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A STRONGHOLD BY PRECISION AND POWER.





*Di Chun Spirit – Our Heart is to be Tolerant of Diversity.*



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**Strong**<sup>AUTO</sup>

A STRONGHOLD BY PRECISION AND POWER.

**P15**  
**Scroll /  
Chuck  
Jaw Chuck**



**SC**  
3-jaw scroll chuck plain back, solid jaws.



**SIC**  
4-jaw scroll chuck plain back, solid jaws.



**SK**  
3-jaw strong scroll chuck plain back, 2-piece jaws.



**SIK**  
4-jaw strong scroll chuck plain back, 2-piece jaws.



**KD**  
3-jaw strong scroll chuck D1 camlock direct mounting, 2-piece jaws.



**KA**  
3-jaw strong scroll chuck A1 direct mounting, 2-piece jaws.



**SE**  
6-jaw scroll chuck plain back.

**P22**  
**Power  
Chuck**



**N-200**  
3-jaw through-hole power chuck. (adapter excluded)



**N-200A**  
3-jaw strong scroll chuck D1 camlock direct mounting, 2-piece jaws.



**NT-200**  
2-jaw through-hole power chuck. (adapter excluded)



**NIT-200**  
4-jaw through-hole power chuck. (adapter excluded)



**NHT-200**  
2 jaw and 3 jaw through-hole power chuck. (adapter included)



**NB-200A**  
3-jaw extra large through-hole power chuck. (adapter included)



**V**  
3-jaw wedge type non through-hole power chuck. (adapter excluded)



**VT&VIT**  
2-jaw and 4-jaw wedge type non through-hole power chuck. (adapter excluded)



**VA**  
3-jaw wedge type non through-hole power chuck. (adapter included)



**V(40"-79")**  
Large wedge type non through-hole power chuck. (adapter excluded)



**DV/DN**  
Vertical and vertical horizontal stationary power chuck.



**VRA**  
Non through-hole power chuck for vertical lathe (adapter included).



**P37**  
**Collet  
Chuck**



**CR**  
Collet chuck for cylindrical center mount.



**CRA**  
Collet chuck for short taper mount.



**P39**  
**Hydraulic  
Cylinder**



**M**  
High speed through-hole rotary hydraulic cylinder.



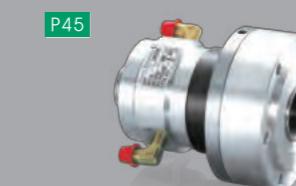
**MK**  
Super high speed through-hole compact rotary hydraulic cylinder.



**CM.B**  
Hydraulic cylinder coolant collector.



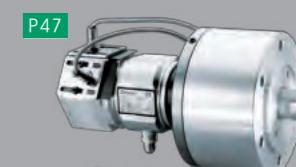
**ML-CM.B**  
Extra large through-hole rotary hydraulic cylinder.



**MM**  
High speed and compact through-hole rotary hydraulic cylinder



**MS**  
Non through-hole rotary hydraulic cylinder.(valve included)



**MS-C**  
Non through-hole rotary hydraulic cylinder. (valve and switch brackets included)



**MS250C/MS300C**  
Non through-hole rotary hydraulic cylinder. (valve and switch brackets included)



**MR**  
Short Type Non Through Hole Rotary Hydraulic



**MH**  
Non through-hole rotary hydraulic cylinder.

**P51**

## Soft & Hard Jaws



**HB4**

Boring mill jaw.



**ADAPTER**

Mounting adapter on short taper spindle noses DIN55026.



**T-UNITS**

Suitable for power chuck.



**SKC**

Soft jaw for strong scroll chuck.



**HC**

Soft jaw for hydraulic power chuck.



**HJ**

Hard jaw for hydraulic power chuck.

## P58 Special Purpose Power Chucks



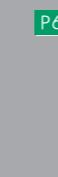
**F52**

High speed and light weight type strong finger chuck for aluminum wheel.



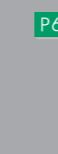
**F61**

High speed and light weight type strong finger chuck for aluminum wheel.



**F66**

High speed and light weight type strong finger chuck for aluminum wheel.



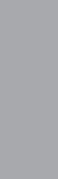
**BL**

3-jaw ball swing lock chuck.



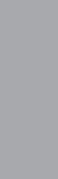
**DR**

3-jaw draw down power chuck.



**P165**

Floating plate center chuck.



**HN**

3-jaw extra high speed through-hole power chuck. (adapter included)



## Customer First, Employee's Need, It is Di Chun's Core Value of Management.

A sincere enterprise that is worthy to trust-Di Chun.

Traditional spirit, innovative technology; people-oriented and treat them as family; solid our career in Taiwan and exploring the world.

Past 40 years, Di Chun insists the spirit of "Quality to be the must and customer must to be the first; do the right thing; seeking the truth and finding the cause" applied to manufacturing various kind of accurate products. We rapidly rose from small or medium-sized companies and factories, but today we are wide continuously recognized and have been honored by supplying worth-trust machine tool equipment to many users.

Di Chun expanded in 1992 and established the brand "Auto Strong" which has a meaning of being precise and strong as eagle's claw, in order to emphasize the quality and high performance of Di Chun products, this is our value to focus on research, development and innovation, solid our career in Taiwan then head to the international machine tool equipment market; meanwhile, the precise production process were compliments by our customers.

Until now, Di Chun not only insist strict quality control, but emphasize the six policies of "personal cultivating, innovation constantly, flexible thinking, uplift the career, global vision, outstanding products" symbolizes the contemplation of Di Chun "Head to the global market and Taiwan will be known everywhere."

The competition advantage is the capital for most business, but what support Di Chun to sustainable development is a team united as a strong family. We insist a concept of "tolerance diversity, placing every employee to the right position", in order to advance the ability, we create a comfortable working environment, training them to be specialist and share the profit together. There is an ancient Chinese saying: "If people's hearts together, the great mountain can be moved", Di Chun policy is based on traditional Taiwanese spirits which is serious and responsible, and completely reflected the best quality of "Made in Taiwan".

Di Chun represents the culture of "people-oriented" and participate this policy in various aspects: "Traditional spirits, based on honor, reliable quality; new concepts, understanding the trend of the world; advanced technology, research innovative, challenge beyond the limit."

Today, Di Chun persists developing product perfect than ever not only by approved by ISO & CE, but severe self-demanding , This is what we perform and doubtless we have confidence that we are going to be the top one machine tool equipment manufacturer in the future.

This is Di Chun, create miracles, worth trusting.



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## Innovation is recorded by time

Di Chun is proud of its achievement today, but not complacent, because every step along the way was hard, these were earned carefully.

Besides treasuring what we have now, also remind ourselves through the past experience. Challenge our limit at every moment. Let innovation is recorded by time.



**1970**

- 1974 Established Yong Yu Machinery Factory on Zhenxing Rd. in Taichung, and manufactured 3-jaw scroll chucks professionally.  
1976 Quality was affirmed by the machine tool maker, and 3-jaw scroll chucks started being mass produced.  
1977 The group changed and established Di Chun Iron Work Co., LTD., and expanded business by relocating the factory to Yonghe St. in Taichung City. The R&D Department was established, and a range of interchangeable chuck jaws for hydraulic chucks were successfully developed.  
1978 Purchased CNC lathes and Machining Centers, production becomes fully automated.

**1980**

- 1980 Cooperated with ONO Machine & Tool Co. Ltd., as a joint venture, and successfully entered into the Japanese market.  
1982 Researched and developed special purpose precision drilling machine and entered into the business operations.  
1984 The operation of the whole factory was upgraded to computerized data management.  
1987 Along with the government, the strategic components strategic standards were promoted and also entered into the research of jaws for CNC lathe chucks.  
1988 Successfully researched and developed hydraulic 3-jaw scroll chucks and super high-speed rotary hydraulic cylinders for CNC lathes in cooperation with the Mechanical and Systems Research Laboratories of Industrial Technology Research Institute.

**1990**

- 1991 Awarded the approval of MCS (Mechanical Component Standard) certification.  
1992 Expanded the company's operations, and increased the capital to NT\$ 50 million, and relocated to Wu Jih Factory. Entered into the international automation equipment market.  
1993 Established Beijing and Shenyang offices in mainland China. Promoted total quality control. Adopted 100% Meehanite for the main body of the 3-jaw scroll chucks.  
1995 Passed the CE (Conformité Européenne) marking certification. The company officially changed the Chinese name to Di Chun Iron Work Co., LTD. (the English name remained the same). Products honored with Golden Tripod Award by the Air/Oil Hydraulic Society.  
1996 Passed the ISO-9002 Quality Assurance System certification.  
1997 Researched and developed the following items: M2511 high-speed rotary hydraulic cylinders (15"), MS Non through-hole rotary hydraulic cylinders with built-in safety device, MSC Non through-hole rotary hydraulic cylinders with built-in safety & detection device, and CT42 precision collet chucks.  
1998 Researched and developed: V218 Non through-hole hydraulic chucks.  
1999 Researched and developed: V244 Non through-hole hydraulic chucks.

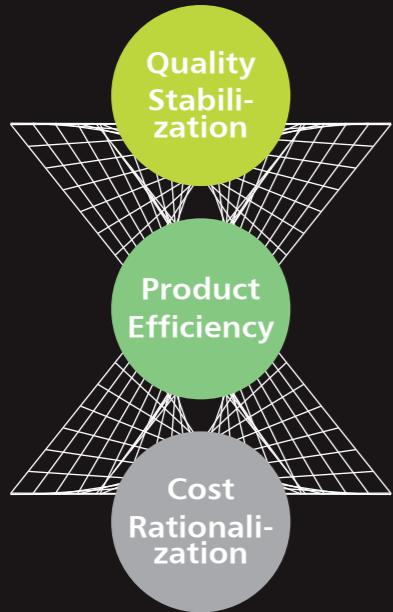
**2000**

- 2000 Researched and developed: finger chucks for aluminum wheels.  
2001 Researched and developed: MM0933 and MM1033 through-hole rotary hydraulic cylinders.  
2002 Researched and developed in June: HN06 ten thousand rpm hydraulic chucks and HG296 ten thousand rpm hydraulic cylinders. Passed the ISO-9001 Quality Assurance System certification in September.  
2003 Researched and developed: HB4 boring mill, P165 floating plate center chuck, and N204- and NB-series extra-large through-hole chucks.  
2004 Expanded the factory complex. Researched and developed: DR-series draw down chucks and BL-series ball swing lock chucks.  
2005 Researched and developed: F52 12"-18" finger chucks for aluminum wheels.  
2006 Researched and developed: F61 13"-22" and F66 17"-24" finger chucks for aluminum wheels.  
2007 Researched and developed: V240(1000mm) Non through-hole hydraulic chucks and MS250C Non through-hole rotary hydraulic cylinders.  
2008 Researched and developed: V250(1250mm) Non through-hole hydraulic chuck and VE263(1600mm) extra-large vertical lathe Non through-hole chucks.  
2009 Researched and developed: ML-2816 extra-large through-hole rotary hydraulic cylinders.

**2010**

- 2010 Researched and developed: ML-3320 extra-large through-hole rotary hydraulic cylinders.  
2011 Researched and developed: VE 279(2000mm) Non through-hole hydraulic chucks and MS300C Non through-hole rotary hydraulic cylinders.  
2012 Researched and developed: PB-ES600-275 pneumatic power chucks and MR250 Non through-hole compact rotary hydraulic cylinders.  
2013 Researched and developed: PB-ES850-375 pneumatic power chucks and the factory was relocated to Precision Machinery Park to expand its operations.





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## Precise Manufacturing Process

Chuck is the main component of the lathe; it's not only lightweight and resilient, but also stable and solid.

Di Chun always insist traditional principle: "Quality Stabilized", "Energy Efficiency", "Standard specification", and fully understand the trend of the world, in order to transcend the limit of our manufacture process, which based on innovative ideas and advanced technology.





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## Product Advantages

- It is smaller and lighter than the regular products, and it is more stable during high speed rotation, reduce the spindle loading.
- Manufactured by aluminum alloy, it is lightweight, the machine can elaborate its features, and equipped with a safety lock mechanism.
- Parts standardization, high-speed, high clamping force, easy to assemble operation, and durable.
- Low noise, pollution-free.



## Strict Quality Control

Even the precise manufacturing process still need the strict quality control, Di Chun does not only get several domestic rewards, but also approved by CE & ISO-9001 certifications. Di Chun insists its quality control through the tool of IMPACT Three Dimensional Testing and TESA Height Gauge to offer the best product to customers.



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## ***“Auto Strong” Well-known Reputation over 20 Years***

20 years ago, when most Taiwanese enterprises which making a decision between OEM, ODM or OBM, Di Chun already insight for developing its own brand, “AUTO STRONG” was established by creativity and innovation. Di Chun has possessed 70% domestic market and become the pioneer beyond its competitors during a decade.

These achievements are created by all Di Chun members together.

Di Chun’s foundation is based on our professional team work. In 1995, Di Chun was ahead of competitors to entering the European market by CE certification and domestic award.

Di Chun, a world-class factory, a symbol of good quality and a professional developing create the reliable product worldwide such as Great Britain, United States, Germany, Italy, China, Thailand, Indonesia, Malaysia, Japan, Brazil, Soviet Union, Singapore and get good reputation from them.

Marketing construction and sales network built by professional team and become the pioneer among the realm of machine tool equipment manufacturing. Besides, Auto Strong products focus not only on high quality, but excellence.

Even global changed itself rapidly, Di Chun insist one policy, developing new product, display our highly efficiency and professional, and create our value to the top level. Auto Strong, as precise as eagle’s claw, is what Di Chun shows and captures customer’s hearts.

Di Chun, create miracles, worth trusting.







## SK

### 3-jaw strong scroll chuck plain back, 2-piece jaws (front and back mounted)

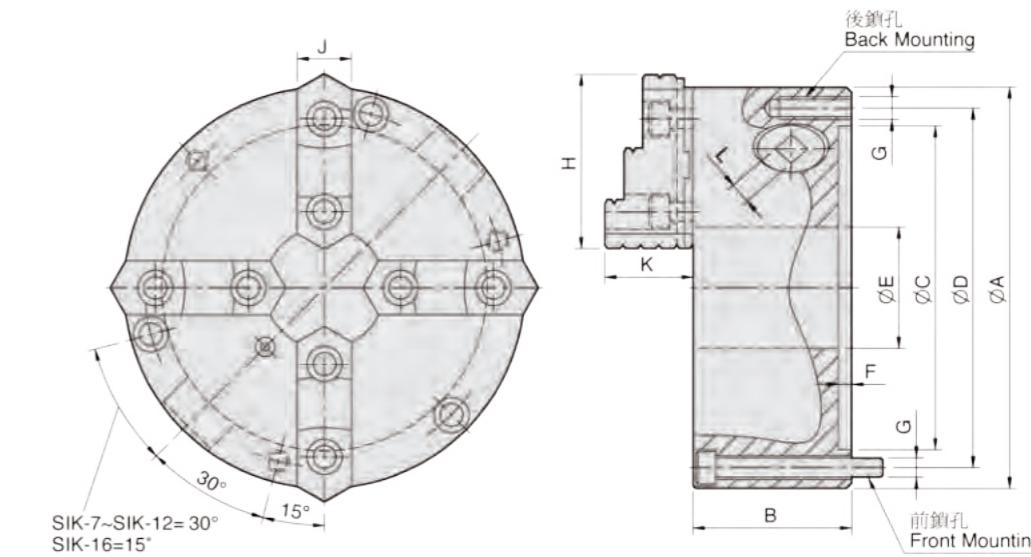
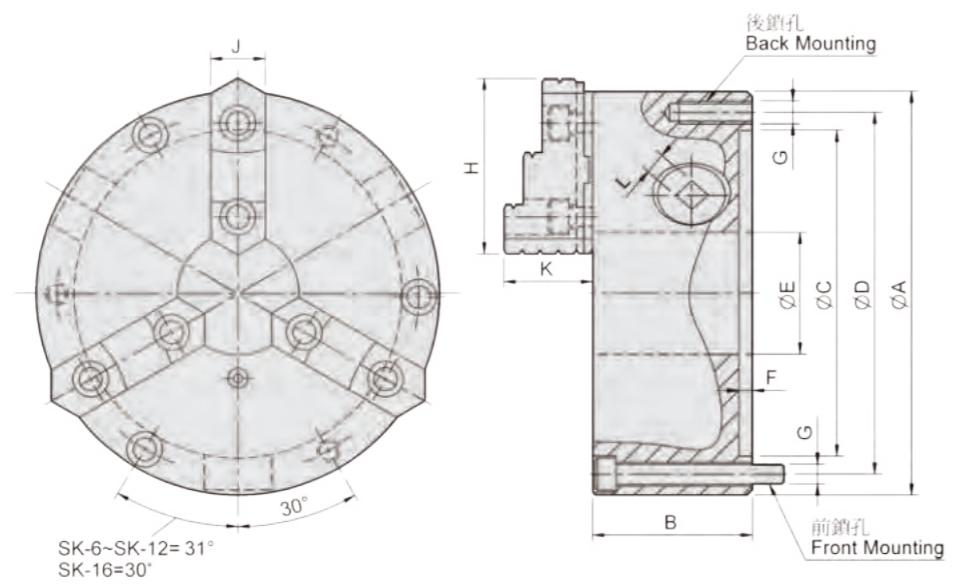
1. SK types chucks have wider utilization range; hard jaws suitable for heavy cutting; soft jaws suitable for light and precision cutting.
2. Hard jaws could be used as internal jaws and external jaws.
3. Gripping accuracy of 0.03mm (0.0012 inch) T.I.R.
4. The body is made of MEEHANITE. It is suitably used for high speed revolution and 3 times more durable than regular material.



## SIK

### 4-jaw strong scroll chuck plain back, 2-piece jaws (front and back mounted)

1. Hard jaws are adopted for square or octagonal thin tube workpieces machining.
2. Soft jaws could grip rectangular workpiece after being unisotropic machined.
3. The specification is the same as SK type.
4. The body is made of MEEHANITE. It is suitably used for high speed revolution and 3 times more durable than regular material.



SPEC Model	A	B	C	D	E	F	G Back / Front	H	J	K	L	Allowable Handle Torque (kgf · m)	Gripping Force (kgf)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	O.D. Range / I.D. Range
SK-4	112	58	80	95	32	4.8	3-M8 / 3-M8x65	47	19	31.6	8	4.5	1200	2500	3.8	—	Ø3-Ø95 / Ø29-Ø84
SK-6	167	67	130	147	45	5.5	3-M10 / 3-M10x70	72	26	40.2	10	9.0	2200	2000	9	0.03	Ø4-Ø160 / Ø55-Ø150
SK-7	192	76.5	155	172	58	5.5	3-M10 / 3-M10x80	81.2	28	42	11	11.0	2500	2000	13.8	0.06	Ø8-Ø180 / Ø62-Ø170
SK-8	200	76.5	160	176	58	5.5	3-M10 / 3-M10x80	82	28	42	11	11.0	2500	2000	15.5	0.07	Ø8-Ø190 / Ø68-Ø180
SK-9	232	84	190	210	70	6	3-M12 / 3-M12x90	90.9	32	51.2	12	15.0	3000	2000	22	0.16	Ø11-Ø220 / Ø70-Ø210
SK-10	273	87	230	250	89	8	3-M12 / 3-M12x90	100.5	35	56.7	12	19.5	4000	1800	29.7	0.26	Ø12-Ø260 / Ø80-Ø250
SK-12	310	96	260	285	105	7	3-M12 / 3-M12x110	114.5	40	56.8	14	21.0	4200	1800	43.5	0.58	Ø15-Ø300 / Ø90-Ø290
SK-16	405	122	345	375	160	8.7	— / 6-M14x130	148.6	50	76.1	15	25.0	4500	1500	98	1.72	Ø30-Ø380 / Ø110-Ø360

SPEC Model	A	B	C	D	E	F	G Back / Front	H	J	K	L	Allowable Handle Torque (kgf · m)	Gripping Force (kgf)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	O.D. Range / I.D. Range
SIK-7	192	76.5	155	172	58	5.5	3-M10 / 3-M10x80	82	28	42	11	11.0	2500	2000	14.1	0.06	Ø8-Ø180 / Ø62-Ø170
SIK-9	232	84	190	210	70	6	3-M12 / 3-M12x90	96	32	51.2	12	15.0	3000	2000	22.2	0.16	Ø11-Ø220 / Ø70-Ø210
SIK-12	310	96	260	285	105	7	3-M12 / 3-M12x110	114.5	40	56.8	14	21.0	4200	1800	45	0.58	Ø15-Ø300 / Ø90-Ø290
SIK-16	405	122	345	375	160	8.7	— / 6-M14x130	148.6	50	76.1	15	25.0	4500	1500	108	1.72	Ø30-Ø380 / Ø110-Ø360



## KD

### 3-jaw strong scroll chuck D1 camlock direct mounting, 2-piece jaws

(ASA spindle nose D1-4, D1-5, D1-6, D1-8)  
American standard camlock type with 2-piece reversible hard top jaws.

1. Gripping accuracy of 0.03mm (0.0012 inch) T.I.R..
2. Standard accessories chuck wrench, hex. key. and a set of mounting bolts. (UNC-bolts)
3. The body is made of MEEHANITE. It is suitably used for high speed revolution and 3 times more durable than regular material.

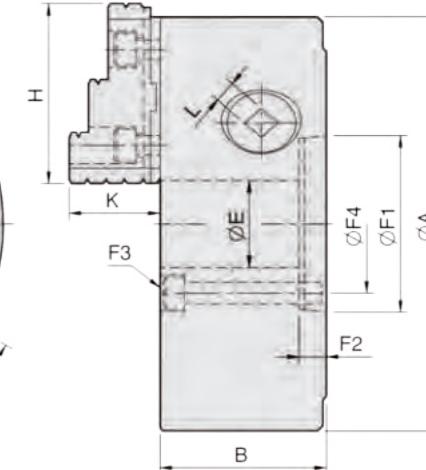
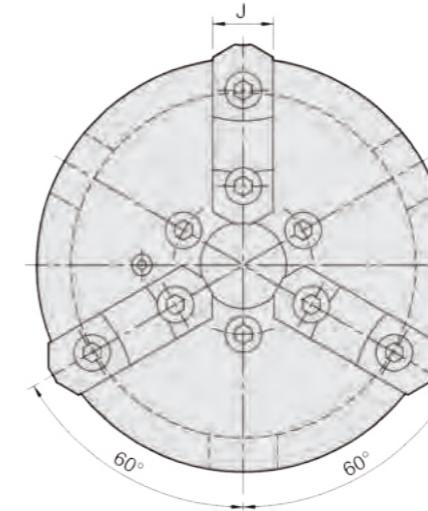
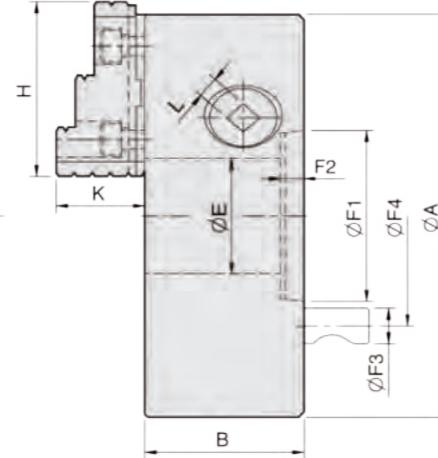
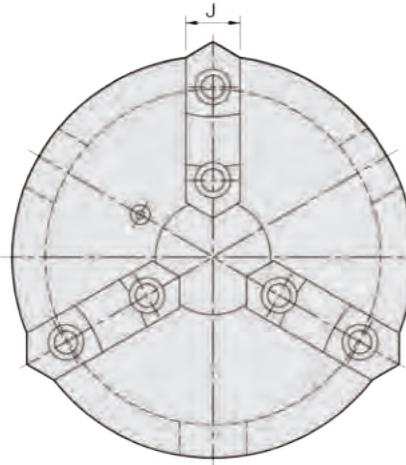


## KA

### 3-jaw strong scroll chuck A1 direct mounting, 2-piece jaws

(ASA spindle nose A1-5, A1-6)  
American standard camlock type with 2-piece reversible hard top jaws.

1. Gripping accuracy of 0.03mm (0.0012 inch) T.I.R..
2. Standard accessories chuck wrench, hex. key. and a set of mounting bolts. (UNC-bolts)
3. The body is made of MEEHANITE. It is suitably used for high speed revolution and 3 times more durable than regular material.



SPEC Model	Spindle Size	A	B	E	H	J	K	L	F1 / F2 / F3 / F4	Mounting Dimensions	Allowable Handle Torque (kgf · m)	Gripping Force (kgf)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	O.D. Range / I.D. Range	UNIT : mm
KD4-6"	D1-4	165	71	40	72	26	39.5	10	63.513 / 13 / 15.8 / 82.55	9.0	2200	2000	11	0.04	Ø8-Ø160 / Ø55-Ø150		
KD4-8"	D1-4	200	77.2	53	82	28	42.2	11	63.513 / 13 / 15.8 / 82.55	11.5	2500	2000	18.5	0.07	Ø8-Ø180 / Ø62-Ø170		
KD5-8"	D1-5	200	77.2	55	82	28	42.2	11	82.563 / 16 / 19 / 104.78	11.5	2500	2000	18	0.07	Ø8-Ø180 / Ø62-Ø170		
KD6-8"	D1-6	200	77.2	58	82	28	42.2	11	106.375 / 17 / 22.2 / 133.35	11.5	2500	2000	17	0.07	Ø8-Ø180 / Ø62-Ø170		
KD6-10"	D1-6	250	86	76	90.9	32	50.8	12	106.375 / 17 / 22.2 / 133.35	19.5	4000	1800	29.5	0.2	Ø11-Ø220 / Ø70-Ø210		
KD6-12"	D1-6	306	107.5	103	114.5	40	57.8	14	106.375 / 13.5 / 22.2 / 133.35	21.0	4200	1800	47	0.5	Ø15-Ø300 / Ø90-Ø290		
KD8-10"	D1-8	250	86	80	90.9	32	50.8	12	139.719 / 19 / 25.4 / 171.45	19.5	4000	1800	27	0.2	Ø11-Ø220 / Ø70-Ø210		
KD8-12"	D1-8	306	107.5	103	114.5	40	57.8	14	139.719 / 18 / 25.4 / 171.45	21.0	4200	1800	47	0.5	Ø15-Ø300 / Ø90-Ø290		

SPEC Model	Spindle Size	A	B	E	H	J	K	L	F1 / F2 / F3 / F4	Mounting Dimensions	Allowable Handle Torque (kgf · m)	Gripping Force (kgf)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	O.D. Range / I.D. Range	UNIT : mm
KA5-8"	A1-5	200	77.2	40	81.2	28	42.2	11	82.563 / 14.288 / 3-M10 / 61.9	11.0	2500	2000	18	0.07	Ø8-Ø180 / Ø62-Ø170		
KA6-8"	A1-6	200	77.2	53	81.2	28	42.2	11	106.375 / 15.875 / 3-M12 / 82.6	11.0	2500	2000	18	0.07	Ø8-Ø180 / Ø62-Ø170		
KA6-10"	A1-6	250	86	53	90.9	32	50.8	12	106.375 / 15.875 / 3-M12 / 82.6	19.0	4000	1800	29.5	0.2	Ø11-Ø220 / Ø70-Ø210		
KA6-12"	A1-6	306	107.5	53	114.5	40	57.8	14	106.375 / 15.875 / 3-M12 / 82.6	21.0	4200	1800	47	0.5	Ø15-Ø300 / Ø90-Ø290		
KA8-12"	A1-8	306	107.5	77	114.5	40	57.8	14	139.719 / 17.462 / 6-M16 / 111.1	21.0	4200	1800	47	0.5	Ø15-Ø300 / Ø90-Ø290		











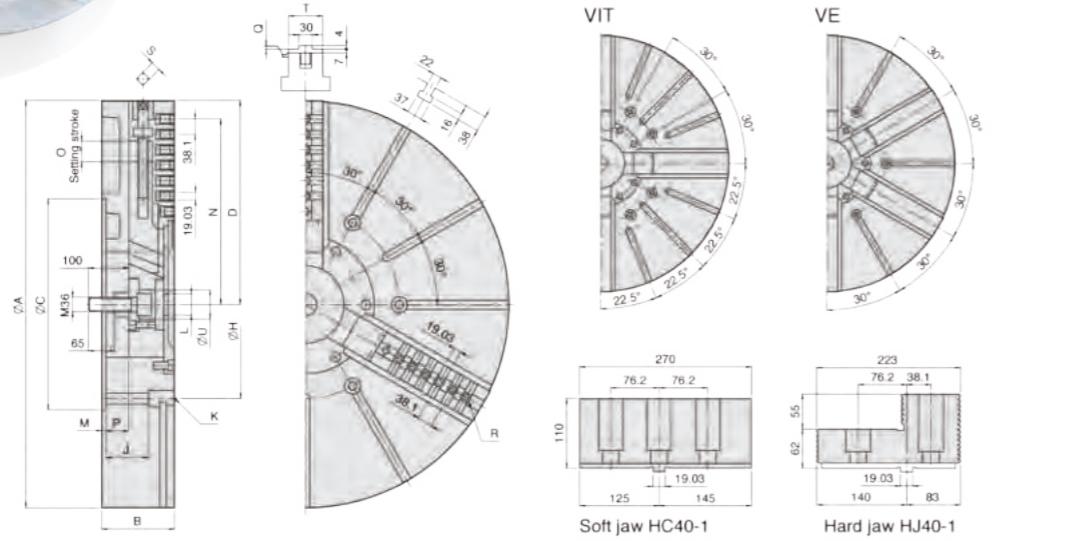




## V(40"-79")

**Large wedge type non through-hole power chuck (adapter excluded)**

1. Chucking operations of very large components external or internal clamping.
2. Suitable for vertical lathe, due to the front protection of slide way.
3. Master jaw with manual radial setting function.



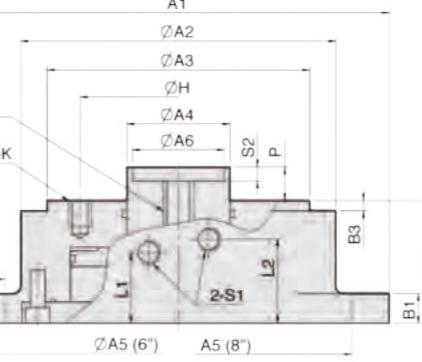
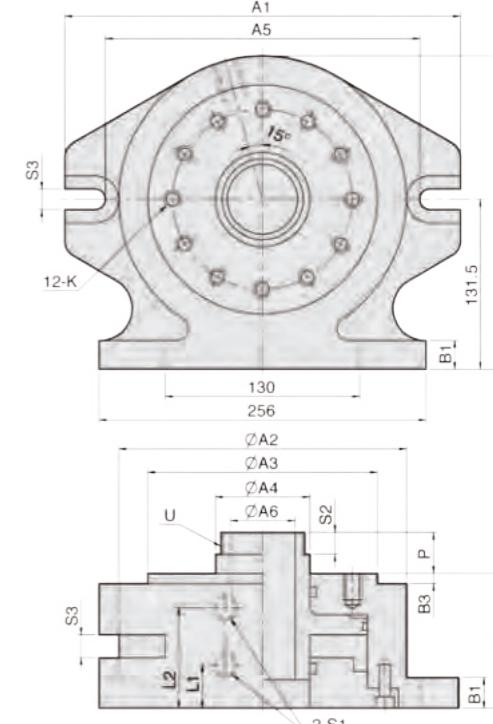
DIM Model	A	B	C	D max.	H	J	K	L	M	N max.	O	P max.	P min.	Q	R	S	T	U
40" V-240	1005	180	520	502	463.6	108	M24	M52x1.5	8	457	30	59	2	4	7-M24	19	85	72
VIT-240																		
50" V-250	1250	180	520	623	463.6	108	M24	M52x1.5	8	563	30	59	2	4	10-M24	19	85	72
VE-250																		
63" V-263	1600	220	720	796	647.6	144	M30	M52x1.5	8	738	40	82	22	6	13-M24	22	110	72
VIT-263																		
VE-263																		
79" VE-279	2000	238	720	996	647.6	159	M30	M52x1.5	8	914	40	100	40	6	17-M24	22	110	72



## DV/DN

**Vertical and vertical horizontal stationary power chuck**

1. Suitable for vertical milling and drilling operations.
2. With large through-hole, Vertical / horizontal power chucks does not only clamp the long workpiece but also the horizontal holding.



DV Fig-1

DN Fig-2

SPEC Model	Piston Dia. (mm)	Piston Area (cm²) Push Side / Pull Side		Max. Draw Bar Force (kgf) Push Side / Pull Side	Piston Stroke (mm)	Max. Operating Pressure (kgf / cm²)	Weight (kg)	Matching Chuck												
DIM Model	A1	A2	A3	A4	A5	A6	B1	B2	B3	H	K	L1	L2	P max.	P min.	S1	S2	S3	U	Reference
DV-6	Ø115	104 / 78.5		1900 / 1400	20	20	12	V-206												
DV-8	Ø155	187 / 148.6		3600 / 2800	21	20	21	V-208, V-210, V-212												
DN-8	Ø155	148.6 / 148.6		2800 / 2800	17	20	28.5	N-208												
DV-6	Ø220	168	140	55	Ø200	49	16	65.5	5.5	104.78	12-M10x15L	38	45	18	-2	PT 1/4"	7.6	2-Ø15	M16xP2.0	Fig-1
DV-8	290	210	170	70	242	58	24	86	5.5	133.35	12-M12x16L	23	65	20	-1	PT 1/4"	5.5	2-16	M16xP2.0	Fig-1
DN-8	293	213	170	70	242	52	24	100	5.5	133.35	12-M12x18L	32.5	74.5	30.4	13.4	PT 1/4"	16	4-17	M60xP2.0	Fig-2











## CM.B

### Hydraulic cylinder coolant collector

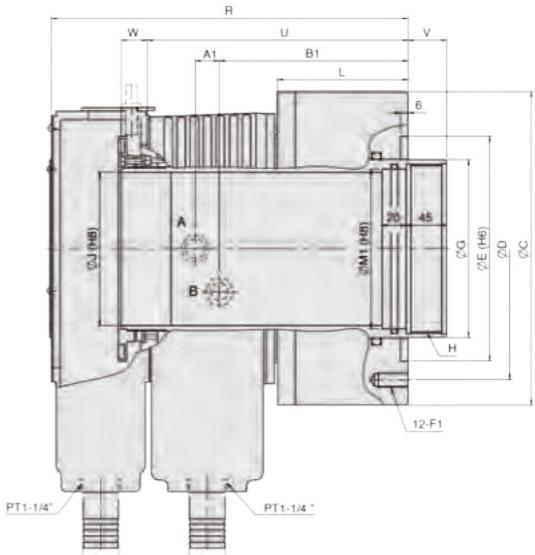
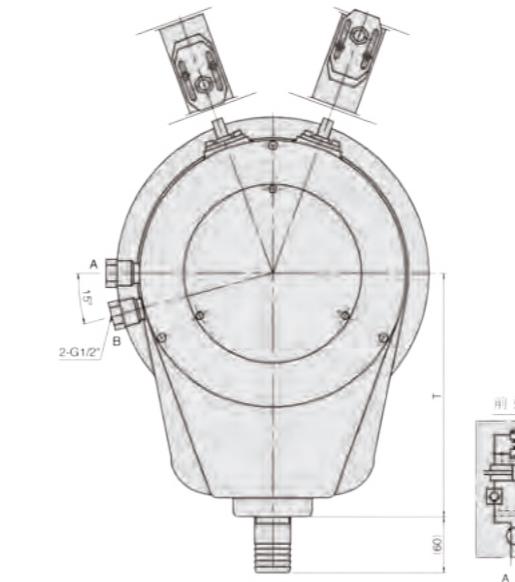
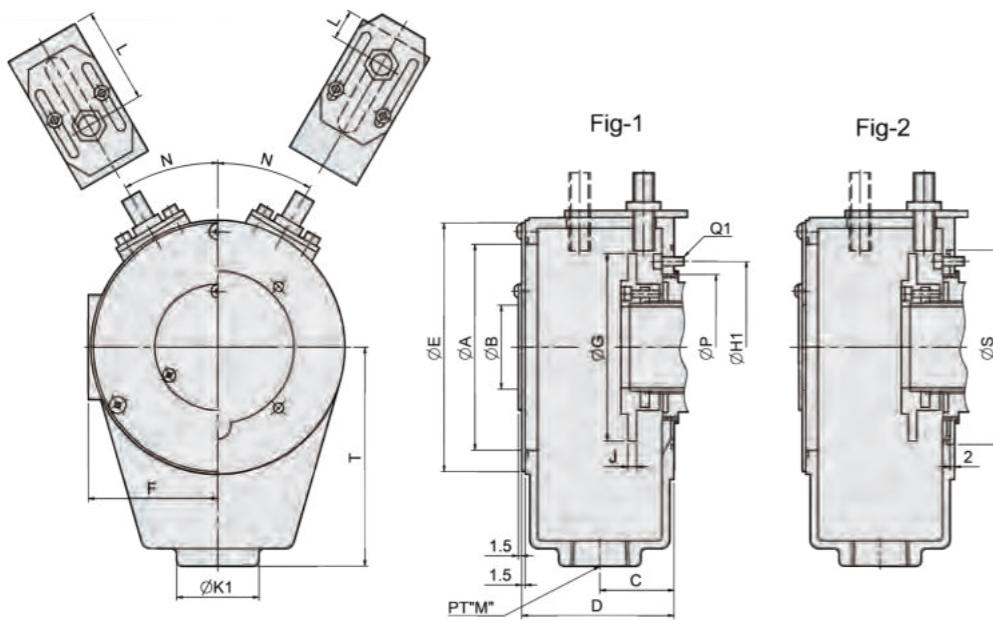
1. Hydraulic cylinders coolant collectors. Compact and light weight, they feature bore sizes up to 20% large than Conventional Cylinders. Precision finished piston bores and cool running rotary unions are included for years of trouble-free performance.
2. The proximity switches are extra option.



## ML-CM.B

### Extra large through-hole rotary hydraulic cylinder

1. Matching for large bore power chucks.
2. Special aluminum alloy steel body, light weight for reducing the spindle loading.
3. Within check valves to maintain the thrust force.
4. Extra large bore design, equipped with coolant collector and detective plate.
5. The proximity switches and mounting bolts are extra option.



DIM Model	A	B	C	D	E	F	G	J	L <sub>max.</sub>	L <sub>min.</sub>	N	P	S	T	M	H1	K1	Q1	Reference	Matching Cylinder	Weight (kg)
CM09B	82.5	30	35	71.5	106	55.5	77	5	47.5	17.5	30	67	90	105	PT 3/4"	76	44	4-M4	Fig2	M0928	0.85
CM10B1	82.5	40	35	71.5	106	55.5	107	5	47.5	17.5	30	75	—	105	PT 3/4"	88	44	6-M5	Fig1	M1036	1.0
CM12B	117.5	48	42	85.5	142	74	107	5	60.5	17.5	30	87	—	130	PT 1"	98	47	4-M5	Fig1	M1236, M1246, MK1246, MM1246A	1.6
CM15B8	117.5	55	42	85.5	142	74	107	5	60.5	17.5	30	98	—	130	PT 1"	110	47	4-M6	Fig1	M1546, M1552, MK1452	1.6
CM18B	155	80	42.5	86.5	184	94	147	5	58.5	17.5	30	123	—	150	PT 1"	155	47	4-M6	Fig1	M1868, M1875	2.0
CM18BK	155	80	42.5	86.5	184	94	147	5	60.5	19.5	30	126	175	150	PT 1"	166	47	4-M6	Fig2	MK1881	2.0
CM20B	155	95	42.5	86.5	184	94	147	5	60.5	17.5	30	140	—	150	PT 1"	165	47	4-M6	Fig1	M2091	2.1
CM25B	200	120	44	89.5	230	117	192	12	60	21	27	179	—	180	PT 1"	206	47	4-M6	Fig1	M2511	2.4
CM28B	254	170	52	103	285	147	240	8	74.5	20.5	20	222.6	278	260	PT 1-1/4"	256	85	4-M6	Fig2	ML2816	4.2
CM33B	300	208	52	101.5	330	—	285	8	74.5	20.5	20	262.6	328	259	PT 1-1/4"	308	70	4-M6	Fig2	ML3320	7.2

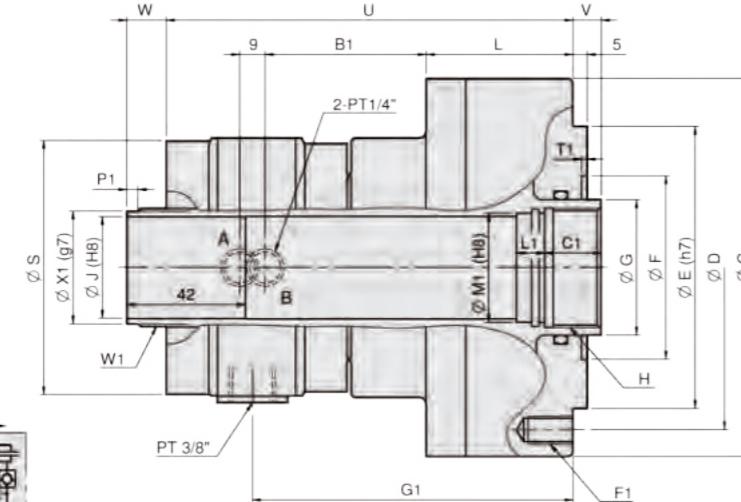
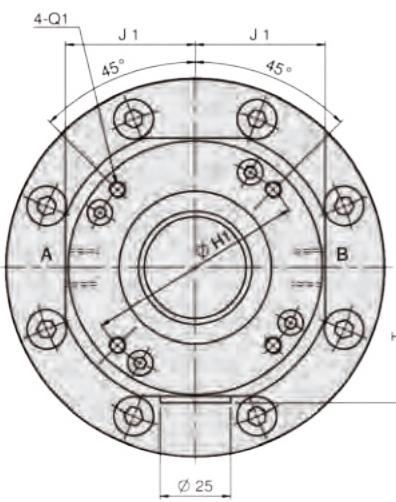
SPEC Model	Piston Dia. (mm)	Piston Area (cm <sup>2</sup> ) Push Side / Pull Side	Max. Draw Bar Force (kN(kgf)) Push Side / Pull Side	Piston Stroke (mm)	Max. Operating Pressure (MPa(kgf / cm <sup>2</sup> ))	Max. Speed (r.p.m.)	Moment Of Inertia I (kg · m <sup>2</sup> )	Weight (kg)	Total Leakage L/min									
ML2814CM28B	285	394 / 350	116.8(11910) / 106.8(10584)	42	3.3(33.6)	2000	1.08	87	9									
ML2816CM28B	285	394 / 350	116.8(11910) / 106.8(10584)	42	3.3(33.6)	2000	0.90	72	9									
ML3320CM33B	335	515.7 / 416.9	152.9(15591) / 136.9(13960)	42	3.3(33.6)	1600	1.09	103	10									
DIM Model	C	D	E (H6)	G	H	J	L	R	T	U	V <sub>max.</sub>	V <sub>min.</sub>	W <sub>max.</sub>	W <sub>min.</sub>	A1	B1	F1	M1
ML2814CM28B	335	280	240	190	M158x3.0	145	140	382	260	279	41	-1	67	25	18	202	M16x32L	150
ML2816CM28B	335	280	240	190	M180x3.0	166.5	140	382	260	279	41	-1	67	25	18	202	M16x32L	170
ML3320CM33B	390	320	280	230	M215x3.0	205	147	392	260	292	41	-1	67	25	18	210	M20x32L	210



## MM

### High speed and compact through-hole rotary hydraulic cylinder

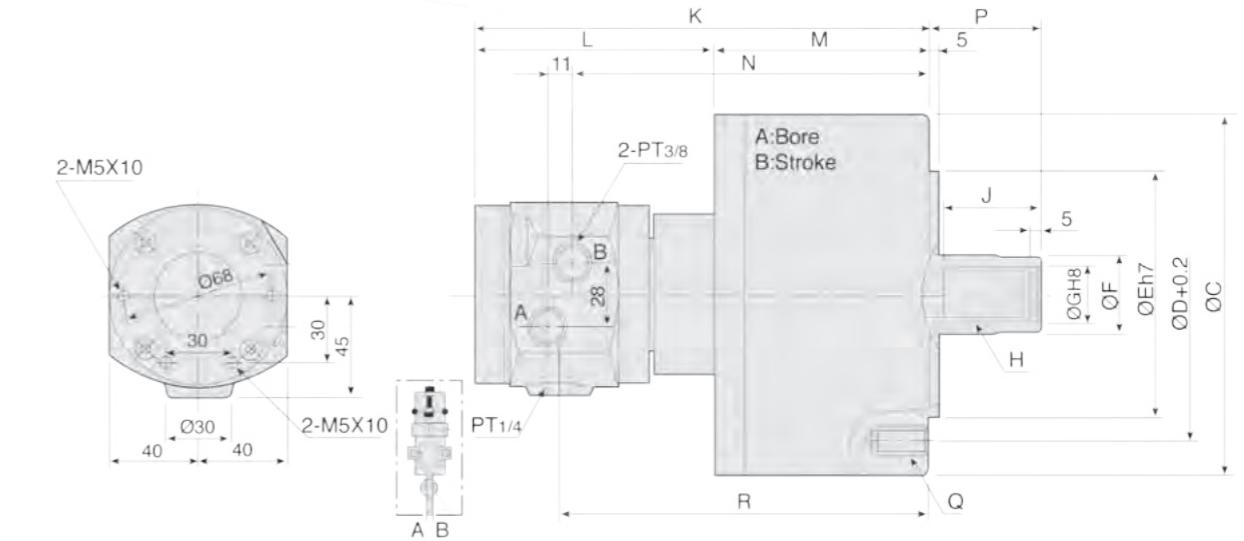
1. Compact hydraulic cylinder design with light weight can reduce the spindle loading while running in high speed.
2. Built-in check valve in safety auto lock and pressure relief valve in case of power failure occur.
3. New model developed for rear installation.



## MS

### Non through-hole rotary hydraulic cylinder (valve included)

- Built-in safty check valves.



SPEC Model	Piston Dia. (mm)	Piston Area (cm²) Push Side / Pull Side	Max. Draw Bar Force kN(kgf) Push Side / Pull Side	Piston Stroke (mm)	Max Operating Pressure MPa(kgf / cm²)	Max. Speed (r.p.m.)	Moment Of Inertia I (kg · m²)	Weight (kg)	Total Leakage L/min
	UNIT : mm								
MM1036A	36	64 / 60	23.8(2427) / 22.3(2274)	5	4.0(40.8)	8000	0.013	7	0.8
MM1246A	46	100 / 89	38(3875) / 33(3365)	15	4.0(40.8)	7000	0.026	9.8	3.0

DIM Model	C	D	E	F	G	H	J	L	T	U	V <sub>max</sub>	V <sub>min</sub>	W <sub>max</sub>	W <sub>min</sub>	B1	C1	F1	G1	H1	J1	L1	M1	Q1	T1	W1	P1	X1
MM1036A	134	115	100	65	48	M42x1.5	36	52	48	144	10	5	17	12	57	20	6-M10x15	113.5	76	46	10	38	M4x9L	2	M42xP1.5	2	40
MM1246A	155	130	100	80	65	M55x2.0	46	76	61	179	15	0	40	25	59.5	30	12-M10x20	140	98	59	15	50	M5x10L	6	M52xP1.5	9	50

SPEC Model	Piston Area (cm²) Push Side / Pull Side	Max. Draw Bar Force kN(kgf) Pull Side	Piston Stroke (mm)	Max. Operating Pressure MPa(kgf / cm²)	Max. Speed (r.p.m.)	Moment Of Inertia I (kg · m²)	Weight (kg)	Total Leakage L/min
MS105	86 / 79	29(2957)	20	4.0(40.8)	6000	0.0125	7.1	0.8
MS125	122 / 113	42(4283)	25	4.0(40.8)	6000	0.0225	10	0.8
MS150	176 / 160	60(6118)	30	4.0(40.8)	5500	0.0475	13.5	0.8
MS200	314 / 290	108(11013)	35	4.0(40.8)	5500	0.0975	22	0.8

DIM Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P <sub>max</sub>	P <sub>min</sub>	Q	R
MS105	105	20	135	100	80	30	21	M20x2.5	35	197	108	89	152	45	25	6-M10x20	158
MS125	125	25	160	130	110	35	25	M24x3.0	44	205	108	97	160	51	26	6-M12x24	166
MS150	150	30	190	130	110	45	31	M30x3.5	45	214	108	106	169	56	26	12-M12x24	175
MS200	200	35	245	145	120	55	37	M36x4.0	60	228	108	122	183	69	34	12-M16x30	189





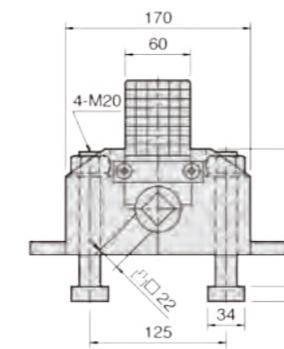
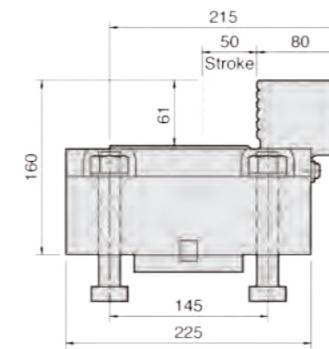


## HB4

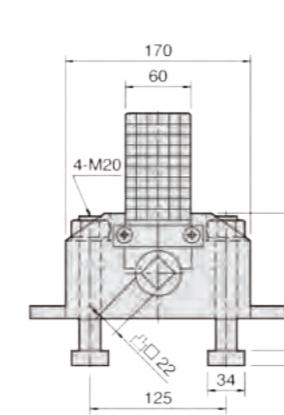
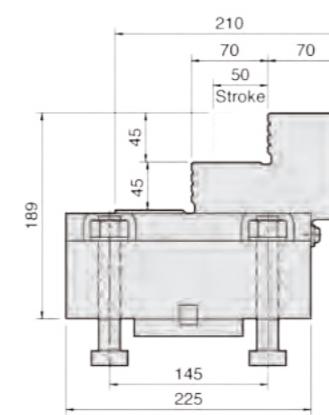
### Boring mill jaw

1. Clamping of workpiece for larger size lathe, vertical lathe, die set with jig.
2. One set of 4-piece with T-bolt.

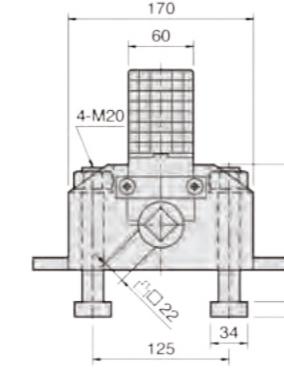
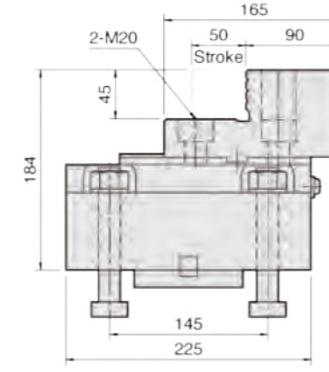
SPEC Model	Jaw Stroke (mm)	Max. Gripping Force (kN)	Weight (kg)
HB4-160	50	39.2	29



SPEC Model	Jaw Stroke (mm)	Max. Gripping Force (kN)	Weight (kg)
HB4-189	50	39.2	31



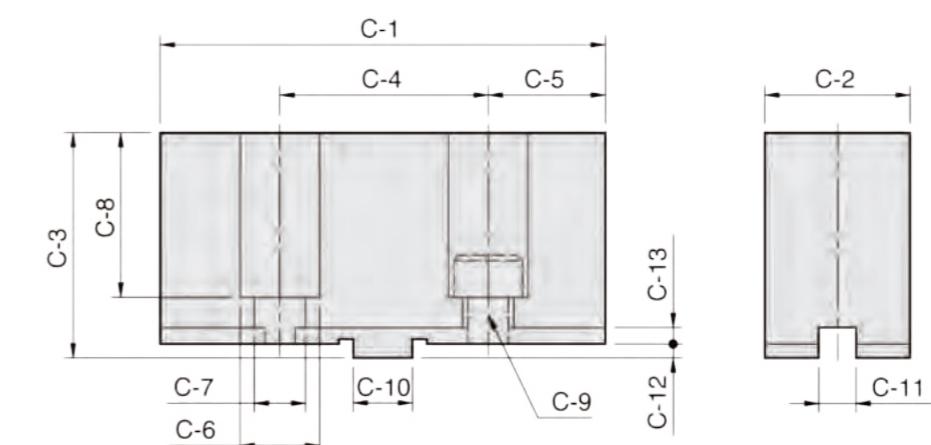
SPEC Model	Jaw Stroke (mm)	Max. Gripping Force (kN)	Weight (kg)	Matching Soft Jaw
HB4-2P	50	39.2	31	HE2486



## SKC

### Soft jaw for strong scroll chuck

1. Soft jaws for strong scroll chuck.
2. Manufactured in special specification.



SPEC Model	C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9	C-10	C-11	C-12	C-13	Matching Chuck	3 Jaw Weight (kg)
SKC04	52	19	30	24	14	11	7	21	M6	9.53	7.94	2.5	3	SK-4	0.45
SKC06	73	26	37	38	17.5	14	8.5	27	M8	12.68	7.94	3	3.5	SK-6, KD-6"	1.5
SKC07	95	31	48	44.5	25.25	17	11	35	M10	12.68	7.94	3	3.5	SK-7, SK-8, KD-8", KA-8"	2.7
SKC09	110	37	48	54	28	19	13	34	M12	19.03	12.7	3	3.5	SK-9, SK-10, KD-10", KA-10"	3.7
SKC12	125	40	54	63.5	30.75	19	13	40.5	M12	19.03	12.7	3	3.5	SK-12, KD-12", KA-12"	4.9
SKC16	160	50	70	76.2	41.9	25	17	48	M16	19.03	12.7	6	3.5	SK-16	11
HE2486	155	59	86	76.2	52.9	32	22	66	M20	19.03	12.7	6	4	HB4-2P	19.2(4PC)



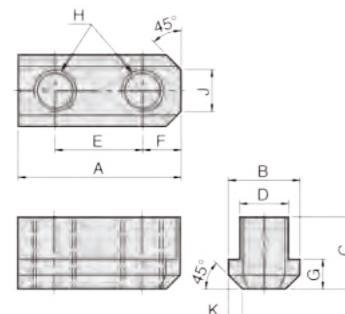




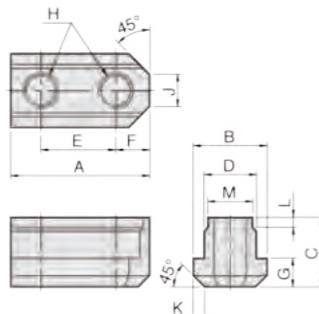
## T-NUTS

Suitable for power chuck

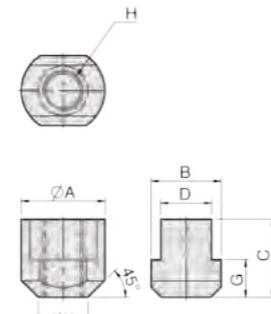
**Fig. 1**



**Fig. 2**

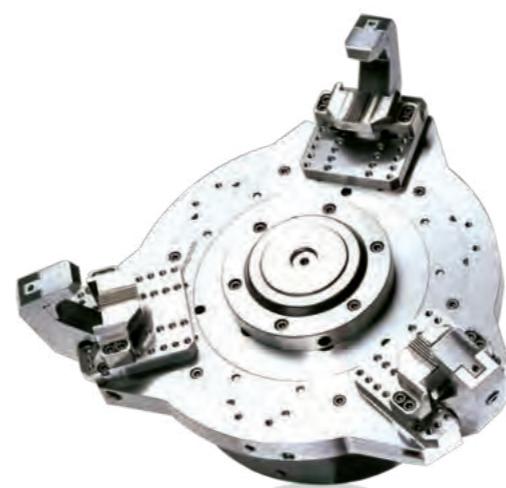


**Fig. 3**



UNIT : mm

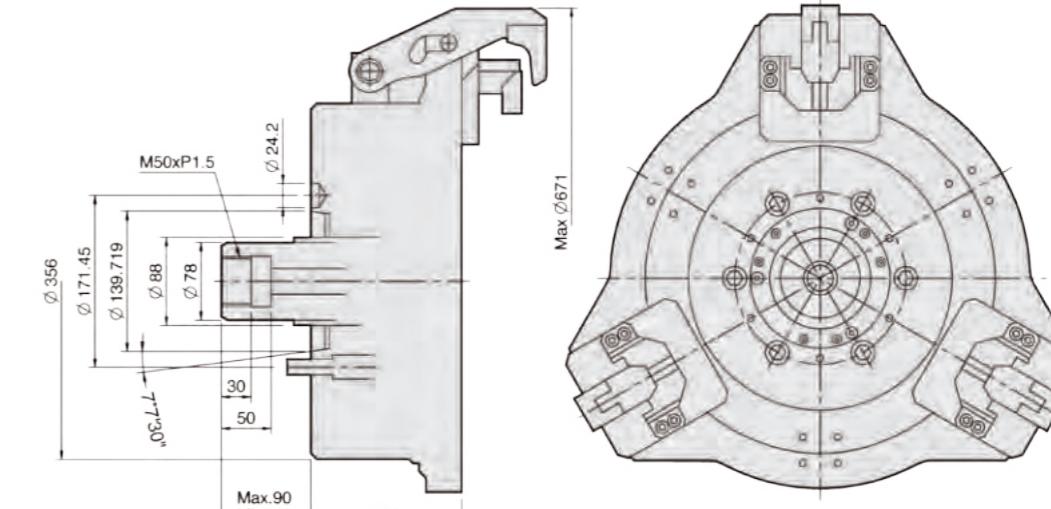
DIM Model	A	B	C	D	E	F	G	H	J	K	L	M	Fig	Matching Chuck
N-205	26	14.5	15	10	14	6	5.5	M8	5	2	—	—	1	N-204, N-205
N-206	36	17.5	18.5	12	20	8.2	7.5	M10	8	2.5	—	—	1	N-206, NB-306
N-208	46.5	20.5	20.5	14	25	10.5	8.5	M12	12	4	—	—	1	N-208, NB-208
N-210	51	22.5	21.5	16	30	11	8.5	M12	11	3	—	—	1	N-210, NB-210
N-212	55.5	29.5	27.8	21	30	12	11.5	M16	13	4.5	—	—	1	N-212, NB-212
N-215	80	33.5	45.5	24	43	17	16.5	M20	11	5	8	22	2	N-215, N-218
V-206	36.5	17.5	22.5	12	20	7.5	7.5	M10	6	3	—	—	1	V-206, NHT-208
V-208	48	20.5	25.5	14	25	11	9.5	M12	8	4	—	—	1	V-208
V-210	55	22.5	25.5	16	30	11	9.5	M12	8	4	—	—	1	V-210
V-212	55.5	26.5	33.5	18	30	11.5	13.5	M14	11	5	—	—	1	V-212
V-215	42	35	39.2	25.5	—	—	19	M20	—	25	—	—	3	V-215, V-218
V-215 26 M20	42	35	41.2	26	—	—	19	M20	—	25	—	—	3	V-215P3.0
V-224	46	37.5	45	25	—	—	19	M20	—	26.5	—	—	3	N-220, N-224, V-221, V-224, V-232



## F52

High speed and light weight type strong finger chuck for aluminum wheel

1. All sliding surfaces are hardened and ground for accurate actual running and long service repeatability.
2. Mounting : Adaptor mounting to fit with DIN, ISO, BS, ASA, B5-9 type A spindles.



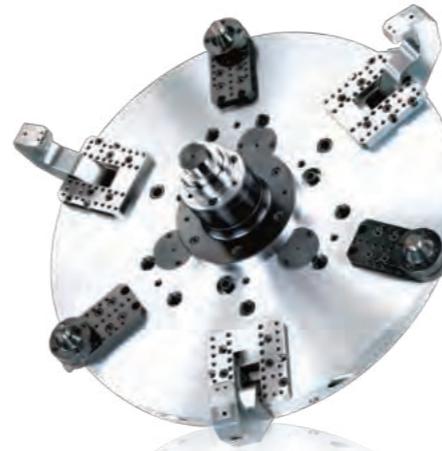
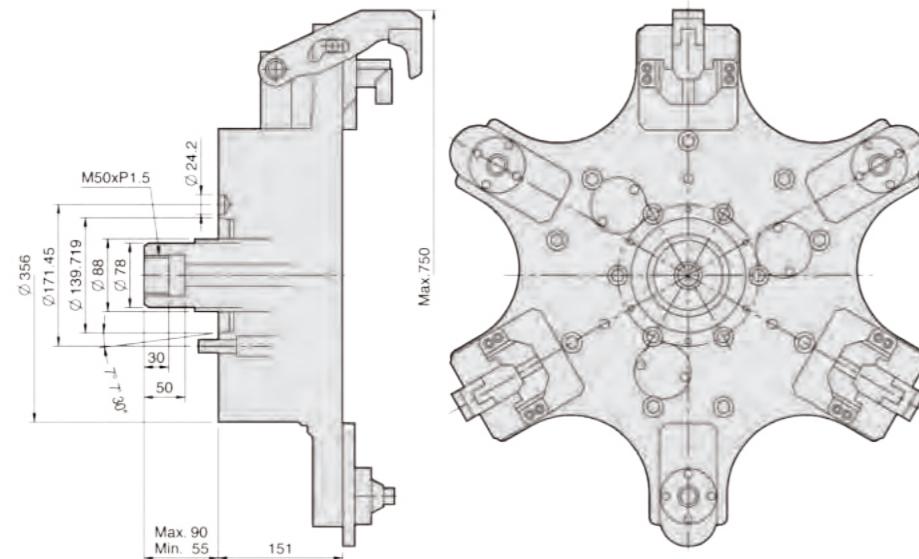
SPEC Model	Matching Wheel Size	Out Dai. Of Chuck (mm)	Matching Spindle	Max. Pull Force kN(kgf)	Max. Gripping Force kN(kgf)	Max. Operating Pressure MPa(kgf/cm²)	Max. Speed (r.p.m.)	Weight (Without Jigs) (kg)	Matching Cylinder
F52A8	12"-18"	521	A2-8	33.9(3456)	32.4(3303)	3.3(33.6)	2800(18"2200)	98	MS125C35



## F61

**High speed and light weight type strong finger chuck for aluminum wheel**

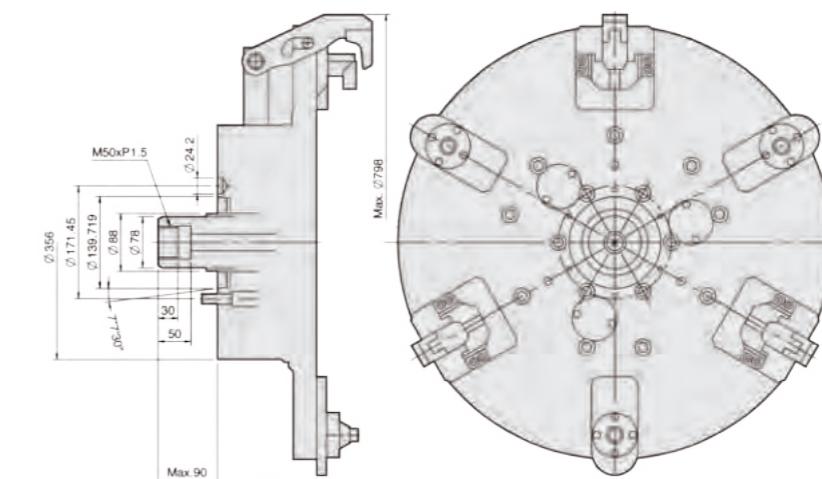
1. All sliding surfaces are hardened and ground for accurate actual running and long service repeatability.
2. Mounting : Adaptor mounting to fit with DIN, ISO, BS, ASA, B5-9 type A spindles.



## F66

**High speed and light weight type strong finger chuck for aluminum wheel**

1. All sliding surfaces are hardened and ground for accurate actual running and long service repeatability.
2. Mounting : Adaptor mounting to fit with DIN, ISO, BS, ASA, B5-9 type A spindles.



SPEC Model	Matching Wheel Size	Out Dai. Of Chuck (mm)	Matching Spindle	Max. Pull Force kN(kgf)	Max. Gripping Force kN(kgf)	Max. Operating Pressure MPa(kgf/cm²)	Max. Speed (r.p.m.)	Weight (Without Jigs) (kg)	Matching Cylinder	UNIT : mm
F61A8	13"-22"	610	A2-8	33.9(3456)	32.4(3303)	3.3(33.6)	1500	145	MS125C35	

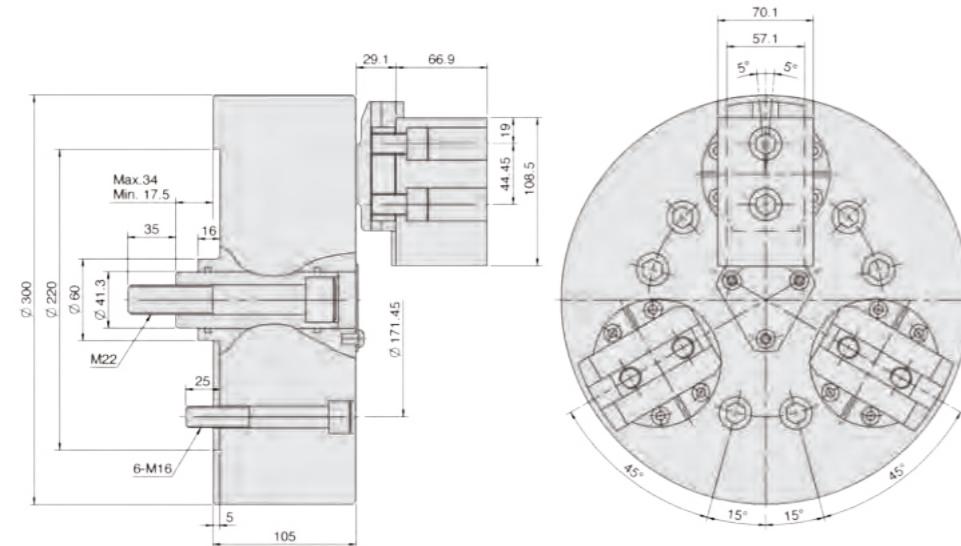
SPEC Model	Matching Wheel Size	Out Dai. Of Chuck (mm)	Matching Spindle	Max. Pull Force kN(kgf)	Max. Gripping Force kN(kgf)	Max. Operating Pressure MPa(kgf/cm²)	Max. Speed (r.p.m.)	Weight (Without Jigs) (kg)	Matching Cylinder	UNIT : mm
F66A8	19"-24"	660	A2-8	33.9(3456)	32.4(3303)	3.3(33.6)	1500	182	MS125C35	



## BL

### 3-jaw ball swing lock chuck

1. The chuck can attract the workpiece and hold it on.  
The jaw operates in two stages :  
Clamping pull back, so it can hold the workpiece exactly on the position in front of the chuck, and make it under the stable situation.
2. The chuck can grasp the workpiece on both O.D. and I.D. clamping.  
The chuck can switch between O.D. and I.D. clamping mode by a simple operation.
3. The chuck can grasp the part of the taper. The chuck can exactly grasp the black surface of the cast irons, which has draft.  
So the discard process can be ignored on the chucking part of the workpiece.(It can grasp up to a 20 degree taper when using a clipper.)
4. The jaw can equalize on the O.D. clamping, so it can grasp the workpiece steady. (Jaw self-equalizing to max 5°)
5. Dustproof performance is excellent. It is differ from regular general purpose chuck. It is structurally dustproof. Especially there is a dustproof seal in the part of lock arm to prevent the dust.

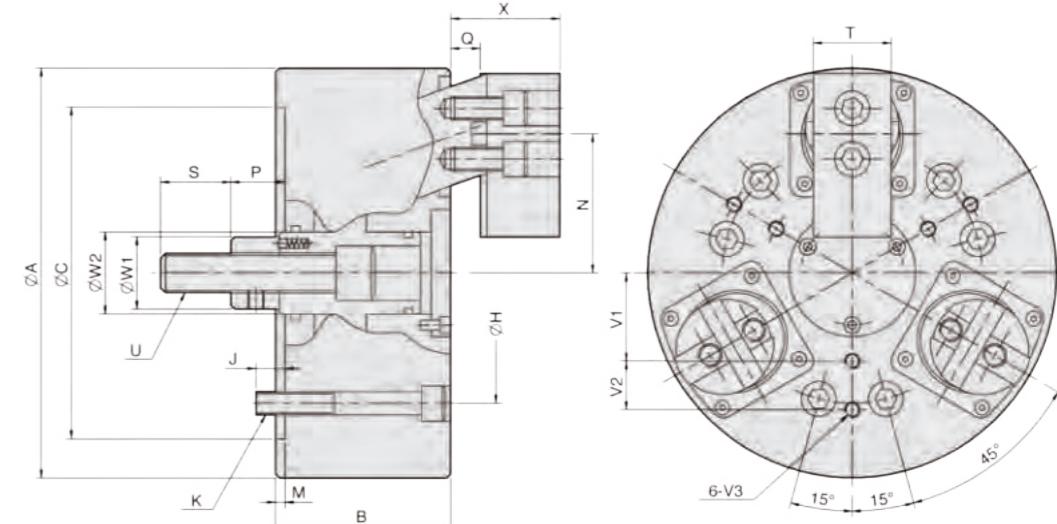


## DR

### 3-jaw draw down power chuck

Draw down power chuck feature of radial clamping will lead to almost no work piece uplifting displacement; for machining casting and forging part:

1. For the clamped work-piece is appressed to the surface, chucks are suitable for heavy machining.
2. Chuck Actuators with cylindrical structure are durable and ensures high clamping repeatability.
3. Accurate self-centering and pull back features are adequate or precise length control machining requirements.



SPEC Model	Plunger Stroke (mm)	Jaw Stroke (In Dia.) (mm)	Max. Pull Force kN(kgf)	Max. Gripping Force kN(kgf)	Max. Operating Pressure MPa(kgf/cm²)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia (kg·m²)	Matching Cylinder	Matching Soft Jaw	Gripping Range O.D. Range / I.D. Range	UNIT : mm																					
												A	B	C	H	J	K	M	N max.	N min.	P max.	P min.	Q max.	Q min.	S	T	U	W1	W2	X max.	X min.	V1	V2
BL-12	17.5	12.4	40.7(4152)	122(12440)	2.8(28.5)	2800	65	0.18	MS150C	BL-12	Ø63-Ø240 / Ø127-Ø305	165	85	140	104.78	16	6xM10	5	58	54.4	33	23	14	4	36	35	M16x2.0	32	33.5	45	35	20	M6x12

DIM Model	A	B	C	H	J	K	M	N max.	N min.	P max.	P min.	Q max.	Q min.	S	T	U	W1	W2	UNIT : mm							
																			X max.	X min.	V1	V2	V3			
DR-06	165	85	140	104.78	16	6xM10	5	58	54.4	33	23	14	4	36	35	M16x2.0	32	33.5	45	35	20	M6x12				
DR-08	210	90	170	133.35	15	6xM12	5	71.3	67.7	38	28	15	5	36	40	M20x2.5	37	42	56	46	45	25	M8x16			



## P165

### Floating plate center chuck

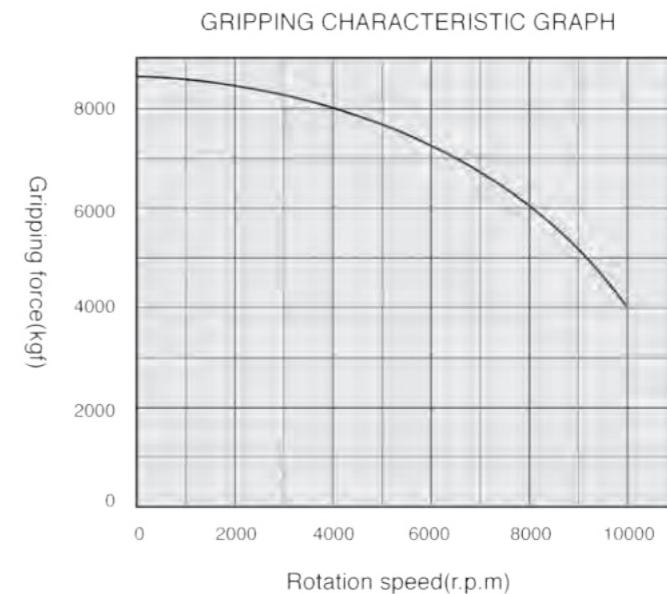
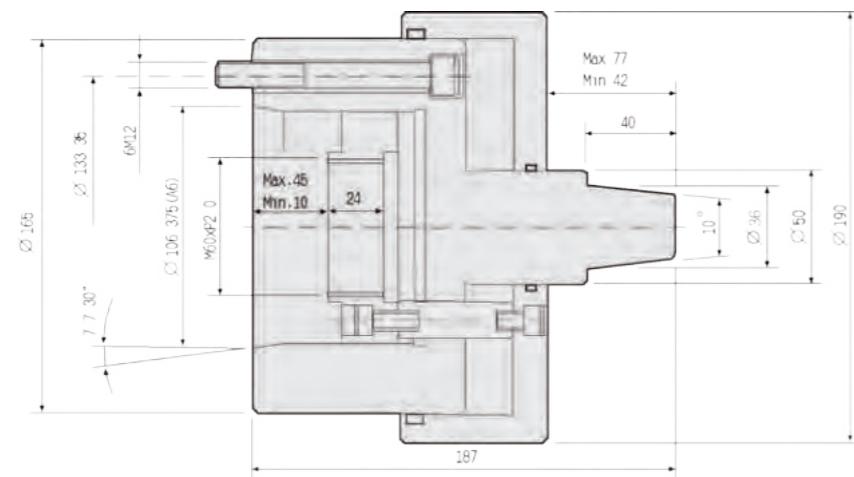
- Suitable for easy one step cutting of thin holes, plate and outside diameter.



## HN

### 3-jaw extra high speed through-hole power chuck(adapter included)

- Possible 10,000 r.p.m. highest speed chuck.
- Model HN chucks are assembled with adaptor for ASA B5.9 type A spindles.
- Model HN chucks are manufactured from high grade alloy steel. All sliding surfaces are hardened and ground for accurate actual running and long service repeatability.



SPEC Model	Plunger Stroke (mm)	Max. Operating Pressure MPa(kgf / cm²)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	Matching Cylinder	UNIT : mm
P165	35	1.0(10)	6000	18.5	0.02	MS125C35	

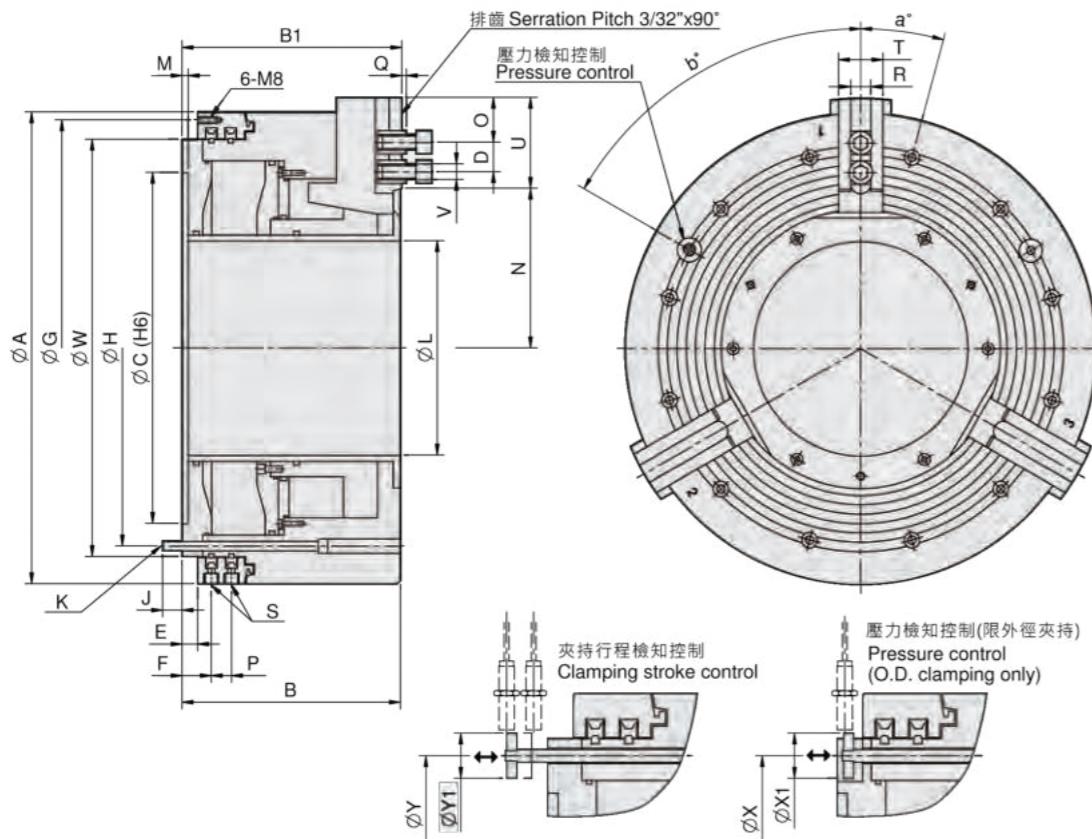
SPEC Model	Through -Hole (mm)	Plunger Stroke (mm)	Jaw Stroke (In Dia.) (mm)	Max. Pull Force kN(kgf)	Max. Gripping Force kN(kgf)	Max. Operating Pressure MPa(kgf / cm²)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	Matching Cylinder	Matching Soft Jaw	Gripping O.D. Range (mm)	UNIT : mm
HN-06	Ø36	12	5.5	30(3050)	79.4(8100)	2.9(30)	10000	11.5	0.035	HG-1336	Model-A	Ø14-Ø51	



## PB-ES

### Pneumatic power chuck

1. Air chuck for external clamping with built-in pneumatic cylinder.
2. Fast and clamping jaw stroke.
3. Clamping pressure control.
4. Clamping stroke control.



SPEC Model	Through Hole (mm)	Total Stroke / Jaw (mm)	Fast Stroke / Jaw (mm)	Clamping Stroke / Jaw (mm)	Piston Area (cm²)	Operating Pressure Min.-Max. (bar)	Gripping* Force (kN)	Max. Speed (r.p.m.)	Weight (kg)	Moment Of Inertia I (kg · m²)	Air* Consumption (L)
600-275	275	25.4	16.9	8.5	954	2-10	180	1100	360	20.6	39.5
850-375	375	25.4	13.4	12	1342	2-10	250	750	980	110	68

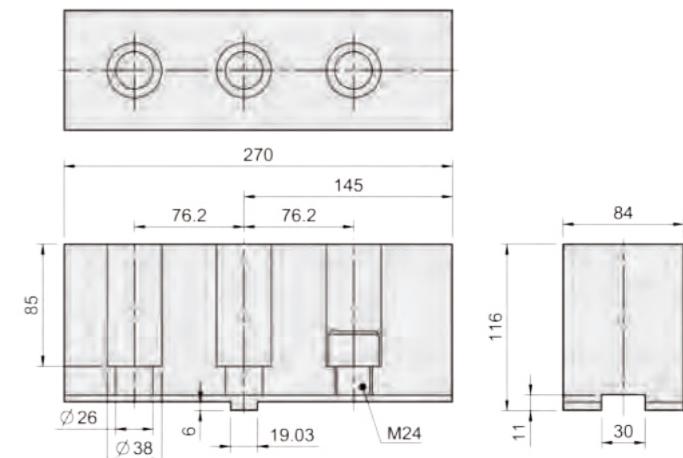
\*When operating pressure at 6 bar.

DIM Model	A	B	B1	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	X1	Y	Y1	a°	b°
600-275	605	280	282	450	79/38	20	37	585	508	25	12-M12	275	8	204.6/179.2	14	26	3	25.5	G1/2	57	116.5	M20	535	508	35	508	35	15	60
850-375	850	352	354	700	140/47	25	44.5	830	745	30	12-M16	375	8	268/242.6	16	33	4	30	G1/2	75	182	M24	775	745	35	745	35	15	60



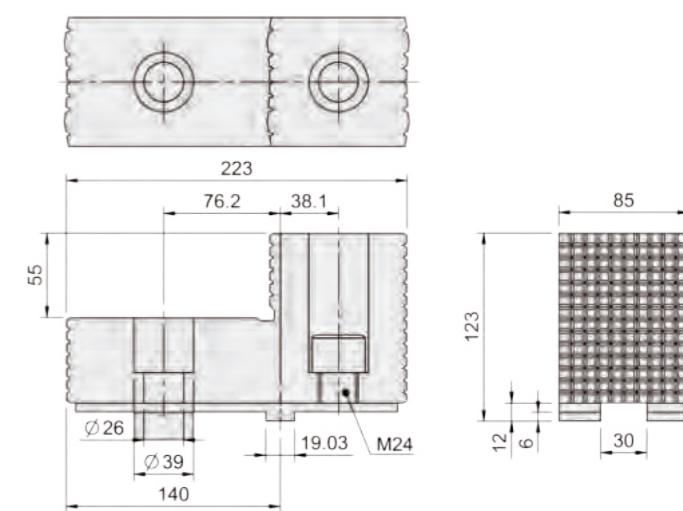
## HC40-1

### Soft jaw for hydraulic power chuck



## HJ40-1

### Hard jaw for hydraulic power chuck





**MEMO**

**MEMO**

# MEMO

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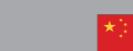
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## Global Sales Network

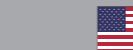
**北京思創億川進出口有限公司  
Beijing Strong-DI CHUN Import and Export Co., Ltd.**  
中國北京朝陽區東三環南路甲52號12B  
郵編: 100022  
Tel: 86-010-59711500  
Fax: 86-010-67726623  
www.strong-yc.com  
e-mail: strong@strong-yc.com



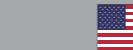
**YUE SING MACHINERY CO., Ltd.**  
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Tel: 0-2415-8964-5, 0-2416-5446  
Fax: 66-2416-5464  
Mobile: 01-9174561, 01-925-1276



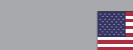
**Best Chuck, Inc**  
2664 Pomona Blvd  
Pomona, CA91768 USA  
Tel: 510-473-2378  
Fax: 510-238-8849  
sales@bestchuck.com



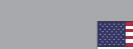
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