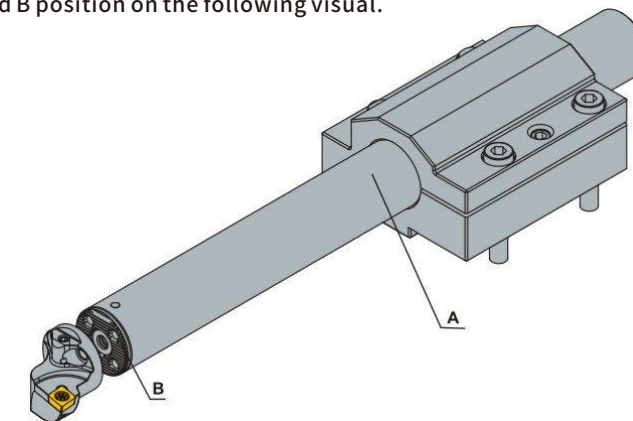
规格型号	D	d	H	L	适用刀杆	KG
WTXZ 16-25	28	25	22	14	WT16/WT20/WT25	0.05
WTXZ 32-60	62	60	52	25	WT32/WT40/WT50/WT60	0.45

阻尼减振车刀使用说明 User Guide for Damping Turning Tool

减振刀具安装及调整

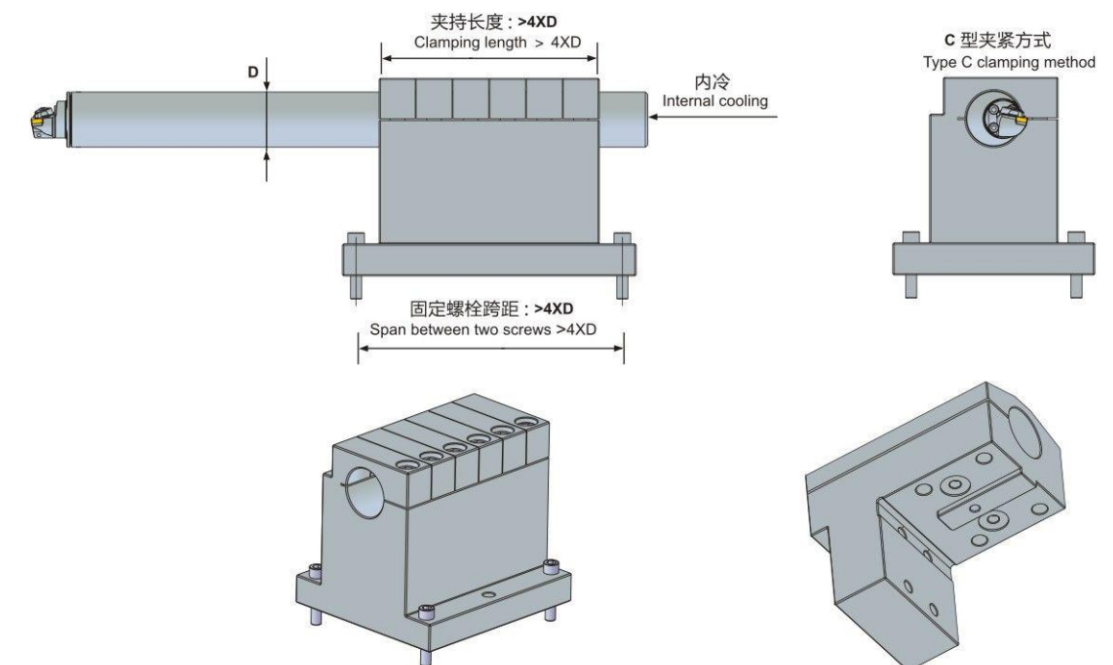
Assembly and Adjusting

1.准备安装配合部位必须擦拭干净,如:减振刀杆及刀头V型定位槽、减振刀杆柄部外圆及安装座内孔,见下图 A、B 两处示意位置。
Assembly and Adjusting Preparation Wipe clean the positions which need to be assembled, ike V geometric slot on the cartridge and shank, the end of the shank which wilbe connected with adaptor, and internal hole on the clamping holder. See A and B position on the following visual.



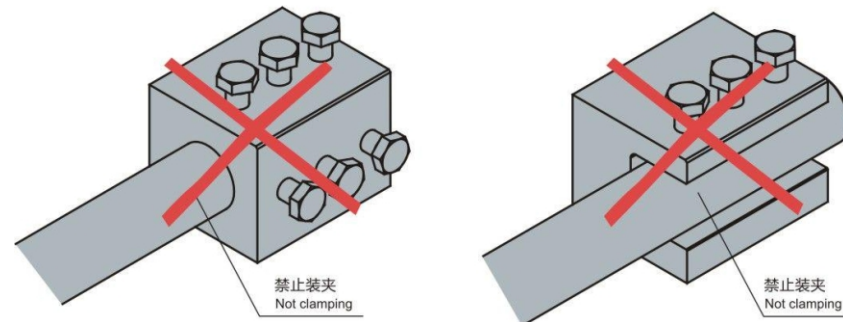
2.刀杆的安装

安装夹持长度不少于刀杆径的4倍,使用开口夹套等抱紧装夹方式,禁止使用螺钉直压等锁紧方式,长时间使用必须使用内冷却,如下图所示。Assembly for the Shank The clamping length should not be less than 4 L/D raio. Suggest using the clamping cover with opening method and other holding clamping methods. Donat use screw clamping method. Use inner cooling please when working a long time.



阻尼减振车刀使用说明

User Guide for Damping Turning Tool

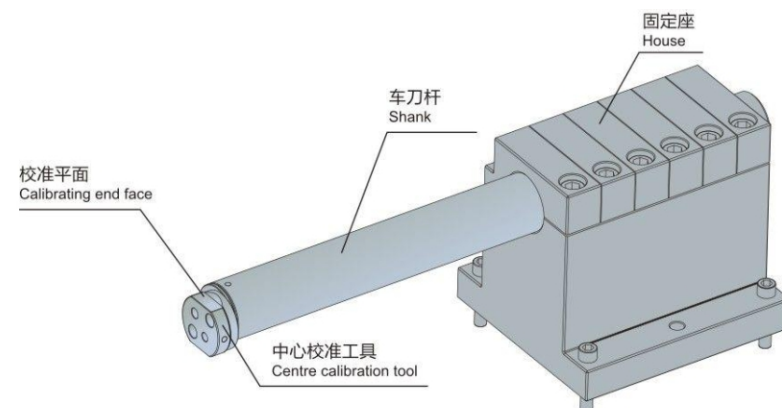


3.中心高调整

首次安装刀杆需要使用专用中心高校准工具,安装于车刀杆齿形槽接口处,锁紧,沿机床X轴方向校平基准平面0.01以内,锁紧刀杆后拆掉校准工具

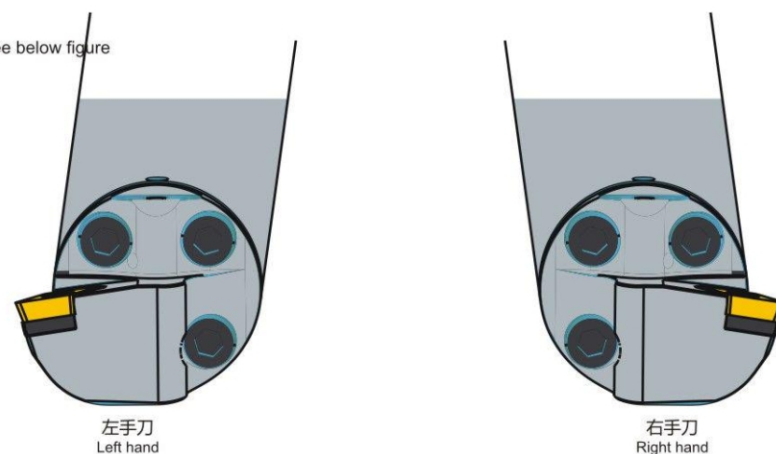
Adjust the Height of Centre

Exclusive calibration tool for the height of centre should be used when assembling the shank at the first time. Assemble the shank into the V geometricslot firstly, then calibrate it within 0,01 tolerance on the X-axis direction.



4. 安装正确的车刀头

Assemble the right cartridge, see below figure



阻尼减振车刀使用说明

User Guide for Damping Turning Tool

减振刀杆的长度调整

1.推荐最小夹持长度 4xD2.镗杆可改制,切断后的长度如下表

Adjusting the Length of the Shank

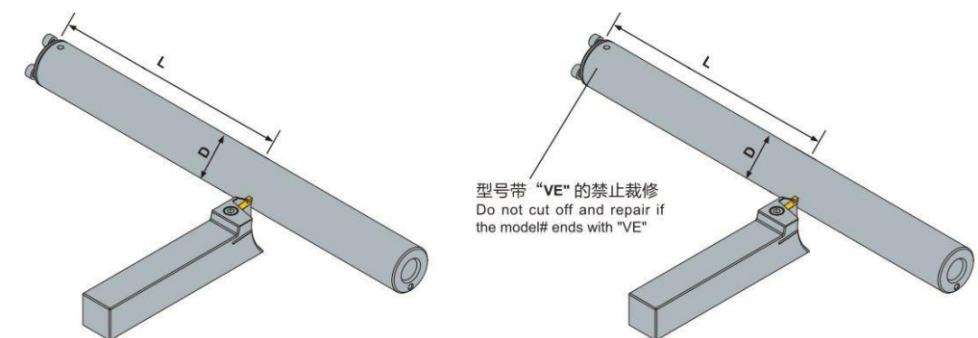
1.Suggested min. clamping length is 4xD2.The boring bar can be cut off, the final length please see below figure:clamping holder, See A and B position on the following visual.

产品类别Type	切断后的最小长度(L)Min.length after cutting off	
D(mm)	4-7xD(mm)	7-10xD(mm)
16	100	
20	125	
25	155	255
32	190	320
40	240	410
50	305	520
60	380	630

3.后缀为 VE 系列的车刀杆禁止切断调整长度,如:WT16 C16X204VE,如下图所示:

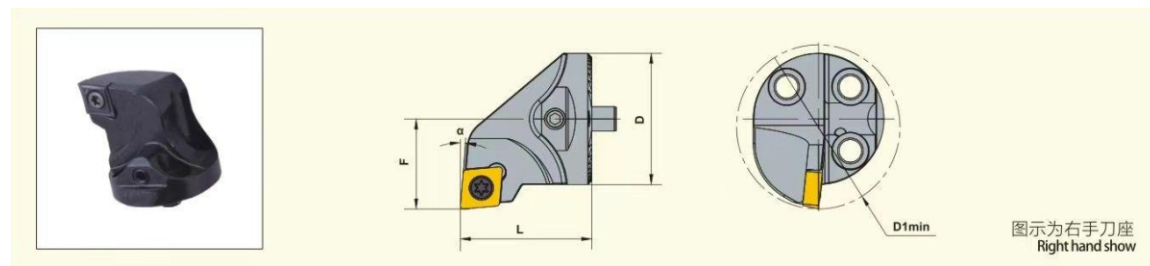
3.Please do not cut off the adjusting length if the shank designation ends in VE.Example:

WT16 C16x204VE, see below figure;



刀杆型号 Designation	悬伸长度/直径 Overhang length/Diameter	内冷压力MAX(Bar) MAX:Internal cooling pressure	使用温度MAX(°C) Operating temperature
WT16 C16X156V	7	30	100
WT16 C16X204VE	10	30	100
WT20 C20X200V	7	30	100
WT20 C20×260VE	10	30	100
WT25 C25X255V	7	40	100
WT25 C25X330V	10	40	100
WT32 C32X320V	7	50	100
WT32 C32X416V	10	50	100
WT40 C40X408V	7	70	100
WT40 C40X528V	10	70	100
WT50 C50X518V	7	70	100
WT50 C50X668V	10	70	100
WT60 C60X628V	7	70	100
WT60 C60×808V	10	70	100
WH80 C80X880V	7	70	100
WH80 C80X1200V	10	70	100

阻尼减振车刀刀头 Cartridge for Damping Tuning Tool Holder 正型95°正镗Positive Type 95° Boring



规格型号	D	D1min	F	L	a	Kg	适配刀片
WT16 SCLCR-06	16	20	11	20	5°	0.02	CC..0602..
WT20 SCLCR-09	20	25	13	20	5°	0.03	CC..09T3..
WT25 SCLCR-09	25	32	17	20	5°	0.04	CC..09T3..
WT32 SCLCR-09	32	40	22	32	5°	0.1	CC..09T3..
WT40 SCLCR-12T	40	50	27	38	5°	0.2	CC..1204..
WT16 SCLCL-06	16	20	11	20	5°	0.02	CC..0602..
WT20 SCLCL-09	20	25	13	20	5°	0.03	CC..09T3..
WT25 SCLCL-09	25	32	17	20	5°	0.04	CC..09T3..
WT32 SCLCL-09	32	40	22	32	5°	0.1	CC..09T3..
WT40 SCLCL-12T	40	50	27	38	5°	0.2	CC..1204..

● 备件Spare Parts

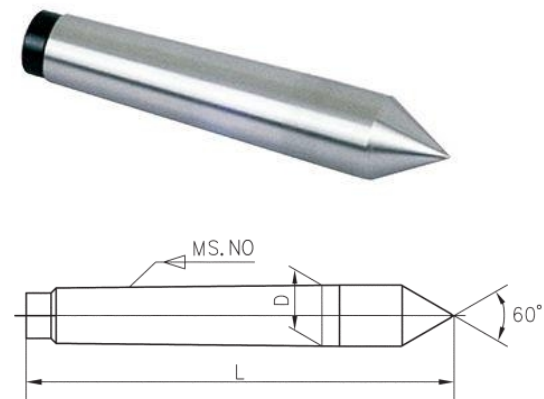
规格型号	刀片锁紧螺钉 Clamping screw for insert	锁紧扳手 Allen key for clamping	刀垫 shim	刀垫螺套 Sleeve for shim	刀垫扳手 Allen key for shim	定位销 Locating pin
WT16...-06	SR21 M2.5X5.3	KEY02 T7		-		FT39D4-3x7
WT20 ...-09	SR21 M4X9.5	KEY02 T15				FT39D6-5x8
WT25...-09	SR21 M4X9.5	KEY02 T15	-	-		FT39D6-5x9
WT32 ...-09	SR21 M4X9.5	KEY02 T15				FT39D6-5x11
WT40...-12T	SR21 M5X12.8	KEY02 T20	ST01 CC12X2.8	SRT M7-M5X13	KEY01 M3	FT39D6-5x11

附件系列 ATTACHMENT SERIES



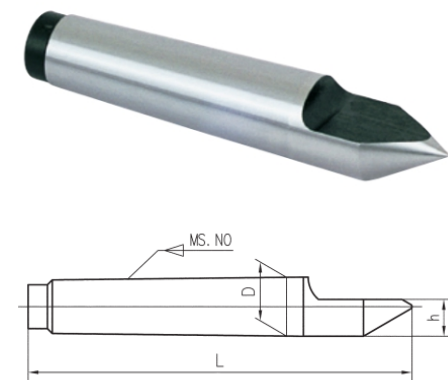
固定顶尖 DEAD CENTER

Model	MS.NO	D	L	KG	精度A(mm)
DG1	MS1	12.065	80	0.057	0.010
DG2	MS2	17.78	100	0.15	0.010
DG3	MS3	23.825	125	0.334	0.010
DG4	MS4	31.267	160	0.746	0.010
DG5	MS5	44.399	200	1.862	0.010
DG6	MS6	63.348	270	4.925	0.010
DG7	MS7	83.061	360	8.62	0.010



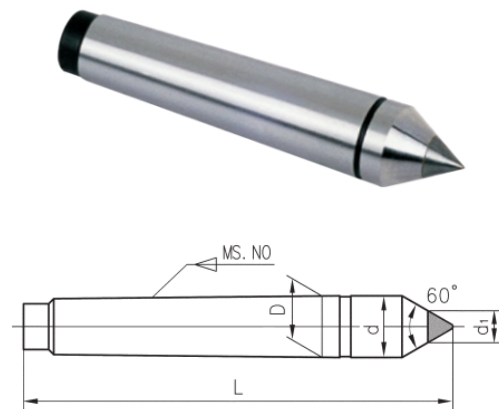
半缺顶尖 HALF-NOTCHED CENTER

Model	MS.NO	D	h	L	KG	精度A(mm)
DH1	MS1	12.065	7.6	80	0.057	0.010
DH2	MS2	17.78	11	100	0.15	0.010
DH3	MS3	23.825	15.05	125	0.334	0.010
DH4	MS4	31.267	20.8	160	0.746	0.010
DH5	MS5	44.399	29.35	200	1.862	0.010
DH6	MS6	63.348	41.9	270	4.925	0.010
DH7	MS7	83.061	53.78	360	8.62	0.010



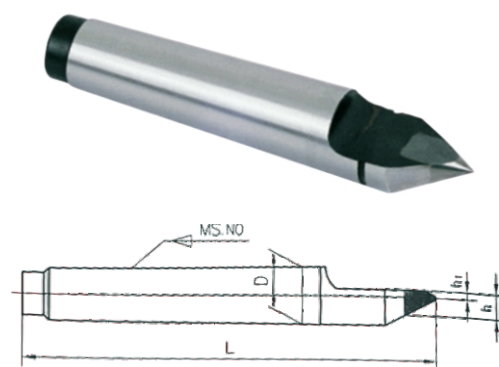
硬质合金顶尖 CARBIDE CENTER

Model	MS.NO	D	L	d	d1	KG	精度A(mm)
DE1	MS1	12.065	80	12.2	8	0.057	0.010
DE2	MS2	17.78	100	18	8	0.151	0.010
DE3	MS3	23.825	125	24.1	12	0.335	0.010
DE4	MS4	31.267	160	31.6	15	0.746	0.010
DE5	MS5	44.399	200	44.7	18	1.862	0.010
DE6	MS6	63.348	270	63.8	24	5.230	0.010
DE7	MS7	83.061	360	83.555	24	9.190	0.010

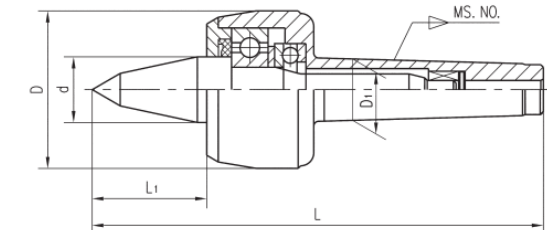


硬质合金半缺顶尖 CARBIDE HALF-NOTCHED CENTER

Model	MS.NO	h1	h	D	L	KG	精度A(mm)
DHE1	MS1	1.5	5.5	12.065	80	0.06	0.010
DHE2	MS2	2	6	17.78	100	0.151	0.010
DHE3	MS3	3	9	23.825	125	0.34	0.010
DHE4	MS4	5	12.5	31.267	160	0.71	0.010
DHE5	MS5	7	16	44.399	200	1.78	0.010
DHE6	MS6	10	22	63.348	270	5.00	0.010
DHE7	MS7	12	24	83.061	360	8.30	0.010

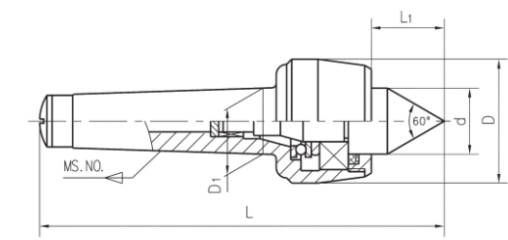
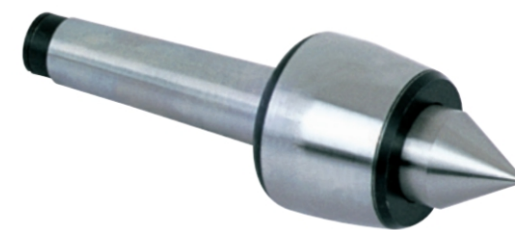


M11型精密回转顶尖 PRECISION LIVE CENTER



Model	MS.NO	L	D	L1	d	D1	Max Load	Max Speed	精度A(mm)
M11/101	MS1	124	36	27	15	12.065	80	7000	0.01
M11/102	MS2	139	45	34	20	17.780	140	7000	0.05
M11/106	MS3	176.5	60	47	25	23.825	400	5000	0.005
M11/108	MS4	217	70	53	32	31.267	500	3800	0.005
M11/110	MS5	273	90	65	40	44.399	1200	3000	0.005
M11/114	MS6	354.5	105	78	50	63.348	2500	2600	0.01

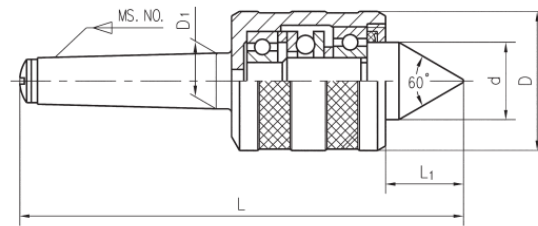
精密轻型回转顶尖 PRECISION LIGHT-DUTY LIVE CENTER



Model	MS.NO	L	D	L1	d	D1	Max Load	Max Speed	精度A(mm)
DM311	MS1	115	34	20.3	18	12.065	320	5000	0.005
Dm312	MS2	129.6	45	28.6	25	17.780	400	5000	0.006
Dm313	MS3	161.7	52	32.5	28	23.825	800	4500	0.006
Dm314	MS4	191.7	60	36.5	32	31.267	1250	3500	0.006
Dm315	MS5	244.5	80	50.8	45	44.399	1500	3000	0.006
Dm316	MS6	350.5	130	74.8	75	63.348	1800	2500	0.006
Dm317	MS5	423.5	130	74.8	75	83.061	2200	2000	0.006

中型回转顶尖

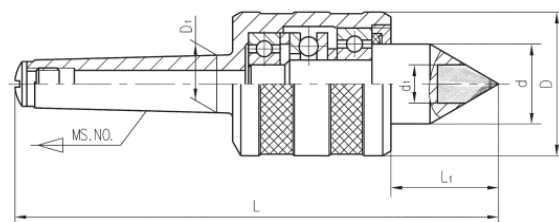
MEDIUM-DUTY LIVE CENTER



Model	MS.NO	L	D	L1	D1	d	Max Load	Max Speed	KG	精度A(mm)
D411	MS1	115	20	34	12.065	18	900	5000	0.29	0.01
D412	MS2	145	26	45	17.780	25	1500	5000	0.70	0.01
D413	MS3	170	30	52	23.825	28	2000	4200	0.93	0.01
D414	MS4	205.7	34.7	60	31.267	32	3200	3200	1.70	0.01
D415	MS5	254	45	77	44.399	45	6300	2400	3.39	0.015
D416	MS6	362	68.5	125	63.348	75	10000	1600	12.00	0.015
D411L	MS1	125	30	34	12.065	18	900	5000	0.31	0.01
D412L	MS2	155	36	45	17.780	25	1500	5000	0.74	0.01
D413L	MS3	183	43	52	23.825	28	2000	4200	0.88	0.01
D414L	MS4	222	51	60	31.267	32	3200	3200	1.80	0.01
D415L	MS5	272	63	77	44.399	45	6300	2400	3.62	0.015
D416L	MS6	382	88.5	125	63.348	75	10000	1600	12.69	0.015

硬质合金中型回转顶尖

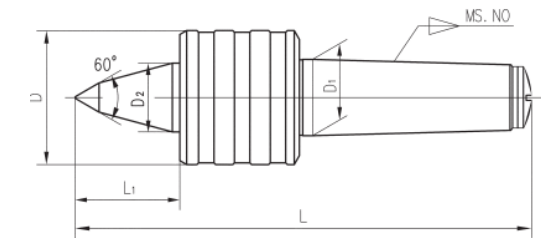
CARBIDE MEDIUM-DUTY LIVE CENTER



Model	MS.NO	L	L1	d	D	D1	d1	Max Load	Max Speed	精度A(mm)
D412A	MS2	145	26	25	45	17.780	45	320	5000	0.005
D413A	MS3	170	30	28	52	23.825	52	400	5000	0.006
D414A	MS4	205.7	34.7	32	60	31.267	60	800	4500	0.006
D415A	MS5	254	45	45	77	44.399	77	1250	3500	0.006
D416A	MS6	362	68.5	75	125	63.348	125	1500	3000	0.006

中型回转顶尖(加长型)

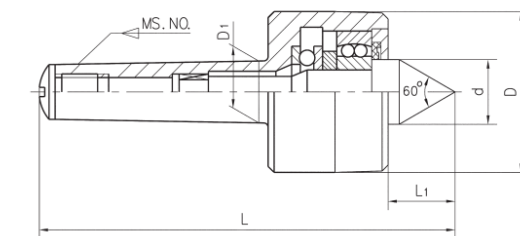
MEDIUM-DUTY LIVE CENTER(EXTENDED)



Model	MS.NO	L1	D	D1	D2	L	KG
D412B	MS2	28.5	40	17.780	18	141	0.84
D413B	MS3	36.5	45	23.825	22	168	0.91
D414B	MS4	36.5	45	31.267	22	190	1.62
D415B	MS5	62	78	44.399	40	267.5	3.43
D416B	MS6	75	102	64.348	50	346.5	11

精密重型回转顶尖

PRECISION HEAVY LIVE CENTER

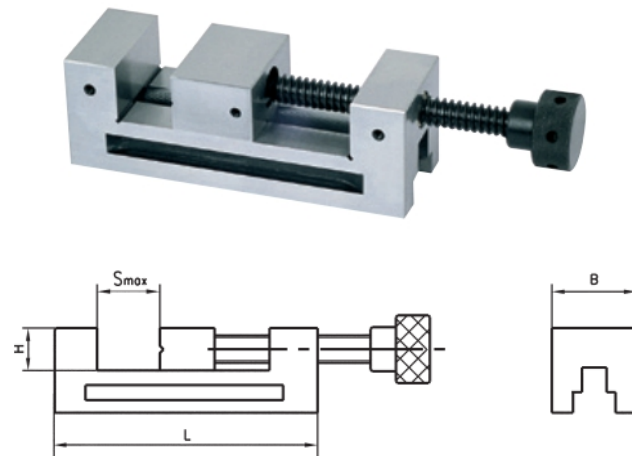


Model	MS.NO	L	D	L1	d	D1	Max Load	Max Speed	KG	精度A(mm)
Dm511	MS1	109.6	38	18.5	16	12.065	1400	3600	0.29	0.008
Dm512	MS2	128.5	48	24	22	17.780	3500	3400	0.39	0.01
Dm513	MS3	156	58	28.5	25	23.825	5500	3200	1.09	0.01
Dm514	MS4	192.5	68	31.5	28	31.267	8000	3000	1.69	0.01
Dm515	MS5	245	90	45	41	44.399	10000	2500	4.00	0.012
Dm516	MS6	342.5	130	64	63	63.348	15000	1500	11.61	0.015

QGG系列精密工具平口钳

PRECISION TOOL VISES

Model	B	H	Smax	L	KG
QGG50	50	25	65	155	3.0
QGG60	60	25	55	110	2.4
QGG63	63	32	85	190	3.8
QGG73	73	35	100	210	5.0
QGG80	80	40	100	220	6.5
QGG88	88	40	125	250	11.0
QGG100	100	45	125	260	13.0
QGG125	125	50	160	300	19.5
QGG125A	125	50	210	350	23.0
QGG150	150	50	175	315	23.8



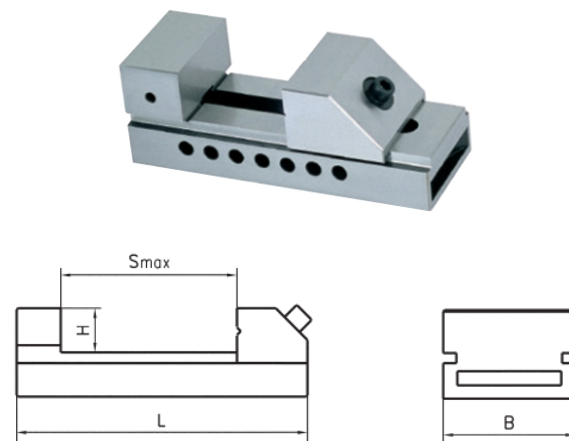
- 1.采用优质合金结构钢制造,工作面硬度 HRC58~62
- 2.平行度 0.005mm/100mm,垂直度 0.005mm
- 3.夹紧快, 操作灵活
- 4.用于精密测量和检查,精密磨削及电火花
- 5.在工作时无论横立、竖立、平放皆可保持高的精确度

- 1.Made of high-quality alloy steel.The hardness of working surface reaches HRC58~62
- 2.Parallelism 0.005mm/100mm squareness 0.005mm
- 3.Quickly to clamp and easy to operate
- 4.Used for precision measurement and in spection precisiongrinding,EDM and wire-cutting machine
- 5.Guarantee high accuracy in any position

QKG系列精密平口钳

PRECISION TOOL VISES

Model	B	H	Smax	L	KG
QKG25	26	9.15	22	65.4	0.5
QKG36	36	20	40	100	1.2
QKG38	38	20	44	105	1.3
QKG50	50	25	65	140	2.0
QKG63	63	32	85	175	3.0
QKG73	73	35	100	190	4.1
QKG80	80	40	100	200	5.5
QKG88	88	40	125	235	7.3
QKG100	100	45	125	245	10.0
QKG125	125	50	160	285	18.0
QKG150	150	50	200	330	21.5
QKG150A	150	50	250	380	23.0
QKG150B	150	50	300	430	24.0



- 1.采用优质合金结构钢制造,工作面硬度 HRC58~62
- 2.平行度 0.005mm/100mm,垂直度 0.005mm
- 3.夹紧快, 操作灵活
- 4.用于精密测量和检查,精密磨削及电火花5.在工作时无论横立、竖立、平放皆可保持高的精确度

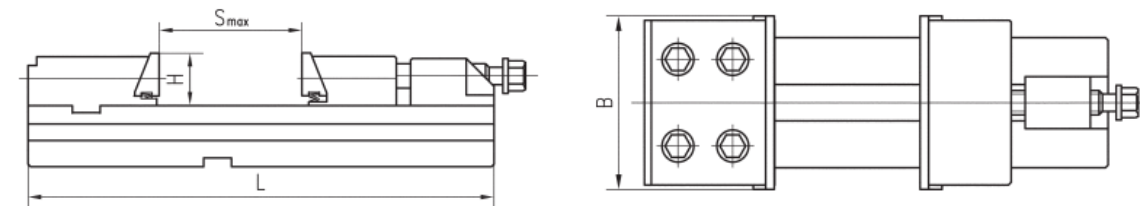
- 1.Made of high-quality alloy steel.The hardness of working surface reaches HRC58~62
- 2.Parallelism 0.005mm/100mm squareness 0.005mm
- 3.Quickly to clamp and easy to operate
- 4.Used for precision measurement and in spection precisiongrinding,EDM and wire-cutting machine
- 5.Guarantee high accuracy in any position

精密组合平口钳

PRECISION MODULAR VISES

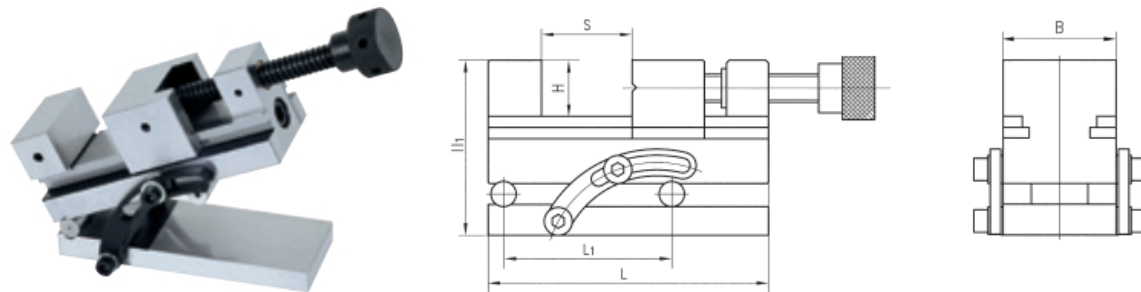


Model	B	H	Smax	L	最大加紧力KG
GT100-1	100	30	100	270	3000
GT125-1	125	40	150	345	3000
GT150A-1	150	50	200	420	5000
GT150B-1	150	50	300	520	5000
GT150C-1	150	50	400	620	5000
GT175A-1	175	60	200	455	6000
GT175B-1	175	60	300	555	6000
GT175C-1	175	60	400	655	6000
GT175D-1	175	60	500	755	6000
GT175E-1	175	60	600	855	6000
GT200A-1	200	65	200	495	10000
GT200B-1	200	65	300	595	10000
GT200C-1	200	65	400	695	10000
GT200D-1	200	65	500	795	10000
GT200E-1	200	65	600	895	10000
GT300A-1	300	80	200	535	12000
GT300B-1	300	80	300	635	12000
GT300C-1	300	80	400	735	12000
GT300D-1	300	80	500	835	12000
GT300E-1	300	80	600	935	12000
GT300F-1	300	80	700	1035	12000
GT300G-1	300	80	800	1135	12000



ZXQGG 系列精密正弦工具平口钳

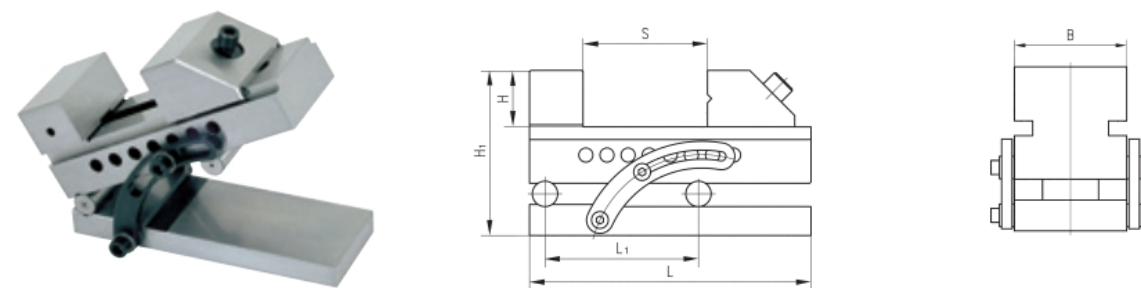
PRECISION SINE TOOL VISE



Model	B	H	H1	S max	L	L1(mm)	L1(in)	调整角度范围
ZXQGG50	50	25	86.6	60	140	100	4	0-45°
ZXQGG63	63	32	94.6	85	175	100	5	0-45°
ZXQGG73	73	35	111	90	190	100	5	0-45°
ZXQGG80	80	40	121	95	200	100	5	0-45°
ZXQGG88	88	40	125	120	235	100	5	0-45°
ZXQGG100	100	45	139.2	125	245	100	5	0-45°
ZXQGG125	125	50	154.2	160	285	200	5	0-45°
ZXQGG150	150	50	160.9	190	330	200	10	0-45°

ZXQKG 系列精密正弦工具平口钳

PRECISION SINE TOOL VISE



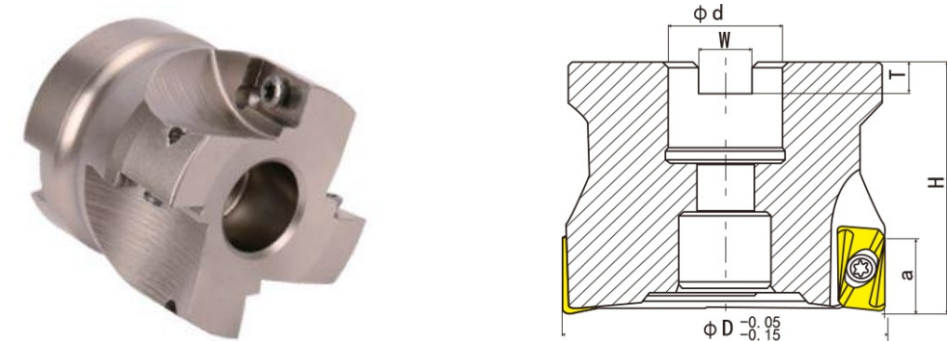
Model	B	H	H1	S max	L	L1(mm)	L1(in)	调整角度范围
ZXQKG50	50	25	79.36	65	140	100	4	0-45°
ZXQKG63	63	32	92.36	85	175	100	5	0-45°
ZXQKG73	73	35	104	100	190	100	5	0-45°
ZXQKG80	80	40	117	100	200	100	5	0-45°
ZXQKG88	88	40	122	125	235	100	5	0-45°
ZXQKG100	100	45	134.08	125	245	100	5	0-45°
ZXQKG125	125	50	144.08	160	285	200	5	0-45°
ZXQKG150	150	50	150.9	200	330	200	10	0-45°

刀盘系列

Cutter head series

BAP 直角台肩面铣刀盘

BAP Right angle shoulder milling cutter head



Model	D	d	H	W	T	a
BAP300R-40-16-5T	40	16	40	8.4	5.6	9
BAP300R-50-22-6T	50	22	50	10.4	6.3	9
BAP400R-50-22-4T	50	22	50	10.4	6.3	14
BAP400R-63-22-4T	63	22	50	10.4	6.3	14
BAP400R-80-27-6T	80	27	50	12.4	7	14
BAP400R-100-32-6T	100	32	50	14.4	8	14
BAP400R-125-40-7T	125	40	63	16.4	9	14
BAP400R-160-40-8T	160	40	63	16.4	9	14
BAP400R-200-60-9T	200	60	63	25.7	14	14
BAP400R-250-60-14T	250	60	63	25.7	14	14
BAP400R-80-27-6T	63	25.4	50	10	6	14
BAP400R-100-32-6T	80	25.4	50	10	6	14
BAP400R-125-40-7T	100	31.75	50	13	8	14
BAP400R-160-40-8T	125	38.1	63	16.2	10	14
BAP400R-200-60-9T	160	50.8	63	19.3	11	14

配件Accessories

Model	刀片Insert	螺钉Clamp screw	扳手wrench
BAP300R	APMT 1125 PEDR	M2.5x6	T8
BAP400R	APMT 1604 PDER	M4x10	T15

适用刀片Applicable blades

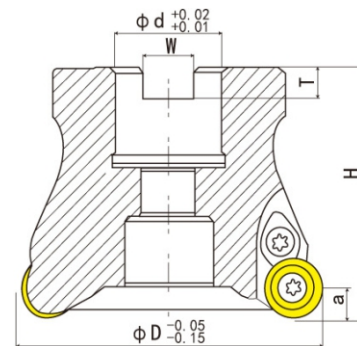
型号 Model	F7030	F620	VP15TF	UP20M	Nx2525	Nx4545	UT120T	Ht110	P201	H101	刀片形状 Insert shape	L1	L2	S1	F1	Re	
APMT1604PDER-H1	●		●				●					16.5	9.525	4.76	1.7	0.4	三菱 MITSUBSHIL
APMT1604PDER-H2	●	●	●	●	●	●	●			16.5		9.525	4.76	1.7	0.8		
APMT1604PDER-M2	●	●	●							16.5		9.525	4.76	1.7	0.8	ROSS	
APMT1604DDR										16.5		9.525	4.76	1.7	0.8		
APKT160402PDSR										16.4		9.525	4.76		0.2		

刀盘系列

Cutter head series

EMR 圆鼻面铣刀盘

EMR Round dowel milling cutter head



Model	D	d	H	W	T	a
EMR-5R-50-22-4T	50	22	50	10.4	6.3	5
EMR-5R-63-22-4T	63	22	50	10.4	6.3	5
EMR-5R-80-27-6T	80	27	50	12.4	7	5
EMR-5R-100-32-6T	100	32	50	14.4	7	5
EMR-5R-125-40-7T	125	40	63	16.4	9	5
EMR-5R-160-40-8T	160	40	63	16.4	9	5
EMR-5R-63-25.4-4T	63	25.4	50	10	6	5
EMR-5R-80-25.4-6T	80	25.4	50	10	6	5
EMR-5R-100-31.75-6T	100	31.75	50	13	8	5

配件Accessories

Model	刀片Insert	压板 Clamp piece	螺钉 Clamp screw	扳手 wrench
EMR-5R	RPMW 1003 MO RPMT 10T3 MOE	Y-5R	M4*10/M3.5*10	T15

适用刀片Applicable blades

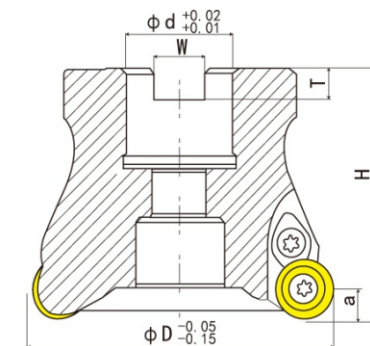
型号 Model	UP20M	Nx2525	UT120T	F7030	VP15TF	Sh8020	Sh8205	Jc3535	P201	刀片形状 Insert shape	D1	S1	排屑槽	
RPMW1003MO	●	●	●								10	3.18	无	三菱MITSUBSHIL
RPMT10T3MOE				●	●						10	3.97	有	
RPMW1003MOEN						●	●				10	3.18	无	日立HITACHI ROSS
RPMW1003MO								●	●		10	3.18	无	

刀盘系列

Cutter head series

EMRW 圆鼻面铣刀盘

EMRW Round dowel milling cutter head



Model	D	d	H	W	T	a
EMRW-6R-50-22-4T	50	22	50	10.4	6.3	6
EMRW-6R-63-22-4T	63	22	50	10.4	6.3	6
EMRW-6R-80-27-6T	80	27	50	12.4	7	6
EMRW-6R-100-32-6T	100	32	50	14.4	7	6
EMRW-6R-125-40-7T	125	40	63	16.4	9	6
EMRW-6R-160-40-8T	160	40	63	16.4	9	6
EMRW-6R-200-60-9T	200	60	63	25.7	14	6
EMRW-6R-63-25.4-4T	63	25.4	50	10	6	6
EMRW-6R-80-25.4-6T	80	25.4	50	10	6	6
EMRW-6R-100-31.75-6T	100	31.75	50	13	8	6

配件Accessories

Model	刀片Insert	压板 Clamp piece	螺钉 Clamp screw	扳手 wrench
EMRW-6R	RPMW T 1204 MO	Y-6R	M4*10	T15

适用刀片Applicable blades

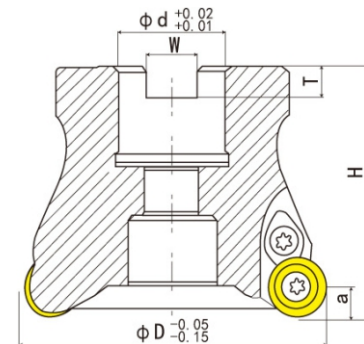
型号 Model	F7030	F620	VP15TF	NX4545	UT120T	TN100M	PR510	PR660	PR730	KW10	P201	刀片形状 Insert shape	D1	S1	排屑槽	
RPMT1204MOE-JS	●	●	●										12	4.76	有	三菱MITSUBSHIL
RPMT1204MO							●	●	●				12	4.76	有	京瓷KYOCERA
RPMT1204MO										●			12	4.76	有	ROSS
RPMT1204MOE	●	●		●	●								12	4.76	无	三菱MITSUBSHIL
RPMT1204MOT			●													

刀盘系列

Cutter head series

R200 圆鼻面铣刀盘

R200 Round dowel milling cutter head



Model	D	d	H	W	T	a
R200-5R-50-22-4T	50	22	50	10.4	6.3	5
R200-5R-63-22-4T	63	22	50	10.4	6.3	5
R200-5R-80-27-6T	80	27	50	12.4	7	5
R200-5R-100-32-6T	100	32	50	14.4	8	5
R200-6R-50-22-4T	50	22	50	10.4	6.3	6
R200-6R-63-22-4T	63	22	50	10.4	6.3	6
R200-6R-80-27-6T	80	27	50	12.4	7	6
R200-6R-100-32-6T	100	32	50	14.4	8	6
R200-8R-63-22-4T	63	22	50	10.4	6.3	8
R200-8R-80-27-5T	80	27	50	12.4	7	8
R200-8R-100-32-6T	100	32	50	14.4	8	8
R200-8R-125-40-6T	125	40	63	16.4	9	8
R200-8R-160-40-8T	160	40	63	16.4	9	8
R200-8R-200-60-9T	200	60	63	25.7	14	8
R200-10R-100-32-5T	100	32	63	14.4	8	10
R200-10R-125-40-6T	125	40	63	16.4	9	10

配件Accessories

Model	刀片 Insert	压板 Clamp piece	螺钉 Clamp screw	扳手 wrench
R200-5R	RC[T10T3 MO	Y-5R	M3.5*8.5/M3.5*10	T15
R200-6R	RC[T1204 MO	Y-6R	M4*10	T15
R200-8R	RC[T1606 MO	Y-8R	M5*12	T20
R200-10R	RC[T2006 MO	Y-8R	M5*12/M6*18	T20/T30

适用刀片Applicable blades

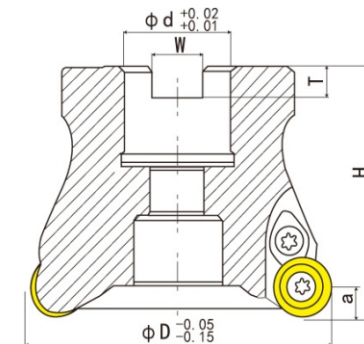
型号 Model	3020	3040	4020	4030	4040	P201	刀片形状 Insert shape	D1	d1	S	
RCKT10T3MO	●	●	●	●	●	●		10	4.0	3.97	ROSS SANDVIK (山特维克)
RCKT1204MO	●	●	●	●	●	●		10	4.0	4.76	
RCKT1606MO	●	●	●	●	●	●		10	5.5	6.35	
RCKT2006MO	●	●	●	●	●	●		10	5.5	6.35	

刀盘系列

Cutter head series

TRS 圆鼻面铣刀盘

TRS Round dowel milling cutter head



Model	D	d	H	W	T	a
TRS-5R-50-22-4T	50	22	50	10.4	6.3	5
TRS-5R-63-22-4T	63	22	50	10.4	6.3	5
TRS-5R-80-27-6T	80	27	50	12.4	7	5
TRS-5R-100-32-6T	100	32	50	14.4	8	5
TRS-6R-50-22-4T	50	22	50	10.4	6.3	6
TRS-6R-63-22-4T	63	22	50	10.4	6.3	6
TRS-6R-80-27-6T	80	27	50	12.4	7	6
TRS-6R-100-32-6T	100	32	50	14.4	8	6
TRS-8R-63-22-4T	63	22	50	10.4	6.3	8
TRS-8R-80-27-5T	80	27	50	12.4	7	8
TRS-8R-100-32-6T	100	32	50	14.4	8	8

配件Accessories

Model	刀片 Insert	压板 Clamp piece	螺钉 Clamp screw	扳手 wrench
TRS-5R	RC[T10T3 MO	Y-5R	M4*9/M3.5*10	T15
TRS-6R	RC[T1204 MO	Y-6R	M4*10	T15
TPS-8R	RC[T1604 MO	Y-8R	M5*11.5	T20

适用刀片Applicable blades

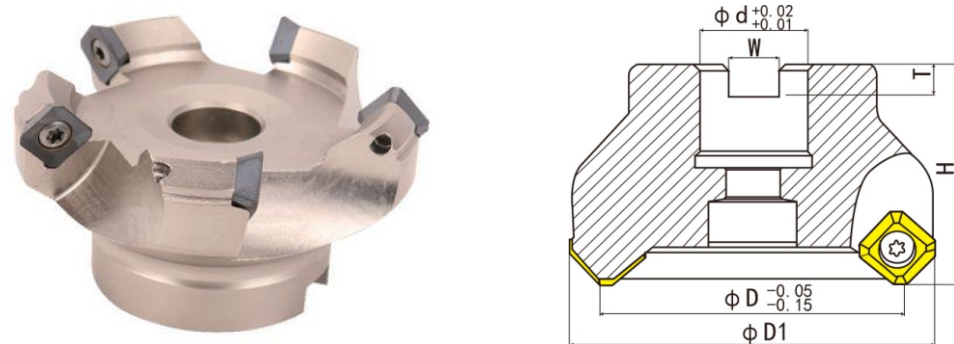
型号 Model	CY100H	CY25	CY25	CY150	CY250	GF30	TB6005	TB6020	TB6045	TB6060	P201	刀片形状 Insert shape	D1	S1	排屑槽	
RDMT10T3MOTN	●	●	●	●	●	●	●	●	●	●	●		10	3.97	有	日立HITACHI ROSS
RDMT10T3MOEN	●	●	●	●	●	●	●	●	●	●	●		10	3.97	有	
RDMT1204MOTN	●	●	●	●	●	●	●	●	●	●	●		12	4.76	有	
RDMT1204MOEN	●	●	●	●	●	●	●	●	●	●	●		12	4.76	有	
RDMT1604MOTN	●	●	●	●	●	●	●	●	●	●	●	16	4.76	有		
RDMT1604MOEN	●	●	●	●	●	●	●	●	●	●	●	16	4.76	有		

刀盘系列

Cutter head series

KM-45°面铣刀盘

KM-45° milling cutter head



Model	D	d	H	W	T	a
KM12-50-22-4T	50	64	22	50	10.4	6.3
KM12-63-22-4T	63	77	22	50	10.4	6.3
KM12-80-27-5T	80	94	27	50	12.4	7
KM12-100-32-5T	100	114	32	50	14.4	8
KM12-125-40-6T	125	139	40	63	16.4	9
KM12-160-40-6T	160	174	40	63	16.4	9
KM12-200-60-8T	200	210	60	63	25.7	14
KM12-250-60-10T	250	260	60	63	25.7	14
KM12-63-25.4-4T	63	77	25.4	50	10	6
KM12-80-25.4-5T	80	94	25.4	50	10	6
KM12-100-31.75-5T	100	114	31.75	50	13	8

配件Accessories

Model	刀片 Insert	螺钉 Clamp screw	扳手wrench
KM12	SEHT 1204	M5*11	T20

适用刀片Applicable blades

型号 Model	WAP25	WAP35	WTP35	WXP45	WPM	WXM35	WAK15	WAK25	WKM	Wk10	P210F	P210	H01	刀片形状 Insert shape	D1	S1	排屑槽	
SEHT1204AFN	●	●	●	●	●	●	●	●	●	●	●	●	●		12.7	4.76	有	WALTER
SEHT1204AFN-K88	●	●	●	●	●	●	●	●	●	●	●	●	●		12.7	4.76	有	(瓦尔特)
SEHW1204AFN	●	●	●	●	●	●	●	●	●	●	●	●	●		12.7	4.76	无	ROSS
SEHT1204AFFN	●	●	●	●	●	●	●	●	●	●	●	●	●		12.7	4.76	有	

刀盘系列

Cutter head series

AJX 快进给面铣刀盘

AJX High feedrate milling cutter head



Model	D	D1	D2	d	H	W	T	a
AJX12-50-22-3T	50	47	38.3	22	50	10.4	6.3	1.5
AJX12-50-22-4T	50	47	38.3	22	50	10.4	6.3	1.5
AJX12-63-22-4T	63	60	51.3	22	50	10.4	6.3	1.5
AJX14-63-22-3T	63	60	51.1	22	50	10.4	6.3	2
AJX14-63-22-4T	63	60	51.1	22	50	10.4	6.3	2
AJX14-80-27-4T	80	76	68.1	22	50	10.4	7	2
AJX14-100-32-5T	100	96	88.1	22	50	10.4	8	2

配件Accessories

Model	刀片 Insert	压板 Clamp pie	螺钉 Clamp screw	扳手wrench
TJX12	JDMW120420ZDSR-FT	AJX-12	M4*10	T15
TJX14	JDMW140520ZDSR-FT	AJX-14	M5*12	T20

适用刀片Applicable blades

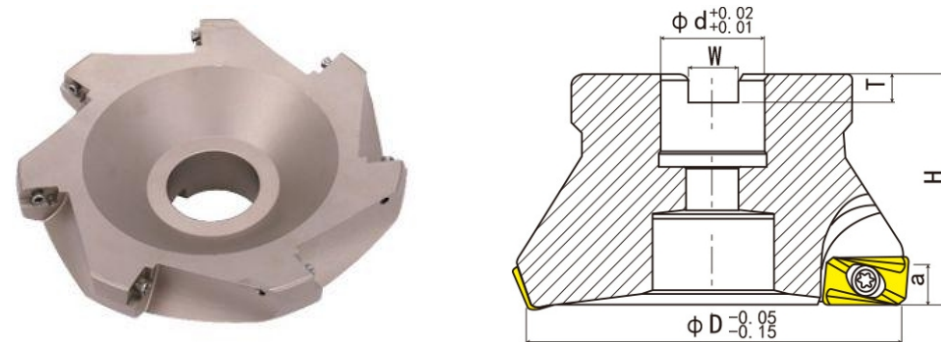
型号 Model	FH7020	VP15TF	VP30RT	刀片形状 Insert shape	B3°	D1	S1	F1	Se	排屑槽	
JDMW 120420ZDSR-FT	●	●	●		15	12	4.76	5	2	无	MITSUBISHI(三菱)
JDMW 140520ZDSR-FT	●	●	●		15	14	5.56	5	2	无	
JDMT 120420ZDSR-ST	●	●	●		15	12	4.76	5	2	有	
JDMT 120420ZDSR-JM	●	●	●		15	12	4.76	5	2	有	
JDMT 140520ZDSR-ST	●	●	●		15	14	5.56	5	2	有	
JDMT 140520ZDSR-JM	●	●	●		15	14	5.56	5	2	有	

刀盘系列

Cutter head series

RAP-75°面铣刀盘

RAP-75° milling cutter head



Model	D	d	H	W	T	a
RAP400R-63-22-4T	63	22	50	10.4	6.3	8
RAP400R-80-27-5T	80	27	50	12.4	7	8
RAP400R-100-32-5T	100	32	50	14.4	8	8
RAP400R-125-40-7T	125	40	63	16.4	9	8
RAP400R-160-40-8T	160	40	63	16.4	9	8
RAP400R-200-60-9T	200	60	63	25.7	14	8
RAP400R-250-60-10T	250	60	63	25.7	14	8

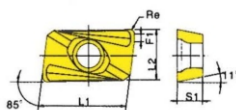
配件Accessories

Model	刀片 Insert	螺钉 Clampscrew	扳手wrench
RAP400R	APMT 1604 PDER	M4x10	T15

适用刀片Applicable blades

型号 Model	F7030	F620	VP15TF	UP20M	NX2525	NX4545	UT120T	HT110	NCM325	PC3535	PC3545	PC2420	PC6510	PD2000	H01	尺寸 (mm) Size					
																L1	L2	S1	F1	Re	
APMT1604PDER-H1	●		●				●									16.5	9.525	4.76	1.7	0.4	MITSUBISHI (三菱)
APMT1604PDER-H2	●	●	●	●	●	●	●									16.5	9.525	4.76	1.7	0.8	
APMT1604PDER-H4	●						●									16.5	9.525	4.76	1.7	1.6	
APMT1604PDER-H6	●						●									16.5	9.525	4.76	1.7	2.4	
APMT1604PDER-H8	●						●									16.5	9.525	4.76	1.7	3.2	
APMT1604PDER-M2	●	●	●			●										16.5	9.525	4.76	1.7	0.8	KORLOY 克洛伊
APGT1604PFDR-G2							●									16.5	9.525	4.76	1.7	0.8	
APKT1604PDSR								●	●	●	●	●				16.4	9.525	4.76	/	0.8	
APKT1604PDR-MA														●	●	16.4	9.525	4.76	/	0.8	

刀片形状 Insert shape

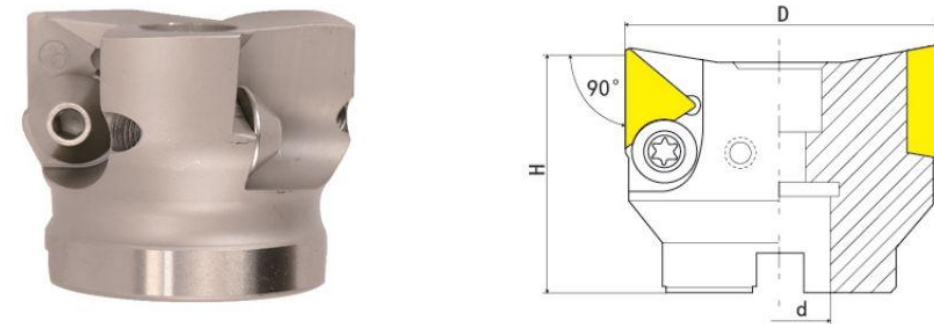


刀盘系列

Cutter head series

TP 直角台肩面铣刀盘

TP Right angle shoulder milling cutter head



Model	D	d	H	W	T	a
TP11-40-16-4T	40	16	45	8.4	5.6	18
TP11-50-22-4T	50	22	50	10.4	6.3	18
TP11-50-22-4T	50	22	50	10.4	6.3	18
TP11-63-22-3T	63	22	50	10.4	6.3	18
TP11-80-27-4T	80	27	50	12.4	7	18
TP11-100-32-5T	100	32	50	14.4	8	18
TP11-125-40-6T	125	40	60	16.4	9	18
TP11-160-40-7T	160	40	63	16.4	9	18
TP11-200-60-8T	200	60	63	25.7	14	18
TP11-63-25.4-3T	63	25.4	50	10	6	18
TP11-80-25.4-3T	80	25.4	50	10	6	18
TP11-100-21.75-5T	100	31.75	50	13	8	18
TP11-125-38.1-6T	125	38.1	60	16.2	10	18
TP11-160-38.1-7T	160	38.1	63	16.2	10	18
TP11-200-47.625-8T	200	47.625	63	25.4	14.3	18

配件Accessories

Model	刀片 Insert	压板 Clamp piece	螺钉 Clampscrew	扳手wrench
TP11	TP N1103	TP-11	3/16伞形	L3
TP16	TP N1603	TP-16	1/4伞形	L4
TP22	TP N2204	TP-22	5/16伞形	L5

适用刀片Applicable blades

型号 Model	UT120	NX2525	JC5015	P201	刀片形状 Insert shape	d	S1	排屑槽	
TPKN1603PDR	●	●	●			9.525	3.18	无(without)	MITSUBISHI(三菱)
TPMN1603PDR	●	●	●			9.525	3.18	无(without)	
TPKN2204PDR	●	●	●			12.7	4.76	无(without)	
TPMN220408				●		12.7	4.76	无(without)	ROSS
TPUN110308	●					6.35	3.18	无(without)	
TPMN110308		●		●		6.35	3.18	无(without)	

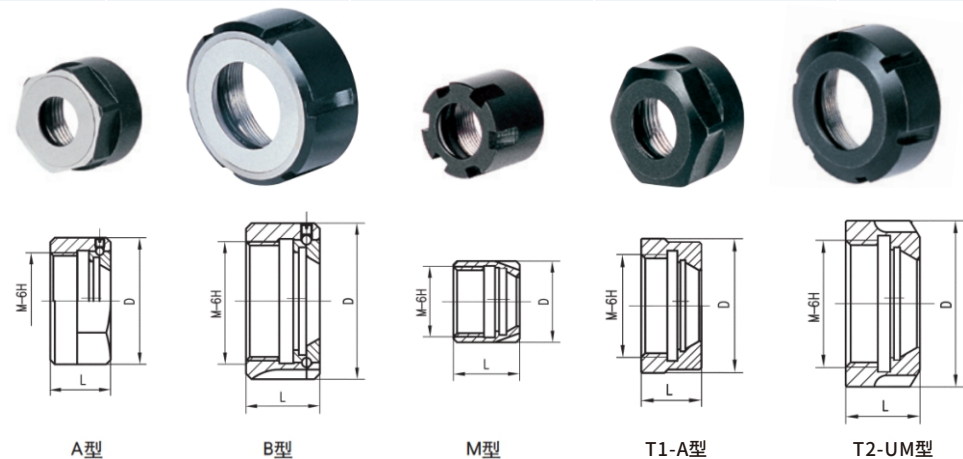
螺母系列

nut series

ER压帽

ER Nut

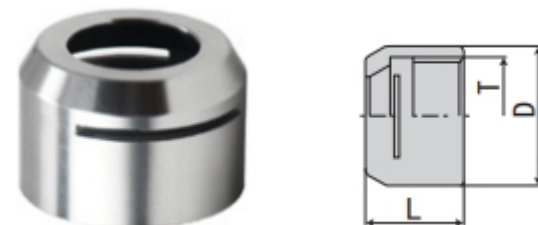
Model	D	L	M	KG
ER11-A	19	11.3	M14x0.75	0.005
ER16-A	28	17.5	M22x1.5	0.01
ER20-A	34	19	M25x1.5	0.05
ER25-B	42	20	M32x1.5	0.14
ER32-B	50	22.5	M40x1.5	0.2
ER40-B	63	25.5	M50x1.5	0.3
ER50-B	78	35.5	M64x2	0.5
ER8-M	12	12	M10x0.75	0.005
ER11-M	16	12	M13x0.75	0.01
ER16-M	22	18	M19x1	0.05
ER20-M	28	19	M24x1	0.05
ER25-M	35	20	M30x1	0.08
ER11-T1-A	19	11.3	M14x0.75	0.005
ER16-T1-A	28	17.5	M22x1.5	0.01
ER20-T1-A	34	19	M25x1.5	0.05
ER25-T2-UM	42	20	M32x1.5	0.14
ER32-T2-UM	50	22.5	M40x1.5	0.2
ER40-T2-UM	63	25.5	M50x1.5	0.3
ER50-T2-UM	78	35.5	M64x2	0.5



MS压帽

MS Nut

Model	D	L	M
ER11MS	16	12	M13x0.75
ER16MS	22	17	M19x1.0
ER20MS	28	19	M24x1.0
ER25MS	35	20	M30x1.0

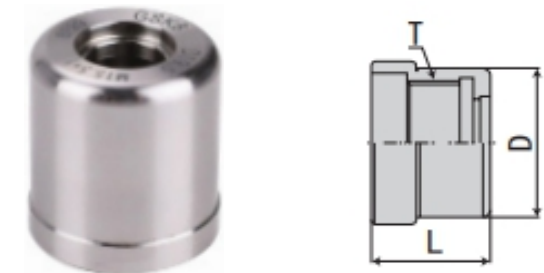


螺母系列

nut series

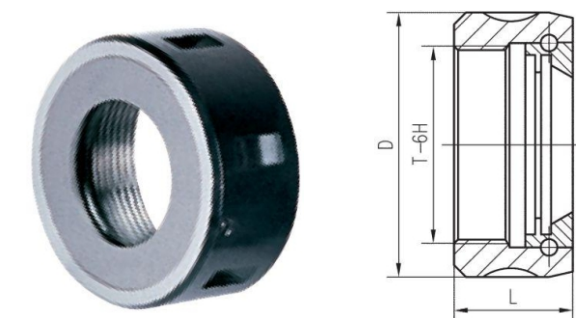
GSK压帽GSK Nut

Model	D	L	M
GSK06	19	21	M15.5x1
GSK10	27.5	24	M21.5x1
GSK13	35	27	M28x1.5
GSK16	40	31	M32x1.5
GSK20	48	35	M40x1.5
GSK25	55	37	M45x1.5



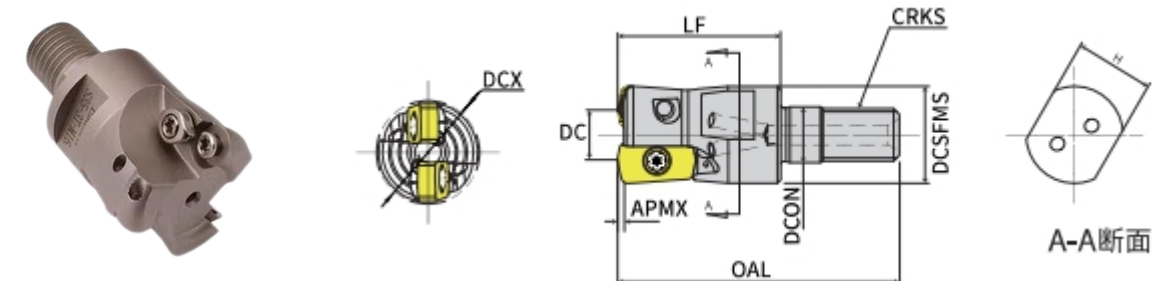
OZ压帽OZ Nut

Model	D	L	M
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



锁牙头

Boring head with lock tooth



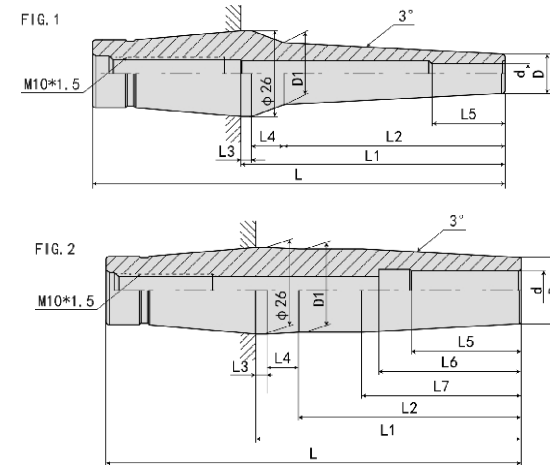
规格/型号 Model	刃数 CICT	切削直径 DC	最大切削直径DCX	接触面直径 DCON	安装孔径 DCON	标准全长 LF	锁紧螺纹 CRKS	扳手扁位H	前角 A.R.	冷却孔
MFH16-M08-03-2T	2	8	16	14.7	8.5	25	M8*1.25P	12	-10°	有
MFH17-M08-03-2T	2	9	17	14.7	8.5	25	M8*1.25P	12	-10°	有
MFH18-M08-03-2T	2	10	18	14.7	8.5	25	M8*1.25P	12	-10°	有
MFH20-M10-03-3T	3	12	20	18.7	10.5	30	M10*1.5P	15	-10°	有
MFH20-M10-03-4T	4	12	20	18.7	10.5	30	M10*1.5P	15	-10°	有
MFH22-M10-03-3T	3	14	22	18.7	10.5	30	M10*1.5P	15	-10°	有
MFH22-M10-03-4T	4	14	22	18.7	10.5	30	M10*1.5P	15	-10°	有
MFH25-M12-03-4T	4	17	25	23	12.5	35	M12*1.75P	19	-10°	有
MFH25-M12-03-5T	5	17	25	23	12.5	35	M12*1.75P	19	-10°	有
MFH28-M12-03-4T	4	20	28	23	12.5	35	M12*1.75P	19	-10°	有
MFH28-M12-03-5T	5	20	28	23	12.5	35	M12*1.75P	19	-10°	有
MFH32-M16-03-5T	5	24	32	30	17	40	M16*2.0P	24	-10°	有
MFH32-M16-03-6T	6	24	32	30	17	40	M16*2.0P	24	-10°	有

延长杆系列

Extension rod series

CR热缩延长杆 (标准款)

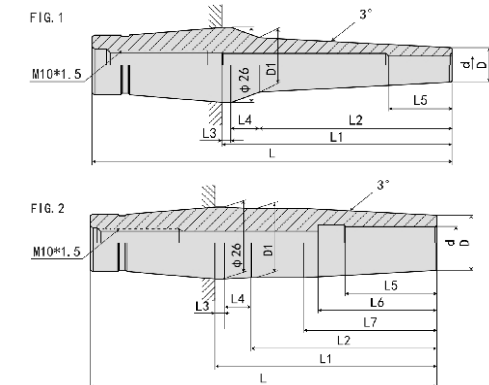
CR HEAT SHRINKABLE EXTENSION ROD (STANDARD)



型号 Model	L	L1	L2	L3	L4	L5	L6	L7	D	D1	d	t	FIG	kg
CR12-3-35	80	35	22	3.5	9.5	12			7.5	9.9	3	2.25	1	0.2
CR12-3-55	100	55	42	3.5	9.5	12			7.5	12	3	2.25	1	0.2
CR12-3-80	125	80	67	3.5	9.5	12			7.5	14.6	3	2.25	1	0.2
CR12-4-35	80	35	22	3.5	9.5	16			10	12.4	4	3	1	0.2
CR12-4-55	100	55	42	3.5	9.5	16			10	14.5	4	3	1	0.2
CR12-4-80	125	80	67	3.5	9.5	16			10	17.1	4	3	1	0.2
CR12-4-110	155	110	97	3.5	9.5	16			10	20.2	4	3	1	0.25
CR12-5-35	80	35	22	3.5	9.5	18			11	13.3	5	3	1	0.2
CR12-5-55	100	55	42	3.5	9.5	18			11	15.4	5	3	1	0.2
CR12-5-80	125	80	67	3.5	9.5	18			11	18.1	5	3	1	0.2
CR12-5-110	155	110	97	3.5	9.5	18			11	21.2	5	3	1	0.25
CR12-6-35	80	35	22	3.5	9.5	23			12	14.4	6	3	1	0.2
CR12-6-55	100	55	42	3.5	9.5	23			12	16.5	6	3	1	0.2
CR12-6-80	125	80	67	3.5	9.5	23			12	19.1	6	3	1	0.2
CR12-6-110	155	110	97	3.5	9.5	23			12	22.2	6	3	1	0.25
CR12-8-35	80	35	22	3.5	9.5	27			14	16.4	8	3	1	0.2
CR12-8-55	100	55	42	3.5	9.5	27			14	18.5	8	3	1	0.2
CR12-8-80	125	80	67	3.5	9.5	27			14	21.1	8	3	1	0.3
CR12-8-110	155	110	97	3.5	9.5	27			14	24.2	8	3	1	0.35
CR12-10-35	80	35	22	3.5	9.5	32	42		16	18.4	10	3	1	0.2
CR12-10-55	100	55	42	3.5	9.5	32	42		16	20.5	10	3	1	0.2
CR12-10-80	125	80	67	3.5	9.5	32	42		16	23.1	10	3	1	0.3
CR12-10-110	155	110	97	3.5	9.5	32	42	86	16	25.1	10	3	1	0.35
CR12-12-35	80	35	22	3.5	9.5	37	48		20	22.4	12	4	1	0.2
CR12-12-55	100	55	42	3.5	9.5	37	48		20	24.5	12	4	1	0.2
CR12-12-80	125	80	67	3.5	9.5	37	48	48	20	25.5	12	4	2	0.3
CR12-12-110	155	110	97	3.5	9.5	37	48	48	20	25.1	12	4	2	0.35

CS热缩延长杆 (薄壁款)

HEAT SHRINKABLE EXTENSION ROD (THIN WALL STYLE)



型号 Model	L	L1	L2	L3	L4	L5	L6	L7	D	D1	d	t	FIG	kg
CS12-3-35	80	35	22	3.5	9.5	12			6	8.4	3	1.5	1	0.2
CS12-3-55	100	55	42	3.5	9.5	12			6	10.5	3	1.5	1	0.2
CS12-3-80	125	80	67	3.5	9.5	12			6	13.1	3	1.5	1	0.2
CS12-3-110	155	110	97	3.5	9.5	12			6	16.2	3	1.5	1	0.25
CS12-4-35	80	35	22	3.5	9.5	16			7	9.4	4	1.5	1	0.2
CS12-4-55	100	55	42	3.5	9.5	16			7	11.5	4	1.5	1	0.2
CS12-4-80	125	80	67	3.5	9.5	16			7	14.1	4	1.5	1	0.2
CS12-4-110	155	110	97	3.5	9.5	16			7	17.2	4	1.5	1	0.25
CS12-5-35	80	35	22	3.5	9.5	18			8	10.4	5	1.5	1	0.2
CS12-5-55	100	55	42	3.5	9.5	18			8	12.5	5	1.5	1	0.2
CS12-5-80	125	80	67	3.5	9.5	18			8	15.1	5	1.5	1	0.2
CS12-5-110	155	110	97	3.5	9.5	18			8	18.2	5	1.5	1	0.25
CS12-6-35	80	35	22	3.5	9.5	23			9	11.4	6	1.5	1	0.2
CS12-6-55	100	55	42	3.5	9.5	23			9	13.5	6	1.5	1	0.2
CS12-6-80	125	80	67	3.5	9.5	23			9	16.1	6	1.5	1	0.2
CS12-6-110	155	110	97	3.5	9.5	23			9	19.2	6	1.5	1	0.25
CS12-7-35	80	35	22	3.5	9.5	25			10	12.4		1.5	1	0.2
CS12-7-55	100	55	42	3.5	9.5	25			10	14.5	7	1.5	1	0.2
CS12-7-80	125	80	67	3.5	9.5	25			10	17.1		1.5	1	0.2
CS12-7-110	155	110	97	3.5	9.5	25			10	20.2	7	1.5	1	0.25
CS12-8-35	80	35	22	3.5	9.5	27			11	13.4	8	1.5	1	0.2
CS12-8-55	100	55	42	3.5	9.5	27			11	15.5	8	1.5	1	0.2
CS12-8-80	125	80	67	3.5	9.5	27			11	18.1	8	1.5	1	0.2
CS12-8-110	155	110	97	3.5	9.5	27			11	21.2	8	1.5	1	0.25
CS12-9-35	80	35	22	3.5	9.5	29	42		12	14.4	9	1.5	1	0.2
CS12-9-55	100	55	42	3.5	9.5	29	42		12	16.5	9	1.5	1	0.2
CS12-9-80	125	80	67	3.5	9.5	29	42		12	19.1	9	1.5	1	0.2
CS12-9-110	155	110	97	3.5	9.5	29	42		12	22.2	9	1.5	1	0.25
CS12-10-35	80	35	22	3.5	9.5	32	42		13	15.4	10	1.5	1	0.2
CS12-10-55	100	55	42	3.5	9.5	32	42		13	17.5	10	1.5	1	0.2
CS12-10-80	125	80	67	3.5	9.5	32	42		13	20.1	10	1.5	1	0.2
CS12-10-110	155	110	97	3.5	9.5	32	42		13	23.2	10	1.5	1	0.25
CS12-11-35	80	35	22	3.5	9.5	34	44		14	16.4	11	1.5	1	0.2
CS12-11-55	100	55	42	3.5	9.5	34	44		14	18.5	11	1.5	1	0.2
CS12-11-80	125	80	67	3.5	9.5	34	44		14	21.1	11	1.5	1	0.2
CS12-11-110	155	110	97	3.5	9.5	34	44		14	24.2	11	1.5	1	0.25
CS12-12-35	80	35	22	3.5	9.5	37	48		15	17.4	12	1.5	1	0.2
CS12-12-55	100	55	42	3.5	9.5	37	48		15	19.5	12	1.5	1	0.2
CS12-12-80	125	80	67	3.5	9.5	37	48		15	22.1	12	1.5	1	0.2
CS12-12-110	155	110	97	3.5	9.5	37	48	95	15	25	12	1.5	2	0.25

延长杆系列

Extension rod series

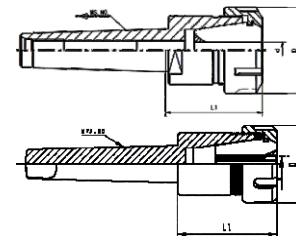
莫氏锥柄铣夹头体

MORSE TAPER COLLET CHUCK



Type B

Type A



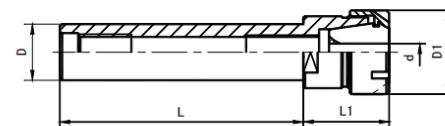
Model	MS.No.	d	D
MTA2xER11	MTA2	1.0-7.0	19
MTA2xER16	MTA2	1.0-10.0	28
MTA2xER20	MTA2	1.0-13.0	34
MTA2xER25	MTA2	1.0-16.0	42
MTA3xER16	MTA3	1.0-10.0	28
MTA3xER20	MTA3	1.0-13.0	34
MTA3xER25	MTA3	1.0-16.0	42
MTA3xER32	MTA3	2.0-20.0	50
MTA3xER40	MTA3	3.0-26.0	63
MTA4xER16	MTA4	1.0-10.0	28
MTA4xER20	MTA4	1.0-13.0	34
MTA4xER25	MTA4	1.0-16.0	42
MTA4xER32	MTA4	2.0-20.0	50
MTA4xER40	MTA4	3.0-26.0	63
MTA5xER40	MTA5	3.0-26.0	63
MTA5xER50	MTA5	6.0-34	78

Model	MS.No.	d	D
MTB2xER11	MTB2	1.0-7.0	19
MTB2xER16	MTB2	1.0-10.0	28
MTB2xER20	MTB2	1.0-13.0	34
MTB2xER25	MTB2	1.0-16.0	42
MTB3xER16	MTB3	1.0-10.0	28
MTB3xER20	MTB3	1.0-13.0	34
MTB3xER25	MTB3	1.0-16.0	42
MTB3xER32	MTB3	2.0-20.0	50
MTB3xER40	MTB3	3.0-26.0	63
MTB4xER16	MTB4	1.0-10.0	28
MTB4xER20	MTB4	1.0-13.0	34
MTB4xER25	MTB4	1.0-16.0	42
MTB4xER32	MTB4	2.0-20.0	50
MTB4xER40	MTB4	3.0-26.0	63
MTB5xER40	MTB5	3.0-26.0	63
MTB5xER50	MTB5	6.0-34	78

M 型直柄铣夹头体

SS COLLET CHUCK WITH MINI NUT

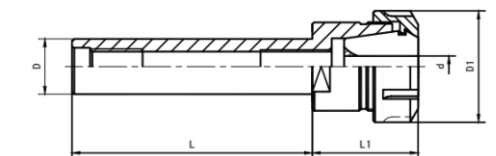
Model	d	D	D1	L
ER8M-C10-100	1.0-5.0	10	12	100
ER8M-C16-100	1.0-5.0	16	12	100
ER8M-C16-150	1.0-5.0	16	12	150
ER11M-C12-100	1.0-7.0	12	16	100
ER11M-C16-100	1.0-7.0	16	16	100
ER11M-C16-150	1.0-7.0	16	16	150
ER16M-C12-100	1.0-10.0	12	22	100
ER16M-C16-100	1.0-10.0	16	22	100
ER16M-C16-150	1.0-10.0	16	22	150
ER16M-C20-100	1.0-10.0	20	22	100
ER16M-C20-150	1.0-10.0	20	22	150
ER20M-C16-100	1.0-10.0	16	28	100
ER20M-C16-150	1.0-13.0	16	28	150
ER20M-C20-100	1.0-13.0	20	28	100
ER20M-C20-150	1.0-13.0	20	28	150
ER25M-C20-150	1.0-16.0	20	35	150
ER25M-C25-150	1.0-16.0	25	35	150



直柄铣夹头体

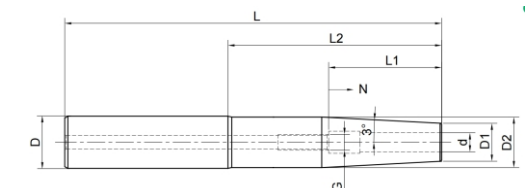
SS COLLET CHUCK WITH STANDARD NUT

Model	d	D	D1	L
ER11-C12-100	1.0-7.0	12	17	100
ER11-C16-100	1.0-7.0	16	17	100
ER16-C12-100	1.0-10.0	12	28	100
ER16-C16-100	1.0-10.0	16	28	100
ER16-C16-150	1.0-10.0	16	28	150
ER16-C20-100	1.0-10.0	20	28	100
ER16-C20-150	1.0-10.0	20	28	150
ER16-C25-100	1.0-10.0	25	28	100
ER16-C25-150	1.0-10.0	25	28	150
ER20-C20-100	1.0-13.0	20	34	100
ER20-C20-150	1.0-13.0	20	34	150
ER20-C25-100	1.0-13.0	25	34	100
ER20-C25-150	1.0-13.0	25	34	150
ER25-C25-100	1.0-16.0	25	42	100
ER25-C25-150	1.0-16.0	25	42	150
ER25-C32-100	1.0-16.0	32	42	100
ER25-C32-150	1.0-16.0	32	42	150
ER32-C32-100	2.0-20.0	32	50	100
ER32-C32-150	2.0-20.0	32	50	150
ER32-C40-100	2.0-20.0	40	50	100
ER32-C40-150	2.0-20.0	40	50	150
ER40-C32-150	3.0-26.0	32	63	150
ER40-C40-150	3.0-26.0	40	63	150



直柄热缩延长杆

SHRINK FIT EXTENSION ROD



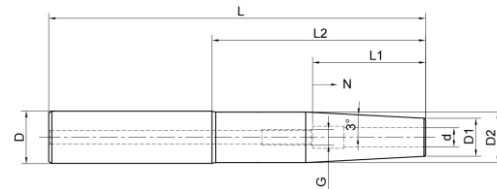
型号 Model	d	D1	D2	D	L	L2	L1	N	G
C12-SFSO3-120	3	9	11.8	12	120		73		
C12-SFSO4-120	4	10	11.8	12	120		73		
C12-SFSO5-120	5	11	11.8	12	120	36	73	10	M5
C12-SFSO6-120	6	12	17	12	120	36	73	10	M6
C12-SFSO8-120	8	14	19	12	120		73		
C16-SFSO3-120	3	9	13	16	120		70		
C16-SFSO4-120	4	10	14	16	120		70		
C16-SFSO5-120	5	11	15	16	120	36	70	10	M5
C16-SFSO6-120	6	12	15.8	16	120	36	70	10	M6
C16-SFSO8-120	8	14	19	16	120		70		
C20-SFSO3-120	3	9	13	20	120		68		
C20-SFSO4-120	4	10	14	20	120		68		

延长杆系列

Extension rod series

直柄热缩延长杆

SHRINK FIT EXTENSION ROD



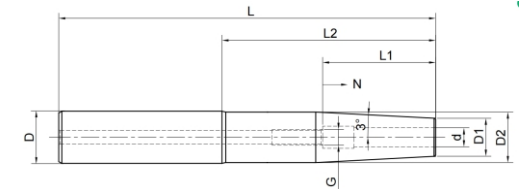
型号 Model	d	D1	D2	D	L	L2	L1	N	G
C16-SFSO5-120	5	11	15	16	120	36	70	10	M5
C16-SFSO6-120	6	12	15.8	16	120	36	70	10	M6
C16-SFSO8-120	8	14	19	16	120		70		
C20-SFSO3-120	3	9	13	20	120		68		
C20-SFSO4-120	4	10	14	20	120		68		
C20-SFSO5-120	5	11	15	20	120	36	68	10	M5
C20-SFSO6-120	6	12	16	20	120	36	68	10	M6
C20-SFSO8-120	8	14	19	20	120	42	68	10	M8x1
C20-SFS10-120	10	16	19.8	20	120	47	68	10	M10x1
C20-SFS12-120	12	18	19.8	20	120		68		
C12-SFSO3-160	3	9	11.8	12	160		113		
C12-SFSO4-160	4	10	11.8	12	160		113		
C16-SFSO3-160	3	9	13	16	160		110		
C16-SFSO4-160	4	10	14	16	160		110		
C16-SFSO5-160	5	11	15	16	160		110		
C20-SFSO5-160	5	11	15	20	160		110		
C20-SFSO6-160	6	12	16	20	160	36	108	10	M5
C20-SFSO8-160	8	14	19	20	160	36	108	10	M6
C25-SFSO8-160	8	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-SFSO3-200	3	9	13	16	200		150		
C16-SFSO4-200	4	10	14	16	200		150		
C16-SFSO5-200	5	11	15	16	200		150		
C16-SFSO6-200	6	12	15.8	16	200	36	150	10	M5
C16-SFSO8-200	8	14	19	16	200	36	150	10	M6
C20-SFSO6-250	6	12	16	20	250	36	198	10	M5
C20-SFSO8-250	8	14	19	20	250	36	198	10	M6

延长杆系列

Extension rod series

直柄热缩延长杆

SHRINK FIT EXTENSION



型号 Model	d	D1	D2	D	L	L2	L1	N	G
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	24.8	25	250	50	192	10	M12x1
C20-SFSO6-300	6	12	16	20	300	36	248	10	M5
C20-SFSO8-300	8	14	19	20	300	36	248	10	M6
C20-SFS10-300	10	16	19.8	20	300	42	248	10	M8x1
C25-SFS12-300	12	18	23	25	300	47	242	10	M10x1
C25-SFS16-300	16	22	24.8	25	300	50	242	10	M12x1

混合插入式铣刀杆用附件

ATTACHMENT OF COMBI SHELL END MILL ARBORS



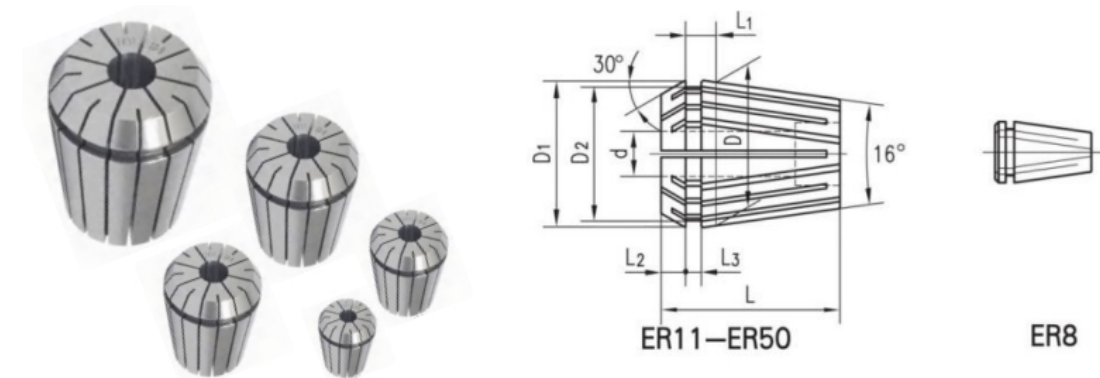
拨环 DRIVE RING	扳手 SPANNER	螺钉 SCREW	刀杆直径 Dia of arbors
SK-00206-1	SK-00208-1	SK-00210-1	13
SK-00206-2	SK-00208-2	SK-00210-2	16
SK-00206-3	SK-00208-3	SK-00210-3	22
SK-00206-4	SK-00208-4	SK-00210-4	27
SK-00206-5	SK-00208-5	SK-00210-5	32
SK-00206-6	SK-00208-6	SK-00210-6	40
SK-00206-7	SK-00208-7	SK-00210-7	50
SK-00206-8	SK-00208-8	SK-00210-8	25.4

筒夹系列 collet series

DIN6499B 标准ER系列夹头

ER SERIES COLLETS WITH STANDARD DIN6499B

1. 选用优质弹簧钢
2. 夹紧力大, 夹持范围广, 精度高
3. 广泛用于镗、铣、钻、攻丝、磨、雕刻等加工
1. Made of special elastic steel material
2. Power clamping ability, precise accuracy
3. Used for boring, milling, drilling, tapping, grinding and engraving operation etc.



型号 Model	d H7	D	D1	D2	L	L1	L2	L3	弹性收缩量Collapsible capacity
ER8	≥1.0~5.0	8	8.45	6.5	13.5	2.98	1.5	1.2	0.5
ER11	≥1.0~7.0	11	11.5	9.5	18	3.8	2.5	2	0.5
ER16	≥1.0~2.5	16	17	13.8	27.5	6.26	4	2.7	0.5
	>2.5~10.0	16	17	13.8	27.5	6.26	4	2.7	1
ER20	≥1.0~2.5	20	21	17.4	31.5	6.36	4.8	2.8	0.5
	>2.5~13.0	20	21	17.4	31.5	6.36	4.8	2.8	1
ER25	≥1.0~2.5	25	26	22	34	6.66	5	3.1	0.5
	>2.5~16.0	25	26	22	34	6.66	5	3.1	1
ER32	≥2.0~2.5	32	33	29.2	40	7.16	5.5	3.6	0.5
	>2.5~20.0	32	33	29.2	40	7.16	5.5	3.6	1
ER40	≥3.0~26.0	40	41	36.2	46	7.66	7	4.1	1
ER50	≥6.0~10.0	50	52	46	60	12.6	8.5	5.5	1
	>10.0~34.0	50	52	46	60	12.6	8.5	5.5	2

筒夹系列 collet series

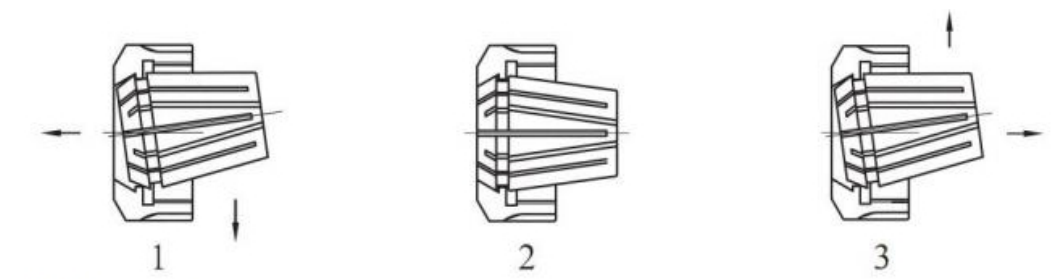
精度检测

Inspection of Accuracy

D	L	径向跳动Run out tolerance				
		AAA	AA	A	B	C
1.0~1.6	6					
>1.6~3.0	10				0.010	0.010
>3.0~6.0	16					
>6.0~10.0	25	0.005	0.008	0.010		
>10.0~18.0	40					
>18.0~26.0	50				0.015	0.020
>26.0~30.0	60					
>30.0~34.0	80				0.020	0.030

说明: 无特殊要求, 一般按 II 级供货, 如需其它精度, 需特殊订货, 价格另议。
If no special requirement, we would supply to you according to II grade; if you require other grade, the price would be advanced

压帽与夹头的安装 Mounting instruction for ER collets and nuts



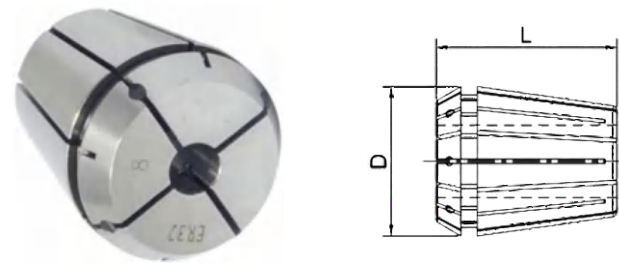
1. 将夹头放入压帽内, 轻轻转动, 待压帽偏心部分凹入夹头槽内, 沿箭头方向均匀用力推动夹头, 即可装入压帽内。
2. 将夹头与压帽一起安装在夹头体或机床主轴内, 把刀具圆柱柄部擦净后装入夹持孔内, 使用扳手均匀用力紧固压帽, 直到刀具夹牢为止方可使用(注意: 且忌在未安装刀具状态下紧固压帽, 以免损坏夹头)。
3. 换刀时, 用扳手松开压帽带出夹头及刀具, 卸下刀具, 沿箭头方向用力推动夹头, 使其退出, 然后根据需要换上其它孔径的夹头即可。
1. Put the collet into the nut, turn the collet slightly, push it into the nut at the offered direction evenly. When the offset flange into the undercut of the collet.
2. Fix the nut and the collet on the spindle rotate the nut until the collet is in pressing. Wipe the straight shank of cutter, and insert it into the pilot hole. Tighten the nut with a wrench till the cutter is clamped heavily (Caution: never tighten the nut without cutter in it for it will break).
3. When changing the tool, Loosen the nut and it shall bring out the collet and the cutter together, and then draw the cutter out push out slightly the collet in the offered direction, it shall be ready for any change of the cutter.

筒夹系列 collet series

ER止水筒夹

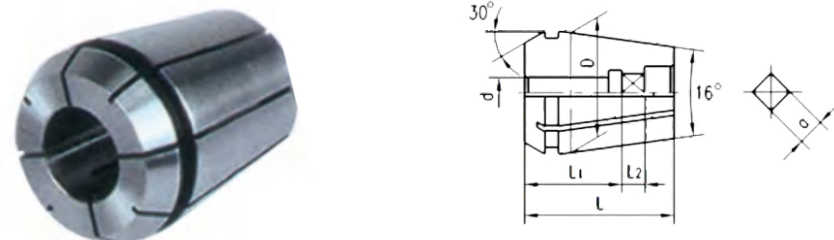
ER SEALED COLLET

型号 Model	L	L1	d
ER11S-d	11.5	18	2-7
ER16S-d	16.74	27.5	2-10
ER20S-d	20.74	31.5	2-13
ER25S-d	25.74	34	2-16
ER32S-d	32.74	40	2-20
ER40S-d	40.74	46	3-26



ERG 型攻丝夹头

ERG TYPE TAPPING COLLET



型号 Model	ER16G-d	ER20G-d	ER25G-d	ER32G-d	ER40G-d
D	16	20	25	32	40
L	27.5	31.5	34	40	46
d	3.5-8	3.5-10	3.5-16	3.5-20	3.5-25

dax	3.5X2.7	4.0X3.0	4.5X3.4	5.5X4.3	6.0X4.9	7.0X5.5
	8.0X6.2	9.0X7.0	10X8.0	11X9.0	12X9.0	14X11
	16X12	18X14.5	20X16	22X18	25X20	

筒夹系列 collet series

DIN6388A 标准EOC系列铣夹头OZ筒夹

DIN6388A EOC COLLETS



Model	D	D1	d	L	L1	L2	L3
EOC6A	10	11.5	1~6	21	3.5	0.5	4
EOC8A	12.65	14.5	1~8	26	4	0.8	4.5
EOC10A	15.15	17.2	1~10	30	4.5	0.8	4.5
EOC12A	17.75	19.8	1~12	34	5	1.1	4.5
EOC16A	22.65	25.5	2~16	40	5.5	1.2	5.5
EOC20A	27.4	29.8	2~20	45	6	1.35	6
EOC25A	32.9	35.05	2~25	52	6	1.4	6
EOC32A	41.3	43.7	4~32	60	6	1.45	7
EOC40A	49.7	52.2	6~40	68	6	1.45	8
EOC50A	61.1	63.8	8~50	80	7	1.55	9

夹持工件或刀具柄允差:h11 Clamp workpiece or tooling shank tolerance h11

DIN6388B 标准EOC系列铣夹头

DIN6388B EOC COLLETS



Model	D	D1	d	L	L1	L2	L3
EOC16B	22.65	25.5	2~16	40	5.5	1.2	9.5
EOC20B	27.4	29.8	2~20	45	6	1.35	10
EOC25B	32.9	35.05	2~25	52	6	1.4	10
EOC32B	41.3	43.7	4~32	60	6	1.45	11
EOC40B	49.7	52.2	6~40	68	6	1.45	12
EOC50B	61.1	63.8	8~50	80	7	1.55	13

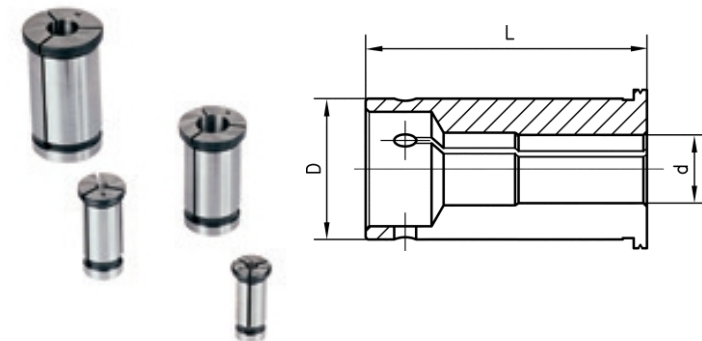
最大夹持范围:0.5mm Max clamping range:0.5mm

筒夹系列 collet series

C 型直柄筒夹

C TYPE STRAIGHT SHANK COLLETS

型号 Model	D	d	L
C16	16	4.0-12.0	45
C22	22	4.0-16.0	55
C20	20	4.0-16.0	50
C25	25	4.0-20.0	60
C32	32	4.0-25.0	65
C42	42	6.0-32.0	80
C40	40	6.0-32.0	80



ER夹头套装

COLLET KITS



型号 Model	夹头规格Collet Hole Size	支/套Pcs/Set
ER8-K09	1,1.5,2,2.5,3,3.5,4,4.5,5	9
ER11-K07	1,2,3,4,5,6,7	7
ER11-K13	1,1.5,2,2.5,3,3.5,4,4.5,5,5.5,6,6.5,7	13
ER16-K08	3,4,5,6,7,8,9,10	8
ER16-K10	1,2,3,4,5,6,7,8,9,10	10
ER20-K10	4,5,6,7,8,9,10,11,12,13	10
ER20-K12	2,3,4,5,6,7,8,9,10,11,12,13	12
ER25-K05	6,8,10,12,16	5
ER25-K07	4,6,8,10,12,14,16	7
ER25-K13	4,5,6,7,8,9,10,11,12,13,14,15,16	13
ER25-K15	2,3,4,5,6,7,8,9,10,11,12,13,14,15,16	15
ER32-K06	6,8,10,12,16,20	6
ER32-K11	4,5,6,8,10,12,13,15,16,18,20	11
ER32-K18	3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20	18
ER40-K07	6,8,10,12,16,20,25	7
ER40-K15	4,5,6,8,10,12,13,15,16,18,20,21,22,25,26	15
ER40-K23	4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26	23
ER50-K12	12,14,16,18,20,22,24,26,28,30,32,34	12

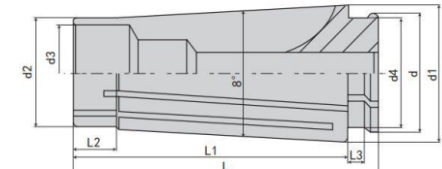
根据要求,还可以提供其它不同规格及件数的套装夹头

We are glad to supply collets with different size and quantities according to your requirement.

筒夹系列 collet series

GSK 高速筒夹

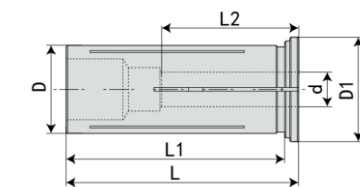
GSK HIGH SPEED COLLET



型号 Model	d	d1	d2	d3	d4	L	L1	L2	L3	夹持范围
GSK06	8.9	10.4	7.5	6	7.6	25	17.4	3.8	2.2	2-6mm
GSK10	13.4	15.45	12	9.5	11.8	30.5	21.1	5.1	2.4	2-10mm
GSK13	17.05	19.97	15.5	12.5	15.1	39	27	6.5	2.4	3-13mm
GSK16	20.85	24.52	18.8	15.5	19	45	32.4	7.5	2.5	3-16mm
GSK20	24.95	29.1	22.6	19.5	23	54	40.7	8	2.9	4-20mm
GSK25	31	35.7	28.9	25	28.5	57	43.1	8.4	3	6-25mm

液压筒夹

HYDRAULIC COLLET

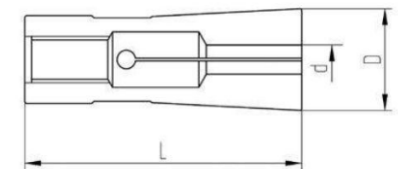


型号 Model	L	L1	D	D1	d
HC12	48	45.9	12	19	3-10mm
HC20	54	51	20	23.9	3-16mm
HC25	58	54.8	25	29	3-20mm
HC32	64	60.6	32	35.2	5-26mm

后拉式筒夹

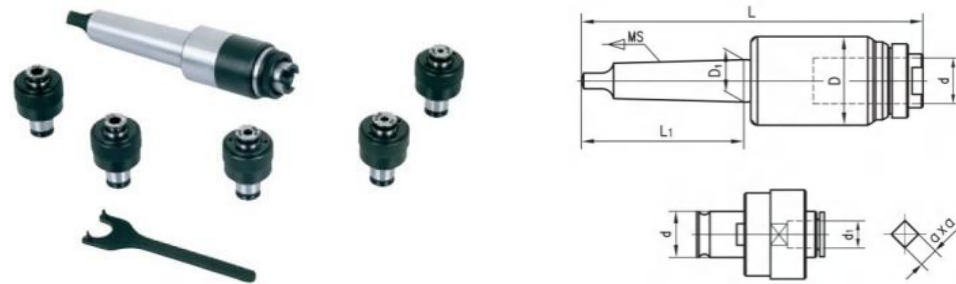
DC COLLET

型号 Model	D	d	L	G
DC04	8.1	2-4mm	30	M5*0.8
DC06	10	2-6mm	36	M5*0.8
DC08	12	3-8mm	37	M6*1.0
DC12	12	3-12mm	53	M10*1.5



筒夹系列 collet series

J41型攻丝夹头 J41 TAPPING CHUCK



该夹头由主体和丝锥夹头两部分组成。主体具有前后螺距补偿装置，丝锥夹头具有扭矩过载保护装置，防止丝锥折断。不同直径的丝锥，只要调节螺母，即可得到不同打滑扭矩。广泛应用于钻、车、镗及加工中心等机床的攻丝加工。

This device is consisted of a tap chuck and tap collets. The chuck has compensating device for thread pitch. Collet chuck has overload torque protection device, which avoid tap breaking. In order to get the different release torques for different diameter taps, just adjust nuts. This device is most applicable to tap working on drill, lathe, boring machine, milling machine and CNC machine center and so on.

型号 Model	柄部锥度 Shank taper	D	D1	d	L1	L	夹持范围 Tapping range	最大扭矩 Torque Nm	KG
J4112-MS2	MS2	46	17.780	19	75	171.5	M3-M12	25	1.08
J4112-MS3	MS3	46	23.825	19	94	191	M3-M12	25	1.28
J4112-MS4	MS4	46	31.267	19	117.5	216	M3-M12	25	3.00
J4116-R8	R8	46	31.75	19	101.6	193.6	M3-M16	46.3	1.71
J4116-MS2	MS2	46	17.780	19	75	171.5	M3-M16	46.3	1.08
J4116-MS3	MS3	46	23.825	19	94	191	M3-M16	46.3	1.61
J4116-MS4	MS4	46	31.267	19	117.5	216	M3-M16	46.3	3.00
J4124-MS3	MS3	66	23.825	30	94	227	M12-M24	150	3.20
J4124-MS4	MS4	66	31.267	30	117.5	252	M12-M24	150	3.60
J4124-MS5	MS5	66	44.388	30	149.5	284	M12-M24	150	4.50

12型攻丝范围 Tapping range	M3	M4	M5	M6	M8	M10	M12
67型d1 × a(mm)	4X3	4X3	5×3.8	6×5	6×5	8×6.3	9×7.1
83型d1 × a(mm)	2.24×1.8	3.15×2.5	4×3.15	4.5×3.55	6.3×5	8×6.3	9×7.1

24型攻丝范围 Tapping range	M12	M14	M16	M18	M20	M22	M24
67型d1 × a(mm)	9×7.1	10.5×8	12.5×10	14×11	16×12	18×14.5	20×16
83型d1 × a(mm)	9×7.1	11.2×9	12.5×10	14×11.2	14×11.2	16×12.5	18×14

筒夹系列 collet series

J45型攻丝夹头 J45 TAPPING CHUCK



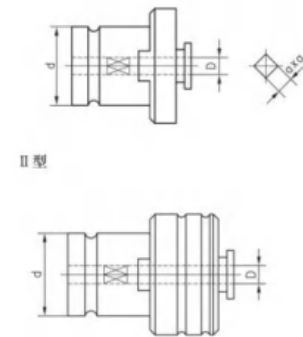
该夹头由主体和攻丝夹套两部分组成，主体具有前后螺距补偿装置。攻丝夹套有过载保护和 not 保护两种。过载保护夹头攻丝时，只要调节螺母，即可得到不同的打滑扭矩，防止丝锥折断，方便迅速。

This unit is consisted of chuck and tap collet. The chuck has installed compensating device for thread pitch. There are two different tap collets, one with overload protection and one without. When using the tap collet with overload protection, the protection device can automatically release to avoid tap-break. Just adjust nuts and you can get the different release torque quickly and conveniently.

型号 Model	柄部 Shank	攻丝范围 Tapping range	D(mm)	D1(mm)	d(mm)	L1(mm)
D30-12	DIN69871.30	M3-M12	36	31.75	19	59
D40-12	DIN69871.40	M3-M12	36	44.45	19	59
D50-12	DIN69871.50	M3-M12	36	69.85	19	62
B30-12	BT30	M3-M12	36	31.75	19	59
B40-12	BT40	M3-M12	36	44.45	19	64
B50-12	BT50	M3-M12	36	69.85	19	75
D30-20	DIN69871.30	M7-M20	53	31.75	31	97
D40-20	DIN69871.40	M7-M20	53	44.45	31	97
D50-20	DIN69871.50	M7-M20	53	69.85	31	97
B30-20	BT30	M7-M20	53	31.75	31	97
B40-20	BT40	M7-M20	53	44.45	31	97
B50-20	BT50	M7-M20	53	69.85	31	97
D30-36	DIN69871.30	M14-M36	78	31.75	48	149
D40-36	DIN69871.40	M14-M36	78	44.45	48	149
D50-36	DIN69871.50	M14-M36	78	69.85	48	149
B30-36	BT30	M14-M36	78	31.75	48	149
B40-36	BT40	M14-M36	78	44.45	48	149
B50-36	BT50	M14-M36	78	69.85	48	149

筒夹系列 collet series

J45型攻丝夹套 J45 TAPPING COLLET

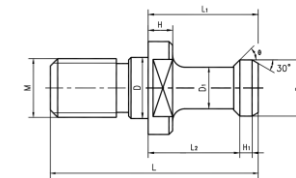


1. 该夹头 II 型内部设有过载保护装置, 扭矩可调
2. 订货时请写明规格, 柄径 d 及形式如: 19-3.5×2.7- II
1. With overload protection device inside the chucks torque adjustable
2. Show the specification in the order, with diameter of shank in the form as 19-3.5×2.7- II

型号 Model	ISO D×a	DIN371 D×a	DIN376 D×a	JIS(日本)D×a	d(mm)	
M2	2.8×2.25	2.8×2.1	2.5×2.1	3×2.5	19	
M3(1/8)	3.15×2.5	3.5×2.7		4×3.2	19	
M4(5/32)	4×3.15	4.5×3.4		5×4	19	
M5(3/16)	5×4	6×4.9		5.5×4.5	19	
M6(1/4)	6.3×5	6×4.9		6×4.5	19	
M8(5/16)	6.3×5	8×6.2	6×4.9	6.2×5	19	
M10(3/8)	8×6.3	10×8	7×5.5	7×5.5	19	
M12	9×7.1		9×7	8.5×6.5		31
1/2"	9×7.1		9×7	9×7		31
M14(9/16)	11.2×9		11×9	10.5×8		31
M16	12.5×10		12×9	12.5×10		31
5/8"	12.5×10		12×9	12×9		31
M18(3/4)	14×11.2		14×11	14×11		31
M20	14×11.2		16×12	15×12		31
M22(7/8)	16×12.5		18×14.5	17×13		31
M24	18×14		18×14.5	19×15	48	31
M27(1")	20×16		20×16	20×15	48	
M30	20×16		22×18	23×17	48	
M33	22.4×18		25×20	25×19	48	
M36	25×20		28×22	28×21	48	
PT1/16-28				8×6	19	
PT1/8-28				8×6	19	
PT1/4-19				11×9	31	
PT3/8-19				14×11	31	
PT1/2-14				18×14	31	
PT3/4-14				23×17	48	

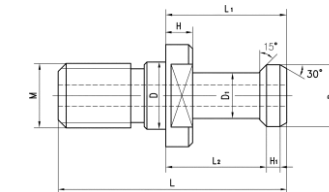
拉钉系列 Pull Stud Series

MAS403-1982 拉钉 Pull Stud



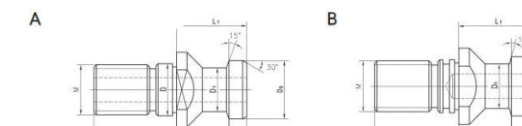
Model	D	D1	D2	M	L	L1	L2	H	H1	θ
BT30-45°/60°/90°	12.5	7	11	M12	43	23	18	5	2.5	45°60°90°
BT40-45°/60°/90°	17	10	15	M16	60	35	28	6	3	45°60°90°
BT45-45°/60°/90°	21	14	19	M20	70	40	31	8	4	45°60°90°
BT50-45°/60°/90°	25	17	23	M24	85	45	35	10	5	45°60°90°

JIS B6339-1986 拉钉 Pull Stud



Model	D	D1	D2	M	L	L1	L2	H	H1
BT-30J	12.5	8	12	M12	43	23.4	18.4	5	3
BT-35J	12.5	11	15	M12	44	24	19	5	3
BT-40J	17	14	19	M16	54	29	23	7	3
BT-45J	21	17	23	M20	60	30	23	7	4
BT-50J	25	21	28	M24	74	34	25	7	5
BT-55J	31	27	36	M30	98	48	36	11	7

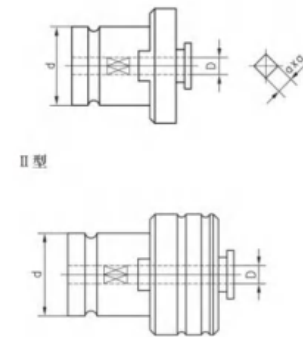
DIN69872-1988 拉钉 Pull Stud



Model	D	D1	D2	M	L	L1	L2
SK30A(B)	13	9	13	M12	44	24	19
SK40A(B)	17	14	19	M16	54	26	20
SK45A(B)	21	17	23	M20	65	30	23
SK50A(B)	25	21	28	M24	74	34	25

筒夹系列 collet series

J45型攻丝夹套 J45 TAPPING COLLET

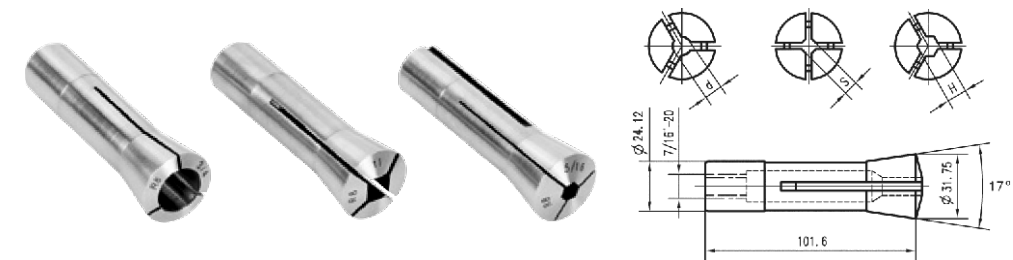


1. 该夹头 II 型内部设有过载保护装置, 扭矩可调
2. 订货时请写明规格, 柄径 d 及形式如: 19-3.5×2.7- II
1. With overload protection device inside the chucks torque adjustable
2. Show the specification in the order, with diameter of shank in the form as 19-3.5×2.7- II

型号 Model	ISO D×a	DIN371 D×a	DIN376 D×a	JIS(日本)D×a	d(mm)	
M2	2.8×2.25	2.8×2.1	2.5×2.1	3×2.5	19	
M3(1/8)	3.15×2.5	3.5×2.7		4×3.2	19	
M4(5/32)	4×3.15	4.5×3.4		5×4	19	
M5(3/16)	5×4	6×4.9		5.5×4.5	19	
M6(1/4)	6.3×5	6×4.9		6×4.5	19	
M8(5/16)	6.3×5	8×6.2	6×4.9	6.2×5	19	
M10(3/8)	8×6.3	10×8	7×5.5	7×5.5	19	
M12	9×7.1		9×7	8.5×6.5		31
1/2"	9×7.1		9×7	9×7		31
M14(9/16)	11.2×9		11×9	10.5×8		31
M16	12.5×10		12×9	12.5×10		31
5/8"	12.5×10		12×9	12×9		31
M18(3/4)	14×11.2		14×11	14×11		31
M20	14×11.2		16×12	15×12		31
M22(7/8)	16×12.5		18×14.5	17×13		31
M24	18×14		18×14.5	19×15	48	31
M27(1")	20×16		20×16	20×15	48	
M30	20×16		22×18	23×17	48	
M33	22.4×18		25×20	25×19	48	
M36	25×20		28×22	28×21	48	
PT1/16-28				8×6	19	
PT1/8-28				8×6	19	
PT1/4-19				11×9	31	
PT3/8-19				14×11	31	
PT1/2-14				18×14	31	
PT3/4-14				23×17	48	

弹簧夹头 collet series

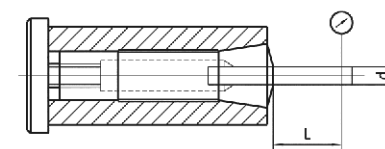
R8弹簧夹头 R8 COLLET



1. 材料: 65Mn
2. 硬度: 夹持部分 HRC55~60; 弹性区 HRC40~45
3. 适用于主轴锥孔为 R8 的各种铣床, 如 X6325、X5325 等
1. Material: 65Mn
2. Hardness: clamping part HRC55~60; elastic part HRC40~45
3. This unit is applicable to all sorts of milling machines, which spindle taper hole is R8, such as X6325, X5325 etc.

订单号 Order No.	型式 Type	夹持范围 Clamping range		重量 Wt(kg)
		mm	in	
R8-01-d	圆孔 Round	1~20	1/16~7/8	0.24
R8-02-S	四方孔 Square	3~13	1/8~1/2	0.24
R8-03-H	六方孔 Hex	3~16	1/8~5/8	0.24

精度检测 Inspection of Accuracy



d		L	径向跳动 Run out	
mm	in	mm	in	mm
1~1.6	1/32~1/16	6.35	0.0005	0.013
>1.6~3	>1/16~1/8	12.7	0.0005	0.013
>3~10	>1/8~3/8	25.4	0.0005	0.013
>10~16	>3/8~5/8	38.1	0.0005	0.013
>16~20	>5/8~7/8	50.8	0.0005	0.013

弹簧夹头 collet series

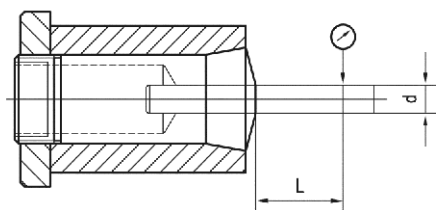
5C弹簧夹头
5C COLLET



- | | |
|--------------------------------|---|
| 1. 材料:65Mn | 1. Material:65Mn |
| 2. 硬度:夹持部分HRC55~60 弹性区HRC40~45 | 2. Hardness:clamping part HRC55~60 elastic part HRC40~45 |
| 适用于主轴锥孔为5C的各种车床,如自动车床、数控车床等 | 3. This unit is applicable to all sorts of lathes,which spindle taper hole is 5C,such as automatic lathes,CNC lathes etc. |

订单号 Order No.	型式 Type	夹持范围 Clamping range		重量 Wt(kg)
		mm	in	
5C-01-d	圆孔 Round	1~28	1/32~1-1/8	0.24
5C-02-S	四方孔 Square	3~19	1/8~3/4	0.24
5C-03-H	六方孔 Hex	3~22	1/8~7/8	0.24

精度检测 Inspection of Accuracy



d		L	径向跳动 Run out	
mm	in	mm	in	mm
1~1.6	1/32~1/16	6.35	0.0005	0.013
>1.6~3	>1/16~1/8	12.7		
>3~10	>1/8~3/8	25.4		
>10~16	>3/8~5/8	38.1		
>16~20	>5/8~7/8	50.8		

弹簧夹头 collet series

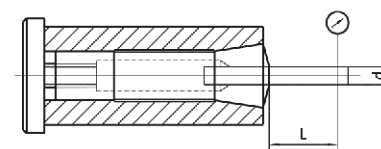
R8弹簧夹头
R8 COLLET



- | | |
|----------------------------------|--|
| 1.材料:65Mn | 1. Material:65Mn |
| 2.硬度:夹持部分HRC55~60;弹性区HRC40~45 | 2. Hardness:clamping part HRC55~60;elastic part HRC40~45 |
| 3. 适用于主轴锥孔为R8的各种铣床,如X6325、X5325等 | 3. This unit is applicable to all sorts of milling machines, which spindle taper hole is R8,such as X6325、X5325 etc. |

订单号 Order No.	型式 Type	夹持范围 Clamping range		重量 Wt(kg)
		mm	in	
R8-01-d	圆孔 Round	1~20	1/16~7/8	0.24
R8-02-S	四方孔 Square	3~13	1/8~1/2	0.24
R8-03-H	六方孔 Hex	3~16	1/8~5/8	0.24

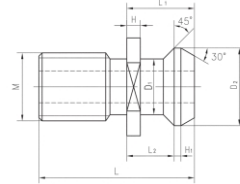
精度检测 Inspection of Accuracy



d		L	径向跳动	Run out
mm	in	mm	in	mm
1~1.6	1/32~1/16	6.35	0.0005	0.013
>1.6~3	>1/16~1/8	12.7	0.0005	0.013
>3~10	>1/8~3/8	25.4	0.0005	0.013
>10~16	>3/8~5/8	38.1	0.0005	0.013
>16~20	>5/8~7/8	50.8	0.0005	0.013

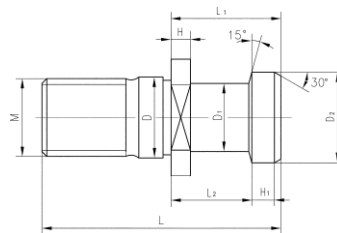
拉钉系列 Pull Stud Series

ANSASME B5.50-1985 拉钉Pull Stud



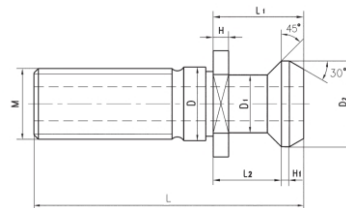
Model	D1	D2	M	L	L1	L2	H	H1
CAT30	9.78	13.21	1/2"-13	27.94	11.68	8.13	2.54	1.01
CAT40	12.45	18.8	5/8"-11	38.1	16.26	11.18	3.05	1.52
CAT45	15.37	23.88	3/4"-10	45.72	20.83	14.73	4.06	2.03
CAT50	20.83	28.96	1"-8	58.42	25.4	17.78	5.08	2.54

ISO/DIS7388/2-1984A 拉钉Pull Stud



Model	D	D1	D2	M	L	L1	L2	H	H1
LDI-30A	13	8	12	M12	44	24	19	4	3
LDI-40A	17	14	19	M16	54	26	20	4	4
LDI-45A	21	17	23	M20	65	30	23	5	5
LDI-50A	25	21	28	M24	74	34	25	6	7

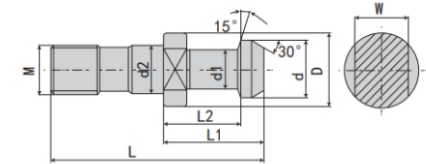
ISO/DIS7388/2-1984B 拉钉Pull Stud



Model	D	D1	D2	M	L	L1	L2	H	H1
LDI-30B	13	9.3	13.3	M12	27	11.8	8.1	2.7	1.2
LDI-40B	17	12.95	18.95	M16	44.5	16.4	11.15	3.25	1.75
LDI-45B	21	16.3	24.05	M20	56	20.95	14.85	4.25	2.25
LDI-50B	25	19.6	29.1	M24	65.5	25.55	17.95	5.25	2.75

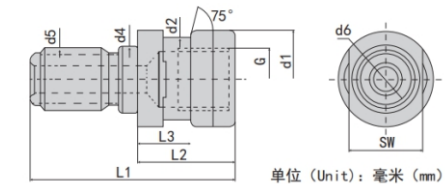
拉钉系列 Pull Stud Series

ISO 拉钉 ISO PullStud



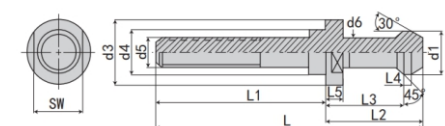
Model	L1	L2	L3	D1	D2	D3	D4	D5
ISO20	26	12	9	12	9	6	8.5	M8
ISO25	28	12	9	13	11	7	8.5	M8
ISO30	44	24	19	17	13	9	13	M12

OTT Pull Stud



Model	M	d1	d2	d3	d4	L3	L2	L1
NT40	M16	25	21.1	17	7	13.6	25	53
NT50	M24	39.29	32	25	7	13.3	25.1	65

加长拉钉 Lengthen the rivets Pull Stud



Model	d1	d2	d3	d4	d5	d6	L	L1	L2	L3	L4
BT30-45°-M10	11	7	16.5	12.5	M10	7	90	67	23	18	2
BT30-45°-M12	11	7	16.5	12.5	M12	7	90	67	23	18	2
BT40-45°-M10	15	10	23	17	M10	10	115	80	35	28	2.7
BT40-45°-M12	15	10	23	17	M12	10	115	80	35	28	2.7
BT40-45°-M14	15	10	23	17	M14	10	115	80	35	28	2.7
BT40-45°-M16	15	10	23	17	M16	10	115	80	35	28	2.7
BT50-45°-M10	23	17	38	25	M10	17	170	125	45	35	5
BT50-45°-M12	23	17	38	25	M12	17	170	125	45	35	5
BT50-45°-M14	23	17	38	25	M14	17	170	125	45	35	5
BT50-45°-M16	23	17	38	25	M16	17	170	125	45	35	5
BT50-45°-M20	23	17	38	25	M20	17	170	125	45	35	5
BT60-45°-M24	32	24	56	31	M24	24	238	172	65	53	6



扳手系列

Spanner series

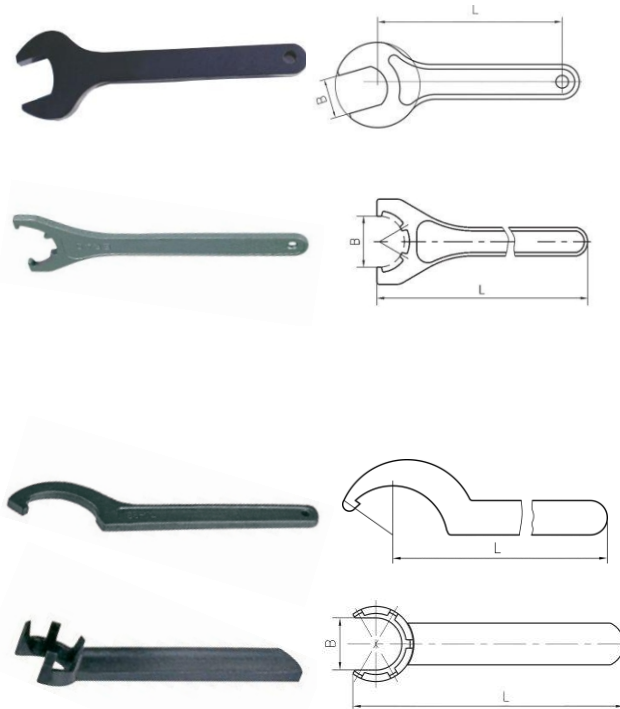
ER 扳手ER Spanner

Model	B	L	适用压帽 Clamping Nut
S/ER11	17	110	ER11-A ER11-T1
S/ER16	25	120	ER16-A ER16-T1
S/ER20	30	130	ER20-A ER20-T1

Model	B	L	适用压帽 Clamping Nut
S/ER25-S	37	210	ER25-B ER25-T2
S/ER32-S	45	250	ER32-B ER32-T2
S/ER40-S	58	290	ER40-B ER40-T2
S/ER50-S	72	350	ER50-B ER50-T2

Model	B	L	适用压帽 Clamping Nut
S/ER25	168	38-42	ER25-B ER25-T2
S/ER32	190	45-52	ER32-B ER32-T2
S/ER40	210	55-63	ER40-B ER40-T2
S/ER50	240	78-85	ER50-B ER50-T2

Model	B	L	适用压帽 Clamping Nut
S/ER8M	7.5	70	ER8-M
S/ER11M	11	90	ER11-M
S/ER16M	15	110	ER16-M
S/ER20M	19.5	120	ER20-M
S/ER25M	25	130	ER25-M



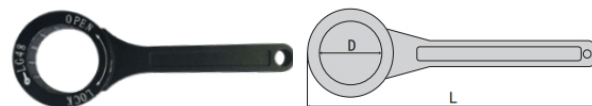
T型扳手T-wrench

Model	Torx	shape
KTTL-T15	T15	
KTTL-T20	T20	
KTTS-T20	T20	
KTTS-T25	T25	



滚珠扳手Ball Spanner

Model	B	L	KG
SK06	19.5	120	0.24
SK10	27	135	0.3
SK13	35	135	0.3
SK16	40	180	0.38
SK20	48	180	0.58
SK25	55	300	0.7

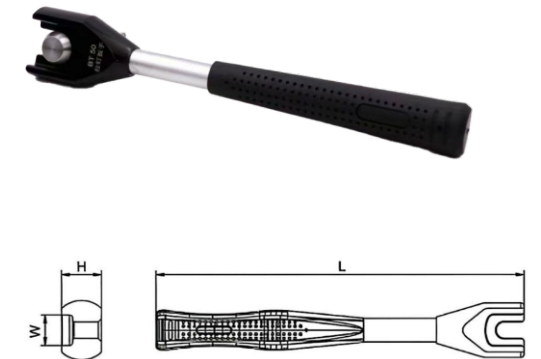


扳手系列

Spanner series

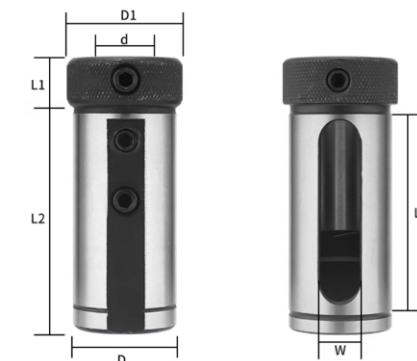
拉钉扳手Pull Stud Spanner

Model	L	H	W	KG
BT30	220	16	13	0.4
BT40	230	25	19	0.5
BT50	280	33	30	0.9
SK40	235	19	19	0.5
SK50	250	24.5	30	0.8
MAZAK-BT40	230	13	19	0.4
MAZAK-BT50	280	17	30	0.7
CAT40	240	11	19	0.4
CAT50	280	17	32	0.8
DS40	240	19.5	19	0.5
DS50	280	24.5	30	0.8



车床刀套

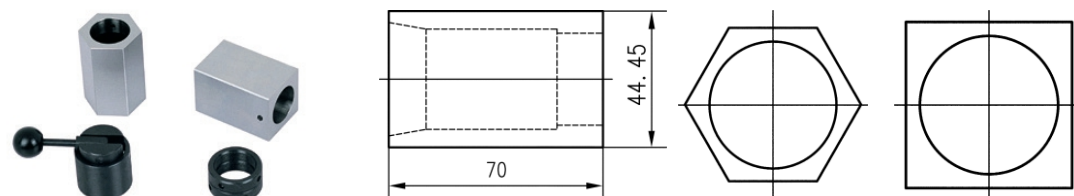
Lathe sleeve



D	d	D1	L1	L2	L3	W	M
50	6、8、10、12、14、16、18、20、25	60	18	90			M8
50	32、40	60	18	90	75	16	M8
40	8、10、12、14、16、20	44.5	18	75			M8
40	25、32	44.5	18	80	80	14	M8
32	8、10、12、14、16	36	18	65	65		M8
32	20、25	36	18	65	65	14	M8
25	6、8、10、12	30	12	55	55		M8
25	16	30	12	55	55	12	M10
20	6、8、10	25	10	50	50		M10
20	12、14、16	25	10	50	50	10	M10

5C夹具 5C FIXTURE

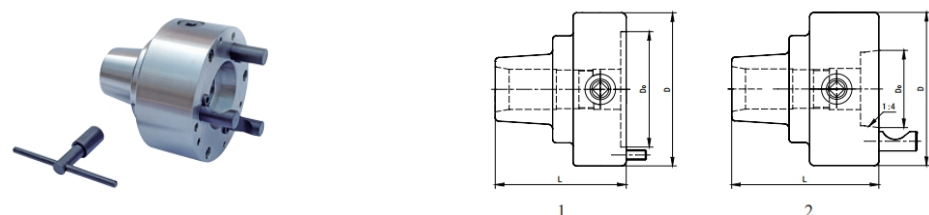
5C 四六方套 5C COLLET BLOCK SET



主要技术参数Main Technical Parameter	外形尺寸Outer size(in)
夹头四方套Square for 5C collets	1-3/4×1-3/4×2-3/4
夹头六方套Hex for 5C collets	1-3/4×1-3/4×1-3/4×2-3/4
快速夹紧手柄Quick acting lever collet closer	1-11/16×4
重量Wt(kg)	1.41kg

采用木箱包装每套包括1件四方套、1件六方套、1件快速夹紧手柄和1件锁紧套
Complete set in wooden case consists of one square block, one hex block, one handle and one collet close

5C夹具 5C FIXTURE



Model	D	D0	L	夹持范围 Clamping rang			示意图Figure
				圆孔Round	四方孔Square	六方孔Hex	
3911-125-5C	126	95	107	1~28mm 3/64~1-1/8"	3~19mm 1/8~3/4"	3~22mm 1/8~7/8"	1
3911-125-D3	126	53.975	120.5				2
3911-125-D4	126	63.513	120.5				
3911-125-D5	140	82.563	143.5				
3911-125-D6	165	106.375	143.5				
3911-125-D8	210	139.719	145.5				

该装置与5C夹头配合，可夹持不同直径的刀具或工件，可安装于车床，磨床及其它专用设备上，具有精度高，操作方便，使用安全，夹紧牢固等优点。
5C collet is fit for this device, which can clamp tool or workpiece with different diameter and figure. It can be fixed on lathe, grinder and other special equipment, with such features as high precision, easy operation, safe application, strong clamping, etc

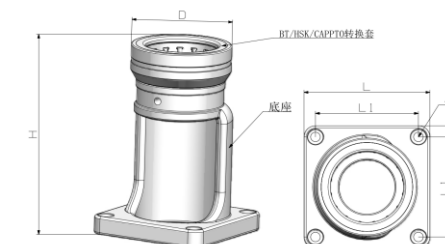
锁刀座 Locking Device

刀柄锁刀座 HORIZONTAL TOOL HOLDER DEVICE



Model	刀柄锥度Taper of Tool Holder	外形尺寸Outsize(mm)	KG
LD-BT30	BT30	205×98.5×128	3.7
LD-BT40	BT40	205×98.5×128	3.8
LD-BT50	BT50	275×150×198	11.4
LD-SK30	DIN69871.30	205×98.5×128	3.7
LD-SK40	DIN69871.40	205×98.5×128	3.8
LD-SK50	DIN69871.50	275×150×198	11.4
LD-CAT30	CAT30	205×98.5×128	3.7
LD-CAT40	CAT40	205×98.5×128	3.8
LD-CAT50	CAT50	275×150×198	11.4

刀柄锁刀座 VERTICAL HORIZONTAL TOOL HOLDER DEVICE

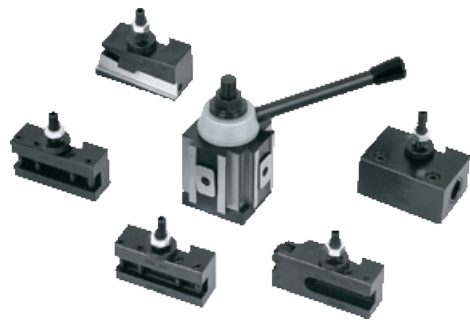


Model	D	H	L	L1	M
HSK32,C3	76	165	110	90	M8
HSK40,C4	76	165	110	90	M8
BT30	76	165	110	90	M8
HSK50,SK30,C5	76	165	110	90	M8
HSK63,BT40,C6	87	172	110	90	M8
CAT40	87	172	110	90	M8
SK40	87	172	110	90	M8
HSK80,C8	114	215	160	130	M10
SK50	124	219	160	130	M10
CAT50	124	219	160	130	M10
HSK100 BT50	124	219	160	130	M10

快换刀架

Quick Change Tool Posts

快换刀架 QUICK CHANGE TOOL POSTS



快换刀架是普通车床的主要附件,由一个刀架和若干刀夹组成,根据加工工件的需要,选择相应刀夹,可进行车外圆、车端面、切槽、切断、滚花、钻铰孔、镗孔等加工。它实现了机外装刀,刀夹通过燕尾槽安装在刀架上,具有换刀迅速,定位精度高,刚性等特点,是一种替代传统四方刀架,实现快速车削的理想产品

The quick change tool post is a main accessory of the machine tool, it consists of tool post and many kinds of tool holders, according to the processing requirements of the workpieces, corresponding tool holders are selected to finish cylindrical facing, end facing, cutting, drilling, reaming, boring as well as other processing. It realizes to mount tool outside the machine tool, it has exchange tool quickly, high precision, rigidity strong etc. It is satisfactory accessories in place of square turrets.

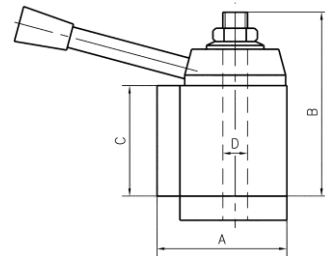
活塞式快换刀架套装: 1个刀架、5个刀夹 Piston Type Tool Post Sets: 1 Tool Post, 5 Tool-holders

Model	套装包括EACH SET INCLUDES	KG
250-100-00	250-100, 250-101, 250-102, 250-104, 250-107, 250-110	5
250-200-00	250-200, 250-201, 250-202, 250-204, 250-207, 250-210	7.85
250-300-00	250-300, 250-301, 250-302, 250-304, 250-307, 250-310	11.33
250-400-00	250-400, 250-401, 250-402, 250-404, 250-407, 250-410	20.76

楔式快换刀架套装: 1个刀架、5个刀夹 Wedge type Tool Post Sets: 1 Tool Post, 5 Tool-holders

Model	套装包括EACH SET INCLUDES	KG
250-111-00	250-111, 250-101, 250-102, 250-104, 250-107, 250-110	5
250-222-00	250-222, 250-201, 250-202, 250-204, 250-207, 250-210	7.85
250-333-00	250-333, 250-301, 250-302, 250-304, 250-307, 250-310	11.33
250-444-00	250-444, 250-401, 250-402, 250-404, 250-407, 250-410	20.76

活塞式夹紧刀架 PISTON TYPE LOCKING TOOL POST

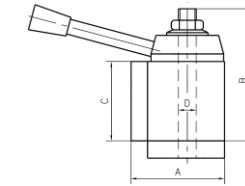


Model	A(in)	B(in)	C(in)	D(in)	回转直径Swing dia(in)	KG
250-100	2-1/2	3-7/8	2-1/4	9/16	12	2.23
250-200	3	4-5/8	2-3/4	5/8	10-15	4.00
250-300	3-3/8	5-1/8	3	3/4	13-18	5.72
250-400	4	6-1/4	3-5/8	7/8	14-20	10.00

快换刀架

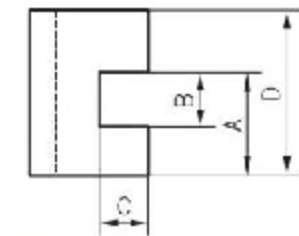
Quick Change Tool Posts

楔式快换刀架 GIB TYPE TOOL POST



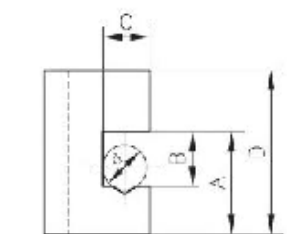
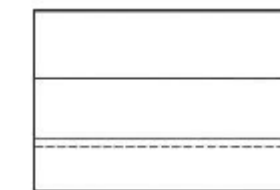
Model	A(in)	B(in)	C(in)	D(in)	回转直径Swing dia(in)	KG
250-111	2-1/2	3-7/8	2-1/4	9/16	12	2.23
250-222	3	4-5/8	2-3/4	5/8	10-15	4.00
250-333	3-1/2	5-1/8	3	3/4	13-18	5.72
250-444	4	6-1/4	3-5/8	7/8	14-20	10.01

车削刀夹 TURNING AND FACING HOLDER



Model	A(in)	B(in)	C(in)	D(in)	夹持刀柄范围Tool bit range(in)	KG
250-101	1	1/2	29/64	1-1/2	3/16-1/2	0.4
250-201	1-1/8	5/8	1/2	1-3/4	1/4-5/8	0.7
250-301	1-7/16	3/4	5/8	2-1/8	1/2-3/4	1.11
250-401	1-23/32	1	3/4	2-1/2	1/2-1	1.75

车镗削用刀夹 TURNING BORING AND FACING HOLDER

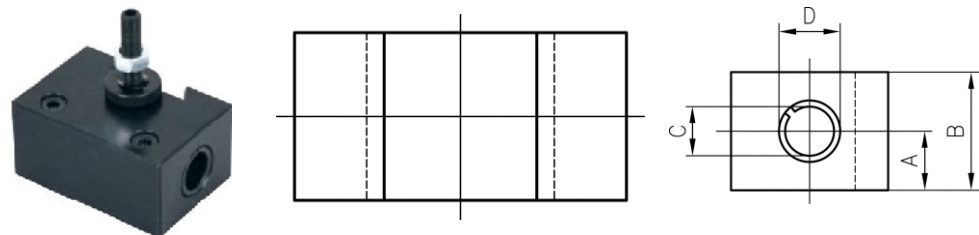


Model	A(in)	B(in)	C(in)	D(in)	夹持刀柄范围Tool bit range(in)	KG
250-102	1	1/2	29/64	1-1/2	3/16-1/2	0.4
250-202	1-1/8	5/8	1/2	1-3/4	1/4-5/8	0.7
250-302	1-7/16	3/4	5/8	2-1/8	1/2-3/4	1.11
250-402	1-23/32	1	3/4	2-1/2	1/2-1	1.75

V型槽用来夹持圆柄镗杆及刀具,也可装方体车刀,进行端面、外圆、镗孔等切削加工
V groove hold round shank boring bars and tools as well as square tool bits to machine end face, external, cutting, boring etc.

快换刀架 Quick Change Tool Posts

强力镗削刀夹 HEAVY DUTY BORING BAR HOLDER

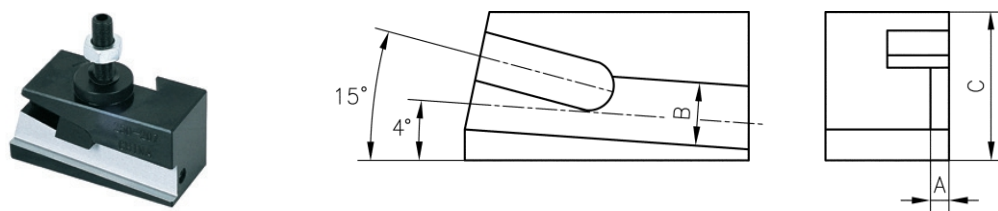


Model	A(in)	B(in)	C(in)	D(in)	KG
250-104	3/4	1-1/2	5/8	3/4	0.9
250-204	7/8	1-3/4	3/4	1	1.52
250-304	1	2	3/4	1	2.16
250-404	1-1/4	2-1/2	1	1-1/4	3.47
250-141	7/8	1-3/4	3/4	1	1.35
250-241	1	2	1	1-1/4	2.12
250-341	1-1/8	2-1/4	1	1-1/4	3.05
250-441	1-3/8	2-3/4	1-1/4	1-1/2	4.35

采用直柄钻头和圆柄刀具，可进行钻孔、扩孔、镗孔等切削加工；通过胀套，可调整镗杆的直径；刚性好，切削时不发生颤动

Use straight shank drilling and reaming, boring etc. Equipped with a split bushing to accommodate a boring bar of small diameter. It grips with extreme rigidity. Cuts smoothly without chatter.

切断刀夹 UNIVERSAL PARTING BLADE TOOL HOLDER

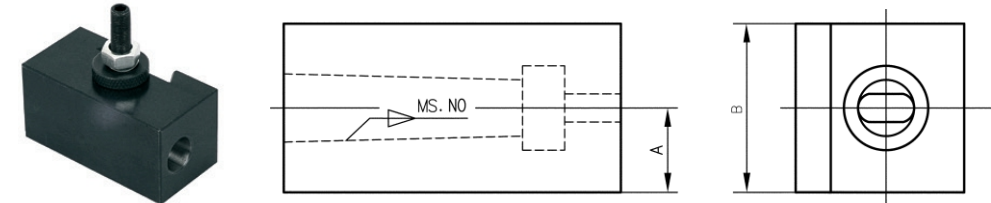


Model	A(in)	B(in)	C(in)	刀片高度Blade height(in)	KG
250-107	3/16	1/2	1-1/2	1/2	0.53
250-207	3/16	11/16	1-3/4	11/16	0.9
250-307	3/16	3/4	2	3/4	1.2
250-407	1/4	7/8	2-1/2	7/8	1.82

装方体车刀进行切槽，切断等加工 Use square tool to make slot cut off etc.

快换刀架 Quick Change Tool Posts

钻削莫氏锥孔刀夹 MORSE TAPER HOLDER FOR DRILLING

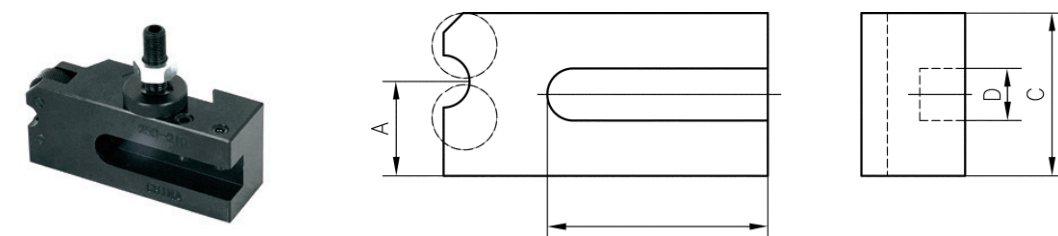


Model	A(in)	B(in)	莫氏锥号MS.NO	KG
250-105	3/4	1-1/2	MS2	0.9
250-205	7/8	1-3/4	MS2	1.4
250-305	1	2	MS3	2.3
250-405	1-1/4	2-1/2	MS3	3
250-153	7/8	1-1/2	MS3	1
250-253	1	1-3/4	Ms3	1.43
250-354	1-1/16	2-1/8	MS4	2.45
250-454	1-1/4	2-1/2	MS4	3.3

该刀夹可代替尾座夹持锥度钻头进行钻削加工

Drills with carriage by using power feed instead of tail stock easily centered or morse taper drills

滚花车削用刀夹 KNURNING & FACING HOLDER



Model	A(in)	B(in)	C(in)	夹持范围Clamping range(in)	夹持刀柄范围Tool bit range(in)	KG
250-110	7/8	2-1/2	1-9/16	3/16-1/2		0.48
250-210	1	2-5/8	1-3/4	1/4-5/8	3/4×3/8×1/4	0.85
250-310	1-3/16	3-1/8	2	1/2-3/4		1.15
250-410	1-7/16	3-3/4	2-1/2	1/2-1		1.95

此刀夹可用来滚花，如装上方体车刀，可进行端面，镗孔等切削加工

It may be used for knurning, if square tool is used, it may process end face, extered cutting, boring etc.

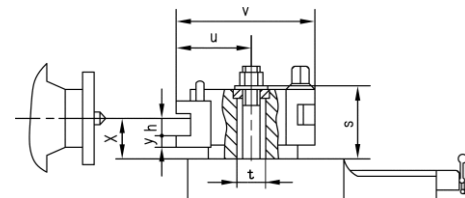
快换刀架 Quick Change Tool Posts

齿式快换刀架及刀夹

40-POSITION QUICK CHANGE TOOL POST AND TOOL HOLDERS

1. 凸轮锁紧手柄能牢固锁紧和快速松开刀夹，操作简便
2. 专用螺钉调整切削刃高度
3. 刀具可在不移动刀夹及调整套装装置的前提下重复磨削
4. 40个不同角度(每9°一工位)可从刻度上方读出
5. 可与其它品牌的40工位快换刀架及刀夹互换

1. Cam-lock handle rigidity locks & quickly releases tool holder
2. Correct height of cutting edge is easily & accurately adjusted by special set screws
3. Tools can be reground without removal form tool holder setting remains unaltered
4. 40 different angles(every 9°)are conveniently selected from position dials with marker
5. Holders are interchangeable with most other brand 40 position tool post



Model	回转直径 Lathe Swing	Xmin	Xmax	y	h	V	S	u	t
Aa	120-220	18	26	6	12	62.5	37	33.75	13
A	150-300	25.5	36.5	9.5	16	104	55	52.4	20
	150-300	29.5	40.5	9.5	20	104	55	52.4	20
E	200-400	29	40	9	20	132	68	65.3	20
	200-400	34	43	9	25	132	68	65.3	20
B	300-500	38	58	13	25	152	77	75	32
	300-500	46	57	14	32	152	77	75	32
C	400-700	47	88	15	32	191	107	92	40
	400-700	55	92	15	40	202	107	102	40
	400-700	63	91	18	45	202	107	102	40

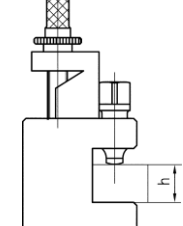
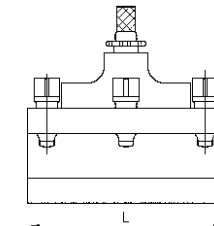
标准5件套 5-PIECE SET



Model	套装包括EACH SET INCLUDES					KG
Aa-00	1Pcs Aa, 3Pcs AaD12X50 and 1pcs AaH12X50					1.13
A-00	1Pcs A, 3Pcs AD20X90	and	1pcs	AH20X90		3.6
E-00	1Pcs E, 3Pcs ED20X100	and	1pcs	EH30X100		7.5
B-00	1Pcs B, 3Pcs BD25X120	and	1pcs	BH32X130		11.8
C-00	1Pcs B, 3Pcs BD25X120	and	1pcs	CH40X160		23.7

快换刀架 Quick Change Tool Posts

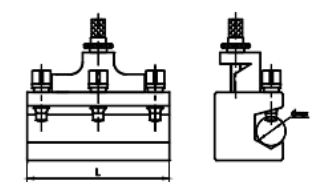
车削用刀夹 TURNING AND FACING TOOL HOLDER



Model	h(mm)	L(mm)	订单号Order No.	h(mm)	L(mm)
AaD12X50	12	50	BD25X140	25	140
AD16X75	16	75	BD32X120	32	120
AD16X90	16	90	BD32X140	32	140
AD20X75	20	75	CD32X150	32	150
AD20X90	20	90	CD32X170	32	170
ED20X100	20	100	CD40X150	40	150
ED25X100	25	100	CD40X170	40	170
BD25X120	25	120	CD45X170	45	170

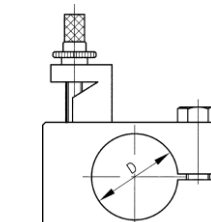
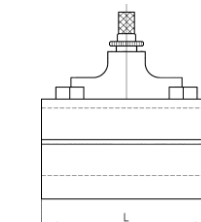
车镗削用刀夹 TURNING FACING AND BORING HOLDER

Model	L	KG
AaH12X50	12	50
AH20X90	20	90
EH30X100	30	100
BH30X130	30	130
BH32X130	32	130
CH35X150	35	150
CH40X160	40	160



V型槽用来夹持圆柄镗杆及刀具，也可装方体车刀，进行端面、外圆、镗孔等切削加工
V groove hold round shank boring bars and tools as well as square tool bits to machine end face, external, cutting, boring etc.

强力钻镗用刀夹 HEAVY DUTY DRILLING AND BORING TOOL HOLDER

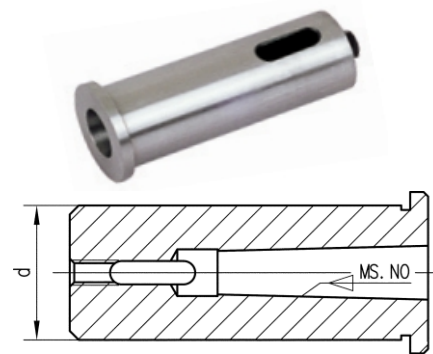


Model	镗刀杆D(mm)oring Bar Dia	L(mm)	订单号Order No.	镗刀杆D(mm)Boring Bar Dia	L(mm)
AaJ15X50	15	50	BJ40X120	40	120
AJ30X80	30	80		40	160
EJ30X100	30	100	CJ50X160	50	160
EJ40X100	40	100			



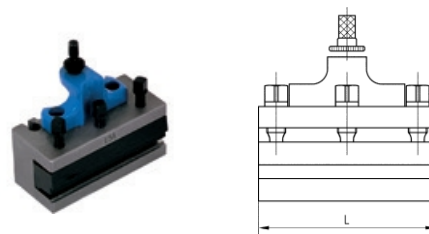
强力钻镗刀夹用莫氏套筒 MS BUSHINGS FOR BORING TOOL HOLDER

Model	d	MS.NO.	适用刀架型号Type of tool post
AL-1-30	30	MS1	A、E
AL-2-30	30	MS2	A、E
BL-1-40	40	MS1	B
BL-2-40	40	MS2	B
BL-3-40	40	MS3	B、C、E
BL-4-40	40	MS4	B、C、E
CL-3-50	50	MS3	C
CL-4-50	50	MS4	C
CL-5-50	50	MS5	C

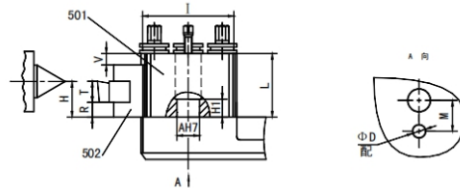
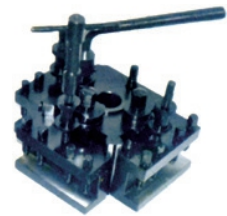


切断刀夹 CUTTING OFF TOOL HOLDER

Model	bXh	L	Model	bXh	L
AT-K3X10X75	3X10	75	BT-K4X16X120	3X10	75
ET-K4X16X100	4X16	100	CT-K5X20X150	4X16	100



意式快换刀架 QUICK CHANGE TOOL POST (ITALY STYLE)



Model	回转直径Lathe swing	l	AH7	Min	Max	L	R	Tmax	z	Φmax MorseNo.	ΦD	M	H1
M	180-250	57.7	18	24	34	45	8	16	56	14	1	7	18
AR-AP	250-300	64.5	18	25	41	56	9	16	63	16	1	8	16
A	250-350	82.0	24	32	42	60	12	20	75	18	2	10	20
BR-BP	300-380	91.6	28	38	53	75	13	25	90	20	3	10	20
B	350-500	100.0	30	47	65	85	15	32	100	24	3	12	25
C	500-650	115.3	38	51	72	94	19	32	108	26	4	14	26
D	650-1200	133	42	61	95	120	21	40	139	35	5	14	40

5件套装, 包括1个刀架、4个刀夹

5-PIECE SETS (1 Tool post, 3 Tool-holders of flat section, 1 Tool-holder with V-seat for round tools)

Model	套装包括EACH SET INCLUDES	KG
M	1PCS 501-M, 3PCS 502-M AND 1 PCS 503-M	2.89
AR-AP	1PCS 501-AR-AP, 3PCS 502-AR-AP AND 1 PCS 503-AR-AP	4.29
A	1PCS 501-A, 3PCS 502-A AND 1 PCS 503-A	8.9
BR-BP	1PCS 501-BR-BP, 3PCS 502-BR-BP AND 1 PCS 503-BR-BP	12.89
B	1PCS 501-B, 3PCS 502-B AND 1 PCS 503-B	17.26
C	1PCS 501-C, 3PCS 502-C AND 1 PCS 503-C	22.55
D	1PCS 501-D, 3PCS 502-D AND 1 PCS 503-D	44.75

QUICK CHANGE
TOOL POST
(意式刀架)



Model	中心高Centre Height	Model	中心高Centre Height
501-M	120	501-B	230
501-AR-AP	140	501-C	280
501-A	170	501-D	350
501-BR-BP	200		

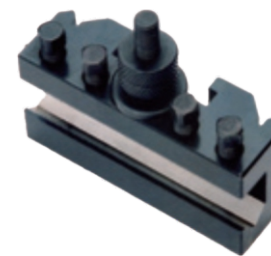


车削用刀夹 TURNING & FACING HOLDER



Model	最大刀杆尺寸Max Square and Rectangular Tools
502-M	16
502-AR-AP	16
502-A	20
502-BR-BP	25
502-B	32
502-C	32
502-D	40

车镗削用刀夹 TURNING BORING AND FACING HOLDER



Model	最大夹持直径Max Holding Dia.
503-M	14
503-AR-AP	16
503-A	18
503-BR-BP	20
503-B	24
503-C	26
503-D	35

莫氏锥孔刀夹 MORSE TAPER HOLDER FOR DRILLING



Model	莫氏锥孔Morse Taper
504-M	MT1
504-AR-AP	MT1
504-A	MT2
504-BR-BP	MT3
504-B	MT3
504-C	MT4
504-D	MT5

强力钻镗用刀夹 HEAVY DRILLING AND BORING HOLDER



Model	最大夹持直径Max Holding Dia.
540-M	18
540-AR-AP	20
540-A	25
540-BR-BP	32
540-B	40
540-C	50
540-D	60

切断刀夹 TOOL HOLDER FOR PARTING BLADES



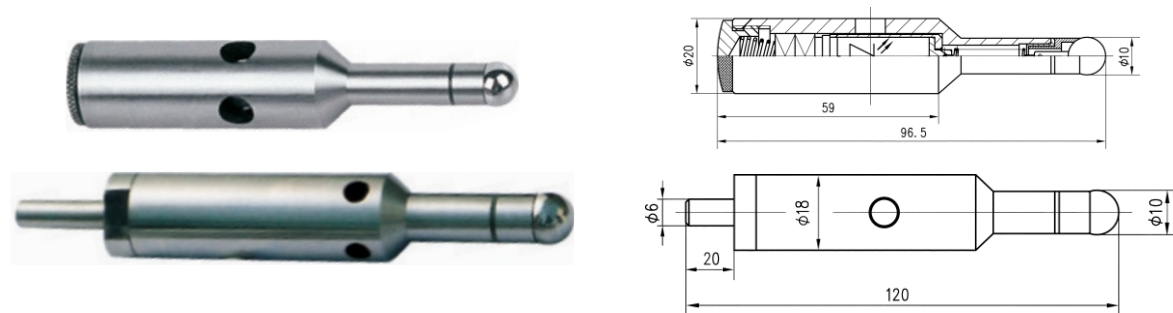
Model	刀片Parting blade
540-M	15X4X3
550-AR-AP	18X4X3
550-A	20X6X5
550-BR-BP	20X6X5
550-B	25X6X5
550-C	30X6X5
550-D	35X8X7

巡边器 Edge finder

光电式巡边器 ELECTRONIC EDGE FINDER

1. 接触时发光显示
2. 选用优质合金钢制造
3. 淬火并精密磨削
4. 同轴度0.01mm

1. Touch point LED indication
2. Manufactured from high quality alloy steel
3. Hardened and precision ground
4. Concentricity 0.01mm



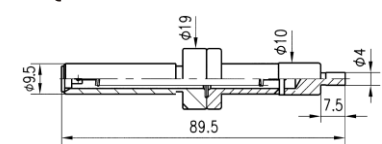
偏心式巡边器 MECHANICAL EDGE FINDER

1. 用于圆弧面,平面的找正定位
2. 选用优质钢制造
3. 使用方便
4. 找正准确, 迅速
5. 同轴度0.005mm

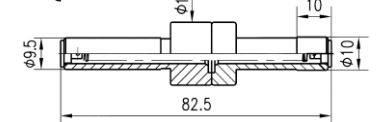
1. Mechanical edge finder for quick and easy location of round or flat work
2. Manufactured from high quality steel
3. Easy to use
4. Quick and accurate
5. Concentricity 0.005mm



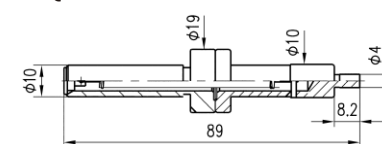
CBQ-00A



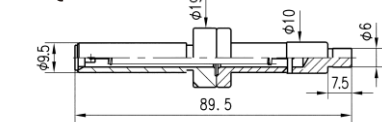
CBQ-00B



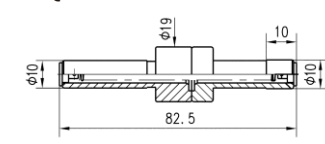
CBQ-00C



CBQ-00D

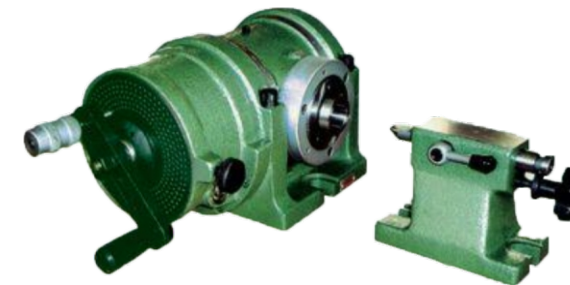


CBQ-00E



分度头 Dividing Head

FB80型、F12系列半万能分度头 FB80、F12 SERIES SEMI-UNIVERSAL DIVIDING HEAD



FB80型、F12系列半万能分度头是铣床上的主要附件之一，可用于简单分度，也可完成将圆周分成任意等份等的加工工作。
FB80型为左手把，F12系列为右手把。

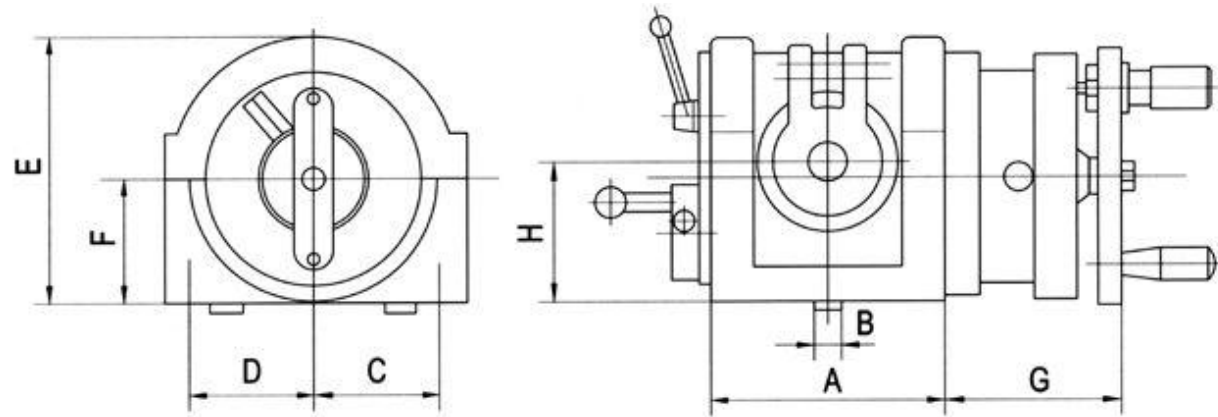
Type F12 series and FB80, the semi-universal dividing head, is one of the most important attachment for milling machine. With the help of this dividing head, the workpiece can be carried out direct indexing and simple indexing, or rotate to any angle as desired and the periphery of a workpiece can be divided into any divisions of equal parts and etc. The operation handle of type FB80 is setted on the left, the F12 series is on the right.

主要规格和参数: Main specifications

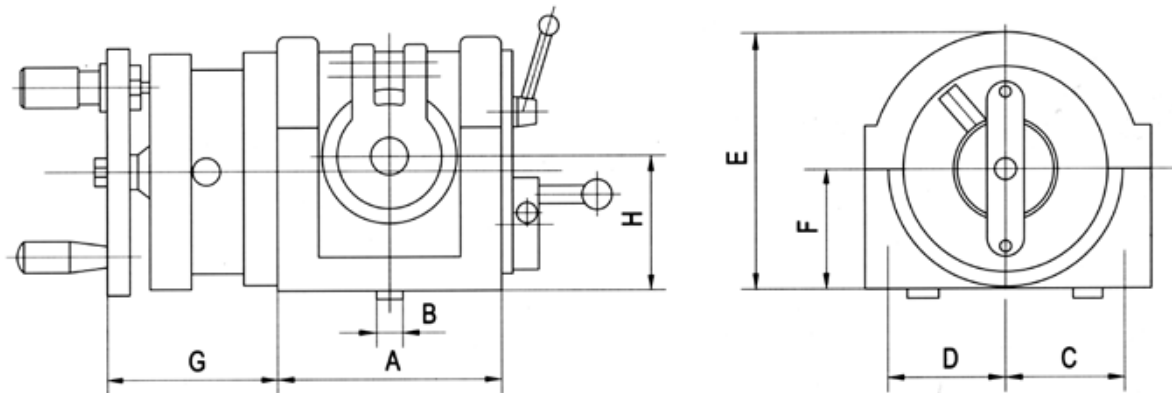
项目Items	规格Specifications	FB80	F12100B	F12125B	F12160B	F12200B	F12250B
中心高Center height mm		80	100	125	160	200	250
主轴由水平位置向上转动的角度Swivel angle of spindle from it's horizontal position(upward)		≤90°	≤95°				
主轴由水平位置向下转动的角度Hhorizontal position(downward)		≤6°	≤5°				
分度手轮每转主轴回转角度Rotating angle of spindle for one complete revolution of dividing handle		9°(540 grad.,1'each)					
游标最小示值Min.reading of vernier		10°					
蜗杆副传动比Worm gear ratio		1:40					
主轴孔锥度(莫氏)Taper of spindle bore		MS3		MS4			MS5
定位键宽度Width of locating key.mm		14		18			22
主轴法兰盘定位短锥直径Diameter of short taper of spindle nose for mounting flange mm		φ36.541	φ41.275	φ53.975			φ82.563
分度盘孔数 Hole numbers on index plate	第一面1st plate	24,25,28,30,34,37,38,39,41,42,43					
	第一面2nd plate	46,47,49,51,53,54,57,58,59,62,66					
分度手柄-整转主轴单个分度误差Individual indexing error of the spindle for one complete revolution of dividing handle		06"	±8"				
主轴在任意1/4圆周上的累积误差Cumulate error at any 1/4 periphery of spindle		07"	±1"				
最大承载Max.bearing Kg		80	100	130	130	200	200
净重Net weight Kg		26	57	83.5	100	130	370
毛重Cross weight Kg		32	69	96	114	140	380
包装尺寸Case dimensions mm		980x720x530	980x720x530	980x720x530	980x720x530	980x720x530	980x720x530

分度头 Dividing Head

◆ F12系列半万能分度头安装尺寸图 Dimensional Sketch



◆ Fb80系列半万能分度头安装尺寸图 Dimensional Sketch



◆ FB80型、F12系列半万能分度头安装尺寸 Installation sketch and dimensions:

Model	A	B	C	D	E	F	G	H
FB80	139	14	77	73	147	77	78	80
F12100B	162	14	102	87	186	95	116	100
F12125B	209	18	116	98	224	117	120	125
F12160B	209	18	116	98	259	152	120	160
F12200B	209	18	116	98	299	192	120	200
F12250B	323	22	181	145	405	240	171	250

注：配带附件 Accessories

尾架 Tailstock 千斤顶 Jack 顶尖 Center 拨叉Carrier 分度盘 Hole plate

法兰盘 Flange 三爪卡盘 3-jaw chuck 圆工作台 (特殊定货) face plate (Optional)

平行块 Parallel Block

◆ PB150 型平行块 PRECISION PARALLEL BLOCK

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

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



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

◆ Pb151 型平行块 PRECISION PARALLEL BLOCK

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

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



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

◆ Pb153 型平行块 PRECISION PARALLEL BLOCK

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

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



Model	规格L×W×H	件数Pcs
PB153-1	125×8×11(16,21,26,31,36)	24×2
	125×10×13(18,23,28,33,38)	
	125×12×15(20,25,30,35,40)	
	125×14×17(22,27,32,37,42)	
PB152-2	150×8×11(16,21,26,31,36)	24×2
	150×10×13(18,23,28,33,38)	
	150×12×15(20,25,30,35,40)	
	150×14×17(22,27,32,37,42)	

平行块 Parallel Block

◆ PB154 型平行块 PRECISION PARALLEL BLOCK

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

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



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

◆ PB155 型平行块 PRECISION PARALLEL BLOCK

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

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

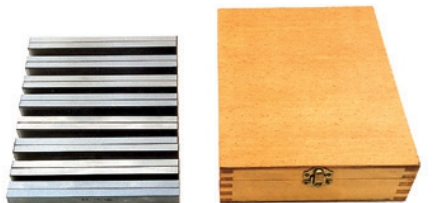


Model	规格L×W×H	件数Pcs
PB155-1	120×10×14(16,18,20,22,24,26,28,30,32,35,40)	9×2
PB155-2	150×10×14(16,18,20,22,24,26,28,30,32,35,40)	

◆ PB156 型平行块 PRECISION PARALLEL BLOCK

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

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



Model	规格L×W×H	件数Pcs
PB156-1	120X8X12(17,22,25,28,32,36,38)	8×2
PB156-2	160X8X12(17,22,25,28,32,36,38)	
PB156-3	200X8X17(22,26,28,32,36,38,42)	

◆ PB161 型平行块 PRECISION PARALLEL BLOCK

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

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



Model	规格L×W×H	件数Pcs
PB161	100×5×16, 100×6×18, 100×8×24, 100×10×30, 150×12×36, 150×14×48, 150×18×60, 150×22×62, 200×31×15×2.5(30°)	9×2

组合压板 Clamping Kits

◆ 58件套夹具 58-PC CLAMPING KIT



58件机床夹具带金属支架 每套包括:
* 6只T型槽螺母
* 6只法兰螺母
* 4只连接螺母
* 6块阶梯压板
* 12块阶梯垫铁
* 24根双端螺栓, 长度为3"、4"、5"、6"、7"、8"各4根
58-PC Clamping kit with metal holder Each set contains
* 6-T-Slot nuts
* 6-Flange nuts
* 4-Coupling nuts
* 6-Step clamps
* 12-Step blocks
* 24 Studs 4 ea. 3"、4"、5"、6"、7"、8"length

小型器具 Compact Machine

◆ 热缩机 Shrink Fit Heating Machine

输出电源: SINGLE-PHASE 220V 50V60HZ25AMP【16AMP(ST500/450)】
output power supply:SINGLE-PHASE 220V 50/60HZ25AMP【16AMP(ST-500/450)】

瞬间输出最大功率: 4000W/2500W/1000W(可调)【3000W/2000W/1000W(可调)ST-500/450】
Instantaneous output maximum power:4000W/2500W/1000W (adjustable)
【3000W/2000W/1000W (adjustable)ST-500/450】

机体尺寸: 550mm(W), 500mm(D),850mm(H)
Body size:550mm(W) , 500mm(D), 850mm(H)

建议使用范围: ST-550φ3-φ32mm/ST-450φ3-φ20mmφ3-φ20mm
ecomended range of use:ST-55 φ3-φ32m/ST-450 φ3-φ20mm

加热刀杆: 不锈钢材质、合金钢材质R
Heating tool bar:stainless steel,alloy steel material R



- 合金钢、不锈钢材质通用
- Alloy steel,stainless steel universal material
- 加热速度快, 最快仅需5秒(ST-500加热速度6秒)
- Fast heating speed,the fastest only 5 seconds (ST-500 heating speed 6seconds)
- 机器稳定性好
- Good machine stability
- 无需更换加热导环
- No need to replace the heating guide ring
- 可直接加热中3-32mm内径

小型器具 Compact Machine

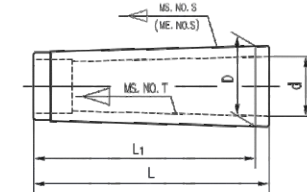
热缩机ST-550/500/450 Shrink Fit Heating Machine



Model	ST-450	ST-500	ST-550
电源	220V/50Hz(16A)2.5平方 三芯电缆线	220V/50Hz(16A)2.5平方 三芯电缆线	220V/50Hz(25A)4平方 三芯电缆线
功率	3000W/2000W/1000W(可调)	3000W/2000W/1000W(可调)	4000W/2500W/1000W(可调)
气体压力范围	0~0.7Mpa(0~7.0Bar)	0~0.7Mpa(0~7.0Bar)	0~0.7Mpa(0~7.0Bar)
建议使用 气管直径	8mm	8mm	8mm
加热材质	合金钢、不锈钢通用(SYAT、 德国翰默、MST等)	合金钢、不锈钢通用(SYAT、 德国翰默、MST等)	合金钢、不锈钢通用(SYAT、 德国翰默、MST等)
加热范围	3~20mm	3~32mm	3~32mm
使用环境温度	-10°~50°	-10°~50°	-10°~50°
外型尺寸	550×500×850mm	550×500×850mm	550×500×850mm
机器重量	40±1Kg	40±1Kg	40±1Kg
保修时间	12个月	12个月	18个月
可选颜色	黑色、白色(可选)	黑色、白色(可选)	黑色、白色(可选)

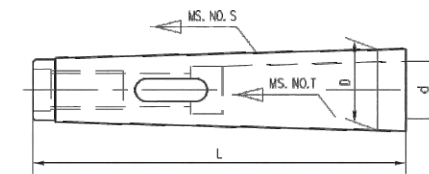
变径套系列 Sleeve Series

273型变径套 273MORSE TAPER SLEEVES



订单号 Order No.	MS. NO. S ME. NO. S	MS. NO. T	L (mm)	L1 (mm)	D (mm)	d (mm)
273—20 / 10	MS2	1	60	56	17.780	12.065
273—30 / 10	MS3	2	70	66	23.825	17.780
273—40 / 20	MS4	3	77	63.5	31.267	23.825
273—50 / 20	MS5	2	77	70.5	44.399	17.780
273—50 / 30	MS5	3	77	70.5	44.399	23.825
273—50 / 40	MS5	4	77	70.5	44.399	31.267
273—60 / 30	MS6	3	110	103.5	63.348	23.825
273—60 / 40	MS6	4	110	103.5	63.348	31.267
273—60 / 50	MS6	5	110	103.5	63.348	44.399
273—04 / 30	ME40	3	70	66	40	23.825
273—04 / 40	ME40	4	70	66	40	31.267
273—05 / 30	ME50	3	86	80	50	23.825
273—05 / 40	ME50	4	86	80	50	31.267
273—05 / 50	ME50	5	86	80	50	44.399
273—06 / 40	ME60	4	100	95	60	31.267
273—06 / 50	ME60	5	100	95	60	44.399
273—07 / 40	ME70	4	110	105	70	31.267
273—07 / 50	ME70	5	110	105	70	44.399
273—08 / 40	ME80	4	120	115	80	31.267
273—08 / 50	ME80	5	120	115	80	44.399
273—08 / 60	ME80	6	120	115	80	63.348
273—09 / 50	ME90	5	120	115	90	44.399
273—09 / 60	ME90	6	120	115	90	63.348

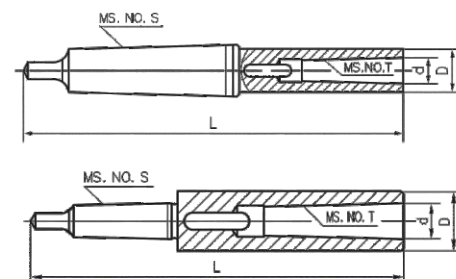
莫氏变径套(拉杆型) MORSE TAPER SLEEVES (DRWBR TYPE)



订单号 Order No.	MS. NO. S	MS. NO. T	D (mm)	d (mm)	L (mm)	精度 Accuracy (mm)
BM2—1	2	1	17.780	12.065	108.5	0.01
BM3—1	3	1	23.825	12.065	106	
BM3—2	3	2	23.825	17.780	116	
BM4—1	4	1	31.267	12.065	110	
BM4—2	4	2	31.267	17.780	120	
BM4—3	4	3	31.267	23.825	140	0.02
BM5—1	5	1	44.399	12.065	136	
BM5—2	5	2	44.399	17.780	136	
BM5—3	5	3	44.399	23.825	148	
BM5—4	5	4	44.399	31.267	176	

变径套系列 Sleeve Series

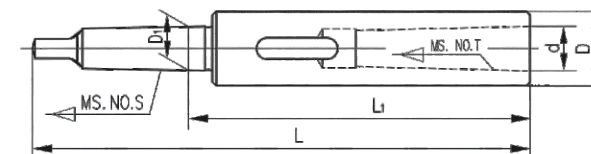
◆ DIN2187加长变径套 EXTENSION SOCKET WITH MS.HOLE



订单号 Order No.	MS.NO.S	MS.NO.T	D(mm)	d(mm)	L(mm)	重量 Wt(kg)	精度 Accuracy (mm)
BL1-1	1	1	20	12.065	145	0.19	0.03
BL1-2		2	30	17.780	160	0.40	
BL1-3		3	36	23.825	181	0.40	
BL2-1	2	1	20	12.065	160	0.29	
BL2-2		2	30	17.780	175	0.50	
BL2-3		3	36	23.825	196	0.60	
BL2-4		4	48	31.267	221	1.43	
BL3-1	3	1	20	12.065	175	0.41	
BL3-2		2	30	17.780	194	0.62	
BL3-3		3	36	23.825	215	0.89	
BL3-3A		3	40	23.825	215	1.10	
BL3-4		4	48	31.267	240	1.55	
BL3-5	4	5	63	44.399	275	2.80	
BL4-1		1	20	12.065	200	0.81	0.05
BL4-2		2	30	17.780	215	1.00	
BL4-3		3	36	23.825	240	1.27	
BL4-4		4	48	31.267	265	1.93	
BL4-5		5	63	44.399	300	3.18	
BL4-6		6	85	63.343	368	6.50	
BL5-1	5	1	20	12.065	232	1.79	0.04
BL5-2		2	30	17.780	247	2.00	
BL5-3		3	36	23.825	268	2.27	
BL5-4		4	48	31.267	300	2.93	
BL5-5		5	63	44.399	335	4.18	
BL5-6	6	6	85	63.343	403	6.70	0.05
BL6-1		1	20	12.065	294	4.40	0.04
BL6-2		2	30	17.780	309	4.25	
BL6-3		3	36	23.825	330	4.52	
BL6-4		4	48	31.267	355	5.18	
BL6-5		5	63	44.399	390	6.43	

变径套系列 Sleeve Series

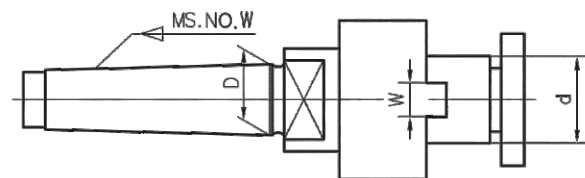
◆ DIN1730特加长变径套 EXTENSION SOCKET WITH MS.HOLE



订单号 Order No.	MS.NO.S	MS.NO.T	L(mm)	L1(mm)	D(mm)	d(mm)	D1(mm)
BLA-1/1-175	1	1	175	113	19	12.065	12.065
BLA-1/1-200			200	138	20		
BLA-1/1-250			250	188			
BLA-1/1-300			300	238			
BLA-1/1-350			350	288			
BLA-1/1-400			400	338			
BLA-1/1-450			450	388			
BLA-1/1-500			500	438			
BLA-2/1-215			2	1	215		
BLA-2/1-332	332	257					
BLA-2/2-200	200	125			25	17.780	17.780
BLA-2/2-225	225	150					
BLA-2/2-250	250	175					
BLA-2/2-300	300	225					
BLA-2/2-350	350	275					
BLA-2/2-400	400	325					
BLA-2/2-450	450	375					
BLA-2/2-500	500	425					
BLA-2/2-600	600	525					
BLA-2/3-300	3	300		225	34	23.825	
BLA-3/2-254	3	2		254	160	25	17.780
BLA-3/2-300			300	206			
BLA-3/2-320			320	226			
BLA-3/2-354			354	260	30		
BLA-3/2-415			415	321	25		
BLA-3/2-704			704	610			

变径套系列 Sleeve Series

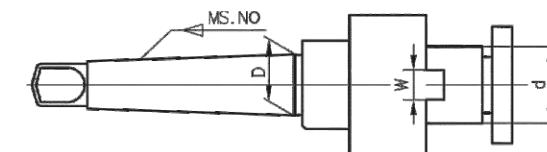
◆ 莫氏锥柄套式铣刀杆(拉杆型)MORSE TAPER SHELL END MILL ARBORS (DRAW BARTYPE)



订单号 Order No.	D(mm)	d(in)	W(mm)	订单号 Order No.	D(mm)	d(mm)	W(mm)
SD/MS2W-1/2	17.780	1/2	6.35	SD/MS2W-13	17.780	13	8
SD/MS2W-5/8		5/8	7.14	SD/MS2W-16		16	8
SD/MS2W-3/4		3/4	7.94	SD/MS2W-22		22	10
SD/MS2W-7/8		7/8	8.70	SD/MS2W-27		27	12
SD/MS3W-1/2	23.825	1/2	6.35	SD/MS3W-13	23.825	13	8
SD/MS3W-5/8		5/8	7.14	SD/MS3W-16		16	
SD/MS3W-3/4		3/4	7.94	SD/MS3W-22		22	10
SD/MS3W-7/8		7/8	8.70	SD/MS3W-27		27	12
SD/MS3W-1		1	9.53	SD/MS3W-32		32	14
SD/MS3W-1-1/4		1-1/4	12.70	SD/MS3W-40		40	16
SD/MS4W-1/2	31.267	1/2	6.35	SD/MS4W-13	31.267	13	8
SD/MS4W-5/8		5/8	7.14	SD/MS4W-16		16	
SD/MS4W-3/4		3/4	7.94	SD/MS4W-22		22	10
SD/MS4W-7/8		7/8	8.70	SD/MS4W-27		27	12
SD/MS4W-1		1	9.53	SD/MS4W-32		32	14
SD/MS4W-1-1/4		1-1/4	12.70	SD/MS4W-40		40	16
SD/MS4W-1-1/2		1-1/2	15.88	SD/MS4W-50		50	18
SD/MS5W-1/2	44.399	1/2	6.35	SD/MS5W-16	44.399	16	8
SD/MS5W-5/8		5/8	7.14	SD/MS5W-22		22	10
SD/MS5W-3/4		3/4	7.94	SD/MS5W-27		27	12
SD/MS5W-7/8		7/8	8.70	SD/MS5W-32		32	14
SD/MS5W-1		1	9.53	SD/MS5W-40		40	16
SD/MS5W-1-1/4		1-1/4	12.70	SD/MS5W-50		50	18
SD/MS5W-1-1/2		1-1/2	15.88	SD/MS5W-60		60	20
SD/MS5W-2		2	19.05				

变径套系列 Sleeve Series

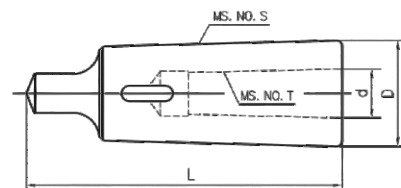
◆ 莫氏锥柄套式铣刀杆(扁尾型)MORSE TAPER SHELL END MILL ARBORS (TANG TYPE)



订单号 Order No.	D(mm)	d(in)	W(mm)	订单号 Order No.	D(mm)	d(mm)	W(mm)
SD/MS2-1/2	17.780	1/2	6.35	SD/MS2-13	17.780	13	8
SD/MS2-5/8		5/8	7.14	SD/MS2-16		16	8
SD/MS2-3/4		3/4	7.94	SD/MS2-22		22	10
SD/MS2-7/8		7/8	8.70	SD/MS2-27		27	12
SD/MS3-1/2	23.825	1/2	6.35	SD/MS3-13	23.825	13	8
SD/MS3-5/8		5/8	7.14	SD/MS3-16		16	
SD/MS3-3/4		3/4	7.94	SD/MS3-22		22	10
SD/MS3-7/8		7/8	8.70	SD/MS3-27		27	12
SD/MS3-1		1	9.53	SD/MS3-32		32	14
SD/MS3-1-1/4		1-1/4	12.70	SD/MS3-40		40	16
SD/MS4-1/2	31.267	1/2	6.35	SD/MS4-13	31.267	13	8
SD/MS4-5/8		5/8	7.14	SD/MS4-16		16	
SD/MS4-3/4		3/4	7.94	SD/MS4-22		22	10
SD/MS4-7/8		7/8	8.70	SD/MS4-27		27	12
SD/MS4-1		1	9.53	SD/MS4-32		32	14
SD/MS4-1-1/4		1-1/4	12.70	SD/MS4-40		40	16
SD/MS4-1-1/2		1-1/2	15.88	SD/MS4-50		50	18
SD/MS5-1/2	44.399	1/2	6.35	SD/MS5-16	44.399	16	8
SD/MS5-5/8		5/8	7.14	SD/MS5-22		22	10
SD/MS5-3/4		3/4	7.94	SD/MS5-27		27	12
SD/MS5-7/8		7/8	8.70	SD/MS5-32		32	14
SD/MS5-1		1	9.53	SD/MS5-40		40	16
SD/MS5-1-1/4		1-1/4	12.70	SD/MS5-50		50	18
SD/MS5-1-1/2		1-1/2	15.88	SD/MS5-60		60	20
SD/MS5-2		2	19.05				

变径套系列 Sleeve Series

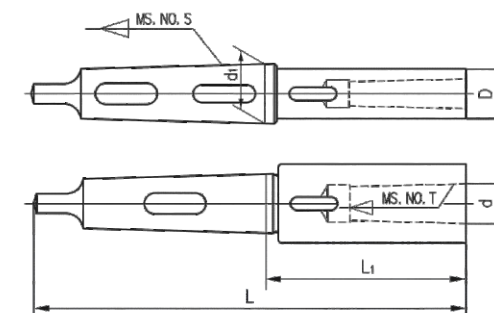
◆ DIN2185 莫氏变径套 MORSE TAPER SLEEVES



订单号 Order No.	MS.NO.S	MS.NO.T	D(mm)	d(mm)	L(mm)	重量 Wt (kg)	精度 Accuracy(mm)
B1-0	1	0	13	9.045	80	0.10	0.015
B2-1	2	1	18.6	12.065	92	0.10	
B3-1	3		24.1		99	0.24	
B3-2		2	24.7	17.780	112	0.12	
B4-1	4	1	31.6	12.065	124	0.60	
B4-2		2		17.780		0.50	
B4-3		3	32.4	23.825	140	0.38	
B5-1	5	1	44.7	12.065	156	1.59	0.020
B5-2		2		17.780		1.49	
B5-3		3		23.825		1.36	
B5-4		4	45.5	31.267	171	0.95	
B6-1	6	1	63.8	12.065	218	3.84	
B6-2		2		17.780		3.73	
B6-3		3		23.825		3.85	
B6-4		4		31.267		3.12	
B6-5		5		44.399		1.95	

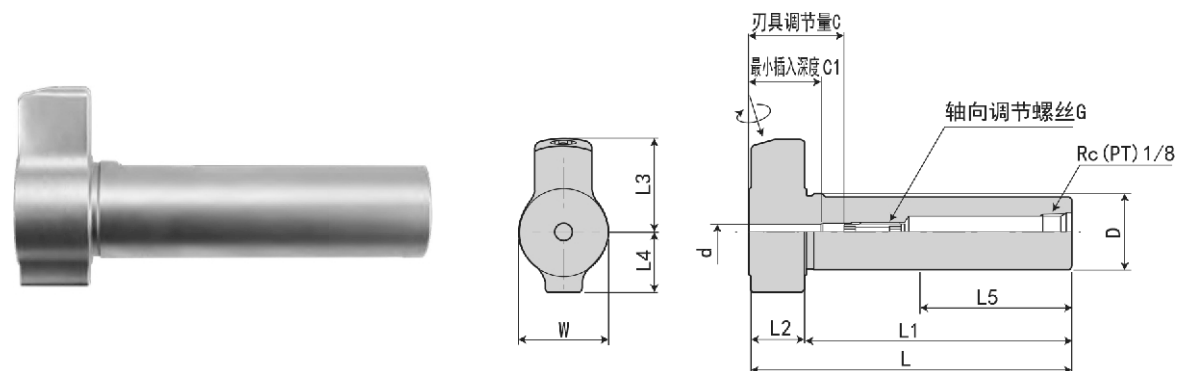
变径套系列 Sleeve Series

◆ DIN1806变径套 DIN1806 MORSE TAPER SLEEVES



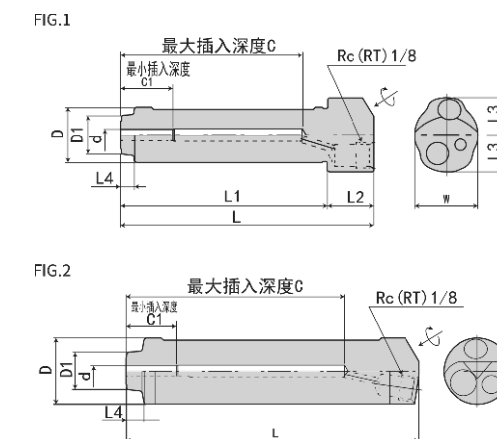
订单号 Order No.	MS. NO. S	MS. NO. T	L(mm)	L1(mm)	D(mm)	d(mm)	d1	精度 (mm) Accuracy
BLC-3×1-81	3	1	175	81	20	12.065	23.825	0.03
BLC-3×2-100		2	194	100	30	17.780		
BLC-3×2-406		2	500	406	30	17.780		0.04
BLC-3×3-121		3	215	121	36	23.825		0.03
BLC-3×3-206		3	300	206	36	23.825		0.04
BLC-4×2-97.5	4	2	215	97.5	30	17.780	31.267	0.03
BLC-4×3-122.5		3	240	122.5	36	23.825		
BLC-4×4-147.5		4	265	147.5	48	31.267		
BLC-5×2-97.5	5	2	247	97.5	30	17.780	44.399	0.04
BLC-5×3-118.5		3	268	118.5	36	23.825		
BLC-5×4-150.5		4	300	150.5	48	31.267		
BLC-5×5-185.5		5	335	185.5	63	44.399		
BLC-5×6-246.5		6	396	246.5	85	63.348		0.05
BLC-6×4-145	6	4	355	145	48	31.267	63.348	0.04
BLC-6×5-180		5	390	180	63	44.399		
BLC-6×6-250		6	460	250	85	63.348		0.05

走心机系列 Swiss Lathe Series



型号 Model	L	L1	L2	L3	L4	W	D	d	最大插入深度C MAX	最少插入深度C MIN	KG
SL19.05-HDC 3-60*	75	60	15	24.5	15.8	22	19.05	3	20-32	16	0.18
-HDC3.175-60*	75	60	15	24.5	15.8	22	19.05	3.175	20-32	16	0.18
-HDC 4-60	75	60	15	24.5	15.8	22	19.05	4	23-32	19	0.18
-HDC 6-60	75	60	15	24.5	15.8	22	19.05	6	31-48	25	0.18
-HDC 8-60X	75	60	15	25.5	15.8	22	19.05	8	65	31	0.17
SL20-HDC 3-70*	85	70	15	24.5	15.8	23	20	3	20-32	16	0.22
-HDC 4-70	85	70	15	24.5	15.8	23	20	4	23-32	19	0.22
-HDC 6-70	85	70	15	24.5	15.8	23	20	6	31-48	25	0.22
-HDC 8-70X	85	70	15	25.5	15.8	23	20	8	75	31	0.21
SL22-HDC 3-70*	85	70	15	24.5	15.8	25	22	3	20-32	16	0.26
-HDC 4-70	85	70	15	24.5	15.8	25	22	4	23-32	19	0.26
HDC 6-70X	85	70	15	24.5	15.8	25	22	6	75	25	0.26
-HDC 8-70X	85	70	15	25.5	15.8	25	22	8	75	31	0.25
-HDC10-70X	85	70	15	27	16.8	25	22	10	70	33	0.24
SL25-HDC 3-65*	80	65	15	23	14	28	25	3	20-32	16	0.31
-HDC 4-65	80	65	15	23	14	28	25	4	23-32	19	0.31
-HDC 6-65	80	65	15	24.5	15	28	25	6	31-48	25	0.31
-HDC 8-65X	80	65	15	25.5	16	28	25	8	70	31	0.31
-HDC10-65X	80	65	15	27	17	28	25	10	65	33	0.29
-HDC12-65X	80	65	15	28	18	28	25	12	65	36	0.28
SL25.4-HDC 3-80*	95	80	15	23	14	28	25.4	3	20-32	16	0.37
-HDC 4-80	95	80	15	23	14	28	25.4	4	23-32	19	0.37
-HDC 6-80	95	80	15	24.5	15	28	25.4	6	31-48	25	0.37
-HDC 8-80X	95	80	15	25.5	16	28	25.4	8	85	31	0.37
-HDC10-80X	95	80	15	27	17	28	25.4	10	80	33	0.35
-HDC12-80X	95	80	15	28	18	28	25.4	12	80	36	0.33

走心机系列 Swiss Lathe Series



型号 Model	L	L1	L2	L3	L4	W	D	D1	d	最大插入深度C MAX	最少插入深度C MIN	FIG	KG
SL19.05-HDC 3-85*	102	85	17	13.5	5	22	19.05	14	3	76	16	1	0.24
-HDC3.175-85*	102	85	17	13.5	5	22	19.05	14	3.175	76	16	1	0.24
-HDC 4-85	102	85	17	13.5		22	19.05	14	4	76	19	1	0.24
-HDC 6-80	97	80	17	13.5		22	19.05		6	71	25	1	0.22
-HDC 8-80	97	80	17	13.5		22	19.05			71	31	1	0.21
SL20-HDC 3-75*	92	75	17	13.5	5	23	20	14	3	66	16	1	0.24
-HDC 4-75	92	75	17	13.5	5	23	20	14		66	19	1	0.24
-HDC 6-70	87	70	17	13.5		23	20		6	61	25	1	0.22
-HDC 8-70	87	70	17	13.5		23	20			61	31	1	0.21
SL22-HDC 3-75*	92	75	17	13.5	5	25	22	14	3	66	16	1	0.28
-HDC 4-75	92	75	17	13.5		25	22	14		66	19	1	0.28
HDC 6-70	87	70	17	13.5		25	22		6	61	25	1	0.26
-HDC 8-70	87	70	17	13.5		25	22		8	61	31	1	0.25
-HDC10-70	87	70	17	13.5		25	22		10	61	33	1	0.22
SL25-HDC 3-110*	110				7	25	14	3		82	16	2	0.37
-HDC 4-110	110				7	25	14			82	19	2	0.37
-HDC 6-105	105				3	25	14	6		77	25	2	0.34
-HDC 8-100	100				3	25	17	8		72	31	2	0.31
-HDC10-95	95					25		10		67	33	2	0.28
-HDC12-90	90					25		12		61	36	2	0.24
SL25.4-HDC 3-105*	105				7	25.4	14	3		77	16	2	0.36
-HDC 4-105	105				7	25.4	14	4		77	19	2	0.36
-HDC 6-100	100				3	25.4	14	6		72	25	2	0.34
-HDC 8-95	95				3	25.4	17	8		67	31	2	0.3
-HDC10-90	90					25.4		10		62	33	2	0.27
-HDC12-85	85					25.4		12		56	36	2	0.24

模块化快换夹持系统

Modular quick-change clamping system



模块化工装

Modular tooling

DXQK-75100



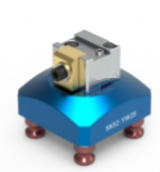
DXQK-75150



SK52-32



SK52-YW25



节省换装时间

数秒内即可高精度更换夹持工具，固定装置和工件

模块化

可组合零点工装种类繁多，可随时扩展

简便性

通过拧紧螺钉或快速释放紧固件进行机械夹持

Save time when changing clothes

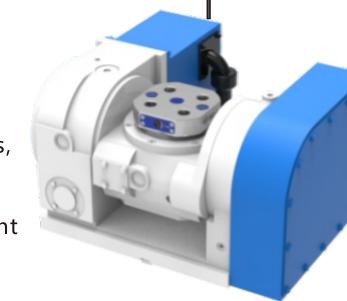
High-precision replacement of clamping tools, fixtures and workpieces in seconds

Modular

There are many kinds of combinable zero-point tooling, which can be expanded at any time.

Simplicity

Mechanical clamping by tightening screws or quick release fasteners



作为机床工作台和夹紧装置之间的接口，NBD的零点快换系统具有多种变换。它可以在3轴，4轴工作台和第5轴的立式和卧式加工中心中普遍使用。

As the interface between the machine tool table and the clamping device, NBD's zero-point quickchange system has a variety of transformations. It can be universally used in vertical and horizontal machining centers with 3-axis, 4-axis tables and 5th axis.

DXQK-130250



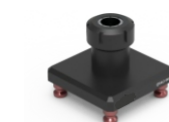
DXQK-130155



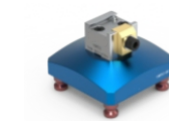
SK96-D125



SK96-40



SK96-YW50



模块化工装 Modular tooling

优化您的工作台，提升效率

增加机床自身的夹持工位,从而提升加工能力, 尽可能减少停机时间。

优化程序

便于刀具更大限度的接触工件,减少换刀时间。

优化换装时间

数秒内即可高精度更换夹持工具, 固定装置和工件。

Optimize your workbench and increase efficiency

Increase the clamping station of the machine tool itself to improve processing capabilities.

Minimize downtime as much as possible.

Optimizer

This facilitates the tool to reach the workpiece to a greater extent and reduces tool changing time.

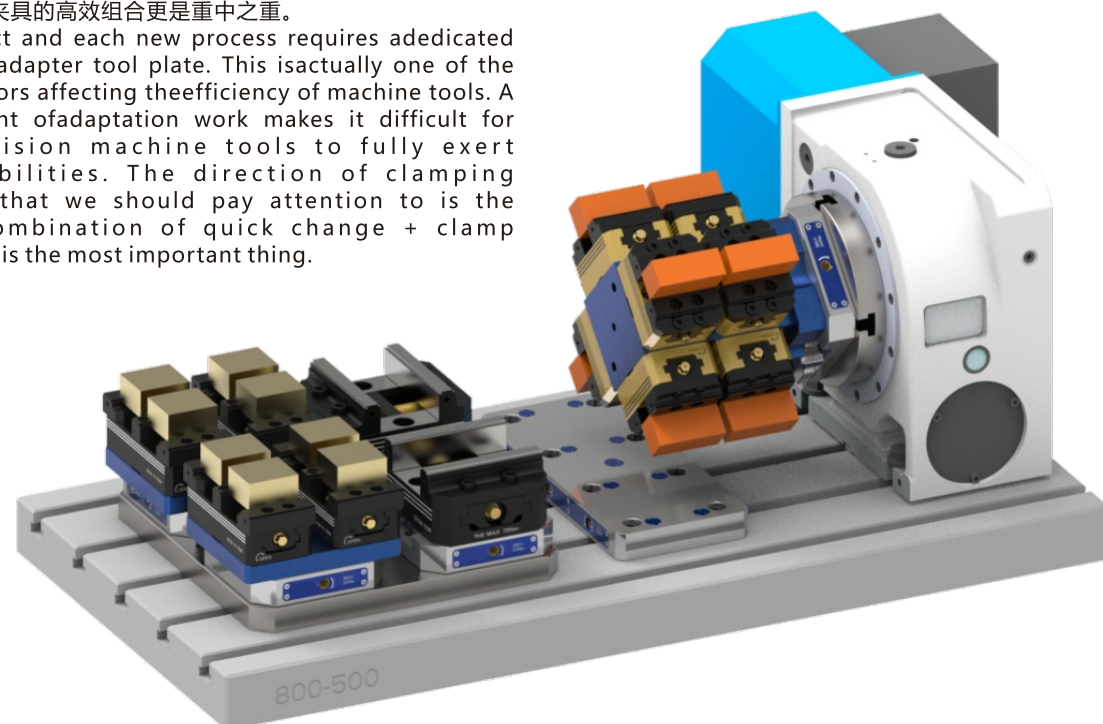
Optimize change time

Clamping tools, fixtures and workpieces can be changed with high precision within seconds.

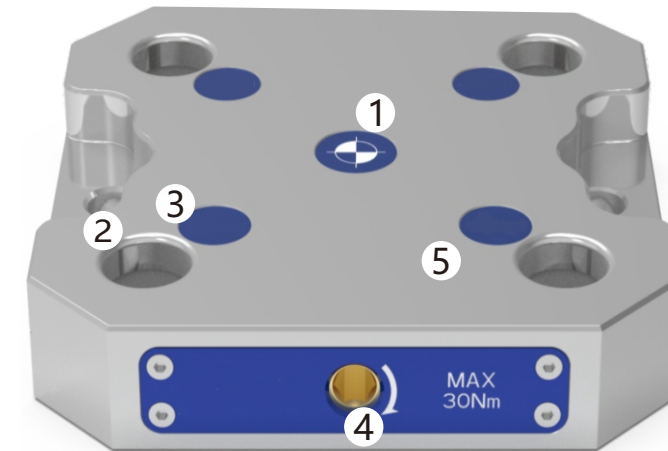


每个产品、每一个新工序都需要设置专用的夹具和适配工具板, 这个其实才是影响机床效率的最大原因之一, 大量的适配工作使得高精度的机床难以发挥完全的能力。我们应该关注的夹持技术方向, 快换+夹具的高效组合更是重中之重。

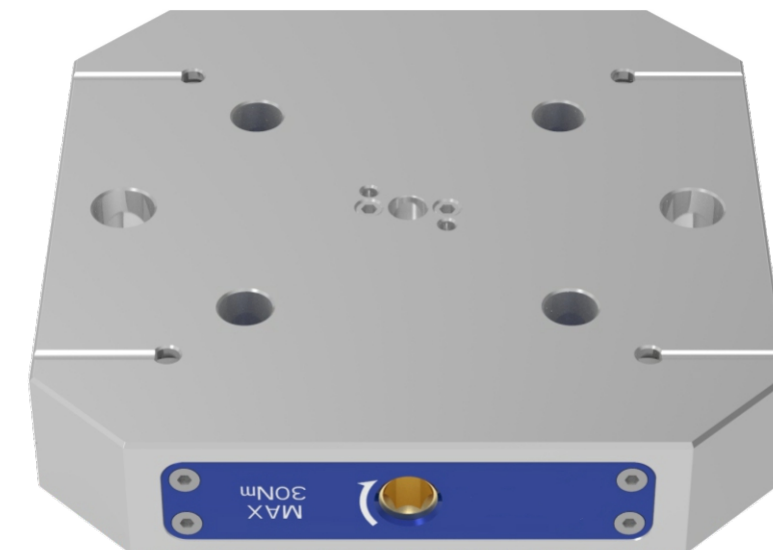
Each product and each new process requires a dedicated fixture and adapter tool plate. This is actually one of the biggest factors affecting the efficiency of machine tools. A large amount of adaptation work makes it difficult for high-precision machine tools to fully exert their capabilities. The direction of clamping technology that we should pay attention to is the efficient combination of quick change + clamp. Cooperation is the most important thing.



四孔定位器 Modular tooling



- ① 一体化效准孔减少误差50%
The integrated accurate hole reduces the error by 50%
- ② 高精度, <0.005 MM重复精度
High precision, <0.005 MM repeatability
- ③ 安装孔的盖盘
Cover plate for mounting holes
- ④ 使用一个驱动螺钉快速锁紧固件
Use a drive screw to quickly lock the fastener
- ⑤ 高刚性、不锈钢硬化和研磨制成
High rigidity, made of stainless steel hardened and ground
- ⑥ 高度为30MM 紧凑设计
Height 30MM compact design

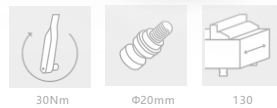
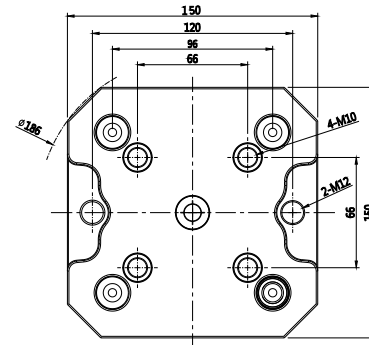
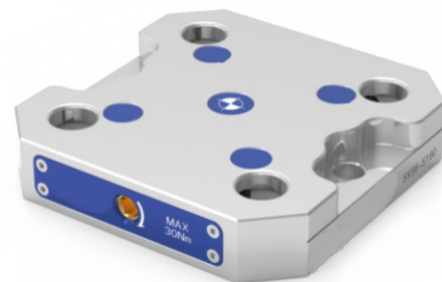


- ⑦ Φ8H7配件也可用于同心对准, 中心螺钉
Φ8H7 accessories are also available for concentric alignment, center screws
- ⑧ 冷却液排水口
Coolant drain
- ⑨ 多功能固定螺丝
multifunctional fixing screws

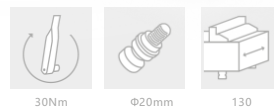
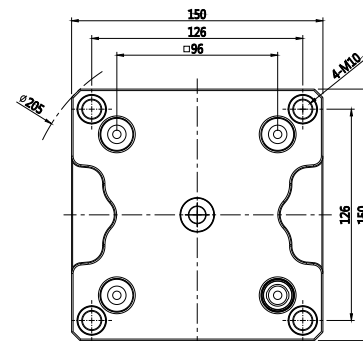


四孔定位器 Modular tooling

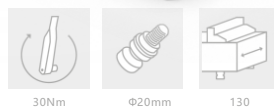
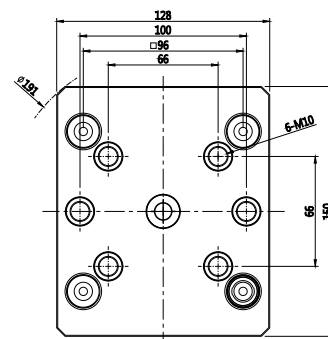
SK96-S190



SK96-S205

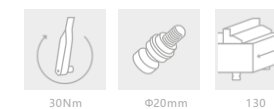
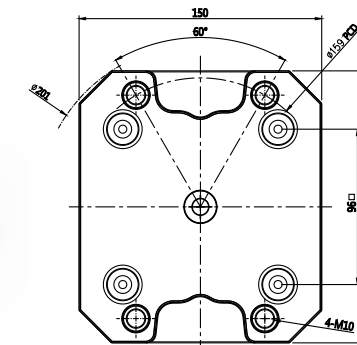
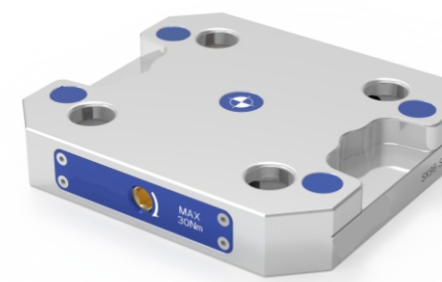


SK96-S195



四孔定位器 Modular tooling

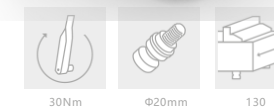
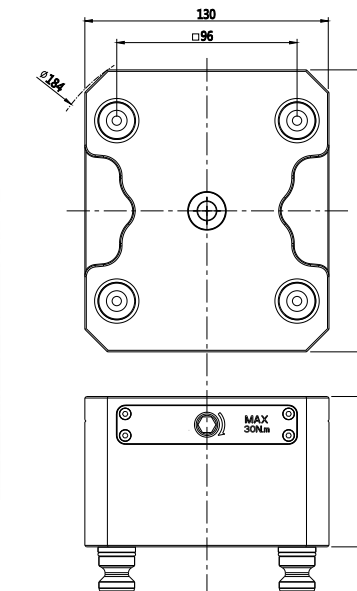
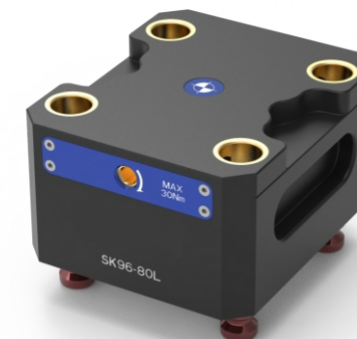
SK96-S200



描述 Describe

尺寸: 168×150×30mm
重复定位: 0.005mm
锁紧力: 22KN (4个螺栓)
材质: 硬化不锈钢
重量: 4.7Kg
Size: 168×150×30mm
Repeat positioning: 0.005mm
Locking force: 22KN (4 bolts)
Material: Hardened stainless steel
Weight: 4.7Kg

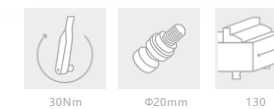
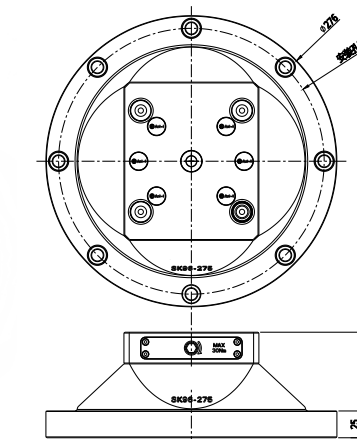
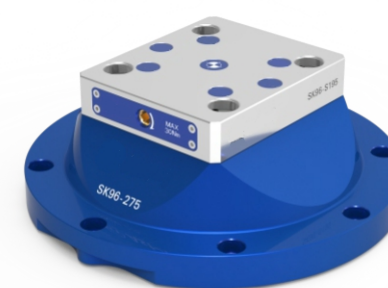
SK96-80L



描述 Describe

尺寸: 130×150×104mm
重复定位: 0.005mm
锁紧力: 22KN (4个螺栓)
材质: 硬化钢+防腐保护
重量: 7.9Kg
Size: 130×150×104mm
Repeat positioning: 0.005mm
Locking force: 22KN (4bolts)
Material: Hardened steel+anti-corrosion protection
Weight: 7.9Kg

SK96-275

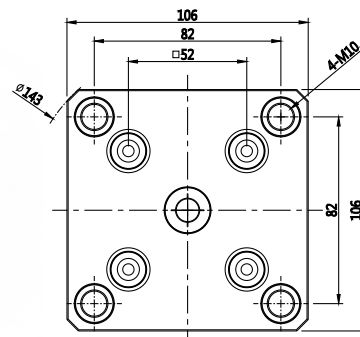


描述 Describe

尺寸: Ø275×100
重复定位: 0.005mm
锁紧力: 22KN (4个螺栓)
材质: 铝+硬化不锈钢
重量: 9.0Kg
安装孔: 订制
Size: Ø275×100
Repeat positioning: 0.005mm
Locking force: 22KN (4 bolts)
Material: Aluminum + Hardened Stainless Steel
Weight: 9.0Kg
Mounting holes: customized.

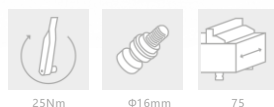
四孔定位器 Modular tooling

SK52-S145

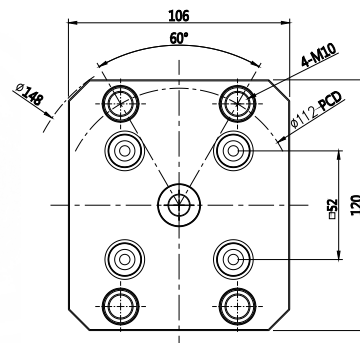


描述 Describe

尺寸: 106×106×25mm
重复定位: 0.005mm
锁紧力: 18KN (4个螺栓)
材质: 硬化不锈钢
重量: 1.8Kg
Size: 106×106×25mm
Repeat positioning: 0.005mm
Locking force: 18KN (4 bolts)
Material: Hardened stainless steel
Weight: 1.8Kg

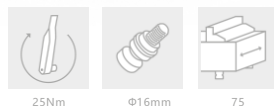


SK52-S150

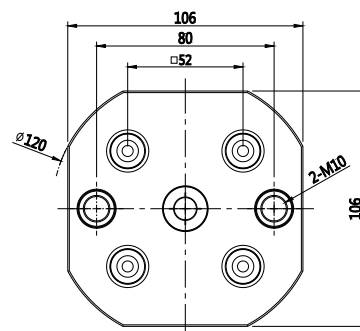


描述 Describe

尺寸: 120×106×25mm
重复定位: 0.005mm
锁紧力: 18KN (4个螺栓)
材质: 硬化不锈钢
重量: 2.0Kg
Size: 120×106×25mm
Repeat positioning: 0.005mm
Locking force: 18KN (4 bolts)
Material: Hardened stainless steel
Weight: 2.0Kg

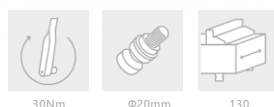


SK52-S120



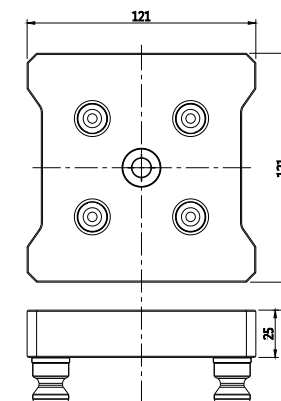
描述 Describe

尺寸: 106×106×25mm
重复定位: 0.005mm
锁紧力: 18KN (4个螺栓)
材质: 硬化不锈钢
重量: 1.6Kg
Size: 106×106×25mm
Repeat positioning: 0.005mm
Locking force: 18KN (4 bolts)
Material: Hardened stainless steel
Weight: 1.6Kg



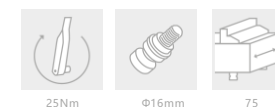
四孔定位器 Modular tooling

SK52-S96

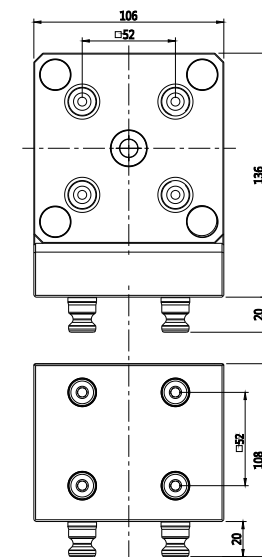


描述 Describe

尺寸: 121×121×25mm
重复定位: 0.005mm
锁紧力: 18KN (4个螺栓)
材质: 硬化不锈钢
重量: 2.4Kg
Size: 121×121×25mm
Repeat positioning: 0.005mm
Locking force: 18KN (4 bolts)
Material: Hardened stainless steel
Weight: 2.4Kg

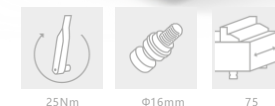


SK52-A90

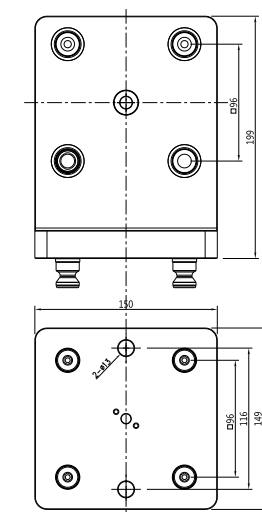


描述 Describe

尺寸: 106×108×156mm
重复定位: 0.005mm
锁紧力: 18KN (4个螺栓)
材质: 铝+硬化不锈钢
重量: 4.8Kg
Size: 106×108×156mm
Repeat positioning: 0.005mm
Locking force: 18KN (4 bolts)
Material: Aluminum + Hardened Stainless Steel
Weight: 4.8Kg

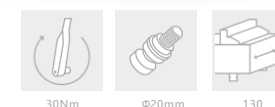


SK96-A90



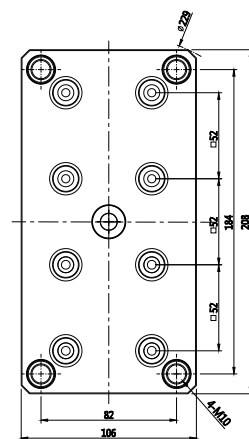
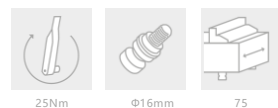
描述 Describe

尺寸: 150×149×199mm
重复定位: 0.008mm
锁紧力: 22KN (4个螺栓)
材质: 铝+硬钢
重量: 5.0Kg
Size: 150×149×199mm
Repeat positioning: 0.008mm
Locking force: 22KN (4 bolts)
Material: aluminum + hard steel
Weight: 5.0Kg



双工位四孔定位器 Dual station four hole positioner

SK52-S230

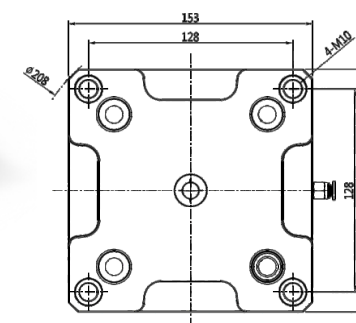


描述 Describe

尺寸: 208×106×25mm
重复定位: 0.005mm
锁紧力: 18KN (4个螺栓)
材质: 硬化钢
重量: 3.5Kg
Size: 208×106×25mm
Repeat positioning: 0.005mm
Locking force: 18KN (4 bolts)
Material: Hardened steel SK96-S379
Weight: 3.5Kg

气动四孔定位器 Pneumatic four-hole positioner

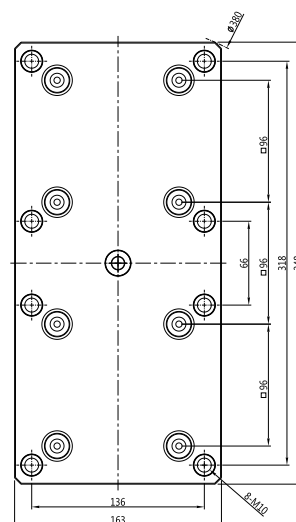
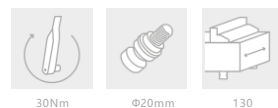
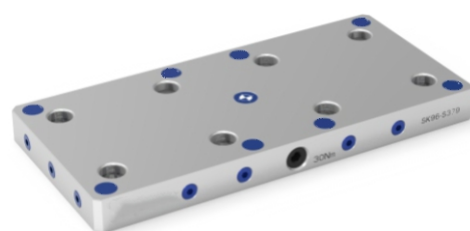
SK96-S210A



描述 Describe

尺寸: 153×153×50mm
重复定位: 0.005mm
材质: 硬钢
重量: 7.0Kg
Size: 153×153×50mm
Repeat positioning: 0.005mm
Material: hard steel
Weight: 7.0Kg

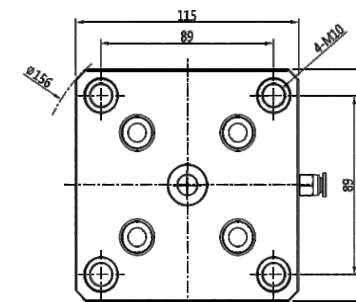
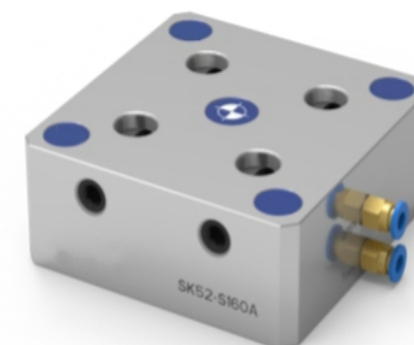
SK96-S379



描述 Describe

尺寸: 208×106×25mm
重复定位: 0.005mm
锁紧力: 18KN (4个螺栓)
材质: 硬化钢
重量: 11.5Kg
Size: 208×106×25mm
Repeat positioning: 0.005mm
Locking force: 18KN (4 bolts)
Material: Hardened steel
Weight: 11.5Kg

SK52-S160A

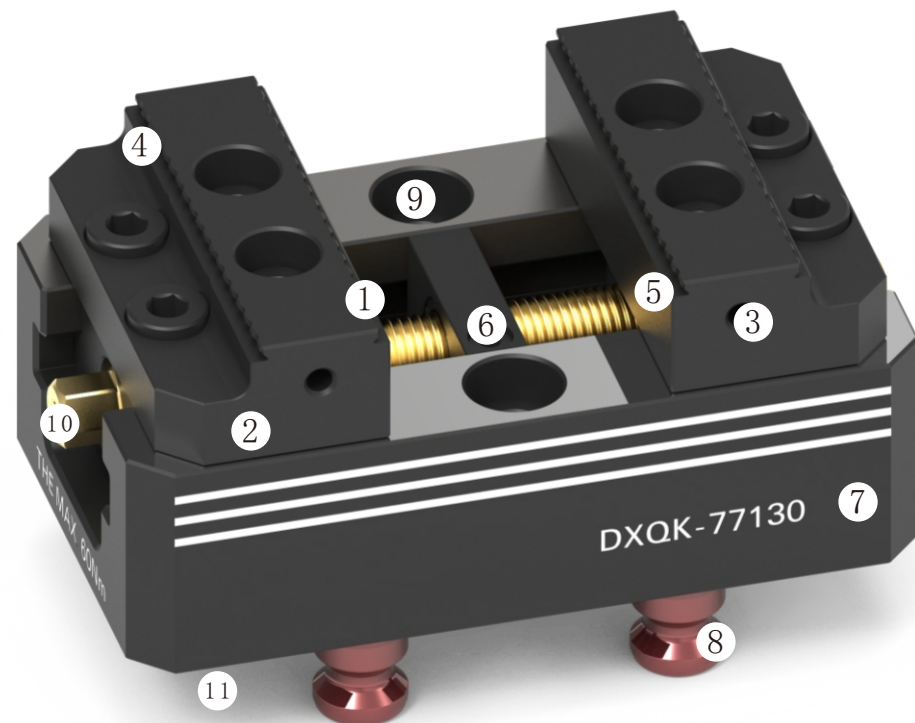


描述 Describe

尺寸: 115×115×46mm
重复定位: 0.005mm
材质: 硬钢
重量: 4.0Kg
Size: 115×115×46mm
Repeat positioning: 0.005mm
Material: hard steel
Weight: 4.0Kg

定心虎钳 Centering vise

紧凑和强大的保持能力,用于坯料和未完成零件的双面加工



1. 45度颚与双面锯齿(所有类型的虎钳相同的锯齿)
2. 由整体硬化钢磨成的夹钳,确保最大稳定性
3. 端面定位的螺牙
4. 可逆的夹口在一分钟内更换.实现了一个更大的夹紧范围,并消除了干扰
5. 2.5毫米深的夹紧边保证了理想刀具的可访问性和巨大的材料节省
6. 定心精度 $\pm 0.02 \text{ MM}$
7. 坚固耐用的基体,非常长寿.尺寸组内的颚类型都可以安装.
8. 集成了夹紧螺钉,以精确的夹紧在四孔定位器系统
9. 多功能固定螺丝安装方便
10. 具有更耐磨的丝杆涂层
11. 底部配置精密定位孔,以便快速组合使用
1. 45 degree jaw with double sided serrations (same serrations for all types of vises)
2. Clamps ground from solid hardened steel, ensure maximum stability
3. Threads for end positioning.
4. Reversible jaws change in one minute. A larger clamping range is achieved, and eliminate distractions
5. 2.5 mm deep clamping edges ensure Ideal knife accessibility and Huge material savings.
6. Centering accuracy $\pm 0.02 \text{ MM}$
7. Strong and durable base, very long life.

75系列定心虎钳 Self centering vise

DXQK-75100T

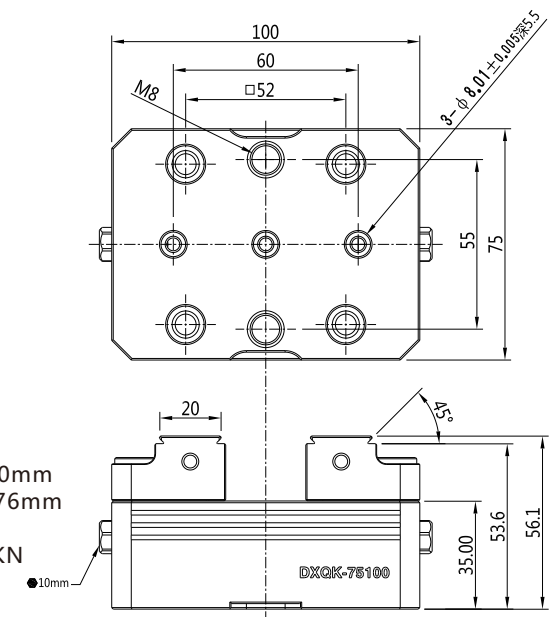


描述

尺寸: 75×100×56mm
正向夹持范围: 0-40mm
反向夹持范围: 38-76mm
钳体宽度: 75mm
最大扭矩: 60Nm@14KN
重量: 2.3Kg

Describe

Size: 75×100×56mm
Forward clamping range: 0-40mm
Reverse clamping range: 38-76mm
Clamp body width: 75mm
Maximum torque: 60Nm@14KN
Weight: 2.3Kg



DXQK-75150T

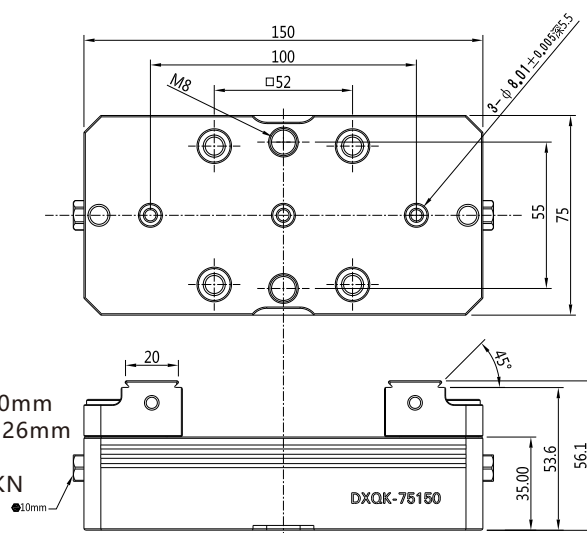


描述

尺寸: 75×150×56mm
正向夹持范围: 0-90mm
反向夹持范围: 38-126mm
钳体宽度: 75mm
最大扭矩: 60Nm@14KN
重量: 2.9Kg

Describe

Size: 75×150×56mm
Forward clamping range: 0-90mm
Reverse clamping range: 38-126mm
Clamp body width: 75mm
Maximum torque: 60Nm@14KN
Weight: 2.9Kg



75系列定心虎钳 Self centering vise

DXQK-75100

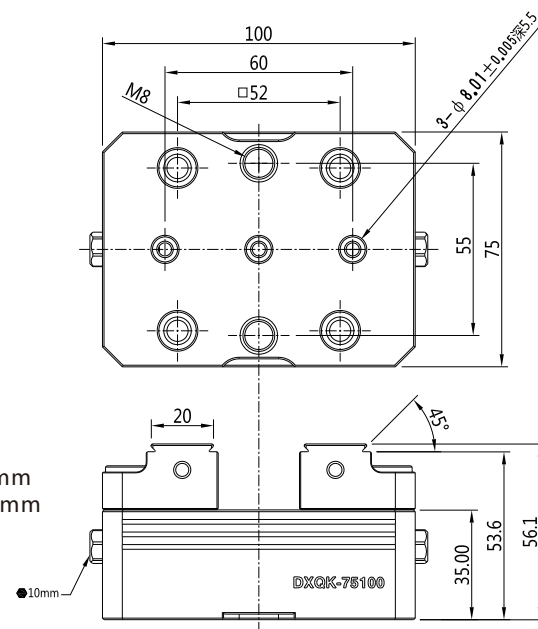


描述

尺寸: 75×100×56mm
正向夹持范围: 0-40mm
反向夹持范围: 38-76mm
钳体宽度: 75mm
最大扭矩: 60Nm@14KN
重量: 2.3Kg

Describe

Size: 75×100×56mm
Forward clamping range: 0-40mm
Reverse clamping range: 38-76mm
Clamp body width: 75mm
Maximum torque: 60Nm@14KN
Weight: 2.3Kg



DXQK-75150

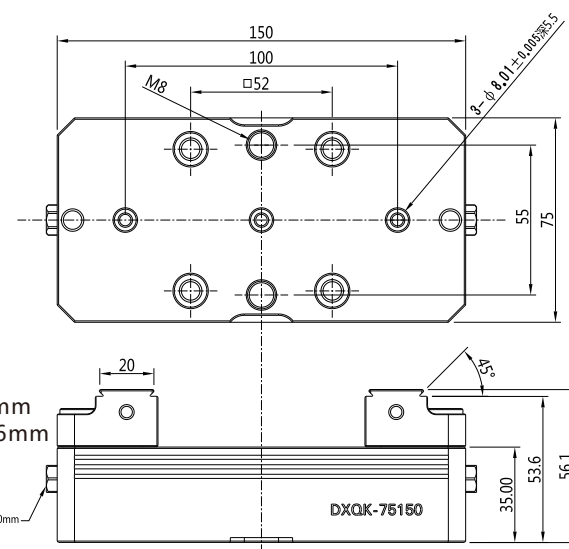


描述

尺寸: 75×150×56mm
正向夹持范围: 0-90mm
反向夹持范围: 38-126mm
钳体宽度: 75mm
最大扭矩: 60Nm@14KN
重量: 2.9Kg

Describe

Size: 75×150×56mm
Forward clamping range: 0-90mm
Reverse clamping range: 38-126mm
Clamp body width: 75mm
Maximum torque: 60Nm@14KN
Weight: 2.9Kg



77系列定心虎钳 Self centering vise

DXQK-77102

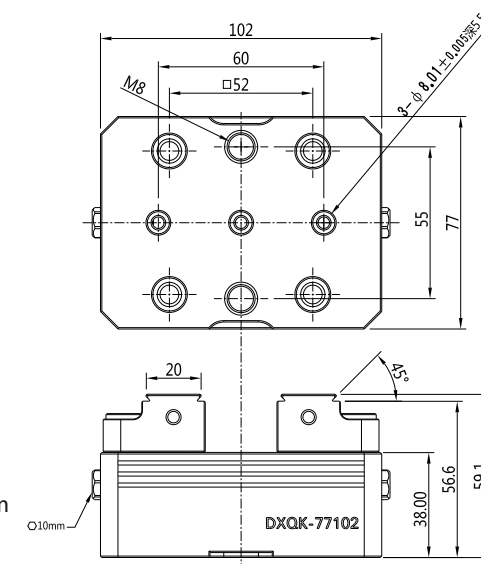


描述

尺寸: 77×102×59mm
正向夹持范围: 0-42mm
反向夹持范围: 38-78mm
钳体宽度: 77mm
最大扭矩: 75Nm@20KN
重量: 2.5Kg

Describe

Size: 77×102×59mm
Forward clamping range: 0-42mm
Reverse clamping range: 38-78mm
Clamp body width: 77mm
Maximum torque: 75Nm@20KN
Weight: 2.5Kg



DXQK-77130

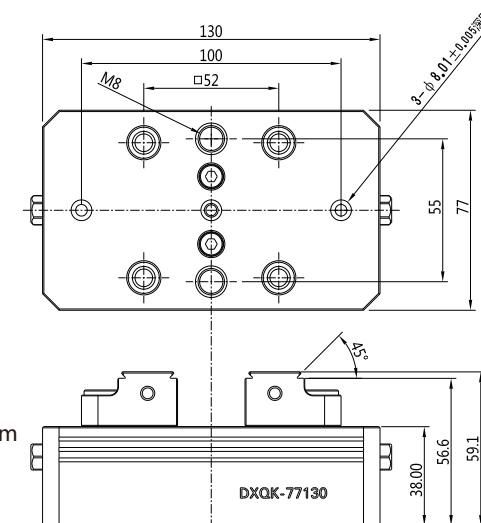


描述

尺寸: 75×150×56mm
正向夹持范围: 0-90mm
反向夹持范围: 38-126mm
钳体宽度: 75mm
最大扭矩: 60Nm@14KN
重量: 2.9Kg

Describe

Size: 75×150×56mm
Forward clamping range: 0-90mm
Reverse clamping range: 38-126mm
Clamp body width: 75mm
Maximum torque: 60Nm@14KN
Weight: 2.9Kg



130系列定心虎钳 Self centering vise

DXQK-125128

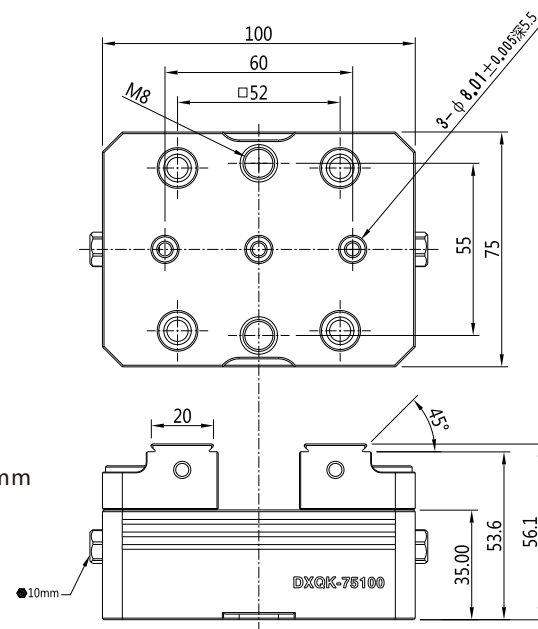


描述

尺寸: 126×128×73.5mm
正向夹持范围: 0-56mm
反向夹持范围: 78-128mm
钳体宽度: 125mm
最大扭矩: 75Nm@20KN
重量: 6.0Kg

Describe

Size: 126×128×73.5mm
Forward clamping range: 0-56mm
Reverse clamping range: 78-128mm
Clamp body width: 75mm
Maximum torque: 60Nm@14KN
Weight: 2.3Kg



DXQK-130155

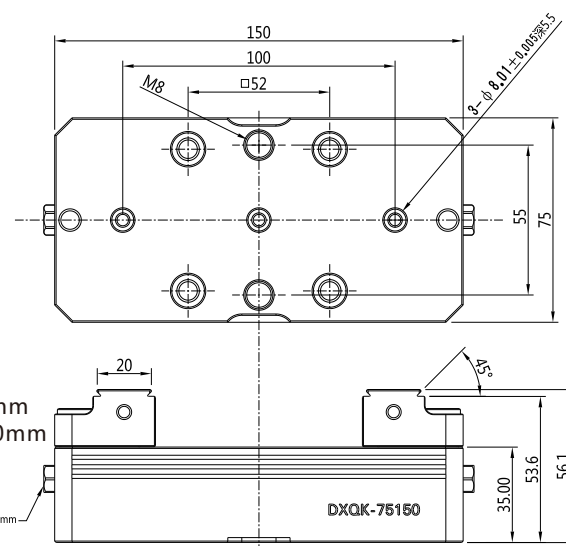


描述

尺寸: 130×150×73.5mm
正向夹持范围: 0-82mm
反向夹持范围: 78-150mm
钳体宽度: 130mm
最大扭矩: 75Nm@20KN
重量: 7.0Kg

Describe

Size: 130×150×73.5mm
Forward clamping range: 0-82mm
Reverse clamping range: 78-150mm
Clamp body width: 130mm
Maximum torque: 75Nm@20KN
Weight: 7.0Kg



130系列定心虎钳 Self centering vise

DXQK-130250

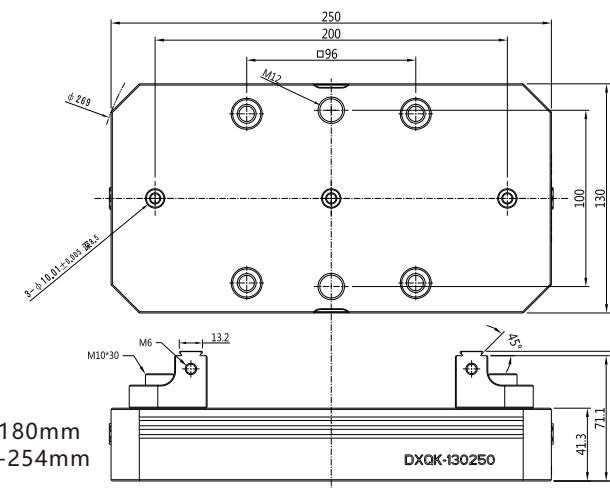


描述

尺寸: 130×250×73.5mm
正向夹持范围: 0-180mm
反向夹持范围: 78-254mm
钳体宽度: 130mm
最大扭矩: 75Nm@20KN
重量: 9.8Kg

Describe

Size: 130×250×73.5mm
Forward clamping range: 0-180mm
Reverse clamping range: 78-254mm
Clamp body width: 130mm
Maximum torque: 75Nm@20KN
Weight: 9.8Kg



DXQK-150250

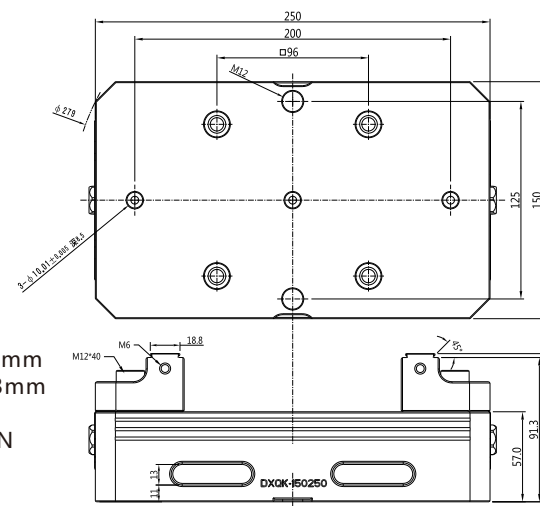


描述

尺寸: 150×250×94mm
正向夹持范围: 0-155mm
反向夹持范围: 94-243mm
钳体宽度: 150mm
最大扭矩: 100Nm@26KN
重量: 16Kg

Describe

Size: 150×250×94mm
Forward clamping range: 0-155mm
Reverse clamping range: 94-243mm
Clamp body width: 150mm
Maximum torque: 100Nm@26KN
Weight: 16Kg



75双工位虎钳 Double station vise

DXQK-75100D

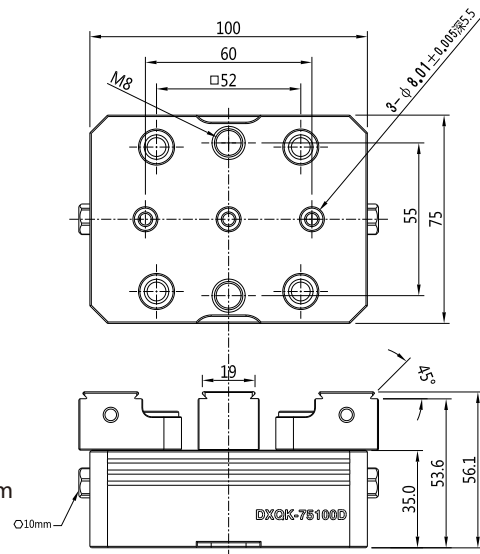


描述

尺寸: 75×100×56mm
正向夹持范围: 0-10mm
反向夹持范围: 17.5-25mm
钳体宽度: 75mm
最大扭矩: 60Nm@14KN
重量: 2.5Kg

Describe

Size: 75×100×56mm
Forward clamping range: 0-10mm
Reverse clamping range: 17.5-25mm
Clamp body width: 75mm
Maximum torque: 60Nm@14KN
Weight: 2.5Kg



DXQK-75150D

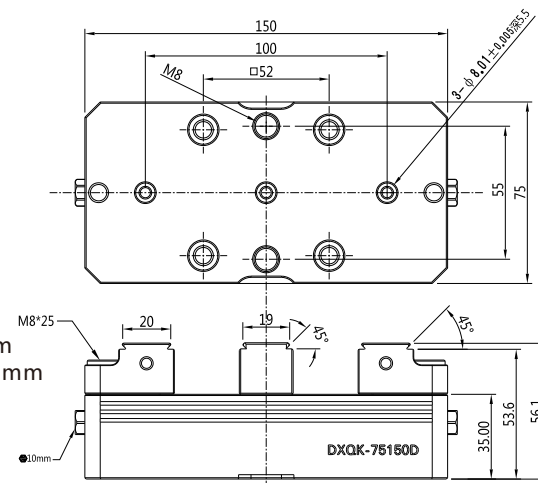


描述

尺寸: 75×150×56mm
正向夹持范围: 0-37mm
反向夹持范围: 17.5-55mm
钳体宽度: 75mm
最大扭矩: 60Nm@14KN
重量: 2.9Kg

Describe

Size: 75×150×56mm
Forward clamping range: 0-37mm
Reverse clamping range: 17.5-55mm
Clamp body width: 75mm
Maximum torque: 60Nm@14KN
Weight: 2.9Kg



103双工位虎钳 Double station vise

DXQK-130155D

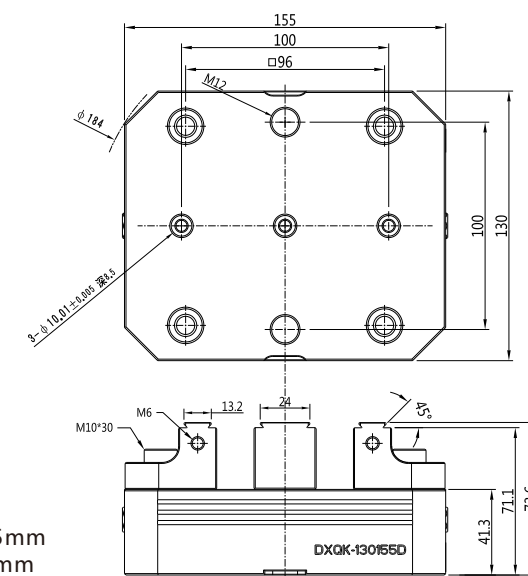


描述

尺寸: 130×155×73.5mm
正向夹持范围: 0-28.5mm
反向夹持范围: 32-62mm
钳体宽度: 130mm
最大扭矩: 75Nm@20KN
重量: 7.6Kg

Describe

Size: 130×155×73.5mm
Forward clamping range: 0-28.5mm
Reverse clamping range: 32-62mm
Clamp body width: 130mm
Maximum torque: 75Nm@20KN
Weight: 7.6Kg



DXQK-130250D

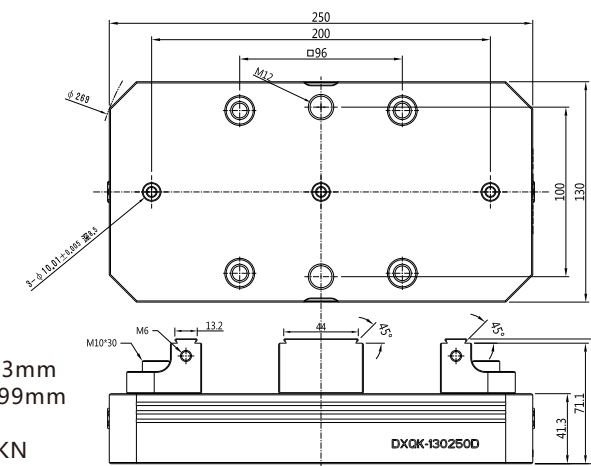


描述

尺寸: 130×250×73.5mm
正向夹持范围: 0-63mm
反向夹持范围: 32-99mm
钳体宽度: 130mm
最大扭矩: 75Nm@20KN
重量: 10.8Kg

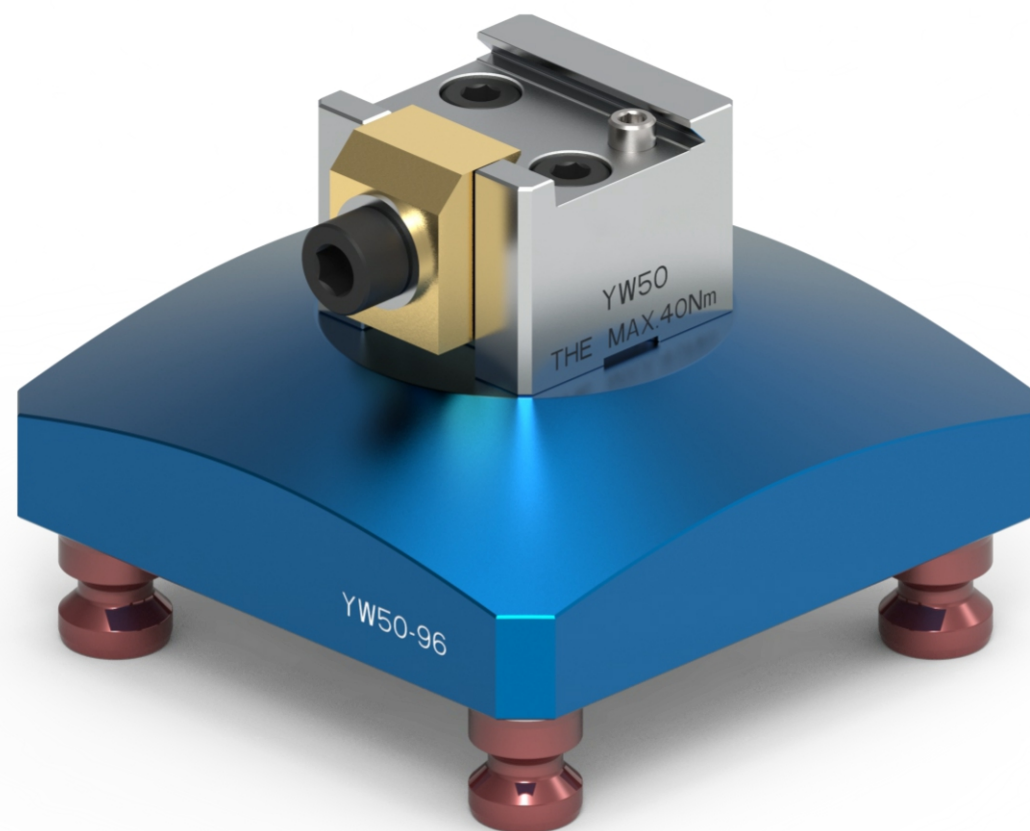
Describe

Size: 130×250×73.5mm
Forward clamping range: 0-63mm
Reverse clamping range: 32-99mm
Clamp body width: 130mm
Maximum torque: 75Nm@20KN
Weight: 10.8Kg



燕尾装置 Dovetail clip

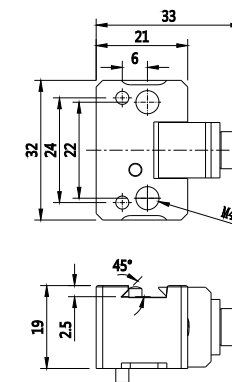
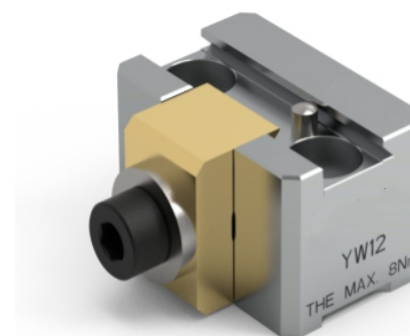
Dovetail design quickly locks parts into place for extreme clamping strength and stiffness
燕尾棒设计可快速将零件锁定到位, 以实现极高的夹持强度和刚度



- 1 45度燕尾式,增加夹紧力
45 degree dovetail type to increase clamping force
- 2 带定位销增加重复性
With positioning pins to increase repeatability
- 3 由整体硬化不锈钢研磨而成确保最大稳定性
Milled from solid hardened stainless steel ensure maximum stability
- 4 高强度航空硬铝
High-strength aviation duralumin
- 5 兼容52系统与96系统
Compatible with 52 system and 96 system

燕尾夹 Dovetail clip

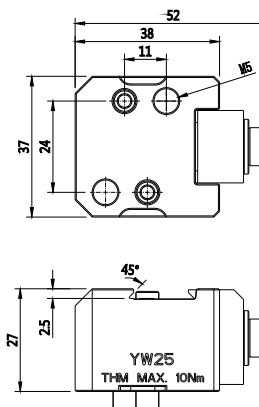
YW12



描述Describe

尺寸: 21x32x19mm
材质: 硬化不锈钢
夹持范围: 12-25mm
燕尾深度: 2.54mm
最大扭矩: 8Nm
重量: 0.1Kg
Size: 21x32x19mm
Material: Hardened stainless steel
Clamping range: 12-25mm
Dovetail depth: 2.54mm
Maximum torque: 8Nm
Weight: 0.1kg

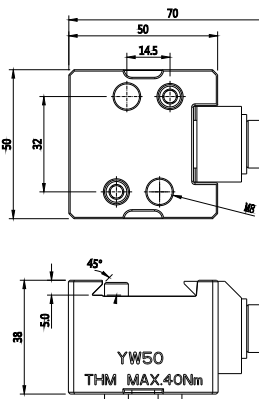
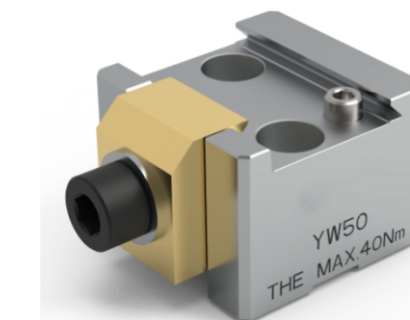
YW25



描述Describe

尺寸: 21x32x19mm
材质: 硬化不锈钢
夹持范围: 25-70mm
燕尾深度: 2.54mm
最大扭矩: 10Nm
重量: 0.25Kg
Size: 21x32x19mm
Material: Hardened stainless steel
Clamping range: 25-70mm
Dovetail depth: 2.54mm
Maximum torque: 10Nm
Weight: 0.25Kg

Yw50

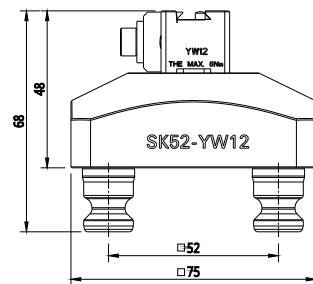
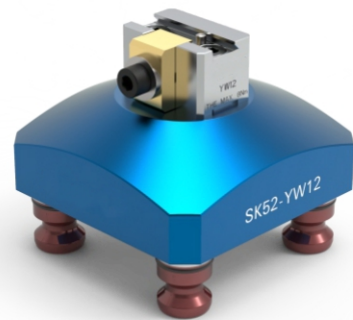


描述Describe

尺寸: 50x50x38mm
材质: 硬化不锈钢
夹持范围: 50mm以上
燕尾深度: 5.08mm
最大扭矩: 40Nm
重量: 0.65Kg
Size: 50x50x38mm
Material: Hardened stainless steel
Clamping range: 50mm以上
Dovetail depth: 5.08mm
Maximum torque: 40Nm
Weight: 0.65kg

52型燕尾夹 Dovetail clip

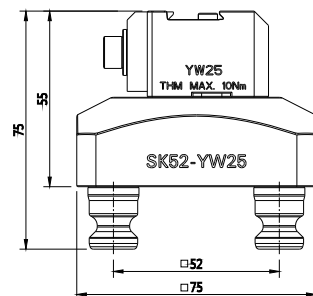
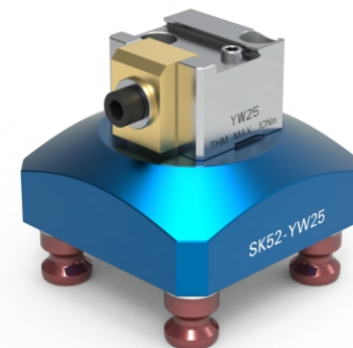
YW12-52



描述Describe

尺寸: 75x75x68mm
材质: 硬化不锈钢加铝
夹持范围: 12-25mm
燕尾深度: 2.54mm
最大扭矩: 8Nm
重量: 0.6Kg
Size: 75x75x68mm
Material: Hardened stainless steel + aluminum
Clamping range: 12-25mm
Dovetail depth: 2.54mm
Maximum torque: 8Nm
Weight: 0.6kg

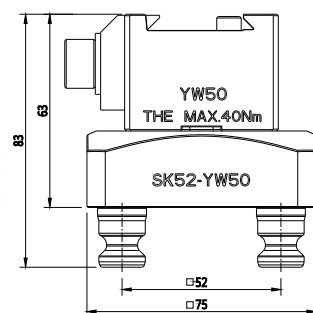
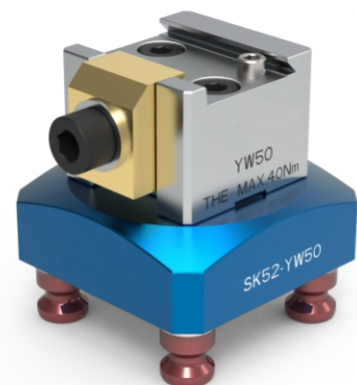
YW25-52



描述Describe

尺寸: 75x75x75mm
材质: 硬化不锈钢
夹持范围: 12-25mm
燕尾深度: 2.54mm
最大扭矩: 10Nm
重量: 0.8Kg
Size: 75x75x75mm
Material: Hardened stainless steel
Clamping range: 12-25mm
Dovetail depth: 2.54mm
Maximum torque: 10Nm
Weight: 0.8Kg

Yw50-52

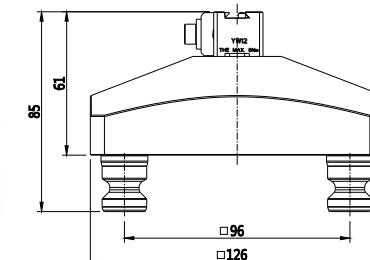
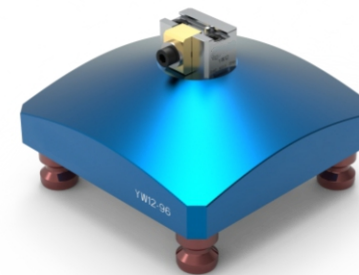


描述Describe

尺寸: 75x75x83mm
材质: 硬化不锈钢加铝
夹持范围: 50mm以上
燕尾深度: 5.08mm
最大扭矩: 40Nm
重量: 1.1Kg
Size: 50x50x83mm
Material: Hardened stainless steel + aluminum
Clamping range: 50mm以上
Dovetail depth: 5.08mm
Maximum torque: 40Nm
Weight: 1.1kg

96型燕尾夹 Dovetail clip

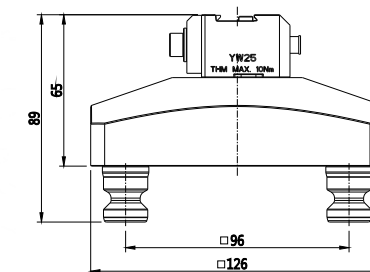
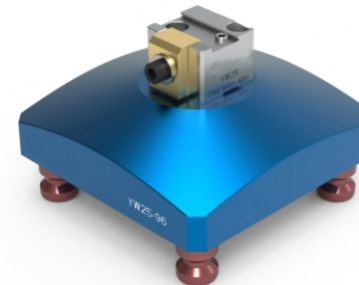
YW12-96



描述Describe

尺寸: 126x126x85mm
材质: 硬化不锈钢加铝
夹持范围: 12-25mm
燕尾深度: 2.54mm
最大扭矩: 8Nm
重量: 1.7Kg
Size: 126x126x85mm
Material: Hardened stainless steel + aluminum
Clamping range: 12-25mm
Dovetail depth: 2.54mm
Maximum torque: 8Nm
Weight: 1.7kg

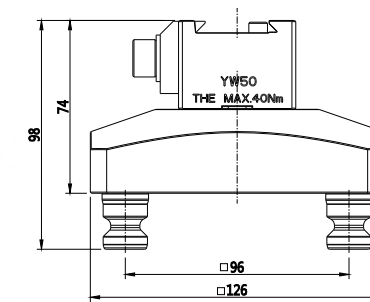
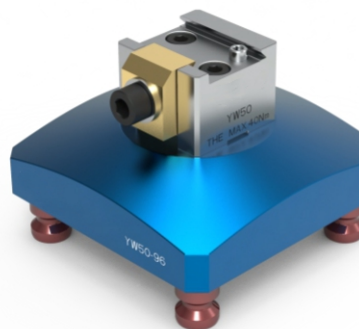
YW25-96



描述Describe

尺寸: 126x126x89mm
材质: 硬化不锈钢加铝
夹持范围: 12-25mm
燕尾深度: 2.54mm
最大扭矩: 10Nm
重量: 2.3Kg
Size: 126x126x89mm
Material: Hardened stainless steel + aluminum
Clamping range: 12-25mm
Dovetail depth: 2.54mm
Maximum torque: 10Nm
Weight: 2.3Kg

YW50-96



描述Describe

尺寸: 126x126x98mm
材质: 硬化不锈钢加铝
夹持范围: 50mm以上
燕尾深度: 5.08mm
最大扭矩: 40Nm
重量: 2.3Kg
Size: 126x126x98mm
Material: Hardened stainless steel + aluminum
Clamping range: 50mm以上
Dovetail depth: 5.08mm
Maximum torque: 40Nm
Weight: 2.3kg

ER夹头 ER chuck

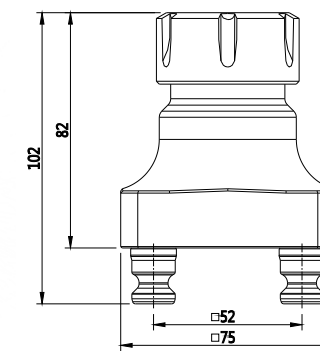
紧凑型筒夹夹头设计用于铣削夹持直径为圆形部件，并使用市售的ER夹头。其纤薄的设计提供了出色的人体工程学特性，并确保铣削时的最佳可达性。
The compact collet chuck is designed for milling of round diameter parts and uses commercially available ER chucks. Its slim design offers excellent ergonomics and ensures optimal accessibility when milling.



- ① 适用于市售夹头
Suitable for commercially available chucks
- ② 坚固耐用,整体硬化和表面涂层
Strong and durable, overall hardened and surface coated
- ③ 配备了夹紧螺栓,可快速的在零点夹紧系统中进行精确夹紧
Equipped with clamping bolts, which can be quickly Precise clamping in zero-point clamping systems
- ④ 冷却剂排水孔
coolant drain hole
- ⑤ 端面限位功能孔
End limit function hole

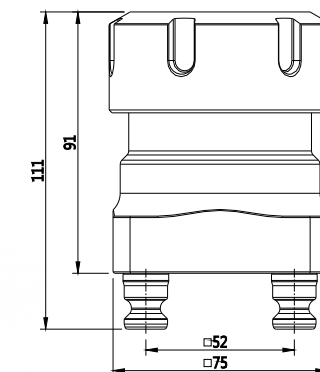
ER型夹头 ER chuck

ER32-25



描述Describe
尺寸: 75x75x83mm
材质: 硬化钢
夹持范围: 3-25mm
重量: 1.4Kg
Size: 75x75x83mm
Material: Hardened steel
Clamping range: 3-25mm
Weight: 1.4kg

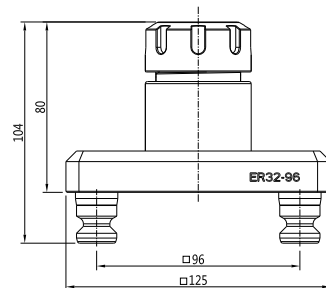
ER50-52



描述Describe
尺寸: 75x75x92mm
材质: 硬化钢
夹持范围: 6-40mm
重量: 2.6Kg
Size: 75x75x92mm
Material: Hardened steel
Clamping range: 6-40mm
Weight: 2.6kg

ER型夹头 ER chuck

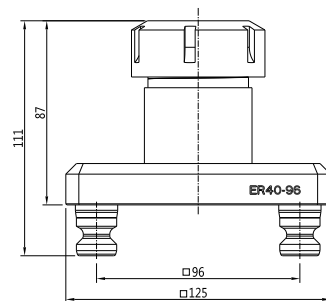
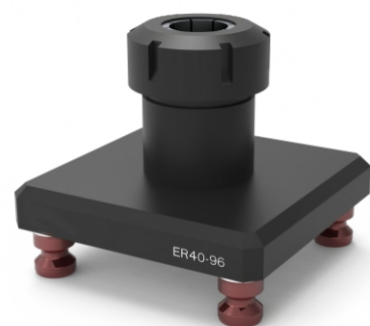
ER32-96



描述Describe

尺寸: 125x125x104mm
材质: 硬化钢
夹持范围: 3-25mm
重量: 2.6Kg
Size: 125x125x104mm
Material: Hardened steel
Clamping range: 3-25mm
Weight: 2.6kg

ER40-96

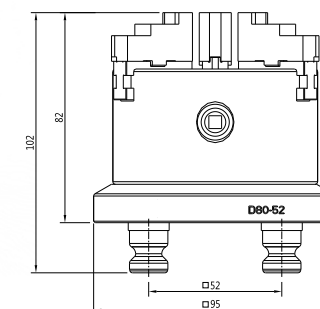


描述Describe

尺寸: 125x125x111mm
材质: 硬化钢
夹持范围: 3-32mm
重量: 2.9Kg
Size: 125x125x111mm
Material: Hardened steel
Clamping range: 3-32mm
Weight: 2.9Kg

卡盘 Chuck

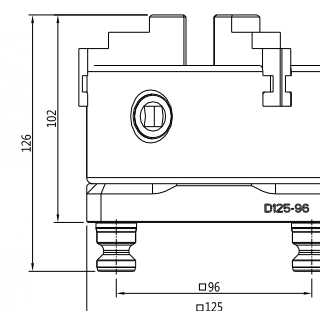
D80-52



描述Describe

尺寸: 75x75x83mm
材质: 硬化钢
夹持范围: 3-25mm
重量: 1.4Kg
Size: 75x75x83mm
Material: Hardened steel
Clamping range: 3-25mm
Weight: 1.4kg

D125-96



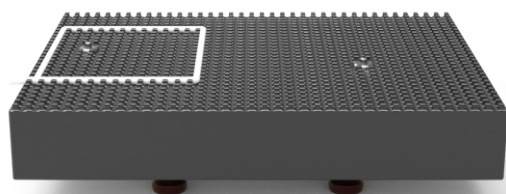
描述Describe

尺寸: 125x125x130mm
材质: 硬化钢加表面防锈
重量: 8Kg
Size: 125x125x130mm
Material: hardened steel + surface rust resistant
Weight: 8Kg

真空吸盘

Vacuum suction cup

V247-40



描述Describe

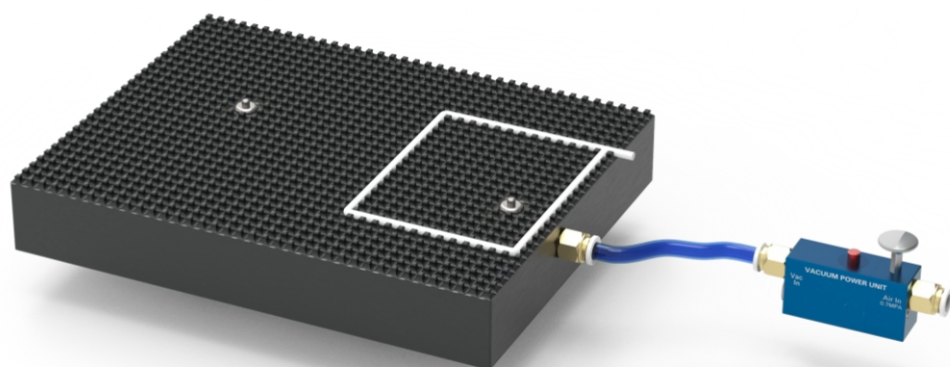
尺寸: 247x191x39mm
材质: AL
重量: 5.5Kg
带96拉钉系统
Size: 247x191x39mm
Material: AL
Weight: 5.5kg
With 96 rivet system

真空动力装置



描述Describe

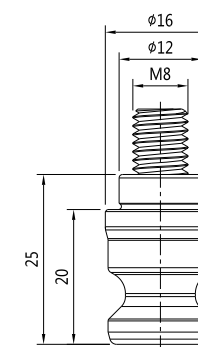
真空动力装置 (VPU) 是系统的核心。
真空从这个单一的单元产生、打开和关闭以及监控。压缩空气以 0.65Mpa 的压力进入，转换为 28" Hg 的真空功率——等于或优于传统真空泵，并且无需过滤器或冷却剂收集器。它是一种低流量、高水
平泵旨在与无孔工件一起使用。最重要的是，它仅消耗 0.02CMM 的空气（最大真空流量为 0.028CMM）
The vacuum power unit (VPU) is the heart of the system.
Vacuum is generated, turned on and off and monitored from this single unit. Compressed air enters at a pressure of 0.65Mpa, converting to 28" Hg of vacuum power – equal to or better than conventional vacuum pumps, and without the need for filters or coolant collectors. It is a low-flow, high-level pump designed to work with no Use it with hole workpieces. Most importantly, it only consumes 0.02CMM of air (maximum vacuum flow is 0.028CMM).



拉钉

Petention knob

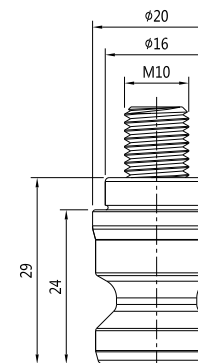
LD1216



描述Describe

尺寸: Ø16x34mm
材质: 硬化工具钢
重量: 0.03Kg
Size: Ø16x34mm
Material: Hardened tool steel
Weight: 0.03kg

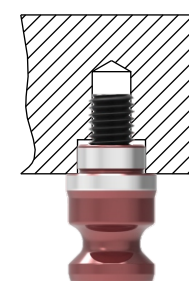
LD1620



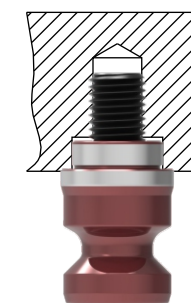
描述Describe

尺寸: Ø20x40mm
材质: 硬化工具钢
重量: 0.05Kg
Size: Ø20x40mm
Material: Hardened tool steel
Weight: 0.05Kg

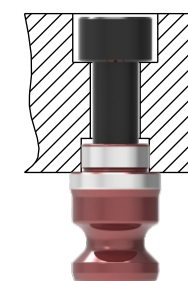
安装方式



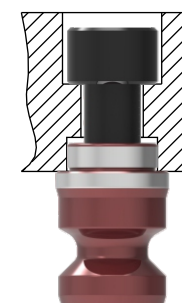
52



96



52



96

三面工装塔

Three-sided tooling tower

SK52-S160



描述Describe

尺寸: Ø160X167mm

材质: 铝加钢

重量: 6.8Kg

底部预制96系统拉钉孔, 可快速的

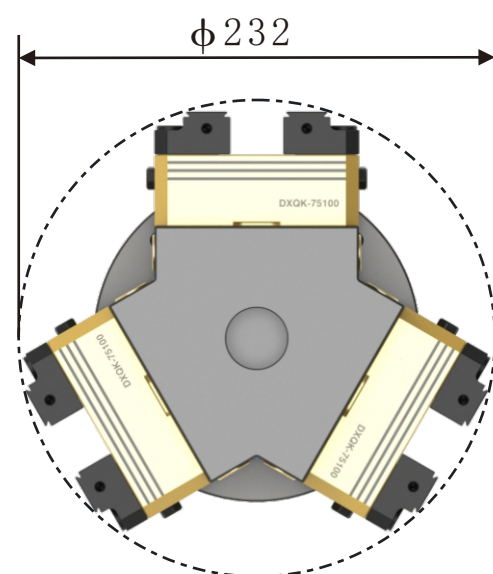
在零点夹紧系统中进行精确夹紧

Size: Ø160X167mm

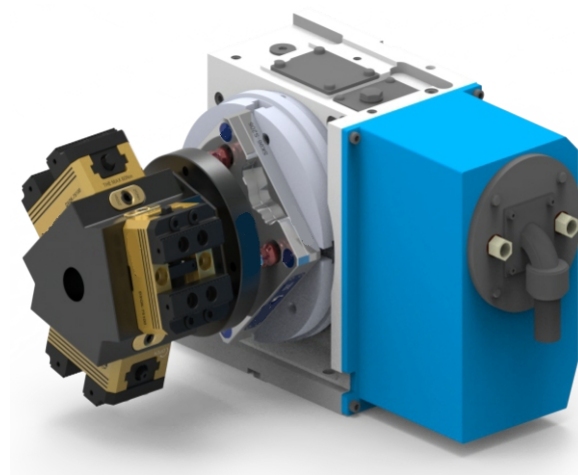
Material: aluminum+steel

Weight: 6.8kg

The bottom is prefabricated with 96 system rivet holes, which can quickly and accurately clamp in the zeropoint clamping system.



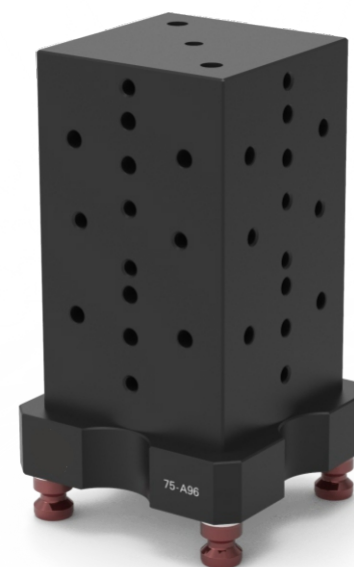
安装三个75100的虎钳



四面工装塔

Four-sided tooling tower

75-A96



迷你型四面工装塔,应用于较小的4轴和5轴机床, 保持紧凑空间的同时提高生产率,最多可以安装8个虎钳,使机床可以在无人值守的情况下运行这样可以最大程度地减少装夹时间,并使作业人员可以操作多台机床.

The mini four-sided tooling tower is used in smaller 4-axis and 5-axis machine tools to increase productivity while maintaining a compact space.

Up to 8 vises can be installed, allowing the machine tool to operate unattended. This minimizes setup time and allows operators to operate multiple machine tools.

描述Describe

尺寸: 126X126X200mm

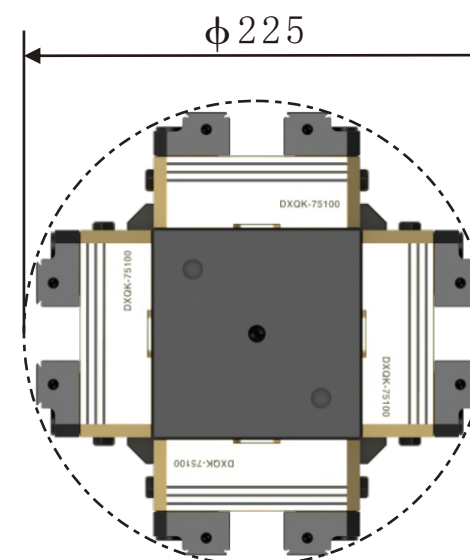
材质: AL

重量: 6.5Kg

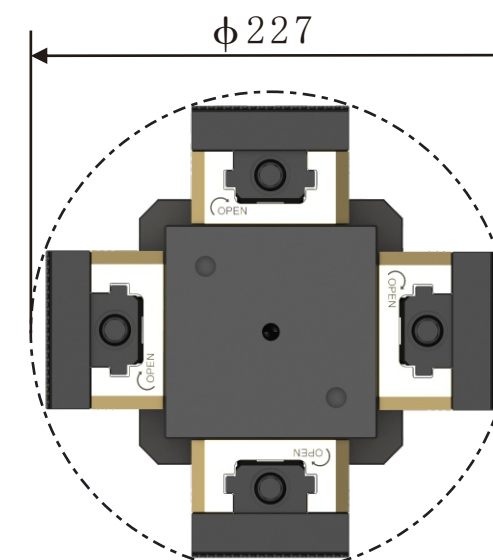
Size: 126X126X200mm

Material: AL

Weight: 6.5Kg



虎钳水平安装

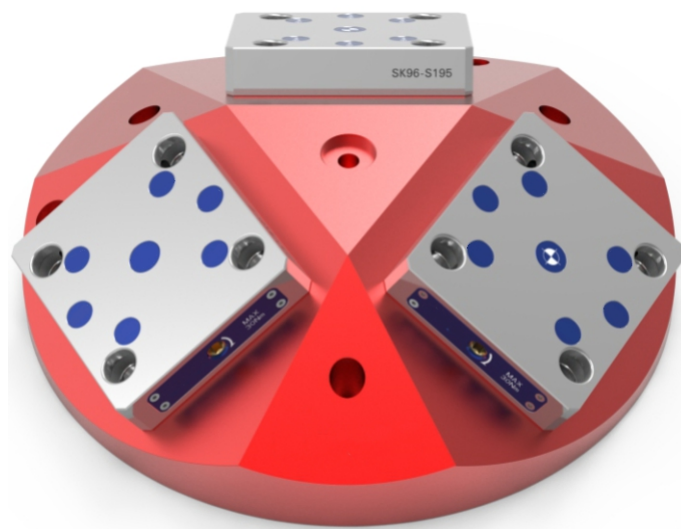


虎钳垂直安装

三面金字塔 Three sided pyramid

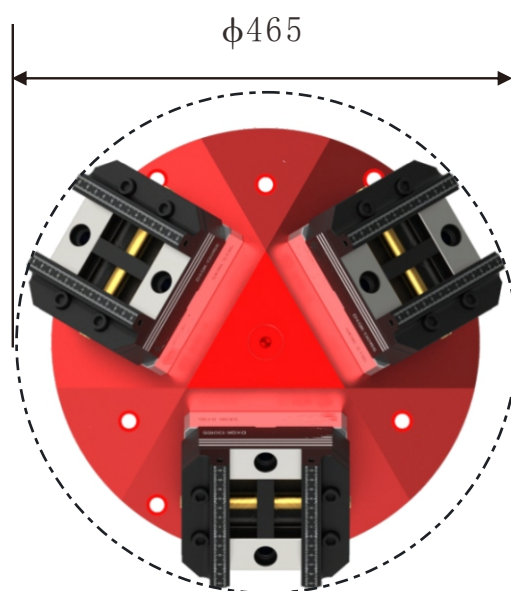
高强度, 铝制三面金字塔与集成的快换板, 增加5轴机床的运行时间。减少换刀次数, 延长主轴的精度。
High-strength, aluminum three-sided pyramid with integrated quick-change plates increases uptime on 5-axis machines.
Reduce the number of tool changes and extend the accuracy of the spindle.

SK96-D400

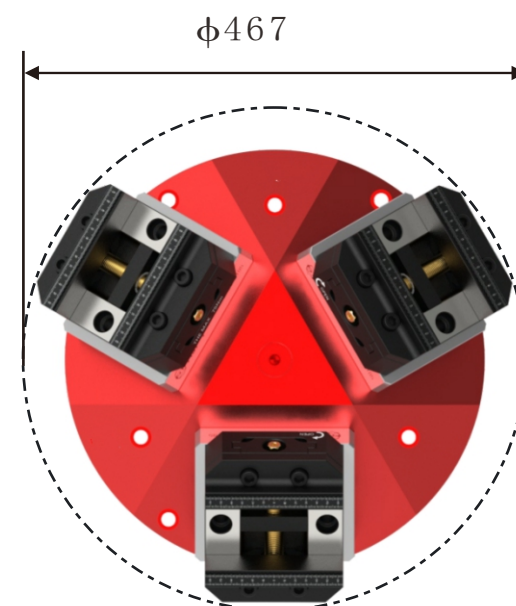


描述Describe

尺寸: Ø395X115mm
材质: 铝
重量: 32Kg
角度: <30度 适用于倾斜度为120°或以上的机器。
底部预制96系统拉钉孔, 可快速的在零点夹紧系统中进行精确夹紧
注意: 订购时需要机器品牌和型号, 以确保安装孔位正确。
Size: Ø395X115mm
Material: aluminum
Weight: 32kg
Angle: <30 degrees, suitable for inclinations of 120 or above machines.
The bottom is prefabricated with 96 system rivet holes for quick Precise clamping in zero-point clamping systems
Note: The machine brand and model are required when ordering to ensure the correct mounting hole locations.



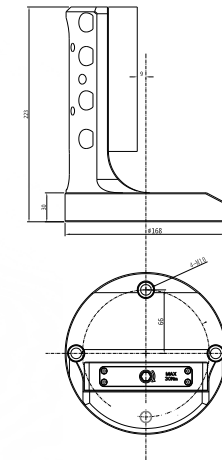
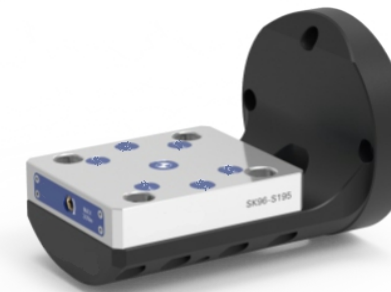
虎钳水平安装



虎钳垂直安装

L板 L board

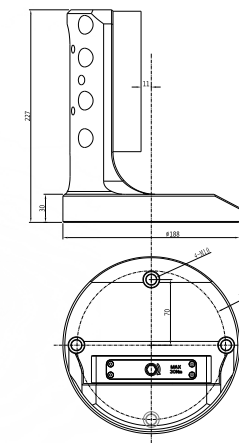
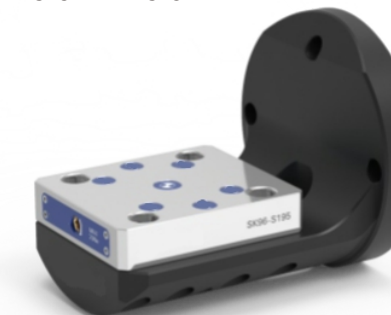
SK96-D170



描述Describe

尺寸: Ø168X223mm
材质: 硬化钢加表面防锈
重量: 9.6Kg
Size: Ø168X223mm
Material: hardened steel + surface rust resistant
Weight: 9.6Kg

SK96-D190



描述Describe

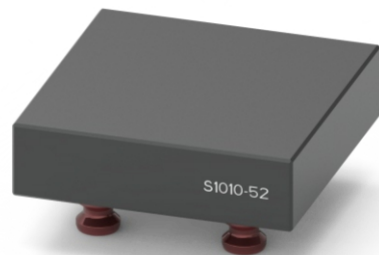
尺寸: Ø188X227mm
材质: 硬化钢加表面防锈
重量: 12.2Kg
Size: Ø188X227mm
Material: hardened steel + surface rust resistant
Weight: 12.2Kg



1. 中心定位销
2. 方向定位销
3. 预制96系统拉钉孔, 可快速的在零点夹紧系统中进行精确夹紧
4. 轻量化设计, 有效降低4轴的负担
5. 整体材料制造 高抗振 高强度

附件 Appendix

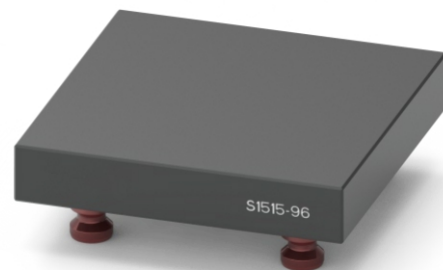
S1010-52



描述Describe

尺寸: 100X100X47mm
材质: 预硬钢
重量: 2.2Kg
可自制
Size: 100X100X47mm
Material: Pre-hardened steel
Weight: 2.2Kg
Can be homemade

S1515-96



描述Describe

尺寸: 150X150X51mm
材质: 预硬钢
重量: 5.5Kg
可自制
Size: 150X150X51mm
Material: Pre-hardened steel
Weight: 5.5Kg
Can be homemade

AL75-M

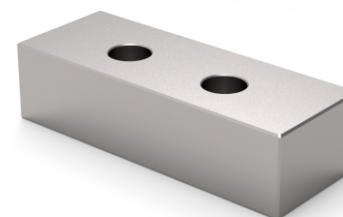


描述Describe

尺寸: 75X44X32mm
材质: 硬钢加表面防锈
重量: 0.5Kg
兼容:
DXQK-130155
DXQK-130250
DXQK-125128
Size: 75X44X32mm
Material: hard steel + surface anti-rust
Weight: 0.5Kg
Compatible with:
DXQK-130155
DXQK-130250
DXQK-125128

附件 Appendix

SL130



描述Describe

尺寸: 130X49X33mm
材质: 软钢 (可加工)
重量: 1.6Kg
兼容: DXQK-130155、DXQK-130250、DXQK-125128
Size: 130X49X33mm
Material: Mild steel (can be machined)
Weight: 1.6Kg
Compatible with: DXQK-130155、DXQK-130250、DXQK-125128

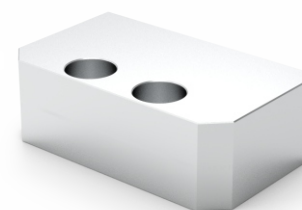
AL130



描述Describe

尺寸: 130X49X33mm
材质: AL (可加工)
重量: 0.6Kg
兼容: DXQK-130155、DXQK-130250、DXQK-125128
Size: 130X49X33mm
Material: AL (processable)
Weight: 0.6Kg
Compatible with: DXQK-130155、DXQK-130250、DXQK-125128

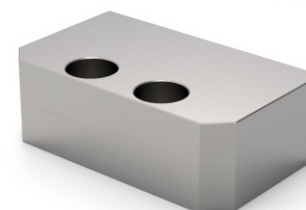
SL75



描述Describe

尺寸: 75X44X24mm
材质: 软钢 (可加工)
重量: 0.6Kg
兼容: DXQK-75100、DXQK-77130、DXQK-77150
Size: 75X44X24mm
Material: Mild steel (can be machined)
Weight: 0.6Kg
Compatible with: DXQK-75100、DXQK-77130、DXQK-77150

AL75

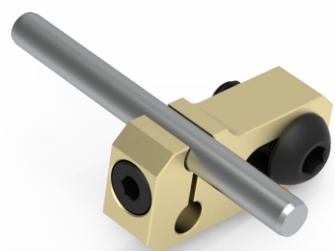


描述Describe

尺寸: 75X44X24mm
材质: AL (可加工)
重量: 0.3Kg
兼容: DXQK-75100、DXQK-77130、DXQK-77150
Size: 130X49X33mm
Material: AL (processable)
Weight: 0.3Kg
Compatible with: DXQK-75100、DXQK-77130、DXQK-77150

附件 Appendix

限位器



描述Describe

简单/可调节的工件限位组件
提供快速准确的工件重新定位
适用于所有自定心和双工位虎钳
Simple/adjustable workpiece stop assembly
Provides fast and accurate workpiece repositioning
Suitable for all selfcentering and duplex vises

中心定位销



描述Describe

安装简单
套件包括螺钉,T型块,定位套
easy to install
Kit includes screws, Tblock, positioning sleeve

螺纹定位销

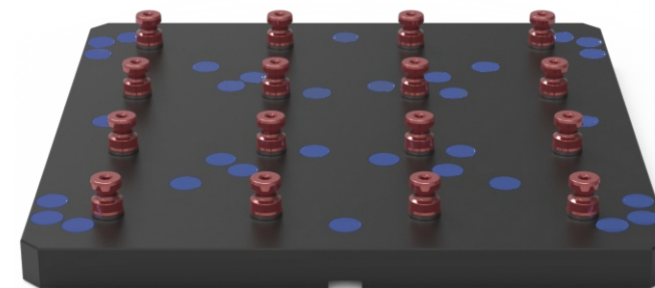


描述Describe

虎钳 快换板 定位销:
LP6 - 6mm
LP8 - 8mm
螺纹定位
LP10 - 10mm
Vise Quick change plate Positioning pin:
LP6-6mm
LP8-8mm
LP10-10mm

零点系统 Zero poin system

S384-96



描述Describe

尺寸: 384X384X27mm
材质:预硬钢
重量: 29Kg
安装孔距:50/63/80/100/126/150/160
Size: 384X384X27mm
Material: Pre-hardened steel
Weight: 29Kg
Installation hole distance:50/63/80/100/126/150/160

SK96-L70



描述Describe

尺寸: 150X130X70mm
材质:预硬钢加镀钛
重复定位: 0.005Kg
锁紧力: 22KN (4个螺栓)
重量: 9Kg
Size: 150X130X70mm
Material: Prehardened steel + titanium plating
Repeat positioning:0.005mm
Locking force: 22KN (4bolts)
Weight: 9Kg