



about 崇德精密机械有限公司 CHONGDE PRECISION MACHINERY CO.,LTD

■ 崇德精密机械有限公司专业从事数控刀具的研发、设计、生产、销售。主要生产高性能铣、车、钻等机夹式数控刀具，涵盖了粗加工、精加工以及轻切削、重载切削的各种数控刀具。产品以其高精度、高转速、高寿命、高性价比的特点，深受广大客户的青睐。

■ 公司全面引进欧美高端刀具技术，拥有先进的进口数控设备和国际一流的检测设备，严格按照国际标准生产，并为客户提供配套的解决方案和技术培训。同时，公司经过不懈探索，积极创新，研制出了独具特色的防锈涂层产品、高频脉冲产品、镜面产品，更好的满足了客户需求。

目前，产品已出口到三十多个国家和地区，形成了稳固的客户群，并在国内多个省市设立了办事处和代理机构，在韩国、泰国、土耳其、美国等多个国家设立了代理商。

孔子曰：有朋自远方来不亦乐乎。崇德公司竭诚欢迎海内外各界朋友前来曲阜观光旅游，洽谈合作，共创未来！

ChongDe Precision Machinery Co., Ltd specialized in research and development, design, production and sales. The main production of high performance milling, turning, drilling and other CNC machine, Contains the rough machining, finish machining and light cutting, heavy cutting of various CNC cutting tools, Products with high precision, high speed, high durability, high cost performance characteristics, win high praise from customers.

Company introduction European and American high-end cutting tools technology comprehensively, has imported advanced CNC equipment and first-class testing equipment, in strict accordance with international standard production, and provide customers with a full range of solutions and technical training. At the same time, the company continuously explore, positive innovation, developed a unique antirust nickel plating products, high-frequency pulse, mirror products, better meet the needs of customers.

Now, our products have exported to more than 30 countries and regions. Formed a stable customer base, and in multiple domestic provinces and cities set up offices and agencies, in South Korea, Thailand, Turkey, the United States and other countries set up agents.

Confucius once said, it is pleasant to welcome friends from afar. Qufu Chong De Precision Machinery Co., Ltd warmly welcomes all clients from all over the world to visit and cooperate with us!

崇德精密液压刀柄系统

CHONGDE Hydraulic Chuck System

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Reduction Sleeve



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产品编码指南

Item Code Numbering Instruction

BT	40	HC	20	90
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- 长度 Guage Line Length
- 内径尺寸 Inner Bore Size
- 产品系列 Name of Product
- 刀柄类型尺寸 Size of Shank (Taper)
- 刀柄类型 Type of Shank (Taper)

谁 是这方面的专家？

WHO IS EXPERTS IN THIS FIELD?

崇德精密正成为全球工具持有系统市场的主要参与者。

崇德精密是一家根据国际标准，如DIN，ISO，MAS，ANSI制造各种刀柄和特殊设计刀柄的公司。特别是崇德精密在高精度的刀具夹持系统，如液压和热缩刀柄等方面具有很强的竞争力。崇德只做高品质产品，如果制造商需求精度高、可靠性高、寿命长的产品，他们会选择崇德精密。崇德品质值得信赖！

崇德精密的每一位员工都会通过于自己的想法、诀窍和经验，去提高客户产品的质量、生产能力和并节约其成本。

为了客户的成功和满意，我们将提供高质量的产品、差异化的服务和有竞争力的价格。

CHONGDE is becoming a major player in the global tool holding system market.

CHONGDE is a company that manufactures all kinds of toolholder as well as specially designed toolholders according to international standards such as DIN, ISO, MAS, and ANSI. In particular, CHONGDE is very competitive in high-precision tool holding systems, such as hydraulic and shrink fit chucks, etc. Chongde only produces high quality products. If manufacturers want products with high accuracy, high reliability and long life, they will choose Chongde Precision. Chongde quality is trustworthy!

Every employee at CHONGDE invests in his ideas, know-how, and experience to improve customer quality, productivity and save a costs.

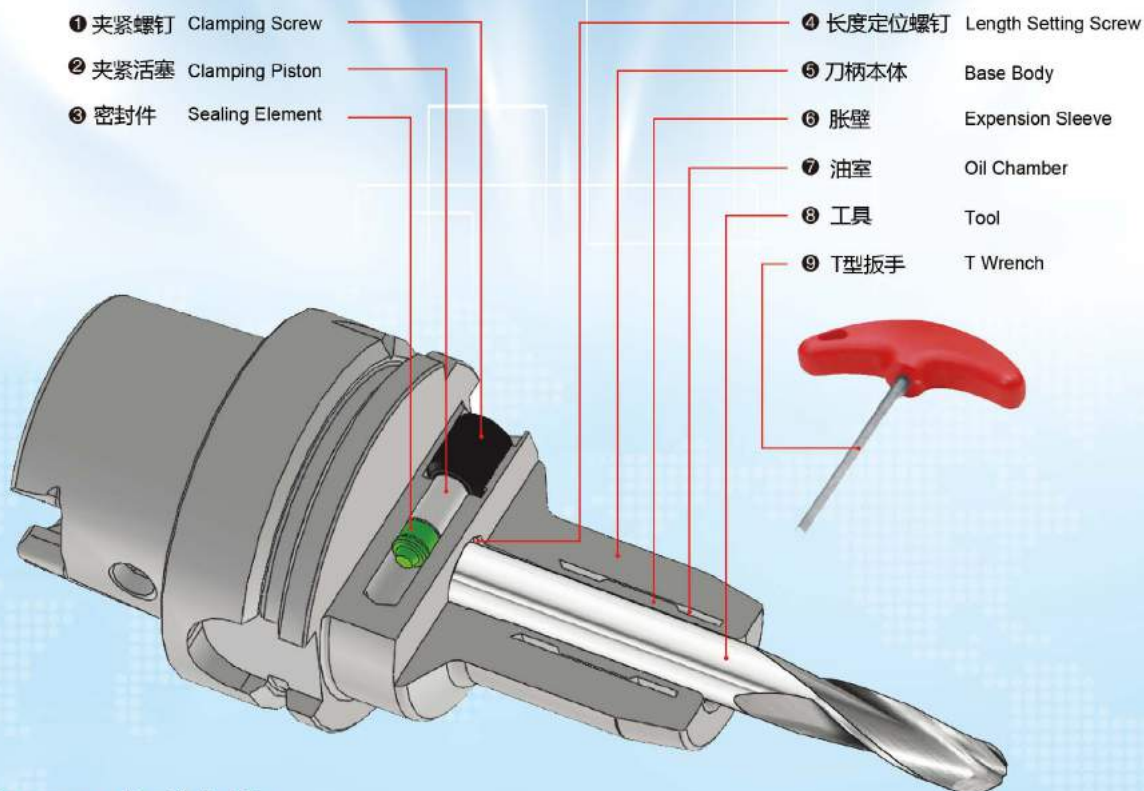
For our customers' success and deep satisfaction, we will offer high-quality products, differentiated services, and competitive pricing.





液压刀柄夹紧机构

CLAMPING MECHANISM OF HYDRAULIC CHUCK



液压刀柄结构：

为了在⑥胀壁与⑤刀柄本体之间形成⑦油室，对液压卡盘进行了钎焊。
油室充油并用③密封件密封，防止漏油。

如何夹紧液压卡盘？

用⑨T扳手将液压刀柄夹住刀具顺时针转动，具体过程如下。

用⑨T扳手顺时针转动①夹紧螺钉时，夹紧螺钉将②夹紧活塞和③密封件推进⑦油室。然后，油压将⑦油室向液压刀具的内孔方向扩展，此扩展将夹紧⑧工具。

Structure of Hydraulic chuck is

The hydraulic chuck has been brazed in order to make ⑦ Oil Chamber between ⑥ Expansion Sleeve and ⑤ Base Body. ⑦ the Oil Chamber filled with oil and sealing it by ③ Sealing Element in order to prevent an oil leakage.

How does it clamp Hydraulic chuck ?

The hydraulic chuck clamp a cutting tools to turn clockwise by ⑨ T Wrench and detail process are following.

① Clamping Screw are pushing ② Clamping Piston and ③ Sealing Element remove to ⑦ Oil Chamber when turn the

① Clamping Screw clockwise by ⑨ T Wrench.

After than, ⑦ Oil Chamber has been expended toward inner bore of the hydraulic chuck by oil pressure and this expansion are clamping a ⑧ Tools.

液压刀柄系统 Hydraulic Chuck System

减震效果 Vibration Damping Effect

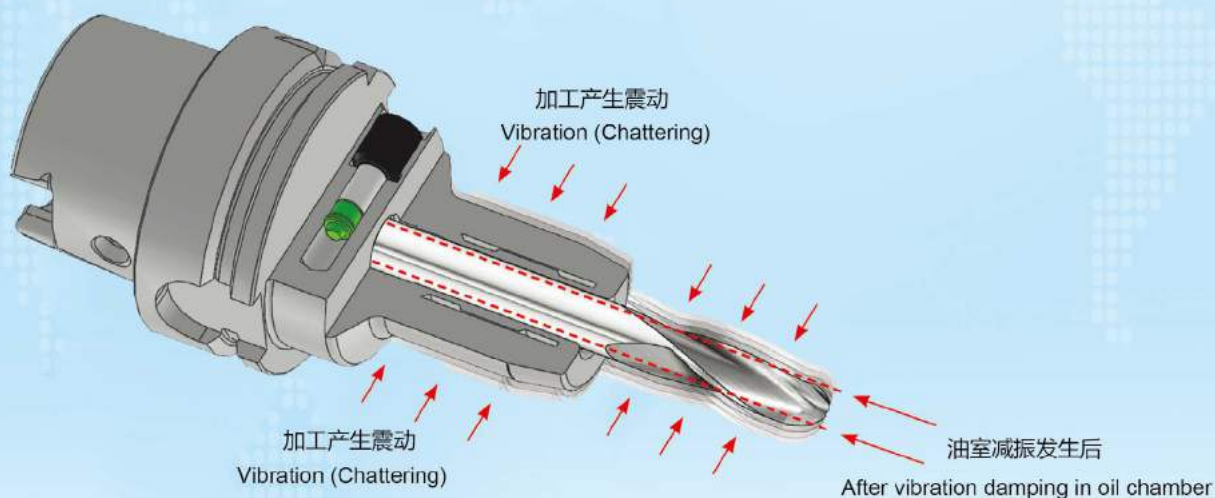
液压卡盘具有油腔，能有效地产生“减振效果”。
刀具加持系统中只有液压刀柄具有“减振效果”。
这些“减振效果”具有以下优点：

- 防止刀具刃口磨损
- 优化工件表面
- 提高主轴性能
- 提高刀具寿命，降低刀具成本

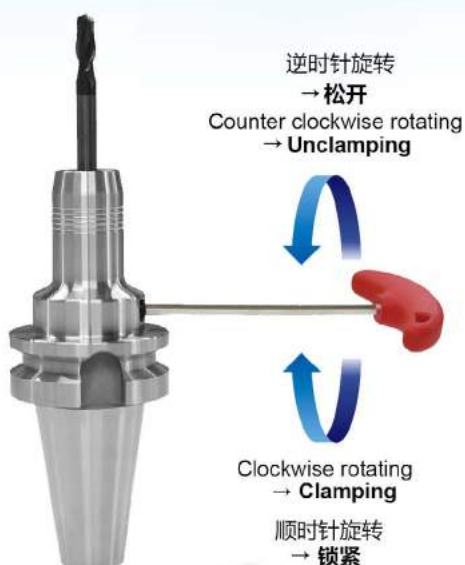
The hydraulic chuck have oil chamber and it generate a "Vibration Damping Effect" effectively. Only the hydraulic chuck in the tool holding system has a "Vibration Damping Effect".

These "Vibration Damping Effect" have the following advantages:

- Prevent abrasion on cutting edge of tools
- Achieving optimized workpiece surface
- Spindle performance enhancing
- Increase tool life and reduce tool costs



刀具更换方便 Easy tool change



液压刀柄的优点是，可以通过两个简单的步骤快速更换刀具：

步骤1：将工具插入液压卡盘。

步骤2：用T型扳手顺时针转动“夹紧螺钉”，使止动装置停止。当夹紧工具或者更换工具时不再需要其他工具，这样显著地减少了机器停机时间和安装时间，并提高了生产效率。

One of the great advantages of a hydraulic chuck is that the tool can be quickly changed with two simple steps:

Step 1: Insert the tool into the hydraulic chuck.

Step 2: Turn the "clamping screw" clockwise using a T-type wrench to dead stop. No jig fixing is required for the tool holder when tightening or replacing the tool. This significantly reduces machine downtime and setup times and improves productivity.

液压刀柄系统 Hydraulic Chuck System

径跳精度 Run-out accuracy



T.I.R accuracy = below
0.003mm(3 μ) at 3 x D

T.I.R $\leq$ 0.003mm(3 μ)
3 x D

崇德精密的液压刀柄保证在均匀加工状态下重复跳动精度低于0.003mm (3 μ)。由于这种高T.I.R精度，建议使用液压刀柄进行高精度加工。这种高跳动精度提高了刀具寿命，降低了重新研磨刀具或购买新刀具的成本，同时提供了极好的表面光洁度。

CHONGDE's hydraulic chucks guarantee that repeat run-out accuracy below 0.003mm(3 μ) on even cutting action. Due to this high T.I.R accuracy, it is recommended to use a hydraulic chuck for high precision machining. This high run-out accuracy increases tool life and reduces the cost of regrinding of tools or purchasing new tools while providing a excellent surface finish.

精密平衡G2.5/25000rpm，用于高速加工 Fine-balanced G2.5 / 25,000rpm for high speed machining



基本上，崇德精密的液压刀柄已经按照标准要求做了精密的动平衡，如下所示。

► BT30/BT40/SK40/HSK40/HSK50/HSK63

G2.5 / 25,000rpm

► BT50/SK50/HSK100

G2.5 / 25,000rpm

这种精密动平衡通过在高速加工过程中以最小化主轴受力来提高机床主轴性能，降低振动和改善表面粗糙度，因此建议在高速加工中使用液压刀柄。

Basically, CHONGDE's hydraulic chucks has been fine-balanced as a standard requirement as below.

► BT30/BT40/SK40/HSK40/HSK50/HSK63

G2.5 / 25,000rpm

► BT50/SK50/HSK100

G2.5 / 25,000rpm

This fine balancing improves machine spindle performance, reduces vibration and improves surface roughness by minimizing spindle stress during high speed machining, so it is recommended to use hydraulic chucks for high speed machining.

液压刀柄系统 Hydraulic Chuck System

液压筒夹 Reduction Sleeve

崇德精密的液压刀柄，在配合使用液压筒夹后，可以夹持从3mm到25mm不同直径的刀具。

例如：

- 内孔尺寸为12mm的液压刀柄，可使用液压筒夹夹持直径为3mm~10mm的刀具。
- 内孔尺寸为20mm的液压刀柄，可使用液压筒夹夹持直径为3mm~18mm的刀具。
- 内孔尺寸为32mm的液压刀柄，可使用液压筒夹夹持直径为3mm~25mm的刀具。

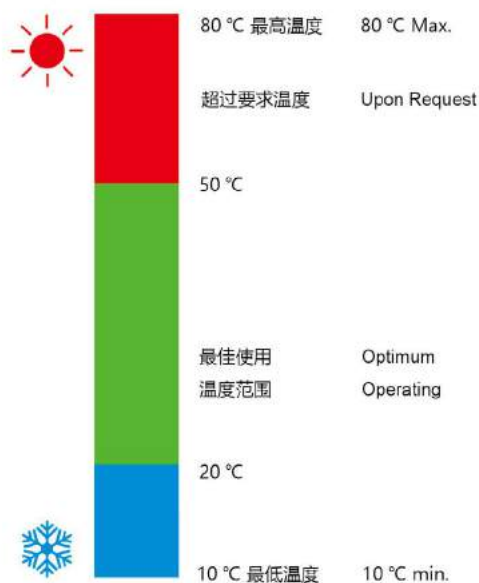
The CHONGDE's reduction sleeve allows you to clamp different tool diameters from 3mm to 25mm using the same hydraulic chuck even if you need to applicate coolant-proof.

For example:

- Inner bore size 12mm of hydraulic chuck enables you to clamp tool diameters from 3mm~10mm with reduction sleeve.
- Inner bore size 20mm of hydraulic chuck enables you to clamp tool diameters from 3mm~18mm with reduction sleeve.
- Inner bore size 32mm of hydraulic chuck enables you to clamp tool diameters from 3mm~25mm with reduction sleeve.



最佳使用温度 Optimum Temperature



目录中的所有技术数据适用于20°C~25°C的正常温度范围。
最佳工作温度范围为20 ~ 50°C。

All technical data in the catalog applies to a normal temperature range from 20°C~25°C.
The optimum operating temperature range lies between 20°C and 50°C.

液压刀柄系统 Hydraulic Chuck System

真空钎焊系统和真空充填系统

Vacuum Brazing System and Vacuum Filling System

对于一般的钎焊和填充系统，油室和钎焊区域会留有极细的空气和气体。
 随着时间的推移，夹紧和松开过程中的微小空气和气体释放在油室中创造了一个新的空间。
 新的空间充满了油室中的常规油，减少了油与油室空间的比例。这会导致扭矩随时间减小。
 但是，真空钎焊系统和真空充油系统会将钎焊过程中产生的空气和气体100%排出，并将油全部注入油室。
 这些系统允许崇德的液压刀柄长时间保持稳定的扭矩输出，不泄漏液压。

For normal brazing and general filling systems, the oil chamber and the brazing area are left with extremely fine air and gas.

Microscopic air and gas release during clamping and unclamping over time creates a new empty space in the oil chamber.

The new space is filled with conventional oil in the oil chamber and the oil ratio to the oil chamber space is reduced.

This causes the torque to decrease over time.

However, the vacuum brazing system and the vacuum oil filling system remove 100% of the air and gas generated during the brazing process and filling of the oil into the oil chamber.

These systems allow the CHONGDE's hydraulic chuck to maintain a stable torque output for a long time and do not leak the hydraulic pressure.

扭矩 Torque Power

液压刀柄内径	刀具插入刀柄内径的最小深度	扭矩 (Nm)
ID of Hydraulic chuck	Min. insert depth of cutting tool into chuck ID. (mm)	Torque Power (Nm)
Φ 6	40	20
Φ 8	40	30
Φ 10	41	50
Φ 12	46	100
Φ 14	46	120
Φ 16	49	200
Φ 18	49	250
Φ 20	51	350
Φ 20 ((Eco line))	51	550
Φ 25	57	450
Φ 32	62	650

液压刀柄系统 Hydraulic Chuck System

综合质量 Quality Overall

详情	经济型	标准型	超细长产品	磨床产品	延长杆
Details	Eco Line	Standard Line	Super Slim Line	Grinding Line	Extension Line
夹紧工具 Clamping by	T型扳手或不需要 T wrench and no need				
扭矩 Torque Power	超过550 Nm Over 550 Nm	根据内孔直径20Nm~650 Nm不等 20 Nm~650 Nm depend on inner bore.			
粗铣 Rough Milling	●	◎	△	△	△
减振效果 Damping Effect	●	●	●	●	●
精铣 Finish Milling	●	●	●	●	●
钻孔 Drilling	●	●	●	●	●
铰孔 Reaming	●	●	●	●	●
螺纹铣削 Thread Milling	●	◎	△	△	△
高速切削 High Speed Cutting	●	●	●	●	●
倒角 Chamfering	●	●	●	△	●
镗削 Boring	●	◎	△	△	△
防止加工件和工具之间的干扰 Prevent interference between tool and workpiece	△	◎	●	△	●
径跳和重复精度 Run-Out and repeat accuracy	3 x D长度≤0.003mm Below 0.003mm at 3 x D				
动平衡等级 Balancing Grade	平衡等级Balancing: G2.5 / 25,000rpm				
液压筒夹夹持范围灵活性 Flexibility of clamping range by reduction sleeve	●	●	●	●	●
扁尾工具 Using Flat Shank Tool	都可用于液压筒夹 Available with reduction sleeve				

- 非常适合 ◎ 适合 △ 不推荐
 ● Extremely suitable ◎ Suitable △ Not recommend



经济型液压刀柄

ECONOMICAL HYDRAULIC TOOL HOLDER

强劲的扭矩力高达550Nm，用于粗铣、镗孔、钻孔、铰孔、倒角螺纹铣削，包括精铣。液压刀柄通常用于精铣加工，但由于液压刀柄具有粗铣加工的优点，很多客户希望使用液压刀柄。

崇德精密的经济型系列可使用液压刀柄进行粗铣和精铣，具有强劲的扭矩力和经济的价格。如果您使用崇德的经济型液压刀柄，您不再需要使用ER筒夹加持系统，铣削刀柄，热缩刀柄和立铣刀柄等产品。这是因为崇德的经济型液压刀柄提供了比这些产品更好的解决方案。

Strong torque power up to 550Nm for rough milling, boring, drilling, reaming, boring, chamfering, thread-milling including finish milling. Normally, the hydraulic chuck is for finish milling, but there is so many customer want to use hydraulic chuck with advantage of the hydraulic chucks for rough milling.

CHONGDE's ECO Line allows the use of hydraulic chucks for rough and finish milling with strong torque power and economical price. If you use the CHONGDE's hydraulic chuck ECO Line, you no longer need to use products such as ER system, milling chuck, shrinking fit chuck, and end-mill holder. This is because CHONGDE's ECO Line offers a better solution than these products.

强劲稳定的扭矩功率高达700Nm

- 经济型价格
- 用于粗磨和精磨、镗孔、钻孔、铰孔、螺纹铣削、倒角
- 精细平衡G2.5/25000rpm
- 3xD处重复跳动精度为0.003mm
- 减振效果
- 轴向长度调整至10mm
- T型扳手用于更换刀具
- 液压筒夹夹持范围更广

Strong and Stable torque power up to 700Nm

- Economical price
- For rough milling and finish milling, boring, drilling, reaming, thread-milling, chamfering
- Fine-balanced G2.5 / 25,000rpm
- Repeat run-out accuracy is 0.003mm at 3xD
- Vibration Damping Effect
- Axial length adjustment up to 10mm
- T-Wrench is enough for tool change
- Flexible clamping range with reduction sleeve

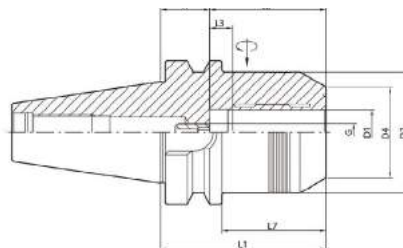


液压刀柄系统 Hydraulic Chuck System

BT30 / BT40-HCE液压刀柄 BT30 / BT40-HCE Hydraulic Chuck

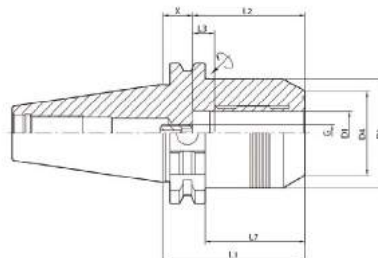
- 跳动精度: $3xD \text{ 长度} \leq 0.003\text{mm}$
- 平衡等级: G2.5/25000rpm
- 轴向长度调整至10mm
- 免费提供T型扳手
- 对于ATC (自动换刀)
- 锥度公差: 符合 $\leq AT3$
- 装夹液压筒夹范围更广
- 刀具柄径公差为h6
- AD (中心通孔) 冷却系统

- Run-out accuracy : below 0.003mm at 3xD
- Balancing grade : G2.5 / 25,000rpm
- Axial length adjustment up to 10mm
- T-wrench is provided free of charge
- For ATC (automatic tool change)
- Taper tolerance : $\leq AT3$
- Flexible clamping range with reduction sleeve
- Tool shank tolerance should be h6
- AD (center through) coolant system



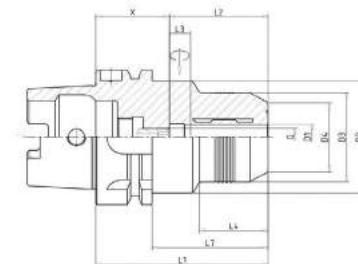
型号 ITEM CODE	D1 [mm]	D2 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L7 [mm]	G	重量 Weight [kg]
BT30-HC12E-60	12	44.5	32	14	60	46	10	38	M8*1	0.7
BT30-HC20E-85	20	45	39	34	85	51	10	63	M8*1	0.9
BT40-HC12E-60	12	44.5	32	14	60	46	10	33	M8*1	1.2
BT40-HC20E-72.5	20	53	40	21.5	72.5	51	10	46.5	M8*1	1.4

SK40-HCE液压刀柄 SK40-HCE Hydraulic Chuck



型号 ITEM CODE	D1 [mm]	D2 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L7 [mm]	G	重量 Weight [kg]
SK40-HC12E-50	12	44.5	32	4	50	46	10	30.9	M8*1	1.1
SK40-HC20E-64.5	20	49.25	38	13.5	64.5	51	10	45.4	M8*1	1.3

HSK63A-HCE液压刀柄 HSK63A-HCE Hydraulic Chuck



型号 ITEM CODE	D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
HSK63A-HC12E-80	12	52.5	42	32	34	80	46	10	34	54	M8*1	1.4
HSK63A-HC20E-80	20	52.5	-	38	29	80	51	10	-	54	M8*1	1.4

标准型液压刀柄

STANDARD HYDRAULIC TOOL HOLDER

崇德精密的标准型液压刀柄将在精铣、镗孔、钻孔、铰孔、螺纹铣削、倒角、攻丝或高速/高精度加工等任何加工应用中为您提供最佳效果。

The CHONGDE's hydraulic chuck Standard Line will give you the best results in any application of machining such as finish milling, boring, drilling, reaming, thread-milling, chamfering, tapping or high-speed/high-precision machining.

- 根据内孔尺寸，稳定扭矩可达20Nm~650Nm
- 3XD处重复跳动精度为0.003mm
- 精密动平衡G2.5/25000rpm
- 减振效果
- 轴向长度调整至10mm
- T型扳手用于更换刀具
- 液压筒夹夹持范围更广
- 各种类型的柄(锥度)
- 用于精铣、镗孔、钻孔、铰孔、螺纹铣削、倒角
- Stable torque power up to 20Nm ~ 650Nm depend on inner bore size
- Repeat run-out accuracy is 0.003mm at 3xD
- Fine-balanced G2.5 / 25,000rpm
- Vibration Damping Effect
- Axial length adjustment up to 10mm
- T-Wrench is enough for tool change
- Flexible clamping range with reduction sleeve
- Various type of shank (taper)
- For finish milling, boring, drilling, reaming, thread-milling, chamfering

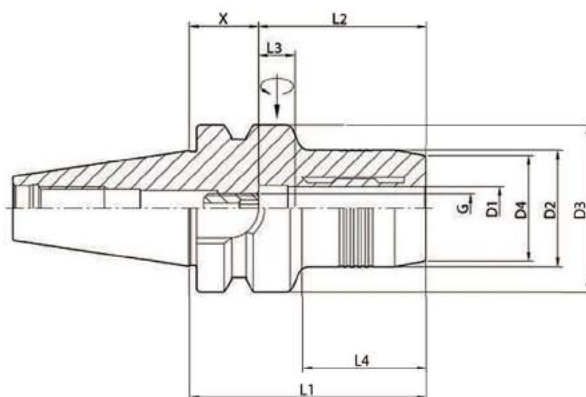


液压刀柄系统 Hydraulic Chuck System

BT30-HC 液压刀柄 BT30-HC Hydraulic Chuck

- 跳动精度：3xD长度≤0.003mm
- 平衡等级：G2.5/25000rpm
- 轴向长度调整至10mm
- 免费提供T型扳手
- 对于ATC（自动换刀）
- 锥度公差：符合≤AT3
- 装夹液压筒夹范围更广
- 刀具柄径公差为h6
- AD（中心通孔）冷却系统

- Run-out accuracy : below 0.003mm at 3xD
- Balancing grade : G2.5 / 25,000rpm
- Axial length adjustment up to 10mm
- T-wrench is provided free of charge
- For ATC (automatic tool change)
- Taper tolerance : ≤AT3
- Flexible clamping range with reduction sleeve
- Tool shank tolerance should be h6
- AD (center through) coolant system



型号 ITEM CODE	D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	重量 Weight [kg]
BT30-HC6-65	6	20	46	22	25	65	40	10	33	M5	0.7
BT30-HC8-65	8	28	46	24	25	65	40	10	33	M6*1	0.7
BT30-HC10-65	10	30	46	26	24	65	41	10	34	M8*1	0.7
BT30-HC12-65	12	32	46	28	19	65	46	10	34	M8*1	0.7
BT30-HC14-65	14	34	46	30	19	65	49	10	34	M8*1	0.7
BT30-HC16-90	16	38	46	34	41	90	49	10	50	M8*1	0.9
BT30-HC18-90	18	40	46	36	41	90	49	10	50	M8*1	0.9
BT30-HC20-90	20	42	46	38	39	90	51	10	50	M10*1	0.9

REMARK

- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供CAT/BBT/NT
- 根据要求提供英寸尺寸

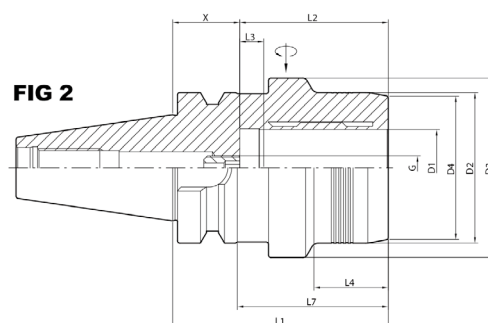
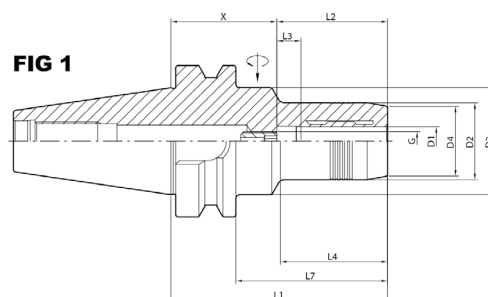
- Special design available on request
- Long or short length and small or unique bore available on request
- CAT / BBT / NT available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

BT40-HC 液压刀柄 BT40-HC Hydraulic Chuck

- 跳动精度：3xD长度≤0.003mm
- 平衡等级：G2.5/25000rpm
- 轴向长度调整至10mm
- 免费提供T型扳手
- 对于ATC（自动换刀）
- 锥度公差：符合≤AT3
- 装夹液压筒夹范围更广
- 刀具柄径公差为h6
- AD（中心通孔）冷却系统

- Run-out accuracy : below 0.003mm at 3xD
- Balancing grade : G2.5 / 25,000rpm
- Axial length adjustment up to 10mm
- T-wrench is provided free of charge
- For ATC (automatic tool change)
- Taper tolerance : ≤AT3
- Flexible clamping range with reduction sleeve
- Tool shank tolerance should be h6
- AD (center through) coolant system



型号 ITEM CODE	D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	重量 Weight [kg]	FIG
BT40-HC6-90	6	26	44.5	22	50	90	40	10	43	M5	1.4	FIG1
BT40-HC8-90	8	28	44.5	24	50	90	40	10	44.5	M6	1.4	FIG1
BT40-HC10-90	10	30	44.5	26	49	90	41	10	44.5	M8*1	1.4	FIG1
BT40-HC12-90	12	32	44.5	28	44	90	46	10	44.5	M8*1	1.4	FIG1
BT40-HC14-90	14	34	44.5	30	44	90	46	10	44.5	M8*1	1.4	FIG1
BT40-HC16-90	16	38	44.5	34	41	90	49	10	47.5	M8*1	1.5	FIG1
BT40-HC18-90	18	40	50	36	41	90	49	10	47.5	M8*1	1.5	FIG1
BT40-HC20-90	20	42	50	38	39	90	51	10	47.5	M10*1	1.6	FIG1
BT40-HC25-90	25	57	68	53	33	90	57	10	31	M10*1	1.8	FIG2
BT40-HC32-90	32	63	75	60	28	90	62	10	31	M10*1	1.9	FIG2

REMARK

- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供CAT/BBT/NT
- 根据要求提供英寸尺寸

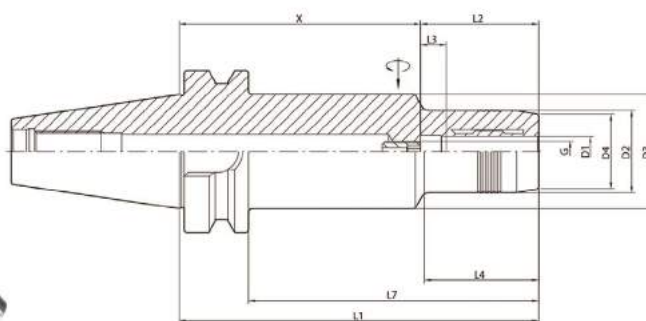
- Special design available on request
- Long or short length and small or unique bore available on request
- CAT / BBT / NT available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

BT40-HC 液压刀柄 BT40-HC Hydraulic Chuck

- 跳动精度：3xD长度≤0.003mm
- 平衡等级：G2.5/25000rpm
- 轴向长度调整至10mm
- 免费提供T型扳手
- 对于ATC（自动换刀）
- 锥度公差：符合≤AT3
- 装夹液压筒夹范围更广
- 刀具柄径公差为h6
- AD（中心通孔）冷却系统

- Run-out accuracy : below 0.003mm at 3xD
- Balancing grade : G2.5 / 25,000rpm
- Axial length adjustment up to 10mm
- T-wrench is provided free of charge
- For ATC (automatic tool change)
- Taper tolerance : ≤AT3
- Flexible clamping range with reduction sleeve
- Tool shank tolerance should be h6
- AD (center through) coolant system



型号 ITEM CODE	D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
BT40-HC6-140	6	26	44.5	22	100	140	40	10	43	113	M5	1.8
BT40-HC8-140	8	28	44.5	24	100	140	40	10	44.5	113	M6	1.8
BT40-HC10-140	10	30	44.5	26	99	140	41	10	44.5	113	M8*1	1.8
BT40-HC12-140	12	32	44.5	28	94	140	46	10	44.5	113	M8*1	1.8
BT40-HC14-140	14	34	44.5	30	94	140	46	10	44.5	113	M8*1	1.8
BT40-HC16-140	16	38	44.5	34	91	140	49	10	47.5	113	M8*1	1.9
BT40-HC18-140	18	40	50	36	91	140	49	10	47.5	113	M8*1	1.9
BT40-HC20-140	20	42	50	38	89	140	51	10	47.5	113	M10*1	2.0
BT40-HC25-140	25	57	68	53	83	140	57	10	50	113	M10*1	2.2
BT40-HC32-140	32	63	75	60	78	140	62	10	—	113	M10*1	2.3

REMARK

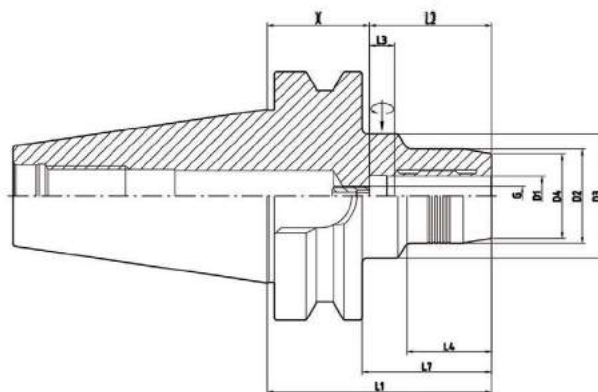
- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供CAT/BBT/NT
- 根据要求提供英寸尺寸
- Special design available on request
- Long or short length and small or unique bore available on request
- CAT / BBT / NT available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

BT50-HC 液压刀柄 BT50-HC Hydraulic Chuck

- 跳动精度：3xD长度 ≤ 0.003 mm
- 平衡等级：G2.5/25000rpm
- 轴向长度调整至10mm
- 免费提供T型扳手
- 对于ATC（自动换刀）
- 锥度公差：符合 $\leq AT3$
- 装夹液压筒夹范围更广
- 刀具柄径公差为h6
- AD（中心通孔）冷却系统

- Run-out accuracy : below 0.003mm at 3xD
- Balancing grade : G2.5 / 25,000rpm
- Axial length adjustment up to 10mm
- T-wrench is provided free of charge
- For ATC (automatic tool change)
- Taper tolerance : $\leq AT3$
- Flexible clamping range with reduction sleeve
- Tool shank tolerance should be h6
- AD (center through) coolant system



型号 ITEM CODE	D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
BT50-HC6-90	6	26	44.5	22	50	90	40	10	34	52	M5	3.9
BT50-HC8-90	8	28	44.5	24	50	90	40	10	34	52	M6	3.9
BT50-HC10-90	10	30	44.5	26	49	90	41	10	34	52	M8*1	4.0
BT50-HC12-90	12	32	44.5	28	44	90	46	10	34	52	M8*1	4.0
BT50-HC14-90	14	34	50	30	44	90	46	10	34	52	M8*1	4.1
BT50-HC16-90	16	38	50	34	41	90	49	10	34	52	M8*1	4.1
BT50-HC18-90	18	40	53	36	41	90	51	10	34	52	M8*1	4.1
BT50-HC20-140	20	42	50	38	89	140	51	10	47.5	102	M10*1	4.8
BT50-HC25-90	25	57	68	53	89	90	57	10	34	52	M10*1	4.1
BT50-HC32-90	32	63	75	60	33	90	62	10	34	52	M10*1	4.1

REMARK

- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供CAT/BBT/NT
- 根据要求提供英寸尺寸

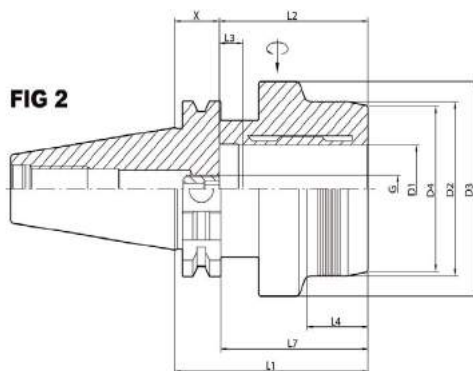
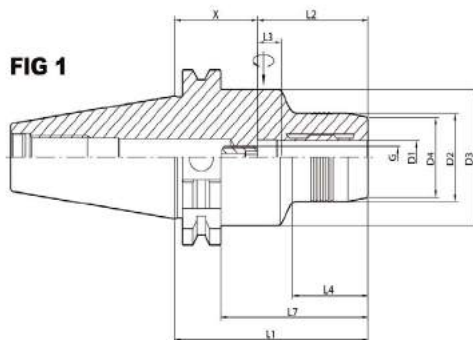
- Special design available on request
- Long or short length and small or unique bore available on request
- CAT / BBT / NT available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

SK40-HC 液压刀柄 SK40-HC Hydraulic Chuck

- 跳动精度：3xD长度 $\leq 0.003\text{mm}$
- 平衡等级：G2.5/25000rpm
- 轴向长度调整至10mm
- 免费提供T型扳手
- 对于ATC（自动换刀）
- 锥度公差：符合 $\leq \text{AT}3$
- 装夹液压筒夹范围更广
- 刀具柄径公差为h6
- AD（中心通孔）冷却系统

- Run-out accuracy : below 0.003mm at 3xD
- Balancing grade : G2.5 / 25,000rpm
- Axial length adjustment up to 10mm
- T-wrench is provided free of charge
- For ATC (automatic tool change)
- Taper tolerance : $\leq \text{AT}3$
- Flexible clamping range with reduction sleeve
- Tool shank tolerance should be h6
- AD (center through) coolant system



型号 ITEM CODE	D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]	FIG
SK40-HC6-80.5	6	26	49.5	22	40.5	80.5	40	10	29.5	61.4	M5	1.4	FIG1
SK40-HC8-80.5	8	28	49.5	24	40.5	80.5	40	10	30	61.4	M6	1.4	FIG1
SK40-HC10-80.5	10	30	49.5	26	39.5	80.5	41	10	31	61.4	M8*1	1.4	FIG1
SK40-HC12-80.5	12	32	49.5	28	34.5	80.5	46	10	31.5	61.4	M8*1	1.4	FIG1
SK40-HC16-80.5	16	38	49.5	34	31.5	80.5	49	10	33	61.4	M8*1	1.4	FIG1
SK40-HC20-80.5	20	42	49.5	38	29.5	80.5	51	10	34	61.4	M10*1	1.4	FIG1
SK40-HC25-80.5	25	55	66	53	23.5	80.5	57	10	22	61.4	M10*1	1.8	FIG2
SK40-HC32-80.5	32	63	78	60	18.5	80.5	62	10	25.5	61.4	M10*1	2.0	FIG2

REMARK

- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供CAT/BBT/NT
- 根据要求提供英寸尺寸

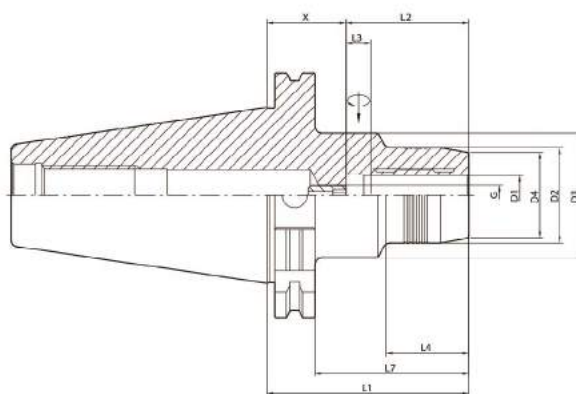
- Special design available on request
- Long or short length and small or unique bore available on request
- CAT / BBT / NT available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

SK50-HC 液压刀柄 SK50-HC Hydraulic Chuck

- 跳动精度：3xD长度≤0.003mm
- 平衡等级：G2.5/25000rpm
- 轴向长度调整至10mm
- 免费提供T型扳手
- 对于ATC（自动换刀）
- 锥度公差：符合≤AT3
- 装夹液压筒夹范围更广
- 刀具柄径公差为h6
- AD（中心通孔）冷却系统

- Run-out accuracy : below 0.003mm at 3xD
- Balancing grade : G2.5 / 25,000rpm
- Axial length adjustment up to 10mm
- T-wrench is provided free of charge
- For ATC (automatic tool change)
- Taper tolerance : ≤AT3
- Flexible clamping range with reduction sleeve
- Tool shank tolerance should be h6
- AD (center through) coolant system



型号 ITEM CODE	D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
SK50-HC6-80.5	6	26	49.5	22	40.5	80.5	40	10	29.5	61.4	M5	3.2
SK50-HC8-80.5	8	28	49.5	24	40.5	80.5	40	10	30	61.4	M6	3.2
SK50-HC10-80.5	10	30	49.5	26	39.5	80.5	41	10	31	61.4	M8*1	3.2
SK50-HC12-80.5	12	32	49.5	28	34.5	80.5	46	10	31.5	61.4	M8*1	3.2
SK50-HC16-80.5	16	38	49.5	34	31.5	80.5	49	10	33	61.4	M8*1	3.3
SK50-HC20-80.5	20	42	49.5	38	29.5	80.5	51	10	34	61.4	M10*1	3.3
SK50-HC25-80.5	25	55	66	53	23.5	80.5	57	10	35	61.4	M10*1	3.4
SK50-HC32-80.5	32	63	75	60	18.5	80.5	62	10	35	61.4	M10*1	3.5

REMARK

- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供CAT/BBT/NT
- 根据要求提供英寸尺寸

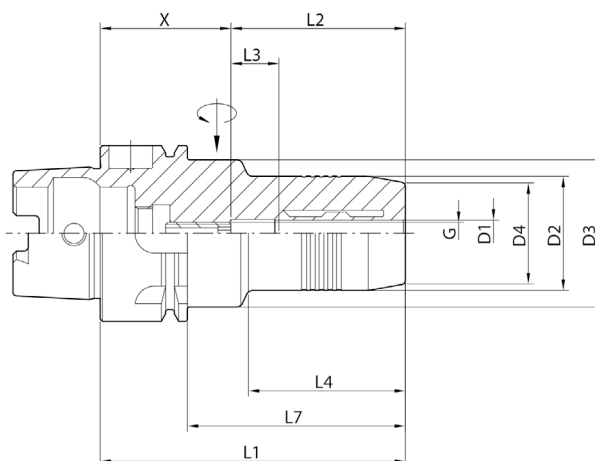
- Special design available on request
- Long or short length and small or unique bore available on request
- CAT / BBT / NT available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

HSK40A/50A-HC 液压刀柄 HSK40A/50A-HC Hydraulic Chuck

- 跳动精度：3xD长度≤0.003mm
- 平衡等级：G2.5/25000rpm
- 轴向长度调整至10mm
- 免费提供T型扳手
- 对于ATC（自动换刀）
- 锥度公差：符合≤AT3
- 装夹液压筒夹范围更广
- 刀具柄径公差为h6
- AD（中心通孔）冷却系统

- Run-out accuracy : below 0.003mm at 3xD
- Balancing grade : G2.5 / 25,000rpm
- Axial length adjustment up to 10mm
- T-wrench is provided free of charge
- For ATC (automatic tool change)
- Taper tolerance : ≤AT3
- Flexible clamping range with reduction sleeve
- Tool shank tolerance should be h6
- AD (center through) coolant system



型号 ITEM CODE		D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
HSK40	HK40A-HC6-70	6	26	33.5	22	30	70	37	10	36	50	M5	0.4
	HK40A-HC8-70	8	28	33.5	24	33	70	37	10	36	50	M6	0.5
	HK40A-HC10-75	10	30	33.5	26	34	75	41	10	42	55	M6	0.5
	HK40A-HC12-80	12	32	33.5	28	34	80	46	10	48	60	M6	0.5
HSK50	HK40A-HC6-70	6	26	40	22	30	70	40	10	28	44	M5	0.7
	HK40A-HC8-70	8	28	40	24	30	70	40	10	28	44	M6	0.7
	HK40A-HC10-75	10	30	40	26	34	75	41	10	34	49	M8*1	0.7
	HK40A-HC12-85	12	32	40	28	39	85	46	10	44	59	M8*1	0.8
	HK40A-HC16-90	16	38	40	34	41	90	49	10	48	64	M8*1	0.9
	HK40A-HC20-90	20	42	42	38	39	90	51	10	64	64	M8*1	0.9

REMARK

- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供C、E、F类
- 根据要求提供英寸尺寸
- 根据要求提供冷却液管和扳手
- Special design available on request
- Long or short length and small or unique bore available on request
- Type C, E, F available on request
- Inch dimensions available on request
- Coolant pipe and wrench for pipe available on request

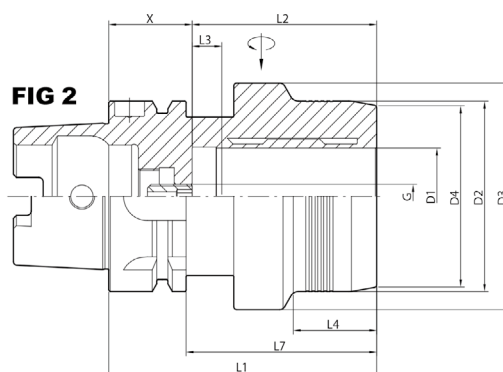
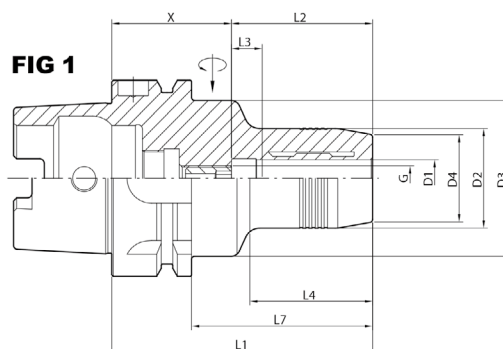
液压刀柄系统 Hydraulic Chuck System

»» HSK63A-HC 液压刀柄 HSK63A-HC Hydraulic Chuck

- 跳动精度: $3xD$ 长度 $\leq 0.003\text{mm}$
- 平衡等级: G2.5/25000rpm
- 轴向长度调整至10mm
- 免费提供T型扳手
- 对于ATC (自动换刀)
- 锥度公差: 符合 $\leq AT3$
- 装夹液压筒夹范围更广
- 刀具柄径公差为h6
- AD (中心通孔) 冷却系统



- Run-out accuracy : below 0.003mm at $3xD$
- Balancing grade : G2.5 / 25,000rpm
- Axial length adjustment up to 10mm
- T-wrench is provided free of charge
- For ATC (automatic tool change)
- Taper tolerance : $\leq AT3$
- Flexible clamping range with reduction sleeve
- Tool shank tolerance should be h6
- AD (center through) coolant system



型号 ITEM CODE	D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]	FIG
HSK63A-HC6-80	6	26	50	22	40	80	40	10	34	54	M5	1.0	FIG1
HSK63A-HC8-80	8	28	50	24	40	80	40	10	35	54	M6	1.0	FIG1
HSK63A-HC10-80	10	30	50	26	39	80	41	10	35	54	M8*1	1.1	FIG1
HSK63A-HC12-80	12	32	50	28	34	80	46	10	35	54	M8*1	1.1	FIG1
HSK63A-HC16-80	16	38	50	34	31	80	49	10	36	54	M8*1	1.2	FIG1
HSK63A-HC20-90	20	42	50	38	39	90	51	10	48	64	M8*1	1.3	FIG1
HSK63A-HC25-90	25	57	63	53	33	90	57	10	28	64	M8*1	1.9	FIG2
HSK63A-HC32-90	32	63	75	60	28	90	62	10	28	64	M8*1	2.7	FIG2

REMARK

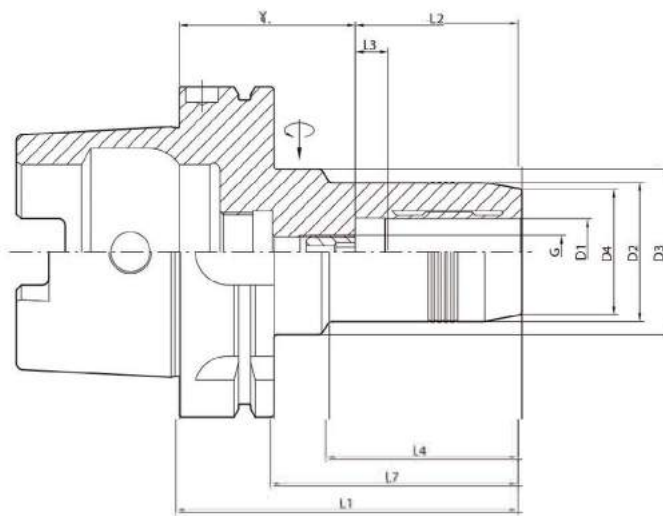
- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供C、E、F类
- 根据要求提供英寸尺寸
- 根据要求提供冷却液管和扳手
- Special design available on request
- Long or short length and small or unique bore available on request
- Type C, E, F available on request
- Inch dimensions available on request
- Coolant pipe and wrench for pipe available on request

液压刀柄系统 Hydraulic Chuck System

» HSK100A-HC 液压刀柄 HSK100A-HC Hydraulic Chuck

- 跳动精度：3xD长度≤0.003mm
- 平衡等级：G2.5/25000rpm
- 轴向长度调整至10mm
- 免费提供T型扳手
- 对于ATC（自动换刀）
- 锥度公差：符合≤AT3
- 装夹液压筒夹范围更广
- 刀具柄径公差为h6
- AD（中心通孔）冷却系统

- Run-out accuracy : below 0.003mm at 3xD
- Balancing grade : G2.5 / 25,000rpm
- Axial length adjustment up to 10mm
- T-wrench is provided free of charge
- For ATC (automatic tool change)
- Taper tolerance : ≤AT3
- Flexible clamping range with reduction sleeve
- Tool shank tolerance should be h6
- AD (center through) coolant system



型号 ITEM CODE	D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
HSK100A-HC6-75	6	26	50	22	35	75	40	10	26	46	M5	2.5
HSK100A-HC8-75	8	28	50	24	35	75	40	10	26	46	M6	2.5
HSK100A-HC10-90	10	30	50	26	49	90	41	10	42	61	M8*1	2.5
HSK100A-HC12-95	12	32	50	28	49	95	46	10	47	66	M8*1	2.6
HSK100A-HC16-100	16	38	50	34	51	100	49	10	53	71	M8*1	2.7
HSK100A-HC20-105	20	42	50	39	54	105	51	10	59	76	M10*1	2.8
HSK100A-HC25-110	25	57	63	53	53	110	57	10	62	81	M10*1	3.7
HSK100A-HC32-110	32	64	75	60	48	110	62	10	62	81	M10*1	3.8

REMARK

- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供C、E、F类
- 根据要求提供英寸尺寸
- 根据要求提供冷却液管和扳手

- Special design available on request
- Long or short length and small or unique bore available on request
- Type C, E, F available on request
- Inch dimensions available on request
- Coolant pipe and wrench for pipe available on request

细长型液压刀柄

SUPER SLIM LINE HYDRAULIC TOOL HOLDER

崇德精密的细长型液压刀柄是为了防止刀具在精密加工难以到达的深孔时受到工件的干扰而设计的。这细长型的结构可以节省工具设置时间和成本。

细长型液压刀柄最大的优点是它的超薄设计（3°锥度）优化，以防止刀具和工件之间的干涉。细长型液压刀柄是最窄角度加工和加工复杂到难以接近刀具的工件的最佳解决方案之一。

CHONGDE's Super Slim Line is designed to prevent tools from being interfered by the workpiece when precise processing deep holes that are difficult to reach.

This Super Slim Line allow to save tool set-up time and cost as well.

Super Slim Line's biggest advantage is its super slim design (3° Slop) optimized to prevent interference between the tool and the workpiece.

This Super Slim Line is one of the best solutions for machining at the narrowest angle and for processing workpieces that are so complex that the tool is difficult to access.

- 优化及防止工具和工件之间的干扰
 - 适用于深轮廓加工
 - 适用于形状复杂的工件加工
 - 适用于工件与刀具之间狭窄角度的加工
 - 3°锥度超细长设计
 - 最小化或防止刀具与工件之间的干涉
 - 优化加工复杂及难以加工的工件部位
 - 适用于五轴加工，如模具制造行业。
 - 减振效果
 - 用于精加工，钻孔，铰孔，螺纹铣削，倒角
- Optimized to prevent interference between tools and workpieces
 - For deep contours
 - For complex shape of workpiece
 - For narrowest of angles between workpiece and cutting tools
 - Super Slim Design with 3 degree slop
 - Minimize or prevent interference between tool and workpiece
 - Optimize for workpieces that are so complex that the tool is difficult to access.
 - Suitable for 5-axis machining, e.g in mould making industry.
 - Vibration Damping Effect
 - For finish milling, drilling, reaming, thread-milling, chamfering

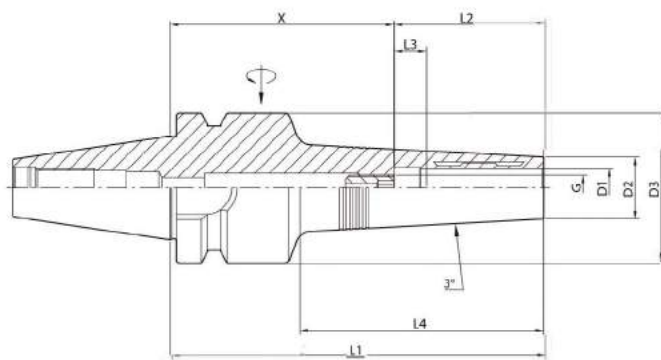


液压刀柄系统 Hydraulic Chuck System

BT30-HCS 液压刀柄 BT30-HCS Hydraulic Chuck

- 跳动精度: 3xD长度 $\leq$ 0.003mm
- 锥柄精度: $\leq$ AT3
- 动平衡等级: G2.5 / 25,000rpm
- 装夹液压筒夹范围更广
- 夹持刀具轴向调节范围10mm
- 刀具柄径公差为h6
- T型扳手免费提供
- AD (中心通孔) 冷却系统
- 对于ATC (自动换刀)
- 3°锥度设计

- Run-out accuracy: below 0.003mm at 3xD
- Taper tolerance : $\leq$ AT3
- Balancing grade : G2.5 / 25,000rpm
- Flexible clamping range with reduction sleeve
- Axial length adjustment up to 10mm
- Tool shank tolerance should be h6
- T-wrench is provided free of charge
- AD (center through) coolant system
- For ATC (automatic tool change)
- Long and super slim design with 3 degree slop



型号 ITEM CODE	D1 [mm]	D2 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	G	重量 Weight [kg]
BT30-HC3S-85	3	11	67	85	18	—	42	—	0.7
BT30-HC4S-85	4	11	61	85	24	—	42	—	0.7
BT30-HC5S-85	5	12	59	85	26	—	42	—	0.7
BT30-HC6S-115	6	13	75	115	40	10	74	M5	0.7
BT30-HC8S-115	8	15	75	115	40	10	74	M6	0.7
BT30-HC10S-115	10	17	74	115	41	10	74	M8*1	0.9
BT30-HC12S-115	12	19	69	115	46	10	75	M8*1	0.9

REMARK

- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 可根据要求提供CAT/BBT/NT
- 根据要求提供英寸尺寸

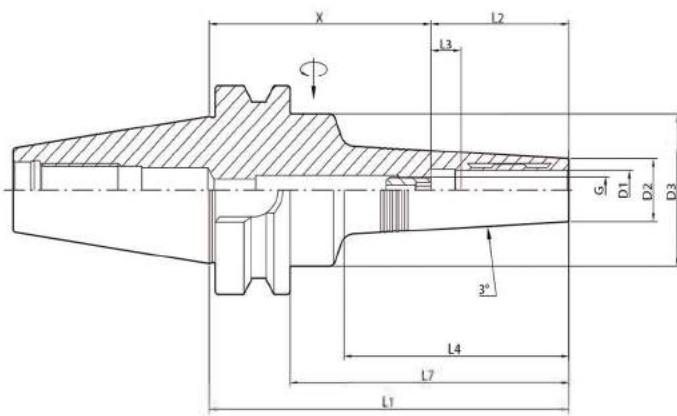
- Special design available on request
- Long or short length and small or unique bore available on request
- CAT/BBT/NT available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

BT40-HCS 液压刀柄 BT40-HCS Hydraulic Chuck

- 跳动精度: $3xD$ 长度 $\leq 0.003\text{mm}$
- 锥柄精度: $\leq \text{AT}3$
- 动平衡等级: G2.5 / 25,000rpm
- 装夹液压筒夹范围更广
- 夹持刀具轴向调节范围10mm
- 刀具柄径公差为h6
- T型扳手免费提供
- AD (中心通孔) 冷却系统
- 对于ATC (自动换刀)
- 3°锥度设计

- Run-out accuracy: below 0.003mm at 3xD
- Taper tolerance : $\leq \text{AT}3$
- Balancing grade : G2.5 / 25,000rpm
- Flexible clamping range with reduction sleeve
- Axial length adjustment up to 10mm
- Tool shank tolerance should be h6
- T-wrench is provided free of charge
- AD (center through) coolant system
- For ATC (automatic tool change)
- Long and super slim design with 3 degree slop



型号 ITEM CODE	D1 [mm]	D2 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
BT40-HC3S-90	3	11	72	90	18	—	42	63	—	1.1
BT40-HC4S-90	4	11	66	90	24	—	42	63	—	1.1
BT40-HC5S-90	5	12	64	90	26	—	42	63	—	1.4
BT40-HC6S-120	6	13	80	120	40	10	74	93	M5	1.4
BT40-HC8S-120	8	15	80	120	40	10	74	93	M6	1.4
BT40-HC10S-120	10	17	79	120	41	10	74	93	M8*1	1.4
BT40-HC12S-120	12	19	74	120	46	10	75	93	M8*1	1.4

REMARK

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- 可根据要求提供CAT/BBT/NT
- 根据要求提供英寸尺寸

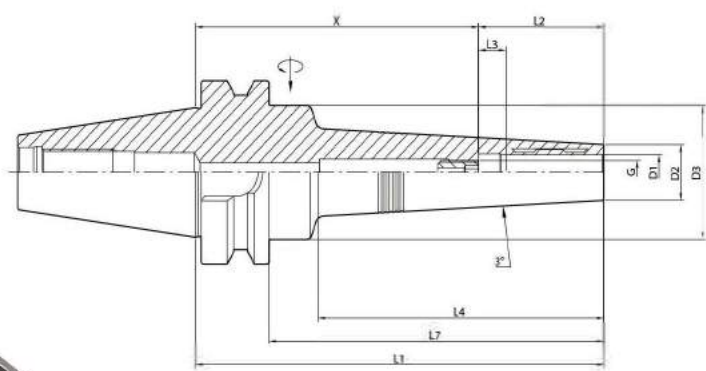
- Special design available on request
- Long or short length and small or unique bore available on request
- CAT/BBT / NT available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

BT40-HCS 液压刀柄 BT40-HCS Hydraulic Chuck

- 跳动精度：3xD长度≤0.003mm
- 锥柄精度：≤AT3
- 动平衡等级：G2.5 / 25,000rpm
- 装夹液压筒夹范围更广
- 夹持刀具轴向调节范围10mm
- 刀具柄径公差为h6
- T型扳手免费提供
- AD（中心通孔）冷却系统
- 对于ATC（自动换刀）
- 3°锥度设计

- Run-out accuracy: below 0.003mm at 3xD
- Taper tolerance : ≤AT3
- Balancing grade : G2.5 / 25,000rpm
- Flexible clamping range with reduction sleeve
- Axial length adjustment up to 10mm
- Tool shank tolerance should be h6
- T-wrench is provided free of charge
- AD (center through) coolant system
- For ATC (automatic tool change)
- Long and super slim design with 3 degree slop



型号 ITEM CODE	D1 [mm]	D2 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
BT40-HC3S-120	3	11	102	120	18	—	72	93	—	1.3
BT40-HC4S-120	4	11	96	120	24	—	72	93	—	1.3
BT40-HC5S-120	5	12	94	120	26	—	72	93	—	1.3
BT40-HC6S-150	6	13	110	150	40	10	104	123	M5	1.5
BT40-HC8S-150	8	15	110	150	40	10	104	123	M6	1.5
BT40-HC10S-150	10	17	109	150	41	10	104	123	M8*1	1.5
BT40-HC12S-150	12	19	104	150	46	10	105	123	M8*1	1.5

REMARK

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- 根据要求提供英寸尺寸

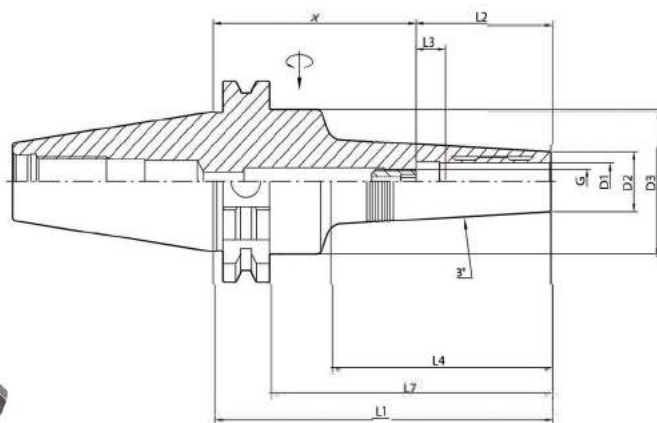
- Special design available on request
- Long or short length and small or unique bore available on request
- CAT / BBT / NT available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

SK40-HCS 液压刀柄 SK40-HCS Hydraulic Chuck

- 跳动精度: $3xD$ 长度 $\leq 0.003\text{mm}$
- 锥柄精度: $\leq \text{AT3}$
- 动平衡等级: G2.5 / 25,000rpm
- 装夹液压筒夹范围更广
- 夹持刀具轴向调节范围10mm
- 刀具柄径公差为h6
- T型扳手免费提供
- AD (中心通孔) 冷却系统
- 对于ATC (自动换刀)
- 3°锥度设计

- Run-out accuracy: below 0.003mm at 3xD
- Taper tolerance : $\leq \text{AT3}$
- Balancing grade : G2.5 / 25,000rpm
- Flexible clamping range with reduction sleeve
- Axial length adjustment up to 10mm
- Tool shank tolerance should be h6
- T-wrench is provided free of charge
- AD (center through) coolant system
- For ATC (automatic tool change)
- Long and super slim design with 3 degree slop



型号 ITEM CODE	D1 [mm]	D2 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
SK40-HC3S-85	3	11	67	85	18	—	42	65.9	—	1.3
SK40-HC4S-85	4	11	61	85	24	—	42	65.9	—	1.3
SK40-HC5S-85	5	12	59	85	26	—	42	65.9	—	1.3
SK40-HC6S-115	6	13	75	115	40	10	74	95.9	M5	1.4
SK40-HC8S-115	8	15	75	115	40	10	74	95.9	M6	1.4
SK40-HC10S-115	10	17	74	115	41	10	74	95.9	M8*1	1.4
SK40-HC12S-115	12	19	69	115	46	10	75	95.9	M8*1	1.4

REMARK

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- 根据要求提供长或短长度和小或独特的孔
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- 根据要求提供英寸尺寸

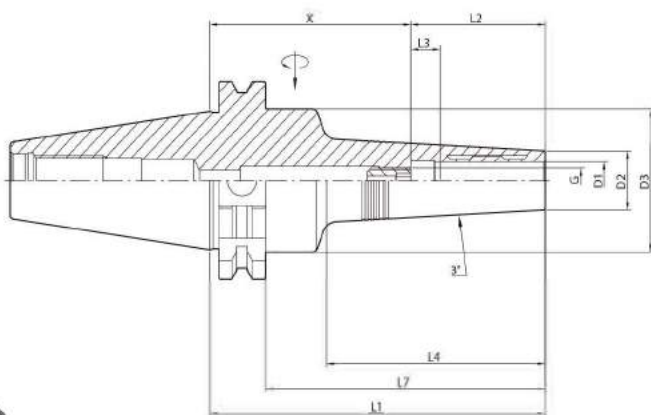
- Special design available on request
- Long or short length and small or unique bore available on request
- CAT / BBT / NT available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

SK40-HCS 液压刀柄 SK40-HCS Hydraulic Chuck

- 跳动精度: $3 \times D$ 长度 $\leq 0.003\text{mm}$
- 锥柄精度: $\leq \text{AT}3$
- 动平衡等级: G2.5 / 25,000rpm
- 装夹液压筒夹范围更广
- 夹持刀具轴向调节范围10mm
- 刀具柄径公差为h6
- T型扳手免费提供
- AD (中心通孔) 冷却系统
- 对于ATC (自动换刀)
- 3° 锥度设计

- Run-out accuracy: below 0.003mm at $3 \times D$
- Taper tolerance : $\leq \text{AT}3$
- Balancing grade : G2.5 / 25,000rpm
- Flexible clamping range with reduction sleeve
- Axial length adjustment up to 10mm
- Tool shank tolerance should be h6
- T-wrench is provided free of charge
- AD (center through) coolant system
- For ATC (automatic tool change)
- Long and super slim design with 3 degree slop



型号 ITEM CODE	D1 [mm]	D2 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
SK40-HC3S-115	3	11	46	115	18	—	72	95.9	—	1.4
SK40-HC4S-115	4	11	46	115	24	—	72	95.9	—	1.4
SK40-HC5S-115	5	12	46	115	26	—	72	95.9	—	1.4
SK40-HC6S-145	6	13	46	145	40	10	104	125.9	M5	1.5
SK40-HC8S-145	8	15	46	145	40	10	104	125.9	M5	1.5
SK40-HC10S-145	10	17	46	145	41	10	104	125.9	M8*1	1.5
SK40-HC12S-145	12	19	46	145	46	10	105	125.9	M8*1	1.5

REMARK

- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 可根据要求提供CAT/BBT/NT
- 根据要求提供英寸尺寸

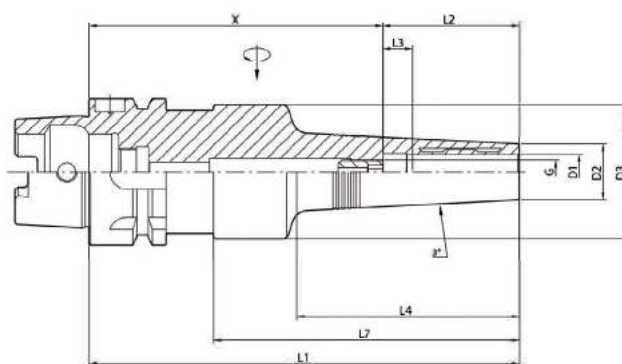
- Special design available on request
- Long or short length and small or unique bore available on request
- CAT/ BBT / NT available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

»» HSK50A-HCS 液压刀柄 HSK50-HCS Hydraulic Chuck

- 跳动精度: $3 \times D$ 长度 $\leq 0.003\text{mm}$
- 锥柄精度: $\leq \text{AT3}$
- 动平衡等级: G2.5 / 25,000rpm
- 装夹液压筒夹范围更广
- 夹持刀具轴向调节范围10mm
- 刀具柄径公差为h6
- T型扳手免费提供
- AD (中心通孔) 冷却系统
- 对于ATC (自动换刀)
- 3°锥度设计

- Run-out accuracy: below 0.003mm at $3 \times D$
- Taper tolerance : $\leq \text{AT3}$
- Balancing grade : G2.5 / 25,000rpm
- Flexible clamping range with reduction sleeve
- Axial length adjustment up to 10mm
- Tool shank tolerance should be h6
- T-wrench is provided free of charge
- AD (center through) coolant system
- For ATC (automatic tool change)
- Long and super slim design with 3 degree slop



型号 ITEM CODE	D1 [mm]	D2 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
HSK50A-HC3S-115	3	11	97	115	18	—	42	89	—	0.6
HSK50A-HC4S-115	4	11	91	115	24	—	42	89	—	0.6
HSK50A-HC5S-115	5	12	89	115	26	—	42	89	—	0.6
HSK50A-HC6S-145	6	13	105	145	40	10	74	119	M5	1.1
HSK50A-HC8S-145	8	15	105	145	40	10	74	119	M6	1.1
HSK50A-HC10S-145	10	17	104	145	41	10	74	119	M8*1	1.1
HSK50A-HC12S-145	12	19	99	145	46	10	75	119	M8*1	1.1

REMARK

- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供C、E、F类
- 根据要求提供英寸尺寸
- 根据要求提供冷却液管和扳手

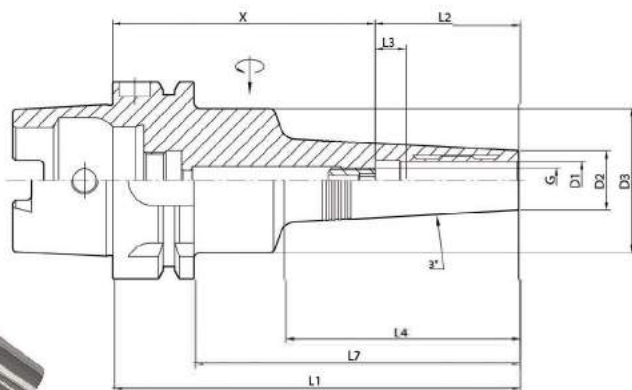
- Special design available on request
- Long or short length and small or unique bore available on request
- Type C, E, F available on request
- Inch dimensions available on request
- Coolant pipe and wrench for pipe available on request

液压刀柄系统 Hydraulic Chuck System

»» HSK63A-HCS 液压刀柄 HSK50-HCS Hydraulic Chuck

- 跳动精度: $3 \times D$ 长度 $\leq 0.003\text{mm}$
- 锥柄精度: $\leq \text{AT}3$
- 动平衡等级: G2.5 / 25,000rpm
- 装夹液压筒夹范围更广
- 夹持刀具轴向调节范围10mm
- 刀具柄径公差为h6
- T型扳手免费提供
- AD (中心通孔) 冷却系统
- 对于ATC (自动换刀)
- 3°锥度设计

- Run-out accuracy: below 0.003mm at $3 \times D$
- Taper tolerance : $\leq \text{AT}3$
- Balancing grade : G2.5 / 25,000rpm
- Flexible clamping range with reduction sleeve
- Axial length adjustment up to 10mm
- Tool shank tolerance should be h6
- T-wrench is provided free of charge
- AD (center through) coolant system
- For ATC (automatic tool change)
- Long and super slim design with 3 degree slop



型号 ITEM CODE	D1 [mm]	D2 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
HSK63A-HC3S-100	3	11	82	100	18	—	42	74	—	1.0
HSK63A-HC4S-100	4	11	76	100	24	—	42	74	—	1.0
HSK63A-HC5S-100	5	12	74	100	26	—	42	74	—	1.0
HSK63A-HC6S-130	6	13	90	130	40	10	74	104	M5	1.2
HSK63A-HC8S-130	8	15	90	130	40	10	74	104	M6	1.2
HSK63A-HC10S-130	10	17	89	130	41	10	74	104	M8*1	1.2
HSK63A-HC12S-130	12	19	84	130	46	10	75	104	M8*1	1.2

REMARK

- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供C、E、F类
- 根据要求提供英寸尺寸
- 根据要求提供冷却液管和扳手

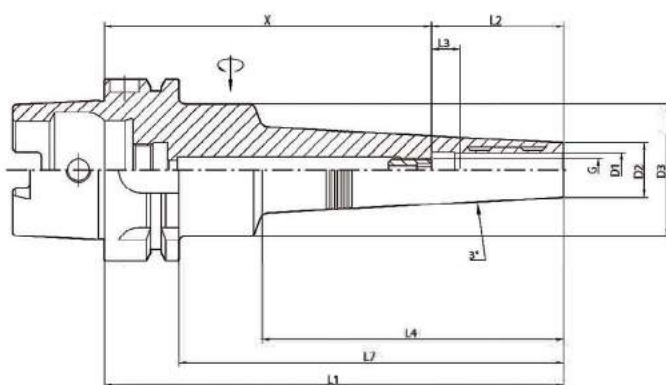
- Special design available on request
- Long or short length and small or unique bore available on request
- Type C, E, F available on request
- Inch dimensions available on request
- Coolant pipe and wrench for pipe available on request

液压刀柄系统 Hydraulic Chuck System

»» HSK63A-HCS 液压刀柄 HSK63A-HCS Hydraulic Chuck

- 跳动精度：3xD长度≤0.003mm
- 锥柄精度：≤AT3
- 动平衡等级：G2.5 / 25,000rpm
- 装夹液压筒夹范围更广
- 夹持刀具轴向调节范围10mm
- 刀具柄径公差为h6
- T型扳手免费提供
- AD（中心通孔）冷却系统
- 对于ATC（自动换刀）
- 3°锥度设计

- Run-out accuracy: below 0.003mm at 3xD
- Taper tolerance : ≤AT3
- Balancing grade : G2.5 / 25,000rpm
- Flexible clamping range with reduction sleeve
- Axial length adjustment up to 10mm
- Tool shank tolerance should be h6
- T-wrench is provided free of charge
- AD (center through) coolant system
- For ATC (automatic tool change)
- Long and super slim design with 3 degree slop



型号 ITEM CODE	D1 [mm]	D2 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
HSK63A-HC3S-130	3	11	112	130	18	—	72	104	—	0.7
HSK63A-HC4S-130	4	11	106	130	24	—	72	104	—	0.7
HSK63A-HC5S-130	5	12	104	130	26	—	72	104	—	0.7
HSK63A-HC6S-160	6	13	120	160	40	10	104	134	M5	1.3
HSK63A-HC8S-160	8	15	120	160	40	10	104	134	M6	1.3
HSK63A-HC10S-160	10	17	119	160	41	10	104	134	M8*1	1.3
HSK63A-HC12S-160	12	19	114	160	46	10	105	134	M8*1	1.3

REMARK

- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供C、E、F类
- 根据要求提供英寸尺寸
- 根据要求提供冷却液管和扳手

- Special design available on request
- Long or short length and small or unique bore available on request
- Type C, E, F available on request
- Inch dimensions available on request
- Coolant pipe and wrench for pipe available on request

磨床液压刀柄

GRINDING LINE

崇德精密的磨床液压刀柄将为您提供最好的磨具和磨床加工效果。

较高的跳动和重复精度在磨削过程中提供了均匀的材料去除，并在磨削和重磨过程中提高了工艺可靠性。能够获得最佳加工尺寸精度和刀具顶端的跳动精度。

The CHONGDE's Grinding Line will give you the best results in tool sharpening and grinding machines

The high run-out and repeat accuracy provides an even material removal during the grinding process as well as increases process reliability during grinding and re-sharpening

Results in the best dimensional accuracy and accuracy in size at the lip of the tool

- 适用于砂轮机，磨锐机，打磨机和磨床
 - 稳定的重复径跳精度：3xD $\leq 0.003\text{mm}$
 - 增加了刀具及砂轮寿命
 - 具有最佳加工尺寸精度、表面质量以及较高的刀具顶端的跳动精度这意味着使用刀具寿命大大提高，并改善了工件表面质量以及提高了切削速度和进给速度
 - 对于带有长柄的特殊工具，最大夹持深度为160mm
 - 避免加工工件和砂轮之间干涉的25°锥度设计
 - 使用T型扳手更换刀具，可减少安装时间
 - 根据内孔尺寸的不同，稳定的扭矩力可达32Nm - 350Nm
 - 减振效果
 - 装夹液压筒夹范围更广
-
- For tool sharpening or re-sharpening and grinding machines.
 - Stable repeat run-out accuracy is 0.003mm at 3xD.
 - Increased tool life and the grinding wheel.
 - Best dimensional accuracy, surface quality and runout accuracy at the lips of the toolThis means for the use of machined or re-sharpened cutting tools a considerably higher tool life time, improved surface quality at the workpiece as well as increased cutting speeds and feeding rates.
 - Extremely deep clamping depths Max. 160mm for special tools with long shanks.
 - Minimize interference between grinding wheel and edge of hydraulic chuck with 25°.
 - T-Wrench is enough for tool change and reduce set-up time.
 - Stable torque power up to 32Nm - 350Nm depend on inner bore size.
 - Vibration Damping Effect.
 - Flexible clamping range with reduction sleeve.

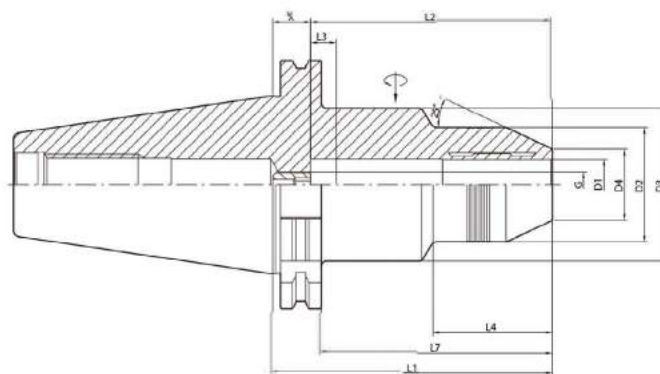


液压刀柄系统 Hydraulic Chuck System

SK50-HCG 液压刀柄 SK50-HCG Hydraulic Chuck

- 跳动精度: $3xD$ 长度 $\leq 0.003m$
- 锥度公差: 符合ISO标准的AT3
- 免费提供T型扳手
- 精密筒夹的灵活夹紧范围
- 适用于砂轮机, 磨锐机, 打磨机和磨床
- 刀具柄径公差为h6
- 对于带有长柄的特殊工具, 最大夹持深度为160mm
- AD (中心通孔) 冷却系统

- Run-out accuracy: below 0.003mm at $3xD$
- Taper tolerance: AT3 or better according to ISO standard
- T-wrench is provided free of charge
- Flexible clamping range with reduction sleeve
- For tool sharpening or re-sharpening and grinding machines
- Tool shank tolerance should be h6
- Deep clamping depth max. 160mm depend on inner bore size
- AD (center through) coolant system



型号 ITEM CODE	D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	X [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	L7 [mm]	G	重量 Weight [kg]
SK50-HC12G-110	12	38	60	21.5	60	110	50	10	55	90.9	M8*1	37
SK50-HC20G-110	20	45	60	28	15	110	95	10	47	90.9	M10*1	39
SK50-HC32G-110	32	55	70	41	15	110	95	10	46	90.9	M10*1	40

REMARK

- 根据要求提供自动磨床的特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供英寸尺寸
- 根据要求提供法兰类型
- Special design for automatic grinding machine available on request
- Long or short length and small or unique bore available on request
- Inch dimensions available on request
- Type of flange available on request

直柄 液压延长杆

HYDRAULIC HANDLE WITH STRAIGHT SHANK

崇德精密的液压延长杆是为了防止精密加工深孔时刀具受到工件的干扰而设计的。

液压延长杆还可以节省工具设置时间和成本

液压延长杆最大的优点是可以快速地夹持在液压刀柄和各种类型的刀具夹持系统中，如ER刀柄夹持系统、铣加工刀柄以及精密的细长刀柄。

CHONGDE's Extension Line is designed to prevent tools from being interfered by the workpiece when precise processing deep holes that are difficult to reach.

This Extension Line allow to save tool set-up time and cost as well.

The greatest advantage of Extension Line can be quickly clamped in hydraulic chuck and various type of tool-holders such as ER system, Milling chucks, Slim collet chucks which is nearly precision tool holders

-用各种工具夹紧

- 液压刀柄
- ER刀柄夹持系统
- 铣刀柄
- 其他类型的夹头系统

-细长设计

- 最小化或防止刀具与工件之间的干涉
- 优化加工复杂及难以加工的工件部位

-根据内孔尺寸的不同，稳定的扭矩力可达稳定扭矩功率可达16Nm - 300Nm

-减振效果

-可用于精铣，钻孔，铰孔，倒角等加工过程

- Clamped with various toolholders

- Hydraulic chuck
- ER system
- Milling chuck
- Other type of collet system
- Various type of clamping system

- Slim Design

- Minimize or prevent interference between tool and workpiece
- Optimize for workpieces that are so complex that the tool is difficult to access

- Stable torque power up to 16Nm - 300Nm depend on inner bore size

- Vibration Damping Effect

- For finish milling, drilling, reaming, chamfering

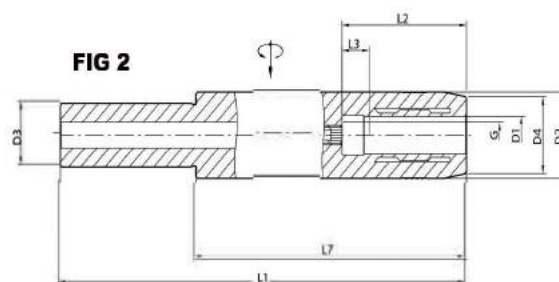
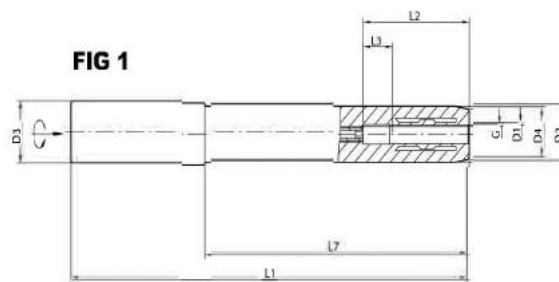


液压刀柄系统 Hydraulic Chuck System

»» C20/32-HC 液压延长杆 C20/32-HC Hydranulic Extension Line

- 跳动精度: $3 \times D$ 长度 $\leq 0.003\text{mm}$
- 平衡等级: G2.5/25000rpm
- 轴向长度调整至10mm
- 免费提供T型扳手
- 精密筒夹的灵活夹紧范围
- 刀具柄径公差为h6
- AD (中心通孔) 冷却系统

- Run-out accuracy : below 0.003mm at $3 \times D$
- Balancing grade : G2.5 / 25,000rpm
- Axial length adjustment up to 10mm
- T-wrench is provided free of charge
- Flexible clamping range with reduction sleeve
- Tool shank tolerance should be h6
- AD (center through) coolant system



型号 ITEM CODE	D1 [mm]	D2 [mm]	D3 [mm]	D4 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L7 [mm]	G	重量 Weight [kg]	FIG
C20-HC6-150	6	18	20	16	150	40	10	100	M5	0.45	FIG1
C20-HC8-150	8	20	20	18	150	40	10	100	M5	0.45	FIG1
C20-HC10-150	10	22	20	20	150	41	10	100	M6	0.45	FIG1
C20-HC12-150	12	27	20	25	150	16	10	100	M6	0.45	FIG2
C20-HC16-150	16	30	20	28	150	49	10	100	M8*1	0.45	FIG2
C20-HC20-150	20	32	20	30	150	51	10	100	M8*1	0.55	FIG2
C32-HC20-150	20	32	32	30	150	51	10	90	M8*1	0.70	FIG2
C32-HC20-200	20	32	32	30	200	51	10	90	M8*1	0.75	FIG2

REMARK

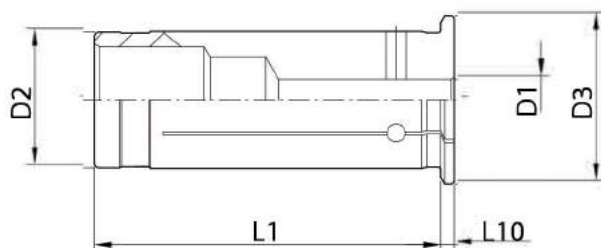
- 根据要求提供特殊设计
- 根据要求提供长或短长度和小或独特的孔
- 根据要求提供英寸尺寸

- Special design available on request
- Long or short length and small or unique bore available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

HC (通用) 液压筒夹 HC (universal) Reduction Sleeve

- 跳动精度: $3xD \leq 0.005\text{mm}$
- 刀具柄径公差应为h6
- Run-out accuracy : below 0.005mm at 3xD
- Tool shank tolerance should be h6



型号 ITEzM CODE	D1 [mm]	D2 [mm]	D3 [mm]	L1 [mm]	D10 [mm]	重量 Weight [kg]
通用 Universal						
HC12-3	3	12	16.5	45	2	0.1
HC12-4	4	12	16.5	45	2	0.1
HC12-5	5	12	16.5	45	2	0.1
HC12-6	6	12	16.5	45	2	0.1
HC12-8	8	12	16.5	45	2	0.1
HC20-3	3	20	24.5	50.5	2	0.1
HC20-4	4	20	24.5	50.5	2	0.1
HC20-5	5	20	24.5	50.5	2	0.1
HC20-6	6	20	24.5	50.5	2	0.1
HC20-7	7	20	24.5	50.5	2	0.1
HC20-8	8	20	24.5	50.5	2	0.1
HC20-9	9	20	24.5	50.5	2	0.1
HC20-10	10	20	24.5	50.5	2	0.1
HC20-11	11	20	24.5	50.5	2	0.1
HC20-12	12	20	24.5	50.5	2	0.1
HC20-13	13	20	24.5	50.5	2	0.1
HC20-14	14	20	24.5	50.5	2	0.1
HC20-15	15	20	24.5	50.5	2	0.1
HC20-16	16	20	24.5	50.5	2	0.1
HC32-6	6	32	36.5	60.5	3	0.3
HC32-8	8	32	36.5	60.5	3	0.3
HC32-10	10	32	36.5	60.5	3	0.3
HC32-12	12	32	36.5	60.5	3	0.3
HC32-14	14	32	36.5	60.5	3	0.3
HC32-16	16	32	36.5	60.5	3	0.3
HC32-18	18	32	36.5	60.5	3	0.3
HC32-20	20	32	36.5	60.5	3	0.3
HC32-25	25	32	36.5	60.5	3	0.3

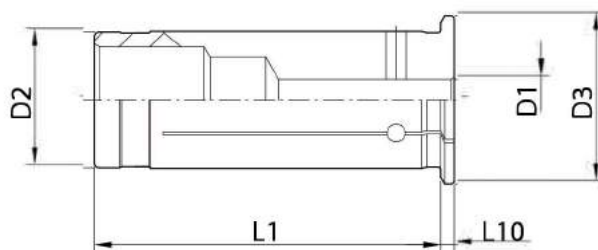
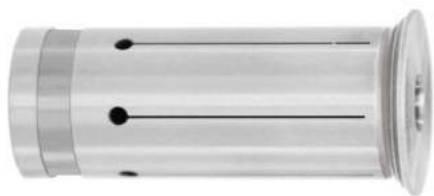
REMARK

- 根据要求提供小孔或特殊的孔
- 根据要求提供英寸尺寸
- small or unique bore available on request
- Inch dimensions available on request

液压刀柄系统 Hydraulic Chuck System

WHC (内冷) 液压筒夹 WHC (coolant through) Reduction Sleeve

- 跳动精度: $3xD \leq 0.005 \text{ mm}$
- 刀具柄径公差应为h6
- Run-out accuracy : below 0.005mm at 3xD
- Tool shank tolerance should be h6



型号 ITEM CODE	D1 [mm]	D2 [mm]	D3 [mm]	L1 [mm]	D10 [mm]	重量 Weight [kg]
内冷 Center Through coolant						
WHC12-3	3	12	16.5	45	2	0.1
WHC12-4	4	12	16.5	45	2	0.1
WHC12-5	5	12	16.5	45	2	0.1
WHC12-6	6	12	16.5	45	2	0.1
WHC12-8	8	12	16.5	45	2	0.1
WHC20-3	3	20	24.5	50.5	2	0.1
WHC20-4	4	20	24.5	50.5	2	0.1
WHC20-5	5	20	24.5	50.5	2	0.1
WHC20-6	6	20	24.5	50.5	2	0.1
WHC20-7	7	20	24.5	50.5	2	0.1
WHC20-8	8	20	24.5	50.5	2	0.1
WHC20-9	9	20	24.5	50.5	2	0.1
WHC20-10	10	20	24.5	50.5	2	0.1
WHC20-11	11	20	24.5	50.5	2	0.1
WHC20-12	12	20	24.5	50.5	2	0.1
WHC20-13	13	20	24.5	50.5	2	0.1
WHC20-14	14	20	24.5	50.5	2	0.1
WHC20-15	15	20	24.5	50.5	2	0.1
WHC20-16	16	20	24.5	50.5	2	0.1
WHC32-6	6	32	36.5	60.5	3	0.3
WHC32-8	8	32	36.5	60.5	3	0.3
WHC32-10	10	32	36.5	60.5	3	0.3
WHC32-12	12	32	36.5	60.5	3	0.3
WHC32-14	14	32	36.5	60.5	3	0.3
WHC32-16	16	32	36.5	60.5	3	0.3
WHC32-18	18	32	36.5	60.5	3	0.3
WHC32-20	20	32	36.5	60.5	3	0.3
WHC32-25	25	32	36.5	60.5	3	0.3

REMARK

- 根据要求提供小孔或特殊的孔
- 根据要求提供英寸尺寸
- small or unique bore available on request
- Inch dimensions available on request