



PLK Precision Tools



昆山倍力肯精密机械有限公司

PLK PRECISION MACHINE TOOLS CO.,LTD

电话 Tel: 0512-57378456

网址 Web: www.plktools.com

邮箱 Email: pre.w@plktools.com

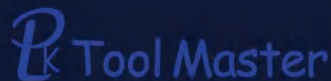
地址 Addr: 昆山市周市镇杜家路388号5号厂房
Building 5, No. 388 Dujia Road, Kunshan City



公司网站

刀杆
Toolholders

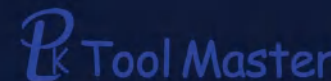
倍力肯精机



专注于数控刀杆研发、生产、销售，为您的加工需求提供最佳的解决方案

昆山倍力肯精密机械有限公司成立于2010年，位于苏州昆山，是国家高新技术企业。倍力肯致力于精密高速刀杆，切削刀具，机床附件的设计、生产及销售，在3C领域、航太、汽机车部件、模具等各类生产加工方面，都以确保产品品质为最高指标，并获得业界各大厂的肯定。

全产品线的完整服务



Full Service of All Product Lines

每种具体应用对刀柄的要求各不相同。尤其在精密应用中，不允许出现任何瑕疵从微细加工到精加工，一直到重型和大切削量加工。我们不仅提供常规在库的刀杆、刀具与辅助工具等，也着眼于特殊应用，提供客制化服务，致力于切削领域及整合金属切削方案为客户解决加工上的问题。



产品已经扩展到五大类上万种规格，基本涵盖钢件、铸铁、有色金属等金属切削加工的各种应用场合，并获得了多项国家技术专利。特别是3C、医疗、航空领域精密加工方案中应用的热缩刀柄、模霸刀杆、微调刀盘，达到国内领先水平。这系列产品仍是公司未来几年的主要发展方向，不管是遵循国际标准的主轴刀杆，还是客制化的产品，或是更加繁复的加工流程，倍力肯都可以提供更完整专业的服务，以满足客户的需求，提高效率、品质。

倍力肯品牌PLK不断突破加工刀具的价值和应用，在质量管控、行政与生产管理、客户服务与技术支持等各方面不断提升，为客户提供更优质的产品、更快速的专业服务。紧随前沿市场发展的脚步，坚持技术的突破与创新，公司不断投入先进的自动化生产设备，配套精密检测器具。公司一贯坚持以产品品质为中心，客户至上、专业服务，秉持着挑战技术极限的精神，根据客户需求定制特殊刀杆，协助解决加工瓶颈。真正能在刀具可解决的领域，激发更多无限的潜力。

PLK continue to break the value and application of machining tool, continuous improvement in all aspects of quality control, administration and production management, customer service and technical support.

Following the pace of the development of the frontier market and adhering to the breakthrough and innovation of technology, our company has continuously invested in advanced automatic production equipment and supporting precision inspection measuring instruments. Also company has always adhered to the product quality as the center, customer first, professional service and the spirit of challenging the technical limit. The user needs to customize the special tool bar to help solve the processing bottleneck. It can really stimulate more unlimited potential in the fields that can be solved by cutting tools.



热缩刀柄
功能强大，用于高效加工
Heat Shrink Toolholders



液压刀柄
通用于各种工况，特别是重切削、高精度要求的场合
Hydraulic Expansion Toolholders



机械刀柄
用于标准用途
Mechanical Toolholders



切削刀具
用于开粗和精加工的刀具
Cutting Tools

目录

车削复合加工刀杆

Turn-Mill Tool Holder

HSK T-SBV	1
HSK T-SBN	2
HSK T-SBH	3
HSK T-SBT	4
HSK T-TSB	5
HSK T-TSD	6

烧结式热胀刀杆

Heat Shrinking Toolholder

■ 合金钢类

HSK A-CR烧结式热胀刀杆	7
HSK E-CR烧结式热胀刀杆	10
HSK F-CR烧结式热胀刀杆	12
BT-CR烧结式热胀刀杆	13
强力型烧结式热胀刀杆	19
BBT-CR烧结式热胀刀杆	20
ISO-CR烧结式热胀刀杆	22
TP-CR热装式伸缩攻牙刀杆	22
ST-CR直柄烧结式热胀刀杆	23

■ 不锈钢类

HSK-SLSA烧结式热胀刀杆	24
HSK-SLRA烧结式热胀刀杆	26
BT-SLSA烧结式热胀刀杆	28
BT-SLRA烧结式热胀刀杆	30
后拉式SLK刀杆	32
CS-CR热装延长杆	33
ST-SLSA烧结式热胀延长杆	35
ST-SLRA烧结式热胀延长杆	36
热缩机	37



目录

液压刀杆

Hydraulic Expansion Toolholders

HSK A-HY液压刀柄	38
HSK E-HY液压刀柄	40
BT-HY液压刀柄	41
BBT-HY液压刀柄	43
HY液压筒夹	44



机械刀柄

Mechanical Toolholders

HSK-SDC后拉式刀柄	45
BT-SDC后拉式刀柄	46
ST-SDC后拉式小径延长杆	48
SDC后拉式筒夹	49
HSK-SK高速刀杆	50
BT-SK高速刀杆	51
BBT-SK高速刀杆	53
BT-SK动平衡环高速刀杆	54
ISO-SK高速刀杆	54
SK精密筒夹	55
SK扳手	55
SK螺帽	56
HSK A-ER高速刀杆	57
HSK E-ER高速刀杆	59
BT-ER高速刀杆	60
BBT-ER高速刀杆	64
ISO-ER刀杆刀杆	65
ER精密筒夹	66
ER螺帽/扳手	67
强力型立铣刀杆	68
自动钻夹头刀杆	69

目录

机械刀杆

Mechanical Toolholders

HSK-SLA侧固式刀杆	70
BT-SLA侧固式刀杆	71
ER刚性攻牙刀杆	72
ER刚性攻牙筒夹	72
快换式伸缩攻牙刀杆	73
TC快换式扭力攻牙筒夹	73

切削刀具

Cutting tools

BT-MAP模霸刀杆	74
HSK-MAP模霸刀杆	75
BT-MFT锁牙式刀杆	76
锁牙刀头	77
HSK-FM平面铣刀杆	78
BT-FM平面铣刀杆	80
2刃减重型刀盘-铝合金可调节	83
2刃减重型刀盘-刚体可调节	84
铝合金可调式刀盘	85
AP16直角铝合金铣刀盘	86
SE-45°铝合金铣刀盘	86
刀片	87

微调镗刀系统

Heat Shrinking Toolholder

CBH微调精镗刀	88
MBH微调精镗刀	89
RBH可调式双刃粗镗刀	90
CBI微调精镗刀	91



目录

微调镗刀系统

Heat Shrinking Toolholder

NBH2084微调精镗孔系统	93
SBJ-16微调精镗组合	94
HBOR微调精镗孔系统	95
LBK等径延长杆	96
BT-LBK镗刀杆	97
BT-BST镗刀杆	99

其它类型刀杆

Other Types of Tool Holders

BT-SCA侧铣刀杆	99
BT-OD砂轮刀杆	100
BBT-OD砂轮刀杆	100
对刀仪转换套	101
BT-TA主轴检测棒	102
HSK-TA主轴检测棒	103

周边附件

Peripheral Accessories

BT拉钉	104
DIN69872拉钉	105
MAZAK拉钉	105
HSK拉钉	106
拉钉扳手	106
锁刀座	107
寻边器	107
CNC周边工具	108



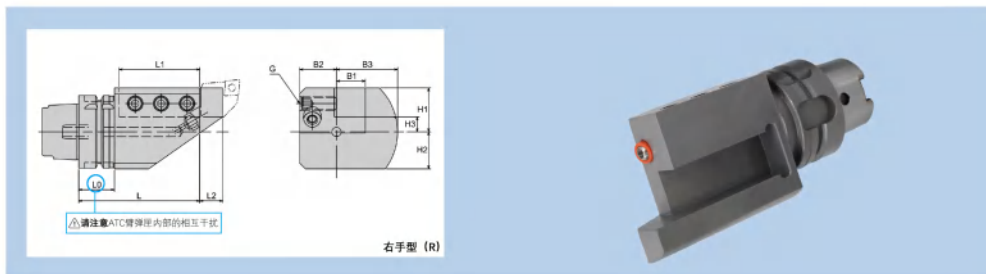
产品特点

- 适用于外径/端面车削等用途
- 高效集成、精密加工
- 支持非标定制

Features

- Designed for applications such as external (OD) turning and face turning.
- High-Efficiency Integration, Precision Machining
- Custom specifications available

SBV (外径切槽加工用)



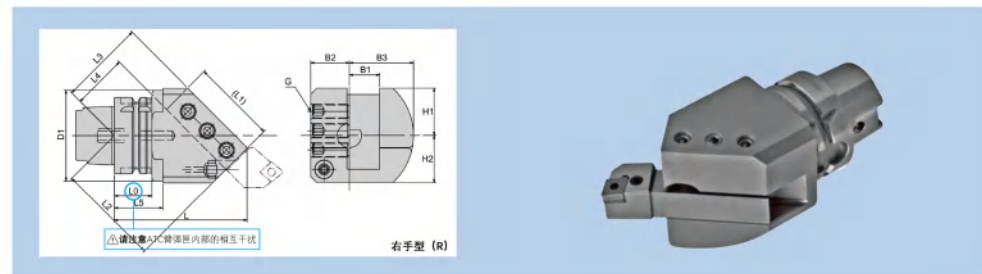
产品特点

- 适用于外径/端面车削等用途
- 高效集成、精密加工
- 支持非标定制

Features

- Designed for applications such as external (OD) turning and face turning.
- High-Efficiency Integration, Precision Machining
- Custom specifications available

SBN (外径端面加工用)



技术参数 | Technical data

规格 Spec.	L [mm]	L1 [mm]	L2 [mm]	B1 [mm]	B2 [mm]	B3 [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L0 [mm]	G	
HSK50T	-SBV2020R-95	95	60	15	20	25	43.5	25	25	5	31	M10
	-SBV2020L-95	95	60	15	20	25	43.5	25	25	5	31	M10
HSK63T	-SBV2020R-95-H	95	60	15	20	32	43.5	33	32	13	32	M10
	-SBV2020L-95-H	95	60	15	20	32	43.5	33	32	13	32	M10
	-SBV2525R-105-H	105	70	20	25	32	45	30	30	5	32	M12
	-SBV2525L-105-H	105	70	20	25	32	45	30	30	5	32	M12
HSK100T	-SBV2525R-150-H	150	110	20	25	37	59	48	43	23	35	M12
	-SBV2525L-150-H	150	110	20	25	37	59	48	43	23	35	M12
	-SBV3232R-150-H	150	110	20	32	40	68.5	45	43	15	35	M14
	-SBV3232L-150-H	150	110	20	32	40	68.5	45	43	15	35	M14

- i** 1. HSK63A和HSK100A型号的标准配置中均设有手动夹具孔 (H) ;
2. 由于刀具柄部的切削形状和位置差异, 可能导致无法夹紧刀具, 因此请务必确认止动螺钉的位置等尺寸参数;
3. 可另外选购:
 定制化: 按要求定制其他尺寸和特殊设计;

- i** 1. HSK63A, HSK100A have manual clamp holes in the shank;
2. Cutting tool may not be clamped depending on the position and/or shape of flat on the cutting tool shank. Please check dimension of the cutting tool including location for setscrews
3. Available as an optional purchase
 Customization: Customized in other sizes and special designs as required.

技术参数 | Technical data

规格 Spec.	L [mm]	(L1) [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L5 [mm]	D1 [mm]	B1 [mm]	B2 [mm]	B3 [mm]	H1 [mm]	H2 [mm]	L0 [mm]	G	
HSK50T	-SBN2020R-110	110	60	83.1	72.8	52.8	--	--	20	25	43.5	35	35	31	M10
	-SBN2020L-110	110	60	83.1	72.8	52.8	--	--	20	25	43.5	35	35	31	M10
HSK63T	-SBN2020R-110-H	110	60	83.1	72.8	52.8	--	--	20	32	43.5	35	35	32	M10
	-SBN2020L-110-H	110	60	83.1	72.8	52.8	--	--	20	32	43.5	35	35	32	M10
	-SBN2525R-110-H	110	70	85.2	70.8	45.8	40	90	25	32	53	39	39	32	M12
	-SBN2525L-110-H	110	70	85.2	70.8	45.8	40	90	25	32	53	39	39	32	M12
HSK100T	-SBN2525R-135-H	135	70	102.9	88.5	63.5	--	--	25	32	59	43	43	35	M12
	-SBN2525L-135-H	135	70	102.9	88.5	63.5	--	--	25	32	59	43	43	35	M12
	-SBN3232R-140-H	140	85	109.9	89	59	--	--	32	37	68.5	48	43	35	M14
	-SBN3232L-140-H	140	85	109.9	89	59	--	--	32	37	68.5	48	43	35	M14

- i** 1. HSK63A和HSK100A型号的标准配置中均设有手动夹具孔 (H) ;
2. 由于刀具柄部的切削形状和位置差异, 可能导致无法夹紧刀具, 因此请务必确认止动螺钉的位置等尺寸参数;
3. 可另外选购:
 定制化: 按要求定制其他尺寸和特殊设计;

- i** 1. HSK63A, HSK100A have manual clamp holes in the shank;
2. Cutting tool may not be clamped depending on the position and/or shape of flat on the cutting tool shank. Please check dimension of the cutting tool including location for setscrews
3. Available as an optional purchase
 Customization: Customized in other sizes and special designs as required.

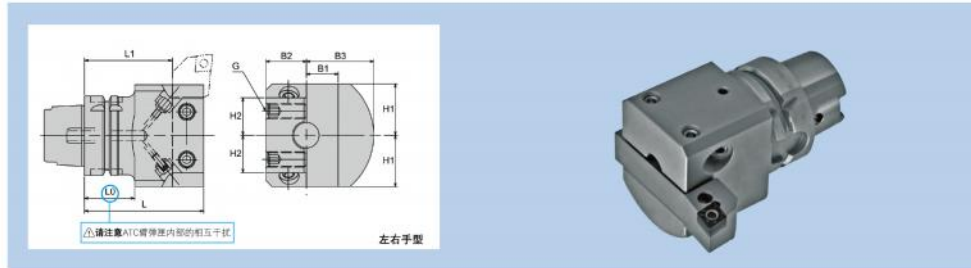
产品特点

- 适用于外径/端面车削等用途
- 高效集成、精密加工
- 支持非标定制

Features

- Designed for applications such as external (OD) turnin
- High-Efficiency Integration, Precision Machining
- Custom specifications available

SBH (端面加工用)



技术参数 | Technical data

规格 Spec.	L [mm]	L1 [mm]	B1 [mm]	B2 [mm]	B3 [mm]	H1 [mm]	H2 [mm]	L0 [mm]	G	
HSK-T50	-SBH2020N-90	90	70	20	25	43.5	27.5	--	40	M10
	-SBH2020N-120	120	100	20	25	43.5	27.5	--	70	M10
HSK-T63	-SBH2020N-90-H	90	70	20	32	43.5	30	--	40	M10
	-SBH2525 N-90-H	90	65	25	32	53	40.5	29.5	40	M12
HSK-T100	-SBH2525 N-120-H	120	95	25	32	53	40.5	29.5	70	M12
	-SBH2525 N-105-H	105	80	25	32	59	48	37	35	M12
	-SBH2525 N-150-H	150	125	25	32	59	48	37	35	M12
	-SBH3232 N-105-H	105	75	32	40	68.5	57	43	35	M14

- i** 1.HSK63A和HSK100A型号的标准配置中均设有手动夹具孔 (H) ;
2.由于刀具柄部的切削形状和位置差异, 可能导致无法夹紧刀具, 因此请务必确认止动螺钉的位置等尺寸参数;
3.可另外选购:
客制化: 按要求定制其他尺寸和特殊设计;

- i** 1.HSK63A, HSK100A have manual clamp holes in the shank;
2.Cutting tool may not be clamped depending on the position and/or shape of flat on the cutting tool shank. Please check dimension of the cutting tool including location for setscrews
3.Available as an optional purchase
Customization: Customized in other sizes and special designs as required.

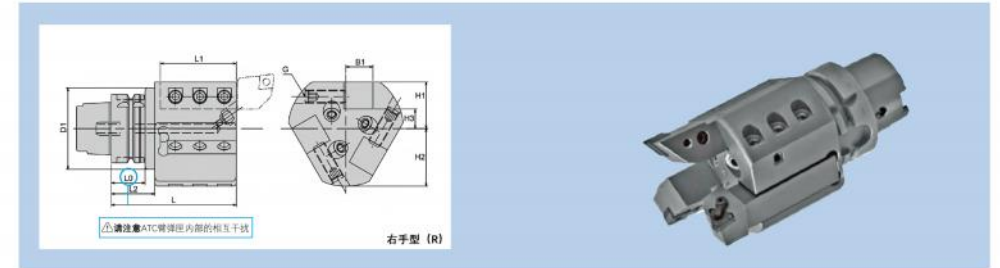
产品特点

- 适用于外径/端面车削等用途
- 高效集成、精密加工
- 支持非标定制

Features

- Designed for applications such as external (OD) turnin
- High-Efficiency Integration, Precision Machining
- Custom specifications available

SBT (外径端面加工用)



技术参数 | Technical data

规格 Spec.	L [mm]	L1 [mm]	L2 [mm]	D1 [mm]	B1 [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L0 [mm]	G	
HSK-T50	-SBT2020R-95	95	60	--	--	20	35	43.5	15	31	M10
	-SBT2020L-95	95	60	--	--	20	35	43.5	15	31	M10
HSK-T63	-SBT2020R-95-H	95	60	--	--	20	35	43.5	15	32	M10
	-SBT2020L-95-H	95	60	--	--	20	35	43.5	15	32	M10
	-SBT2525R-115-H	115	70	40	90	25	43	53	18	32	M12
HSK-T100	-SBT2525L-115-H	115	70	40	90	25	43	53	18	32	M12
	-SBT2525R-150-H	150	110	--	--	25	48	59	23	35	M12
	-SBT2525L-150-H	150	110	--	--	25	48	59	23	35	M12

- i** 1.HSK63A和HSK100A型号的标准配置中均设有手动夹具孔 (H) ;
2.由于刀具柄部的切削形状和位置差异, 可能导致无法夹紧刀具, 因此请务必确认止动螺钉的位置等尺寸参数;
3.可另外选购:
客制化: 按要求定制其他尺寸和特殊设计;

- i** 1.HSK63A, HSK100A have manual clamp holes in the shank;
2.Cutting tool may not be clamped depending on the position and/or shape of flat on the cutting tool shank. Please check dimension of the cutting tool including location for setscrews
3.Available as an optional purchase
Customization: Customized in other sizes and special designs as required.

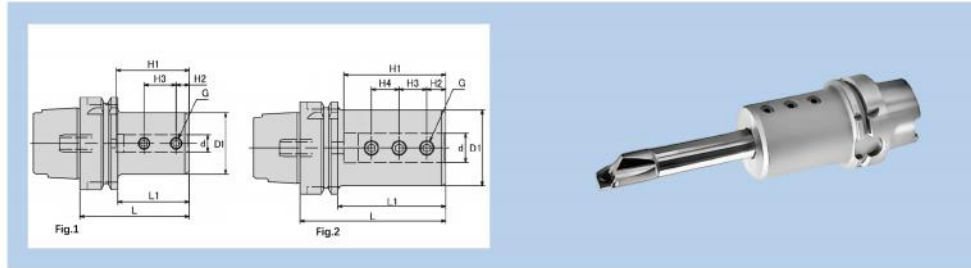
TSB (镗孔加工用)

产品特点

- 适用于镗孔等用途
- 支持非标定制

Features

- Suitable for drilling, boring, reaming and similar operations.
- Custom specifications available



技术参数 | Technical data

规格 Spec.	Fig.	d [mm]	L [mm]	L1 [mm]	D1 [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	G	
HSK-T50	-TSB8-65	1	8	65	39	28	40	9	20	--	M8
	-TSB10-70	1	10	70	44	35	45	9	22	--	M8
	-TSB12-75	1	12	75	49	42	50	9	22	--	M8
HSK-T63	-TSB16-95	2	16	95	69	48	70	14	18	18	M10
	-TSB8-65-H	1	8	65	39	28	40	9	20	--	M8
	-TSB10-70-H	1	10	70	44	35	45	9	22	--	M8
	-TSB12-75-H	1	12	75	49	42	50	9	22	--	M8
	-TSB16-100-H	2	16	100	74	48	70	14	18	18	M10
	-TSB20-100-H	2	20	100	74	52	70	14	18	18	M10
	-TSB25-115-H	2	25	115	89	62	85	14	26	26	M12
	-TSB32-130-H	2	32	130	104	62	100	14	30	30	M12
HSK-T100	-TSB10-80-H	1	10	80	51	35	45	9	22	--	M8
	-TSB12-85-H	1	12	85	56	42	50	9	22	--	M8
	-TSB16-105-H	2	16	105	76	48	70	14	18	18	M10
	-TSB20-105-H	2	20	105	76	52	70	14	18	18	M10
	-TSB25-120-H	2	25	120	91	62	85	14	26	26	M12
-TSB32-135-H	2	32	135	106	72	100	14	30	30	M12	

- i** 1.HSK63A和HSK100A型号的标准配置中均设有手动夹具孔 (H) ;
2.由于刀具柄部的切削形状和位置差异, 可能导致无法夹紧刀具, 因此请务必确认止动螺钉的位置等尺寸参数;
3.可另外选购:
客制化: 按要求定制其他尺寸和特殊设计;

- i** 1.HSK63A, HSK100A have manual clamp holes in the shank;
2.Cutting tool may not be clamped depending on the position and/or shape of flat on the cutting tool shank. Please check dimension of the cutting tool including location for setscrews
3.Available as an optional purchase
Customization: Customized in other sizes and special designs as required.

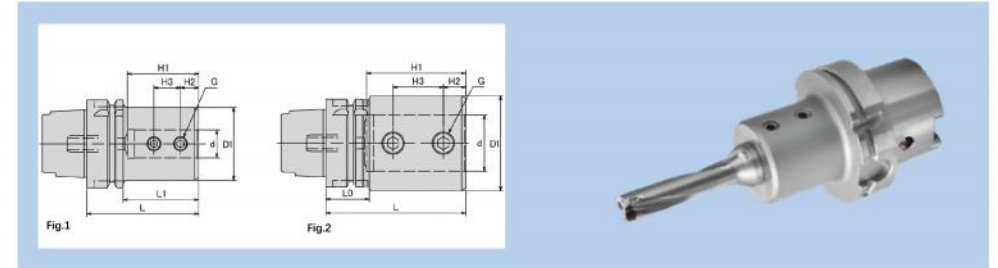
TSD (钻孔加工用)

产品特点

- 适用于钻孔、扩孔、铰孔等用途
- 支持非标定制

Features

- Suitable for drilling, boring, reaming and similar operations.
- Custom specifications available



技术参数 | Technical data

规格 Spec.	Fig.	d [mm]	L [mm]	L1 [mm]	D1 [mm]	H1 [mm]	H2 [mm]	H3 [mm]	L0 [mm]	G	
HSK-T50	-TSD16-75	1	16	75	49	48	49	14	18	--	M10
	-TSD20-80	2	20	80	--	52	51	14	18	31	M10
	-TSD25-85	2	25	85	--	62	57	14	26	31	M12
HSK-T63	-TSD32-90	2	32	90	--	62	61	14	30	31	M12
	-TSD16-75-H	1	16	75	49	48	49	14	18	--	M10
	-TSD20-80-H	1	20	80	54	52	51	14	18	--	M10
	-TSD25-85-H	1	25	85	59	62	57	14	26	--	M12
HSK-T100	-TSD32-90-H	1	32	90	64	62	61	14	30	--	M12
	-TSD40-100-H	2	40	100	--	68	71	16	36	32	M16
	-TSD16-85-H	1	16	85	56	48	49	14	18	--	M10
	-TSD20-85-H	1	20	85	56	52	51	14	18	--	M10
	-TSD25-90-H	1	25	90	61	62	57	14	26	--	M12
-TSD32-95-H	1	32	95	66	72	61	14	30	--	M12	

- i** 1.HSK63A和HSK100A型号的标准配置中均设有手动夹具孔 (H) ;
2.由于刀具柄部的切削形状和位置差异, 可能导致无法夹紧刀具, 因此请务必确认止动螺钉的位置等尺寸参数;
3.可另外选购:
客制化: 按要求定制其他尺寸和特殊设计;

- i** 1.HSK63A, HSK100A have manual clamp holes in the shank;
2.Cutting tool may not be clamped depending on the position and/or shape of flat on the cutting tool shank. Please check dimension of the cutting tool including location for setscrews
3.Available as an optional purchase
Customization: Customized in other sizes and special designs as required.

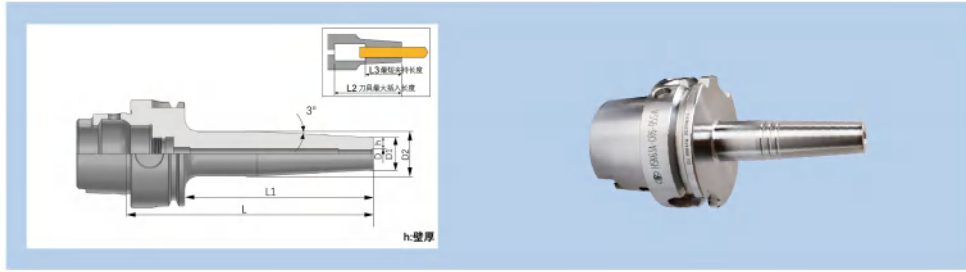


产品特点

- 薄壁型: SA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thin-wall type: SA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm

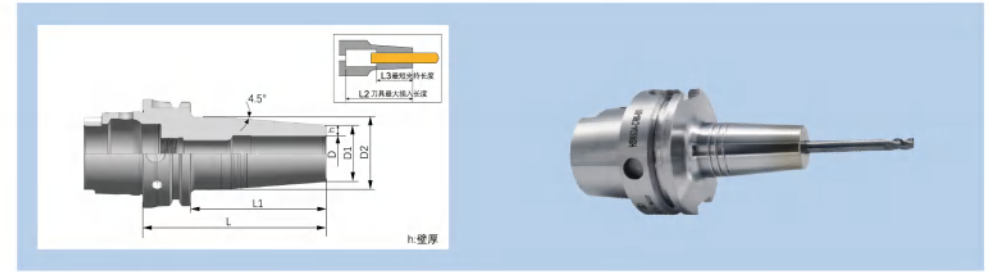


产品特点

- 厚壁型: RA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thick-wall type: RA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
HSK40A	-CR3-60SA	3	11.5	14.5	4.25	60	40	38	12
	-CR4-60SA	4	12	14.5	4	60	40	38	15
	-CR4-90SA	4	12	16	4	90	70	68	15
	-CR5-60SA	5	13	16	4	60	40	38	18
	-CR5-90SA	5	13	18	4	90	70	68	18
	-CR6-60SA	6	13	16	3.5	60	40	38	26
	-CR6-90SA	6	13	18	3.5	90	70	68	26
	-CR8-60SA	8	14	16	3	60	40	38	26
	-CR8-90SA	8	14	18	3	90	70	68	26
HSK50A	-CR3-70SA	3	11.5	14.5	4.25	70	44	43	12
	-CR3-90SA	3	11.5	16.5	4.25	90	64	63	12
	-CR4-70SA	4	12	14.5	4	70	44	43	15
	-CR4-90SA	4	12	16.5	4	90	64	63	15
	-CR5-70SA	5	13	16	4	70	44	43	18
	-CR5-90SA	5	13	18	4	90	64	63	18
	-CR6-70SA	6	13	16	3.5	70	44	43	26
	-CR6-90SA	6	13	18	3.5	90	64	63	26
	-CR8-70SA	8	14	16	3	70	44	43	26
-CR8-90SA	8	14	18	3	90	64	63	26	
HSK63A	-CR3-90SA	3	11.5	16.5	4.25	90	64	66	12
	-CR3-120SA	3	11.5	16.5	4.25	120	94	96	12
	-CR4-90SA	4	12	16.5	4	90	64	66	15
	-CR4-120SA	4	12	16.5	4	120	94	96	15
	-CR5-90SA	5	13	18	4	90	64	66	18
	-CR5-120SA	5	13	18	4	120	94	96	18
	-CR6-90SA	6	13	18	3.5	90	64	66	26
	-CR6-120SA	6	13	18	3.5	120	94	96	26
	-CR8-90SA	8	14	18	3	90	64	66	26
-CR8-120SA	8	14	18	3	120	94	96	26	

技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]		
HSK40A	-CR6-60RA	6	21	27	7.5	60	40	36	26	
	-CR6-80RA	6	21	27	7.5	80	60	36	26	
	-CR8-80RA	8	21	27	6.5	80	60	36	26	
	-CR8-130RA	8	21	27	6.5	130	110	50	40	
	-CR10-80RA	10	24	32	7	80	60	42	32	
	-CR10-130RA	10	24	32	7	130	110	50	40	
	-CR12-90RA	12	24	32	6	90	70	47	37	
	-CR12-130RA	12	24	32	6	130	110	70	60	
	-CR14-90RA	14	27	34	6.5	90	70	47	37	
	-CR16-90RA	16	27	34	5.5	90	70	50	40	
	HSK50A	-CR6-80RA	6	21	27	7.5	80	54	36	26
		-CR6-130RA	6	21	27	7.5	130	104	36	26
-CR8-80RA		8	21	27	6.5	80	54	36	26	
-CR8-130RA		8	21	27	6.5	130	104	36	26	
-CR10-85RA		10	24	32	7	85	59	42	32	
-CR10-130RA		10	24	32	7	130	104	42	32	
-CR12-90RA		12	24	32	6	90	64	47	37	
-CR12-130RA		12	24	32	6	130	104	47	37	
-CR14-90RA		14	27	34	6.5	90	64	47	37	
-CR16-95RA		16	27	34	5.5	95	69	50	40	
-CR16-130RA		16	27	34	5.5	130	104	50	40	
HSK63A		-CR6-80RA	6	21	27	7.5	80	54	36	26
	-CR6-130RA	6	21	27	7.5	130	104	36	26	
	-CR6-160RA	6	21	27	7.5	160	134	36	26	
	-CR8-80RA	8	21	27	6.5	80	54	36	26	
	-CR8-130RA	8	21	27	6.5	130	104	36	26	
	-CR8-160RA	8	21	27	6.5	160	134	36	26	
	-CR10-85RA	10	24	32	7	85	59	42	32	
	-CR10-130RA	10	24	32	7	130	104	42	32	

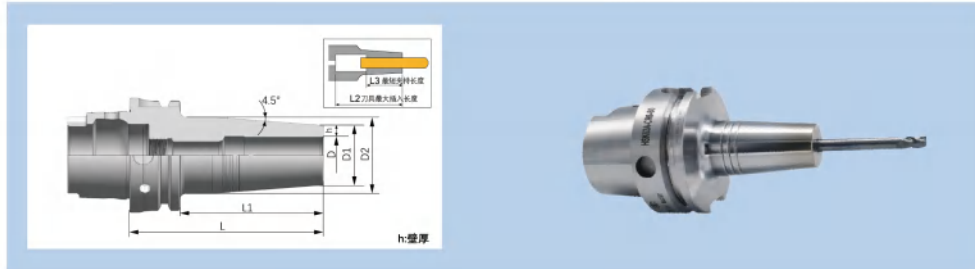


产品特点

- 厚壁型: RA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thick-wall type: RA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm

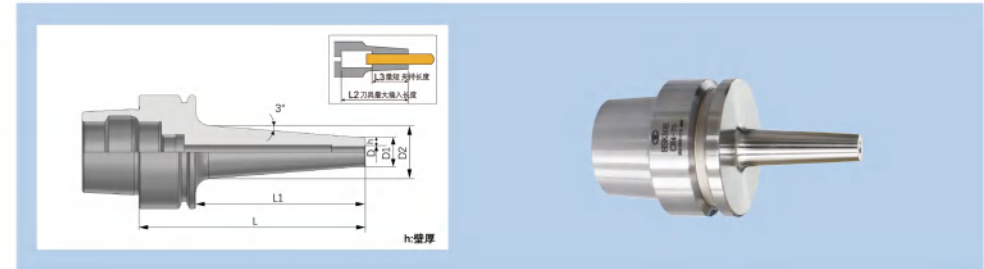


产品特点

- 薄壁型: SA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thin-wall type: SA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
HSK63A	-CR10-160RA	10	24	32	7	160	134	42	32
	-CR12-90RA	12	24	32	6	90	64	47	37
	-CR12-130RA	12	24	32	6	130	104	47	37
	-CR12-160RA	12	24	32	6	160	134	47	37
	-CR14-90RA	14	27	34	6.5	90	64	47	37
	-CR14-130RA	14	27	34	6.5	130	104	47	37
	-CR14-160RA	14	27	34	5.5	160	134	47	37
	-CR16-95RA	16	27	34	5.5	95	69	50	40
	-CR16-130RA	16	27	34	5.5	130	104	50	40
	-CR16-160RA	16	27	34	5.5	160	134	50	40
	-CR18-95RA	18	33	42	7.5	95	69	50	40
	-CR18-130RA	18	33	42	7.5	130	104	50	40
-CR18-160RA	18	33	42	7.5	160	134	50	40	
-CR20-100RA	20	33	42	6.5	100	74	52	42	
-CR20-130RA	20	33	42	6.5	130	104	52	42	
-CR20-160RA	20	33	42	6.5	160	134	52	42	
-CR25-115RA	25	44	53	9.5	115	89	58	48	
-CR25-130RA	25	44	53	6	130	104	58	48	
-CR25-160RA	25	44	53	6	160	134	58	48	
-CR32-120RA	32	44	53	6	120	94	58	48	
-CR32-160RA	32	44	53	6	160	134	58	48	

i 可另外选购

定制化: 按要求定制其他尺寸和特殊设计;
附有动平衡调整螺丝孔类型: 可在夹持刀具后, 进行更高速度动平衡校正;
附有中心出水孔类型: 内冷却端面出水。

i Available as an optional purchase

Customization: Customized in other sizes and special designs as required;
Type with dynamic balance adjustment screw holes:
Enables high-speed dynamic balancing correction after clamping the tool;
Type with central coolant outlet holes:
Internal coolant supply with end face discharge.

技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
HSK25E	-CR3-35SA	3	11.5	14.5	4.25	35	25	20	12
	-CR3-50SA	3	11.5	14.5	4.25	50	40	35	12
	-CR4-35SA	4	12	14.5	4	35	25	20	15
	-CR4-50SA	4	12	14.5	4	50	40	35	15
	-CR5-50SA	5	13	16	4	50	40	35	18
	-CR6-50SA	6	13	16	3.5	50	40	35	24
HSK32E	-CR3-45SA	3	11.5	14.5	4.25	45	25	28	12
	-CR3-60SA	3	11.5	14.5	4.25	60	40	43	12
	-CR4-45SA	4	12	14.5	4	45	25	28	15
	-CR4-60SA	4	12	14.5	4	60	40	43	15
	-CR5-45SA	5	13	16	4	45	25	28	18
	-CR5-60SA	5	13	16	4	60	40	43	18
HSK40E	-CR6-60SA	6	13	16	3.5	60	40	43	26
	-CR8-60SA	8	14	16	3	60	40	43	26
	-CR3-60SA	3	11.5	14.5	4.25	60	40	43	12
	-CR4-60SA	4	12	14.5	4	60	40	43	15
	-CR5-60SA	5	13	16	4	60	40	43	18
	-CR6-60SA	6	13	16	3.5	60	40	43	26
HSK50E	-CR6-80SA	6	13	16	3.5	80	60	63	26
	-CR8-60SA	8	14	16	3	60	40	43	26
	-CR8-80SA	8	14	16	3	80	60	63	26
	-CR3-70SA	3	11.5	14.5	4.25	70	44	51	12
	-CR4-70SA	4	12	14.5	4	70	44	51	15
	-CR5-70SA	5	13	16	4	70	44	51	18
HSK50E	-CR6-70SA	6	13	16	3.5	70	44	51	26
	-CR6-90SA	6	13	16	3.5	90	64	71	26
	-CR8-70SA	8	14	16	3	70	44	51	26
	-CR8-90SA	8	14	16	3	90	64	71	26

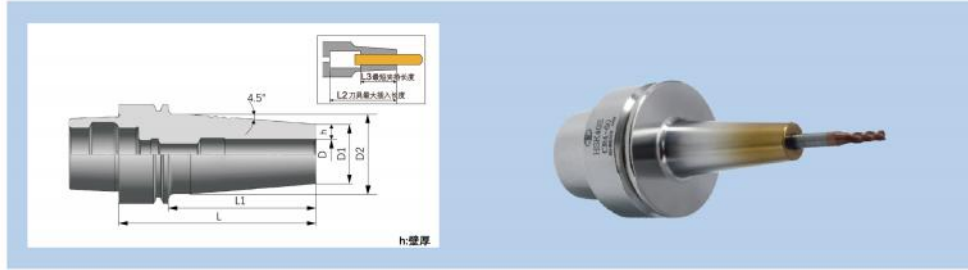


产品特点

- 厚壁型: RA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thick-wall type: RA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm

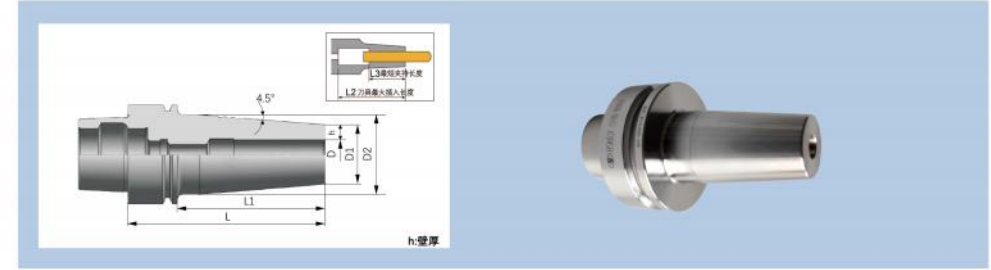


产品特点

- 厚壁型: RA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thick-wall type: RA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
HSK32E	-CR6-50RA	6	21	32	7.5	50	30	36	26
	-CR8-60RA	8	21	34	6.5	60	40	36	26
	-CR10-60RA	10	24	34	7	60	40	42	32
	-CR12-70RA	12	24	34	6	70	50	47	37
HSK40E	-CR6-60RA	6	21	27	7.5	60	40	36	26
	-CR6-80RA	6	21	27	7.5	80	60	36	26
	-CR8-60RA	8	21	27	6.5	60	40	36	26
	-CR8-80RA	8	21	27	6.5	80	60	36	26
	-CR10-60RA	10	24	32	7	60	40	42	32
	-CR10-80RA	10	24	32	7	80	60	42	32
	-CR12-60RA	12	24	32	6	60	40	47	37
	-CR12-90RA	12	24	32	6	90	70	47	37
	-CR14-60RA	14	27	34	6.5	60	40	47	37
	-CR14-90RA	14	27	34	6.5	90	70	47	37
	-CR16-90RA	16	27	34	5.5	90	70	50	40
	HSK50E	-CR6-80RA	6	21	27	7.5	80	54	36
-CR8-80RA		8	21	27	6.5	80	54	36	26
-CR10-80RA		10	24	32	7	80	54	42	32
-CR10-130RA		10	24	32	7	130	104	42	32
-CR12-80RA		12	24	32	6	80	54	47	37
-CR12-90RA		12	24	32	6	90	64	47	37
-CR14-90RA		14	27	34	6.5	90	64	47	37
-CR14-130RA		14	27	34	6.5	130	104	47	37
-CR16-95RA	16	27	34	5.5	95	69	50	40	

技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
HSK63F	-CR6-90RA	6	21	22	7.5	90	64	36	26
	-CR8-90RA	8	21	22	6.5	90	64	36	26
	-CR10-90RA	10	24	27	7	90	64	42	32
	-CR12-90RA	12	24	27	6	90	64	47	37
	-CR16-90RA	16	29	32	6.5	90	64	50	40
	-CR18-90RA	18	33	32	7.5	90	64	50	40
	-CR20-90RA	20	33	34	6.5	90	64	52	42
-CR25-90RA	25	44	34	9.5	90	64	58	48	

可另外选购

- 定制化: 按客户要求定制其他尺寸和特殊设计;
- 附有动平衡调整螺丝孔类型: 可在夹持刀具后, 进行更高速度平衡校正;
- 附有中心出水孔类型: 内冷却端面出水。

Available as an optional purchase

- Customization: Customized in other sizes and special designs as required;
- Type with dynamic balance adjustment screw holes: Enables high-speed dynamic balancing correction after clamping the tool;
- Type with central coolant outlet holes: Internal coolant supply with end face discharge.

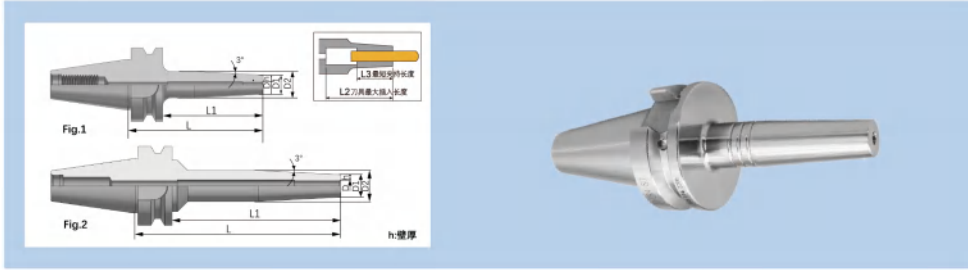


产品特点

- 薄壁型: SA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thin-wall type: SA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm



技术参数 | Technical data

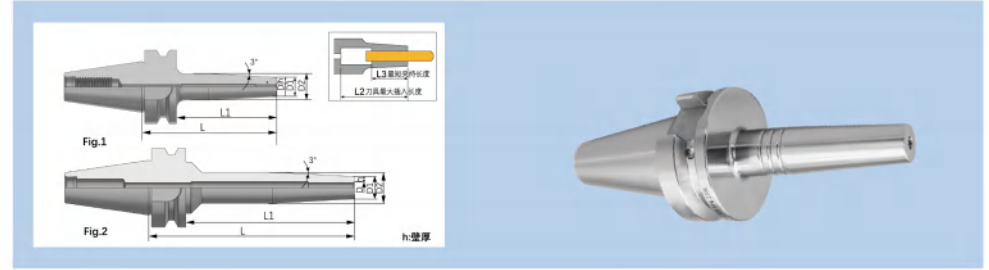
规格 Spec.	Fig.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BT30	-CR3-60SA	1	3	11.5	14.5	4.25	60	38	40	12
	-CR3-80SA	1	3	11.5	16.5	4.25	80	58	55	12
	-CR3-105SA	1	3	11.5	16.5	4.25	105	83	80	12
	-CR3-120SA	2	3	11.5	16.5	4.25	120	98	95	12
	-CR3-145SA	2	3	11.5	16.5	4.25	145	123	120	12
	-CR4-60SA	1	4	12	14.5	4	60	38	40	15
	-CR4-80SA	1	4	12	16.5	4	80	58	55	15
	-CR4-105SA	1	4	12	16.5	4	105	83	80	15
	-CR4-120SA	2	4	12	16.5	4	120	98	95	15
	-CR4-145SA	2	4	12	16.5	4	145	123	120	15
	-CR5-60SA	1	5	13	16	4	60	38	40	18
	-CR5-80SA	1	5	13	18	4	80	58	55	18
	-CR5-105SA	1	5	13	18	4	105	83	80	18
	-CR5-120SA	2	5	13	18	4	120	98	95	18
	-CR5-145SA	2	5	13	18	4	145	123	120	18
	-CR6-60SA	1	6	13	16	3.5	60	38	40	26
	-CR6-80SA	1	6	13	18	3.5	80	58	55	26
	-CR6-105SA	1	6	13	18	3.5	105	83	80	26
	-CR6-120SA	2	6	13	18	3.5	120	98	95	26
	-CR6-145SA	2	6	13	18	3.5	145	123	120	26
	-CR8-60SA	1	8	14	16	3	60	38	40	26
	-CR8-80SA	1	8	14	18	3	80	58	55	26
	-CR8-105SA	1	8	14	18	3	105	83	80	26
	-CR8-120SA	2	8	14	18	3	120	98	95	26
-CR8-145SA	2	8	14	18	3	145	123	120	26	

产品特点

- 薄壁型: SA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thin-wall type: SA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm



技术参数 | Technical data

规格 Spec.	Fig.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BT40	-CR3-70SA	1	3	11.5	14.5	4.25	70	43	47	12
	-CR3-90SA	1	3	11.5	16.5	4.25	90	63	67	12
	-CR3-120SA	1	3	11.5	16.5	4.25	120	93	97	12
	-CR3-135SA	2	3	11.5	16.5	4.25	135	108	112	12
	-CR3-160SA	2	3	11.5	16.5	4.25	160	133	137	12
	-CR4-70SA	1	4	12	16	4	70	43	47	15
	-CR4-90SA	1	4	12	18	4	90	63	67	15
	-CR4-120SA	1	4	12	18	4	120	93	97	15
	-CR4-135SA	2	4	12	18	4	135	108	112	15
	-CR4-160SA	2	4	12	18	4	160	133	137	15
	-CR5-70SA	1	5	13	16	4	70	43	47	18
	-CR5-90SA	1	5	13	18	4	90	63	67	18
	-CR5-120SA	1	5	13	18	4	120	93	97	18
	-CR5-135SA	2	5	13	18	4	135	108	112	18
	-CR5-160SA	2	5	13	18	4	160	133	137	18
	-CR6-70SA	1	6	13	16	3.5	70	43	47	26
	-CR6-90SA	1	6	13	18	3.5	90	63	67	26
	-CR6-120SA	1	6	13	18	3.5	120	93	97	26
	-CR6-135SA	2	6	13	18	3.5	135	108	112	26
	-CR6-160SA	2	6	13	18	3.5	160	133	137	26
	-CR8-70SA	1	8	14	16	3	70	43	47	26
	-CR8-90SA	1	8	14	18	3	90	63	67	26
	-CR8-120SA	1	8	14	18	3	120	93	97	26
	-CR8-135SA	2	8	14	18	3	135	108	112	26
-CR8-160SA	2	8	14	18	3	160	133	137	26	

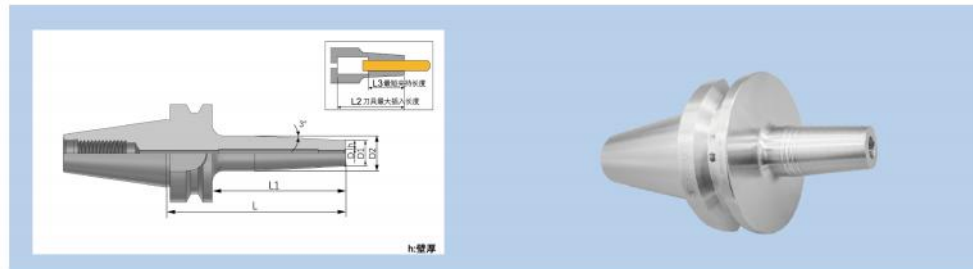


产品特点

- 薄壁型: SA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thin-wall type: SA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm

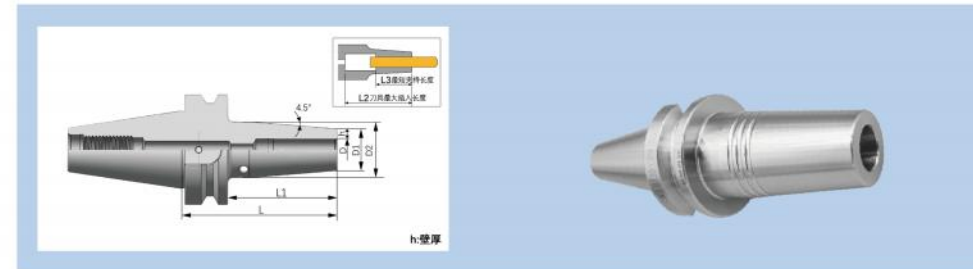


产品特点

- 厚壁型: RA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thick-wall type: RA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BT50	-CR3-100SA	3	11.5	14.5	4.25	100	62	70	12
	-CR3-120SA	3	11.5	16.5	4.25	120	82	90	12
	-CR3-135SA	3	11.5	16.5	4.25	135	97	105	12
	-CR4-100SA	4	12	14.5	4	100	62	70	15
	-CR4-120SA	4	12	16.5	4	120	82	90	15
	-CR4-135SA	4	12	16.5	4	135	97	105	15
	-CR5-100SA	5	13	16	4	100	62	70	18
	-CR5-120SA	5	13	18	4	120	82	90	18
	-CR5-135SA	5	13	18	4	135	97	105	18
	-CR6-100SA	6	13	16	3.5	100	62	70	26
	-CR6-120SA	6	13	18	3.5	120	82	90	26
	-CR6-135SA	6	13	18	3.5	135	97	105	26
BT30 (无键槽)	-CR8-100SA	8	14	16	3	100	62	70	26
	-CR8-120SA	8	14	18	3	120	82	90	26
	-CR8-135SA	8	14	18	3	135	97	105	26
	-CR4-80S	4	12	14.5	4	80	58	60	15
	-CR6-80S	6	13	16	3.5	80	58	60	26
	-CR8-80S	8	14	16	3	80	58	60	26

i 可另外选购

定制化: 按要求定制其他尺寸和特殊设计;

附有动平衡调整螺丝孔类型: 可在夹持刀具后, 进行更高速度平衡校正。

i Available as an optional purchase

Customization: Customized in other sizes and special designs as required;

Type with dynamic balance adjustment screw holes:

Enables high-speed dynamic balancing correction after clamping the tool;

技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BT30	-CR6-80RA	6	21	27	7.5	80	58	36	26
	-CR6-105RA	6	21	27	7.5	105	83	36	26
	-CR6-135RA	6	21	27	7.5	135	113	36	26
	-CR6-180RA	6	21	27	7.5	180	158	36	26
	-CR6-210RA	6	21	27	7.5	210	188	36	26
	-CR8-80RA	8	21	27	6.5	80	58	36	26
	-CR8-105RA	8	21	27	6.5	105	83	36	26
	-CR8-135RA	8	21	27	6.5	135	113	36	26
	-CR8-160RA	8	21	27	6.5	160	138	36	26
	-CR10-80RA	10	24	32	7	80	58	42	32
	-CR10-105RA	10	24	32	7	105	83	42	32
	-CR10-135RA	10	24	32	7	135	113	42	32
	-CR10-160RA	10	24	32	7	160	138	42	32
	-CR12-80RA	12	24	32	6	80	58	47	37
	-CR12-105RA	12	24	32	6	105	83	47	37
	-CR12-135RA	12	24	32	6	135	113	47	37
	-CR14-80RA	14	27	34	6.5	80	58	47	37
	-CR14-105RA	14	27	34	6.5	105	83	47	37
	-CR14-135RA	14	27	34	6.5	135	113	47	37
	-CR16-80RA	16	27	34	5.5	80	58	50	40
	-CR16-105RA	16	27	34	5.5	105	83	50	40
	-CR16-135RA	16	27	34	5.5	135	113	50	40
	-CR18-80RA	18	33	42	7.5	80	58	50	40
	-CR18-105RA	18	33	42	7.5	105	83	50	40
-CR18-135RA	18	33	42	7.5	135	113	50	40	
-CR20-80RA	20	33	42	6.5	80	58	52	42	
-CR20-105RA	20	33	42	6.5	105	83	52	42	
-CR20-135RA	20	33	42	6.5	135	113	52	42	

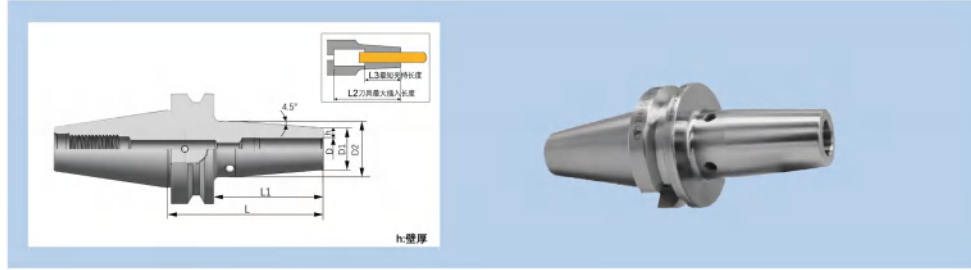


产品特点

- 厚壁型: RA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thick-wall type: RA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm

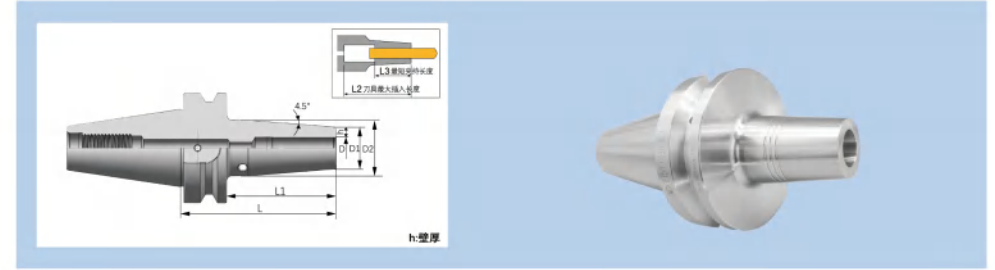


产品特点

- 厚壁型: RA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thick-wall type: RA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BT40	-CR6-90RA	6	21	27	7.5	90	63	36	26
	-CR6-130RA	6	21	27	7.5	130	103	36	26
	-CR6-160RA	6	21	27	7.5	160	133	36	26
	-CR8-90RA	8	21	27	6.5	90	63	36	26
	-CR8-130RA	8	21	27	6.5	130	103	36	26
	-CR8-160RA	8	21	27	6.5	160	133	36	26
	-CR9-90RA	9	21	27	6	90	63	36	26
	-CR10-90RA	10	24	32	7	90	63	42	32
	-CR10-130RA	10	24	32	7	130	103	42	32
	-CR10-160RA	10	24	32	7	160	133	42	32
	-CR12-90RA	12	24	32	6	90	63	47	37
	-CR12-130RA	12	24	32	6	130	103	47	37
	-CR12-160RA	12	24	32	6	160	133	47	37
	-CR13-90RA	13	24	32	5.5	90	43	47	37
	-CR14-90RA	14	27	34	6.5	90	63	47	37
	-CR14-130RA	14	27	34	6.5	130	103	47	37
	-CR14-160RA	14	27	34	6.5	160	133	47	37
	-CR16-90RA	16	27	34	5.5	90	63	50	40
	-CR16-130RA	16	27	34	5.5	130	103	50	40
	-CR16-160RA	16	27	34	5.5	160	133	50	40
	-CR18-90RA	18	33	42	7.5	90	63	50	40
	-CR18-130RA	18	33	42	7.5	130	103	50	40
	-CR18-160RA	18	33	42	7.5	160	133	50	40
	-CR20-90RA	20	33	42	6.5	90	63	52	42
	-CR20-130RA	20	33	42	6.5	130	103	52	42
-CR20-160RA	20	33	42	6.5	160	133	52	42	
-CR25-90RA	25	44	53	9.5	90	63	58	48	
-CR25-130RA	25	44	53	9.5	130	103	58	48	
-CR25-160RA	25	44	53	9.5	160	132	58	48	

技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BT50	-CR6-100RA	6	21	27	7.5	100	62	36	26
	-CR6-130RA	6	21	27	7.5	130	82	36	26
	-CR8-100RA	8	21	27	6.5	100	62	36	26
	-CR8-130RA	8	21	27	6.5	130	92	36	26
	-CR10-100RA	10	24	32	7	100	62	42	32
	-CR10-130RA	10	24	32	7	130	92	42	32
	-CR12-100RA	12	24	32	6	100	62	47	37
	-CR12-130RA	12	24	32	6	130	92	47	37
	-CR14-100RA	14	27	34	6.5	100	62	47	37
	-CR14-130RA	14	27	34	6.5	130	92	47	37
	-CR16-100RA	16	27	34	5.5	100	62	50	40
	-CR16-130RA	16	27	34	5.5	130	92	50	40
	-CR18-100RA	18	33	42	7.5	100	62	50	40
	-CR18-130RA	18	33	42	7.5	130	92	50	40
	-CR20-100RA	20	33	42	6.5	100	62	52	42
	-CR20-130RA	20	33	42	6.5	130	92	52	42
	-CR25-100RA	25	44	53	9.5	100	62	58	48
	-CR25-130RA	25	44	53	9.5	130	92	58	48
	-CR32-100RA	32	44	53	6	100	62	58	48
	-CR32-130RA	32	44	53	6	130	92	58	48

i 可另外选购

客制化: 按要求定制其他尺寸和特殊设计;
附有动平衡调整螺丝孔类型: 可在夹持刀具后, 进行更高速动平衡校正;
附有中心出水孔类型: 内冷却端面出水。

i Available as an optional purchase

Customization: Customized in other sizes and special designs as required;
Type with dynamic balance adjustment screw holes:
Enables high-speed dynamic balancing correction after clamping the tool;
Type with central coolant outlet holes:
Internal coolant supply with end face discharge.

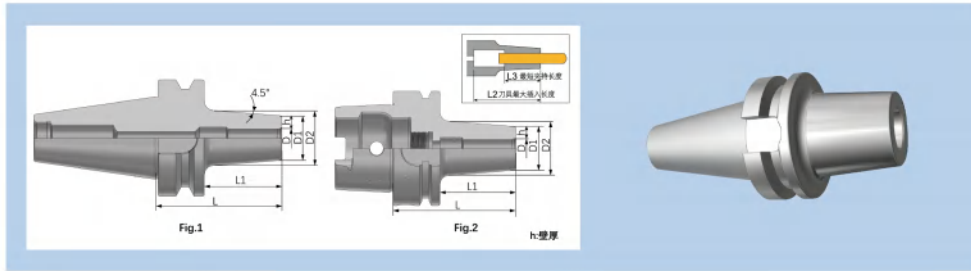


产品特点

- 强力型: PRA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thick-wall type: PRA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm



技术参数 | Technical data

规格 Spec.	Fig.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BT40	-CR6-70PRA	1	6	22	50	8	70	43	36	26
	-CR8-70PRA	1	8	22	50	7	70	43	36	26
	-CR10-70PRA	1	10	26.5	50	8.25	70	43	42	32
	-CR12-70PRA	1	12	26.5	50	7.25	70	43	47	37
	-CR14-70PRA	1	14	29.5	50	7.75	70	43	47	37
	-CR16-70PRA	1	16	29.5	50	6.75	70	43	50	40
	-CR18-70PRA	1	18	35.5	50	8.75	70	43	50	40
	-CR20-70PRA	1	20	35.5	50	7.75	70	43	52	42
	-CR25-70PRA	1	25	45.5	50	10.25	70	43	58	48
BT50	-CR10-100PRA	1	10	27	55	8.5	100	62	42	32
	-CR12-100PRA	1	12	27	55	7.5	100	62	47	37
	-CR16-100PRA	1	16	33.3	--	8.65	100	62	50	40
	-CR18-100PRA	1	18	44.7	--	13.35	100	62	50	40
	-CR20-100PRA	1	20	44.7	--	12.35	100	62	52	42
	-CR25-100PRA	1	25	44.7	--	9.85	100	62	58	48
HSK63A	-CR6-70PRA	2	6	22	--	8	70	44	38	28
	-CR8-70PRA	2	8	22	--	7	70	44	38	28
	-CR10-70PRA	2	10	26.5	--	8.25	70	44	43	33
	-CR12-70PRA	2	12	26.5	--	7.25	70	44	46	36
	-CR16-75PRA	2	16	29.5	--	6.75	75	49	49	39
	-CR18-75PRA	2	18	35.5	--	8.75	75	49	49	39
	-CR20-75PRA	2	20	35.5	--	7.75	75	49	49	39
	-CR25-85PRA	2	25	45	51	10	85	59	57	47
	-CR32-85PRA	2	32	45	51	6.5	85	59	59	49
HSK100A	-CR10-90PRA	2	10	27	53	8.5	90	61	42	32
	-CR12-95PRA	2	12	27	73	7.5	95	66	47	37
	-CR16-100PRA	2	16	33	78	8.5	100	71	50	40
	-CR18-100PRA	2	18	44	76	13	100	71	50	40

产品特点

- 薄壁型: SA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thin-wall type: SA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm



技术参数 | Technical data

规格 Spec.	Fig.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BBT30	-CR3-80SA	3	11.5	14.5	4.25	80	59	55	12	
	-CR4-80SA	4	12	16.5	4	80	59	55	15	
	-CR5-80SA	5	13	18	4	80	59	55	18	
	-CR6-80SA	6	13	18	3.5	80	59	55	26	
	-CR7-80SA	7	14	18	3.5	80	59	55	26	
	-CR8-80SA	8	14	18	3	80	59	55	26	
	-CR9-80SA	9	16	21	3.5	80	59	55	32	
	-CR10-80SA	10	16	21	3	80	59	55	32	
	BBT40	-CR3-90SA	3	11.5	14.5	4.25	90	64	67	12
		-CR4-90SA	4	12	16.5	4	90	64	67	15
-CR5-90SA		5	13	18	4	90	64	67	18	
-CR6-90SA		6	13	18	3.5	90	64	67	26	
-CR7-90SA		7	14	18	3.5	90	64	67	26	
-CR8-90SA		8	14	18	3	90	64	67	26	
-CR9-90SA		9	16	21	3.5	90	64	67	32	
-CR10-90SA		10	16	21	3	90	64	67	32	

i 可另外选购

定制化: 按要求定制其他尺寸和特殊设计;

附有动平衡调整螺丝孔类型: 可在夹持刀具后, 进行更高速度平衡校正;

i Available as an optional purchase

Customization: Customized in other sizes and special designs as required;

Type with dynamic balance adjustment screw holes:

Enables high-speed dynamic balancing correction after clamping the tool;

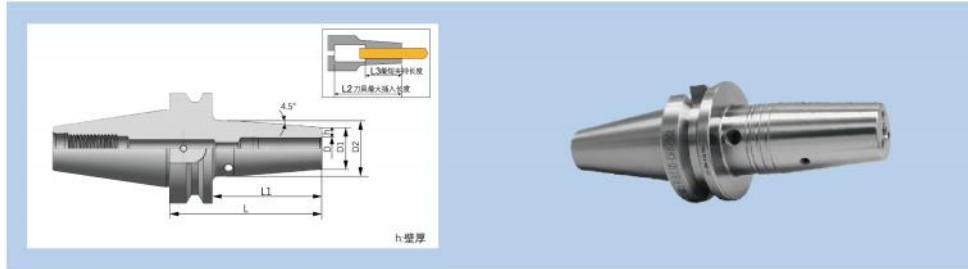


产品特点

- 厚壁型: RA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 动平衡: G2.5 36000rpm

Features

- Thick-wall type: RA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Dynamic balance: G2.5 at 36000 rpm



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BBT30	-CR6-80RA	6	21	27	7.5	80	59	36	26
	-CR7-80RA	7	21	27	7	80	59	36	26
	-CR8-80RA	8	21	27	6.5	80	59	36	26
	-CR9-80RA	9	24	32	7.5	80	59	42	32
	-CR10-80RA	10	24	32	7	80	59	42	32
	-CR12-80RA	12	24	32	6	80	59	47	37
	-CR14-80RA	14	27	34	6.5	80	59	47	37
	-CR16-80RA	16	27	34	5.5	80	59	50	40
	-CR18-80RA	18	33	42	7.5	80	59	50	40
	-CR20-80RA	20	33	42	6.5	80	59	52	42
BBT40	-CR6-90RA	6	21	27	7.5	90	64	36	26
	-CR7-90RA	7	21	27	7	90	64	36	26
	-CR8-90RA	8	21	27	6.5	90	64	36	26
	-CR9-90RA	9	24	32	7.5	90	64	42	32
	-CR10-90RA	10	24	32	7	90	64	42	32
	-CR12-90RA	12	24	32	6	90	64	47	37
	-CR14-90RA	14	27	34	6.5	90	64	47	37
	-CR16-90RA	16	27	34	5.5	90	64	50	40
	-CR18-90RA	18	33	42	7.5	90	64	50	40
	-CR20-90RA	20	33	42	6.5	90	64	52	42
	-CR25-90RA	25	44	53	9.5	90	64	58	48

i 可另外选购
定制化: 按要求定制其他尺寸和特殊设计;
附有动平衡调整螺丝孔类型: 可在夹持刀具后, 进行更高速度平衡校正;
附有中心出水孔类型: 内冷却端面出水。

i Available as an optional purchase
Customization: Customized in other sizes and special designs as required;
Type with dynamic balance adjustment screw holes:
Enables high-speed dynamic balancing correction after clamping the tool;
Type with central coolant outlet holes:
Internal coolant supply with end face discharge.



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
ISO25	-CR4-50SA	4	10	14	3	50	35	40	20
	-CR6-50SA	6	12	22	3	50	35	40	36
	-CR8-50SA	8	14	26	3	50	35	50	36
	-CR10-50SA	10	16	26	3	50	35	50	41
	-CR8-50RA	8	21	28	6.5	50	35	50	36
	-CR10-50RA	10	24	28	7	50	35	50	41
-CR12-60RA	12	24	30	6	60	45	60	47	

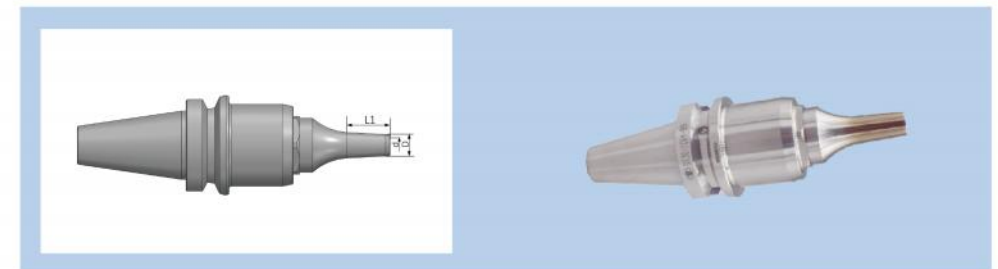


产品特点

- 具有微伸缩功能, 微小丝攻专用;
- 螺纹锁固, 精度高;
- 小径防干涉, 装夹力强

Features

- Micro-retraction function for precision micro-tapping
- Thread locking for high precision;
- Compact anti-interference design ensures high clamping force



规格 Spec.	夹持直径 d [mm]	D [mm]	L1 [mm]	
BT30	-TP1-C3-401	3	10	19.6
	-TP1-C4-401	4	10	19.6



ST-CR直柄烧结式热胀刀杆

ST-CR Straight Heat Shrinking Extension

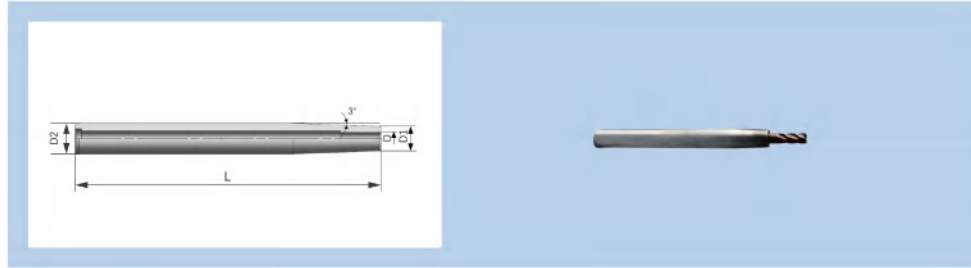
PILIK

产品特点

- 薄壁型: SA
- 本体精度 < 0.002mm

Features

- Thin-wall type: SA
- Radial Runout Accuracy: < 0.002 mm



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	L [mm]	
ST8	-CR4-150SA	4	8	8	150
ST10	-CR3-100SA	3	7	10	100
	-CR4-100SA	4	10	10	100
	-CR4-160SA	4	10	10	160
	-CR6-100SA	6	10	10	100
	-CR6-160SA	6	10	10	160
ST12	-CR4-120SA	4	11	12	120
	-CR4-150SA	4	11	12	150
	-CR6-120SA	6	12	12	120
ST16	-CR6-150SA	6	12	12	150
	-CR3-160SA	3	7	16	160
	-CR3-180SA	3	7	16	180
	-CR4-160SA	4	11	16	160
	-CR4-180SA	4	11	16	180
	-CR4-300SA	4	11	16	300
	-CR6-120SA	6	12	16	120
	-CR6-160SA	6	12	16	160
	-CR6-180SA	6	12	16	180
	-CR10-200SA	10	16	16	200
	-CR10-250SA	10	16	16	250
	ST20	-CR6-150SA	6	12	20
-CR8-150SA		8	14	20	150
-CR8-200SA		8	14	20	200
ST25	-CR10-200SA	10	16	25	200
	-CR10-220SA	10	16	25	220
	-CR12-400SA	12	24	25	400
ST32	-CR20-330SA	20	32	32	330

可另外选购

定制化: 按要求定制其他尺寸和特殊设计;

Available as an optional purchase

Customization: Customized in other sizes and special designs as required.

PILIK

HSK-SLSA烧结式热胀刀杆(不锈钢)

HSK-SLSA Heat Shrinking Toolholder (Stainless Steel)

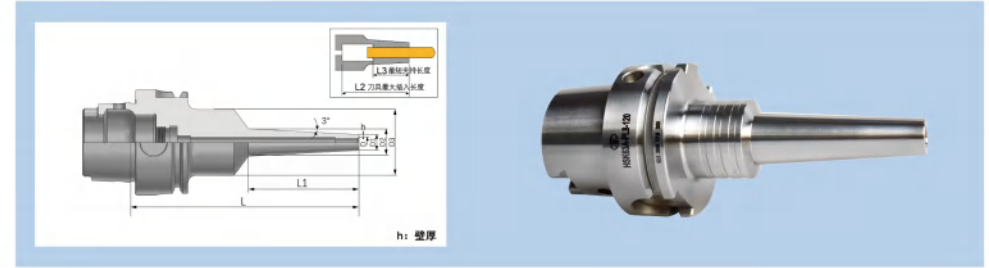


产品特点

- 薄壁型: SLSA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 适合深腔直壁加工

Features

- Thin-wall type: SLSA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Well-suited for machining deep pockets with straight walls.



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
HSK40A	-SLSA4-60-M22	4	7	9	20	1.5	60	22	44	12
	-SLSA6-80-M42	6	9	13	20	1.5	80	42	64	18
	-SLSA8-60-M22	8	11	13	25	1.5	60	22	44	24
	-SLSA8-80-M42	8	11	15	25	1.5	80	42	64	24
	-SLSA10-60-M22	10	13	15	25	1.5	60	22	44	30
	-SLSA10-80-M42	10	13	17	25	1.5	80	42	64	30
	-SLSA12-60-M22	12	15	17	25	1.5	60	22	44	30
HSK50A	-SLSA12-90-M42	12	15	19	32	1.5	90	42	68	30
	-SLSA4-95-M42	4	7	11	25	1.5	95	42	71	12
	-SLSA6-95-M42	6	9	13	25	1.5	95	42	71	18
HSK63A	-SLSA4-95-M42	4	7	11	25	1.5	95	42	70	12
	-SLSA4-120-M67	4	7	14	25	1.5	120	67	95	12
	-SLSA6-95-M42	6	9	16	25	1.5	95	67	125	18
	-SLSA6-150-M67	6	9	16	25	1.5	150	67	125	18
	-SLSA8-95-M42	8	11	15	25	1.5	95	42	70	24
	-SLSA8-120-M67	8	11	18	32	1.5	120	67	94	24
	-SLSA10-95-M42	10	13	17	25	1.5	95	42	70	30
	-SLSA10-120-M67	10	13	20	32	1.5	120	67	94	30
	-SLSA12-95-M42	12	15	19	32	1.5	95	42	69	30
	-SLSA12-120-M67	12	15	22	32	1.5	120	67	94	30
HSK32E	-SLSA4-50-M22	4	7	9	20	1.5	50	50	42	12
	-SLSA4-70-M42	4	7	11	20	1.5	70	70	62	12
	-SLSA6-70-M42	6	9	13	20	1.5	70	70	62	18
HSK40E	-SLSA4-50-M22	4	7	9	20	1.5	50	50	42	12
	-SLSA4-85-M42	4	7	11	25	1.5	85	85	74	12
	-SLSA6-70-M42	6	9	13	20	1.5	70	70	54	18
	-SLSA6-85-M42	6	9	13	25	1.5	85	85	69	18
	-SLSA8-80-M42	8	11	15	26	1.5	80	80	64	24
	-SLSA10-60-M22	10	13	15	26	1.5	60	60	49	30

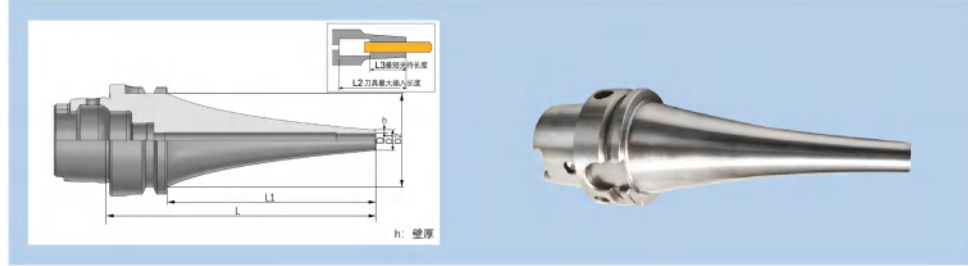


产品特点

- 薄壁型: SLSA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 适合5轴加工, 前端细长、根部加粗可实现高刚性

Features

- Thin-wall type: SLSA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- 5-axis machining is optimal for high-rigidity designs with a variable cross-section (slender tip and thickened root).

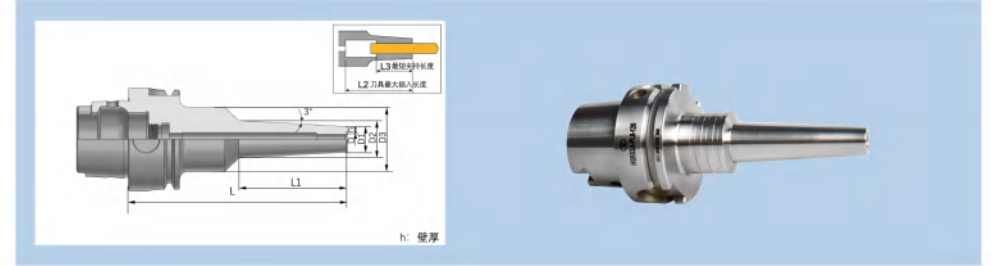


产品特点

- 厚壁型: SLRA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 适合深腔直壁加工

Features

- Thick-wall type: SLRA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Well-suited for machining deep pockets with straight walls



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
HSK50A	-SLSA4-90	4	7	42	1.5	90	64	66	12
	-SLSA4-120	4	7	42	1.5	120	94	96	12
	-SLSA6-90	6	9	42	1.5	90	64	66	18
	-SLSA6-120	6	9	42	1.5	120	94	96	18
HSK63A	-SLSA4-90	4	7	53	1.5	90	64	65	12
	-SLSA4-120	4	7	53	1.5	120	94	95	12
	-SLSA4-150	4	7	53	1.5	150	124	125	12
	-SLSA4-180	4	7	53	1.5	180	154	154	12
	-SLSA6-90	6	9	53	1.5	90	64	65	18
	-SLSA6-120	6	9	53	1.5	120	94	95	18
	-SLSA6-150	6	9	53	1.5	150	124	125	18
	-SLSA6-180	6	9	53	1.5	180	154	154	18
HSK32E	-SLSA4-60	4	7	26	1.5	60	40	43	12
	-SLSA4-90	4	7	26	1.5	90	70	73	12
	-SLSA6-60	6	9	26	1.5	60	40	43	12
	-SLSA6-90	6	9	26	1.5	90	70	73	12
HSK40E	-SLSA4-90	4	7	34	1.5	90	70	74	12
	-SLSA4-120	4	7	34	1.5	120	100	104	12
	-SLSA6-90	6	9	34	1.5	90	70	74	18
HSK50E	-SLSA4-90	4	7	42	1.5	90	64	74	12
	-SLSA4-120	4	7	42	1.5	120	94	104	12
	-SLSA6-90	6	9	42	1.5	90	64	74	18
	-SLSA6-120	6	9	42	1.5	120	94	104	18
HSK63F	-SLSA4-90	4	7	53	1.5	90	64	65	12
	-SLSA4-120	4	7	53	1.5	120	94	95	12
	-SLSA6-90	6	9	53	1.5	90	64	65	18
-SLSA6-120	6	9	53	1.5	120	94	95	18	

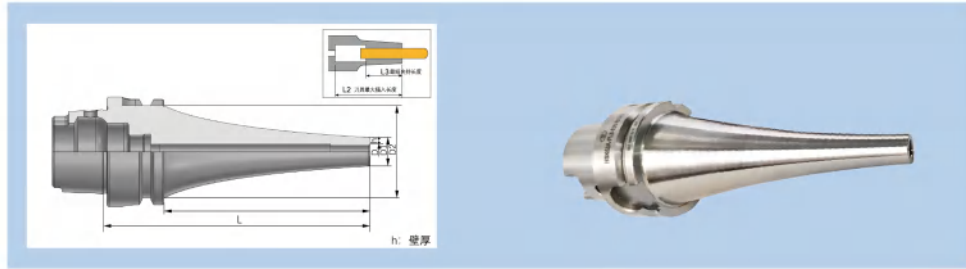
技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
HSK40A	-SLRA4-65-M22	4	10	12	25	3	65	22	44	12
	-SLRA6-65-M22	6	12	14	25	3	65	22	44	18
	-SLRA8-65-M22	8	14	16	25	3	65	22	44	24
	-SLRA10-65-M22	10	16	18	25	3	65	22	44	30
HSK50A	-SLRA12-65-M22	12	20	22	25	4	65	22	44	30
	-SLRA4-75-M22	4	10	12	25	3	75	22	51	12
	-SLRA6-75-M22	6	14	16	32	4	75	22	51	18
	-SLRA8-75-M22	8	18	20	32	5	75	22	51	24
	-SLRA10-75-M22	10	22	24	32	6	75	22	51	30
	-SLRA4-95-M42	4	10	14	25	3	95	42	70	12
	-SLRA6-95-M42	6	14	18	32	4	95	42	70	18
	-SLRA6-125-M42	6	14	18	32	4	125	42	100	18
HSK63A	-SLRA8-95-M42	8	18	22	32	5	95	42	70	24
	-SLRA8-125-M42	8	18	22	32	5	125	42	100	24
	-SLRA10-95-M42	10	22	26	32	6	95	42	70	30
	-SLRA10-125-M42	10	22	26	32	6	125	42	100	30
	-SLRA12-95-M42	12	26	30	42	7	95	42	70	30
	-SLRA4-50-M22	4	10	12	20	3	50	22	42	12
HSK32E	-SLRA6-50-M22	6	12	14	26	3	50	22	39	18
	-SLRA8-50-M22	8	14	16	26	3	50	22	39	24
	-SLRA10-55-M22	10	16	18	26	3	55	22	44	25
	-SLRA12-55-M22	12	20	22	26	4	55	22	44	30
HSK40E	-SLRA4-50-M22	4	10	12	20	3	50	22	42	12
	-SLRA6-50-M22	6	12	14	26	3	50	22	39	18
	-SLRA8-50-M22	8	14	16	26	3	50	22	39	20
	-SLRA8-85-M42	8	14	18	25	3	85	42	69	24
	-SLRA10-50-M22	10	16	18	26	3	50	22	44	25
	-SLRA10-85-M42	10	16	20	25	3	85	42	64	30
	-SLRA12-85-M42	12	20	24	32	4	85	42	74	30



产品特点

- 厚壁型: SLRA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 适合5轴加工, 前端细长、根部加粗可实现高刚性

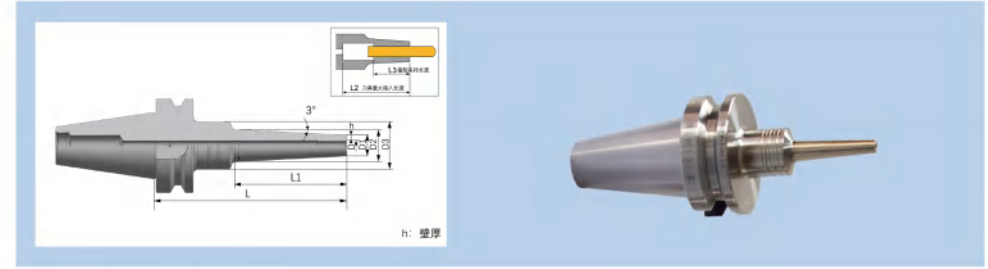


Features

- Thick-wall type: SLRA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- 5-axis machining is optimal for high-rigidity designs with a variable cross-section (slender tip and thickened root)

产品特点

- 薄壁型: SLSA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 适合深腔直壁加工



Features

- Thin-wall type: SLSA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Well-suited for machining deep pockets with straight walls

技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
HSK50A	-SLRA4-120	4	10	42	3	120	94	96	12
	-SLRA4-150	4	10	42	3	150	124	126	12
	-SLRA6-120	6	13	42	3.5	120	94	96	18
	-SLRA6-150	6	13	42	3.5	150	124	126	18
	-SLRA8-120	8	16	42	4	120	94	96	24
HSK63A	-SLRA4-120	4	10	53	3	120	94	95	12
	-SLRA4-150	4	10	53	3	150	124	125	12
	-SLRA4-180	4	10	53	3	180	154	155	12
	-SLRA6-90	6	13	53	3.5	90	64	65	18
	-SLRA6-120	6	13	53	3.5	120	94	95	18
	-SLRA6-150	6	13	53	3.5	150	124	125	18
	-SLRA6-180	6	13	53	3.5	180	154	155	18
	-SLRA8-90	8	16	53	4	90	64	65	24
	-SLRA8-120	8	16	53	4	120	94	95	24
	-SLRA8-150	8	16	53	4	150	124	125	24
HSK40E	-SLRA4-90	4	10	34	3	90	70	74	12
	-SLRA4-120	4	10	34	3	120	100	104	12
	-SLRA6-90	6	13	34	3.5	90	70	74	18
	-SLRA6-120	6	13	34	3.5	120	100	104	18
HSK50E	-SLRA4-120	4	10	42	3	120	94	104	12
	-SLRA4-150	4	10	42	3	150	124	134	12
	-SLA6-120	6	13	42	3.5	120	94	104	18
	-SLRA6-150	6	13	42	3.5	150	124	132	18
HSK63F	-SLRA4-120	4	10	53	3	120	94	95	12
	-SLRA4-150	4	10	53	3	150	124	125	12
	-SLRA6-90	6	13	53	3.5	90	64	65	18
	-SLRA6-120	6	13	53	3.5	120	94	95	18
-SLRA6-150	6	13	53	3.5	150	124	125	18	

技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BT30	-SLSA3-75-M22	3	6	8	25	1.5	75	22	99	9
	-SLSA3-95-M42	3	6	10	25	1.5	95	42	119	9
	-SLSA3-120-M67	3	6	13	25	1.5	120	67	144	9
	-SLSA4-75-M22	4	7	9	25	1.5	75	22	99	12
	-SLSA4-95-M42	4	7	11	25	1.5	95	42	119	12
	-SLSA4-120-M67	4	7	14	25	1.5	120	67	144	12
	-SLSA6-75-M22	6	9	11	25	1.5	75	22	99	18
	-SLSA6-95-M42	6	9	13	25	1.5	95	42	119	18
	-SLSA6-120-M67	6	9	16	25	1.5	120	67	144	18
	-SLSA3-95-M42	3	6	10	25	1.5	95	42	130	9
BT40	-SLSA3-120-M67	3	6	13	25	1.5	120	67	155	9
	-SLSA3-150-M67	3	6	13	25	1.5	150	67	185	9
	-SLSA3-150-M97	3	6	13	25	1.5	150	97	185	9
	-SLSA3-180-M67	3	6	13	25	1.5	180	67	215	9
	-SLSA3-180-M97	3	6	13	25	1.5	180	97	215	9
	-SLSA4-95-M42	4	7	11	25	1.5	95	42	130	12
	-SLSA4-120-M67	4	7	14	25	1.5	120	67	155	12
	-SLSA4-150-M67	4	7	14	25	1.5	150	67	185	12
	-SLSA4-150-M97	4	7	14	25	1.5	150	97	185	12
	-SLSA4-180-M67	4	7	14	25	1.5	180	67	215	12
	-SLSA4-180-M97	4	7	14	25	1.5	180	97	215	12
	-SLSA6-95-M42	6	9	13	25	1.5	95	42	130	18
	-SLSA6-120-M67	6	9	16	25	1.5	120	67	155	18
	-SLSA6-150-M67	6	9	17	26	1.5	150	67	185	18
	-SLSA6-150-M97	6	9	18	27	1.5	150	97	185	18
	-SLSA6-180-M67	6	9	19	28	1.5	180	67	215	18
	-SLSA6-180-M97	6	9	20	29	1.5	180	97	215	18

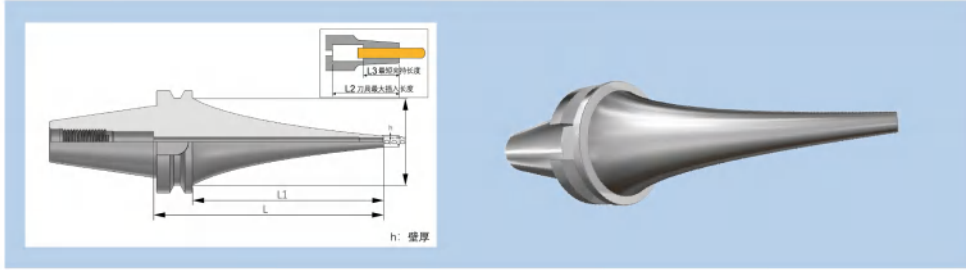


产品特点

- 薄壁型: SLSA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 适合5轴加工, 前端细长、根部加粗可实现高刚性

Features

- Thin-wall type: SLSA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- 5-axis machining is optimal for high-rigidity designs with a variable cross-section (slender tip and thickened root)

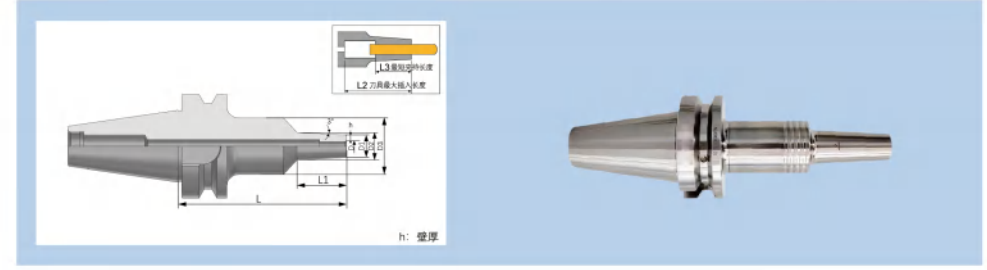


产品特点

- 厚壁型: SLRA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 适合深腔直壁加工

Features

- Thick-wall type: SLRA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- Well-suited for machining deep pockets with straight walls



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BT30	-SLSA4-75	4	7	34	1.5	75	53	99	12
	-SLSA4-95	4	7	34	1.5	95	68	114	12
	-SLSA4-120	4	7	34	1.5	120	98	144	12
	-SLSA6-75	6	9	34	1.5	75	53	99	18
	-SLSA6-95	6	9	34	1.5	95	68	114	18
	-SLSA6-120	6	9	34	1.5	120	98	144	18
BT40	-SLSA4-90	4	7	53	1.5	90	63	125	12
	-SLSA4-120	4	7	53	1.5	120	93	155	12
	-SLSA4-150	4	7	53	1.5	150	123	185	12
	-SLSA4-180	4	7	53	1.5	180	153	215	12
	-SLSA4-210	4	7	53	1.5	210	183	245	12
	-SLSA4-240	4	7	53	1.5	240	213	275	12
	-SLSA6-90	6	9	53	1.5	90	63	125	18
	-SLSA6-120	6	9	53	1.5	120	93	155	18
	-SLSA6-150	6	9	53	1.5	150	123	185	18
	-SLSA6-210	6	9	53	1.5	210	183	245	18
BT50	-SLSA4-165	4	7	85	1.5	165	127	220	12
	-SLSA4-195	4	7	85	1.5	195	157	250	12
	-SLSA4-225	4	7	85	1.5	225	187	280	12
	-SLSA6-165	6	9	85	1.5	165	127	220	18
	-SLSA6-195	6	9	85	1.5	195	157	250	18
	-SLSA6-225	6	9	85	1.5	225	187	280	18

i 可另外选购
客制化: 按要求定制其他尺寸和特殊设计;

i Available as an optional purchase
Customization: Customized in other sizes and special designs as required.

技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BT30	-SLRA3-75-M22	3	7.5	10	25	2.25	75	22	99	9
	-SLRA4-75-M22	4	10	12	25	3	75	22	99	12
	-SLRA4-90-M68	4	10	34	25	3	90	68	114	12
	-SLRA4-120-M98	4	10	34	25	3	120	98	144	12
	-SLRA6-70-M22	6	12	14	25	3	70	22	99	18
	-SLRA6-90-M68	6	13	34	34	4	90	68	114	18
	-SLRA6-120-M98	6	13	34	40	4	120	98	144	18
	-SLRA8-70-M22	8	14	16	25	3	70	22	99	24
	-SLRA8-90-M68	8	16	34	25	4	90	68	114	24
	-SLRA8-120-M98	8	16	34	40	4	120	98	144	24
BT40	-SLRA3-75-M22	3	7.5	10	25	2	75	22	110	9
	-SLRA3-95-M42	3	7.5	12	32	2.25	95	42	130	9
	-SLRA3-120-M67	3	7.5	14.5	32	2.25	120	67	155	9
	-SLRA4-75-M22	4	10	12	32	3	75	22	110	12
	-SLRA4-95-M42	4	10	14	32	3	95	42	130	12
	-SLRA4-120-M67	4	10	14	32	3	120	67	155	12
	-SLRA6-75-M22	6	14	16	32	4	75	22	110	18
	-SLRA6-95-M42	6	14	18	32	4	95	42	130	18
	-SLRA6-120-M67	6	14	18	32	4	120	67	155	18
	-SLRA3-90-M22	3	7.5	10	32	2.25	90	22	145	9
BT50	-SLRA3-110-M42	3	7.5	12	42	2.25	110	42	165	9
	-SLRA3-135-M67	3	7.5	14.5	42	2.25	135	42	190	9
	-SLRA4-90-M22	4	10	12	42	3	90	22	145	12
	-SLRA4-110-M42	4	10	14	42	3	110	42	165	12
	-SLRA4-135-M67	4	10	17	42	3	135	67	190	12
	-SLRA6-90-M22	6	14	16	42	4	90	22	145	18
	-SLRA6-110-M42	6	14	18	53	4	110	42	165	18
	-SLRA6-135-M67	6	14	21	53	4	135	67	190	18

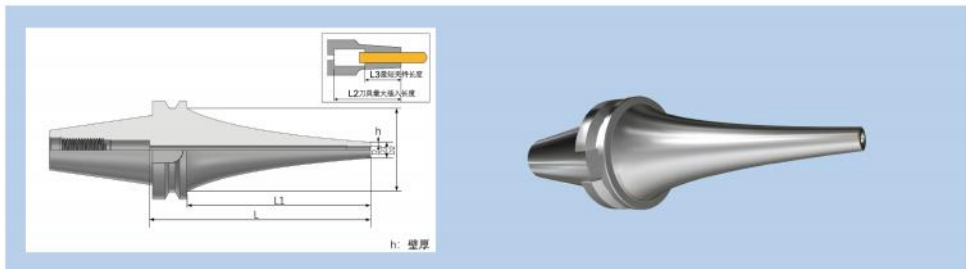


产品特点

- 厚壁型: SLRA
- 回转精度 < 0.003, 在夹持直径4D处测得
- 适合5轴加工, 前端细长、根部加粗可实现高刚性

Features

- Thick-wall type: SLRA
- Runout accuracy < 0.003, measured at clamping diameter 4D
- 5-axis machining is optimal for high-rigidity designs with a variable cross-section (slender tip and thickened root)



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	D2 [mm]	h [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]
BT30	-SLRA4-90	4	10	34	3	90	68	114
	-SLRA4-120	4	10	34	3	120	98	144
	-SLRA6-90	6	12	34	3	90	68	114
	-SLRA6-120	6	12	34	3	120	98	144
BT40	-SLRA4-120	4	10	53	3	120	93	155
	-SLRA4-150	4	10	53	3	150	123	185
	-SLRA4-180	4	10	53	3	180	153	215
	-SLRA4-210	4	10	53	3	210	183	245
	-SLRA6-90	6	12	53	3	90	63	125
	-SLRA6-120	6	12	53	3	120	93	155
	-SLRA6-150	6	12	53	3	150	123	185
	-SLRA6-180	6	12	53	3	180	153	215
	-SLRA6-210	6	12	53	3	210	183	245

i 可另外选购

客制化: 按要求定制其他尺寸和特殊设计;

i Available as an optional purchase

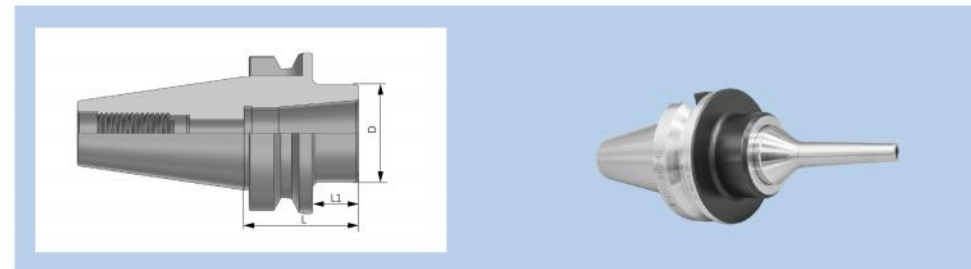
Customization: Customized in other sizes and special designs as required.

产品特点

- 需搭配热胀加长杆使用
- 精密动平衡: G2.5 36000rpm, 另外加设

Features

- Need to be used with CR shrink-fit extension
- The balance of G2.5 36000rpm can be requested for a price.



技术参数 | Technical data

规格 Spec.	D [mm]	L [mm]	L1 [mm]
BT30	-SLK12-40	38	40
	-SLK12-45	38	45
BT40	-SLK12-75	38	75
	-SLK12-100	38	100
	-SLK12-135	38	135
	-SLK12-75	38	75
BT50	-SLK12-105	38	105
	-SLK12-135	38	135
	-SLK12-225	38	225
	-SLK12-315	38	315
	-SLK12-75	38	75
BBT40	-SLK12-100	38	100
	-SLK12-75	38	75
BBT50	-SLK12-225	38	225
	-SLK12-75	38	75
	-SLK12-75	38	75
HSK63A	-SLK12-100(出水型)	38	100
	-SLK12-135	38	135
	-SLK12-165	38	165
	-SLK12-105	38	105
HSK100A	-SLK12-135	38	135
	-SLK12-225	38	225
	-SLK12-315	38	315
HSK50E	-SLK12-75	38	75

i 可另外选购

客制化: 按要求定制其他尺寸和特殊设计;

i Available as an optional purchase

Customization: Customized in other sizes and special designs as required.

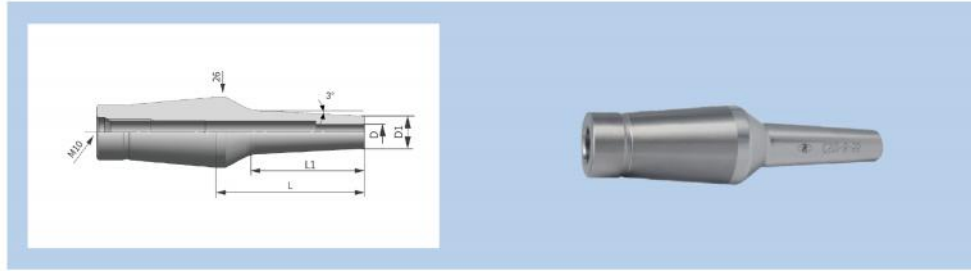


产品特点

- 薄壁型: SLSA
- 需搭配SLK后拉式刀杆

Features

- Thin-wall type: SLSA
- Need to be used with SLK toolholder



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	L [mm]	L1 [mm]
-SLSA3-35	3	6	35	22
-SLSA3-55	3	6	55	42
-SLSA3-80	3	6	80	67
-SLSA3-110	3	6	110	97
-SLSA4-35	4	7	35	22
-SLSA4-55	4	7	55	42
-SLSA4-80	4	7	80	67
-SLSA4-110	4	7	110	97
-SLSA5-35	5	8	35	22
-SLSA5-55	5	8	55	42
-SLSA5-80	5	8	80	67
-SLSA5-110	5	8	110	97
-SLSA6-35	6	9	35	22
-SLSA6-55	6	9	55	42
-SLSA6-80	6	9	80	67
-SLSA6-110	6	9	110	97
-SLSA7-35	7	10	35	22
-SLSA7-55	7	10	55	42
-SLSA7-80	7	10	80	67
-SLSA7-110	7	10	110	97
-SLSA8-35	8	11	35	22
-SLSA8-55	8	11	55	42
-SLSA8-80	8	11	80	67
-SLSA8-110	8	11	110	97

i 可另外选购

客制化: 按要求定制其他尺寸和特殊设计;

i Available as an optional purchase

Customization: Customized in other sizes and special designs as required.

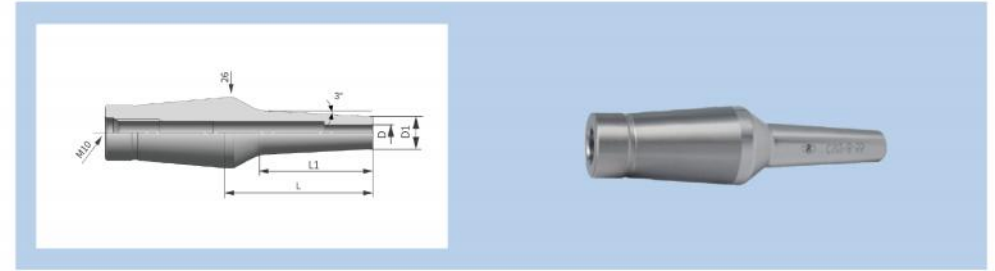


产品特点

- 厚壁型: SLRA
- 需搭配SLK后拉式刀杆

Features

- Thin-wall type: SLRA
- Need to be used with SLK toolholder



技术参数 | Technical data

规格 Spec.	D [mm]	D1 [mm]	L [mm]	L1 [mm]
-SLRA3-35	3	9.5	35	22
-SLRA3-55	3	9.5	55	42
-SLRA3-80	3	9.5	80	67
-SLRA3-110	3	9.5	110	97
-SLRA4-35	4	10	35	22
-SLRA4-55	4	10	55	42
-SLRA4-80	4	10	80	67
-SLRA4-110	4	10	110	97
-SLRA6-35	6	12	35	22
-SLRA6-55	6	12	55	42
-SLRA6-80	6	12	80	67
-SLRA6-110	6	12	110	97
-SLRA8-35	8	14	35	22
-SLRA8-55	8	14	55	42
-SLRA8-80	8	14	80	67
-SLRA8-110	8	14	110	97
-SLRA10-35	10	16	35	22
-SLRA10-55	10	16	55	42
-SLRA10-80	10	16	80	67
-SLRA10-110	10	16	110	97
-SLRA12-35	12	20	35	22
-SLRA12-55	12	20	55	42
-SLRA12-80	12	20	80	67
-SLRA12-110	12	20	110	97

i 可另外选购

合金钢: 若对刚性或耐磨性有较高要求, 建议优选合金钢;
客制化: 按要求定制其他尺寸和特殊设计。

i Available as an optional purchase

Alloy steel: Recommended where high rigidity or wear resistance is required for superior performance.
Customization: Customized in other sizes and special designs as required.

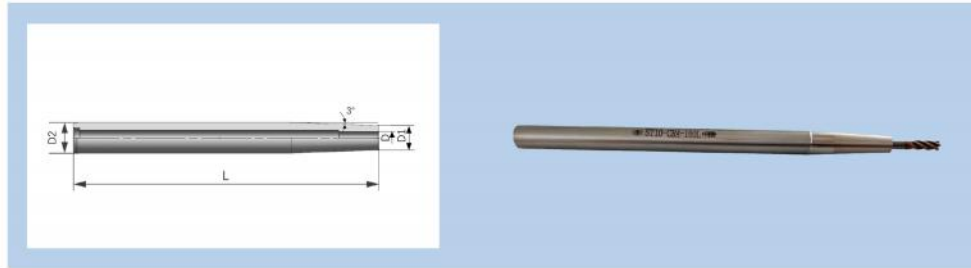


产品特点

- 薄壁型: SLSA
- 本体精度 < 0.002mm

Features

- Thin-wall type: SLSA
- Radial Runout Accuracy: < 0.002 mm

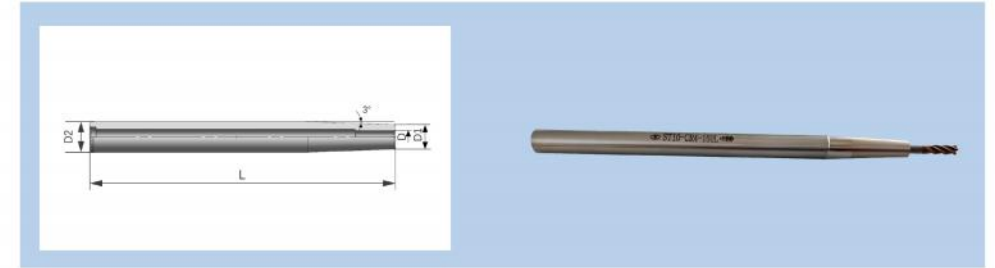


产品特点

- 厚壁型: SLRA
- 本体精度 < 0.002mm

Features

- Thick-wall type: SLRA
- Radial Runout Accuracy: < 0.002 mm



技术参数 | Technical data

规格 Spec.	D [mm]	D 1 [mm]	D 2 [mm]	L [mm]	
ST10	-SLSA3-80	3	6	10	80
	-SLSA4-80	4	7	10	80
	-SLSA5-80	5	8	10	80
ST16	-SLSA3-115	3	6	16	115
	-SLSA3-140	3	6	16	140
	-SLSA4-115	4	7	16	115
	-SLSA4-140	4	7	16	140
	-SLSA6-115	6	10	16	115
	-SLSA6-140	6	10	16	140
ST20	-SLSA3-200	3	6	20	200
	-SLSA4-200	4	7	20	200
	-SLSA5-200	5	8	20	200
	-SLSA6-175	6	9	20	175
ST25	-SLSA3-245	3	6	25	245
	-SLSA3-315	3	6	25	315
	-SLSA4-245	4	7	25	245
	-SLSA4-315	4	7	25	315
	-SLSA5-290	5	8	25	290
	-SLSA6-230	6	9	25	230
	-SLSA6-305	6	9	25	305

i 可另外选购
客制化: 按要求定制其他尺寸和特殊设计

i Available as an optional purchase
Customization: Customized in other sizes and special designs as required.

技术参数 | Technical data

规格 Spec.	D [mm]	D 1 [mm]	D 2 [mm]	L [mm]	
ST16	-SLRA3-90	3	7.5	16	90
	-SLRA3-115	3	7.5	16	115
	-SLRA3-140	3	7.5	16	140
	-SLRA4-90	4	10	16	90
	-SLRA4-115	4	10	16	115
	-SLRA4-140	4	10	16	140
	-SLRA6-115	6	14	16	115
	-SLRA6-140	6	14	16	140
ST20	-SLRA3-175	3	7.5	20	175
	-SLRA4-175	4	10	20	175
	-SLRA6-120	6	14	20	120
ST25	-SLRA6-175	6	14	20	175
	-SLRA3-245	3	7.5	25	245
	-SLRA3-315	3	7.5	25	315
	-SLRA4-245	4	10	25	245
	-SLRA4-315	4	10	25	315
-SLRA6-240	6	14	25	240	

i 可另外选购
客制化: 按要求定制其他尺寸和特殊设计

i Available as an optional purchase
Customization: Customized in other sizes and special designs as required.



产品特点

- 适用于合金钢、不锈钢刀柄的高性能热缩机;
- 可热装直径φ3-32mm的钨钢刀具
- 带接触式冷却系统
- 风冷型

Features

- High performance shrink fit machine for alloy steel and stainless steel toolholder
- Tools:Solid carbide from C3-20mm
- With integrated contact cooling
- Air-cooled type



- ① 防尘百叶窗
 - ② 电磁感应头，加热刀柄
 - ③ 升降手柄，可升降及锁定位置高度
 - ④ 刀柄转换套，适配刀柄锥度
 - ⑤ 刀具放置区
 - ⑥ 加热界面可调节设置时间，启动/暂停
 - ⑦ 加热参数对照表
- ① Dust prevention of louvers
 - ② Electromagnetic induction head, heating toolholder
 - ③ Lifting handle, capable of lifting and locking position height
 - ④ Toolholder conversion sleeve, suitable for toolholder cone
 - ⑤ Tool placement area
 - ⑥ Heating interface can adjust the setting time, start/pause
 - ⑦ Heating parameter comparison table

技术参数 | Technical data

型号描述 [Model description]	功率 [Power]	主电源 [Power Supply]	长X高X宽 [mm]	重量 [Kg]	行程 [mm]	刀具 [Cutter]	刀具直径 [mm]
RC-350S	6.5KW	220V,12.5A	540*400*780	25	60-400	钨钢(精度h6)	φ3-12
RC-350	6.5KW	220V,12.5A	540*400*780	25	60-400	钨钢(精度h6)	φ3-20
RC-400	6.5KW	220V,12.5A	540*400*780	25	60-400	钨钢(精度h6)	φ3-32

包含配置 | Equipment

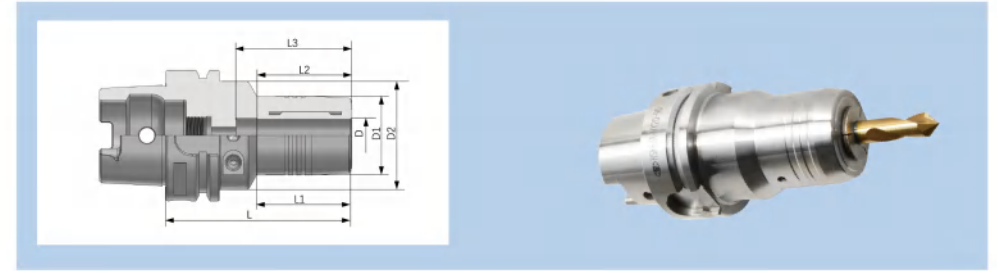
图示	配件 [Accessory Part]	说明 [Explain]
	加热线圈	直径D35/50/60mm
	气管	长度1.5m
	刀柄转换套	可选配2个
	卡簧刀卡	4/6/8/10/12各1个
	装卸钳	1把

产品特点

- 可以配合筒夹夹持，实现更灵活的夹持范围;
- 回转精度 < 0.003，在夹持直径4D处测得;
- 用于自动换刀

Features

- Compatible with collet chucks for a more flexible clamping range;
- Runout accuracy < 0.003, measured at clamping diameter 4D;
- For automatic tool change.



技术参数 | Technical data

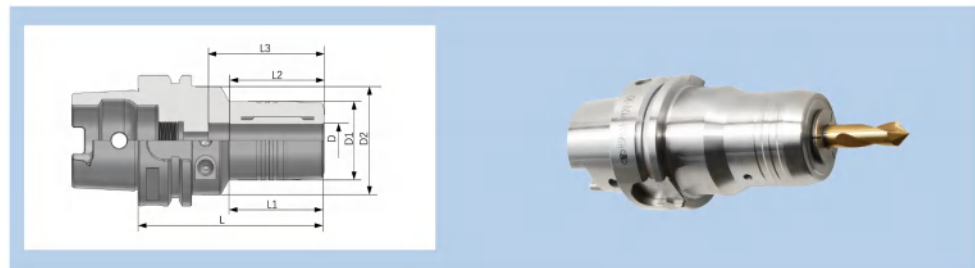
规格 Spec.	筒夹 [collet]	D [mm]	D 1 [mm]	D 2 [mm]	L [mm]	L 1 [mm]	L 2 [mm]	L 3 [mm]	
HSK32A	-HY6-80	--	6	26	40	80	29	27	37
	-HY8-80	--	8	28	40	80	29	27	37
	-HY10-85	--	10	30	40	85	35	31	41
	-HY12-90	--	12	32	40	90	40	36	46
HSK40A	-HY6-70	--	6	26	33.5	70	36	27	37
	-HY8-70	--	8	28	33.5	70	36	27	37
	-HY10-75	--	10	30	33.5	75	42	31	41
	-HY12-80	HY12(3-8)	12	32	33.5	80	48	36	46
HSK50A	-HY6-70	--	6	26	40	70	28	27	37
	-HY8-70	--	8	28	40	70	28	27	37
	-HY10-75	--	10	30	40	75	34	31	41
	-HY12-85	HY12(3-8)	12	32	40	85	44	36	46
	-HY14-85	--	14	34	40	85	44	36	46
	-HY16-90	HY16(3-12)	16	36	53	90	30	39	49
	-HY18-90	--	18	38	57	90	30	39	49
	-HY20-90	HY20(3-16)	20	40	60	90	29	41	51
HSK63A	-HY6-70	--	6	26	50	70	24.5	27	37
	-HY8-70	--	8	28	50	70	24.5	27	37
	-HY10-80	--	10	30	50	80	35.5	31	41
	-HY12-85	HY12(3-8)	12	32	50	85	41.5	36	46
	-HY14-85	--	14	34	50	85	41.5	36	46
	-HY14-150	--	14	34	50	150	105	36	46
	-HY16-90	HY16(3-12)	16	38	50	90	45.5	39	49
	-HY16-150	HY16(3-12)	16	38	50	150	106	39	49
	-HY18-90	--	18	40	50	90	48.5	39	49
	-HY18-150	--	18	40	50	150	107	39	49
	-HY20-90	HY20(3-16)	20	42	50	90	47.5	41	51
	-HY20-150	HY20(3-16)	20	42	50	150	108	41	51

产品特点

- 可以配合筒夹夹持，实现更灵活的夹持范围；
- 回转精度 < 0.003，在夹持直径4D处测得；
- 用于自动换刀

Features

- Compatible with collet chucks for a more flexible clamping range;
- Runout accuracy < 0.003, measured at clamping diameter 4D;
- For automatic tool change.



技术参数 | Technical data

规格 Spec.	筒夹 [collet]	D [mm]	D1 [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
HSK63A	-HY25-120	HY25(3-20)	25	57	63	120	55.3	47	57
	-HY32-125	HY32(6-25)	32	64	75	125	63	51	61
HSK80A	-HY6-70	--	6	26	50	70	24	27	37
	-HY8-70	--	8	28	50	70	24	27	37
	-HY10-80	--	10	30	50	80	35	31	41
	-HY12-85	HY12(3-8)	12	32	50	85	40	36	46
	-HY14-85	--	14	34	50	85	40	36	46
	-HY16-95	HY16(3-12)	16	38	50	95	51	39	49
	-HY18-95	--	18	40	50	95	51	39	49
	-HY20-95	HY20(3-16)	20	42	50	95	52	41	51
	-HY25-110	HY25(3-20)	25	57	63	110	65	47	57
	-HY32-125	HY32(6-25)	32	64	75	125	63	51	61
HSK100A	-HY6-75	--	6	26	50	75	26	27	37
	-HY8-75	--	8	28	50	75	26	27	37
	-HY10-90	--	10	30	50	90	42	31	41
	-HY12-95	HY12(3-8)	12	32	50	95	47	36	46
	-HY14-95	--	14	34	50	95	47	36	46
	-HY16-100	HY16(3-12)	16	38	50	100	53	39	49
	-HY18-100	--	18	40	50	100	53	39	49
	-HY20-105	HY20(3-16)	20	42	50	105	59	41	51
	-HY25-110	HY25(3-20)	25	57	63	110	62	47	57
	-HY32-110	HY32(6-25)	32	64	75	110	62	51	61

i 可另外选购

定制化：按要求定制其他尺寸和特殊设计；

注意事项

请使用公差在h6以内的刀具，未放入刀具前禁止空锁；
刀具插入深度不能小于最小刀具夹持长度。

i Available as an optional purchase

Customization: Customized in other sizes and special designs as required.

Precautions

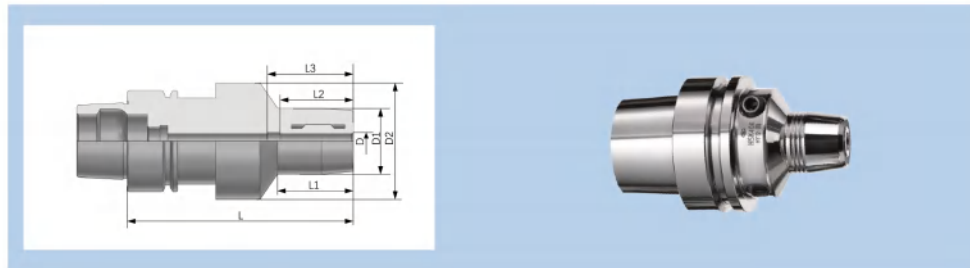
Use only tools with a shank tolerance ≤ h6.
Never activate the shrink unit without a tool inserted.
Ensure the insertion depth meets or exceeds the minimum clamping length.

产品特点

- 可以配合筒夹夹持，实现更灵活的夹持范围；
- 回转精度 < 0.003，在夹持直径4D处测得；
- 用于自动换刀

Features

- Compatible with collet chucks for a more flexible clamping range;
- Runout accuracy < 0.003, measured at clamping diameter 4D;
- For automatic tool change.



技术参数 | Technical data

规格 Spec.	筒夹 [collet]	D [mm]	D1 [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
HSK40E	-HY6-90	--	6	26	46	90	30	29	34
	-HY8-90	--	8	28	46	90	30	29	34
	-HY10-105	--	10	30	52	105	44	40	50
HSK50E	-HY12-105	HY12(3-8)	12	32	52	105	45	40	50
	-HY6-90	--	6	26	46	90	30	29	34
	-HY8-90	--	8	28	46	90	30	29	34
	-HY10-105	--	10	30	52	105	44	40	50
	-HY12-105	HY12(3-8)	12	32	52	105	45	40	50
	-HY16-105	HY16(3-12)	16	38	52	105	46	40	50
HSK63F	-HY20-105	HY20(3-16)	20	42	46	105	49	40	50
	-HY6-75	--	6	26	46	75	30	29	34
	-HY8-75	--	8	28	46	75	30	29	34
	-HY10-90	--	10	30	52	90	44	40	50
	-HY12-90	HY12(3-8)	12	32	52	90	45	40	50
	-HY12-120	HY12(3-8)	12	32	52	120	65	40	50
	-HY16-90	HY16(3-12)	16	38	52	90	46	40	50
	-HY16-120	HY16(3-12)	16	38	52	120	66	40	50
	-HY20-90	HY20(3-16)	20	42	59	90	49	40	50
-HY20-120	HY20(3-16)	20	42	59	120	69	40	50	

i 可另外选购

定制化：按要求定制其他尺寸和特殊设计；

注意事项

请使用公差在h6以内的刀具，未放入刀具前禁止空锁；
刀具插入深度不能小于最小刀具夹持长度。

i Available as an optional purchase

Customization: Customized in other sizes and special designs as required.

Precautions

Use only tools with a shank tolerance ≤ h6.
Never activate the shrink unit without a tool inserted.
Ensure the insertion depth meets or exceeds the minimum clamping length.

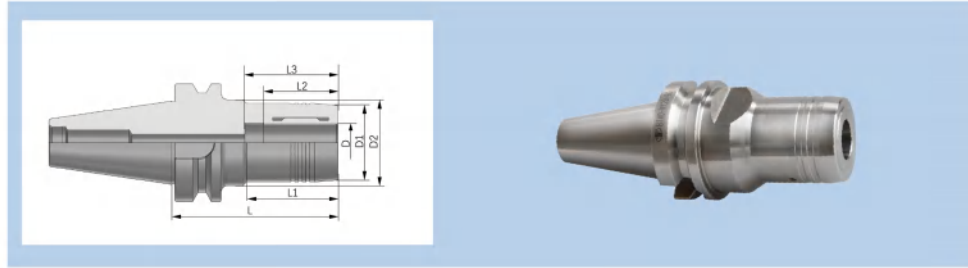


产品特点

- 可以配合筒夹夹持，实现更灵活的夹持范围；
- 回转精度 < 0.003，在夹持直径4D处测得；
- 用于自动换刀

Features

- Compatible with collet chucks for a more flexible clamping range;
- Runout accuracy < 0.003, measured at clamping diameter 4D;
- For automatic tool change.



技术参数 | Technical data

规格 Spec.	筒夹 [collet]	D [mm]	D1 [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BT30	-HY3-60	--	3	24	46	60	20	18	27
	-HY3-90	--	3	24	46	90	45	18	49
	-HY4-65	--	4	25	46	65	25	24	29
	-HY4-90	--	4	25	46	90	45	24	49
	-HY6-75	--	6	26	46	75	30	29	34
	-HY8-75	--	8	28	46	75	30	29	34
	-HY9-90	--	9	30	46	90	46	40	55
	-HY10-90	--	10	30	46	90	46	40	55
	-HY12-90	HY12(3-8)	12	32	46	90	46	40	55
	-HY16-90	HY16(3-12)	16	38	46	90	48	40	55
	-HY18-90	--	18	40	46	90	48	40	55
	-HY20-90	HY20(3-16)	20	42	46	90	49	40	50
-HY20-120	HY20(3-16)	20	42	46	120	69	40	70	
BT40	-HY3-65	--	3	24	46	65	20	18	27
	-HY3-90	--	3	24	46	90	45	18	49
	-HY4-70	--	4	25	46	70	25	24	29
	-HY4-90	--	4	25	46	90	45	24	49
	-HY6-75	--	6	26	46	75	30	29	34
	-HY6-105	--	6	26	46	105	41	29	45
	-HY8-75	--	8	28	46	75	30	29	34
	-HY8-105	--	8	28	46	105	41	29	45
	-HY9-90	--	9	30	52	90	44	40	50
	-HY10-90	--	10	30	52	90	44	40	50
	-HY10-120	--	10	30	52	120	64	40	70
	-HY12-90	HY12(3-8)	12	32	52	90	45	40	50
-HY12-120	HY12(3-8)	12	32	52	120	65	40	70	
-HY16-90	HY16(3-12)	16	38	52	90	46	40	50	
-HY16-120	HY16(3-12)	16	38	52	120	66	40	70	

规格 Spec.	筒夹 [collet]	D [mm]	D1 [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BT40	-HY18-90	--	18	40	52	90	48	40	50
	-HY18-120	--	18	40	52	90	68	40	60
	-HY20-90	HY20(3-16)	20	42	52	120	49	40	70
	-HY20-120	HY20(3-16)	20	42	52	120	69	40	70
	-HY25-105	HY25(3-20)	25	52	62	105	59	50	60
	-HY25-135	HY25(3-20)	25	52	62	135	79	50	80
	-HY32-120	HY32(6-25)	32	62	62	120	93	65	75
	-HY32-150	HY32(6-25)	32	62	62	150	123	65	80
BT50	-HY6-90	--	6	26	46	90	30	29	34
	-HY6-120	--	6	26	46	120	41	29	45
	-HY8-90	--	8	28	46	90	30	29	34
	-HY8-120	--	8	28	46	120	41	29	45
	-HY8-150	--	8	28	46	150	41	29	45
	-HY10-105	--	10	30	52	105	44	40	50
	-HY10-135	--	10	30	52	135	64	40	70
	-HY10-165	--	10	30	52	165	64	40	70
	-HY12-105	HY12(3-8)	12	32	52	105	45	40	50
	-HY12-135	HY12(3-8)	12	32	52	135	65	40	70
	-HY12-165	HY12(3-8)	12	32	52	165	65	40	70
	-HY16-105	HY16(3-12)	16	38	52	105	46	40	50
	-HY16-135	HY16(3-12)	16	38	52	135	66	40	70
	-HY16-165	HY16(3-12)	16	38	52	165	66	40	70
	-HY18-105	--	18	40	52	105	48	40	50
	-HY18-135	--	18	40	52	135	68	40	70
	-HY20-105	HY20(3-16)	20	42	52	105	49	40	50
	-HY20-135	HY20(3-16)	20	42	52	135	69	40	70
	-HY20-165	HY20(3-16)	20	42	52	165	69	40	70
	-HY25-120	HY25(3-20)	25	52	62	120	59	50	64
-HY25-150	HY25(3-20)	25	52	62	150	79	50	80	
-HY25-165	HY25(3-20)	25	52	62	165	79	50	80	
-HY32-135	HY32(6-25)	32	62	62	135	97	65	75	
-HY32-165	HY32(6-25)	32	62	62	165	132	65	80	

i 可另外选购

定制化：按要求定制其他尺寸和特殊设计；

注意事项

请使用公差在h6以内的刀具，未放入刀具前禁止空锁；
刀具插入深度不能小于最小刀具夹持长度。

i Available as an optional purchase

Customization: Customized in other sizes and special designs as required.

Precautions

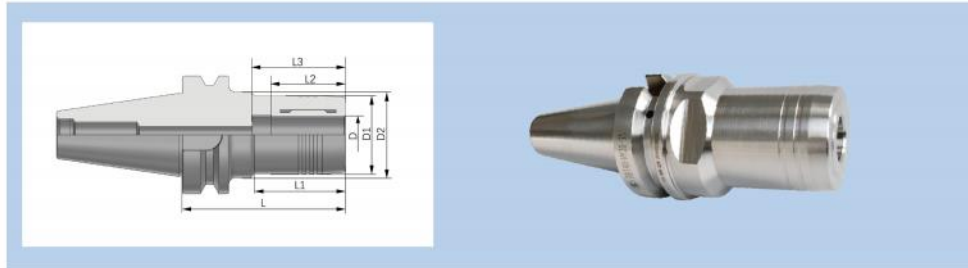
Use only tools with a shank tolerance $\leq h6$.
Never activate the shrink unit without a tool inserted.
Ensure the insertion depth meets or exceeds the minimum clamping length.

**产品特点**

- 可以配合筒夹夹持，实现更灵活的夹持范围；
- 回转精度 < 0.003，在夹持直径4D处测得；
- 用于自动换刀

Features

- Compatible with collet chucks for a more flexible clamping range;
- Runout accuracy < 0.003, measured at clamping diameter 4D;
- For automatic tool change.

**技术参数 | Technical data**

规格 Spec.	筒夹 [collet]	D [mm]	D1 [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
BBT30	-HY12-90	HY12(3-8)	12	32	46	90	46	40	55
	-HY16-90	HY12(3-8)	16	38	46	90	48	40	55
	-HY18-90	--	18	40	46	90	48	40	55
	-HY20-90	HY20(3-16)	20	42	46	90	49	40	50
	-HY8-95	--	8	28	46	95	44	40	50
BBT40	-HY10-95	--	10	30	52	95	44	40	50
	-HY12-95	HY12(3-8)	12	32	52	95	44	40	50
	-HY12-120	HY12(3-8)	12	32	52	120	64	40	70
	-HY16-95	HY16(3-12)	16	38	52	95	44	40	50
	-HY16-120	HY16(3-12)	16	38	52	120	64	40	70
	-HY18-95	--	18	40	52	95	44	40	50
	-HY18-120	--	18	40	52	120	64	40	70
	-HY20-95	HY20(3-16)	20	42	52	95	44	40	50
	-HY20-120	HY20(3-16)	20	42	52	120	64	40	70
	-HY25-95	HY25(3-20)	25	52	62	95	44	50	60
	-HY25-120	HY25(3-20)	25	52	62	120	64	50	70
	-HY32-95	HY32(6-25)	32	62	62	95	44	65	75
	-HY32-100	HY32(6-25)	32	62	62	100	50	65	75
	-HY32-120	HY32(6-25)	32	62	62	120	64	65	75

i 可另外选购

客制化：按要求定制其他尺寸和特殊设计；

注意事项

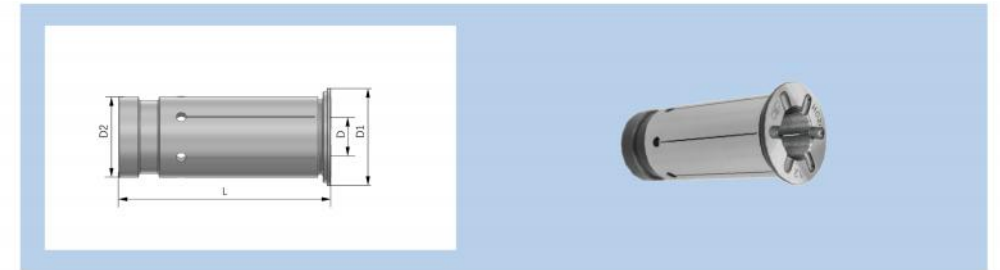
请使用公差在h6以内的刀具，未放入刀具前禁止空缩；
刀具插入深度不能小于最小刀具夹持长度。

i Available as an optional purchase

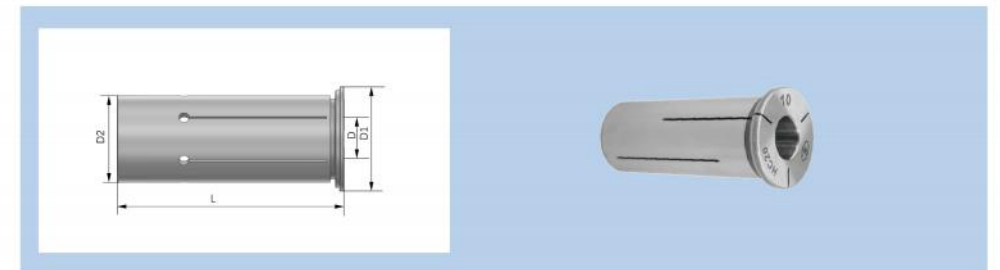
Customization: Customized in other sizes and special designs as required.

Precautions

Use only tools with a shank tolerance \leq h6.
Never activate the shrink unit without a tool inserted.
Ensure the insertion depth meets or exceeds the minimum clamping length.

**技术参数 | Technical data**

规格 Spec.	夹持范围D [mm]	D1 [mm]	D2 [mm]	L [mm]
HY12-KD	3-8	16.5	12	45
HY16-KD	3-12	20	16	49
HY20-KD	3-16	24	20	50.5
HY25-KD	3-20	29	25	54.5
HY32-KD	6-25	32	32	60.5

**技术参数 | Technical data**

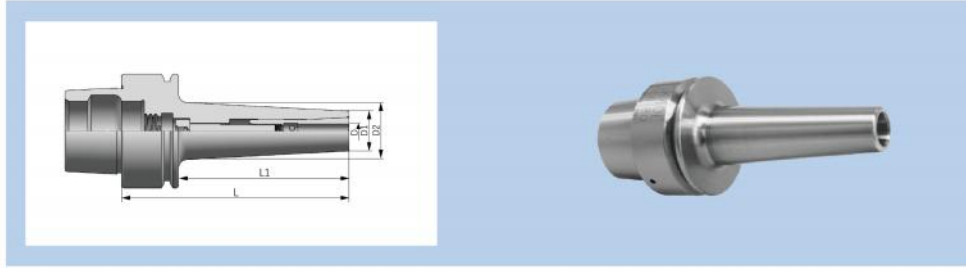
规格 Spec.	夹持范围D [mm]	D1 [mm]	D2 [mm]	L [mm]
HY12	3-8	16	12	47
HY16	3-12	21	16	50
HY20	3-16	25	20	53.5
HY25	3-20	30.5	25	58
HY32	6-25	37.5	32	64.5

产品特点

- 标准动平衡: G2.5 30000rpm
- 本体精度 ≤ 0.002mm

Features

- Standard dynamic balance: G2.5 at 30000 rpm
- Radial Runout Accuracy: ≤ 0.002 mm



技术参数 | Technical data

规格 Spec.	夹持范围D [mm]	D1 [mm]	D2 [mm]	筒夹 [collet]	L [mm]	L1 [mm]	
HSK50A	-SDC6-80	2-6	13	28	SDC6	80	54
	-SDC6-120	2-6	13	28	SDC6	120	94
	-SDC12-110	3-12	26	32	SDC12	110	84
	-SDC12-130	3-12	26	32	SDC12	130	104
HSK63A	-SDC6-80	2-6	13	28	SDC6	80	54
	-SDC6-90	2-6	13/17	28	SDC6	90	64
	-SDC6-120	2-6	13	28	SDC6	120	94
	-SDC6-130	2-6	13/17	28	SDC6	130	104
	-SDC6-150	2-6	13/18	28	SDC6	150	124
	-SDC6-200	2-6	13	28	SDC6	200	174
	-SDC8-100	3-8	16.5	28.5	SDC8	100	74
	-SDC8-130	3-8	16.5	28.5	SDC8	130	104
	-SDC8-150	3-8	16.5	28.5	SDC8	150	124
	-SDC8-200	3-8	16.5	28.5	SDC8	200	174
HSK40E	-SDC12-120	3-12	26	32	SDC12	120	94
	-SDC12-150	3-12	26	32	SDC12	150	124
	-SDC6-80	2-6	13	28	SDC6	80	54
HSK50E	-SDC6-80	2-6	13	28	SDC6	80	54
	-SDC12-110	3-12	26	32	SDC12	110	84

i 可另外选购

客制化: 按要求定制其他尺寸和特殊设计;

i Available as an optional purchase

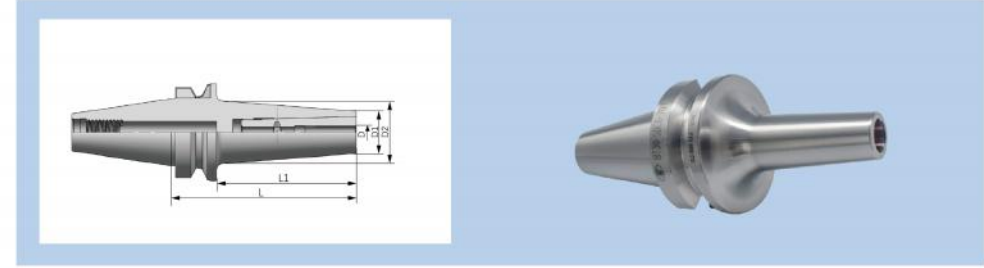
Customization: Customized in other sizes and special designs as required;

产品特点

- 标准动平衡: G2.5 30000rpm
- 本体精度 ≤ 0.002mm

Features

- Standard dynamic balance: G2.5 at 30000 rpm
- Radial Runout Accuracy: ≤ 0.002 mm



技术参数 | Technical data

规格 Spec.	D 夹持范围[mm]	D1 [mm]	D2 [mm]	筒夹 [collet]	L [mm]	L1 [mm]	
BT30	-SDC4-120	2-4	10.2	21.5	SDC4	120	98
	-SDC4-135	2-4	10.2	21.5	SDC4	135	113
	-SDC4-180	2-4	10.2	21.5	SDC4	180	158
	-SDC6-70	2-6	13	28	SDC6	70	48
	-SDC6-75	2-6	13	28	SDC6	75	53
	-SDC6-90	2-6	13	28	SDC6	90	68
	-SDC6-122	2-6	13	28	SDC6	122	100
	-SDC6-130	2-6	13	28	SDC6	130	108
	-SDC6-150	2-6	13	28	SDC6	150	128
	-SDC6-180	2-6	13	28	SDC6	180	158
	-SDC6-210	2-6	13	28	SDC6	210	188
	-SDC8-70	3-8	16.5	28.5	SDC8	70	48
	-SDC8-80	3-8	16.5	28.5	SDC8	80	58
	-SDC8-90	3-8	16.5	28.5	SDC8	90	68
	-SDC8-110	3-8	16.5	28.5	SDC8	110	88
	-SDC8-130	3-8	16.5	28.5	SDC8	130	108
	-SDC10-70	3-10	21	30	SDC10	70	48
	-SDC10-90	3-10	21	30	SDC10	90	68
	-SDC10-120	3-10	21	30	SDC10	120	98
	-SDC12-70	3-12	26	32	SDC12	70	48
-SDC12-80	3-12	26	32	SDC12	80	58	
-SDC20-80	3-20	34	34	SDC20	80	58	

i 可另外选购

客制化: 按要求定制其他尺寸和特殊设计;

i Available as an optional purchase

Customization: Customized in other sizes and special designs as required;

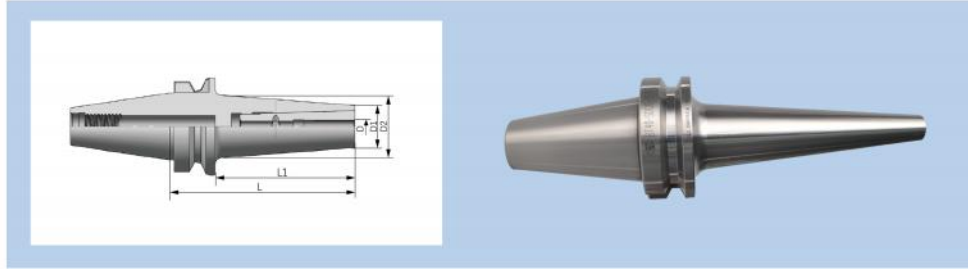


产品特点

- 标准动平衡: G2.5 30000rpm
- 本体精度 ≤ 0.002mm

Features

- Standard dynamic balance: G2.5 at 30000 rpm
- Radial Runout Accuracy: ≤ 0.002 mm



技术参数 | Technical data

规格 Spec.	夹持范围D [mm]	D 1 [mm]	D 2 [mm]	筒夹 [collet]	L [mm]	L 1 [mm]	
BT40	-SDC6-70	2-6	13	28	SDC6	70	43
	-SDC6-90	2-6	13	28	SDC6	90	63
	-SDC6-100	2-6	13	28	SDC6	100	73
	-SDC6-120	2-6	13	28	SDC6	120	93
	-SDC6-150	2-6	13	28	SDC6	150	123
	-SDC6-175	2-6	13	28	SDC6	175	148
	-SDC8-90	3-8	16.5	28.5	SDC8	90	63
	-SDC8-120	3-8	16.5	28.5	SDC8	120	93
	-SDC8-150	3-8	16.5	28.5	SDC8	150	123
	-SDC10-70	3-10	21	30	SDC10	70	43
	-SDC10-90	3-10	21	30	SDC10	90	63
	-SDC10-120	3-10	21	30	SDC10	120	93
	-SDC12-70	3-12	26	32	SDC12	70	43
	-SDC12-90	3-12	26	32	SDC12	90	63
	-SDC20-70	3-20	34	34	SDC20	70	43
	-SDC20-80	3-20	34	34	SDC20	80	53
-SDC20-100	3-20	34	34	SDC20	100	73	
-SDC20-120	3-20	34	34	SDC20	120	93	
BT50	-SDC6-100	2-6	13	28	SDC6	100	62
	-SDC8-100	2-8	16.5	28.5	SDC8	100	62
	-SDC10-100	3-10	21	30	SDC10	100	62
	-SDC12-100	3-12	26	32	SDC12	100	62
-SDC20-100	3-20	34	34	SDC20	100	62	

i 可另外选购

定制化: 按要求定制其他尺寸和特殊设计;

i Available as an optional purchase

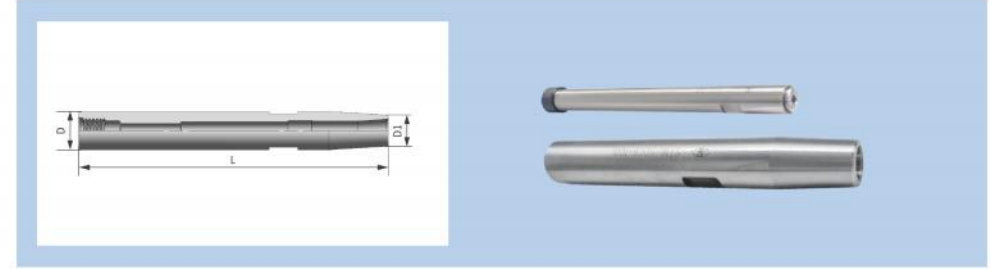
Customization: Customized in other sizes and special designs as required.

产品特点

- 适用于小径深腔加工
- 本体精度 ≤ 0.002mm

Features

- Suitable for small-diameter deep cavity machining
- Radial Runout Accuracy: ≤ 0.002 mm



技术参数 | Technical data

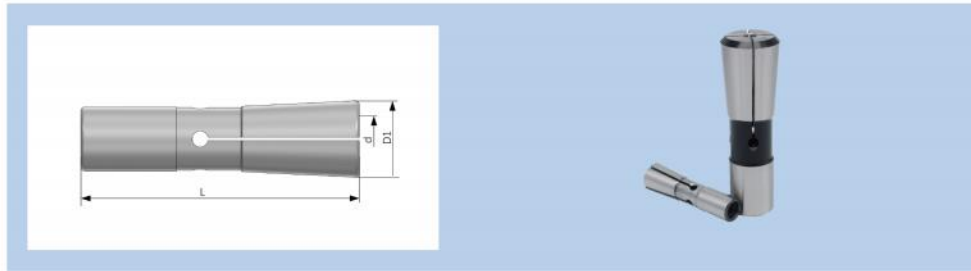
规格 Spec.	筒夹 [collet]	D [mm]	D 1 [mm]	L [mm]
ST10	-SDC4-100	10	8	100
	-SDC6-100	12	10	100
ST12	-SDC6-80	12	12	80
	-SDC6-100	12	12	100
	-SDC6-120	12	12	120
	-SDC6-150	12	12	150
ST16	-SDC6-100	16	15	100
	-SDC6-120	16	15	120
	-SDC6-130	16	15	130
	-SDC6-150	16	15	150
ST20	-SDC6-120	20	15	120
	-SDC6-150	20	15	150

i 可另外选购

定制化: 按要求定制其他尺寸和特殊设计;

i Available as an optional purchase

Customization: Customized in other sizes and special designs as required.



技术参数 | Technical data

规格 Spec.	夹持范围d [mm]	D1 [mm]	L [mm]
SDC4	2-4	7.0	31
SDC6	2-6	9.6	36
SDC8	3-8	12.0	36
SDC10	3-10	20.0	51
SDC12	3-12	22.0	60
SDC20	3-20	27.0	67

可另外选购

客制化：按要求定制其他尺寸和特殊设计；

Available as an optional purchase

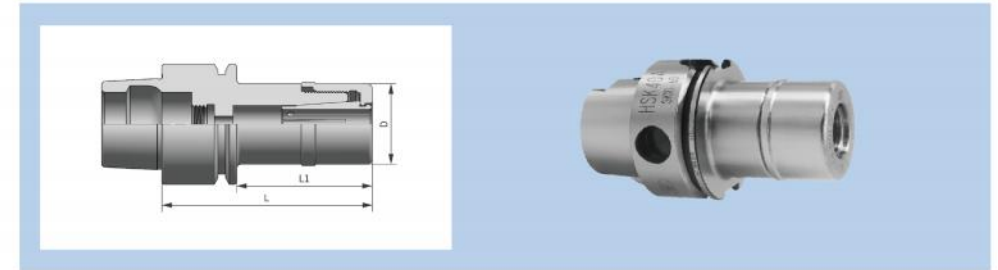
Customization: Customized in other sizes and special designs as required;

产品特点

- 本体精度：≤0.002mm
- SK筒夹锥度4°，增加夹持力、提供稳定性
- 动平衡：G2.5 30000rpm

Features

- Radial Runout Accuracy: ≤ 0.002 mm
- SK collet with 4° taper: Enhances clamping force and ensures stability
- Dynamic balance: G2.5 at 30000 rpm



技术参数 | Technical data

规格 Spec.		D [mm]	L [mm]	L1 [mm]	筒夹 [collet]	螺母 [nut]	扳手 [wrench]
HSK40A	-SK06-60	19.5	60	40	SK06	SK6-P/ SK6-HS	SK6-W/ W-HS
	-SK10-60	27	60	40	SK10	SK10-P/ SK10-HS	SK10-W/ W-HS
HSK50A	-SK06-100	19.5	100	74	SK06	SK6-P/ SK6-HS	SK6-W/ W-HS
	-SK10-100	27	100	74	SK10	SK10-P/ SK10-HS	SK10-W/ W-HS
HSK63A	-SK16-100	40	100	74	SK16	SK16-P/ SK16-HS	SK16-W/ W-HS
	-SK06-100	19.5	100	74	SK06	SK6-P/ SK6-HS	SK6-W/ W-HS
	-SK10-90	27	90	64	SK10	SK10-P/ SK10-HS	SK10-W/ W-HS
	-SK10-100	27	100	74	SK10	SK10-P/ SK10-HS	SK10-W/ W-HS
	-SK16-90	40	90	64	SK16	SK16-P/ SK16-HS	SK16-W/ W-HS
	-SK16-100	40	100	74	SK16	SK16-P/ SK16-HS	SK16-W/ W-HS
	-SK16-120	40	120	94	SK16	SK16-P/ SK16-HS	SK16-W/ W-HS
	-SK20-105	48	105	79	SK20	SK20-P/ SK20-HS	SK20-W/ W-HS
HSK100A	-SK20-120	48	120	94	SK20	SK20-P/ SK20-HS	SK20-W/ W-HS
	-SK25-120	54	120	94	SK25	SK25-P	SK25-W
	-SK06-100	19.5	100	71	SK06	SK6-P/ SK6-HS	SK6-W/ W-HS
	-SK10-105	27	105	76	SK10	SK10-P/ SK10-HS	SK10-W/ W-HS
HSK32E	-SK16-105	40	105	76	SK16	SK16-P/ SK16-HS	SK16-W/ W-HS
	-SK25-120	54	120	91	SK25	SK25-P	SK25-W
HSK40E	-SK06-60	19.5	60	40	SK06	SK6-P/ SK6-HS	SK6-W/ W-HS
	-SK10-60	27	60	40	SK10	SK10-P/ SK10-HS	SK10-W/ W-HS
HSK50E	-SK06-80	19.5	80	60	SK06	SK6-P/ SK6-HS	SK6-W/ W-HS
	-SK10-60	27	60	40	SK10	SK10-P/ SK10-HS	SK10-W/ W-HS
	-SK10-80	27	80	60	SK10	SK10-P/ SK10-HS	SK10-W/ W-HS
	-SK16-80	40	80	60	SK16	SK16-P/ SK16-HS	SK16-W/ W-HS
HSK63F	-SK06-100	19.5	100	74	SK06	SK6-P/ SK6-HS	SK6-W/ W-HS
	-SK10-100	27	100	74	SK10	SK10-P/ SK10-HS	SK10-W/ W-HS
HSK63F	-SK16-100	40	100	74	SK16	SK16-P/ SK16-HS	SK16-W/ W-HS
	-SK10-70	27	70	44	SK10	SK10-P/ SK10-HS	SK10-W/ W-HS