





AUTOGRIP MACHINERY COMPANY

AUTOGRIP machinery was established in 1989 in Taiwan. Our product lines focus on the power chucks, rotary cylinders and automatic clamping series. We provide the optimized solutions and services for our customers worldwide.

LOCATION OF AUTOGRIP

AUTOGRIP Machinery's main factory is located in Puxin, Changhua, Taiwan, covering an area of 13,223 square meters. It is equipped with advanced production equipment and serves as the company's R&D center, focusing on the production of small-volume, customized parts and new product development. We adhere to world-class standards to meet customer needs and ensure high customer satisfaction.

The second factory, located in Yunlin Technology Industrial Park, is an automated production line specializing in standard products. It mainly produces 6", 8", and 10" hollow power chucks and rotary hydraulic cylinders. With a focus on mass production, it meets the market demand for quick delivery.

AUTOGRIP'S BUSINESS PHILOSOPHY

With integrity and commitment, we provide the most professional products and services for the customers.



WE ARE FROM TAIWAN

All the products of AUTOGRIP are designed and made in our hometown-Taiwan. You can find that our products have a strong Taiwan spirit- solid and durable, with high rigidity and high precision.

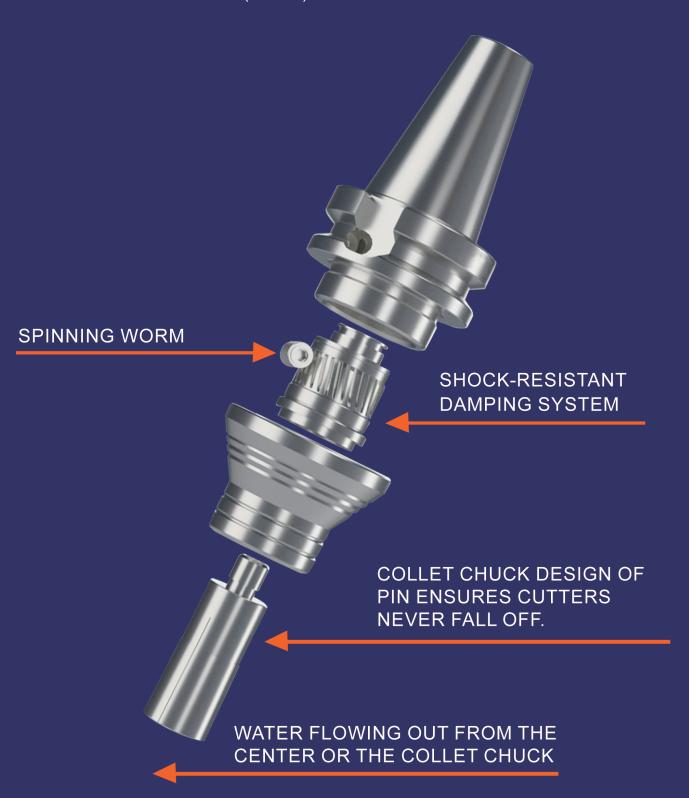
Our company has a good reputation in the industry. AUTOGRIP is devoted to providing the optimized solutions and service for the workpiece clamping needs.





TOOL HOLDER

PATENT NO.: M612643(TWIWAN) 2020227149133(CHINA)





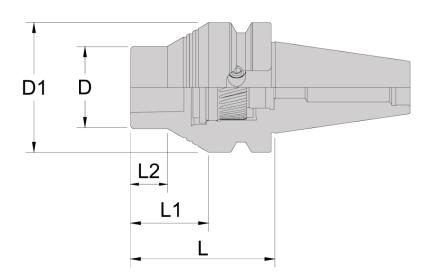
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XYBT-BBT40GPC20L070



- Provide the center coolant and the side coolant.
- Select the side coolant must to use the collet with coolant slot.
- C type Chuck is used for central outlet.
- Select the PIN Collet.
- Coolant can be sprayed directly into the edge of tool for quick cooling and remove the steel chip.
- At 2.5 magnification, the clamping accuracy is less than or equal to 0.003 mm.



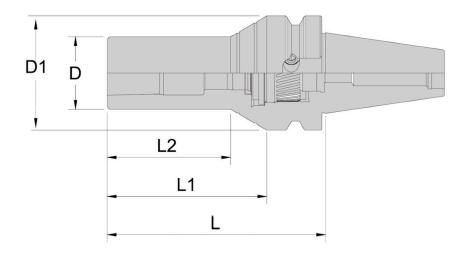
Subject to technical changes

MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYBT40GPC20L070	4~20	70	38	18	-	-	40	63	-	-
XYBBT40GPC20L070	4~20	70	38	18	-	-	40	63	-	-

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYBT40GPC20L070	20000	4MM	10NM		V	V	V
XYBBT40GPC20L070	20000	4MM	10NM		V	V	V



- Provide the center coolant and the side coolant.
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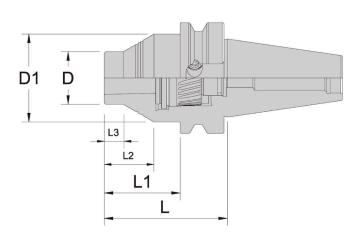
MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYBT40GPC20L120	4~20	120	89	68	-	-	40	63	-	-
XYBBT40GPC20L120	4~20	120	89	68	-	-	40	63	-	-

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYBT40GPC20L070	20000	4MM	10NM		V	V	V
XYBBT40GPC20L070	20000	4MM	10NM		V	V	V

XYBT-BBT40GPCI4L070



- Provide the center coolant and the side coolant.
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- C type Chuck is used for central outlet.
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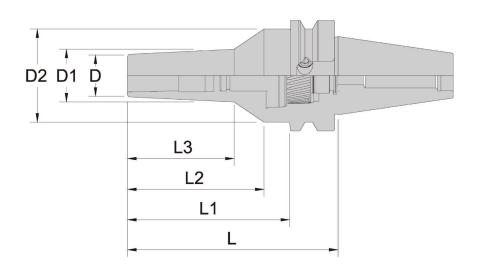
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MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYBT40GPC14L070	4~14	70	43	28	11	-	30	50	-	-
XYBBT40GPC14L070	4~14	70	43	28	11	-	30	50	-	-

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYBT40GPC14L070	20000	4MM	10NM		V	V	V
XYBBT40GPC14L070	20000	4MM	10NM		V	V	V



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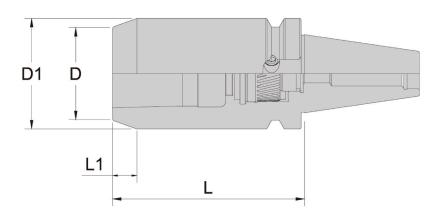
MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYBT40GPC14L120	4~14	120	93	78	61	-	24	30	53	-
XYBBT40GPC14L120	4~14	120	93	78	61	-	24	30	53	-

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYBT40GPC14L120	20000	4MM	10NM		V	V	V
XYBBT40GPC14L120	20000	4MM	10NM		V	V	V

XYBT-BBT40GPC32L110



- Provide the center coolant and the side coolant.
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- Select the PIN Collet.
- Coolant can be sprayed directly into the edge of tool for quick cooling and remove the steel chip.
- At 2.5 magnification, the clamping accuracy is less than or equal to 0.003 mm.



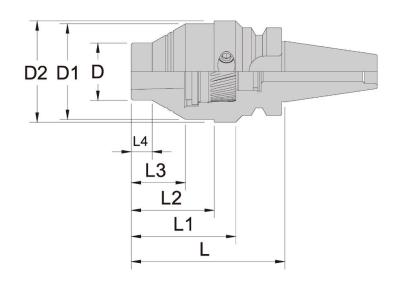
Subject to technical changes

MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYBT40GPC32L110	12~32	110	14	-	-	-	53	63	-	-
XYBBT40GPC32L110	12~32	110	14	-	-	-	53	63	-	-

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYBT40GPC32L110	20000	4MM	10NM		V	V	V
XYBBT40GPC32L110	20000	4MM	10NM		V	V	V



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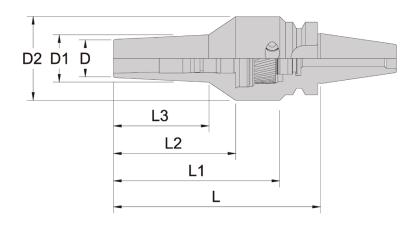
MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYBT30GPC14L080	4~14	82	56	43	28	11	30	50	53	-
XYBBT30GPC14L080	4~14	82	56	43	28	11	30	50	53	-

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYBT30GPC14L080	20000	4MM	10NM		V	V	V
XYBBT30GPC14L080	20000	4MM	10NM		V	V	V

XYBT-BBT30GPC14L130



- Provide the center coolant and the side coolant.
- Select the side coolant must to use the collet with coolant slot.
- C type Chuck is used for central outlet.
- Select the PIN Collet.
- Coolant can be sprayed directly into the edge of tool for quick cooling and remove the steel chip.
- At 2.5 magnification, the clamping accuracy is less than or equal to 0.003 mm.



Subject to technical changes

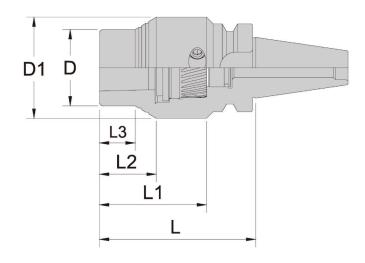
MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYBT30GPC14L130	4~14	131	105	78	61	-	24	30	53	-
XYBBT30GPC14L130	4~14	131	105	78	61	-	24	30	53	-

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYBT30GPC14L130	20000	4MM	10NM		V	V	V
XYBBT30GPC14L130	20000	4MM	10NM		V	V	V

XYBT-BBT30GPC20L080



- Provide the center coolant and the side coolant.
- Select the side coolant must to use the collet with coolant slot.
- C type Chuck is used for central outlet.
- Select the PIN Collet.
- Coolant can be sprayed directly into the edge of tool for quick cooling and remove the steel chip.
- At 2.5 magnification, the clamping accuracy is less than or equal to 0.003 mm.



Subject to technical changes

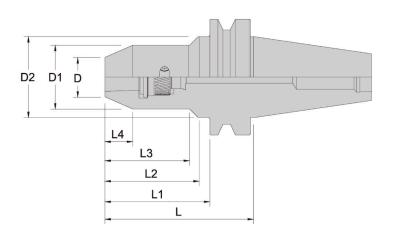
MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYBT30GPC20L080	4~20	82	56	30	19	-	40	53	-	-
XYBBT30GPC20L080	4~20	82	56	30	19	-	40	53	-	-

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYBT30GPC20L080	20000	4MM	10NM		V	V	V
XYBBT30GPC20L080	20000	4MM	10NM		V	V	V

XYBT-BBT50GPC20L130



- Provide the center coolant and the side coolant.
- Select the side coolant must to use the collet with coolant slot.
- C type Chuck is used for central outlet.
- Select the PIN Collet.
- Coolant can be sprayed directly into the edge of tool for quick cooling and remove the steel chip.
- At 2.5 magnification, the clamping accuracy is less than or equal to 0.003 mm.



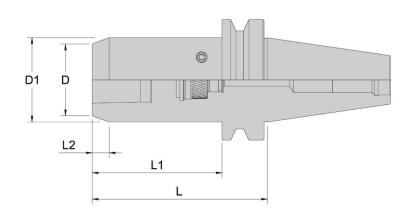
Subject to technical changes

MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYBT50GPC20L130	4~20	128	91	81	73	24	34	55	70	-
XYBBT50GPC20L130	4~20	128	91	81	73	24	34	55	70	-

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYBT50GPC20L130	20000	4MM	10NM		V	V	V
XYBBT50GPC20L130	20000	4MM	10NM		V	V	V



- Provide the center coolant and the side coolant.
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- Coolant can be sprayed directly into the edge of tool for quick cooling and remove the steel chip.
- At 2.5 magnification, the clamping accuracy is less than or equal to 0.003 mm.



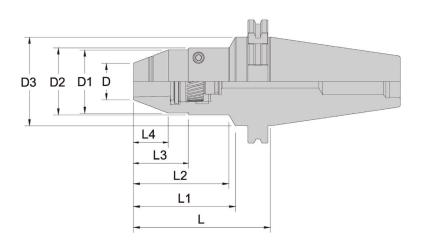
MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYBT50GPC32L150	12~32	145	108	14	-	-	60	70	-	-
XYBBT50GPC32L150	12~32	145	108	14	-	-	60	70	-	-

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYBT50GPC32L150	20000	4MM	10NM		V	V	V
XYBBT50GPC32L150	20000	4MM	10NM		V	V	V





- Provide the center coolant and the side coolant.
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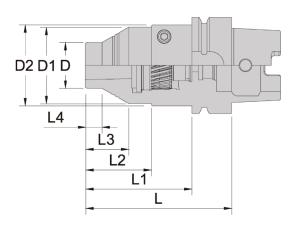


MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYSK50GPC20L110	4~20	108	81	76	43	28	29	50	53	70

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYSK50GPC20L110	20000	4MM	10NM		V	V	V



- Provide the center coolant and the side coolant.
- Select the side coolant must to use the collet with coolant slot.
- C type Chuck is used for central outlet.
- Select the PIN Collet.
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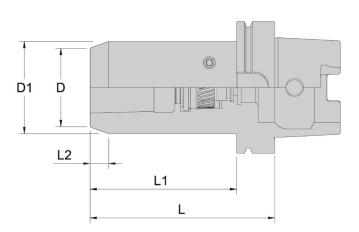
MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYHSK63AGPC14L095	4~14	95	70	43	28	-	30	50	53	-

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYHSK63AGPC14L095	20000	4MM	10NM		V	V	V

XYHSK100AGPC32L140



- Provide the center coolant and the side coolant.
- Select the side coolant must to use the collet with coolant slot.
- C type Chuck is used for central outlet.
- Select the PIN Collet.
- Coolant can be sprayed directly into the edge of tool for quick cooling and remove the steel chip.
- At 2.5 magnification, the clamping accuracy is less than or equal to 0.003 mm.



Subject to technical changes

MODEL	Range(d)	L	L1	L2	L3	L4	D	D1	D2	D3
XYHS100AGPC32L140	12~32	140	111	14	60	-	60	70	-	-

MODEL	min ⁻¹ G2.5	Spanner	Recommend Torsion	Torque Wrench	Center Coolant	Side Coolant	Pin Collet
XYHS100AGPC32L140	20000	4MM	10NM		V	V	V

GPC Collet - Clamping Depth

GPC Collet Type	Clamping Diameter (Ø for h6 Tolerance)	Min. Clamping Depth	Max.Clamping Depth
	4	17	66
CDC44	6	22	66
GPC14	8~10	30	50
	12~14	38	50
	4	17	66
CDC20	6	22	48.5
GPC20	8~10	30	48.5
	12~20	38	48.5
GPC32	16~32	47	60



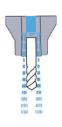




Center Coolant Delivery

Model	Ø (Clamping Handle Diameter)	Max. Clamping Depth	Coolant drainage
XYGPC14D04C	Ø4	66	Center Coolant
XYGPC14D06C	Ø6	66	Center Coolant
XYGPC14D08C	Ø8	50	Center Coolant
XYGPC14D10C	Ø10	50	Center Coolant
XYGPC14D12C	Ø12	50	Center Coolant
XYGPC14D14C	Ø14	50	Center Coolant





Side Coolant Delivery

Model	Ø (Clamping Handle Diameter)	Max. Clamping Depth	Coolant drainage
XYGPC14D04L	Ø4	66	Side Coolant
XYGPC14D06L	Ø6	66	Side Coolant
XYGPC14D08L	Ø8	50	Side Coolant
XYGPC14D10L	Ø10	50	Side Coolant
XYGPC14D12L	Ø12	50	Side Coolant
XYGPC14D14L	Ø14	50	Side Coolant





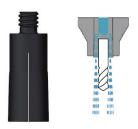


Center Coolant Delivery

Model	Ø (Clamping Handle Diameter)	Max. Clamping Depth	Coolant drainage
XYGPC20D04C	Ø4	66	Center Coolant
XYGPC20D06C	Ø6	66	Center Coolant
XYGPC20D08C	Ø8	48.5	Center Coolant
XYGPC20D10C	Ø10	48.5	Center Coolant
XYGPC20D12C	Ø12	48.5	Center Coolant
XYGPC20D14C	Ø14	48.5	Center Coolant
XYGPC20D16C	Ø16	48.5	Center Coolant
XYGPC20D18C	Ø18	48.5	Center Coolant
XYGPC20D20C	Ø20	48.5	Center Coolant



Model	Ø (Clamping Handle Diameter)	Max. Clamping Depth	Coolant drainage
XYGPC20D04L	Ø4	66	Side Coolant
XYGPC20D06L	Ø6	66	Side Coolant
XYGPC20D08L	Ø8	48.5	Side Coolant
XYGPC20D10L	Ø10	48.5	Side Coolant
XYGPC20D12L	Ø12	48.5	Side Coolant
XYGPC20D14L	Ø14	48.5	Side Coolant
XYGPC20D16L	Ø16	48.5	Side Coolant
XYGPC20D18L	Ø18	48.5	Side Coolant
XYGPC20D20L	Ø20	48.5	Side Coolant



Center Coolant & Pin Delivery

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Model	Ø (Clamping Handle Diameter)	Max. Clamping Depth	Pin	Coolant drainage			
XYGPC20D06CLP	Ø6	66	V	Center Coolant			
XYGPC20D08CLP	Ø8	48.5	V	Center Coolant			
XYGPC20D10CLP	Ø10	48.5	V	Center Coolant			
XYGPC20D12CLP	Ø12	48.5	V	Center Coolant			
XYGPC20D14CLP	Ø14	48.5	V	Center Coolant			
XYGPC20D16CLP	Ø16	48.5	V	Center Coolant			



Side Coolant & Pin Delivery



Model	Ø (Clamping Handle Diameter)	Max. Clamping Depth	Pin	Coolant drainage
XYGPC20D06LLP	Ø6	66	V	Side Coolant
XYGPC20D08LLP	Ø8	48.5	V	Side Coolant
XYGPC20D10LLP	Ø10	48.5	V	Side Coolant
XYGPC20D12LLP	Ø12	48.5	V	Side Coolant
XYGPC20D14LLP	Ø14	48.5	V	Side Coolant
XYGPC20D16LLP	Ø16	48.5	V	Side Coolant



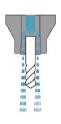


Center Coolant Delivery

Model	Ø (Clamping Handle Diameter)	Max. Clamping Depth	Coolant drainage
XYGPC32D12C	Ø12	59.5	Center Coolant
XYGPC32D16C	Ø16	59.5	Center Coolant
XYGPC32D20C	Ø20	59.5	Center Coolant
XYGPC32D25C	Ø25	59.5	Center Coolant
XYGPC32D30C	Ø30	59.5	Center Coolant
XYGPC32D32C	Ø32	59.5	Center Coolant

Side Coolant Delivery





		•		
	Model	Ø (Clamping Handle Diameter)	Max. Clamping Depth	Coolant drainage
	XYGPC32D12L	Ø12	59.5	Side Coolant
	XYGPC32D16L	Ø16	59.5	Side Coolant
	XYGPC32D20L	Ø20	59.5	Side Coolant
	XYGPC32D25L	Ø25	59.5	Side Coolant
ĺ	XYGPC32D30L	Ø30	59.5	Side Coolant
	XYGPC32D32L	Ø32	59.5	Side Coolant

Center Coolant & Pin Delivery

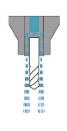




Model	Ø (Clamping Handle Diameter)	Max. Clamping Depth	Pin	Coolant drainage
XYGPC32D12CLP	Ø12	59.5	V	Center Coolant
XYGPC32D16CLP	Ø16	59.5	V	Center Coolant
XYGPC32D20CLP	Ø20	59.5	V	Center Coolant
XYGPC32D25CLP	Ø25	59.5	V	Center Coolant

Side Coolant & Pin Delivery

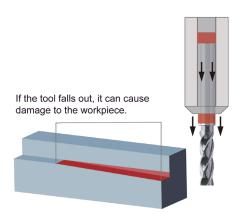




Model	Ø (Clamping Handle Diameter)	Max. Clamping Depth	Pin	Coolant drainage
XYGPC32D12LLP	Ø12	59.5	V	Side Coolant
XYGPC32D16LLP	Ø16	59.5	V	Side Coolant
XYGPC32D20LLP	Ø20	59.5	V	Side Coolant
XYGPC32D25LLP	Ø25	59.5	V	Side Coolant



- The GPC collet with a PIN design is used with a side lock (Weldon) shank (DIN 6535 HB).
- The entire assembly consists of the collet and a fixed stop pin.
- It ensures 100% tool retention and enhances production efficiency by improving the reliability of the system.
- This is the simplest mechanical solution.



Changes in cutting depth can still lead to workpiece damage.

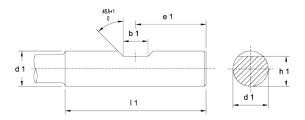


The toolholder design with a pin prevents the tool from falling out completely, allowing 100% retention of the tool and preventing damage to the workpiece.

DIN6535 HB

d1	b1	e1	h1	I1
h6	0.05	-1	h11	2
(mm)	(mm)	(mm)	(mm)	(mm)
6	4.2	18	5.1	36
8	5.5	18	6.9	36
10	7	20	8.5	40
12	8	22.5	10.4	45
14	8	22.5	12.7	45
16	10	24	14.2	48
18	10	24	16.2	48

d1=6-32mm











Limit screw

Model	Specification	Applicable Tool Diameter	Suitable Collet Type
LGLS001	40	Ø4~Ø6	GPC14~GPC20
LGLS002	30	Ø8~Ø20	GPC14~GPC20
LGLS003	30	Ø12~Ø32	GPC32





Model	Specification	Applicable Tool Diameter	Suitable Collet Type
LGPIN314	Ø3*14	Ø6~Ø14	GPC14~GPC20
LGPIN312	Ø3*12	Ø16	GPC14~GPC20
LGPIN426	Ø4*26	Ø16~Ø20	GPC32
LGPIN420	Ø4*20	Ø25	GPC32

Standard wrench



Model	Specification	Torque range	
LGGPCT10	4MM	10Nm	



CAUTION

- Follow the manufacturer's specified operating, assembly, and maintenance conditions. The product can only be used within the limits specified in the technical data, see the clamping range reference. Disregarding the minimum clamping depth may result in damage and loss of accuracy.
- The Hoffmann toolholder clamping range is suitable for cylindrically symmetric tool shafts. Shaft types: DIN1835 A, BDIN 6535 HA, HB shaft tolerance h6.
- When changing tools, it is recommended to use suitable protective gloves. Caution: If the minimum clamping depth is not observed, there is a risk of breakage (due to the danger of parts being ejected). When the tool tension is released, hold the tool to prevent it from falling out, which could damage the tool and the workpiece.
- Be sure to use only accessories and tools produced by the Hoffmann manufacturer or an authorized factory. Using externally produced tools or accessories may cause damage to Hoffmann products, resulting in losses for the parties involved.
- To ensure the functionality and safety of the Hoffmann toolholder, repairs can only be carried out by the manufacturer or an authorized factory representative. After the product is damaged or impacted, we recommend checking the toolholder and collet for any accuracy or other issues.
- After using the Hoffmann toolholder, clean the toolholder and collet, especially the internal and external tapers of the toolholder and the collet threads, using a cleaning agent. Adjust the cleaning interval based on the degree of contamination and environmental conditions. After cleaning, provide appropriate corrosion protection.



Toolholder Usage Instructions

1. Before use, please clean the inner surface of the toolholder and the collet using appropriate tools (note that during the cleaning process, avoid letting dirt particles enter the worm gear inside). Insert the tool into the collet. Use the rear limiting screw of the collet to adjust the tool length (the limiting screw is an optional accessory and not mandatory). Please refer to the above clamping range reference.





2. Use your hand to insert the collet into the toolholder and rotate it clockwise until the collet is connected to the body. To achieve the best accuracy and clamping force, please clean the inner and outer taper of the toolholder and collet each time you change the tool.





3. Insert a torque wrench into the slot on the side of the toolholder, rotate the wrench clockwise until the two arrows on the wrench surface align. (Please use the original torque wrench from the manufacturer to avoid unstable torque that may cause other issues. Check the hexagonal surface of the wrench for any damage before use.)











We reserve the right to modify the specifictions without prior notice.



Brijesh Patel - India AUTOGRIP MACHINERY CO., LTD.

Plot No. 198/2B, 199/4 ETC, Peruvoyal Village, Origins By Mahindra World City, Gummidipoondi Taluk, Thiruvallur District, Chennai-601206

T: +91 9867599055 / +91 9869432729

E: brijeshpatel@autogrip.com.tw

AUTOGRIP India Pvt Ltd Sales and Service Centre

Kiran Industries

Unit no. C-2, The Small Industries Co-operative Estate Ltd. (Laghu Udyog Kendra), I. B. Patel Road, Goregoan (East), Mumbai 400063, Maharashtra, India.

T: +91 9969884470 /+91 9867599055

E: brijeshpatel@autogrip.com.tw