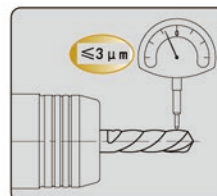


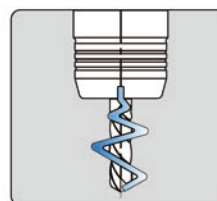


高精度液压刀柄系列 HIGH PRECISION HYDRAULIC CHUCK SYSTEM

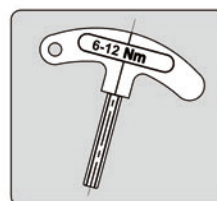
- 刀具使用寿命可提升3倍，减少更换刀具，加工尺寸更稳定
- 表面光洁度好，无振纹
- 噪音低，可以保持机床主轴良好的精度与寿命
- 动态旋转精度保持在0.003mm以内



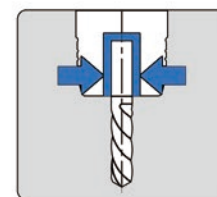
High runout accuracy,
less than 0.003mm
超高精度，
精度小于0.003mm



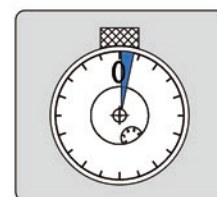
Vibration damping
超高减震性能



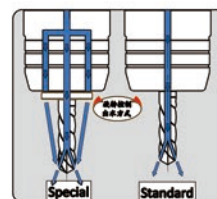
Easy mounting with
torque wrench
使用6Nm-12Nm的扭紧力，
可以轻松安装及操作。



High clamping force,
the torque reaches
夹持力大，扭矩高



Fast set-up time
快速换刀，无需
辅助装置



Two type of cooling
两种冷却方式

终极解决方案

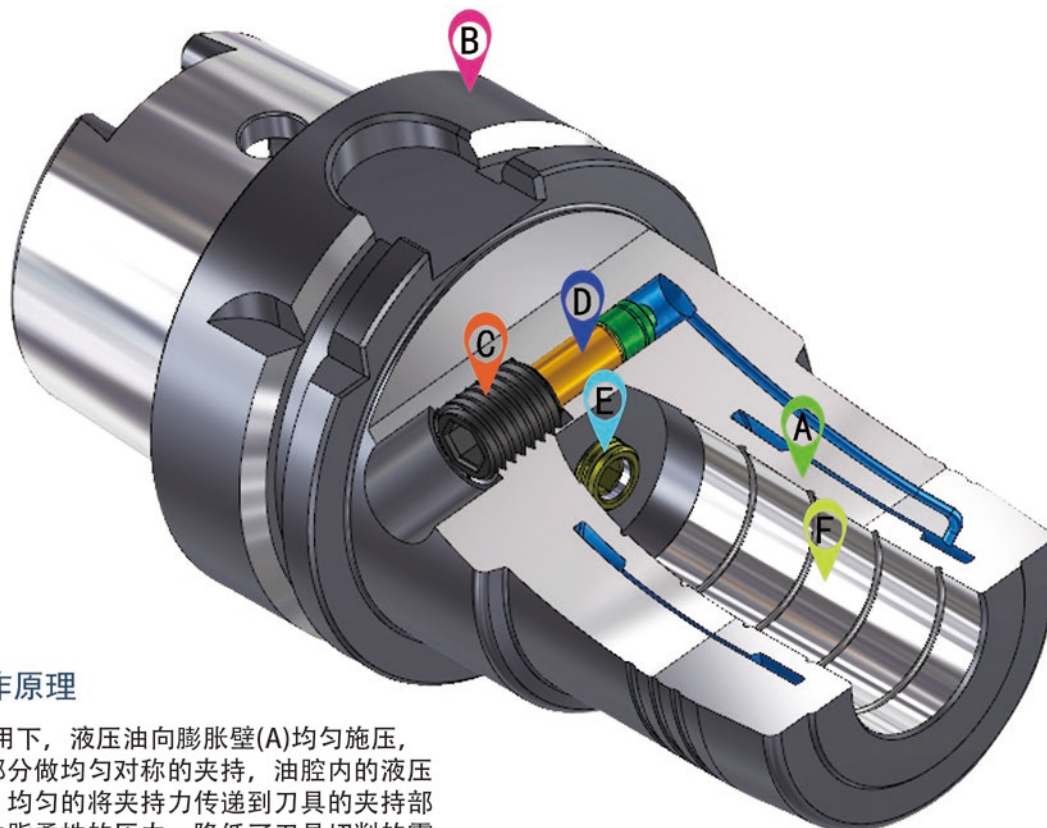
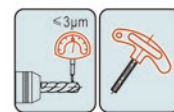
- 适用于所有切削工具
- 适用于铣（粗铣、精铣）、钻、铰及攻丝等所有应用





高精度液压刀柄 夹持原理

HIGH PRECISION HYDRAULIC CHUCK SYSTEM



A. 液压刀柄工作原理

在油缸(D)的作用下，液压油向膨胀壁(A)均匀施压，膨胀壁对夹持部分做均匀对称的夹持，油腔内的液压油通过夹持壁，均匀的将夹持力传递到刀具的夹持部位，由于中间油脂柔性的压力，降低了刀具切削的震动，减少了对刀具边缘的磨损，可延长刀具40%的使用寿命，使加工零件的尺寸更加稳定，也能有效的保护机床主轴的精度和使用寿命。

The expansion sleeve expands against the tool shank. This clamping process first centers the tool shank before fully clamping it over the whole surface. The chamber system fills TH with hydraulic fluid, exerting a damping effect on the clamped tool. Wear on the cutting edge of the tool is minimized, service life is increased by up to 40 %.

D. 驱动活塞 The actuation piston

驱动活塞压缩液压油，提高油腔内的油压。
The actuation piston compresses the hydraulic fluid into the chamber system.

E. 长度调节螺钉 The length adjustment screw

可以快速，方便的调节刀具长度。
For fast and easy presetting.

F. 环槽 The groove

装夹孔内壁和被夹刀具之间产生的巨大压力将油，油脂等润滑物的残余部分排挤到环槽内，保持了装夹孔壁的清洁和干燥。

The enormous clamping pressure of the TENDO hydraulic expansion toolholder creates a displacement of oil, grease, or lubricant residues into the groove causing surfaces to remain dry.

B. 刀柄体连接型号 The toolholder body

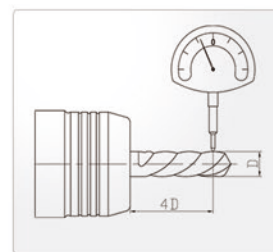
刀柄连接型号包含HSK/BBT/BT/CAT/SK等等
The toolholder body includes the machine interface, e.g. HSKSK, JIS-BT, CAT, etc.

C. 加压螺栓 The actuation screw

用扳手旋动加压螺栓，带动活塞移动，直至拧紧。
The actuation piston is moved with the actuation screw and tightened to a dead stop without a torque wrench

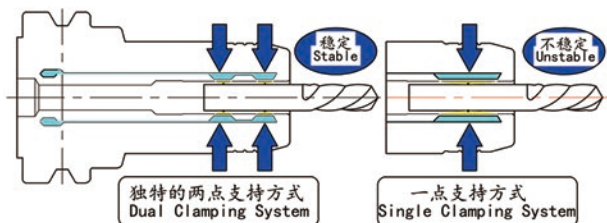


液压刀柄系列 HYDRAULIC CHUCK SYSTEM extend cutter life to be 300%



- 液压刀柄独特的内部结构，具有精度高刚性强等独特的优点，零部件精确定位、锁紧一气呵成
- For heavy machining
- Extreme high clamping force
- Easy handling
- Rigid design

- 液压刀柄在4倍直径的跳动精度在 $3\mu\text{m}$ 以下
- 刀柄跳动小，加工表面质量越好，同时还能延长刀具的使用寿命。
- Runout tolerance within 3 micron at 4xD diameters position
- Minimum tool runout ensures good surfaces and extend tool life



- 独特的两点支持方式，使精度更稳定
- “Dual clamping points system” for stable and high precision clamping



- 装入刀具后仅一个T型扳手使用6-12NM的扭紧力就可以轻松锁紧、拆卸
- Easy handling and tool change with a force 6-12NM



CNC JieHe

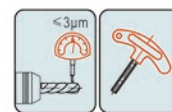
HSK高精度液压刀柄
HSK HIGH PRECISION HYDRAULIC CHUCK



HSK高精度液压刀柄

A011010-A011211 订单号 Order NO.

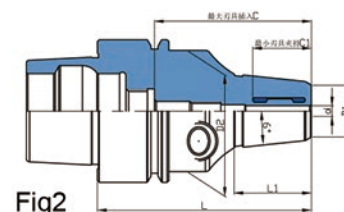
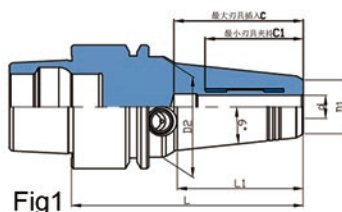
HSK HIGH PRECISION HYDRAULIC CHUCK
(DIN 69893)



微孔
microvoid



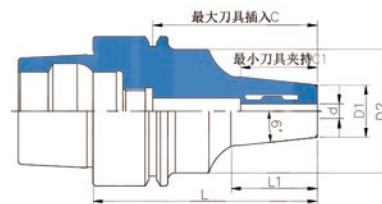
- 小孔设计，适用于微钻加工，市场稀缺。
Design of small aperture
- 口罩熔喷布磨具的小孔加工神器。
Smart tool for processing grinding tools of face



在放大镜下，夹持3mm的网红小钻头。
Under a magnifying glass, clamping a 3 mm drill bit

	Order No	Type	Fig.	Φd	ΦD1	ΦD2	L	L1	Insection Length C1	Insection Length C	N. W (kg)	Price
▲	A011010	HSK32E-PHC03-55	1	3	15	26	55	28	16	28	0.38	
▲	A011011	HSK32E-PHC04-60	1	4	15	26	60	33	19	30	0.34	
▲	A011012	HSK32E-PHC06-60	1	6	15	26	60	33	25	33.5	0.35	
○	A011110	HSK40E-PHC03-60	2	3	15	34	60	21	16	33.5	0.36	
○	A011111	HSK40E-PHC04-60	2	4	15	34	60	22	19	28	0.30	
●	A011210	HSK50E-PHC03-65	2	3	15	37	65	19	16	45	0.7	
●	A011211	HSK50E-PHC04-65	2	4	20	40	65	20	23	45	0.7	

目标JIS



	Order No.	Type	Fig.	φd	φD1	φD2	L	L1	Insection Length C1	Insection Length C	N. W (Kg)	Price
●	A011116	HSK40E-PHC04S-60		4	14	33	60	23	19	44	0.32	
●	A011117	HSK40E-PHC06S-60		6	14	33	60	29	25	44	0.32	

注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具夹持长C
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank (ie: Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.

- 可供现货/ in stock
- 交货期短/ within a few days
- ▲ 可定制/ on request

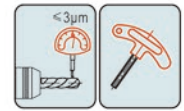




HSK高精度液压刀柄

A011112-A011225 订单号 Order NO.

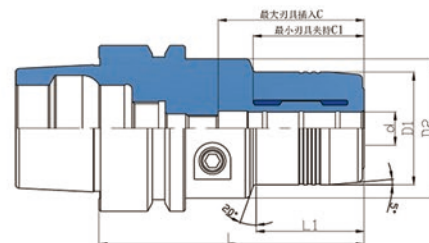
HSK HIGH PRECISION HYDRAULIC CHUCK
(DIN 69893)



HSK32E-40E-50E系列，轻巧，精度高。
小型加工中心上强力推荐。

HSK32E-40E-50E Series, Ultra-compact
and high precision.

Hydraulic chuck suitable for small
machining centers.



	Order No	Type	Φd	ΦD1	ΦD2	L	L1	Insection Length C1	Insection Length C	N. W (kg)	Price
●	A011112	HSK40E-PHC06-70	6	28	34	70	33	28	37	0.46	
●	A011113	HSK40E-PHC08-70	8	30	34	70	34	28	37	0.48	
●	A011114	HSK40E-PHC10-75	10	32	34	75	39	33	44	0.51	
●	A011115	HSK40E-PHC12-80	12	34	34	80	—	36	50	0.53	
●	A011211	HSK50E-PHC06-70	6	30	42	70	25.5	28	37	0.7	
●	A011212	HSK50E-PHC08-70	8	32	42	70	26	28	37	0.71	
●	A011213	HSK50E-PHC10-80	10	34	42	80	32.6	33	44	0.72	
●	A011214	HSK50E-PHC12-85	12	36	42	85	40	36	50	0.85	
●	A011215	HSK50E-PHC16-90	16	40	42	90	43	42	52	0.91	
●	A011216	HSK50E-PHC20-90	20	42	42	90	—	39	52	0.91	
●	A011217	HSK50E-PHC20-120	20	42	42	120	—	39	52	1.05	
○	A011219	HSK50A-PHC06-70	6	30	42	70	28	28	34	0.65	
○	A011220	HSK50A-PHC08-70	8	32	42	70	28	28	34	0.7	
●	A011221	HSK50A-PHC10-80	10	34	42	80	35	33	44	0.77	
●	A011222	HSK50A-PHC12-85	12	36	42	85	42	35	50	0.93	
●	A011223	HSK50A-PHC16-90	16	40	42	90	45	37	51	0.98	
○	A011224	HSK50A-PHC18-90	18	42	42	90	—	38	51	0.95	
●	A011225	HSK50A-PHC20-90	20	42	42	90	—	40	51	1.05	

注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加长C
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank (ie:Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.

- 可供现货/ in stock
- 交货期短/ within a few days
- ▲ 可定制/ on request





HSK高精度液压刀柄

A011310-A011336 订单号 Order NO.

HSK HIGH PRECISION HYDRAULIC CHUCK
(DIN 69893)

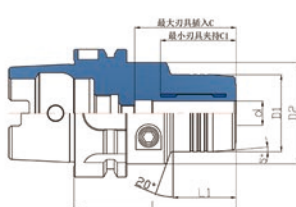
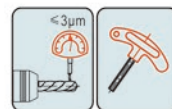


Fig1

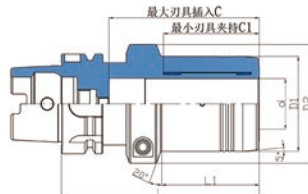


Fig2

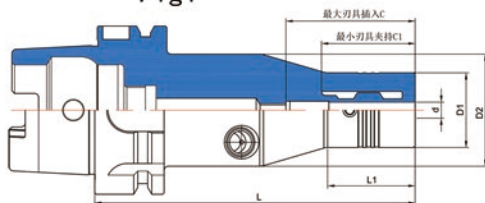


Fig3

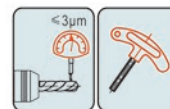
	Order No	Type	Fig.	Φd	ΦD1	ΦD2	L	L1	Insection Length C1	Insection Length C	Price
●	A011310	HSK63A-PHC03-65	1	3	25	46	65	19	18	—	
●	AJ011311	HSK63A-PHC04-80	1	4	30	48	80	24	23	56	
●	A011312	HSK63A-PHC06-80	1	6	32	48	80	32	29	46	
●	A011313	HSK63A-PHC08-80	1	8	34	50	80	32	30	46	
●	A011314	HSK63A-PHC10-80	1	10	36	52.5	80	32	31	50	
●	A011315	HSK63A-PHC12-80	1	12	38	52.5	80	32	32	50	
●	AJ011315	HSK63A-PHC14-90	1	14	40	52.0	90	40	42	54	
●	A011316	HSK63A-PHC16-90	1	16	42	52.5	90	41	40	60	
●	A011317	HSK63A-PHC20-90	1	20	46	52.5	90	41	40	52	
●	A011320	HSK63A-PHC06-120	3	6	28	42	120	33	35	48	
●	A011321	HSK63A-PHC08-120	3	8	30	44	120	33.5	36	48	
●	A011322	HSK63A-PHC10-120	3	10	32	46	120	33.5	38	54.5	
●	A011323	HSK63A-PHC12-120	3	12	34	48	120	33.5	38	54.5	
●	A011324	HSK63A-PHC16-120	3	16	38	50	120	41.5	43	65.5	
●	A011325	HSK63A-PHC18-120	3	18	42	50	120	37	46	66	
●	A011326	HSK63A-PHC20-120	3	20	43	50	120	44	40	53.5	
●	A011318	HSK63A-PHC25-120	2	25	53	63	120	55.5	49	85	
●	A011327	HSK63A-PHC32-125	2	32	60	75	125	60.5	61	92	
●	A011330	HSK63A-PHC06-150	3	6	28	42	150	33	35	48	
●	A011331	HSK63A-PHC08-150	3	8	30	44	150	33.5	36	48	
●	A011332	HSK63A-PHC10-150	3	10	32	46	150	33.5	38	54.5	
●	A011333	HSK63A-PHC12-150	3	12	34	48	150	33.5	38	54.5	
●	A011334	HSK63A-PHC16-150	3	16	38	50	150	41.5	43	65.5	
●	A011335	HSK63A-PHC18-150	3	18	42	50	150	37	46	66	
●	A011336	HSK63A-PHC20-150	3	20	43	50	150	44	40	53.5	

注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank.(ie:Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.

- 可供现货/ in stock
- 交货期短/ within a few days
- ▲ 可定制/ on request

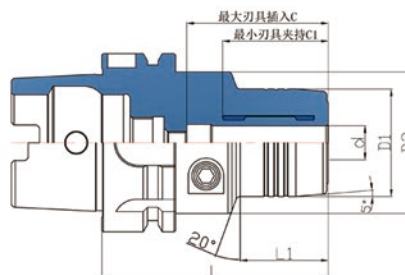




HSK高精度液压刀柄

A011406-AJ011414 订单号 Order NO.

HSK HIGH PRECISION HYDRAULIC CHUCK
(DIN 69893)



	Order No	Type	Φd	$\Phi D1$	$\Phi D2$	L	L1	Insection Length C1	Insection Length C	N.W (Kg)	Price
●	A011406	HSK100A-PHC06-85	6	32	50	85	30	35	47	2.46	
●	A011407	HSK100A-PHC06-150	6	28	50	150	85	29	40	2.82	
●	A011408	HSK100A-PHC08-85	8	34	50	85	30	36	47	2.48	
●	A011409	HSK100A-PHC08-150	8	34	50	150	31	36	55	2.95	
●	A011410	HSK100A-PHC10-90	10	36	52	90	32	36	51	2.6	
●	A011417	HSK100A-PHC10-150	10	36	52.5	150	31	37	58	3.25	
●	A011411	HSK100A-PHC12-95	12	38	52	95	38	40	51	2.64	
●	A011418	HSK100A-PHC12-150	12	38	52.5	150	31	37	57	3.57	
●	AJ011410	HSK100A-PHC14-105	14	40	56	105	35	45	65	2.7	
●	AJ011411	HSK100A-PHC14-150	14	40	56	150	31	47	75	2.6	
●	AJ011412	HSK100A-PHC16-105	16	42	58	105	40	43	54	3.6	
●	A011419	HSK100A-PHC16-150	16	42	58	150	40	43	54	3.7	
●	A011420	HSK100A-PHC18-105	18	42	58	105	30	40	60	3	
●	A011413	HSK100A-PHC20-105	20	43	68	105	45	40	53	3.01	
●	A011414	HSK100A-PHC20-150	20	46	60	150	44	46	67	3.73	
●	A011415	HSK100A-PHC25-110	25	53	63	110	54	49	72	3.18	
●	AJ011413	HSK100A-PHC25-150	25	54	68	150	44	50	64	3.8	
●	A011416	HSK100A-PHC32-110	32	62	75	110	54	53	72	3.59	
●	AJ011414	HSK100A-PHC32-150	32	62	75	150	45	55	66	3.9	

注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank.(ie:Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.

● 未涉及型号，可根据订单生产。
Specials on request

- 可供现货/ in stock
- 交货期短/ within a few days
- ▲ 可定制/ on request





HSK高精度液压刀柄

AJ011420-AJ011435 订单号 Order NO.

HSK HIGH PRECISION HYDRAULIC CHUCK
(DIN 69893)

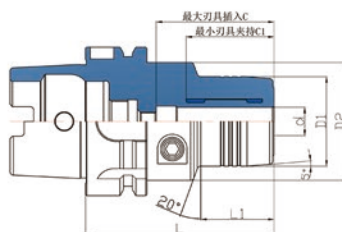
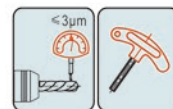


Fig1

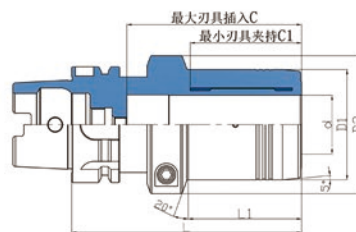


Fig2

	Order No	Type	Fig.	Φd	ΦD1	ΦD2	L	L1	Insection Length C1	Insection Length C	N. W (Kg)	Price
▲	A011311	HSK63A-PHC3.175-2.56"	1	3.175	0.98"	1.81"	2.56"	0.75"	0.71"	—		
▲	AJ011420	HSK63A-PHC1/4"-3.15"	1	1/4"	1.26"	1.91"	3.15"	1.28"	1.18"	1.83"		
▲	AJ011421	HSK63A-PHC5/16"-3.15"	1	5/16"	1.34"	1.99"	3.15"	1.28"	1.18"	1.83"		
▲	AJ011422	HSK63A-PHC3/8"-3.15"	1	3/8"	1.42"	2.07"	3.15"	1.28"	1.48"	1.97"		
▲	AJ011423	HSK63A-PHC1/2"-3.15"	1	1/2"	1.50"	2.07"	3.15"	1.28"	1.48"	1.97"		
▲	AJ011424	HSK63A-PHC5/8"-3.54"	1	5/8"	1.65"	2.05"	3.54"	1.65"	1.67"	2.36"		
▲	AJ011425	HSK63A-PHC3/4"-3.54"	1	3/4"	1.81"	2.05"	3.54"	1.65"	1.67"	2.01"		
▲	AJ011426	HSK63A-PHC1"-4.92"	2	1"	2.09"	2.48"	4.92"	2.22"	1.97"	3.35"		
▲	AJ011427	HSK63A-PHC1-1/4"-4.92"	2	1-1/4"	2.36"	2.95"	4.92"	2.42"	2.36"	3.74"		
▲	AJ011428	HSK100A-PHC1/4"-3.35"	1	1/4"	1.26"	1.97"	3.35"	1.28"	1.18"	1.83"		
▲	AJ011429	HSK100A-PHC5/16"-3.35"	1	5/16"	1.34"	1.97"	3.35"	1.28"	1.18"	1.83"		
▲	AJ011430	HSK100A-PHC3/8"-3.35"	1	3/8"	1.42"	2.05"	3.35"	1.28"	1.42"	1.83"		
▲	AJ011431	HSK100A-PHC1/2"-3.74"	1	1/2"	1.50"	2.05"	3.74"	1.48"	1.57"	1.97"		
▲	AJ011432	HSK100A-PHC5/8"-3.94"	1	5/8"	1.65"	2.28"	3.94"	1.52"	1.69"	2.13"		
▲	AJ011433	HSK100A-PHC3/4"-4.13"	1	3/4"	1.81"	2.36"	4.13"	1.79"	1.57"	2.09"		
▲	AJ011434	HSK100A-PHC1"-4.33"	2	1"	2.09"	2.48"	4.33"	2.24"	1.93"	2.83"		
▲	AJ011435	HSK100A-PHC1-1/4"-4.33"	2	1-1/4"	2.44"	2.95"	4.33"	2.24"	2.17"	2.83"		

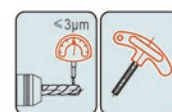
注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
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- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.

• 未涉及型号，可根据订单生产。
Specials on request

- 可供现货/ in stock
- 交货期短/ within a few days
- ▲ 可定制/ on request

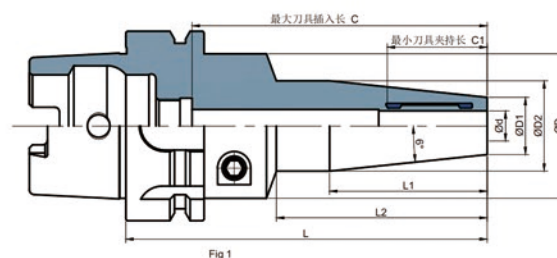




HSK高精度液压刀柄细长型

A013010-A013014 订单号 Order NO.

HSK HIGH PRECISION HYDRAULIC CHUCK
SUPER SLIM(DIN 69893)



	Order NO.	Type	Φd	ΦD1	ΦD2	ΦD	L	L1	L2	Insection Length C1	Insection Length C	N.W (kg)	Price
●	A013010	HSK63A-PHC04S-120	4	14	26	48	120	57	72	19	98	1.1	
●	A013011	HSK63A-PHC06S-120	6	14	26	48	120	57	70	25	98	1.1	
●	A013012	HSK63A-PHC08S-120	8	17	28	48	120	52	70	31	95	1.2	
●	A013013	HSK63A-PHC10S-120	10	19	30	48	120	52	70	33	94	1.2	
●	A013014	HSK63A-PHC12S-120	12	21	32	48	120	52	70	36	93	1.2	

⚠ 注意 Caution

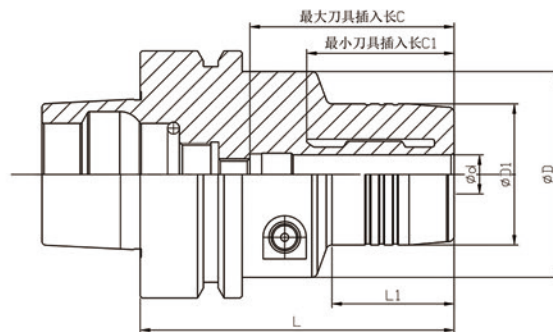
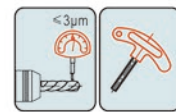
- 请使用柄径公差在h6以内的刀具
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- 禁止空锁
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- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.



HSK63F高精度液压刀柄

AJ011310-AJ011325 订单号 Order NO.

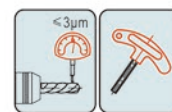
HSK63F HIGH PRECISION HYDRAULIC CHUCK



	Order NO.	Type	Φd	ΦD	ΦD1	L	L1	Insection Length C1	Insection Length C	Price
●	AJ11310	HSK63F-PHC06-80	6	48.5	32	80	31	30	46	
●	AJ11311	HSK63F-PHC08-80	8	50.5	34	80	31	30	46	
●	AJ11312	HSK63F-PHC10-80	10	52.5	36	80	31	38	50	
●	AJ11313	HSK63F-PHC12-90	12	52.5	38	90	31	37	50	
●	AJ11314	HSK63F-PHC16-90	16	52	42	90	40	42	60	
●	AJ11315	HSK63F-PHC20-90	20	52	46	90	42	40	52	
●	AJ11316	HSK63F-PHC25-120	25	63	53	120	55	49	85	
●	AJ11317	HSK63F-PHC32-125	32	74	60	125	60	56	95	
●	AJ11318	HSK63F-PHC1/4"-3.15"	1/4	48.5	32	80	31	30	46	
●	AJ11319	HSK63F-PHC5/16"-3.15"	5/16"	50.5	34	80	31	30	46	
●	AJ11320	HSK63F-PHC3/8"-3.15"	3/8"	52.5	36	80	31	38	50	
●	AJ11321	HSK63F-PHC1/2"-3.54"	1/2"	52.5	38	90	31	37	50	
●	AJ11322	HSK63F-PHC5/8"-3.54"	5/8"	52	42	90	40	42	60	
●	AJ11323	HSK63F-PHC3/4"-3.54"	3/4"	52	46	90	42	40	52	
●	AJ11324	HSK63F-PHC1"-4.72"	1"	63	53	120	55	49	85	
●	AJ11325	HSK63F-PHC1-1/4"-4.92"	1-1/4"	74	60	125	60	56	95	

注意 Caution

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BT高精度液压刀柄

A011510-A011520 订单号 Order NO.

BT HIGH PRECISION HYDRAULIC CHUCK
(JIS B 6339)

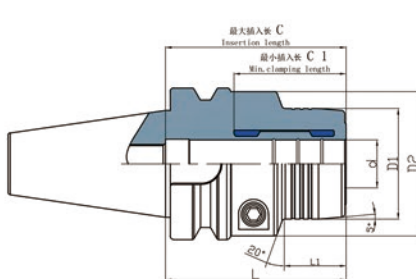


Fig1

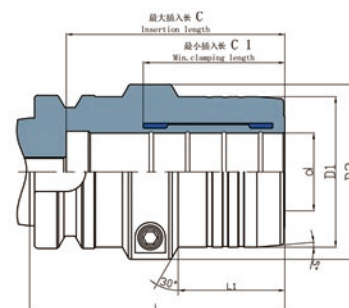


Fig2

	Order No	Type	Fig.	Φd	ΦD1	ΦD2	L	L1	Insection Length C1	Insection Length C	N. W (kg)	Price
●	A011510	BT30-PHC03-60	1	3	25	46	60	19	18	—	0.64	
●	A011511	BT30-PHC3.175-60	1	3.175	25	46	60	19	18	—	0.64	
●	A011512	BT30-PHC04-75	1	4	26	46	75	30	25	—	0.66	
●	A011513	BT30-PHC06-75	1	6	30	46	75	26	29	42	0.81	
●	A011514	BT30-PHC08-75	1	8	32	46	75	24	30	42	0.82	
●	A011515	BT30-PHC10-75	1	10	34	46	75	24	34	50	0.83	
●	A011516	BT30-PHC12-75	1	12	36	46	75	25	36	50	0.84	
●	A011521	BT30-PHC14-90	1	14	38	46	90	40	42	50	0.96	
●	A011517	BT30-PHC16-90	1	16	40	46	90	33	43	52	1	
●	A011522	BT30-PHC16-120	1	16	40	46	120	33	43	52	1.43	
●	A011523	BT30-PHC18-90	1	18	42	46	90	35	40	52	1.00	
●	A011518	BT30-PHC20-90	1	20	45	46	90	48	39	52	1.07	
●	A011524	BT30-PHC20-120	1	20	46	46	120	48	39	52	1.43	
●	A011519	BT30-PHC25-105	2	25	55	63	105	46	49	80	1.64	
●	A011520	BT30-PHC32-105	2	32	60	74	105	47	54	80	1.83	

注意 Caution

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BT高精度液压刀柄

A011610-A011627 订单号 Order NO.

BT HIGH PRECISION HYDRAULIC CHUCK
(JIS B 6339)

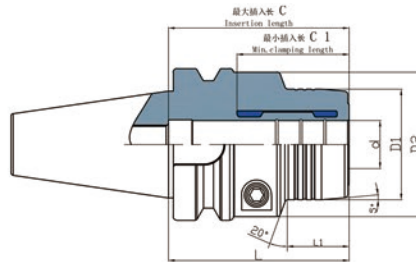
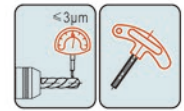


Fig1

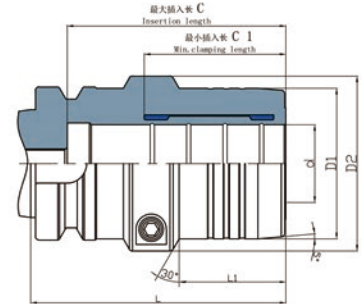


Fig2

	Order No	Type	Fig.	Φd	ΦD1	ΦD2	L	L1	Insection Length C1	Insection Length C	N. W (kg)	Price
●	A011610	BT40-PHC04-75	1	4	26	46	75	24	23	—	1.29	
●	A011611	BT40-PHC06-75	1	6	28	46	75	30	29	46	1.27	
●	A011612	BT40-PHC06-90	1	6	28	46	90	30	29	46	1.37	
●	A011628	BT40-PHC06-120	1	6	28	46	120	30	29	46	1.8	
●	A011613	BT40-PHC08-75	1	8	30	48	75	30	30	46	1.29	
●	A011614	BT40-PHC08-90	1	8	30	48	90	30	30	46	1.43	
●	A011629	BT40-PHC08-120	1	8	30	48	120	30	30	46	1.85	
●	A011615	BT40-PHC10-75	1	10	36	52	75	26	38	57	1.43	
●	A011616	BT40-PHC10-90	1	10	36	52	90	40	38	57	1.53	
●	A011630	BT40-PHC10-120	1	10	36	52	120	40	38	57	1.95	
●	A011617	BT40-PHC12-75	1	12	38	54	75	26	38	57	1.46	
●	A011618	BT40-PHC12-90	1	12	38	54	90	40	38	57	1.58	
●	A011631	BT40-PHC12-120	1	12	38	54	120	40	38	57	2.05	
●	A011619	BT40-PHC14-75	1	14	40	56	75	28	42	57	1.5	
●	A011632	BT40-PHC14-90	1	14	40	56	90	40	42	57	1.65	
●	A011620	BT40-PHC16-75	1	16	42	58	75	26	46	75	1.5	
●	A011621	BT40-PHC16-90	1	16	42	58	90	40	46	75	1.65	
●	A011633	BT40-PHC16-120	1	16	42	58	120	40	46	75	2.3	
●	A011622	BT40-PHC18-75	1	18	44	59	75	25	45	75	1.52	
●	A011634	BT40-PHC18-90	1	18	44	59	90	40	45	75	1.62	
●	A011623	BT40-PHC20-75	1	20	46	60	75	26	46	75	1.52	
●	A011624	BT40-PHC20-90	1	20	46	60	90	40	46	75	1.7	
●	A011635	BT40-PHC20-120	1	20	46	60	120	40	46	75	2.32	
●	A011626	BT40-PHC25-105	2	25	52	62	105	55	49	80	2	
●	A011627	BT40-PHC32-105	2	32	62	72	105	44	58	90	2.3	

注意 Caution

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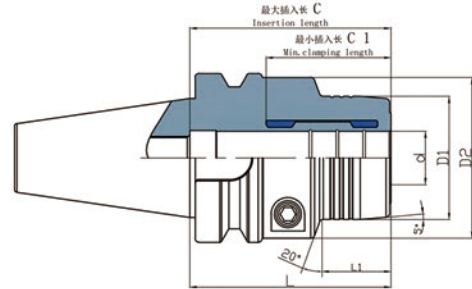
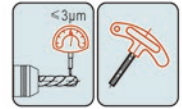
- 可供现货/ in stock
- 交货期短/ within a few days
- ▲ 可定制/ on request



BT高精度液压刀柄

A011810-A011827 订单号 Order NO.

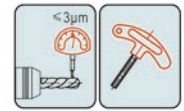
BT HIGH PRECISION HYDRAULIC CHUCK
(JIS B 6339)



	Order No.	Type	Φd	ΦD1	ΦD2	L	L1	Insection Length C1	Insection Length C	N.W (kg)	Price
●	A011810	BT50-PHC06-105	6	28	46	105	25	29	46	4.08	
●	A011811	BT50-PHC08-105	8	30	48	105	25	30	46	4.12	
●	A011812	BT50-PHC10-105	10	36	52	105	26	36	57	4.24	
●	A011813	BT50-PHC12-105	12	38	54	105	26	38	57	4.32	
●	A011818	BT50-PHC14-105	14	40	56	105	25	44	75	4.4	
●	A011814	BT50-PHC16-105	16	42	58	105	26	46	75	4.45	
●	A011820	BT50-PHC18-105	18	44	59	105	26	44	75	4.44	
●	A011815	BT50-PHC20-105	20	46	60	105	26	46	75	4.5	
●	A011816	BT50-PHC25-120	25	52	62	120	50	50	80	4.67	
●	A011817	BT50-PHC32-120	32	62	75	120	40	60	90	5.08	
●	A011819	BT50-PHC32-200	32	62	72	200	42.5	60	90	7.46	
●	A011820	BT50-PHC06-150	6	28	46	150	25	29	46	4	
●	A011821	BT50-PHC08-150	8	30	48	150	25	30	46	4.05	
●	A011822	BT50-PHC10-150	10	36	52	150	25	36	57	4.3	
●	A011823	BT50-PHC12-150	12	38	54	150	25	36	57	4.55	
●	A011824	BT50-PHC16-150	16	42	58	150	25	44	75	4.9	
●	A011825	BT50-PHC20-150	20	46	62	150	25	45	75	5.1	
●	A011826	BT50-PHC25-150	25	52	68	150	37.5	51	80	5.4	
●	A011827	BT50-PHC32-150	32	62.0	75	150	37.5	58	90	5.7	

注意 Caution

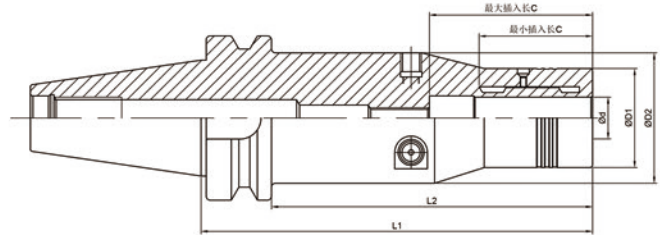
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BT高精度液压刀柄

A011628-A011644 订单号 Order NO.

BT HIGH PRECISION HYDRAULIC CHUCK
(JIS B 6339)

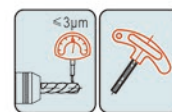


	Order NO.	Type	Φd	ΦD1	ΦD	L1	L2	Insection Length C1	Insection Length C	Price
●	A011628	BT40-PHC06-150	6	28	42	150	123	29	48.5	
●	A011629	BT40-PHC08-150	8	30	44	150	123	35	48	
●	A011630	BT40-PHC10-150	10	32	46	150	123	38	54.5	
●	A011631	BT40-PHC12-150	12	34	48	150	123	38	54.5	
●	A011632	BT40-PHC14-150	14	36	50	150	123	38	54.5	
●	A011633	BT40-PHC16-150	16	38	50	150	123	43	62.5	
●	A011634	BT40-PHC18-150	18	42	50	150	123	46	66	
●	A011625	BT40-PHC20-150	20	43	50	150	123	40	53.5	
●	A011635	BT40-PHC25-150	25	53	63	150	123	52	77.5	
●	A011636	BT40-PHC32-150	32	62	72	150	123	58	87.5	
●	A011637	BT50-PHC06-150	6	28	42	150	123	29	48.5	
●	A011638	BT50-PHC08-150	8	30	44	150	123	35	48	
●	A011639	BT50-PHC12-150	12	34	48	150	123	38	54.5	
●	A011640	BT50-PHC14-150	14	36	50	150	123	38	54.5	
●	A011641	BT50-PHC16-150	16	38	50	150	123	43	62.5	
●	A011642	BT50-PHC18-150	18	42	50	150	123	46	66	
●	A011643	BT50-PHC20-150	20	43	50	150	123	40	53.5	
●	A011644	BT50-PHC32-150	32	62	75	150	123	58	90	

注意 Caution

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- 可供现货/ in stock
- 交货期短/ within a few days
- ▲ 可定制/ on request



JBBT高精度液压刀柄

AJ011510-AJ011519 订单号 Order NO.

JBBT HIGH PRECISION HYDRAULIC CHUCK
(JIS B 6339)

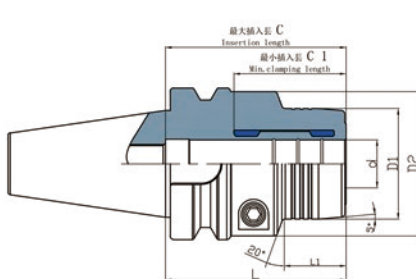


Fig1

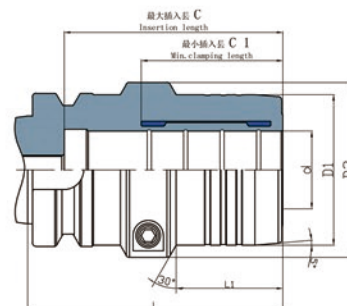


Fig2

	Order No	Type	Fig.	Φd	ΦD1	ΦD2	L	L1	Insection Length C1	Insection Length C	N.W (kg)	Price
●	AJ011510	JBBT30-PHC06-90	1	6	30	46	90	26	29	42	0.81	
●	AJ011511	JBBT30-PHC08-90	1	8	32	46	90	24	30	42	0.82	
●	AJ011512	JBBT30-PHC10-90	1	10	34	46	90	24	34	50	0.83	
●	AJ011513	JBBT30-PHC12-90	1	12	36	46	90	25	36	50	0.84	
●	AJ011514	JBBT30-PHC14-90	1	14	38	46	90	40	42	50	0.96	
●	AJ011515	JBBT30-PHC16-90	1	16	40	46	90	33	43	52	1	
●	AJ011516	JBBT30-PHC18-90	1	18	42	46	90	35	40	52	1.00	
●	AJ011517	JBBT30-PHC20-90	1	20	45	46	90	—	39	52	1.07	
●	AJ011518	JBBT30-PHC25-105	2	25	55	63	105	46	49	80	1.64	
●	AJ011519	JBBT30-PHC32-105	2	32	60	74	105	47	54	80	1.83	

注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C1
- Use only cutting tools that have a shank tolerance within h6
- Do not use with cutting tools made with a flat on the shank (ie:Weldon type shank)
- Do not clamp without a tool
- Always insert the cutting tool into the holder beyond min. clamping length C1



JBBT高精度液压刀柄

AJ011610-AJ011622 订单号 Order NO.

JBBT HIGH PRECISION HYDRAULIC CHUCK
(JIS B 6339)

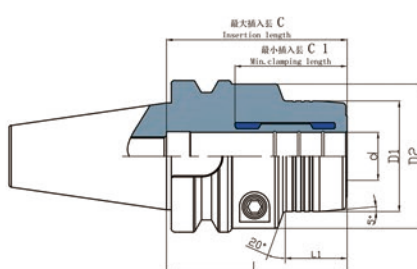
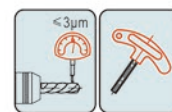


Fig1

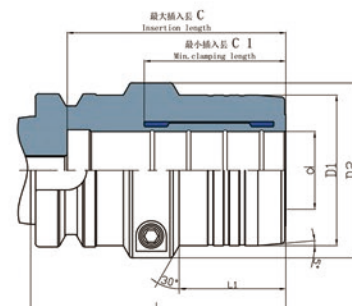
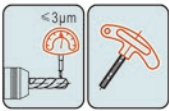


Fig2

	Order No	Type	Fig.	Φd	ΦD1	ΦD2	L	L1	Insection Length C1	Insection Length C	N. W (kg)	Price
●	AJ011610	JBBT40-PHC06-90	1	6	28	46	90	30	29	46	1.37	
●	AJ011611	JBBT40-PHC08-90	1	8	30	48	90	30	30	46	1.43	
●	AJ011612	JBBT40-PHC10-90	1	10	36	52	90	40	38	57	1.53	
●	AJ011613	JBBT40-PHC12-90	1	12	38	54	90	40	38	57	1.58	
●	AJ011614	JBBT40-PHC14-90	1	14	40	56	90	40	42	57	1.65	
●	AJ011615	JBBT40-PHC16-90	1	16	42	58	90	40	46	75	1.65	
●	AJ011616	JBBT40-PHC18-90	1	18	44	59	90	40	45	75	1.62	
●	AJ011617	JBBT40-PHC20-75	1	20	46	60	75	26	46	75	1.52	
●	AJ011620	JBBT40-PHC20-90	1	20	46	60	90	40	46	75	1.7	
●	AJ011619	JBBT40-PHC20-120	1	20	46	60	120	40	46	75	2.32	
●	AJ011621	JBBT40-PHC25-105	2	25	52	62	105	55	50	80	2	
●	AJ011622	JBBT40-PHC32-105	2	32	62	72	105	44	58	90	2.3	

注意 Caution

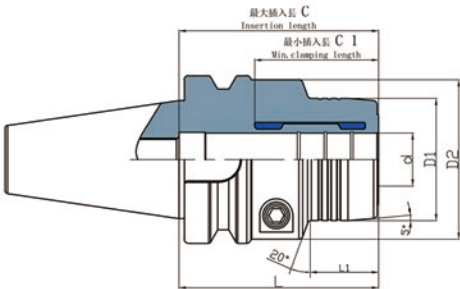
- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C1
- Use only cutting tools that have a shank tolerance within h6
- Do not use with cutting tools made with a flat on the shank (ie:Weldon type shank)
- Do not clamp without a tool
- Always insert the cutting tool into the holder beyond min. clamping length C1



JBBT高精度液压刀柄

AJ011810-AJ011825 订单号Order NO.

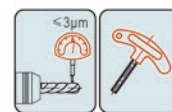
JBBT HIGH PRECISION HYDRAULIC CHUCK
(JIS B 6339)



	Order No	Type	Φd	ΦD1	ΦD2	L	L1	Insection Length C1	Insection Length C	N.W (kg)	Price
●	AJ011810	JBBT50-PHC06-105	6	28	46	105	25	29	46	4.08	
●	AJ011811	JBBT50-PHC08-105	8	30	48	105	25	30	46	4.12	
●	AJ011812	JBBT50-PHC10-105	10	36	52	105	26	36	57	4.24	
●	AJ011813	JBBT50-PHC12-105	12	38	54	105	26	38	57	4.32	
●	AJ011814	JBBT50-PHC14-105	14	40	56	105	25	44	75	4.4	
●	AJ011815	JBBT50-PHC16-105	16	42	58	105	26	46	75	4.45	
●	AJ011816	JBBT50-PHC18-105	18	44	59	105	26	44	75	4.44	
●	AJ011817	JBBT50-PHC20-105	20	46	60	105	26	46	75	4.5	
●	AJ011818	JBBT50-PHC25-120	25	52	62	120	50	50	80	4.67	
●	AJ011819	JBBT50-PHC32-120	32	62	75	120	40	60	90	5.08	
○	AJ011820	JBBT50-PHC06-150	6	28	46	150	25	29	46	4.5	
○	AJ011821	JBBT50-PHC08-150	8	30	48	150	25	30	46	4.54	
○	AJ011822	JBBT50-PHC10-150	10	36	52	150	25	36	57	4.66	
○	AJ011823	JBBT50-PHC12-150	12	38	54	150	25	36	57	4.74	
○	AJ011824	JBBT50-PHC16-150	16	42	58	150	25	44	75	4.82	
○	AJ011825	JBBT50-PHC20-150	20	46	62	150	26	46	75	4.85	

⚠ 注意 Caution

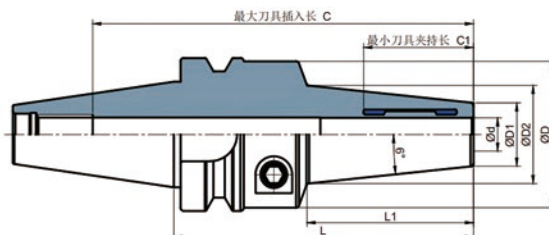
- 请使用柄径公差在h6以内的刀具
 - 请勿使用柄部有平面或缺口等的刀具
 - 禁止空锁
 - 刀具插入长度不能小于最小刀具加持长C1
- Use only cutting tools that have a shank tolerance within h6.
 - Do not use with cutting tools made with a flat on the shank (ie:Weldon type shank)
 - Do not clamp without a tool
 - Always insert the cutting tool into the holder beyond min. clamping length C1



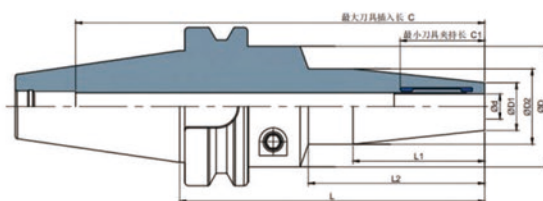
JBBT/BT高精度液压刀柄细长型笔形

A012910-A012922 订单号 Order NO.

BBT/BT HIGH PRECISION HYDRAULIC CHUCK
SUPER SLIM LONG (JIS B 6339)



	Order No	Type	Φd	ΦD1	ΦD2	ΦD	L	L1	Insection Length C1	Insection Length C	N.W (kg)	Price
●	A012910	BT30-PHC04S-90	4	14	25	42	90	50	19	113	0.66	
●	A012911	BT30-PHC06S-90	6	14	25	42	90	50	25	113	0.65	
●	A012912	BT30-PHC08S-90	8	17	28	42	90	50	31	113	0.67	
●	A012913	BT30-PHC10S-90	10	19	30	44	90	50	33	113	0.7	
●	A012914	BT30-PHC12S-90	12	21	32	46	90	50	36	113	0.72	
●	A012915	BT40-PHC04S-90	4	14	26	38	90	45	19	125	1.3	
●	A012916	BT40-PHC06S-110	6	14	27	38	110	60	25	145	1.3	
●	A012917	BT40-PHC08S-110	8	17	30	40	110	60	31	145	1.4	
●	A012918	BT40-PHC10S-110	10	19	32	42	110	60	33	145	1.4	
●	A012919	BT40-PHC12S-110	12	21	34	44	110	60	36	145	1.4	



	Order No	Type	Φd	ΦD1	ΦD2	ΦD	L	L1	L2	Insection Length C1	Insection Length C	N.W (kg)	Price
●	A012920	JBBT40-PHC06S-150	6	14	26	48	150	57	85	25	185	1.6	
●	A012921	JBBT40-PHC08S-150	8	17	28	50	150	52	85	31	185	1.7	
●	A012922	JBBT40-PHC10S-150	10	19	30	50	150	52	85	33	185	1.7	

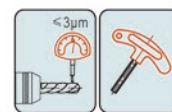
注意 Caution

- 请使用柄径公差在h6以内的刃具
- 请勿使用柄部有平面或缺口等的刃具
- 禁止空锁
- 刃具插入长度不能小于最小刃具夹持长C

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank (ie: Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.

- 可供现货/ in stock
- 交货期短/ within a few days
- ▲ 可定制/ on request

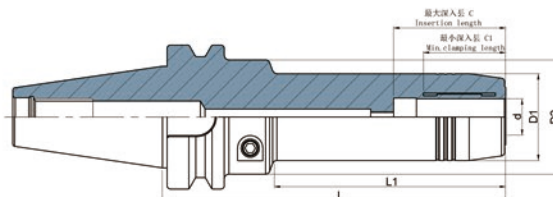




JBBT/BT高精度液压刀柄细长型

A011710-A011722 订单号 Order NO.

BBT/BT HIGH PRECISION HYDRAULIC CHUCK
SUPER SLIM (JIS B 6339)



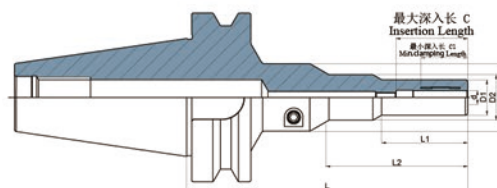
	Order No	Type	Φd	ΦD1	ΦD2	L	L1	Insertion Length C1	Insertion Length C	N. W (Kg)	Price
●	A011710	BT40-PHC06X-200	6	26	50	200	150	24	37	2.05	
●	A011711	BT40-PHC08X-200	8	28	50	200	150	24	37	2.1	
●	A011712	BT40-PHC10X-200	10	30	50	200	150	28	40	2.18	
●	A011713	BT40-PHC12X-200	12	32	50	200	150	34	45	2.3	
●	A011714	BT40-PHC20X-200	20	42	50	200	150	38	50	2.45	



	Order No	Type	Φd	ΦD1	ΦD2	L	L1	Insertion Length C1	Insertion Length C	N. W (Kg)	Price
●	A011715	BT30-PHC04X-120	4	26	46	120	70	24	35	1.1	
●	A011716	BT30-PHC06X-120	6	26	46	120	70	25	37	1.07	
●	A011717	BT30-PHC08X-120	8	28	46	120	70	25	37	0.9	
●	A011718	BT30-PHC10X-120	10	30	46	120	70	25	42	0.9	
●	A011719	BT40-PHC04X-150	4	26	46	150	100	24	35	2	
●	A011720	BT40-PHC06X-150	6	26	46	150	100	25	37	2.1	
●	A011721	BT40-PHC08X-150	8	28	46	150	100	25	37	2.1	
●	A011722	BT40-PHC10X-150	10	30	46	150	100	25	40	2.2	

A012810-A012813 订单号 Order NO.

JBBT/BT高精度液压刀柄细长台阶型
BBT/BT HIGH PRECISION HYDRAULIC CHUCK
SUPER SLIM (JIS B 6339)



	Order No	Type	Φd	ΦD1	ΦD2	ΦD3	L	L1	L2	Insertion Length C1	Insertion Length C	N.W (kg)	Price
●	A012810	BT40-PHC08L-200	8	21	27	40	200	50	100	24	40	1.67	
●	A012811	BT40-PHC10L-200	10	24	29	40	200	50	100	24	40	1.7	
●	A012812	BT50-PHC08L-330	8	21	27	40	330	50	215	24	40	5	
●	A012813	BT50-PHC10L-330	10	24	29	40	330	50	215	24	40	5.02	

注意 Caution

- 请使用柄径公差在h6以内的刃具
- 请勿使用柄部有平面或缺口等的刃具
- 禁止空锁
- 刃具插入长度不能小于最小刃具加持长C

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank (ie: Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.

- 可供现货/ in stock
- 交货期短/ within a few days
- ▲ 可定制/ on request





CAT高精度液压刀柄

AJ011710-AJ011737 订单号 Order NO.

CAT HIGH PRECISION HYDRAULIC CHUCK

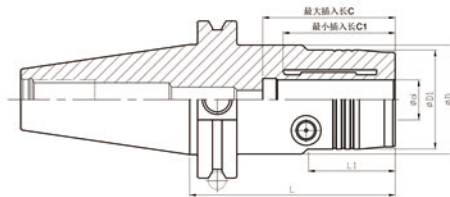
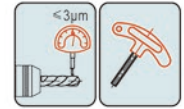


Fig1

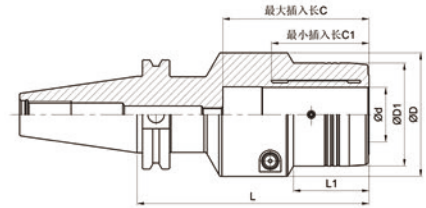


Fig2

	Order NO.	Type	Fig	Φd	ΦD1	ΦD	L	L1	Insection Length C1	Insection Length C	N. W (Kg)	Price
●	AJ011710	CAT40-PHC06-80.5	1	6	30	44	80.5	28	29	46		
●	AJ011711	CAT40-PHC08-80.5	1	8	32	44	80.5	31	30	46		
●	AJ011712	CAT40-PHC10-80.5	1	10	34	44	80.5	32	34	52		
●	AJ011713	CAT40-PHC12-80.5	1	12	36	44	80.5	32	34	52		
●	AJ011714	CAT40-PHC16-80.5	1	16	40	44	80.5	32	40	53		
●	AJ011715	CAT40-PHC20-80.5	1	20	44	44	80.5	63	40	53		
●	AJ011716	CAT40-PHC25-125	2	25	52	63	125	65	44	65		
●	AJ011717	CAT40-PHC32-125	2	32	58	63	125	65	47	65		

	Order NO.	Type	Fig	Φd	ΦD1	ΦD	L	L1	Insection Length C1	Insection Length C	N. W (Kg)	Price
○	AJ011720	CAT40-PHC1/4"-3.15"	1	1/4"	1.18"	1.73"	3.15"	1.28"	1.18"	1.83"		
○	AJ011721	CAT40-PHC5/16"-3.15"	1	5/16"	1.26"	1.73"	3.15"	1.28"	1.18"	1.83"		
○	AJ011722	CAT40-PHC3/8"-3.15"	1	3/8"	1.34"	1.73"	3.15"	1.28"	1.50"	1.97"		
○	AJ011723	CAT40-PHC1/2"-3.15"	1	1/2"	1.42"	1.73"	3.15"	1.28"	1.50"	1.97"		
○	AJ011724	CAT40-PHC5/8"-3.15"	1	5/8"	1.57"	1.73"	3.15"	1.28"	1.57"	2.01"		
○	AJ011725	CAT40-PHC3/4"-3.56"	1	3/4"	1.73"	1.73"	3.15"	2.42"	1.57"	2.01"		
○	AJ011726	CAT40-PHC1"-4.92"	2	1"	2.05"	2.48"	4.92"	2.56"	1.97"	2.40"		
○	AJ011727	CAT40-PHC1-1/4"-4.92"	2	1-1/4"	2.32"	2.48"	4.92"	2.56"	2.17"	2.60"		
○	AJ011728	CAT40-PHC1-1/2"-4.92"	2	1-1/2"	2.60"	3.07"	4.92"	1.73"	2.09"	2.95"		
○	AJ011730	CAT50-PHC1/4"-3.54"	1	1/4"	1.10"	1.81"	3.54"	1.02"	1.18"	1.83"		
○	AJ011731	CAT50-PHC5/16"-3.54"	1	5/16"	1.18"	1.89"	3.54"	1.02"	1.18"	1.83"		
○	AJ011732	CAT50-PHC3/8"-3.54"	1	3/8"	1.42"	2.05"	3.54"	1.02"	1.42"	2.24"		
○	AJ011733	CAT50-PHC1/2"-3.54"	1	1/2"	1.50"	2.13"	3.54"	1.02"	1.42"	2.24"		
○	AJ011734	CAT50-PHC5/8"-3.54"	1	5/8"	1.65"	2.28"	3.54"	1.10"	1.99"	2.56"		
○	AJ011735	CAT50-PHC3/4"-3.54"	1	3/4"	1.81"	2.36"	3.54"	1.10"	1.81"	2.56"		
○	AJ011736	CAT50-PHC1"-4.13"	2	1"	2.13"	2.60"	4.13"	1.50"	1.93"	2.56"		
○	AJ011737	CAT50-PHC1-1/4"-4.13"	2	1-1/4"	2.52"	2.83"	4.13"	1.65"	2.24"	3.15"		

注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C

- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank (ie: Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.

- 可供现货/ in stock
- 交货期短/ within a few days
- ▲ 可定制/ on request



SK高精度液压刀柄

AJ011910-AJ011929 订单号 Order NO.

SK HIGH PRECISION HYDRAULIC CHUCK
(DIN 69871)

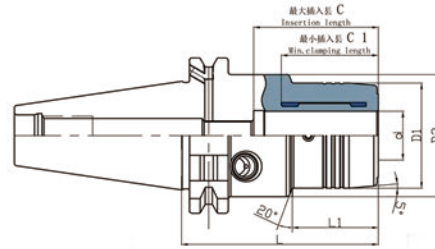
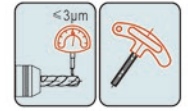


Fig1

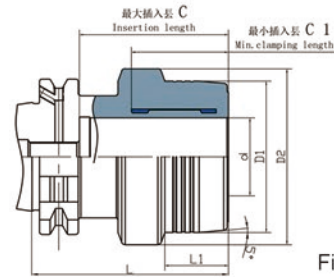


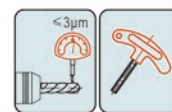
Fig2

	Order NO.	Type	Fig.	Φd	ΦD1	ΦD	L	L1	Insection Length C1	Insection Length C	N. W (Kg)	Price
●	AJ011910	SK30-PHC06-75	1	6	26	45	75	35	29	43	0.7	
●	AJ011911	SK30-PHC08-75	1	8	28	45	75	35	30	43	0.72	
●	AJ011912	SK30-PHC10-75	1	10	30	45	75	35	34	43	0.8	
●	AJ011913	SK30-PHC12-90	1	12	34	45	90	50	34	52	0.92	
●	AJ011914	SK30-PHC14-90	1	14	36	45	90	50	38	52	0.95	
●	AJ011915	SK30-PHC16-90	1	16	38	45	90	50	40	52	0.95	
●	AJ011916	SK30-PHC18-90	1	18	40	45	90	50	40	52	0.98	
●	AJ011917	SK30-PHC20-90	1	20	42	45	90	50	40	52	1.07	
●	A011910	SK40-PHC06-80.5	1	6	28	50	80.5	32	29	45	1.2	
●	A011911	SK40-PHC08-80.5	1	8	30	50	80.5	32	30	45	1.25	
●	A011912	SK40-PHC10-80.5	1	10	32	50	80.5	35	34	50	1.3	
●	A011913	SK40-PHC12-80.5	1	12	34	50	80.5	44	34	52	1.35	
●	A011914	SK40-PHC16-80.5	1	16	38	50	80.5	40	40	53	1.35	
●	A011915	SK40-PHC20-80.5	1	20	42	50	80.5	40	40	53	1.38	
●	A011916	SK40-PHC25-80.5	2	25	57	66	80.5	26	44	65	1.5	
●	A011917	SK40-PHC32-105	2	32	62	72	105	45	47	65	1.6	
●	AJ011920	SK50-PHC06-90	1	6	28	46	90	25	29	45	3.55	
●	AJ011921	SK50-PHC08-90	1	8	30	48	90	25	30	45	3.65	
●	AJ011922	SK50-PHC10-90	1	10	36	52	90	25	34	55	3.7	
●	AJ011923	SK50-PHC12-90	1	12	38	54	90	25	34	55	3.7	
●	AJ011924	SK50-PHC14-90	1	14	40	56	90	25	38	60	3.75	
●	AJ011925	SK50-PHC16-90	1	16	42	58	90	25	40	60	3.8	
●	AJ011926	SK50-PHC18-90	1	18	44	60	90	25	40	60	3.9	
●	AJ011927	SK50-PHC20-90	1	20	46	60	90	25	40	60	4	
●	AJ011928	SK50-PHC25-105	1	25	54	66	105	36	44	65	4.04	
●	AJ011929	SK50-PHC32-105	1	32	62	72	105	40	47	65	4.22	

⚠ 注意 Caution

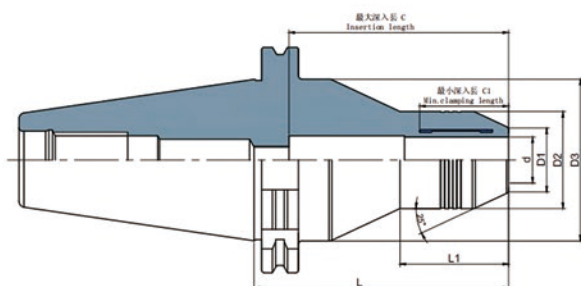
- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank.(ie:Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.





SK高精度液压刀柄-磨刀机专用

A011918-A011922 订单号 Order NO.

SK HIGH PRECISION HYDRAULIC CHUCK
(DIN 69871)-Grinding Holder

这款液压刀柄将为工具磨床提供最佳的磨削效果。微小的径向跳动和高超的重复精度，使磨削过程中均匀加工，磨削加工的刀具经过高精加工，使刀具刃部达到最佳尺寸精度。

这款液压刀柄主要用于加工刀具及修复刀具，重复精度 $4 \times D$ 处为0.003mm。

高精度磨削的刀具，有利于增加刀具的使用寿命，改善所加工工件的表面粗糙度，及提高切削速度，进给速度。从而达到节约刀具，提高生产效率的特性。

液压装置内部油腔特有的吸震功能，对于磨削过程中产生的震动，能够降低，使刀具磨削精度及表面更加完善。这款刀柄装夹操作简单，节约装夹时间。

The Hydraulic chuck will provide the best grinding results for the tool grinder. Small radial runout and superb repetition accuracy, so that the grinding process of uniform processing, grinding tool after high precision processing, so that the cutting edge of the best dimensional accuracy.

This hydraulic tool holder is mainly used for machining and repairing tools with a repetition accuracy of 0.003mm at $4 \times D$.

The high precision grinding tool is beneficial to increase the service life of the tool, improve the surface roughness of the machined workpiece, and improve the cutting speed and feed speed. In order to achieve cutting tool saving, improve production efficiency.

The unique shock absorption function of the oil chamber in the hydraulic device can reduce the vibration generated in the grinding process, so that the grinding accuracy and surface of the tool are more perfect. This kind of holder clamping operation is simple, saving clamping time.

	Order No	Type	Φd	ΦD1	ΦD2	ΦD3	L	L1	Insection Length C1	Insection Length C	N.W (kg)	Price
●	A011918	SK50-PHC12G-110	12	21.5	36.5	60	110	55	34	60	3.25	
●	A011919	SK50-PHC16G-110	16	24.5	39.5	60	110	60	39	60	3.4	
●	A011920	SK50-PHC20G-110	20	28	42	70	110	47	39	95	3.67	
●	A011921	SK50-PHC25G-110	25	33	50	70	110	55	45	95	3.77	
●	A011922	SK50-PHC32G-110	32	40	54	70	110	62	50	95	3.85	

! 注意 Caution

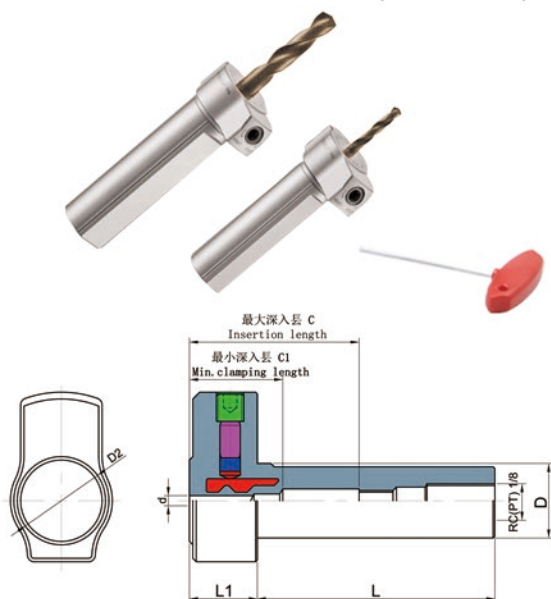
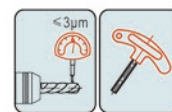
- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank.(ie:Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C.



走心机最佳高精度液压产品

A012510-A012860 订单号 Order NO.

THE BEST HIGH PRECISION HYDRAULIC CHUCK
FOR CNC AUTOMATIC LATHES(WELDON)



特点 Feature

- 刀具与刀具拆装不干涉
- 夹持范围 $\phi 3-\phi 8$
- 具有防震效果, 切削面良好
- 夹紧刀具时, 刀不会下沉
- 狭窄空间也可以快速换刀, 节省换刀时间
- The tool cutter and tool disassembly and assembly do not interfere
- Clamping range : $\phi 3-\phi 8$
- Anti-vibration effect, provides better surface
- The tool cutter does not sink when it is clamped
- The tool cutter can be changed quickly in the narrow space to save the time of changing the tool cutter

Order No	Type	Φd	ΦD	D2	L	L1	Insection Length C1	Insection Length C	N. W (kg)	Price
A012510	SLN19.05-PHC03-60	3	19.05	22	60	20	16	50	0.18	
A012520	SLN19.05-PHC04-60	4					19		0.18	
A012530	SLN19.05-PHC06-60	6					25		0.18	
A012540	SLN19.05-PHC08-60	8					31		0.16	
A012610	SLN20-PHC03-70	3	20		70		17		0.22	
A012620	SLN20-PHC04-70	4					20		0.22	
A012630	SLN20-PHC06-70	6					25		0.22	
A012640	SLN20-PHC08-70	8					28		0.21	
A012710	SLN22-PHC03-70	3	22		70		17		0.26	
A012720	SLN22-PHC04-70	4					20		0.26	
A012730	SLN22-PHC06-70	6					25		0.26	
A012740	SLN22-PHC08-70	8					28		0.25	
A012810	SLN25-PHC03-70	3	25		70		16		0.32	
A012820	SLN25-PHC04-70	4					19		0.32	
A012830	SLN25-PHC06-70	6					25		0.32	
A012840	SLN25-PHC08-70	8					31		0.31	
A012850	SLN25-PHC10-70	10					32		0.31	
A012860	SLN25-PHC12-70	12					32		0.3	

! 注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C1
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank. (ie: Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C1.

• 未涉及型号, 可根据订单生产。
Specials on request

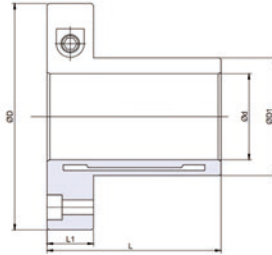




液压膨胀套

A013110-A013111 订单号 Order NO.

HYDRAULIC EXPANSION SLEEVE



	Order No	Type	Φd	ΦD	ΦD1	L	L1	N.W (kg)	Price
●	A013110	Φ40	40	100	52	75	20	1.35	
●	A013111	Φ52.15	52.15	110	67	100	30	2.4	

液压膨胀定制夹具

HYDRAULIC CUSTOMIZABLE EXPANSION FIXTURE

液压内胀夹具，通过液压驱动，使夹持部分向内膨胀，从而固定夹持工件。主要适用于精度要求高、细小薄壁零件，适用于于航天科技、液压马达轴套加工、汽车零件等领域的高精加工。

The hydraulic internal expansion fixture uses hydraulic pressure to drive the clamping part to expand inward, thereby securing the workpiece. It is primarily suitable for high-precision, small, and thin-walled parts, and is used in high-precision machining fields such as aerospace technology, hydraulic motor bushing processing, and automotive components.



可定制液压内胀夹具

产品特点：

- 夹持方便，旋转锁紧螺栓即可夹持工件。
- 夹持扭矩高，适用于较高切削力的夹持场景。
- 抗震性强，内有液压阻尼系统有效的降低了加工时所产生的震动，提高了加工产品的表面粗糙度。
- 均匀夹紧，防止变形，通过均匀径向膨胀夹紧工件内壁，促使产品不易变形。
- 重复夹紧精度高，液压系统每次装夹精度能够达到0.003MM以内，适用于超高精加工。
- 可以通过减径套，夹持多种规格外径的产品。

Product Features:

- The fixture offers convenient clamping by simply rotating the locking bolt to secure the workpiece.
- It provides high clamping torque, making it suitable for scenarios requiring high cutting forces.
- Its strong vibration resistance, enhanced by an internal hydraulic damping system, effectively reduces vibrations during machining and improves the surface finish of the processed products.
- The uniform clamping prevents deformation by evenly expanding radially to clamp the inner wall of the workpiece, ensuring the product remains stable.
- With high repeat clamping accuracy, the hydraulic system achieves a precision of within 0.003 mm per clamping, making it ideal for ultra-high precision machining.
- Additionally, it can clamp products of various outer diameters using reducing sleeves.

⚠ 注意 Caution

- 请使用柄径公差在h6以内的刀具
- 请勿使用柄部有平面或缺口等的刀具
- 禁止空锁
- 刀具插入长度不能小于最小刀具加持长C1
- Use only cutting tools that have a shank tolerance within h6.
- Do not use with cutting tools made with a flat on the shank.(ie:Weldon type shank)
- Do not clamp without a tool.
- Always insert the cutting tool into the holder beyond min. clamping length C1.





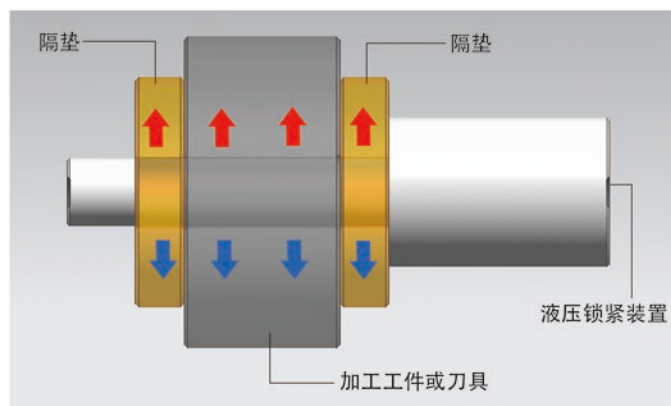
液压膨胀定制夹具

HYDRAULIC CUSTOMIZABLE EXPANSION FIXTURE



液压外胀夹具通过液压驱动，使夹持部分向外膨胀，从而固定所加工工件或者刀具。主要适用于精度要求高、复杂形状、薄壁零件等加工行业，适用于航天科技、液压马达、汽车等领域的磨加工、高精铣齿加工、产品检测等。

The hydraulic external expansion fixture uses hydraulic pressure to drive the clamping part to expand outward, thereby securing the workpiece or tool being processed. It is primarily suitable for industries requiring high precision, complex shapes, and thin-walled parts, and is used in fields such as aerospace technology, hydraulic motors, and automotive for grinding, high-precision gear milling, and product inspection.



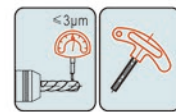
产品特点

- 高夹持力，适用于较高切削力的夹持场景。
- 抗震性强，内液压阻尼系统有效的降低了加工时所产生的震动，提高了加工产品的表面粗糙度。
- 均匀夹紧，防止变形，通过均匀径向膨胀夹紧工件内壁，促使产品不易变形。
- 重复夹紧精度高，液压系统每次装夹精度能够达到0.003MM以内，适用于超高精加工。

Product Features:

- High clamping force, suitable for clamping scenarios with high cutting forces.
- Strong vibration resistance, with an internal hydraulic damping system effectively reducing vibrations during machining and improving the surface roughness of the processed products.
- Uniform clamping prevents deformation by evenly expanding radially to clamp the inner wall of the workpiece, ensuring the product is less prone to deformation.
- High repeat clamping accuracy, with the hydraulic system achieving a precision of within 0.003 mm for each clamping, making it suitable for ultra-high precision machining.

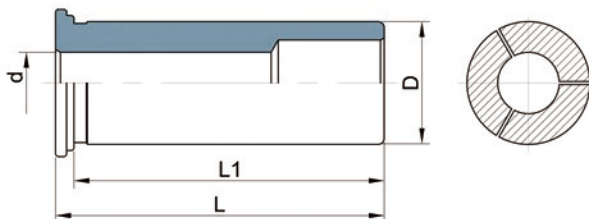




高精度液压减径套 (3槽)

A012010-A012225 订单号 Order NO.

REDUCTION SLEEVES (3 SLOTS)



优点 Advantages

- 径向跳动精度4D处TIR≤0.003 mm
Runout tolerance within 3 micron at 4xD diameters position
- HC12-25具有止水功能
HC12-25 are waterproof
- 一个刀柄满足多种夹持直径，以最佳成本控制最大程度的实现灵活性。

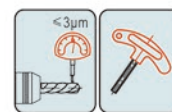
由于较高的扭矩，与直接夹持相比，金属切削量更高

Maximum flexibility with optimum cost control: one toolholder, several clamping diameters. A higher metal cutting volume than direct clamping, due to a higher torque.

可选配 Optional



Order No	Type	Φd	ΦD	L	L1	Price	Order No	Type	Φd	ΦD	L	L1	Price
● A012010	HC12-3	3	12	47	45		● A012127	HC25-5	5	25	58	55	
● A012011	HC12-4	4					● A012128	HC25-6	6				
● A012012	HC12-5	5					● A012129	HC25-7	7				
● A012013	HC12-6	6					● A012130	HC25-8	8				
● A012015	HC12-7	7					● A012131	HC25-9	9				
● A012014	HC12-8	8					● A012132	HC25-10	10				
● A012016	HC16-3	3	16	50	47		● A012133	HC25-11	11				
● A012017	HC16-4	4					● A012134	HC25-12	12				
● A012018	HC16-5	5					● A012135	HC25-13	13				
● A012019	HC16-6	6					● A012136	HC25-14	14				
● A012020	HC16-7	7					● A012137	HC25-15	15				
● A012021	HC16-8	8					● A012138	HC25-16	16				
● A012022	HC16-9	9					● A012139	HC25-17	17				
● A012023	HC16-10	10					● A012140	HC25-18	18				
● A012024	HC16-11	11					● A012141	HC25-19	19				
● A012025	HC16-12	12					● A012142	HC25-20	20				
● A012110	HC20-3	3	20	53.5	50.5		● A012210	HC32-6	6	32	64.5	61	
● A012111	HC20-3.175	3.175					● A012211	HC32-7	7				
● A012112	HC20-4	4					● A012212	HC32-8	8				
● A012113	HC20-5	5					● A012213	HC32-9	9				
● A012114	HC20-6	6					● A012214	HC32-10	10				
● A012115	HC20-7	7					● A012215	HC32-11	11				
● A012116	HC20-8	8					● A012216	HC32-12	12				
● A012117	HC20-9	9					● A012217	HC32-13	13				
● A012118	HC20-10	10					● A012218	HC32-14	14				
● A012119	HC20-11	11					● A012219	HC32-15	15				
● A012120	HC20-12	12	25	58	55		● A012220	HC32-16	16				
● A012121	HC20-13	13					● A012221	HC32-17	17				
● A012122	HC20-14	14					● A012222	HC32-18	18				
● A012123	HC20-15	15					● A012223	HC32-19	19				
● A012124	HC20-16	16					● A012224	HC32-20	20				
● A012125	HC25-3	3					● A012225	HC32-25	25				
● A012126	HC25-4	4											



高精度液压减径套 (4槽款)

A013510-A013925 订单号 Order NO.

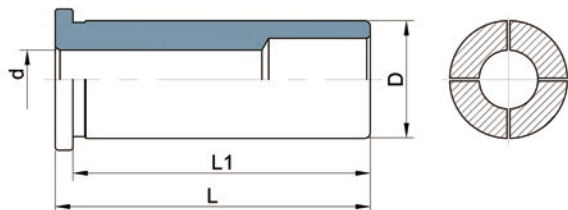
REDUCTION SLEEVES (4 SLOTS)



TYPE: A



TYPE: B



优点 Advantages

- 径向跳动精度4D处TIR≤0.003 mm
Runout tolerance within 3 micron at 4xD diameters position
- 此为液压刀柄通用款，能满足大部分品牌液压刀柄的止水功能
- This type can satisfied most hydraulic chuck of band and waterproofed
- 一个刀柄满足多种夹持直径，以最佳成本控制最大程度的实现灵活性。

由于较高的扭矩，与直接夹持相比，金属切削量更高

Maximum flexibility with optimum cost control: one toolholder, several clamping diameters. A higher metal cutting volume than direct clamping, due to a higher torque.

可选配 Optional



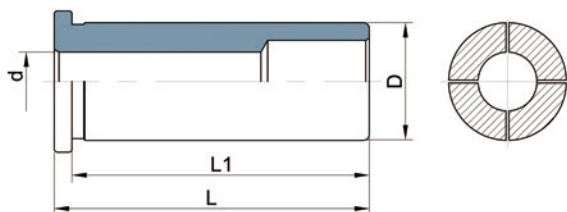
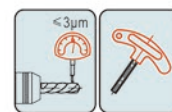
Order No	Type	φd	φD	L	L1	Price	Order No	Type	φd	φD	L	L1	Price
● A013510	HS12-3	3	12	44	40		● A013812	HS25-5	5	25	58	55	
● A013511	HS12-4	4					● A013813	HS25-6	6				
● A013512	HS12-5	5					● A013814	HS25-7	7				
● A013513	HS12-6	6					● A013815	HS25-8	8				
● A013515	HS12-7	7					● A013816	HS25-9	9				
● A013514	HS12-8	8					● A013817	HS25-10	10				
● A013610	HS16-3	3	16	50	46		● A013818	HS25-11	11				
● A013612	HS16-4	4					● A013819	HS25-12	12				
● A013613	HS16-5	5					● A013820	HS25-13	13				
● A013614	HS16-6	6					● A013821	HS25-14	14				
● A013615	HS16-7	7					● A013822	HS25-15	15				
● A013616	HS16-8	8					● A013823	HS25-16	16				
● A013617	HS16-9	9					● A013824	HS25-17	17				
● A013618	HS16-10	10					● A013825	HS25-18	18				
● A013619	HS16-11	11					● A013826	HS25-19	19				
● A013620	HS16-12	12					● A013827	HS25-20	20				
● A013710	HS20-3	3	20	54	50		● A013910	HS32-6	6	32	64.5	61	
● A013711	HS20-3.175	3.175					● A013911	HS32-7	7				
● A013712	HS20-4	4					● A013912	HS32-8	8				
● A013713	HS20-5	5					● A013913	HS32-9	9				
● A013714	HS20-6	6					● A013914	HS32-10	10				
● A013715	HS20-7	7					● A013915	HS32-11	11				
● A013716	HS20-8	8					● A013916	HS32-12	12				
● A013717	HS20-9	9					● A013917	HS32-13	13				
● A013718	HS20-10	10					● A013918	HS32-14	14				
● A013719	HS20-11	11					● A013919	HS32-15	15				
● A013720	HS20-12	12					● A013920	HS32-16	16				
● A013721	HS20-13	13					● A013921	HS32-17	17				
● A013722	HS20-14	14					● A013922	HS32-18	18				
● A013723	HS20-15	15					● A013923	HS32-19	19				
● A013724	HS20-16	16					● A013924	HS32-20	20				
● A013810	HS25-3	3					● A013925	HS32-25	25				
● A013811	HS25-4	4											



高精度液压减径套 (4槽款)

A013950-A013971 订单号 Order NO.

REDUCTION SLEEVES (4 SLOTS)



优点 Advantages

- 径向跳动精度4D处TIR≤0.003 mm
Runout tolerance within 3 micron at 4xD diameters position
- 此为液压刀柄通用款，能满足大部分品牌液压刀柄的止水功能
- This type can satisfied most hydraulic chuck of band and waterproofed
- 一个刀柄满足多种夹持直径，以最佳成本控制最大程度的实现灵活性。
由于较高的扭矩，与直接夹持相比，金属切削量更高

Maximum flexibility with optimum cost control: one toolholder, several clamping diameters. A higher metal cutting volume than direct clamping, due to a higher torque.

可选配 Optional



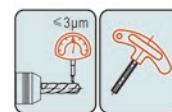
	Order No	Type	Φd	ΦD	L	L1	Price
●	A013950	HS3/4"-1/8"	1/8"	3/4"	2.10"	1.99"	
●	A013951	HS3/4"-3/16"	3/16"				
●	A013952	HS3/4"-1/4"	1/4"				
●	A013953	HS3/4"-5/16"	5/16"				
●	A013954	HS3/4"-3/8"	3/8"				
●	A013955	HS3/4"-7/16"	7/16"				
●	A013956	HS3/4"-1/2"	1/2"				
●	A013957	HS3/4"-9/16"	9/16"				
●	A013958	HS3/4"-5/8"	5/8"				
●	A013959	HS1.25"-1/8"	1/8"	1.25"	2.54"	2.40"	
●	A013960	HS1.25"-3/16"	3/16"				
●	A013961	HS1.25"-1/4"	1/4"				
●	A013962	HS1.25"-5/16"	5/16"				
●	A013963	HS1.25"-3/8"	3/8"				
●	A013964	HS1.25"-7/16"	7/16"				
●	A013965	HS1.25"-1/2"	1/2"				
●	A013966	HS1.25"-9/16"	9/16"				
●	A013967	HS1.25"-5/8"	5/8"				
●	A013968	HS1.25"-11/16"	11/16"				
●	A013969	HS1.25"-3/4"	3/4"				
●	A013970	HS1.25"-7/8"	7/8"				
●	A013971	HS1.25"-1"	1"				



高精度液压减径套（止水型）

A013210-A013414 订单号 Order NO.

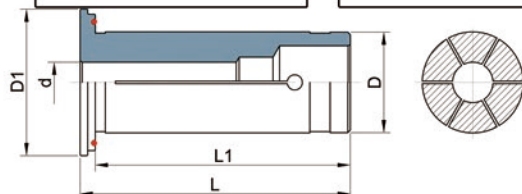
REDUCTION SLEEVES WITH COOLANT



TYPE: A



TYPE: B



优点 Advantages

- 径向跳动精度4D处TIR≤0.003 mm
Runout tolerance within 3 micron at 4xD diameters position
- 强大的止水功能，特有的结构，巧妙的提升了止水功能，端面密封圈在刀柄装夹时既能止水又能防尘
For internal coolant supply and the sealing ring can make toolholder clamping can not only sealing but also dust proof
- 夹持扭矩大，能够更好的提升刀具的切削力
Large torque, increase the cutting force of the tool
- 夹持精度高，特有的6等分，能够更好的提高夹持的精度，从而提升了刀具的使用寿命，节约生产成本
High clamping precision, increased tool life, save

可选配 Optional



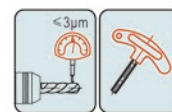
	Order No	Type	Φd	Φd	ΦD1	L	L1	Price
●	A013410	HX12-3	3	12	16.5	47	44	
●	A013411	HX12-4	4					
●	A013412	HX12-5	5					
●	A013413	HX12-6	6					
●	A013414	HX12-8	8	20	29	53.5	50.5	
●	A013210	HX20-3	3					
●	A013211	HX20-4	4					
●	A013212	HX20-5	5					
●	A013213	HX20-6	6					
●	A013214	HX20-7	7					
●	A013215	HX20-8	8					
●	A013216	HX20-9	9					
●	A013217	HX20-10	10					
●	A013218	HX20-11	11					
●	A013219	HX20-12	12					
●	A013220	HX20-13	13					
●	A013221	HX20-14	14	32	36.5	64	60.5	
●	A013222	HX20-15	15					
●	A013223	HX20-16	16					
●	A013310	HX32-6	6					
●	A013311	HX32-8	8					
●	A013312	HX32-10	10					
●	A013313	HX32-12	12					
●	A013314	HX32-14	14					
●	A013315	HX32-16	16					
●	A013316	HX32-18	18					
●	A013317	HX32-20	20	32	36.5	64	60.5	
●	A013318	HX32-25	25					



高精度液压减径套套装

A012310-A012319 订单号 Order NO.

REDUCTION SLEEVES SET



Order No	Type	Prepared collet	Price
A012310	HC20-7pcs	ø4、ø6、ø8、ø10、ø12、ø14、ø16、	
A012311	HC20-14pcs	ø3、ø4、ø5、ø6、ø7、ø8、ø9、ø10、ø11、ø12、ø13、ø14、ø15、ø16、	
A012312	HC20-15pcs	ø3、ø3.175、ø4、ø5、ø6、ø7、ø8、ø9、ø10、ø11、ø12、ø13、ø14、ø15、ø16、	
A012313	HC32-7pcs	ø6、ø8、ø10、ø12、ø16、ø20、ø25、	
A012314	HC32-9pcs	ø6、ø8、ø10、ø12、ø14、ø16、ø18、ø20、ø25、	
A012315	HC25-18pcs	ø3、ø4、ø5、ø6、ø7、ø8、ø9、ø10、ø11、ø12、ø13、ø14、ø15、ø16、ø17、ø18、ø19、ø20、	
A012316	HC16-10pcs	ø3、ø4、ø5、ø6、ø7、ø8、ø9、ø10、ø11、ø12、	
A012317	HC12-6pcs	ø3、ø4、ø5、ø6、ø7、ø8、	
A012318	HC3/4"-9pcs	1/8"、3/16"、1/4"、5/16"、3/8"、7/16"、1/2"、9/16"、5/8"	
A012319	HC1-1/4"-12pcs	3/16"、1/4"、5/16"、3/8"、7/16"、1/2"、9/16"、5/8"、11/16"、3/4"、7/8"、1"	

A012410-A012425 订单号 Order NO.

高精度液压刀柄套装

HYDRAULIC CHUCK SET



Aluminum box

Order NO.	Type	Collet	Prepared collet	Price
A012410	BT30-PHC20-6pc	HC20	ø4、ø6、ø8、ø10、ø12、ø16	
A012411	BT40-PHC20-6pc	HC20	ø4、ø6、ø8、ø10、ø12、ø16	
A012412	BT40-PHC32-7pc	HC32	ø6、ø8、ø10、ø12、ø16、ø20、ø25	
A012413	BT50-PHC20-6pc	HC20	ø4、ø6、ø8、ø10、ø12、ø16	
A012414	BT50-PHC32-7pc	HC32	ø6、ø8、ø10、ø12、ø16、ø20、ø25	
A012415	HSK63A-PHC20-6pc	HC20	ø4、ø6、ø8、ø10、ø12、ø16	
A012416	HSK63A-PHC32-7pc	HC32	ø6、ø8、ø10、ø12、ø16、ø20、ø25	
A012417	HSK100A-PHC20-6pc	HC20	ø4、ø6、ø8、ø10、ø12、ø16	
A012418	HSK63A-PHC3/4"-6pc	HC3/4"	3/16"、1/4"、5/16"、3/8"、1/2"、5/8"	
A012419	HSK63A-PHC1-1/4"-7pc	HC1-1/4"	1/4"、5/16"、3/8"、1/2"、5/8"、3/4"、1"	
A012420	HSK100A-PHC3/4"-6pc	HC3/4"	3/16"、1/4"、5/16"、3/8"、1/2"、5/8"	
A012421	HSK100A-PHC1-1/4"-7pc	HC1-1/4"	1/4"、5/16"、3/8"、1/2"、5/8"、3/4"、1"	
A012422	CAT40-PHC3/4"-6pc	HC3/4"	3/16"、1/4"、5/16"、3/8"、1/2"、5/8"	
A012423	CAT40-PHC1-1/4"-7pc	HC1-1/4"	1/4"、5/16"、3/8"、1/2"、5/8"、3/4"、1"	
A012424	CAT50-PHC3/4"-6pc	HC3/4"	3/16"、1/4"、5/16"、3/8"、1/2"、5/8"	
A012425	CAT50-PHC1-1/4"-7pc	HC1-1/4"	1/4"、5/16"、3/8"、1/2"、5/8"、3/4"、1"	

1. 每套包含1只液压刀柄，配备筒夹和六方扳手。
2. 包装盒为铝盒。
3. 规格还在继续更新。

1. Each set including 1pc each of hydraulic chuck, prepared collet and screw wrench.
2. Pack in strong aluminium box.
3. The type are still being updated.

