

E—
通用刀柄

百斯图工具制造有限公司

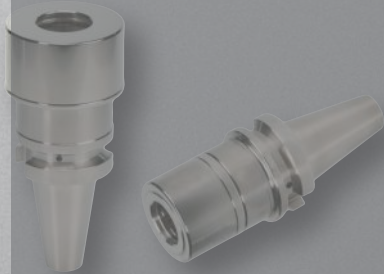
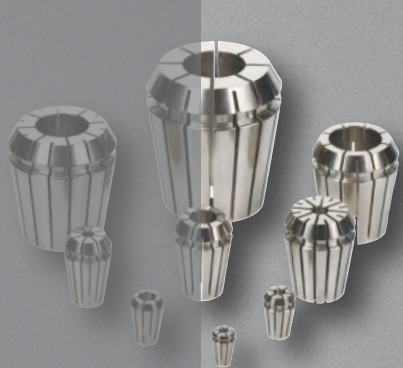
华东区域	East China Area	189 0219 0578
华北区域	North China Area	180 2001 0358
华中区域	Central China Area	189 0210 1516
东北区域	Northeast Area	133 3205 6691
西南区域	Southwest Area	189 0210 1516
西北区域	Northwest Area	133 5207 3018
广东区域	Guangdong Area	153 3200 8595
山东区域	Shandong Area	189 2021 6828
外贸销售	Export Sales	189 2008 0858

022-60379917 天津市武清区京滨工业园京滨大道99号
softool.sale@cxtc.com www.xtc-softool.com

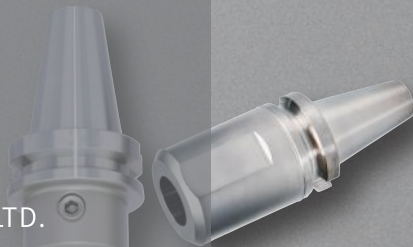


公众号二维码 视频号二维码

E —
GENERAL
TOOL HOLDER



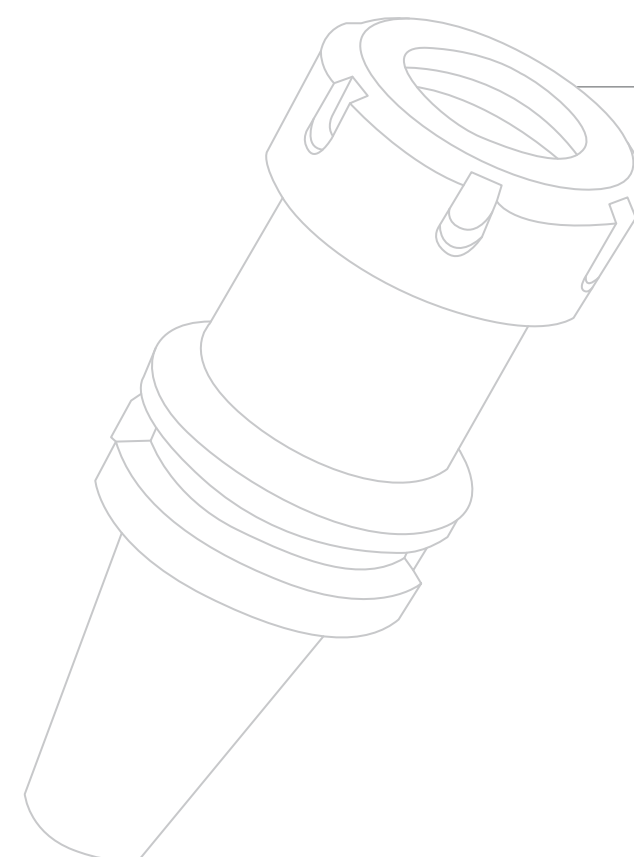
百斯图工具制造有限公司
SOFTOOL MANUFACTURING CO., LTD.



2023 - V2

E—通用刀柄

E - General
Tool Holder



公司简介

COMPANY PROFILE

百斯图工具制造有限公司位于天津京滨工业园区，隶属于厦门钨业股份有限公司，新厂进行现代规模化投资并于2020年底投入使用，新厂配有多条自动化标准品产线，配备全套进口热处理、表面处理设备线，年产能达60万件。是一家专注于金属切削刀体的高新技术企业。

As a member of Xiamen Tungsten Co., Ltd., SofTool Manufacturing Co., Ltd. is located at Jingbin industrial park in Tianjin. With modern scale investment, the new plant has been put into use at the end of 2020. With multiple automated production lines, a full set of advanced heat treatment, surface processing equipment lines, the annual production capacity is expected to reach 600 thousand pieces, we are a high-tech enterprise focusing on metal cutting tool bodies.

集产品研发、工艺设计、生产制造、OEM/ODM代工、产品销售为一体的钢制品制造企业，为全球客户专业提供PSC产品、铣刀体、钻杆、镗刀、液压刀柄、热装刀柄、曲轴、型线刀具等产品及个性化专属解决方案，产品应用覆盖了风（核）能发电、模具制造、汽车、工程机械、铁路、石油化工等各个领域。

As a steel product manufacturing enterprise integrating product research and development, process design, manufacturing, OEM/ODM, and product sales, we provide professional cutter tools and personalized and exclusive solutions for PSC product, milling tool bodies, drilling stem, boring tools, shrink-fit chuck, hydraulic chuck, crank shaft for global customers. Our products are applied in wind (nuclear) power generation, mold manufacturing, automobiles, construction machinery, railways, petrochemicals and other fields.





V 愿景 ision

构建全球刀具行业的协助平台，
成为世界具有影响力的刀具企业。

To build a global synergistic platform
for the cutting tools,
to be one of the influential tool body
manufacturing companies.

M 使命 ission

引领刀体行业的健康发展；
助力刀具企业的产业升级。

Leading the healthy development for
the tool body industry;
expediting the industrial upgrades
for the tooling companies.

C 核心价值观 ore Value

以品质铸就企业，
以利益回馈客户，
以价值成就员工。

To build the company with quality,
to reward customers with benefits,
to cultivate employees with value.

S 品牌标语 logan

是刀具更是艺术。

Tooling also arts.

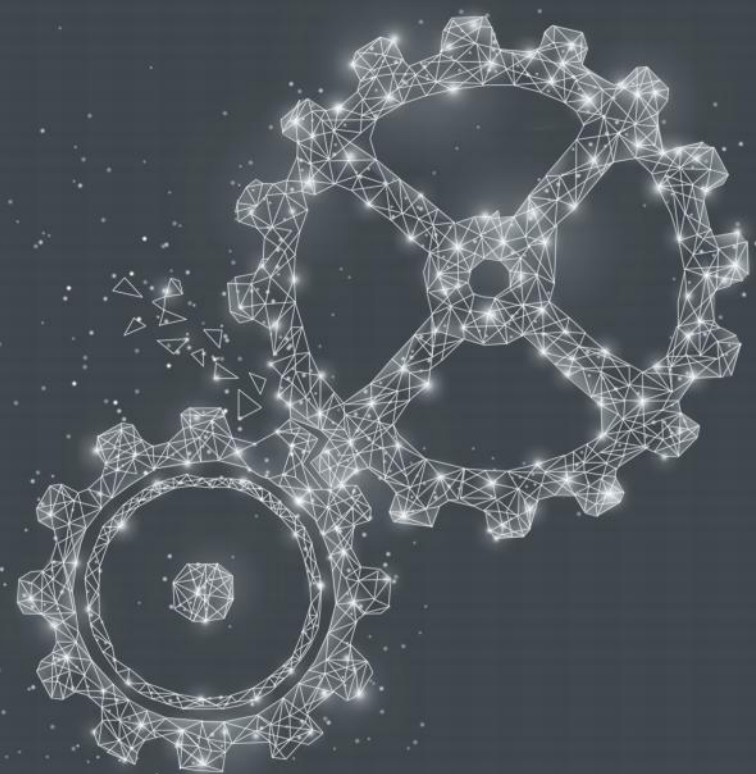


SUPERIOR SERVICE
206EKIOK 2EKAICE

优质服务 SUPERIOR SERVICE

恪守“品质优先 客户至上”的服务宗旨，利用技术、产能和规模优势，为客户提供质量稳定的产品和交付快捷的服务。

Adhering to the service tenet of quality-oriented, customer first, we take advantage of technology, capacity and scale to provide customers with stable quality products and fast delivery services.



ADVANCED TECHNOLOGY
ADVANCED TECHNOLOGY

精湛技术

ADVANCED TECHNOLOGY

经验丰富的技术人才、先进设计仿真平台、先进工艺流程、国际进口数控设备、系统信息化管理,为客户攻坚克难,提供刀体解决方案。

In order to provide cutting tools solution and overcome difficulties for customers, experienced technical talents, high-tech design simulation platform, advanced controlling process, CNC equipment, as well as system information management are integrated.



LARGE SCALE
LARGE SCALE

更大规模 LARGE SCALE

自动化生产线、国际进口热处理、表面处理加工设备线、投资10亿、年产能60万件，满足客户对产品的多种工艺需求。

Providing customers with various processing skills, such as automated production line, advanced heat treatment, surface processing equipment line with 1 billion investment and 600 thousand capacity to meet multiple demands.

非常感谢各位查阅百斯图2023年样册。
本样册共包含5本产品样本, 详见综合目录。
关于本产品样册中刊载的产品内容, 由于进行研究开发改良, 实际产品规格可能与产品样册中的规格有所不同, 以产品实际情况为准, 请予以理解。

* 本样册所刊载所有样品均支持OEM贴牌业务。

可单独订购配件, 按需询价。

Thank you very much for using the brochure from SofTool in 2023.
The brochure contains 5 product sample books in total. Please refer to the comprehensive catalog for details.
Due to the research, development and improvement, the actual product specifications may be a little different from the content in the product catalogue. The actual product will be taken as final. We highly appreciate your kind understanding.

* It supports OEM business for all products in this brochure.

The spare parts can be ordered separately. Please inquire on demand.

综合目录

COMPREHENSIVE CATALOG

A	液压刀柄	Hydraulic Chuck	
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◎ E	通用刀柄	General Tool Holder	01-44

E 通用刀柄 - 目录

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● 扳手命名方式	Key Naming And Coding Rules	E07	G/PSD滚珠扳手	G/PSD Ball Key	E36
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BT30/40-GER		E12			
BT30-ER		E13			
BT40/50-ER		E14			
ER筒夹	ER Collet	E16			
ER螺帽	ER Nut	E19			
ER扳手	ER Key	E20			
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筒夹刀柄命名方式
Collet Chuck Adaptor Naming And Coding Rules

BT	30
	40
	50
HSK-A	63
	100

01.接口规格 | COUPLING TYPE

HSK63A
01

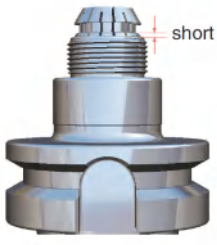
60	60mm	135	135mm
70	70mm	150	150mm
80	80mm	160	160mm
90	90mm	165	165mm
100	100mm	200	200mm
105	105mm	250	250mm
120	120mm	300	300mm

03.有效长度 | LENGTH

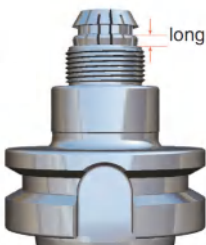
100
03

02.筒夹规格 | COLLET TYPE

ER	ER11	GER	ER16	SD	SD06
	ER16		ER20		SD10
	ER20		ER25		SD13
	ER25		ER32		SD16
	ER32				SD20
	ER40				SD25



GER



ER

- GER与ER，仅在筒夹埋入深度上有所差异，适配筒夹相同。
- GER and ER are different only in the embedding depth of the collet, but the same for matching the collet types.

筒夹命名方式
Collet Chuck Naming And Coding Rules

ER	通用筒夹 General Purpose Collet
SD	高速高精筒夹 High Speed & High Precision Collet

01.筒夹类型 | COLLET TYPE

ER
01

ER	8	ER	32	SD	16
	11		40		
	16	SD	6		
	20		10		
	25		13		25

02.筒夹规格 | COLLET TYPE

08
02

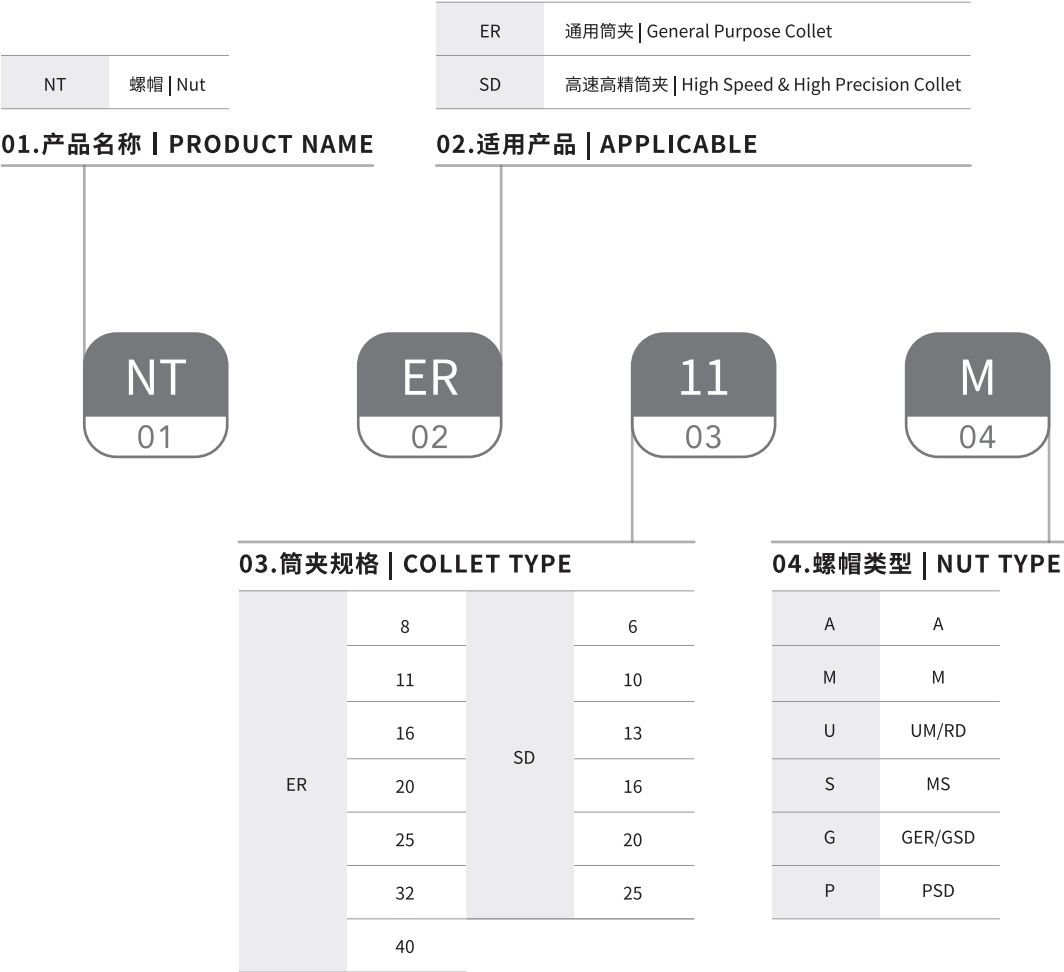
050
03

03.夹持直径 | DIAMETER

1	1mm	14	14mm	1.5	1.5mm	13.5	13.5mm
2	2mm	15	15mm	2.5	2.5mm	14.5	14.5mm
3	3mm	16	16mm	3.2	3.2mm	15.5	15.5mm
4	4mm	17	17mm	3.5	3.5mm	16.5	16.5mm
5	5mm	18	18mm	4.5	4.5mm	17.5	17.5mm
6	6mm	19	19mm	5.5	5.5mm	18.5	18.5mm
7	7mm	20	20mm	6.5	6.5mm	19.5	19.5mm
8	8mm	21	21mm	7.5	7.5mm	20.5	20.5mm
9	9mm	22	22mm	8.5	8.5mm	21.5	21.5mm
10	10mm	23	23mm	9.5	9.5mm	22.5	22.5mm
11	11mm	24	24mm	10.5	10.5mm	23.5	23.5mm
12	12mm	25	25mm	11.5	11.5mm	24.5	24.5mm
13	13mm	26	26mm	12.5	12.5mm	25.4	25.4mm

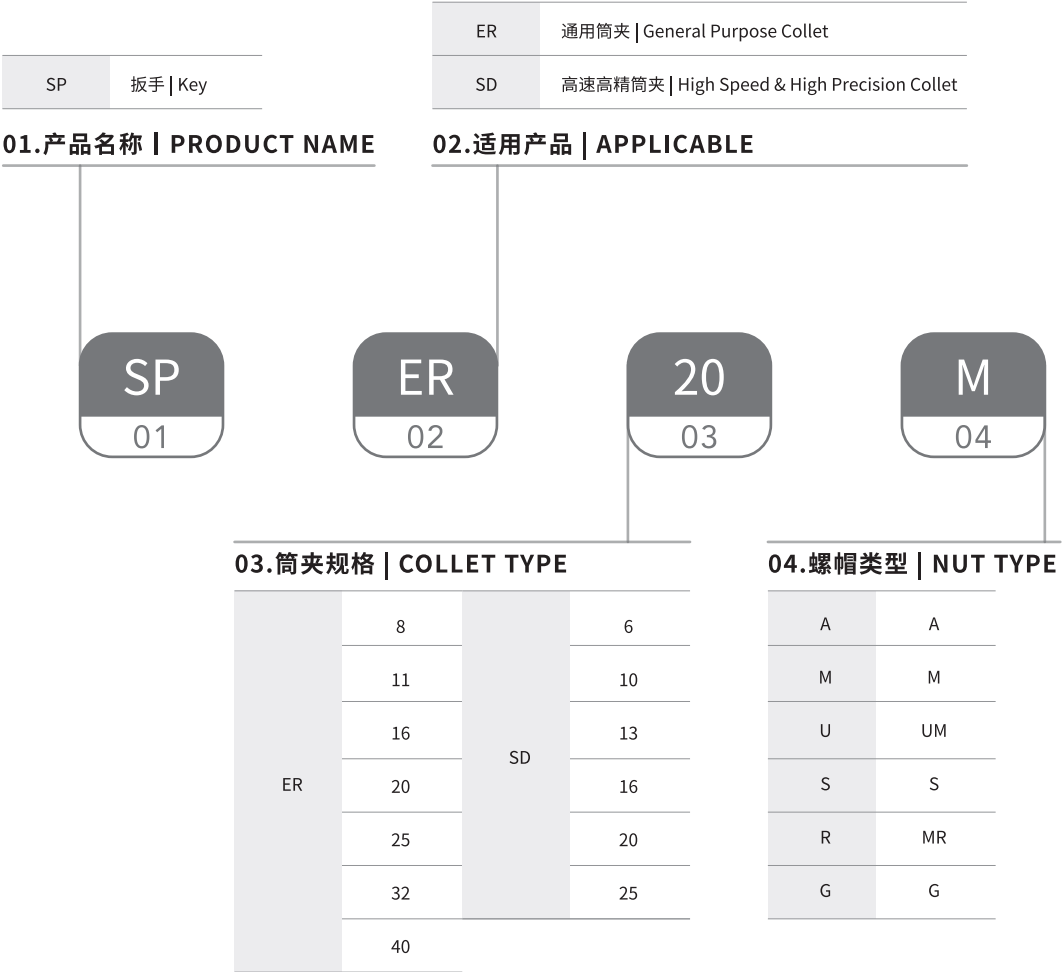
◎

螺帽命名方式
Nut Naming And Coding Rules



◎

扳手命名方式
Key Naming And Coding Rules



◎ 延长杆命名方式
Extension Bar Naming And Coding Rules

8	8mm		
10	10mm	22	22mm
12	12mm	25	25mm
16	16mm	32	32mm
20	20mm	40	40mm

01.延长杆直径 | DIAMETER

D20
01

ER25
02

02.适配筒夹 | COLLET TYPE

ER	8
	11
	16
	20
	25
	32
	40

A	A
M	M
U	UM/RD

03.螺帽类型 | NUT TYPE

U
03

150
04

04.有效长度 | LENGTH

50	50mm	80	80mm
55	55mm	100	100mm
60	60mm	140	140mm
70	70mm	150	150mm
75	75mm		

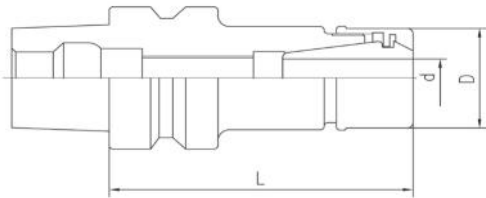
ER-标准筒夹刀柄

STANDARD ER COLLET BAR ADAPTOR



- 适用于钻削、铰削、铣削等切削加工；
 - 接口涵盖BT、HSK；
 - 内锥径向跳动≤0.002mm。
- For drilling, reaming, milling and other machining.
 - Coupling type covers BT and HSK.
 - Radial runout of inner cone ≤0.002mm.

HSK63A-GER

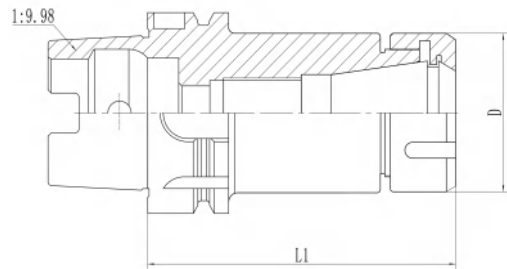


技术参数 | Technical parameters

单位 | Unit: mm

订货号 Ordering code	d	D	L	筒夹 Collet	螺帽 Nut	扳手 Key
HSK63A-GER16-100	1-10	27.1	100	ER16	GER16	GH27
HSK63A-GER20-100	1-13	33	100	ER20	GER20	GH33
HSK63A-GER25-100	1-16	40	100	ER25	GER25	GH40
HSK63A-GER32-100	1-20	50	100	ER32	GER32	GH50

HSK63/100A-ER

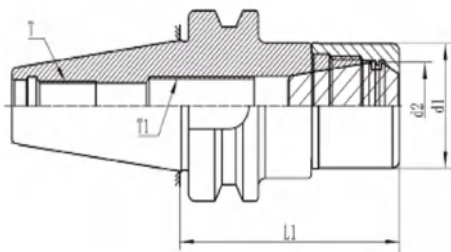


技术参数 | Technical parameters

单位 | Unit: mm

订货号 Ordering code	夹持范围 Range	D	L1	筒夹 Collet	螺帽 Nut	扳手 Key
HSK63A-ER16-080	1 - 10	28	80	ER16	ER16A	ER16A
HSK63A-ER16-100	1 - 10	28	100	ER16	ER16A	ER16A
HSK63A-ER20-080	1 - 13	34	80	ER20	ER20A	ER20A
HSK63A-ER20-100	1 - 13	34	100	ER20	ER20A	ER20A
HSK63A-ER25-080	1 - 16	42	80	ER25	ER25UM	ER25UM
HSK63A-ER25-100	1 - 16	42	100	ER25	ER25UM	ER25UM
HSK63A-ER32-080	1 - 20	50	80	ER32	ER32UM	ER32UM
HSK63A-ER32-100	1 - 20	50	100	ER32	ER32UM	ER32UM
HSK63A-ER40-120	3 - 26	63	120	ER40	ER40UM	ER40UM
HSK100A-ER16-100	1 - 10	28	100	ER16	ER16A	ER16A
HSK100A-ER16-160	1 - 10	28	160	ER16	ER16A	ER16A
HSK100A-ER20-100	1 - 13	34	100	ER20	ER20A	ER20A
HSK100A-ER20-160	1 - 13	34	160	ER20	ER20A	ER20A
HSK100A-ER25-100	1 - 16	42	100	ER25	ER25UM	ER25UM
HSK100A-ER25-160	1 - 16	42	160	ER25	ER25UM	ER25UM
HSK100A-ER32-100	1 - 20	50	100	ER32	ER32UM	ER32UM
HSK100A-ER32-160	1 - 20	50	160	ER32	ER32UM	ER32UM
HSK100A-ER40-100	3 - 26	63	100	ER40	ER40UM	ER40UM

BT30/40-GER



技术参数 | Technical parameters

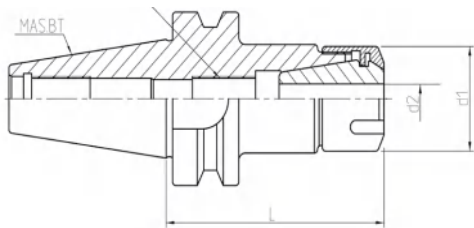
单位 | Unit: mm

订货号 Ordering code	L1	D	d1	d2	T	筒夹 Collet	螺帽 Nut	扳手 Key
BT30-GER16-070	70	46	27.1	1-10	M11X1P	ER16	GER16	GH27
BT30-GER20-070	70		33	1-13	M14X1P	ER20	GER20	GH33
BT30-GER25-070	70		40	1-16	M18X1P	ER25	GER25	GH40
BT30-GER32-070	70		50	1-20	M22X1.5P	ER32	GER32	GH50
BT40-GER16-100	100	63	27.1	1-10	M11X1P	ER16	GER16	GH27
BT40-GER20-100	100		33	1-13	M14X1P	ER20	GER20	GH33
BT40-GER25-100	100		40	1-16	M18X1P	ER25	GER25	GH40
BT40-GER32-100	100		50	1-20	M22X1.5P	ER32	GER32	GH50

注：有动平衡的额外需求请单独询价。

Note: Please inquiry separately for additional requirements of dynamic balance.

BT30-ER



技术参数 | Technical parameters

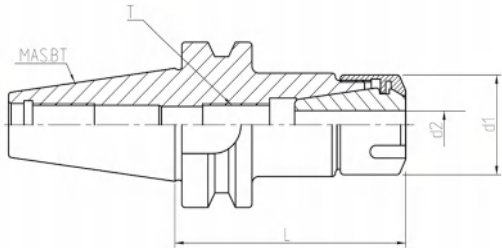
单位 | Unit: mm

订货号 Ordering code	L	d1	d2	T	筒夹 Collet	螺帽 Nut	扳手 Key
BT30-ER11-070	70	19	1-7	M6X1P	ER11	ER11A	ER11A
BT30-ER11-100	100				ER11	ER11A	ER11A
BT30-ER16-070	70	28	1-10	M11X1P	ER16	ER16A	ER16A
BT30-ER16-100	100				ER16	ER16A	ER16A
BT30-ER20-070	70	34	1-13	M14X1P	ER20	ER20A	ER20A
BT30-ER20-100	100				ER20	ER20A	ER20A
BT30-ER25-070	70	42	1-16	M18X1P	ER25	ER25UM	ER25UM
BT30-ER25-100	100				ER25	ER25UM	ER25UM
BT30-ER32-070	70	50	1-20	M22X1.5P	ER32	ER32UM	ER32UM
BT30-ER32-100	100				ER32	ER32UM	ER32UM

注：有动平衡的额外需求请单独询价。

Note: Please inquiry separately for additional requirements of dynamic balance.

BT40/50-ER



技术参数 | Technical parameters

单位 | Unit: mm

订货号 Ordering code	L	d1	d2	T	筒夹 Collet	螺帽 Nut	扳手 Key
BT40-ER11-070	70	19	1-7	M6×1P	ER11	ER11A	ER11A
BT40-ER11-100	100						
BT40-ER16-070	70	28	1-10	M11X1P	ER16	ER16A	ER16A
BT40-ER16-100	100						
BT40-ER16-150	150						
BT40-ER20-070	70	34	1-13	M14X1P	ER20	ER20A	ER20A
BT40-ER20-100	100						
BT40-ER20-150	150						
BT40-ER25-070	70	42	1-16	M18X1P	ER25	ER25UM	ER25UM
BT40-ER25-100	100						
BT40-ER25-150	150						
BT40-ER32-070	70	50	1-20	M22X1.5P	ER32	ER32UM	ER32UM
BT40-ER32-100	100						
BT40-ER32-150	150						

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BT40/50-ER

技术参数 | Technical parameters

单位 | Unit: mm

订货号 Ordering code	L	d1	d2	T	筒夹 Collet	螺帽 Nut	扳手 Key
BT40-ER40-070	70	63	3-26	M28X1.5P	ER40	ER40UM	ER40UM
BT40-ER40-100	100						
BT50-ER16-070	70	28	1-10	M11X1P	ER16	ER16A	ER16A
BT50-ER16-100	100						
BT50-ER16-150	150						
BT50-ER16-200	200						
BT50-ER20-070	70	34	1-13	M14X1P	ER20	ER20A	ER20A
BT50-ER20-100	100						
BT50-ER20-150	150						
BT50-ER20-200	200						
BT50-ER25-070	70	42	1-16	M18X1P	ER25	ER25UM	ER25UM
BT50-ER25-100	100						
BT50-ER25-150	150						
BT50-ER25-200	200						
BT50-ER32-070	70	50	1-20	M22X1.5P	ER32	ER32UM	ER32UM
BT50-ER32-100	100						
BT50-ER32-150	150						
BT50-ER32-200	200						
BT50-ER32-250	250						
BT50-ER32-300	300						
BT50-ER40-080	80	63	3-26	M28X1.5P	ER40	ER40UM	ER40UM
BT50-ER40-100	100						
BT50-ER40-150	150						
BT50-ER40-200	200						

注：有动平衡的额外需求请单独询价。

Note: Please inquiry separately for additional requirements of dynamic balance.

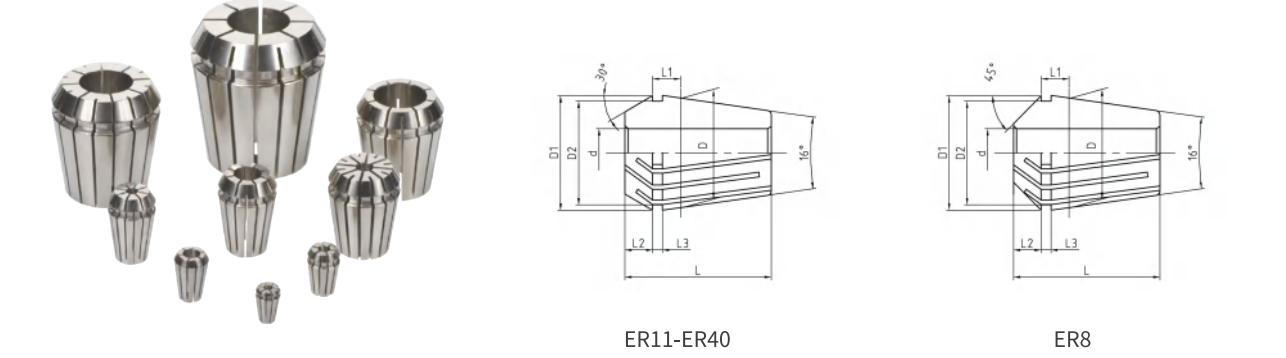
ER筒夹 | ER COLLET

DIN 6499B

ER筒夹 | ER COLLET

DIN 6499B

- 等级说明：A级≤0.008mm; AA级≤0.005mm
 - 订货号=基础订货号+等级
 - 举例：订货号 ER-08-030-A(或AA)
- Grade Description: Grade A≤0.008mm; Grade AA≤0.005mm;
 - Ordering code = basic ordering code + grade;
 - Example: ordering code ER-08-030-A (or AA).



技术参数 | Technical parameters

单位 | Unit: mm

型号 Model No.	dH7	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	46.0	60	12.6	8.5	5.5	1
	>10.0-34.0	50	52	46.0	60	12.6	8.5	5.5	2

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技术参数 | Technical parameters

单位 | Unit: mm

ER8			ER11			ER16		
基础订货号 Basic Ordering code	型号 Model No.	范围 Range	基础订货号 Basic Ordering code	型号 Model No.	范围 Range	基础订货号 Basic Ordering code	型号 Model No.	范围 Range
ER-08-030	ER8-3	3-2.5	ER-11-030	ER11-3	3-2.5	ER-16-030	ER16-3	3-2
ER-08-035	ER8-3.5	3.5-3	ER-11-035	ER11-3.5	3.5-3	ER-16-040	ER16-4	4-3
ER-08-040	ER8-4	4-3.5	ER-11-040	ER11-4	4-3.5	ER-16-050	ER16-5	5-4
ER-08-045	ER8-4.5	4.5-4	ER-11-045	ER11-4.5	4.5-4	ER-16-060	ER16-6	6-5
ER-08-050	ER8-5	5-4.5	ER-11-050	ER11-5	5-4.5	ER-16-070	ER16-7	7-6
			ER-11-055	ER11-5.5	5.5-5	ER-16-080	ER16-8	8-7
			ER-11-060	ER11-6	6-5.5	ER-16-090	ER16-9	9-8
			ER-11-065	ER11-6.5	6.5-6	ER-16-100	ER16-10	10-9
			ER-11-070	ER11-7	7-6.5			

技术参数 | Technical parameters

单位 | Unit: mm

ER20			ER25		
基础订货号 Basic Ordering code	型号 Model No.	范围 Range	基础订货号 Basic Ordering code	型号 Model No.	范围 Range
ER-20-030	ER20-3	3-2	ER-25-030	ER25-3	3-2
ER-20-040	ER20-4	4-3	ER-25-040	ER25-4	4-3
ER-20-050	ER20-5	5-4	ER-25-050	ER25-5	5-4
ER-20-060	ER20-6	6-5	ER-25-060	ER25-6	6-5
ER-20-070	ER20-7	7-6	ER-25-070	ER25-7	7-6
ER-20-080	ER20-8	8-7	ER-25-080	ER25-8	8-7
ER-20-090	ER20-9	9-8	ER-25-090	ER25-9	9-8
ER-20-100	ER20-10	10-9	ER-25-100	ER25-10	10-9
ER-20-110	ER20-11	11-10	ER-25-110	ER25-11	11-10
ER-20-120	ER20-12	12-11	ER-25-120	ER25-12	12-11
ER-20-130	ER20-13	13-12	ER-25-130	ER25-13	13-12
			ER-25-140	ER25-14	14-13
			ER-25-150	ER25-15	15-14
			ER-25-160	ER25-16	16-15

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ER筒夹 | ER COLLET

技术参数 | Technical parameters

单位 | Unit: mm

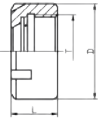
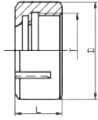
ER32			ER40		
基础订货号 Basic Ordering code	型号 Model No.	范围 Range	基础订货号 Basic Ordering code	型号 Model No.	范围 Range
ER-32-030	ER32-3	3-2	ER-40-030	ER40-3	3-2
ER-32-040	ER32-4	4-3	ER-40-040	ER40-4	4-3
ER-32-050	ER32-5	5-4	ER-40-050	ER40-5	5-4
ER-32-060	ER32-6	6-5	ER-40-060	ER40-6	6-5
ER-32-070	ER32-7	7-6	ER-40-070	ER40-7	7-6
ER-32-080	ER32-8	8-7	ER-40-080	ER40-8	8-7
ER-32-090	ER32-9	9-8	ER-40-090	ER40-9	9-8
ER-32-100	ER32-10	10-9	ER-40-100	ER40-10	10-9
ER-32-110	ER32-11	11-10	ER-40-110	ER40-11	11-10
ER-32-120	ER32-12	12-11	ER-40-120	ER40-12	12-11
ER-32-130	ER32-13	13-12	ER-40-130	ER40-13	13-12
ER-32-140	ER32-14	14-13	ER-40-140	ER40-14	14-13
ER-32-150	ER32-15	15-14	ER-40-150	ER40-15	15-14
ER-32-160	ER32-16	16-15	ER-40-160	ER40-16	16-15
ER-32-170	ER32-17	17-16	ER-40-170	ER40-17	17-16
ER-32-180	ER32-18	18-17	ER-40-180	ER40-18	18-17
ER-32-190	ER32-19	19-18	ER-40-190	ER40-19	19-18
ER-32-200	ER32-20	20-19	ER-40-200	ER40-20	20-19
			ER-40-210	ER40-21	21-20
			ER-40-220	ER40-22	22-21
			ER-40-230	ER40-23	23-22
			ER-40-240	ER40-24	24-23
			ER-40-250	ER40-25	25-24
			ER-40-260	ER40-26	26-25

DIN 6499B

ER螺帽 | ER NUT

技术参数 | Technical parameters

单位 | Unit: mm

订货号 Ordering code	形式 Type	型号 Model No.	D	L	T	
NT-ER-08-A	A	ER8A	13.5	11	M10x0.75P	 A Type 
NT-ER-11-A		ER11A	19	11.3	M14x0.75P	
NT-ER-16-A		ER16A	28	17.5	M22x1.5P	
NT-ER-20-A		ER20A	34	19	M25x1.5P	
NT-ER-08-M	M	ER8M	12	11	M10x0.75P	 M Type 
NT-ER-11-M		ER11M	16	12	M13x0.75P	
NT-ER-16-M		ER16M	22	18	M19x1.0P	
NT-ER-20-M		ER20M	28	19	M24x1.0P	
NT-ER-25-M	UM/RD	ER25M	35	20	M30x1.0P	 UM/RD Type 
NT-ER-16-U		ER16UM	32	17	M22x1.5P	
NT-ER-20-U		ER20UM	35	19	M25x1.5P	
NT-ER-25-U		ER25UM	42	20	M32x1.5P	
NT-ER-32-U		ER32UM	50	22.5	M40x1.5P	
NT-ER-40-U	MS	ER40UM	63	25.5	M50x1.5P	 MS Type 
NT-ER-50-U		ER50UM	78	35.5	M64x2.0P	
NT-ER-08-S		ER8MS	12	10.8	M10x0.75P	
NT-ER-11-S		ER11MS	16	11.3	M13x0.75P	
NT-ER-16-S		ER16MS	22	17	M19x1.0P	
NT-ER-20-S	GER	ER20MS	28	19	M24x1.0P	 GER Type 
NT-ER-25-S		ER25MS	35	23	M30x1.0P	
NT-ER-08-G		GER8	12	13	M10x0.75P	
NT-ER-11-G		GER11	19.5	11.3	M13x0.75P	
NT-ER-16-G		GER16	27.1	23	M19x1.0P	
NT-ER-20-G		GER20	33	25	M24x1.0P	
NT-ER-25-G		GER25	40	26	M30x1.0P	
NT-ER-32-G		GER32	50	30	M40x1.0P	

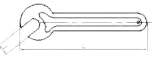
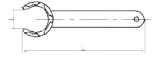
注：螺纹等级：4H

Note: Thread grade: 4H.

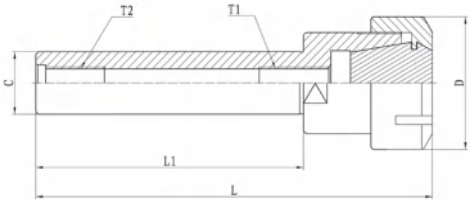
ER扳手 | ER KEY

技术参数 | Technical parameters

单位 | Unit: mm

订货号 Ordering code	形式 Type	型号 Model No.	l	L	适用螺帽 Nut	
SP-ER-08-A	A	ER8A	13	100	ER8A	A Type 
SP-ER-11-A		ER11A	17	110	ER11A	
SP-ER-16-A		ER16A	25	120	ER16A	
SP-ER-20-A		ER20A	30	130	ER20A	
SP-ER-08-M	M	ER8M	7.5	70	ER8M	M Type 
SP-ER-11-M		ER11M	11	90	ER11M	
SP-ER-16-M		ER16M	15	110	ER16M	
SP-ER-20-M		ER20M	19.5	120	ER20M	
SP-ER-25-M		ER25M	25	130	ER25M	
SP-ER-16-U	UM	ER16UM	26	180	ER16UM	UM Type 
SP-ER-20-U		ER20UM	30	190	ER20UM	
SP-ER-25-U		ER25UM	37	210	ER25UM	
SP-ER-32-U		ER32UM	46.5	250	ER32UM	
SP-ER-40-U		ER40UM	58	290	ER40UM	
SP-ER-25-S	S	S/ER25	45-52	167	ER25UM	S Type 
SP-ER-32-S		S/ER32	55-62	190	ER32UM	
SP-ER-40-S		S/ER40	68-72	215	ER40UM	
SP-ER-11-R	MR	ER11MR	10	100	ER11MS	MR Type 
SP-ER-16-R		ER16MR	15	135	ER16MS	
SP-ER-20-R		ER20MR	18	160	ER20MS	
SP-ER-25-R		ER25MR	23	180	ER25MS	
SP-ER-11-G	G	GH19	19.5	120	GER11	G Type 
SP-ER-16-G		GH27	27.1	150	GER16	
SP-ER-20-G		GH33	33	160	GER20	
SP-ER-25-G		GH40	40	181	GER25	
SP-ER-32-G		GH50	50	200	GER32	

直柄ER延长杆 | Straight ER Collet Extension



技术参数 | Technical parameters

单位 | Unit: mm

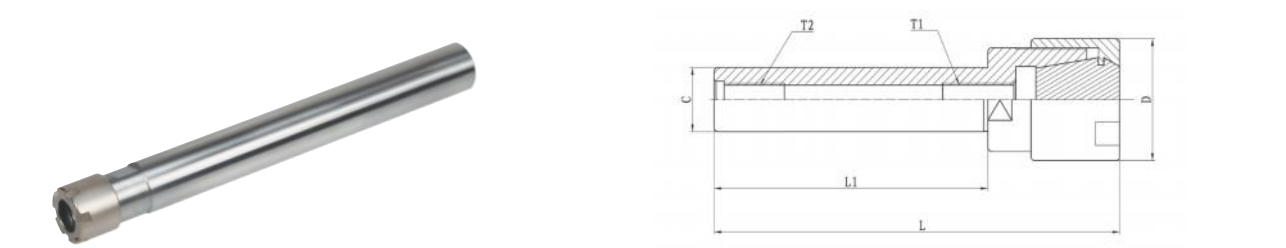
订货号 Ordering code	L	L1	D	C	T1	T2	筒夹 Collet	扳手 Key
D08-ER11A-100	128.3	100	19	8	M6X1P	M4X0.7P	ER11	ER11A
D16-ER11A-050	74.3	50	19	16	M6X1P	M10X1.5P	ER11	ER11A
D16-ER11A-100	124.3	100	19	16	M6X1P	M10X1.5P	ER11	ER11A
D16-ER11A-150	174.3	150	28	16	M6X1P	M10X1.5P	ER11	ER11A
D16-ER16A-100	140.3	100	28	16	M6X1P	M10X1.5P	ER16	ER16A
D16-ER16A-150	190.3	150	28	16	M6X1P	M10X1.5P	ER16	ER16A
D16-ER20A-100	150.2	100	34	16	M10X1.5P	M10X1.5P	ER20	ER20A
D20-ER16A-050	90.3	50	28	20	M10X1.5P	M10X1.5P	ER16	ER16A
D20-ER16A-100	140.3	100	28	20	M10X1.5P	M10X1.5P	ER16	ER16A
D20-ER16A-150	220.3	150	28	20	M10X1.5P	M10X1.5P	ER16	ER16A
D20-ER25U-050	106.7	50	42	20	M12X1.75P	M10X1.5P	ER25	ER25UM
D20-ER25U-100	156.7	100	42	20	M12X1.75P	M10X1.5P	ER25	ER25UM
D20-ER25U-150	206.7	150	42	20	M12X1.75P	M10X1.5P	ER25	ER25UM
D25-ER20A-150	201.2	150	34	25	M12X1.75P	M12X1.75P	ER20	ER20A

注：内锥径向跳动≤0.002mm。

Note: Radial runout of inner cone ≤0.002mm.

直柄ER延长杆(M型) | Straight ER Collet Extension (Mini Type)

直柄侧锁式ER延长杆 | STRAIGHT ER COLLET EXTENSION (SIDE LOCK TYPE)



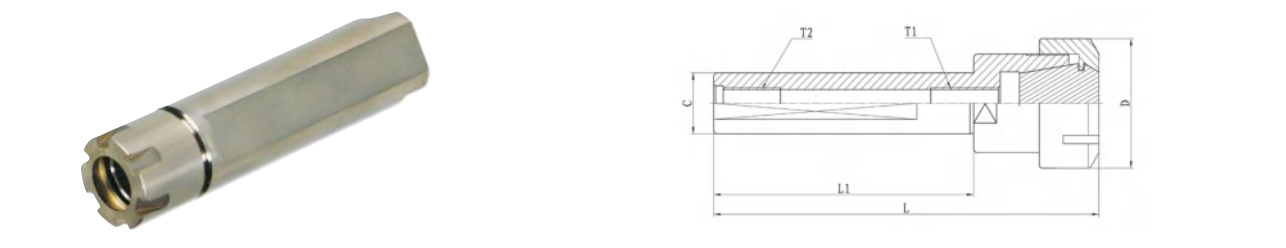
技术参数 | Technical parameters

单位 | Unit: mm

订货号 Ordering code	L	L1	C	D	T1	T2	筒夹 Collet	扳手 Key
D08-ER08M-050	79	50	8	12	M5X0.8P	M4X0.7P	ER8	ER8M
D10-ER08M-100	127.5	100	10			M5X0.8P	ER8	ER8M
D10-ER08M-150	177.5	150	12			M6X1.0P	ER8	ER8M
D12-ER08M-055	74.5	55					ER8	ER8M
D12-ER08M-100	119.5	100					ER8	ER8M
D12-ER08M-150	119.5	150					ER8	ER8M
D16-ER11M-050	84.3	50	16	16	M6X1P	M10X1.5P	ER11	ER11M
D16-ER11M-100	134.3	100		22	M10X1.5P		ER11	ER11M
D16-ER16M-080	120.3	80					ER16	ER16M
D16-ER16M-100	140.3	100					ER16	ER16M
D16-ER16M-150	190.3	150					ER16	ER16M
D20-ER16M-100	136.8	100		20	M10X1.5P		ER16	ER16M
D20-ER16M-150	186.8	150	ER16			ER16M		
D20-ER20M-100	150.2	100	28			M12X1.75P	ER20	ER20M
D20-ER20M-150	200.2	150	35			M12X1.75P	ER20	ER20M
D20-ER25M-100	156.7	100	25		M10X1.5P	M12X1.75P	ER25	ER25M
D25-ER20M-140	179.5	140					28	M10X1.5P

注：内锥径向跳动≤0.002mm。

Note: Radial runout of inner cone ≤0.002mm.



技术参数 | Technical parameters

单位 | Unit: mm

订货号 Ordering code	L	L1	T1	T2	C	D	筒夹 Collet	扳手 Key
D20-ER11M-060	76.6	60	M6X1P	M10X1.5P	20	16	ER11	ER11M
D20-ER16M-060	96.8	60	M10X1.5P	M10X1.5P	20	22	ER16	ER16M
D20-ER20M-060	110.2	60	M10X1.5P	M12X1.75P	20	28	ER20	ER20M
D22-ER16M-060	96.8	60	M10X1.5P	M10X1.5P	22	22	ER16	ER16M
D25-ER16M-060	100.3	60	M10X1.5P	M12X1.75P	25	22	ER16	ER16M
D25-ER16M-070	110.3	70	M10X1.5P	M12X1.75P	25	22	ER16	ER16M
D25-ER20M-060	99.5	60	M12X1.75P	M12X1.75P	25	28	ER20	ER20M
D25-ER25U-060	116.7	60	M12X1.75P	M12X1.75P	25	42	ER25	ER25UM
D25-ER25U-070	126.7	70	M12X1.75P	M16X2.0P	25	42	ER25	ER25UM
D32-ER16M-060	100.3	60	M10X1.5P	M16X2.0P	32	22	ER16	ER16M
D32-ER20M-070	102	70	M10X1.5P	M16X2.0P	32	28	ER20	ER20M
D32-ER25U-070	102	70	M16X2.0P	M16X2.0P	32	42	ER25	ER25UM
D32-ER32U-060	118.7	60	M16X2.0P	M16X2.0P	32	50	ER32	ER32UM
D32-ER40U-070	139.7	70	M16X2.0P	M16X2.0P	32	63	ER40	ER40UM
D40-ER32U-070	128.7	70	M16X2.0P	M16X2.0P	40	50	ER32	ER32UM
D40-ER32U-100	158.7	100	M16X2.0P	M16X2.0P	40	50	ER32	ER32UM
D40-ER40U-075	145.7	75	M16X2.0P	M16X2.0P	40	63	ER40	ER40UM

注：内锥径向跳动≤0.002mm。

Note: Radial runout of inner cone ≤0.002mm.

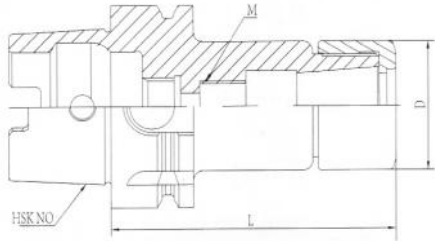
SD-高速高精筒夹刀柄

HIGH SPEED & HIGH PRECISION SD COLLET CHUCK ADAPTOR



- 适用于钻削、铰削、铣削等切削加工；
 - 接口涵盖BT、HSK；
 - 内锥径向跳动≤0.002mm；
 - 动平衡：G2.5@30000rpm。
- For drilling, reaming, milling and other machining.
 - Coupling type covers BT and HSK.
 - Radial runout of inner cone ≤0.002mm.
 - Balancing Grade: G2.5 at 30,000 rpm

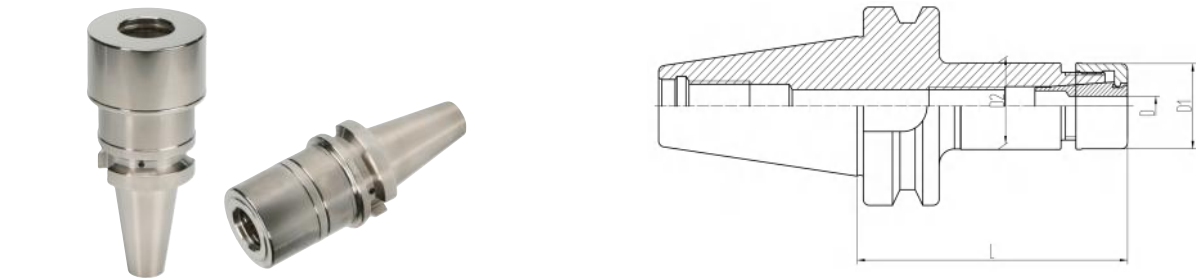
HSK63A-SD



技术参数 | Technical parameters 单位 | Unit: mm

订货号 Ordering code	夹持范围 Capacity	L	D	M	筒夹 Collet	螺帽 Nut	扳手 Key
HSK63A-SD06-080	1-6	80	19.5	M18×1	SD06	SD06	GH19
HSK63A-SD06-100	1-6	100	19.5	M18×1	SD06	SD06	GH19
HSK63A-SD10-080	1-10	80	27.1	M18×1	SD10	SD10	GH27
HSK63A-SD10-100	1-10	100	27.1	M18×1	SD10	SD10	GH27
HSK63A-SD13-090	3-13	90	33	M16X1	SD13	SD13	GH33
HSK63A-SD16-080	2-16	80	40	M18×1	SD16	SD16	GH40
HSK63A-SD16-100	2-16	100	40	M18×1	SD16	SD16	GH40
HSK63A-SD20-080	4-20	80	48	M18×1	SD20	SD20	GH48
HSK63A-SD20-100	4-20	100	48	M18×1	SD20	SD20	GH48
HSK63A-SD25-090	6-25	90	55	M18×1	SD25	SD25	GH55
HSK63A-SD25-120	6-25	120	55	M18×1	SD25	SD25	GH55

BT30/40-SD



技术参数 | Technical parameters

订货号 Ordering code	D	L	D1	筒夹 Collet	螺帽 Nut	扳手 Key
BT30-SD06-060	1~6	60	19.5	SD06	SD06	GH19
BT30-SD06-090		90				
BT30-SD06-120		120				
BT30-SD10-060	1~10	60	27.1	SD10	SD10	GH27
BT30-SD10-090		90				
BT30-SD13-060	3~13	60	33	SD13	SD13	GH33
BT30-SD13-090		90				
BT30-SD16-060	2~16	60	40	SD16	SD16	GH40
BT30-SD16-090		90				
BT30-SD20-060	4~20	60	48	SD20	SD20	GH48
BT30-SD20-090		90				
BT30-SD25-070	6~25	70	55	SD25	SD25	GH55
BT40-SD06-060	1~6	60	19.5	SD06	SD06	GH19
BT40-SD06-090		90				

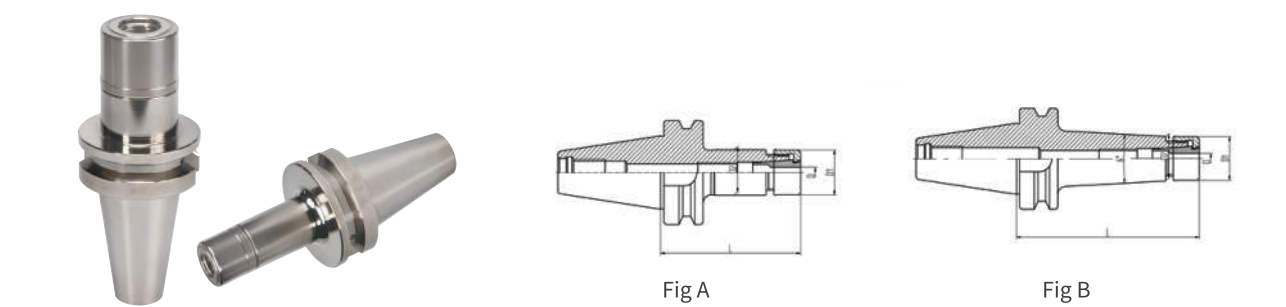
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BT30/40-SD

技术参数 | Technical parameters

订货号 Ordering code	D	L	D1	筒夹 Collet	螺帽 Nut	扳手 Key
BT40-SD10-060	1~10	60	27.1	SD10	SD10	GH27
BT40-SD10-090		90				
BT40-SD10-100		100				
BT40-SD13-060	3~13	60	33	SD13	SD13	GH33
BT40-SD13-090		90				
BT40-SD16-060	2~16	60	40	SD16	SD16	GH40
BT40-SD16-090		90				
BT40-SD16-100		100				

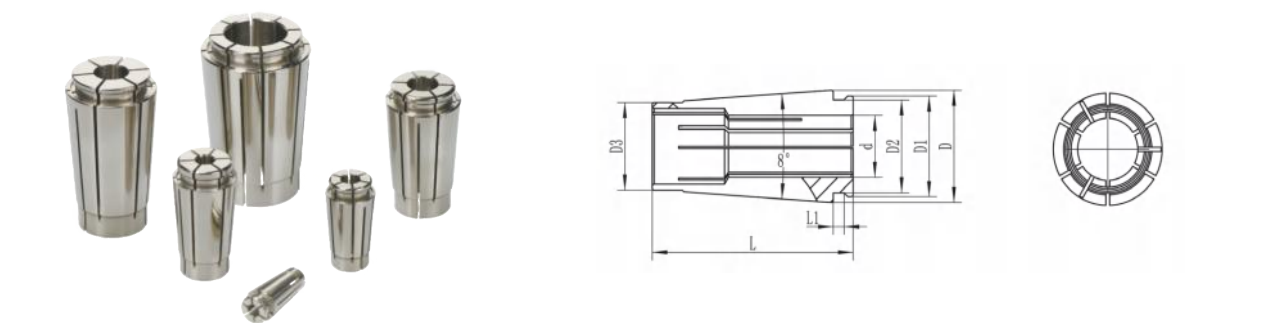
BT40/50-SD



技术参数 | Technical parameters 单位 | Unit: mm

订货号 Ordering code	D	L	D1	筒夹 Collet	螺帽 Nut	扳手 Key	Fig
BT40-SD16-120	2-16	120	40	SD16	SD16	GH40	A
BT40-SD20-060	4~20	60	48	SD20	SD20	GH48	A
BT40-SD20-090		90					A
BT40-SD20-120		120					A
BT40-SD25-090	6~25	90	55	SD25	SD25	GH55	A
BT40-SD25-120		120					A
BT50-SD06-105	1~6	105	19.5	SD06	SD06	GH19	A
BT50-SD06-135		135					B
BT50-SD06-165		165					B
BT50-SD10-105	1~10	105	27.1	SD10	SD10	GH27	A
BT50-SD10-135		135					A
BT50-SD10-165		165					B
BT50-SD13-135	3~13	135	33	SD13	SD13	GH33	A
BT50-SD13-165		120					B
BT50-SD16-105	2~16	105	40	SD16	SD16	GH40	A
BT50-SD16-135		135					A
BT50-SD16-165		165					B
BT50-SD20-135	4~20	135	48	SD20	SD20	GH48	A
BT50-SD20-165		165					A
BT50-SD25-135	6~25	135	55	SD25	SD25	GH55	A
BT50-SD25-165		165					A

SD高速筒夹 | SD HIGH SPEED COLLET



技术参数 | Technical parameters 单位 | Unit: mm

型号 Model No.	d	D	D1	D2	D3	L	L1
SD06	<3	10.25	8.6	7.6	7.5	25	2.2
	3-6	10.4	8.9				
SD10	<3	15.3	13	11.9	12	30.5	2.4
	3-10	15.46	13.4				
SD13	3-13	19.97	17.05	15.1	15.5	39	2.4
SD16	2-16	24.54	20.85	19	18.8	45	2.5
SD20	4-16	29.1	24.95	23	22.6	54	2.9
SD25	4-25	35.7	30.2	28.5	28.9	57	3

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SD高速筒夹 | SD HIGH SPEED COLLET

- 等级说明: A级≤0.015mm; AA级≤0.010mm
 - 订货号=基础订货号+等级
 - 举例: 订货号 SD-06-010-A(或AA)
- Grade Description: Grade A≤0.015mm; Grade AA≤0.010mm;
 - Ordering code = basic ordering code + grade;
 - Example: ordering code SD-06-010-A (or AA).

技术参数 | Technical parameters

单位 | Unit: mm

SD06			SD10			SD13		
基础订货号 Basic Ordering code	型号 Model No.	范围 Range	基础订货号 Basic Ordering code	型号 Model No.	范围 Range	基础订货号 Basic Ordering code	型号 Model No.	范围 Range
SD-06-010	SD06-1	1-0.75	SD-10-010	SD10-1	1-0.75	SD-13-020	SD13-2	2-1.75
SD-06-015	SD06-1.5	1.5-1.25	SD-10-015	SD10-1.5	1.5-1.25	SD-13-025	SD13-2.5	2.5-2.25
SD-06-020	SD06-2	2-1.75	SD-10-020	SD10-2	2-1.75	SD-13-030	SD13-3	3-2.75
SD-06-025	SD06-2.5	2.5-2.25	SD-10-025	SD10-2.5	2.5-2.25	SD-13-035	SD13-3.5	3.5-3
SD-06-030	SD06-3	3-2.75	SD-10-030	SD10-3	3-2.75	SD-13-040	SD13-4	4-3.5
SD-06-035	SD06-3.5	3.5-3	SD-10-032	SD10-3.175	3.175-2.7	SD-13-045	SD13-4.5	4.5-4
SD-06-040	SD06-4	4-3.5	SD-10-035	SD10-3.5	3.5-3	SD-13-050	SD13-5	5-4.5
SD-06-045	SD06-4.5	4.5-4	SD-10-040	SD10-4	4-3.5	SD-13-055	SD13-5.5	5.5-5
SD-06-050	SD06-5	5-4.5	SD-10-045	SD10-4.5	4.5-4	SD-13-060	SD13-6	6-5.5
SD-06-055	SD06-5.5	5.5-5	SD-10-050	SD10-5	5-4.5	SD-13-065	SD13-6.5	6.5-6
SD-06-060	SD06-6	6-5.5	SD-10-055	SD10-5.5	5.5-5	SD-13-070	SD13-7	7-6.5
			SD-10-060	SD10-6	6-5.5	SD-13-075	SD13-7.5	7.5-7
			SD-10-065	SD10-6.5	6.5-6	SD-13-080	SD13-8	8-7.5
			SD-10-070	SD10-7	7-6.5	SD-13-085	SD13-8.5	8.5-8
			SD-10-075	SD10-7.5	7.5-7	SD-13-090	SD13-9	9-8.5
			SD-10-080	SD10-8	8-7.5	SD-13-095	SD13-9.5	9.5-9
			SD-10-085	SD10-8.5	8.5-8	SD-13-100	SD13-10	10-9.5
			SD-10-090	SD10-9	9-8.5	SD-13-105	SD13-10.5	10.5-10
			SD-10-095	SD10-9.5	9.5-9	SD-13-110	SD13-11	11-10.5
			SD-10-100	SD10-10	10-9.5	SD-13-115	SD13-11.5	11.5-11
						SD-13-120	SD13-12	12-11.5
						SD-13-125	SD13-12.5	12.5-12
						SD-13-130	SD13-13	13-12.5

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SD高速筒夹 | SD HIGH SPEED COLLET

技术参数 | Technical parameters

单位 | Unit: mm

SD16			SD20			SD25		
基础订货号 Basic Ordering code	型号 Model No.	范围 Range	基础订货号 Basic Ordering code	型号 Model No.	范围 Range	基础订货号 Basic Ordering code	型号 Model No.	范围 Range
SD-16-020	SD16-2	2-1.75	SD-20-030	SD20-3	3-2.5	SD-25-040	SD25-4	4-3.5
SD-16-025	SD16-2.5	2.5-2.25	SD-20-035	SD20-3.5	3.5-3	SD-25-060	SD25-6	6-6.5
SD-16-030	SD16-3	3-2.75	SD-20-040	SD20-4	4-3.5	SD-25-080	SD25-8	8-7.5
SD-16-032	SD16-3.175	3.175-2.7	SD-20-045	SD20-4.5	4.5-4	SD-25-100	SD25-10	10-9.5
SD-16-035	SD16-3.5	3.5-3	SD-20-050	SD20-5	5-4.5	SD-25-120	SD25-12	12-11.5
SD-16-040	SD16-4	4-3.5	SD-20-055	SD20-5.5	5.5-5	SD-25-140	SD25-14	14-13.5
SD-16-045	SD16-4.5	4.5-4	SD-20-060	SD20-6	6-5.5	SD-25-160	SD25-16	16-15.5
SD-16-050	SD16-5	5-4.5	SD-20-065	SD20-6.5	6.5-6	SD-25-165	SD25-16.5	16.5-16
SD-16-055	SD16-5.5	5.5-5	SD-20-070	SD20-7	7-6.5	SD-25-170	SD25-17	17-16.5
SD-16-060	SD16-6	6-5.5	SD-20-075	SD20-7.5	7.5-7	SD-25-175	SD25-17.5	17.5-17
SD-16-065	SD16-6.5	6.5-6	SD-20-080	SD20-8	8-7.5	SD-25-180	SD25-18	18-17.5
SD-16-070	SD16-7	7-6.5	SD-20-085	SD20-8.5	8.5-8	SD-25-185	SD25-18.5	18.5-18
SD-16-075	SD16-7.5	7.5-7	SD-20-090	SD20-9	9-8.5	SD-25-190	SD25-19	19-18.5
SD-16-080	SD16-8	8-7.5	SD-20-095	SD20-9.5	9.5-9	SD-25-195	SD25-19.5	19.5-19
SD-16-085	SD16-8.5	8.5-8	SD-20-100	SD20-10	10-9.5	SD-25-200	SD25-20	20-19.5
SD-16-090	SD16-9	9-8.5	SD-20-105	SD20-10.5	10.5-10	SD-25-205	SD25-20.5	20.5-20
SD-16-095	SD16-9.5	9.5-9	SD-20-110	SD20-11	11-10.5	SD-25-210	SD25-21	21-20.5
SD-16-100	SD16-10	10-9.5	SD-20-115	SD20-11.5	11.5-11	SD-25-215	SD25-21.5	21.5-21
SD-16-105	SD16-10.5	10.5-10	SD-20-120	SD20-12	12-11.5	SD-25-220	SD25-22	22-21.5
SD-16-110	SD16-11	11-10.5	SD-20-125	SD20-12.5	12.5-12	SD-25-225	SD25-22.5	22.5-22
SD-16-115	SD16-11.5	11.5-11	SD-20-130	SD20-13	13-12.5	SD-25-230	SD25-23	23-22.5
SD-16-120	SD16-12	12-11.5	SD-20-135	SD20-13.5	13.5-13	SD-25-235	SD25-23.5	23.5-23
SD-16-125	SD16-12.5	12.5-12	SD-20-140	SD20-14	14-13.5	SD-25-240	SD25-24	24-23.5
SD-16-130	SD16-13	13-12.5	SD-20-145	SD20-14.5	14.5-14	SD-25-245	SD25-24.5	24.5-24
SD-16-135	SD16-13.5	13.5-13	SD-20-150	SD20-15	15-14.5	SD-25-250	SD25-25	25-24.5
SD-16-140	SD16-14	14-13.5	SD-20-155	SD20-15.5	15.5-15	SD-25-254	SD25-25.4	25.4-25
SD-16-145	SD16-14.5	14.5-14	SD-20-160	SD20-16	16-15.5			
SD-16-150	SD16-15	15-14.5	SD-20-165	SD20-16.5	16.5-16			
SD-16-155	SD16-15.5	15.5-15	SD-20-170	SD20-17	17-16.5			
SD-16-160	SD16-16	16-15.5	SD-20-175	SD20-17.5	17.5-17			
			SD-20-180	SD20-18	18-17.5			
			SD-20-185	SD20-18.5	18.5-18			
			SD-20-190	SD20-19	19-18.5			
			SD-20-195	SD20-19.5	19.5-19			
			SD-20-200	SD20-20	20-19.5			

SD螺帽 | SD NUT



技术参数 | Technical parameters

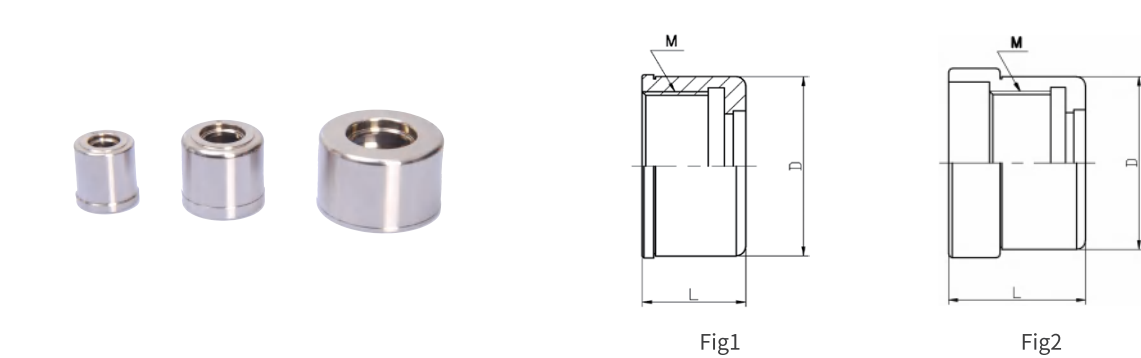
单位 | Unit: mm

订货号 Ordering code	型号 Model No.	L	D	d	M
NT-SD-06-A	SD06	15	20	18.1	M15.5X1.0P
NT-SD-10-A	SD10	17	28	25.4	M21.5X1.0P
NT-SD-13-A	SD13	21	37	32	M28X1.5P
NT-SD-16-A	SD16	24	40	35	M32X1.5P
NT-SD-20-A	SD20	27	48	43	M40X1.5P
NT-SD-25-A	SD25	30	55	50	M45X1.5P

注：螺纹等级：4H

Note: Thread grade: 4H.

GSD高速无键槽螺帽 | GSD HIGH SPEED NUT WITHOUT KEYWAY



技术参数 | Technical parameters

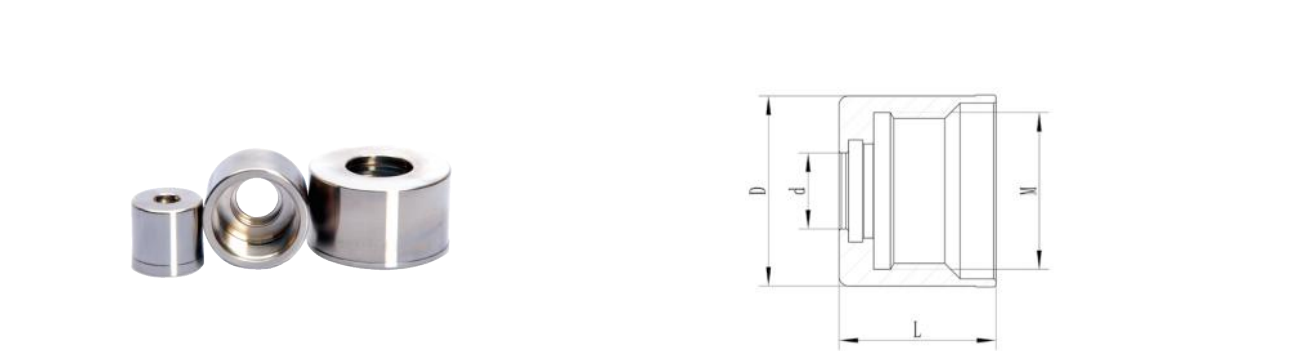
单位 | Unit: mm

订货号 Ordering code	型号 Model No.	L		D	M
		Fig1	Fig2		
NT-SD-06-G	GSD06	15	21	19.5	M15.5X1.0P
NT-SD-10-G	GSD10	17	24	27.1	M21.5X1.0P
NT-SD-13-G	GSD13	21	28	33	M28X1.0P
NT-SD-16-G	GSD16	24	31	40	M32X1.0P
NT-SD-20-G	GSD20	27	31	48	M40X1.0P
NT-SD-25-G	GSD25	30	37	55	M45X1.0P

注：螺纹等级：4H

Note: Thread grade: 4H.

PSD防尘螺帽 | PSD ANTI-DUST NUT



技术参数 | Technical parameters 单位 | Unit: mm

订货号 Ordering code	型号 Model No.	d	D	L	M
NT-SD-06-P	PSD06	2,3,4,5,6	19.5	23	M15.5X1.0P
NT-SD-10-P	PSD10	2,3,4,6,8,10	27.1	26	M21.5X1.0P
NT-SD-13-P	PSD13	3,4,5,6,8,10,12	33	30	M28X1.5P
NT-SD-16-P	PSD16	3,4,5,6,8,10,12,14,16	40	33	M32X1.5P
NT-SD-20-P	PSD20	3,4,5,6,8,10,12,14,16,18,20	48	37	M40X1.5P
NT-SD-25-P	PSD25	6,8,10,12,14,16,18,20,24,25	55	39	M45X1.5P

注：螺纹等级：4H
注明：订购GSKP螺帽时，请注明内孔尺寸（d）

Note: Thread grade: 4H.
Note: When ordering GSKP nuts, please specify the inner hole size (d).

TSK扳手 | TSK KEY

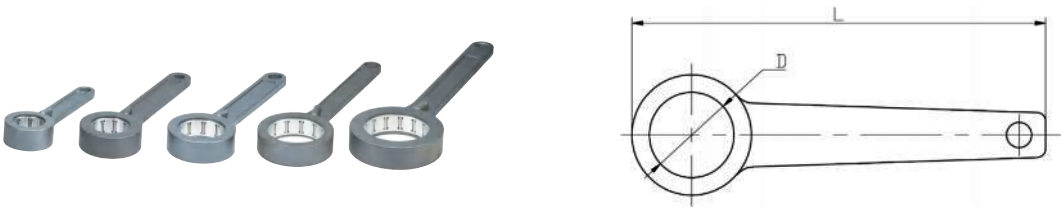


- 材质说明：IR-铸铁; ST-钢
 - 订货号=基础订货号+材质
 - 举例：订货号 SP-SD-06-A-IR（或ST）
- Material description: IR-cast iron; ST-steel;
 - Ordering code = basic ordering code + material;
 - Example: ordering code SP-SD-06-A-IR(或ST).

技术参数 | Technical parameters 单位 | Unit: mm

基础订货号 Basic Ordering code	型号 Model No.	规格 Type	L	适用螺帽 Nut	Fig
SP-SD-06-A	TSK06	18.1	90	SD06	1
SP-SD-10-A	TSK10	25.4	142	SD10	
SP-SD-13-A	TSK13	38-42	167	SD13	2
SP-SD-16-A	TSK16	38-42	167	SD16	
SP-SD-20-A	TSK20	48-52	200	SD20	
SP-SD-25-A	TSK25	55-62	214	SD25	

G/PSD滚珠扳手 | G/PSD BALL KEY



技术参数 | Technical parameters

单位 | Unit: mm

订货号 Ordering code	型号 Model No.	D	L	适用螺帽 Nut
SP-SD-06-G	GH19	19.5	120	G/PSD06
SP-SD-10-G	GH27	27.1	130	G/PSD10
SP-SD-13-G	GH33	33	140	G/PSD13
SP-SD-16-G	GH40	40	193	G/PSD16
SP-SD-20-G	GH48	48	200	G/PSD20
SP-SD-25-G	GH55	55	210	G/PSD25

- 适用于钻削、铰削、铣削等切削加工；
- 接口涵盖BT、HSK；
- 内孔径向跳动 $\leq 0.002\text{mm}$ ；
- 已做预动平衡，升级平衡需另外收费。

侧固刀柄
WELDON ADAPTOR



- For drilling, reaming, milling and other machining.
- Coupling type covers BT and HSK.
- Radial runout of inner hole $\leq 0.002\text{mm}$.
- Pre-balancing has been done, upgrading balance need be charged.

命名方式 | Naming And Coding Rules

BT	30
	40
	50
HSK-A	63
	100

01.接口规格 | COUPLING TYPE

HSK63A
01

SLN20
02

02.刀柄类型 | CHUCK TYPE

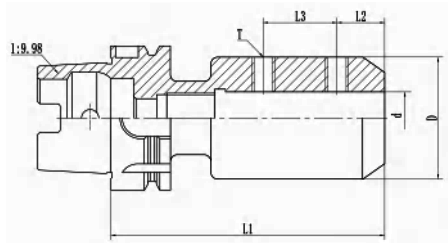
SLN 侧固式	16
	20
	25
	32
FMB 芯轴式	22
	27

45	45mm
60	60mm
100	100mm
105	105mm
110	110mm
150	150mm
200	200mm

03.有效长度 | LENGTH

100
03

HSK63/100A -SLN

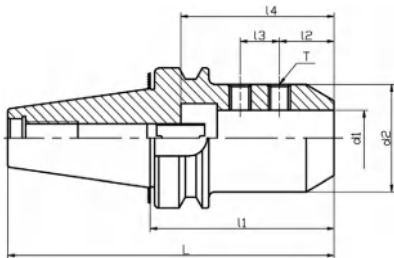


技术参数 | Technical parameters

单位 | Unit: mm

型号 Model No.	d	D	L1	L2	L3	T
HSK63A-SLN16-100	16	48	100	24	-	M14X2
HSK63A-SLN20-100	20	52	100	25	-	M16X2
HSK63A-SLN25-110	25	65	100	24	25	M18X2
HSK63A-SLN32-110	32	72	100	24	28	M20X2
HSK100A-SLN16-100	16	48	100	24	-	M14X2
HSK100A-SLN20-100	20	52	100	25	-	M16X2
HSK100A-SLN25-100	25	65	100	24	25	M18X2
HSK100A-SLN32-100	32	72	100	24	28	M20X2

BT40/50-SLN



技术参数 | Technical parameters

单位 | Unit: mm

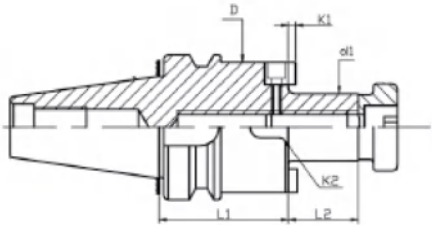
型号 Model No.	d1	L	l2	l3	l4	d2	T
BT40-SLN25-100	25	165.4	24	25	59	65	M18X2.0P
BT40-SLN32-100	32	165.4	24	28	63	72	M20X2.0P
BT50-SLN25-100	25	201.8	24	25	59	65	M18X2.0P
BT50-SLN32-105	32	206.8	24	28	63	72	M20X2.0P

平面铣刀柄
FACE MILLING ADAPTOR



- 适用于铣削加工；
 - 接口涵盖BT、HSK；
 - 芯轴径向跳动 $\leq 0.003\text{mm}$ ，芯轴圆度 $\leq 0.003\text{mm}$ ；
 - 可选内冷、外冷结构，按需询价；
 - 已做预动平衡，升级平衡需另外收费。
- For milling.
 - Coupling type covers BT and HSK.
 - Radial runout of the mandrel $\leq 0.003\text{mm}$, Circularity of the mandrel $\leq 0.003\text{mm}$.
 - Inner cooling and outer cooling structures are optional, please inquire on demand.
 - Pre-balancing has been done, upgrading balance need be charged.

BT/HSK-FMB



- 无内冷结构订货号=基础订货号
 - 内冷结构订货号=基础结构订货号+C(内冷结构)
 - 举例：内冷结构订货号 HSK63A-FMB22-060-C
- Ordering code without internal cooling structure =basic ordering code;
 - Ordering code with internal cooling structure =basic ordering code + C(internal cooling structure);
 - Example: Ordering code with Internal cooling structure: HSK63A-FMB22-060-C.

技术参数 | Technical parameters

单位 | Unit: mm

基础订货号 Basic Ordering code	L1	L2	D	d1h7	K1	K2
HSK63A-FMB22-060	60	18	50	22	4.8	10
HSK63A-FMB22-100	100	18	50	22	4.8	10
HSK63A-FMB27-060	60	20	60	27	5.8	12
HSK63A-FMB27-100	100	20	60	27	5.8	12
BT30-FMB22-045	45	18	50	22	4.8	10
BT30-FMB22-060	60	18	50	22	4.8	10
BT30-FMB27-045	45	20	60	27	5.8	12
BT30-FMB27-060	60	20	60	27	5.8	12
BT40-FMB22-045	45	18	50	22	4.8	10
BT40-FMB22-060	60	18	50	22	4.8	10
BT40-FMB22-100	100	18	48	22	4.8	10
BT40-FMB27-045	45	20	60	27	5.8	12
BT40-FMB27-060	60	20	60	27	5.8	12
BT40-FMB27-100	100	20	60	27	5.8	12
BT50-FMB22-100	100	18	50	22	4.8	10
BT50-FMB22-150	150	18	50	22	4.8	10
BT50-FMB22-200	22	18	50	22	4.8	10
BT50-FMB27-100	27	20	60	27	5.8	12
BT50-FMB27-150	27	20	60	27	5.8	12

拉钉命名方式
Pull Stud naming And Coding Rules



PS	拉钉 Pull Stud
----	----------------

01.产品名称 | PRODUCT NAME

PS
01

BT40
02

02.适配接口 | APPLICABLE

BT	30
	40
	50

45°
60°
90°

03.斜坡角度 | SLOPE ANGLE

45
03

C
04

04.冷却孔结构 | COOLING

-	无冷却孔 Without Cooling
C	带冷却孔 With Colling
MC	配MAZAK设备，带冷却孔 For MAZAK With Cooling

BT30/40/50-PS

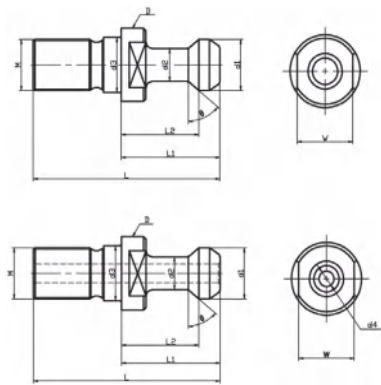


Fig1

Fig2
中心出水 COOLANT

技术参数 | Technical parameters

单位 | Unit: mm

订货号 Ordering code	型号 Model No.	Fig	L	M	D	S	d1	L1	L2	d2	d3	θ	d4
PS-BT30-45	BT30-θ	Fig1	43	12	16.5	13	11	23	18	7	12.5	45°	-
PS-BT30-60		Fig1	43	12	16.5	13	11	23	18	7	12.5	60°	-
PS-BT30-90		Fig1	43	12	16.5	13	11	23	18	7	12.5	90°	-
PS-BT30-45C		Fig2	43	12	16.5	13	11	23	18	7	12.5	45°	2.5
PS-BT30-60C		Fig2	43	12	16.5	13	11	23	18	7	12.5	60°	2.5
PS-BT30-90C		Fig2	43	12	16.5	13	11	23	18	7	12.5	90°	2.5
PS-BT40-45	BT40-θ	Fig1	60	16	23	19	15	35	28	10	17	45°	-
PS-BT40-60		Fig1	60	16	23	19	15	35	28	10	17	60°	-
PS-BT40-90		Fig1	60	16	23	19	15	35	28	10	17	90°	-
PS-BT40-45C		Fig2	60	16	23	19	15	35	28	10	17	45°	4
PS-BT40-60C		Fig2	60	16	23	19	15	35	28	10	17	60°	4
PS-BT40-90C		Fig2	60	16	23	19	15	35	28	10	17	90°	4
PS-BT40-45MC	BT40-MAZAK	Fig2	44.1	16	22	19	18.8	19.1	14.02	12.45	17	45°	7
PS-BT50-45	BT50-θ	Fig1	85	24	38	30	23	45	35	17	25	45°	-
PS-BT50-60		Fig1	85	24	38	30	23	45	35	17	25	60°	-
PS-BT50-90		Fig1	85	24	38	30	23	45	35	17	25	90°	-
PS-BT50-45C		Fig2	85	24	38	30	23	45	35	17	25	45°	6
PS-BT50-60C		Fig2	85	24	38	30	23	45	35	17	25	60°	6
PS-BT50-90C		Fig2	85	24	38	30	23	45	35	17	25	90°	6
PS-BT50-45MC	BT50-MAZAK	Fig2	65.2	24	37	30	29	25.2	17.7	20.83	25	45°	10

注：斜面径跳≤0.010mm，定位直台圆度≤0.005mm

Note: Inclined plane runout ≤ 0.010mm,
Circularity of positioning straight platform ≤0.005mm