



南京赞钢机电有限责任公司

NANJING PRASTEEL INDUSTRIAL CO., LTD.

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卡盘 · 夹具 · 回转缸
CHUCK · CLAMPS · CYLINDER

南京赞钢机电有限责任公司
NANJING PRASTEEL INDUSTRIAL CO., LTD.

www.prasteel.com

专业值得信赖
Professionalism
worthy of
trustworthiness

诚信铸就品牌
Integrity
builds up brand

创新超越自我
Innovation
surpass itself

品质搏击市场
Quality
strives for market

服务高效快捷
Service
fast and efficient

COMPANY PROFILE

公司简介

南京赞钢机电有限责任公司是一家集研发、生产、销售、服务于一体的科技型企业，公司技术实力雄厚，生产设备先进，质量体系完善，生产能力强大，欢迎广大新老顾客光临指导。

本公司产品涉及：中实、中空气动卡盘、液压卡盘、立式卡盘、前置式卡盘、分度卡盘、浮动卡盘、伸缩爪卡盘、夹座式卡盘、双动作卡盘、半通孔卡盘、筒夹系列、油压（气压）回转缸、自定心中心架、同步夹具、激光切割机专用卡盘、机械手、各种衍架机器人系列等。

产品广泛适用于：数控车床、普通车床、加工中心、钻铣床、焊接设备、管螺纹机床、激光切割设备、以及流水线生产装置和自动化控制系统等。

以上产品结构独特创新，安全可靠，性能优越，已通过权威机构认证和 ISO9001:2008 质量体系认证，并先后获得了多项发明专利、实用新型专利、省高新技术产品证书。所有产品以“合理的价格、可靠的品质、优质的服务”深受广大新老用户的青睐。公司坚持以品质赢市场、以科技创辉煌、以诚信求发展，全面落实质量管理，以服务零距离的原则，为每一位客户提供更优质的服务。公司将一如既往的秉承“科技创新、制造精品”的经营理念，致力成为国内更专业、服务更优质、品质更可靠、性能更卓越的制造型企业。

Nanjing Prasteel Industrial Co., Ltd. is a scientific and technological enterprise integrating research and development, production, sales and service together. The company has strong technical strength, advanced production equipment, and perfect quality system and strong production capacity, and warmly welcome new and old customers to come and give guidance.

Our products cover hollow and solid pneumatic chuck, hydraulic chuck, vertical chuck, front-mounted chuck, index chuck, floating chuck, adjustable claw chuck, holder chuck, double action chuck, half-through-hole chuck, collet chuck, oil pressure rotary cylinder, gas pressure rotary cylinder, Self-centred steady rest, Synchronous clamp, Special chuck for laser cutting machine, automatic clamp jaw, industry robot and so on.

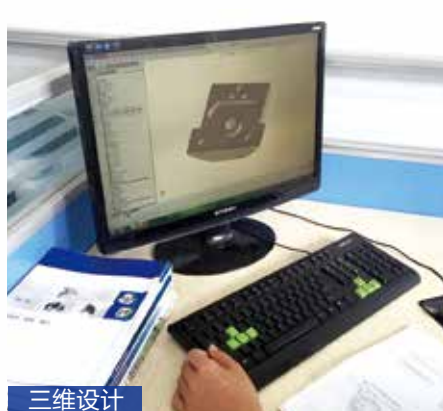
All the products with "reasonable prices, reliable quality and excellent service" are praised by the majority of new and old customers, and are widely used in numerical control lathe, common lathe, machining center, milling and drilling machine, welding equipment, pipe threading machine, laser cutting equipment, flow line production equipment and automated control systems and so on.

The structures of the above products are of unique innovation, safe and reliable, with superior performance; they have obtained certification by the state certification authorities and passed ISO9001:2008 quality system certification, and have been granted several national patents and provincial high-tech product certificates. The company adheres to the principles of winning market share by high quality, creating brilliance by science and technology, seeking for development in good faith, and fully implementing quality management and providing zero-distance serves, to provide every customer with the most attentive service.

The company will continue to adhere to the "scientific and technological innovation, and high-quality manufacturing" business philosophy, and is devoted to becoming the most professional domestic manufacturing enterprise with the most superior service, the most reliable quality and the most excellent performance.



磨加工一角



三维设计



三坐标检测设备



车间一角



研讨会议



加工车间一角



KS
中实二爪气动卡盘
Solid two-jaw pneumatic
chuck

01



MK
磨床卡盘
Grinding machine chuck

10



LG
轮毂卡盘
Wheel chuck

20



KS
中实三爪气动卡盘
Solid three-jaw pneumatic
chuck

02



KQ
前置式气动卡盘
Front-mounted pneumatic
chuck

11



KF
A 系列浮动爪动力卡盘
A series floating jaw
actuating chuck

21



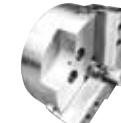
KS
中实四爪气动卡盘
Solid four-jaw pneumatic
chuck

03



KQ
前置式气动卡盘
Front-mounted pneumatic
chuck

12



KF
C 系列浮动爪动力卡盘
C series floating claw
power chuck

22



KS
中实五爪气动卡盘
Solid five-jaw pneumatic
chuck

04



KT
中空二爪动力卡盘
Hollow two-jaw power
chuck

13



KD
超大行程二爪卡盘
Oversized-stroke
2-claw chuck

23



KB
半通孔气动卡盘
Half through-hole
pneumatic chuck

05



KT
中空三爪动力卡盘
Hollow three-jaw power
chuck

14



KD
超大行程三爪卡盘
Oversized-stroke 3-claw
chuck

24



KBS
双动作气动卡盘
Double-action pneumatic
chuck

06



KT
中空四爪动力卡盘
Hollow four-jaw power
chuck

15



KX
二爪后拉式油压卡盘
Two-jaw post-tensioning
type oil pressure chuck

25



KL-TQ
立式气动卡盘
Vertical pneumatic chuck

07



KY
中实二爪动力卡盘
Solid two-jaw power
chuck

16



KX
三爪后拉式油压卡盘
Three-jaw post-tensioning
type oil pressure chuck

26



KL-TY
立式液压卡盘
Vertical hydraulic chuck

08



KY
中实三爪动力卡盘
Solid three-jaw power
chuck

17



KFD
全自动分度卡盘
Automatic index chuck

27



KL-Q/Y
二爪立式卡盘
Two-jaw vertical chuck

09



KY
中实四爪动力卡盘
Solid four-jaw power
chuck

18



SG
轴加工卡盘
Shaft processing chuck

29



KL-Q/Y
四爪立式卡盘
Four-jaw vertical chuck

09



VL
立车卡盘
Vertical lathe chuck

19



SF
轴加工卡盘
Shaft processing chuck

32



TSR
自定心中心架
 Self-centering center frame

33



CP
同步夹具
 Synchronous clamp

34



KG-L
压板式夹具
 Pressure plate clamp

35



KJT
前置式中空筒夹
 Front-mounted hollow collet chuck

37



KJA-Q
前置式中空筒夹
 Front-mounted hollow collet chuck

38



KJS
中实筒夹
 Solid chuck

39



KJZ
胀紧式筒夹
 Expansion chuck

40



JQ
激光切割机专用卡盘
 Special chuck for laser cutting machine

41



KJM-D
油压双向主轴夹座
 Oil-pressure bi-directional spindle clamp

43



KJM
油压单向主轴夹座
 Oil pressure one-way spindle holder

44



KJ-T
夹座式卡盘
 Holder type chuck

45



KH-T
高速中空回转气缸
 High-speed hollow rotary cylinder

46



RQ
中空单活塞气缸
 Hollow single piston cylinder

47



RQ-B
中空双活塞气缸
 Hollow double piston cylinder

48



KH-S
高速中实回转气缸
 Solid high-speed rotary cylinder

49



RA-B
中实双活塞气缸
 Solid double piston cylinder

50



RH
中实回转油缸
 Solid rotary oil cylinder

51



RS-N
行程检出型回转油缸
 Stroke detection type rotary oil cylinder

53



RK-LC
注水型回转油缸
 Water injection type rotary oil cylinder

54



TH
高速中空回转油缸
 High speed hollow rotary oil cylinder

55



TK
超薄型中空回转油缸
 Ultra thin hollow rotary oil hydraulic cylinder

56



TK-N
超薄型中空回转油缸
 Ultra thin hollow rotary oil hydraulic cylinder

57



RDN
双活塞测出型回转油缸
 Double piston rotary cylinder

59



CX
气缸活塞
 Cylinder piston

61



CT
接水盒组件
 Water receiving box assembly part

62



气压控制器及油压分配器
 Air pressure controller and oil pressure distributor

63



K-36
主轴箱
 Headstock

64



软爪、硬爪
 Soft jaw, hard jaw

65



连接法兰
 Flange connecting diagram

66



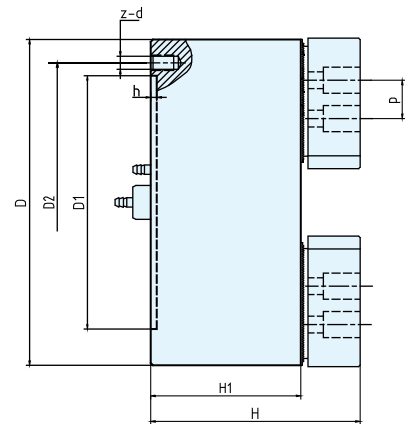
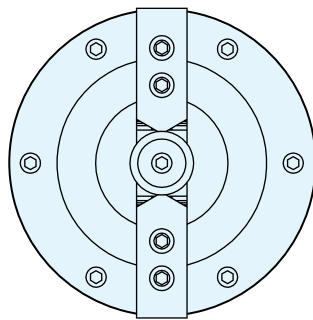
TN
T 型螺帽
 T-NUT

67

Solid two-jaw pneumatic chuck

- 专利产品，短圆柱连接形式。
 - 安装方便，连接方式采用行业标准，无需改动机床结构，与普通机械卡盘连接方式相似，具体安装可参照安装说明。
 - 该卡盘为内置式气缸，夹紧力大、密封性好、精度高、安全可靠、经济实用、使用寿命长，可夹撑弯通类、三通类、椭圆形及其他异形零件。
 - 适用于各种数控车床。
- Patented product, cylindrical form of connection.
 - Easy installation, and the connection method follows industry standards, with no change in the machine structure; similar to the connection method of general mechanical chuck, the specific installation method refers to installation instructions.
 - The chuck is a built-in cylinder with large clamping force, good sealing, high precision, safety and reliability, nice economical and practical applicability and long service life, and it can clamp siphon, three-way, oval and other special-shaped
 - Applicable to all kinds of CNC lathes.

实用新型专利号：ZL 2011 2 0346072.3



尺寸参数 Size parameter

规格 Spec.	D	D1	D2	H	H1	h	p	z-d
KS110-2	115	72	100	99	76	4	14	3-M8
KS130-2	135	95	108	117	85	4	14	3-M8
KS160-2	172	130	142	130.5	95	4	20	3-M8
KS200-2	212	165	180	136	98	5	25	3-M10
KS250-2	252	206	226	143.5	101	5	30	3-M12
KS320-2	325	270	290	165.8	116	6	30	6-M12
KS400-2	400	340	368	190	122	6	43	6-M16

性能参数 Performance parameters

规格	爪行程 (直径)	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	极限转速 r/min	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Limit speed r/min	Clamping range	Holding range	Weight
KS110-2	3.6	20(2040)	11.5(1170)	0.4-0.8	4500	2-120	15-120	4.8
KS130-2	3.8	28(2856)	18(1836)	0.4-0.8	4000	3-140	15-140	7.6
KS160-2	4.4	48(4896)	26(2652)	0.4-0.8	3600	4-180	20-180	13
KS200-2	5.2	70(7140)	42(4284)	0.4-0.8	3300	5-215	20-240	21
KS250-2	5.7	91(9282)	60(6120)	0.4-0.8	3000	10-260	30-280	33
KS320-2	8.5	138(14076)	93(9486)	0.4-0.8	2500	10-350	40-360	66.5
KS400-2	10	194(19788)	148(15096)	0.4-0.8	2000	20-420	60-400	112

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

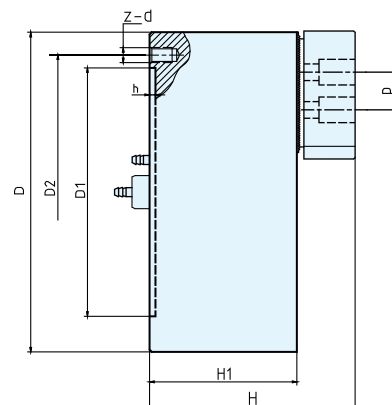
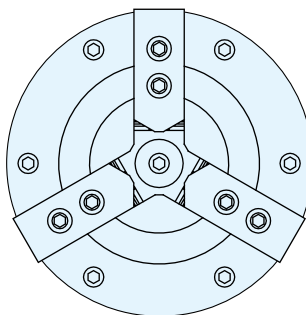
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

Solid three-jaw pneumatic chuck

- 专利产品，短圆柱连接形式。
- 该卡盘安装方便，连接方式采用行业标准，只需配备与卡盘相符的法兰即可，无需改动机床结构，与普通卡盘连接方式相同，具体安装可参照安装说明。
- 该卡盘为内置式气缸，夹紧力大、密封性好、精度高、安全可靠、经济实用、使用寿命长，适合于盘类、短轴类、齿轮类零件及大批量产品的加工。

- Patented product, cylindrical form of connection.
- The chuck is easily installed, and the connection method follows industry standards; it is simply equipped with a flange consistent with the chuck, without changes in the machine structure; similar to the connection method of general mechanical chuck, the specific installation method refers to installation instructions.
- The chuck is a built-in cylinder with large clamping force, good sealing, high precision, safety and reliability, nice economical and practical applicability and long service life, and it can be suitable for processing disc, short-shaft, gear parts and large bulk of products.

实用新型专利号：ZL 2011 2 034072.3



尺寸参数 Size parameter

规格 Spec.	D	D1	D2	H	H1	h	p	z-d
KS110-3	115	72	100	99	76	4	14	3-M8
KS130-3	135	95	108	117	85	4	14	3-M8
KS160-3	172	130	142	130.5	95	4	20	3-M8
KS200-3	212	165	180	136	98	5	25	3-M10
KS250-3	252	206	226	143.5	101	5	30	3-M12
KS320-3	325	270	290	165.8	116	6	30	6-M12
KS400-3	400	340	368	190	122	6	43	6-M16

性能参数 Performance parameters

规格	爪行程 (直径)	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	极限转速 r/min	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Limit speed r/min	Clamping range	Holding range	Weight
KS110-3	3.6	20(2040)	11.5(1170)	0.4-0.8	4500	2-120	15-120	5.5
KS130-3	3.8	28(2850)	18(1830)	0.4-0.8	4000	3-140	15-140	8.6
KS160-3	4.4	48(4890)	26(2650)	0.4-0.8	3600	4-180	18-180	15
KS200-3	5.2	70(7140)	42(4280)	0.4-0.8	3300	5-220	20-240	23.1
KS250-3	5.7	91(9280)	60(6120)	0.4-0.8	3000	10-260	30-280	33.8
KS320-3	8.5	138(14070)	93(9480)	0.4-0.8	2500	20-350	40-360	63.6
KS400-3	10	194(19780)	148(15000)	0.4-0.8	2000	30-420	60-440	118

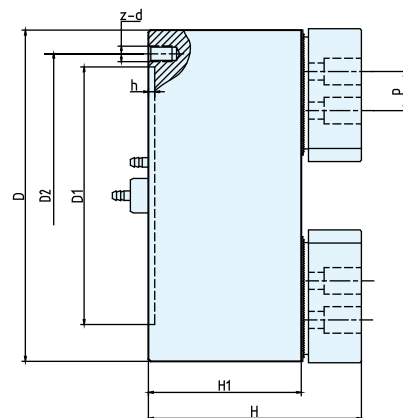
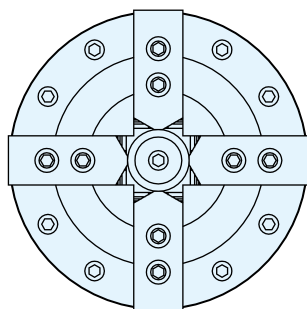
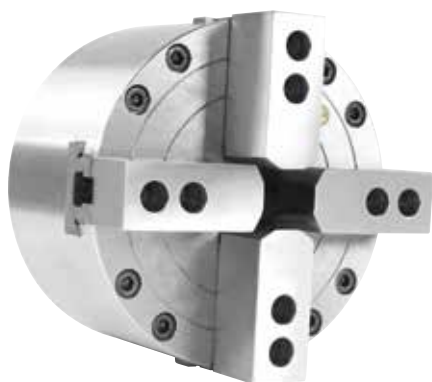
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

Solid four-jaw pneumatic chuck

- 专利产品，短圆柱连接形式。
- 安装方便，连接方式采用行业标准，只需配备与卡盘相符的法兰即可，无需改动机床结构，与普通机械卡盘连接方式相似，具体安装可参照安装说明。
- 该卡盘为内置式气缸，夹紧力大、密封性好、精度高、安全可靠、经济实用、使用寿命长，适合于方形类零件及其它异形产品的加工。
- Patented product, cylindrical form of connection.
- The chuck is easily installed, and the connection method follows industry standards; it is simply equipped with a flange consistent with the chuck, without changes in the machine structure; similar to the connection method of general mechanical chuck, the specific installation method refers to installation instructions.
- The chuck is a built-in cylinder with large clamping force, good sealing, high precision, safety and reliability, nice economical and practical applicability and long service life, and it can be suitable for processing square parts and other special-shaped parts.

实用新型专利号：ZL 2011 2 034072.3



尺寸参数 Size parameter

规格 Spec.	D	D1	D2	H	H1	h	p	z-d
KS160-4	172	130	142	130.5	95	4	20	3-M8
KS200-4	212	165	180	136	98	5	25	3-M10
KS250-4	252	206	226	143.5	101	5	30	3-M12
KS320-4	325	270	290	165.8	116	6	30	6-M12
KS400-4	400	340	368	190	122	6	43	6-M16

性能参数 Performance parameters

规格	爪行程 (直径)	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	极限转速 r/min	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Limit speed r/min	Clamping range	Holding range	Weight
KS160-4	4.4	48(4896)	26(2652)	0.4-0.8	3600	15-180	30-180	14
KS200-4	5.2	70(7140)	42(4284)	0.4-0.8	3300	20-220	40-240	24
KS250-4	5.7	91(9282)	60(6120)	0.4-0.8	3000	30-260	50-280	37
KS320-4	8.5	138(14076)	93(9486)	0.4-0.8	2500	40-350	60-360	72
KS400-4	10	194(19788)	148(15096)	0.4-0.8	2000	60-420	80-440	122

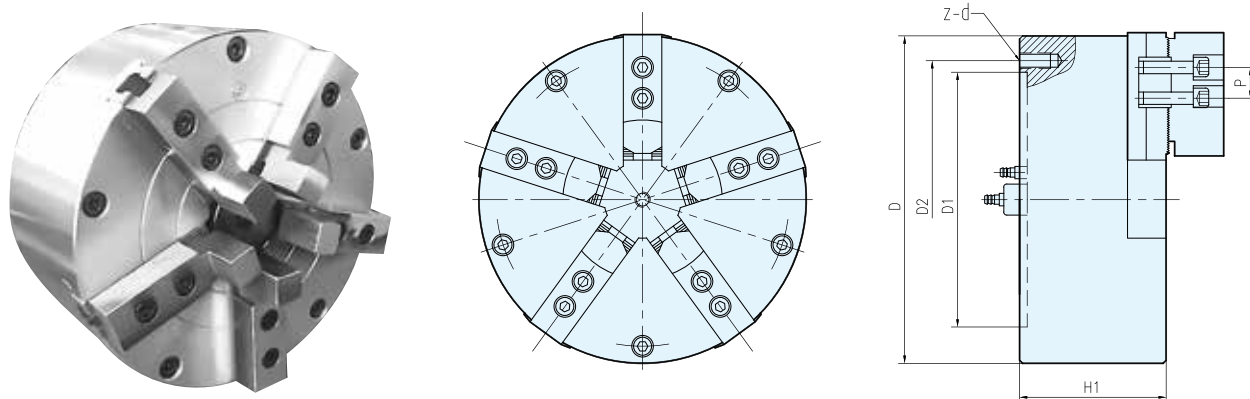
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The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

Solid five-jaw pneumatic chuck

- 专利产品，短圆柱连接形式。
- 安装方便，连接方式采用行业标准，只需配备与卡盘相符的法兰即可，无需改动机床结构，与普通机械卡盘连接方式相似，具体安装可参照安装说明。
- 该卡盘为内置式气缸，夹紧力大、密封性好、精度高、安全可靠、经济实用、使用寿命长，适合于方形类零件及其它异形产品的加工。
- Patented product, cylindrical form of connection.
- The chuck is easily installed, and the connection method follows industry standards; it is simply equipped with a flange consistent with the chuck, without changes in the machine structure; similar to the connection method of general mechanical chuck, the specific installation method refers to installation instructions.
- The chuck is a built-in cylinder with large clamping force, good sealing, high precision, safety and reliability, nice economical and practical applicability and long service life, and it can be suitable for processing square parts and other special-shaped parts.

实用新型专利号：ZL 2011 2 0346072.3



尺寸参数 Size parameter

规格 Spec.	D	D1	D2	H	H1	h	p	z-d
KS200-5	212	165	180	136	98	5	20	3-M10
KS250-5	252	206	226	143.5	101	5	30	3-M12
KS320-5	325	270	290	165.8	116	6	30	6-M12
KS400-5	400	340	368	190	122	6	43	6-M16

性能参数 Performance parameters

规格	爪行程 (直径)	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	极限转速 r/min	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Limit speed r/min	Clamping range	Holding range	Weight
KS200-5	5.2	70(7140)	42(4284)	0.4-0.8	3300	20-220	40-240	24
KS250-5	5.7	91(9282)	60(6120)	0.4-0.8	3000	30-260	50-280	37
KS320-5	8.5	138(14076)	93(9486)	0.4-0.8	2500	40-350	60-360	72
KS400-5	10	194(19788)	148(15096)	0.4-0.8	2000	60-420	80-440	122

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

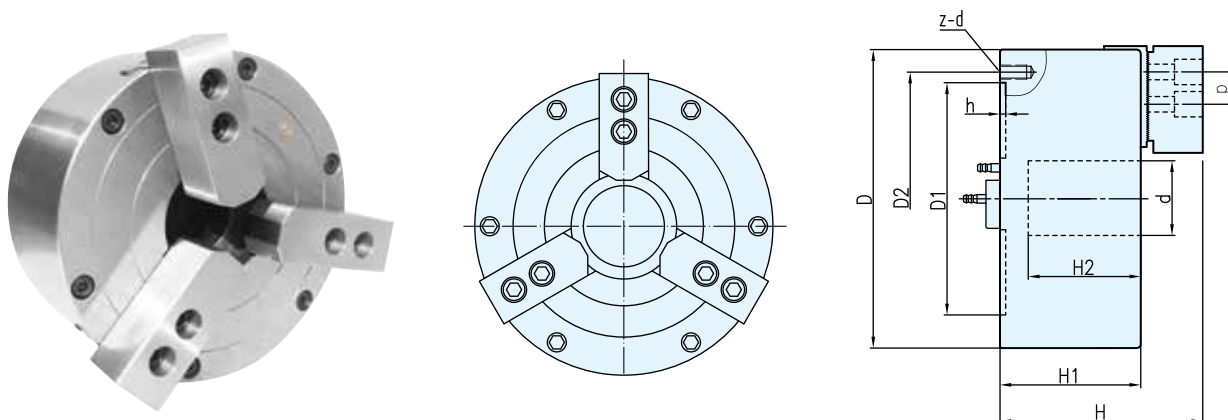
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

Half through-hole pneumatic chuck

- 专利产品，短圆柱连接形式。
- 该卡盘安装方便，主轴连接方式采用行业标准，只需配有与卡盘尺寸相符的法兰即可，无需改变机床结构。
- 卡盘连接方式，具体安装可参照说明内的安装方式。
- 该卡盘为内置式气缸，通过主轴尾部气压控制机构实现加紧与松开动作。
- 卡盘中心为半通孔形式，适用于加工较长的轴类零件。

- Patented product, cylindrical form of connection.
- The chuck is easily installed, and the connection method of its spindle follows industry standards; it is simply equipped with a flange consistent with the chuck, without changes in the machine structure.
- The specific installation method for the chuck refers to the installation instructions.
- The chuck is a built-in cylinder, and it is stepped up and released through the air pressure control mechanism at the spindle rear.
- The chuck center is half-through-hole form, and the chuck is suitable for processing long-shaft parts.
- We can supply the patterns of two-jaw, four-jaw, etc.

可提供二爪、四爪等形式。



尺寸参数 Size parameter

规格 Spec.	D	D1	D2	d	H	H1	H2	h	p	z-d
KB130-3	135	95	108	26	120.5	90	77.5	4	14	3-M8
KB160-3	172	130	142	36	135.2	100	87	4	20	3-M8
KB200-3	212	165	180	52	144	106	91	5	25	3-M10
KB250-3	252	206	226	66/75	152	109	95.5	5	30	3-M12
KB320-3	325	270	290	80/91	175	125	109.0	5	30	6-M12
KB400-3	400	340	368	120	210	138	115	6	43	6-M16

性能参数 Performance parameters

规格	爪行程 (直径)	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	极限转速 r/min	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Limit speed r/min	Clamping range	Holding range	Weight
KB130-3	3.6	25(2549)	16(1630)	0.4-0.8	4000	3-140	15-140	8.8
KB160-3	4.2	42.3(4314)	23.5(2397)	0.4-0.8	3600	2-170	20-180	15.7
KB200-3	5.0	62.5(3675)	35.6(3630)	0.4-0.8	3200	5-210	20-240	24.9
KB250-3	5.7	75.0(7650)	39.5(4029)	0.4-0.8	2800	10-260	30-280	36.7
KB320-3	8.5	128(13056)	73(7446)	0.4-0.8	2300	10-350	40-360	68
KB400-3	12	175(17850)	98(9996)	0.4-0.8	1500	15-420	50-430	140

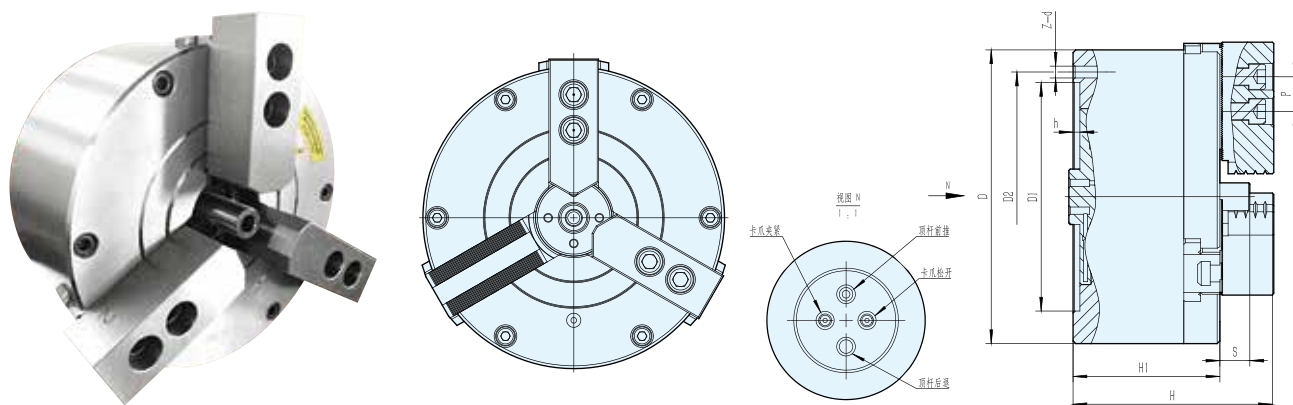
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

Double-action pneumatic chuck

- 专利产品，短圆柱连接形式，安装方便。
- 内置式动力气缸，夹紧力大，密封性好，安全可靠，经济实用。
- 中间带伸缩顶杆，可以作为工件的轴向定位，也可以做用于工件的自动顶出，盘类轴类零件均可使用。
- 本产品在使用时只需配备本公司的KQ70-4四路气压控制器即可。
- Patented product adopts short cylindrical connection for convenient installation.
- Built-in actuating cylinder, having big clamping force, good sealing, safe and reliable; Economic and practical.
- The telescopic push rod in the middle can serve as a axial positioning for the workpiece, can also be used for the automatic push-out of the workpiece, which can be used for parts of plate type and shaft type.
- This product can be used just after being equipped with KQ70-4 four-way pressure controller of the company.

实用新型专利号：ZL 2016 2 1012726.8



尺寸参数 Size parameter

规格 Spec.	D	D1	D2	d	H	H1	H2	h	p	z-d	S 顶杆行程
KB130S-3	135	95	108	26	120.5	90	77.5	4	14	3-M8	15
KB160S-3	172	130	142	36	135.2	100	87	4	20	3-M8	20
KB200S-3	212	165	180	52	144	106	91	5	25	3-M10	25
KB250S-3	252	206	226	66/75	152	109	95.5	5	30	3-M12	30
KB320S-3	325	270	290	80/91	175	125	109.0	5	30	6-M12	30
KB400S-3	400	340	368	120	210	138	115	6	43	6-M16	30

性能参数 Performance parameters

规格	爪行程 (直径)	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	极限转速 r/min	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Limit speed r/min	Clamping range	Holding range	Weight
KB130S-3	3.6	25(2549)	16(1630)	0.4-0.8	4000	3-140	15-140	8.8
KB160S-3	4.2	42.3(4314)	23.5(2397)	0.4-0.8	3600	2-170	20-180	15.7
KB200S-3	5.0	62.5(6375)	35.6(3630)	0.4-0.8	3200	5-210	20-240	24.9
KB250S-3	5.7	75.0(7650)	39.5(4029)	0.4-0.8	2800	10-260	30-280	36.7
KB320S-3	8.5	128(13056)	73(7446)	0.4-0.8	2300	10-350	40-360	68
KB400S-3	12	175(17850)	98(9996)	0.4-0.8	1500	15-420	50-430	140

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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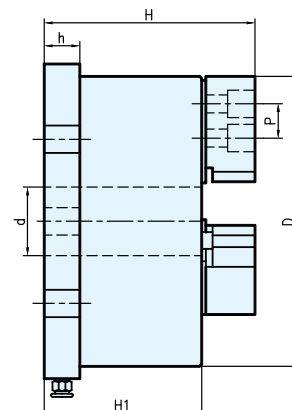
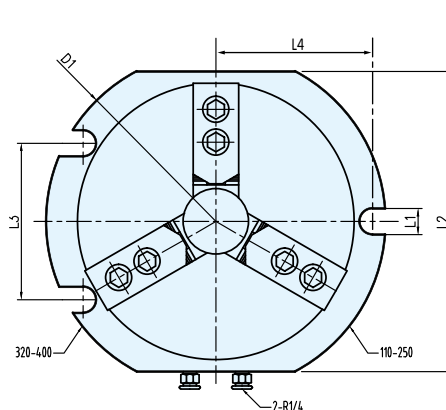
KL-TQ 立式气动卡盘



Vertical pneumatic chuck

- 专利产品，立式带底板形。
- 该卡盘为内置式气缸，安装方便，从侧面进气实现夹紧和松开动作，无需另配动力源，一个工作空间内可同时安装多台，实现多工位加工，提高生产效率。
- 该卡盘适合于钻床、攻丝机、铣床、立式车床及加工中心机床使用。
- Patented product, vertical with base plate.
- The chuck is a built-in cylinder and is easily installed, with no additional power source, and air enters from the side to achieve clamping and releasing. Multiple chucks can be installed in a workspace at the same time to achieve multi-station machining, thus to improve the production efficiency.
- The chuck is suitable for drilling and tapping machines, milling machines, vertical lathes and machining centers.

实用新型专利号：ZL 2012 2 0368405.7



尺寸参数 Size parameter

规格 Spec.	D	D1	d	L1	L2	L3	L4	H	H1	h	p
KL110TQ-3	115	158	16	2-15	120	/	66	117	94	22	14
KL130TQ-3	135	175	23	2-15	140	/	78	132.5	102	26	14
KL160TQ-3	172	218	36	2-17	180	/	96	150	115	26	20
KL200TQ-3	212	265	52	2-17	222	/	118	158.5	120.5	35	25
KL250TQ-3	252	310	66/75	2-20	260	/	140	168	125	36	30
KL320TQ-3	328	400	80/91	4-20	340	150	160	197	146	39	30
KL400TQ-3	400	480	110/180	4-22	420	150	210	226	157	39	43

性能参数 Performance parameters

规格	爪行程 (直径)mm	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Clamping range	Holding range	Weight
KL110TQ-3	3.2	14 (1426)	8.5 (867)	0.4-0.8	3-115	15-120	7.8
KL130TQ-3	3.6	16 (1630)	10 (1020)	0.4-0.8	5-130	15-140	11.5
KL160TQ-3	4.0	30 (3060)	22 (2240)	0.4-0.8	5-170	20-180	20.3
KL200TQ-3	5.0	48 (4890)	36 (3670)	0.4-0.8	10-210	25-230	32.9
KL250TQ-3	5.7	67 (6830)	50 (5100)	0.4-0.8	20-250	30-260	45.5
KL320TQ-3	8.5	107 (10910)	80 (8160)	0.4-0.8	30-320	40-340	92.3
KL400TQ-3	10	150 (15300)	115 (11730)	0.4-0.8	40-400	60-420	120

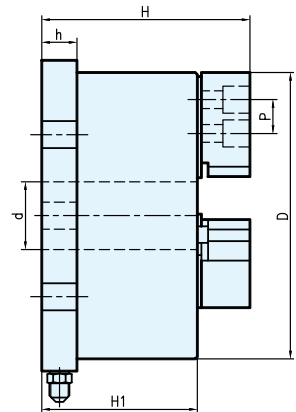
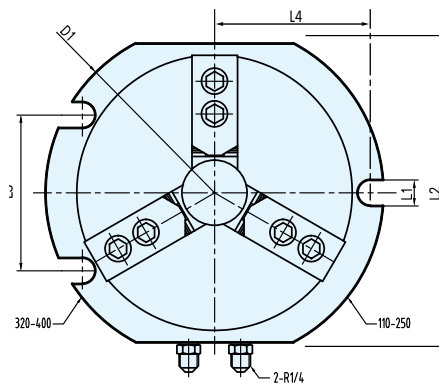
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

Vertical hydraulic chuck

- 专利产品，立式带底板形。
 - 该卡盘为内置式液压缸，安装方便，从侧面进液实现夹紧和松开动作，无需另配动力源，一个工作空间内可同时安装多台，实现多工位加工，提高生产效率。
 - 该卡盘适合于钻床、攻丝机、铣床、立式车床及加工中心机床使用。
- Patent product, vertical with base plate.
 - The chuck is a built-in cylinder and is easily installed, with no additional power source, and air enters from the side to achieve clamping and releasing. Multiple chucks can be installed in a workspace at the same time to achieve multi-station machining, thus to improve the production efficiency.
 - The chuck is suitable for drilling and tapping machines, milling machines, vertical lathes and machining centers.

实用新型专利号：ZL 2012 2 0368405.7



尺寸参数 Size parameter

规格 Spec.	D	D1	d	L1	L2	L3	L4	H	H1	h	p
KL110TY-3	115	158	16	2-15	120	/	66	117	94	22	14
KL130TY-3	135	175	23	2-15	140	/	78	132.5	102	26	14
KL160TY-3	172	218	36	2-17	180	/	96	150	115	26	20
KL200TY-3	212	265	52	2-17	222	/	118	158.5	120.5	35	25
KL250TY-3	252	310	66/75	2-20	260	/	140	162	125	36	30
KL320TY-3	328	400	80/91	4-20	340	150	160	197	146	39	30
KL400TY-3	400	480	110/180	4-22	420	150	210	226	157	39	43

性能参数 Performance parameters

规格	爪行程 (直径) mm	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Clamping range	Holding range	Weight
KL110TY-3	3.2	24 2440	16 1630	0.4-1.5	3-115	15-120	7.8
KL130TY-3	3.6	30 3060	20 2040	0.4-1.5	5-130	15-140	11.5
KL160TY-3	4.0	52 5300	34 3460	0.4-1.5	5-170	20-180	20.3
KL200TY-3	5.0	82 8360	50 5100	0.4-1.5	10-210	25-230	32.9
KL250TY-3	5.7	113 11520	70 7140	0.4-1.5	20-250	30-260	45.5
KL320TY-3	8.5	134 13660	98 9990	0.4-1.0	30-320	40-340	92.3
KL400TY-3	10	195 19890	130 13260	0.4-1.0	40-400	60-420	148

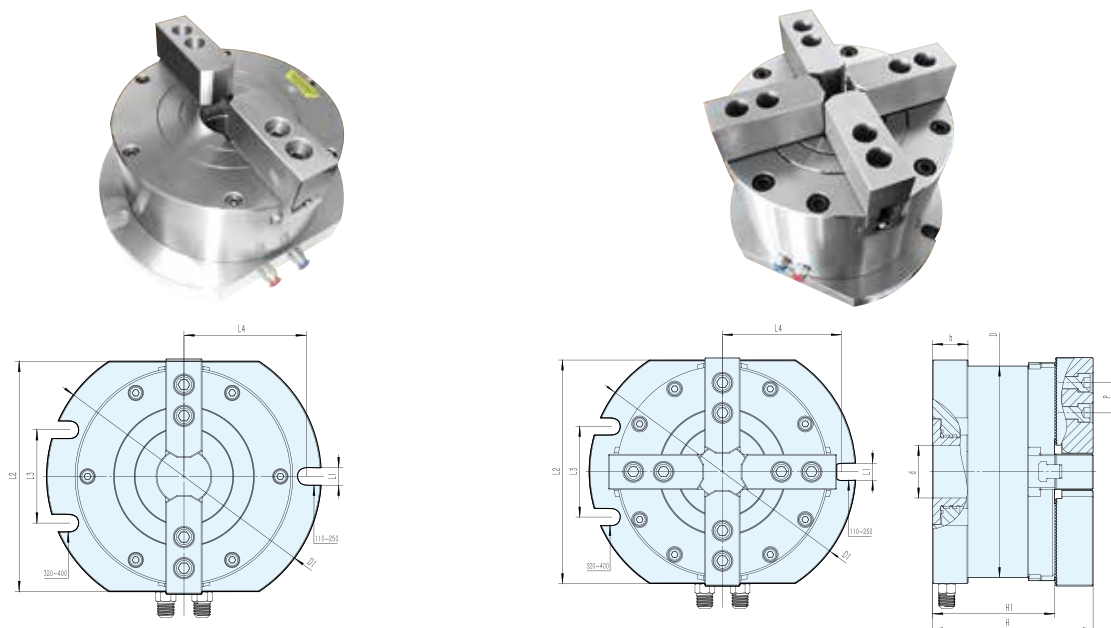
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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KL-Q/Y 二、四爪立式卡盘



Two, Four-jaw vertical chuck



实用新型专利号：ZL 2012 2 0368405.7

- 专利产品，立式带底板形。
- 该卡盘为内置式气缸，安装方便，从侧面进气实现夹紧和松开动作，无需另配动力源，一个工作空间内可同时安装多台，实现多工位加工，提高生产效率。
- 该卡盘适合于钻床、攻丝机、铣床、立式车床及加工中心机床使用。

- Patented product, vertical with base plate.
- The chuck is a built-in cylinder and is easily installed, with no additional power source, and air enters from the side to achieve clamping and releasing. Multiple chucks can be installed in a workspace at the same time to achieve multi-station machining, thus to improve the production efficiency.
- The chuck is suitable for drilling and tapping machines, milling machines, vertical lathes and machining centers.

尺寸参数 Size parameter

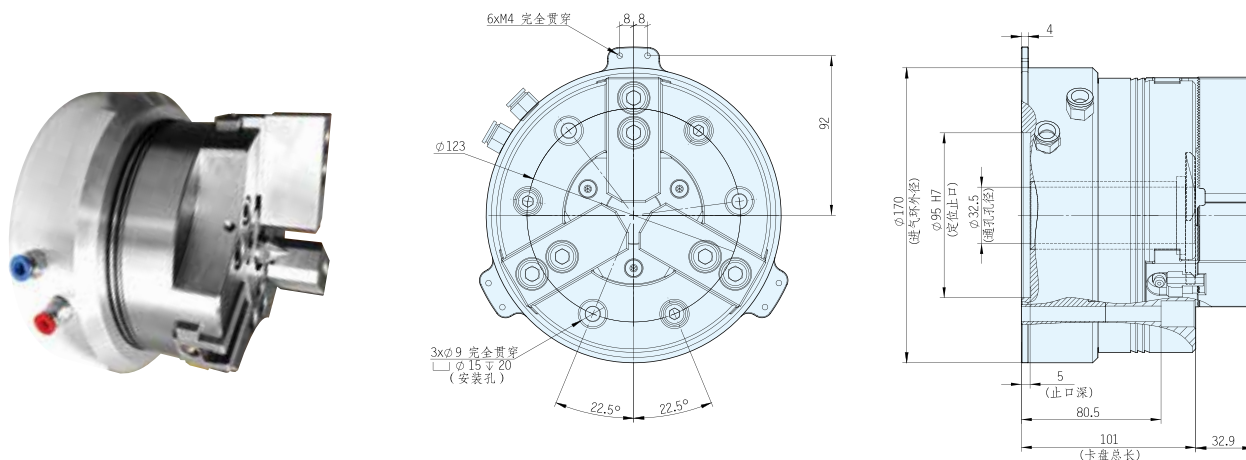
规格 Spec.	D	D1	d	L1	L2	L3	L4	H	H1	h	p
KL110T-2	115	158	16	2-15	120	/	66	117	94	22	14
KL130T-2	135	175	23	2-15	140	/	78	132.5	102	26	14
KL160T-2/4	172	218	36	2-17	180	/	96	150	115	26	20
KL200T-2/4	212	265	52	2-17	222	/	118	158.5	120.5	35	25
KL250T-2/4	252	310	66/75	2-20	260	/	140	168	125	36	30
KL320T-2/4	328	400	80/91	4-20	340	150	160	197	146	39	30
KL400T-2/4	400	480	110/180	4-22	420	150	210	226	157	39	43

性能参数 Performance parameters

规格	爪行程 (直径)mm	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Clamping range	Holding range	Weight
KL110T-2	3.2	14 (1426)	8.5 (867)	0.4-0.8	3-115	15-120	7.8
KL130T-2	3.6	16 (1630)	10 (1020)	0.4-0.8	5-130	15-140	11.5
KL160T-2/4	4.0	30 (3060)	22 (2240)	0.4-0.8	5-170	20-180	20.3
KL200T-2/4	5.0	48 (4890)	36 (3670)	0.4-0.8	10-210	25-230	32.9
KL250T-2/4	5.7	67 (6830)	50 (5100)	0.4-0.8	20-250	30-260	45.5
KL320T-2/4	8.5	107 (10910)	80 (8160)	0.4-0.8	30-320	40-340	92.3
KL400T-2/4	10	150 (15300)	115 (11730)	0.4-0.9	40-400	60-420	120

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.



实用新型专利号：ZL 2016 1 1025605.1

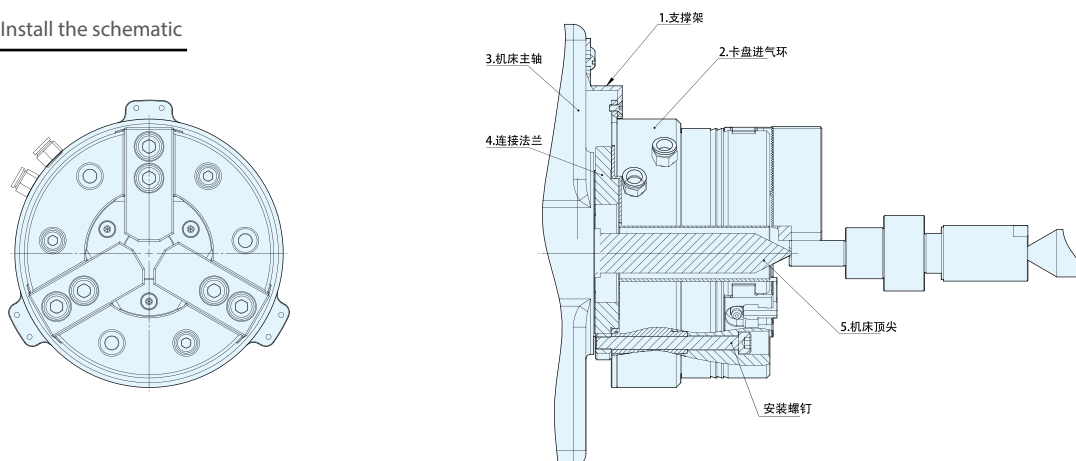
技术特点 Technical features

- MK系列前置式气压浮动爪卡盘，采用独特的专利结构，所有滑动面经硬化及研磨处理，大大提高了使用的耐久性；
- 安装方便，通过转接法兰直接将卡盘紧固即可；
- 补偿式夹持爪，有径向偏移功能；
- 夹持方向平推受力，与普通动力卡盘夹紧方式相同；
- 齿形基爪设计，调节方便。
- MK series front-load pneumatic floating jaw chuck adopts unique patent structure, and all sliding surfaces take hardening and grinding process, which has greatly increased the durability of use;
- Easy installation, tightening the chuck directly through adapter flange;
- Compensating gripper jaw has the radial offset function;
- The horizontal pushing force is at the gripping direction, which is the same as the clamping way of ordinary actuating chuck;
- Tooth base claw design is convenient for adjustment.

用途 Applications

- 配合磨床使用，可以更好的实现轴类零件自动化夹持及磨削作业，解决了磨床自动化加工的自动夹持难题；
- 采用中心通孔设计，不改变原固定顶尖的安装形式，使顶尖在二次加工时得到更高的定心精度。
- It can be matched with the grinding machine for better realization of the automatic clamping and grinding operation of shaft parts, and the automatic clamping problems on the automation processing of the grinding machine are solved;
- The center through hole design is adopted, which does not change the original fixed top installation form, but make the top reach higher centering accuracy in secondary process.

安装示意 Install the schematic



性能参数 Performance parameters

规格	爪行程 (直径) mm	爪齿标准	夹持范围 mm	许用压力 MPa	爪浮动量 mm	最高转速 (r.p.m.)	重量 kg (不含法兰)
Spec.	Jaw stroke (diameter)	Claw teeth standard	Clamping range	Permissible pressure	Jaw floating momentum	Maximum speed	Weight (Not containing flange)
MK06-3	4	1.5°60°	5-50	0.4-0.8	±1.0	600	15

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

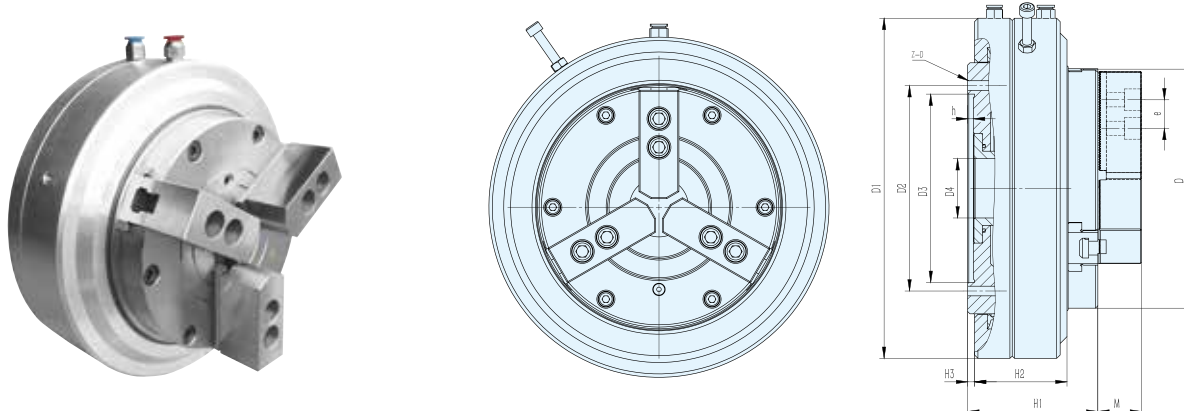
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

Front-mounted pneumatic chuck

- 专利结构，短圆柱后锁螺钉连接形式。
- 该卡盘安装方便，连接方式采用行业标准，无需改动原机床结构，气缸和卡盘一体式设计，机床前后可以各装一台同时使用。
- 该卡盘孔径大，内含单向阀，夹紧可靠，旋转时密封装置为脱离状态，使用寿命长。
- 使用原理：卡盘夹紧动力源为压缩空气，当压缩空气通过配气环进入单向阀后再进入卡盘气缸内，推动活塞，使卡爪夹紧工件，夹紧后换向阀断电，气缸内的气压由单向阀密封，配气环上的密封装置松开，不接触卡盘本体，此时即可启动设备进行正常工作。
- 注意事项：因为夹紧、松开时为通气状态，此时配气环上的特制密封件箍紧卡盘体外圆，所以卡盘在夹紧和松开工件时机床主轴应停止旋转。
- 可实现夹紧和撑紧两种功能。
- 需要前锁连接形式时，订货前与我公司联系。

发明专利号：ZL 2015 10398341.3

- Short cylinder rear-lock screw connection form
- The chuck is easily installed, and its connection method follows industry standards, without having to change the original machine tool structure; the cylinder and chuck are integrated and designed, and one chuck can be mounted in front of and at the back of machine tools respectively to use at the same time.
- The chuck has a big bore diameter, and contains a one-way valve and has the function of reliable clamping; while the chuck is rotating, the sealing device is in the disengaged position, so it has a long service life
- Working principle: the clamping power source of the chuck is compressed air; when compressed air flows into the one-way valve through a distributing ring and then into the chuck cylinder, thus to drive the piston, so that the jaw clips a workpiece tightly; then, the reversing valve is powered off, and the air pressure within the cylinder is sealed by the one-way valve. The sealing device of the distributing ring is released, not to contact the chuck body, and the equipment can be started for normal work at this time.
- Note: because the chuck is ventilated in the clamping and released state, and the special sealing element on the distributing ring clamps the excircle of the chuck body tightly, so the machine tool spindle should stop rotating while the chuck is clamping and releasing the workpiece.
- With two functions of clamping and holding.
- When front-locking connection form is required, contact us before ordering.



尺寸参数 Size parameter

规格 Spec.	D	D1	D2	D3	D4	e	H1	H2	H3	M	h	Z-d
KQ110T-3	120	185	100	72	15	14	90	59	2	27	4	3-M8
KQ130T-3	139.5	210	108/120	95	25	14	95	65	6	29	4	3-M8
KQ160T-3	180	248	142	130	36	20	105	74	3	34	5	6-M8
KQ200T-3	210	298	180	165	52	25	114	81	6	39	5	6-M10
KQ250T-3	256	346	226	206	75	30	118	79.5	11	44	5	6-M12
KQ320T-3	325	425	290	270	100	30	141	91	12.5	52	6	6-M12

性能参数 Performance parameters

规格	许用压力 Mpa	爪行程 (直径) mm	楔型角	最大夹持面积 cm ²	最高转速 r/min	重量 kg
Spec.	Permissible pressure Mpa	Jaw stroke (diameter)	Wedge Angle	Maximum static clamping force KN	Maximum speed r/min	Weight
KQ110T-3	0.4-0.8	3.6	14°	39.5	3000	10.5
KQ130T-3	0.4-0.8	3.6	7°	54.8	2800	15.3
KQ160T-3	0.4-0.8	4.0	8°	134.3	2300	23
KQ200T-3	0.4-0.8	5.0	8°	193.8	2000	36
KQ250T-3	0.4-0.8	6.0	9°	285.8	1800	50
KQ320T-3	0.4-0.8	10	14°	497.6	1400	72

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

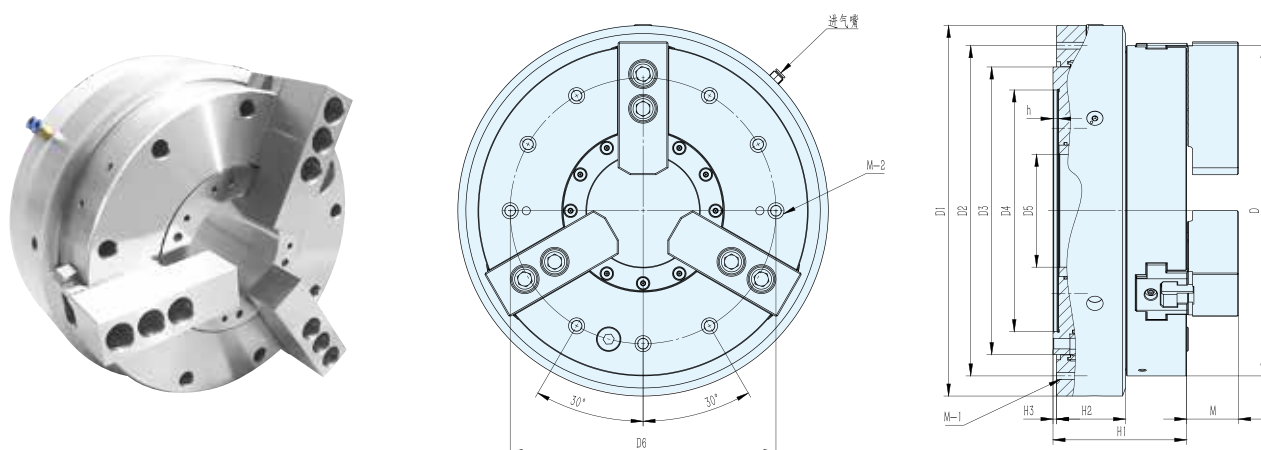
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

Front-mounted pneumatic chuck

- 专利结构，短圆柱前锁螺钉连接形式。
- 该卡盘安装方便，连接方式采用行业标准，无需改动原机床结构，气缸和卡盘一体式设计，机床前后可以各装一台同时使用。
- 该卡盘孔径大，内含单向阀，夹紧可靠，旋转时密封装置为脱离状态，使用寿命长。
- 使用原理：卡盘夹紧动力源为压缩空气，当压缩空气通过配气环进入单向阀后再进入卡盘气缸内，推动活塞，使卡爪夹紧工件，夹紧后换向阀断电，气缸内的气压由单向阀密封，配气环上的密封装置松开，不接触卡盘本体，此时即可启动设备进行正常工作。
- 注意事项：因为夹紧、松开时为通气状态，此时配气环上的特制密封件箍紧卡盘体外圆，所以卡盘在夹紧和松开工件时机床主轴应停止旋转。
- 可实现夹紧和撑紧两种功能。

- Short cylinder front-lock screw connection form
- The chuck is easily installed, and its connection method follows industry standards, without having to change the original machine tool structure; the cylinder and chuck are integrated and designed, and one chuck can be mounted in front of and at the back of machine tools respectively to use at the same time.
- The chuck has a big bore diameter, and contains a one-way valve and has the function of reliable clamping; while the chuck is rotating, the sealing device is in the disengaged position, so it has a long service life
- Working principle: the clamping power source of the chuck is compressed air; when compressed air flows into the one-way valve through a distributing ring and then into the chuck cylinder, thus to drive the piston, so that the jaw clips a workpiece tightly; then, the reversing valve is powered off, and the air pressure within the cylinder is sealed by the one-way valve. The sealing device of the distributing ring is released, not to contact the chuck body, and the equipment can be started for normal work at this time.
- Note: because the chuck is ventilated in the clamping and released state, and the special sealing element on the distributing ring clamps the excircle of the chuck body tightly, so the machine tool spindle should stop rotating while the chuck is clamping and releasing the workpiece.
- With two functions of clamping and holding.

发明专利号：ZL 2015 10398341.3



尺寸参数 Size parameter

规格 Spec.	D	D1	D2	D3	D4	D5	D6	H1	H2	H3	M	h	M-1	M-2
KQ400T-3	410	460	410	357	300	140/160	330	166	85.5	4.5	65	7	6-M10	9-M12
KQ500T-3	510	540	520	461	380	215	435	179	86	4.5	74	7	6-M10	9-M16

性能参数 Performance parameters

规格	许用压力 Mpa	爪行程 (直径) mm	楔型角	最大夹持面积 cm ²	最高转速 r/min	重量 kg
Spec.	Permissible pressure Mpa	Jaw stroke (diameter)	Wedge Angle	Maximum static clamping force KN	Maximum speed r/min	Weight
KQ400T-3	0.4~0.8	12	16°	421	1400	165
KQ500T-3	0.4~0.8	16	16°	691	1200	205

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

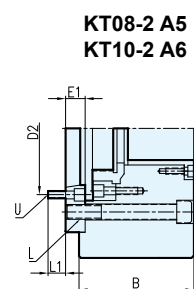
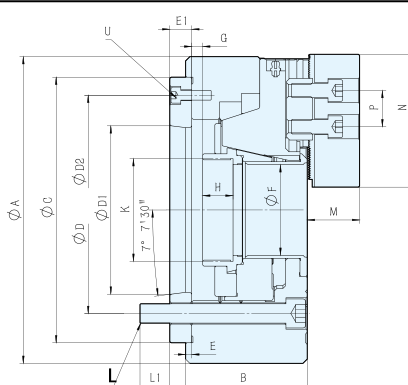
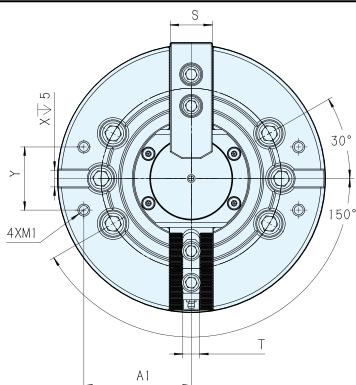
KT 中空二爪动力卡盘

Hollow two-jaw power chuck



- 楔形通孔卡盘，符合日、台标准。
- 所有滑动面均采用硬化处理及精密研磨。
- 高刚性结构及高夹持精度。

- The wedge-shaped through-hole chuck meets the Japanese and Taiwanese standards.
- All sliding surfaces adopt hardened treatment and precision grinding.
- High rigidity structure and high clamping accuracy.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	D1	D2	E	E1	F	Gmax.	Gmin.	H
KT04-2	110	59	85	70.6	—	—	4	—	26	3.5	-6.5	17.5
KT05-2 A4	135	60	110	82.6	63.51	96	4	20	33	1	-9	20
KT06-2 A5	165	81	140	104.8	82.56	116	5	15	45	11	-1	19
KT08-2 A5	210	91	170	133.4	82.56	104.8	5	23	52	14.5	-1.5	20.5
KT08-2 A6	210	91	170	133.4	106.38	150	5	17	52	14.5	-1.5	20.5
KT10-2 A6	254	100	220	171.4	106.38	133.4	5	25	75	9	10	25
KT10-2 A8	254	100	220	171.4	139.72	190	5	18	75	9	10	25
KT12-2 A8	304	110	220	171.4	139.72	190	6	18	91	8	-15	28

规格 Spec.	Kmax.	L	L1	M	N	P	S	T	U	X	Y	A1	4-M1
KT04-2	M32×1.5	4-M10	16	24	52	14	25	10	—	—	—	—	—
KT05-2 A4	M40×1.5	4-M10	15	15	31	62	14	25	10	3-M6	12	30	M8
KT06-2 A5	M55×2	6-M10	16	16	37	73	20	31	12	3-M6	16	36	M8
KT08-2 A5	M60×2	6-M12	20	17	38	95	25	35	14	6-M10	16	45	M8
KT08-2 A6	M60×2	6-M12	20	18	38	95	25	35	14	3-M6	16	45	M8
KT10-2 A6	M85×2	6-M16	22	18	43	110	30	40	16	6-M12	16	60	M10
KT10-2 A8	M85×2	6-M16	22	24	43	110	30	40	16	3-M8	16	60	M10
KT12-2 A8	M100×2	6-M16	23	25	51	130	30	50	21	3-M8	20	60	M10

性能参数 Performance parameters

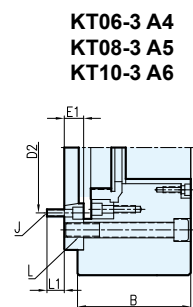
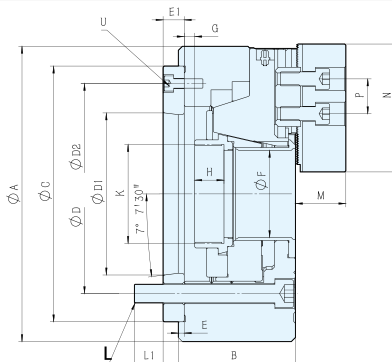
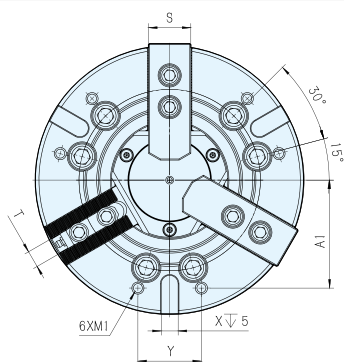
规格	楔心行程 mm	爪行程 (直径) mm	夹持直径 Chucking Dia.mm		容许油压缸推力 KN(kgf)	最大夹持力 KN (kgf)	最高回转数 min~l(r.p.m)	I	重量 kg	适用回转缸	最大使用压力
Spec.	Plunger stroke	Jaw stroke (Dia.)	最大 Max.	最小 Min.	Max.D.B.pull	Max.clamping force	Max.speed	Kg.m ²	Weight	Matching cyl.	Max.pressure Mpa(kgf/cm ²)
KT04-2	10	5.4	110	7	9.2(940)	18.9(1930)	8000	0.01	3.8	TK428	1.6(16)
KT05-2 A4	10	5.4	135	12	11.7(1190)	23.9(2440)	7000	0.02	6.5	TK536	2.0(20)
KT06-2 A5	12	5.5	168	15	14.4(1470)	37.9(3870)	6000	0.06	11.5	TK646	1.9(19)
KT08-2 A5	16	7.4	210	13	23.1(2360)	57.2(5840)	5000	0.17	21.3	TK852	1.9(19)
KT08-2 A6	16	7.4	210	13	23.1(2360)	57.2(5840)	5000	0.17	21.3	TK852	1.9(19)
KT10-2 A6	19	8.8	254	31	28.4(2900)	73.9(7540)	4200	0.31	33.5	TK1075	1.8(18)
KT10-2 A8	19	8.8	254	31	28.4(2900)	73.9(7540)	4200	0.31	33.5	TK1075	1.8(18)
KT12-2 A8	23	10.6	304	34	36.7(3740)	95.8(9780)	3300	0.70	59.7	TK1291	1.8(18)

注：红色数据为 A 型之尺寸。

Notes: data in red is size for Type-A.



- 楔形通孔卡盘，符合日、台标准。
 - 所有滑动面均采用硬化处理及精密研磨。
 - 高刚性结构及高夹持精度。
- The wedge-shaped through-hole chuck meets the Japanese and Taiwanese standards.
 - All sliding surfaces adopt hardened treatment and precision grinding.
 - High rigidity structure and high clamping accuracy.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	D1	D2	E	E1	F	G1	G2	H
KT04-3	110	59	85	70.6	—	—	4	—	26	3.5	-6.5	17.5
KT05-3 A4	135	60	110	82.6	63.51	96	4	20	33	1	-9	20
KT06-3 A4	165	81	140	104.8	63.51	116	5	20	45	11	-1	19
KT06-3 A5	165	81	140	104.8	82.56	116	5	15	45	11	-1	19
KT08-3 A5	210	91	170	133.4	82.56	104.8	5	23	52	14.5	-1.5	20.5
KT08-3 A6	210	91	170	133.4	106.38	150	5	17	52	14.5	-1.5	20.5
KT10-3 A6	254	100	220	171.4	106.38	133.4	5	25	75	9	-10	25
KT10-3 A8	254	100	220	171.4	139.72	190	5	18	75	9	-10	25
KT12-3 A8	304	110	220	171.4	139.72	190	6	18	91	8	-15	28
KT15-3 A8	381	133	300	235	139.72	171.4	6	33	120	11	-12	42.5
KT15-3 A11	381	133	300	235	196.87	260	6	22	120	11	-12	42.5

规格 Spec.	Kmax.	L	L1	M	N	P	S	T	U	X	Y	A1	6-M1
KT04-3	M32×1.5	3-M10	16	24	52	14	25	10	—	—	—	—	—
KT05-3 A4	M40×1.5	3-M10	15	15	31	62	14	25	10	3-M6	—	30	53
KT06-3 A4	M55×2	6-M10	16	16	37	73	20	31	12	6-M10	16	36	65
KT06-3 A5	M55×2	6-M10	16	16	37	73	20	31	12	3-M6	16	36	65
KT08-3 A5	M60×2	6-M12	20	17	38	95	25	35	14	6-M10	16	45	80
KT08-3 A6	M60×2	6-M12	20	18	38	95	25	35	14	3-M6	16	45	80
KT10-3 A6	M85×2	6-M16	22	18	43	110	30	40	16	6-M12	16	60	102
KT10-3 A8	M85×2	6-M16	22	24	43	110	30	40	16	3-M8	16	60	102
KT12-3 A8	M100×2	6-M16	23	25	51	130	30	50	21	3-M8	20	60	115
KT15-3 A8	M130×2	6-M20	30	24	63	165	43	62	25.5 or 22	6-M16	20	80	150
KT15-3 A11	M130×2	6-M20	30	28	63	165	43	62	25.5 or 22	3-M10	20	80	150

性能参数 Performance parameters

规格	楔心行程 mm	爪行程 (直径)mm	夹持直径 Chucking Dia.mm		容许油缸推力 KN(kgf)	最大夹持力 KN(kgf)	最高回转数 min~1(r.p.m)	I	重量 kg	适用回转缸	最大使用压力
Spec.	Plunger stroke	Jaw stroke (Dia.)	最大 Max.	最小 Min.	Max.D.B.pull	Max.clamping force	Max.speed	Kg.m ²	Weight	Matching cyl.	Max.pressure Mpa(kgf/cm ²)
KT04-3	10	5.4	110	7	13.7(1400)	28.4(2900)	8000	0.01	4	TK428	2.3(23)
KT05-3	A4 10	5.4	135	12	17.1(1750)	35.8(3650)	7000	0.02	6.7 7.5	TK536	2.9(29)
KT06-3	A4 12	5.5	168	15	21.5(2200)	56.8(5800)	6000	0.06	11.9 14.3	TK646	2.8(28)
KT06-3	A5 12	5.5	168	15	21.5(2200)	56.8(5800)	6000	0.06	11.9 13.7	TK646	2.8(28)
KT08-3	A5 16	7.4	210	13	34.3(3500)	85.8(8750)	5000	0.18	22.5 25.4	TK852	2.8(28)
KT08-3	A6 16	7.4	210	13	34.3(3500)	85.8(8750)	5000	0.18	22.5 23.6	TK852	2.8(28)
KT10-3	A6 19	8.8	254	31	42.6(4380)	110.7(11300)	4200	0.33	34.5 41.5	TK1075	2.7(27)
KT10-3	A8 19	8.8	254	31	42.6(4380)	110.7(11300)	4200	0.33	34.5 40	TK1075	2.7(27)
KT12-3	A8 23	10.6	304	34	54.9(5600)	143.6(14650)	3300	0.77	56.6 59.5	TK1291	2.7(27)
KT15-3	A8 23	10.6	381	50	71(7250)	179.8(18350)	2500	2.47	120 134	TK1512	2.1(22)
KT15-3	A11 23	10.6	381	50	71(7250)	179.8(18350)	2500	2.39	120 127	TK1512	2.1(22)

注：红色数据为 A 型之尺寸。

Notes: data in red is size for Type-A.

KT 中空四爪动力卡盘

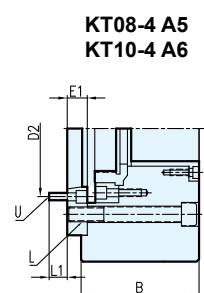
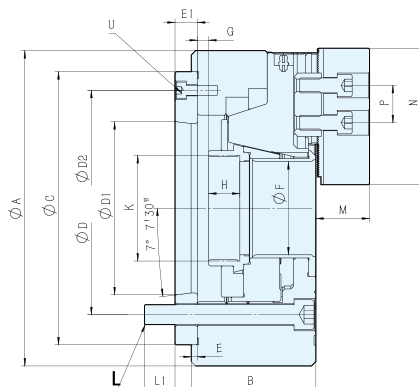
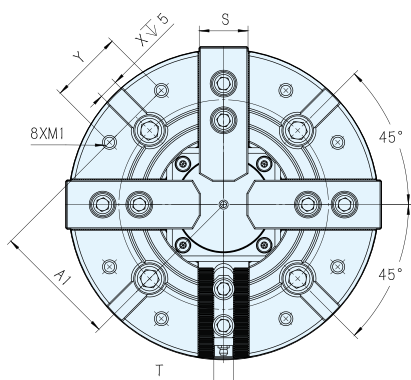


Hollow four-jaw power chuck



- 楔形通孔卡盘，符合日、台标准。
- 所有滑动面均采用硬化处理及精密研磨。
- 高刚性结构及高夹持精度。

- The wedge-shaped through-hole chuck meets the Japanese and Taiwanese standards.
- All sliding surfaces adopt hardened treatment and precision grinding.
- High rigidity structure and high clamping accuracy.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	D1	D2	E	E1	F	Gmax.	Gmin.	H
KT06-4 A5	165	81	140	104.8	82.56	116	5	15	45	11	-1	19
KT08-4 A5	210	91	170	133.4	82.56	104.8	5	23	52	14.5	-1.5	20.5
KT08-4 A6	210	91	170	133.4	106.38	150	5	17	52	14.5	-1.5	20.5
KT10-4 A6	254	100	220	171.4	106.38	133.4	5	25	75	9	10	25
KT10-4 A8	254	100	220	171.4	139.72	190	5	18	75	9	10	25
KT12-4 A8	304	110	220	171.4	139.72	190	6	18	91	8	-15	28

规格 Spec.	Kmax.	L	L1	M	N	P	S	T	U	X	Y	A1	8-M1
KT06-4 A5	M55×2	4-M10	16	16	37	73	20	31	12	3-M6	16	36	M8
KT08-4 A5	M60×2	4-M12	20	17	38	95	25	35	14	6-M10	16	45	M8
KT08-4 A6	M60×2	4-M12	20	18	38	95	25	35	14	3-M6	16	45	M8
KT10-4 A6	M85×2	4-M16	22	18	43	110	30	40	16	6-M12	16	60	M10
KT10-4 A8	M85×2	4-M16	22	24	43	110	30	40	16	3-M8	16	60	M10
KT12-4 A8	M100×2	4-M16	23	25	51	130	30	50	21	3-M8	20	60	M10

性能参数 Performance parameters

规格	楔心行程 mm	爪行程 (直径) mm	夹持直径 Chucking Dia.mm		容许油缸推力 KN(kgf)	最大夹持力 KN(kgf)	最高回转数 min~1(r.p.m)	I	重量 kg		适用回转缸	最大使用压力
Spec.	Plunger stroke	Jaw stroke (Dia.)	最大 Max.	最小 Min.	Max.D.B.pull	Max.clamping force	Max.speed	Kg.m ²	Weight		Matching cyl.	Max.pressure Mpa(kgf/cm ²)
KT06-4 A5	12	5.5	168	15	21.6(2200)	56.8(5800)	5000	0.07	12.5	14.3	TH646	2.8(28)
KT08-4 A5	16	7.4	210	13	34.3(3500)	85.8(8750)	4200	0.19	23.5	25.4	TH852	2.8(28)
KT08-4 A6	16	7.4	210	13	34.3(3500)	85.8(8750)	4200	0.19	23.5	24.3	TH852	2.8(28)
KT10-4 A6	19	8.8	254	31	42.6(4380)	110.7(11300)	3400	0.34	36.3	41	TH1075	2.7(27)
KT10-4 A8	19	8.8	254	31	42.6(4380)	110.7(11300)	3400	0.34	36.3	39.3	TH1075	2.7(27)
KT12-4 A8	23	10.6	304	34	54.9(5600)	143.6(14650)	2700	0.79	62	65.7	TH1291	2.7(27)

注：红色数据为 A 型之尺寸。

Notes: data in red is size for Type-A.

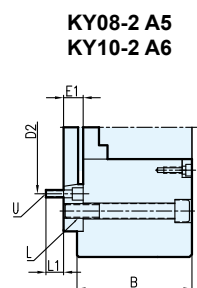
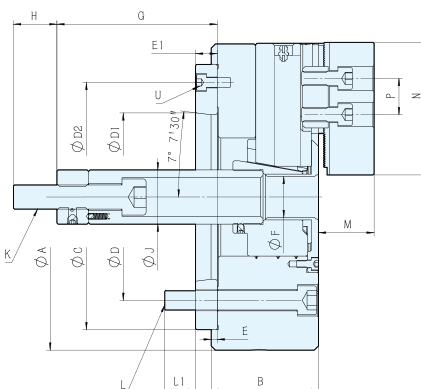
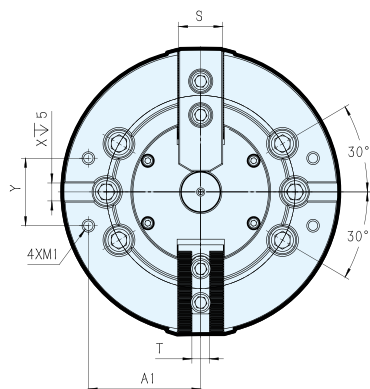
Solid two-jaw power chuck



- 楔形中实卡盘，符合日、台标准
- 所有滑动面均采用硬化处理及精密研磨
- 高刚性结构及高夹持精度

- The wedge-shaped solid chuck is in line with Japanese and Taiwanese standards.
- All sliding surfaces adopt hardened treatment and precision grinding.
- High rigidity structure and high clamping accuracy.

实用新型专利号：ZL 2011 2 0346065.3



KY08-2 A5
KY10-2 A6

尺寸参数 Size parameter

规格 Spec.		A	B	C	D	D1	D2	E	E1	F	Gmax.	Gmin.	H
KY05-2		135	55	80	100	—	—	7	—	—	9	-6	35
KY06-2	A5	165	74	140	104.8	82.56	116	5	15	21	102	82	36
KY08-2	A5	210	85	170	133.4	82.56	104.8	5	23	25	127	106	36
KY08-2	A6	210	85	170	133.4	106.38	150	5	17	25	127	106	36
KY10-2	A6	254	89	220	171.4	106.38	133.4	5	25	34	158	133	36
KY10-2	A8	254	89	220	171.4	139.72	190	5	18	34	158	133	36
KY12-2	A8	304	106	220	171.4	139.72	190	6	18	34	163	133	36

规格 Spec.	J	Kmax.	L	L1		M	N	P	S	T	U	X	Y	A1	4-M1		
KY05-2		28	M12×1.75	4-M8		14		31	62	14	25	10	—	—	30	52	M8
KY06-2	A5	34	M16×2	6-M10		17	14	39	73	20	31	12	3-M6	16	36	68	M8
KY08-2	A5	38	M20×2.5	6-M12		18	17	41	95	25	35	14	6-M10	16	45	80	M8
KY08-2	A6	38	M20×2.5	6-M12		18	18	41	95	25	35	14	3-M6	16	45	80	M8
KY10-2	A6	45	M20×2.5	6-M16		25	18	46	110	30	40	16	6-M12	16	60	102	M10
KY10-2	A8	45	M20×2.5	6-M16		25	25	46	110	30	40	16	6-M8	16	60	102	M10
KY12-2	A8	50	M20×2.5	6-M16		25	25	54	130	30	50	18 or 21	6-M8	20	60	105	M10

性能参数 Performance parameters

规格		楔心行程 mm	爪行程 (直径) mm	夹持直径 Chuckng Dia.mm		容许油缸推力 KN(kgf)	最大夹持力 KN(kgf)	最高回转数 min~l(r.p.m)	I	重量 kg		适用回转缸	最大使用压力
Spec.		Plunger stroke	Jaw stroke (Dia.)	最大 Max.	最小 Min.	Max.D.B.pull	Max.clamping force	Max.speed	Kg.m ²	Weight		Matching cyl.	Max.pressure Mpa(kgf/cm ²)
KY05-2			15	6.4	135	14	5.3(540)	16.7(1700)	5500	0.02	5.8	RH80	1.5(15)
KY06-2	A5	20	8.5	165	14	12(1220)	35(3570)	5000	0.04	12	13	RH100	2.0(20)
KY08-2	A5	21	8.8	210	17	16.5(1680)	50(5100)	4750	0.13	22	26	RH125	1.7(17)
KY08-2	A6	21	8.8	210	17	16.5(1680)	50(5100)	4750	0.13	22	25	RH125	1.7(17)
KY10-2	A6	25	8.8	254	22	19.4(1980)	71.5(7300)	3500	0.29	33	42	RH125	2.0(20)
KY10-2	A8	25	8.8	254	22	19.4(1980)	71.5(7300)	3500	0.29	33	40	RH125	2.0(20)
KY12-2	A8	30	10.5	304	22	27.4(2800)	103.9(10600)	3360	0.70	57	61	RH150	2.0(20)

注：红色数据为 A 型之尺寸。

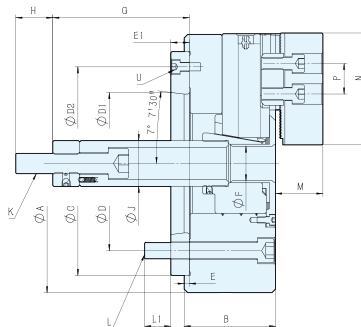
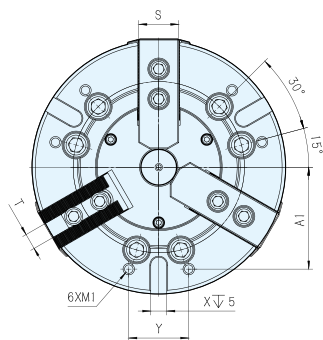
Notes: data in red is size for Type-A.

Solid three-jaw power chuck

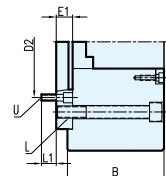


- 楔形中实卡盘，符合日、台标准
- 所有滑动面均采用硬化处理及精密研磨
- 高刚性结构及高夹持精度
- The wedge-shaped solid chuck is in line with Japanese and Taiwanese standards.
- All sliding surfaces adopt hardened treatment and precision grinding.
- High rigidity structure and high clamping accuracy.

实用新型专利号：ZL 2011 2 0346065.3



KY06-3 A4
KY08-3 A5
KY10-3 A6



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	D1	D2	E	E1	F	Gmax.	Gmin.	H	J
KY05-3	135	65	110	82.6	—	—	7	—	—	9	-6	35	28
KY06-3 A4	165	74	140	104.8	63.51	116	5	20	21	102	82	36	34
KY06-3 A5	165	74	140	104.8	82.56	116	5	15	21	102	82	36	34
KY08-3 A5	210	85	170	133.4	82.56	104.8	5	23	25	127	106	36	38
KY08-3 A6	210	85	170	133.4	106.38	150	5	17	25	127	106	36	38
KY10-3 A6	254	89	220	171.4	106.38	133.4	5	25	34	158	133	36	45
KY10-3 A8	254	89	220	171.4	139.72	190	5	18	34	158	133	36	45
KY12-3 A6	304	106	220	171.4	106.38	133.4	6	25	34	163	133	36	50
KY12-3 A8	304	106	220	171.4	139.72	190	6	18	34	163	133	36	50

规格 Spec.	Kmax.	L	L1	M	N	P	S	T	U	X	Y	A1	6-M1
KY05-3	M12×1.75	3-M8	14	31	62	14	25	10	—	12	30	52	M8
KY06-3 A4	M16×2	6-M10	17	13	39	73	20	31	12	6-M10	16	68	M8
KY06-3 A5	M16×2	6-M10	17	14	39	73	20	31	12	3-M6	16	68	M8
KY08-3 A5	M20×2.5	6-M12	18	17	41	95	25	35	14	6-M10	16	45	M8
KY08-3 A6	M20×2.5	6-M12	18	18	41	95	25	35	14	3-M6	16	45	M8
KY10-3 A6	M20×2.5	6-M16	25	18	46	110	30	40	16	6-M12	16	60	M10
KY10-3 A8	M20×2.5	6-M16	25	25	46	110	30	40	16	3-M8	16	60	M10
KY12-3 A6	M20×2.5	6-M16	25	18	54	130	30	50	18 or 21	6-M12	20	60	M10
KY12-3 A8	M20×2.5	6-M16	25	25	54	130	30	50	18 or 21	3-M8	20	60	M10

性能参数 Performance parameters

规格		楔心行程 mm	爪行程 (直径)mm	夹持直径 Chuckng Dia.mm		容许油缸推力 KN(kgf)	最大夹持力 KN(kgf)	最高回转数 min-1(r.p.m)	I	重量 kg		适用回转缸	最大使用压力
Spec.		Plunger stroke	Jaw stroke (Dia.)	最大 Max.	最小 Min.	Max.D.B.pull	Max.clamping force	Max.speed	Kg.m ²	Weight		Matching cyl.	Max.pressure Mpa(kgf/cm ²)
KY05-3		15	6.4	135	14	8.1(830)	25(2550)	5500	0.02	6.2		RH80	2.2(22)
KY06-3		A4	20	8.5	14	17.9(1830)	52.4(5350)	5000	0.05	13	14.6	RH100	3.0(30)
KY06-3		A5	20	8.5	14	17.9(1830)	52.4(5350)	5000	0.05	13	14	RH100	3.0(30)
KY08-3		A5	21	8.8	17	25(2550)	74.5(7600)	4750	0.14	24	28	RH125	2.6(26)
KY08-3		A6	21	8.8	17	25(2550)	74.5(7600)	4750	0.14	24	27	RH125	2.6(26)
KY10-3		A6	25	8.8	22	28.9(2950)	107.8(11000)	3500	0.30	35	42	RH125	3.0(30)
KY10-3		A8	25	8.8	22	28.9(2950)	107.8(11000)	3500	0.30	35	40	RH125	3.0(30)
KY12-3		A6	30	10.5	22	41(4180)	155.8(15900)	3360	0.73	59	65	RH150	3.0(30)
KY12-3		A8	30	10.5	22	41(4180)	155.8(15900)	3360	0.73	59	63	RH150	3.0(30)

注：红色数据为 A 型之尺寸。

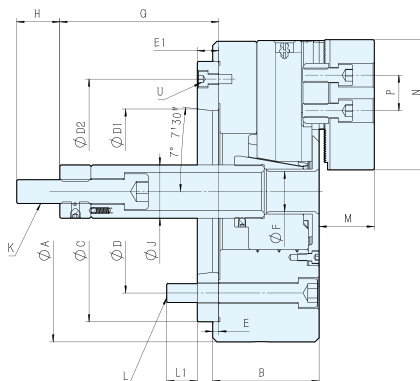
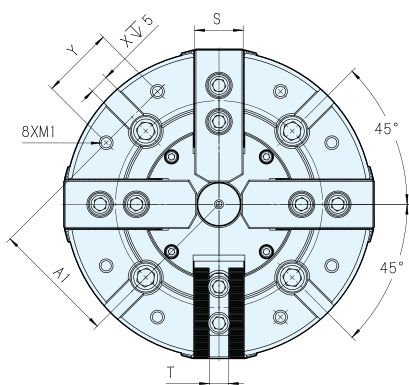
Notes: data in red is size for Type-A.



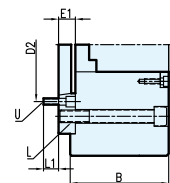
- 楔形中实卡盘，符合日、台标准
- 所有滑动面均采用硬化处理及精密研磨
- 高刚性结构及高夹持精度

- The wedge-shaped solid chuck is in line with Japanese and Taiwanese standards.
- All sliding surfaces adopt hardened treatment and precision grinding.
- High rigidity structure and high clamping accuracy.

实用新型专利号：ZL 2011 2 0346065.3



KY08-4 A5
KY10-4 A6



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	D1	D2	E	E1	F	Gmax.	Gmin.	H	J
KY06-4 A5	165	74	140	104.8	82.56	116	5	15	21	102	82	36	34
KY08-4 A5	210	85	170	133.4	82.56	104.8	5	23	25	127	106	36	38
KY08-4 A6	210	85	170	133.4	106.38	150	5	17	25	127	106	36	38
KY10-4 A6	254	89	220	171.4	106.38	133.4	5	25	34	158	133	36	45
KY10-4 A8	254	89	220	171.4	139.72	190	5	18	34	158	133	36	45
KY12-4 A8	304	106	220	171.4	139.72	190	6	18	34	163	133	36	50

规格 Spec.	Kmax.	L	L1	M	N	P	S	T	U	X	Y	A1	8-M1
KY06-4 A5	M16×2	4-M10	17	14	39	73	20	31	12	3-M6	16	36	M8
KY08-4 A5	M20×2.5	4-M12	18	17	41	95	25	35	14	6-M10	16	45	M10
KY08-4 A6	M20×2.5	4-M12	18	18	41	95	25	35	14	3-M6	16	45	M10
KY10-4 A6	M20×2.5	4-M16	25	18	46	110	30	40	16	6-M12	16	60	M10
KY10-4 A8	M20×2.5	4-M16	25	25	46	110	30	40	16	3-M8	16	60	M10
KY12-4 A8	M20×2.5	4-M16	25	25	54	130	30	50	18 or 21	3-M8	20	60	M10

性能参数 Performance parameters

规格	楔心行程 mm	爪行程 (直径) mm	夹持直径 Chucking Dia. mm		容许油压缸推力 KN(kgf)	最大夹持力 KN(kgf)	最高回转数 min~1(r.p.m)	I	重量 kg	适用回转缸	最大使用压力
Spec.	Plunger stroke	Jaw stroke (Dia.)	最大 Max.	最小 Min.	Max.D.B.pull	Max.clamping force	Max.speed	Kg.m ²	Weight	Matching cyl.	Max.pressure Mpa(kgf/cm ²)
KY06-4 A5	20	8.5	165	14	12(1220)	35(3570)	5000	0.04	12	13	2.0(20)
KY08-4 A5	21	8.8	210	17	16.5(1680)	50(5100)	4750	0.13	22	26	1.7(17)
KY08-4 A6	21	8.8	210	17	16.5(1680)	50(5100)	4750	0.13	22	25	1.7(17)
KY10-4 A6	25	8.8	254	22	19.4(1980)	71.5(7300)	3500	0.29	33	42	2.0(20)
KY10-4 A8	25	8.8	254	22	19.4(1980)	71.5(7300)	3500	0.29	33	40	2.0(20)
KY12-4 A8	30	10.5	304	22	27.4(2800)	103.9(10600)	3360	0.70	57	61	2.0(20)

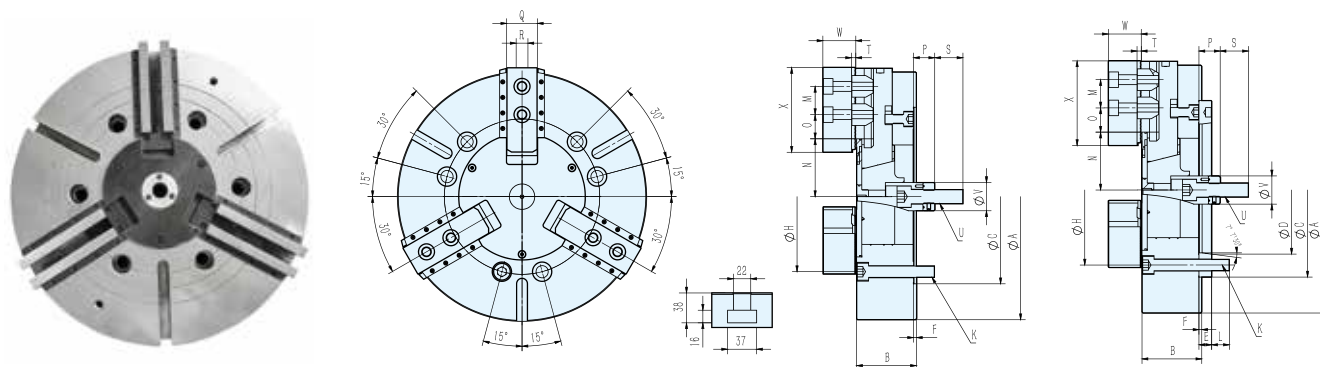
注：红色数据为 A 型之尺寸。

Notes: data in red is size for Type-A.

Vertical lathe chuck

■ VL系列立车卡盘适用于立式车床，凿体侧面有密封，可防止铁屑，切削水进入卡盘内部。延长卡盘的使用寿命，还可根据用户特殊要求进行三、四、六爪的设计。并可根据要求配各种形式的法兰。

■ KY series vertical lathe chuck is suitable for vertical lathe, chisel body side has sealing to prevent the iron filings, cutting water from entering into the chuck, which can prolong the service life of the chuck. It can also be designed with three, four, or six jaws according to customer's special requirements, and can be equipped with various forms of flanges according to the requirement.



尺寸参数 Size parameter

规格 型号	主轴鼻端型号	A	B	C(h6)	D	E	F	G	H	K	L	M
VL-15-3	A2-11	381	118	300	196.869	22	6	260	235	6-M20x2.5P	32	43
VL-18-3	A2-11	450	118	300	196.869	22	6	260	235	6-M20x2.5P	32	43
VL-21-3	A2-15(A2-11)	530	129	380	285.775	27	6	320	330.2	6-M24X3P	33	60
VL-24-3	A2-15(A2-11)	610	129	380	285.775	27	6	320	330.2	6-M24X3P	33	60
VL-32-3	A2-15(A2-11)	800	129	380	285.775	27	6	320	330.2	6-M24X3P	33	60
VL-40-3	A2-15(A2-11)	1000	129	380	285.775	27	6	320	330.2	6-M24X3P	33	60

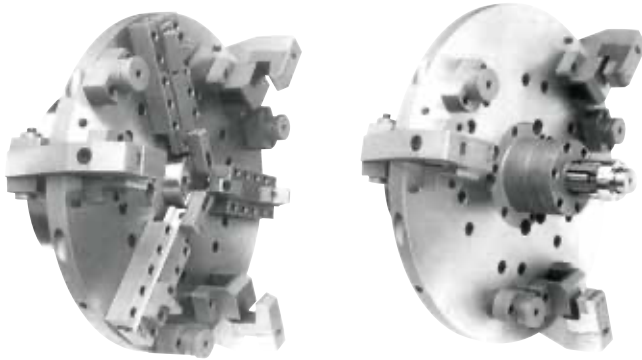
规格 型号	N max	N min	O max	O min	P max	P min	Q	R	S	T	U	V	W	X
VL-15-3	69.05	60.97	58.05	40.05	104	69	62	25.5	55	7	M30X3.5P	60	68	165
VL-18-3	99.46	91.38	58.05	40.05	92	57	62	25.5	55	7	M30X3.5P	60	68	165
VL-21-3	80.49	72.41	101.8	41.8	96.95	62	65	25	55	7	M30X3.5P	60	75.5	180
VL-24-3	119.49	111.41	101.8	41.8	96.95	62	65	25	55	7	M30X3.5P	60	75.5	180
VL-32-3	119.49	111.39	197.8	41.8	97	62	65	25	55	7	M30X3.5P	60	75.5	180
VL-40-3	119.49	111.39	299.8	41.8	97	62	65	25	55	7	M30X3.5P	60	75.5	180

性能参数 Performance parameters

规格 型号	楔心行程 mm	爪行程 (直径)mm	最高回转速	最大拉力 (KN)	最大静态夹持 力(KN)	最大设定油压压力 (MPa)	重量 kg	搭配油缸 型号	夹持范围
	Plunger Stroke	Jaw stroke (Dia.)	Max.speed	Max.Drawbar Pull(kgf)	Max.clamping force	Max.D.B.pull	Weight(kg)	Match oil cylinder model	Clamping range
VL-15-3	35	16	3000	8260 (81)	25290 (248)	32 (3.1)	104.1	RH200L-35	φ68~φ381
VL-18-3	35	16	2700	8260 (81)	25290 (248)	32 (3.1)	138.5	RH200L-35	φ100~φ450
VL-21-3	35	16	1900	8650 (85)	27000 (265)	33 (3.2)	204.8	RH200L-35	φ80~φ530
VL-24-3	35	16	1700	8650 (85)	27000 (265)	33 (3.2)	260	RH200L-35	φ155~φ610
VL-32-3	35	16	1100	8650 (85)	27000 (265)	33 (3.2)	455.4	RH200L-35	φ155~φ800
VL-40-3	35	16	800	8650 (85)	27000 (265)	33 (3.2)	/	RH200L-35	φ155~φ100

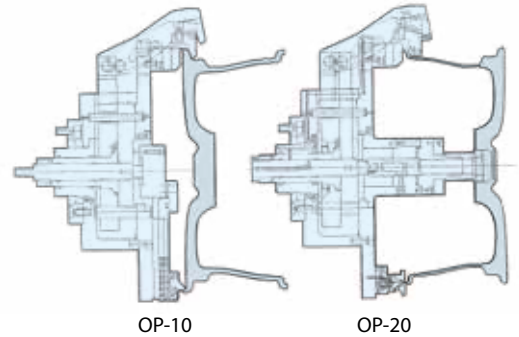
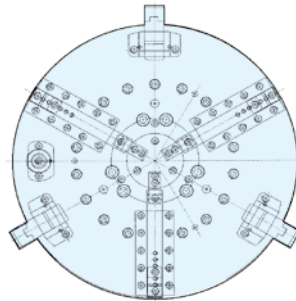
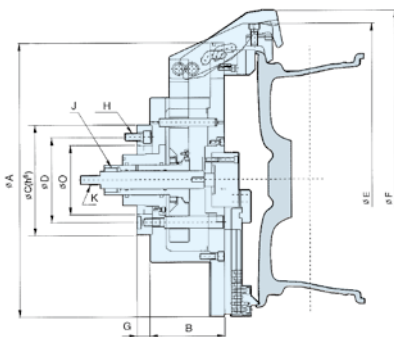
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.



- 汽车与摩托车的铝车轮专用加工夹具；
- 根据车轮的种类，更换凸轮臂与夹爪，可以进行少量种类加工；
- 高速、轻量化使得的惯性扭矩小，能缩短主轴启动与停止时间，提高生产效率。

- Ideal for machining aluminum wheels;
- Accommodates variety of wheels by changing jaws and arms;
- Lower weight increases efficiency and reduces down time.



OP-10

OP-20

凸轮轴臂参数表 Performance parameters

LG-300

卡爪 JAW	凸轮臂 Cam Arm			
	S	M	L	XL
A	12	13	14	15
B	13	14	15	16
C	14	15	16	17
D	15	16	17	18

LG-330

卡爪 JAW	凸轮臂 Cam Arm				
	S	M	L	XL	XXL
A	13	14	15	16	17
B	14	15	16	17	18
C	15	16	17	18	19
D	16	17	18	19	20

LG-360

卡爪 JAW	凸轮臂 Cam Arm		
	S	M	L
A	17	18	19
B	18	19	20
C	19	20	21.5
D	20	21.5	22.5

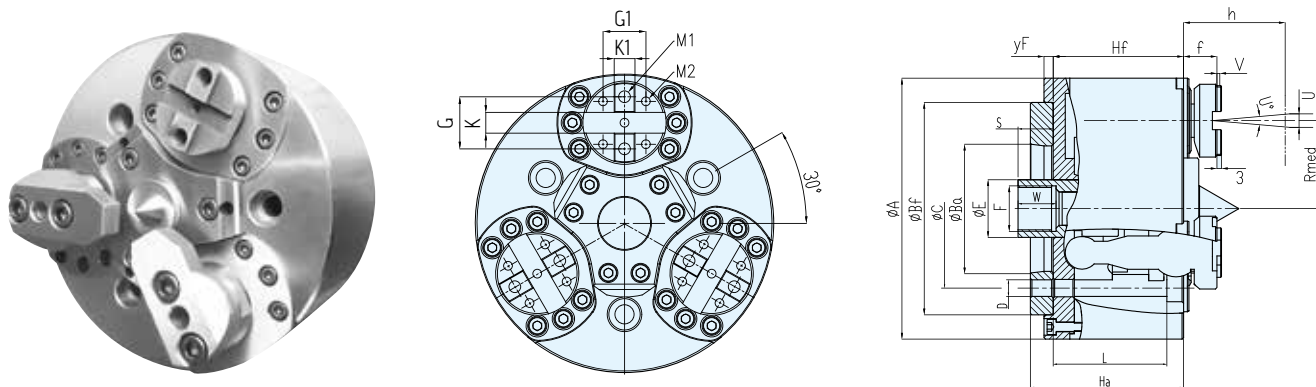
型号规格 Spec.	A	B	C(h²)	D	E	F	G	H	J	K
LG-300	495	140	220	171.45	柔性 Flexible		25	M16	M45	M24
LG-330	550	145	300	235			35	M20	M45	M24
LG-360	660	200	300	235			35	M20	M45	M24

型号规格 Spec.	夹紧力 Clamping force(kgf)	拉杆最大拉力 Max.Drawbar Pull(kgf)	卡爪行程 Jaw Stroke (mm)	拉栓行程 Plunger stroke(mm)	轮尺寸范围 Wheel Size Range (inch)	最高转速 Max.Speed (r.m.p)	重量 kg Weight(kg)	GD² (kgf.m²)
LG-300	970	3000	27	35	12~18	2500	120	2.4
LG-330	970	3000	27	35	13~20	2000	160	3.5
LG-360	970	3000	27	35	17.5~24.5	1600	240	7.5

型号规格 Spec.	轮尺寸 Wheel Size										
	12"	13"	14"	15"	16"	17"	18"	19"	20"	21.5"	22.5"
LG-300	★	★	★	★	★	★	★				
LG-330		★	★	★	★	★	★	★	★		
LG-360						★	★	★	★	★	★

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.



技术特点 Technical features

- 后拉动作（保证轴向长度）
- 键槽型基爪（强力稳固）
- 补偿夹持（卡爪有多向摇摆功能）
- 离心力补偿（克服高速旋转）
- Back pull action (ensure axial length)
- Key slot type basic claw (powerful and steady)
- Compensation clamp (the clamping jaw is with multi-directional swing function)
- Centrifugal force compensation (overcome high-speed rotation)

性能参数 Performance parameters

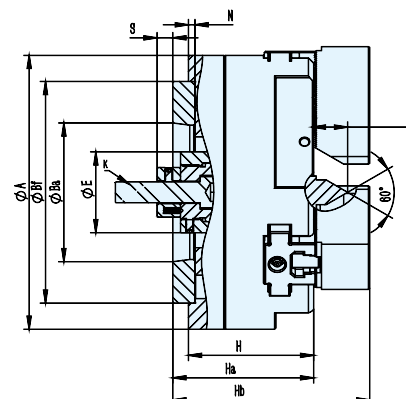
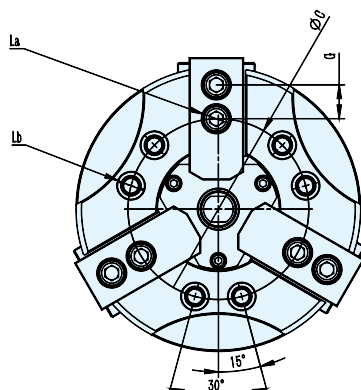
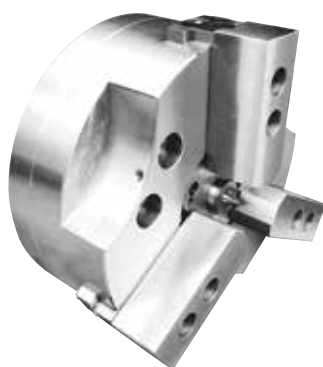
型号 Model		KF160A-3	KFA200A-3	KF250A-3	KF315A-3
A	(mm)	172	212	250	315
Bf	(mm)	140	170	220	220
Ba	(mm)	82.563	106.375	139.719	139.719
C	(mm)	104.8	133.4	171.4	171.4
E	(mm)	38	38	48	48
F	(mm)	M30*1.5	M32*1.5	M38*1.5	M38*1.5
W	(mm)	25	25	25	25
Hf	(mm)	85	102	108	108
Yf	(mm)	5	5	5	5
参考高度 h Reference Height	(mm)	50	55	70	70
f	(mm)	27	33	33	33
V	(mm)	0.1(0.5)	0.1(0.5)	0.1(0.5)	0.1(0.5)
Ha	(mm)	102	105	110	115
D	(mm)	3-M10	3-M12	3-M16	3-M20
Rmed	(mm)	58	72	84	100
K	(mm)	14	16	18	20
K1	(mm)	12	14	16	18
G	(mm)	30	50	50	60
G1	(mm)	24	28	41	50
M1	(mm)	2-M8	2-M8	2-M12	2-M12
M2	(mm)	4-M6	4-M6	4-M8	4-M10
卡爪角行程 U ° Angular Travel Of Clamping Jaw	(deg)	5 °	5 °	4 °	4 °
卡爪径向行程 - 高度 h Radial Travel Of Clamping Jaw-Height	(mm)	5	5	7	7
后拉行程 V Back Pull Travel	(mm)	0.1 (0.5)	0.1 (0.5)	0.1 (0.5)	0.1 (0.5)
活塞轴向行程 Axial Travel Of Piston	(mm)	16	16	18	18
补偿量 (直径) - 高度 h Compensation Amount (Diameter)-Height	(mm)	± 1	±1.5	±2	±2.5
最大夹紧力 Max. Clamp Force	(KN)	40	60	95	98
最高转速 Highest Rotation Speed	(r.p.m)	4500	4000	3500	2800
推荐搭配油缸 Recommend to operate together with oil cylinder		RH100	RH125	RH125	RH150
夹持范围 (直径) Clamping range (diameter)	(mm)	10-65	10-85	10-90	20-120
重量 (不含卡爪) Weight (exclude clamping jaw)	(kg)	15.8	26	39.5	68

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

用途 Applications

- 用于轴类零件的两顶尖方式加工；
- 夹持方便，依靠中心孔定位进行快速的夹持；
- 工件通过固定顶尖的参考直径定心，卡爪只提供驱动扭矩和后拉到固定参考点。
- Used for tow top ways for machining axis parts
- Clamping is convenient, relying on orientation of center hole for rapid clamping
- The workpiece can be aligned by reference diameter of fixed top, and clamping jaw only provides driving torque and pulls back to a fixed reference point.



技术特点 Technical features

- 夹紧方向平推受力，与普通动力卡盘夹紧方式相同
- 齿形基爪，方便调节
- 补偿夹持，卡爪有径向偏移功能
- 离心力补偿，克服高速旋转
- 可更换伸缩顶尖，顶尖径向精度带微调功能
- Clamping direction bears horizontal pushing force, the same as the clamping way of ordinary power chuck
- Tooth form basic claw, convenient for adjustment
- Compensation clamping with radial displacement function of the claw
- Centrifugal force compensation to overcome the high speed rotating
- Replaceable telescopic tip, with fine-tuning function of radial accuracy

用途 Applications

- 用于轴类零件的两顶尖加工方式
- 夹持方便，依靠中心定位孔进行快速的夹持
- 工件通过固定顶尖定心，保障2次加工时的精密度
- Two tip processing methods for shaft parts
- Clamping is convenient, relying on center positioning hole for fast clamping
- The centering of work piece can be decided by fixed tip, to assure precision during secondary processing

性能参数 Performance parameters

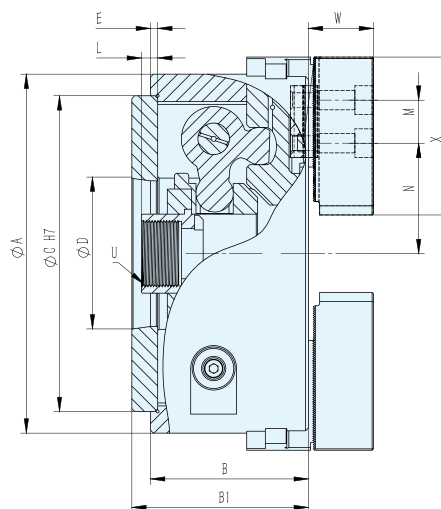
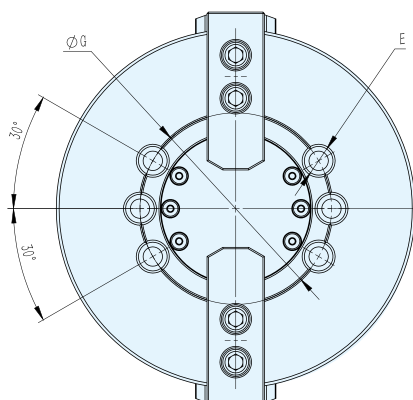
型号 Model	KF160C-3	KF200C-3	KF250C-3	KF315C-3
A	170	210	254	315
Bf (H7)	140	170	220	220
Ba	82.56	106.38	139.719	139.719
C	104.8	133.4	171.4	171.4
E	50	50	70	80
G	20	25	25	30
H	91	106	117	122
Ha	101	118	130	134
Hb	135	161	173	185
La	6-M10	6-M12	6-M12	6-M16
Lb	6-M10(沉头孔)	6-M12(沉头孔)	6-M16(沉头孔)	6-M16
M	17.6	26	26	24
N	5	5	5	6
K	M16	M20	M20	M20
S(松开最小) S (min. loose)	26	14	16	24
S(夹紧最大) S (max. clamping)	38	28	32	40
卡爪径向行程(直径) Claw radial stroke (diameter)	8	10	12	14
后拉行程 Back pull stroke	12	14	16	16
补偿量 Compensation amount	±0.8	±1.3	±2	±2
最大夹紧力 Maximum clamping force	40	60	95	98
推荐搭配油缸 Recommend to match with oil cylinder	RH100	RH125	RH125	RH150
最高转速 Highest rotating speed	4500	4000	3500	2800
夹持范围 Clamping range	10~100	10~140	10~190	10~250
重量(不含卡爪、法兰) Weight (excluding claw, flange)	15	24	40	68
卡爪齿标准 Claw teeth standard	1.5°60°	1.5°60°	1.5°60°	1.5°60°

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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- 是一种曲柄型二爪超大行程卡盘，适用于方型及异物加工，卡紧力大，能做强力切削。
- It is a kind of crank-type oversized-stroke 2-claw chuck, with large clamping force, applicable to processing of square object and foreign matter, and heavy cutting.



尺寸参数 Size parameter

规格 Spec.	A (mm)	B (mm)	B1	C(H7) (mm)	D (mm)	E (mm)	G (mm)	M (mm)
KD06-2	165	80	90	140	82.563	6-M10	104.8	20
KD08-2	215	93	99	170	106.375	6-M12	133.4	25
KD10-2	254	111	123	220	139.719	6-M12	133.4	30
KD12-2	304	130	143	220	196.869	6-M16	171.4	30

规格 Spec.	N max. (mm)	N min. (mm)	P (mm)	Q (mm)	L max. (mm)	L min. (mm)	R (mm)	U (mm)	W (mm)	X (mm)
KD06-2	56	41	3	31	24	12	12	M30×2	33	73
KD08-2	75.3	56.7	5	35	19	0.5	14	M45×2	40	95
KD10-2	87.3	62.5	5	40	23	-2	16	M65×2	45	110
KD12-2	116.5	76.5	5	50	8	-17	21	M72×2	56	130

性能参数 Performance parameters

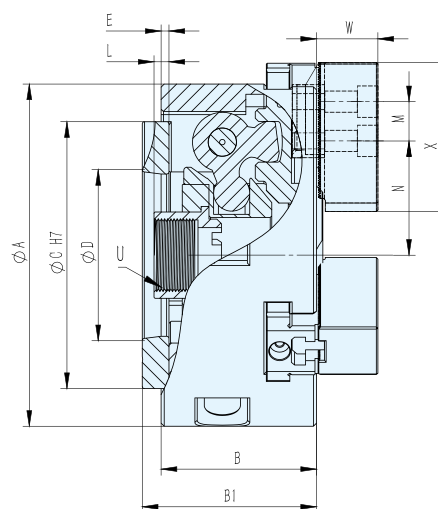
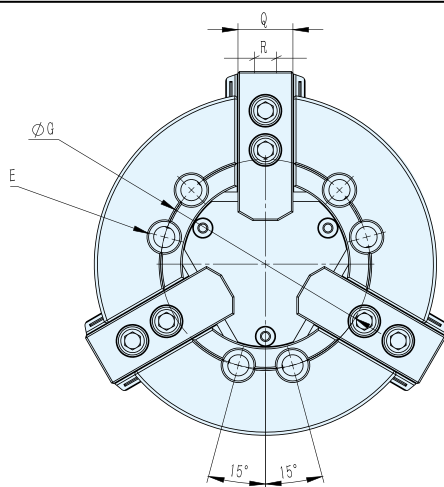
规格	柱塞行程	爪行程 (直径) mm	最高回转速	最大拉力	最大静夹持力	夹持范围 Gripping Range (mm)		最高使用压力	重量 kg
Spec.	Plunger Stroke (mm)	Jaw stroke (DIA.mm)	Max.Speed (min ⁻¹)	Max.Pull Force Kg(f(KN)	Max.Gripping Force Kg(f(KN)	最大 Max.	最小 Min.	Max.Pressure Kgf/cm ² (Mpa)	Weight
KD06-2	15	24	3600	1850(18.1)	1300(12.6)	165	10	19(1.9)	11.8
KD08-2	20	32	3000	2100(20.1)	1920(18.5)	210	28	16(1.6)	23.3
KD10-2	25	40	2400	3020(29.5)	2700(26.3)	254	42	19(1.9)	34
KD12-2	25	45	2100	3680(36)	3600(35)	304	54	18.5(1.8)	60.2

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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- 是一种曲柄型三爪超大行程卡盘，卡紧力大，能做强力切削。
- It is a kind of crank-type oversized stroke 3-claw chuck, with large clamping force, applicable to heavy cutting.



尺寸参数 Size parameter

规格 Spec.	A (mm)	B (mm)	B1	C(H7) (mm)	D (mm)	E (mm)	G (mm)	M (mm)
KD06-3	165	80	90	140	82.563	6-M10	104.8	20
KD08-3	215	93	111	170	106.375	6-M12	133.4	25
KD10-3	254	111	123	220	139.719	6-M12	133.4	30
KD12-3	304	130	143	220	196.869	6-M16	171.4	30

规格 Spec.	N max. (mm)	N min. (mm)	P (mm)	Q (mm)	L max. (mm)	L min. (mm)	R (mm)	U (mm)	W (mm)	X (mm)
KD06-3	56	41	3	31	20	8	12	M30×2	34	73
KD08-3	77.7	56.7	5	35	1	0.5	14	M45×2	39	95
KD10-3	91	62.5	5	40	18	-5.5	16	M65×2	40	110
KD12-3	116	76.2	5	50	8	-18	21	M72×2	56	130

性能参数 Performance parameters

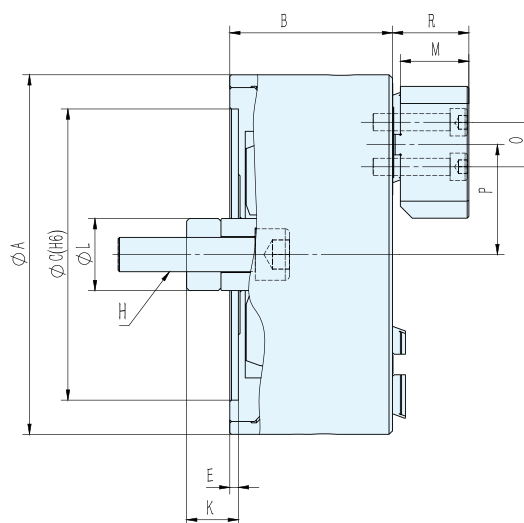
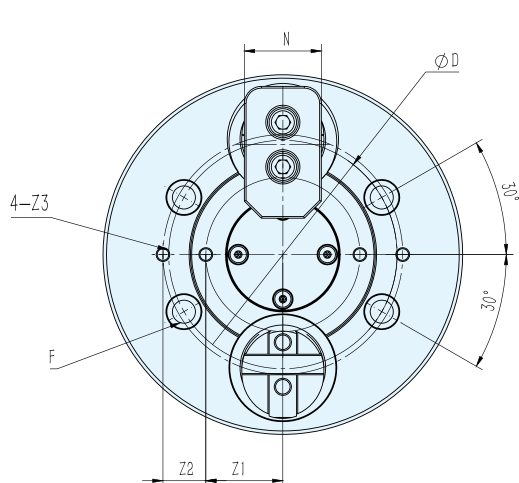
规格	柱塞行程	爪行程 (直径) mm	最高回转速	最大拉力	最大静夹持力	夹持范围		最高使用压力	重量 kg
Spec.	Plunger Stroke (mm)	Jaw Stroke (DIA.mm)	Max.Speed (min ⁻¹)	Max.Pull Force Kgf(KN)	Max.Gripping Force Kgf(KN)	Gripping Range (mm)		Max.Pressure Kgf/cm ² (Mpa)	Weight
KD06-3	15	24	3600	2300(22.6)	2000(19.6)	最大 Max.	最小 Min.	26(2.55)	11.5
KD08-3	20	32	3000	3200(31.4)	2800(27.5)	210	28	25.5(2.5)	23.6
KD10-3	25	40	2400	3800(37.3)	3500(34.3)	254	42	29(2.8)	34.5
KD12-3	25	45	2100	5000(49)	4900(48)	304	54	29(2.8)	60.8

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.



- 后拉式卡紧，适合加工垂直度和平行度要求较高的零件，装夹范围较广；在使用范围不同时，还可以通过更换三爪即可使用；使用联接法兰。
- Back-pull clamping, applicable to processing of parts with higher requirements for verticality and parallelism, with wide clamping range; it can be used in different range by replacing 3 claws; use connecting flange.



尺寸参数 Size parameter

规格 Spec.	A (mm)	B (mm)	C(G7) (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K max. (mm)	K min. (mm)	L (mm)
KX160-2	165	85	140	104.8	5	4-M10	16	M16×2P	36	37	27	40
KX200-2	210	95	170	133.4	5	6-M12	18	M20×2.5P	36	30	20	42
KX250-2	254	110	220	171.4	5	6-M16	12	M20×2.5P	46	47	32	50

规格 Spec.	M (mm)	N (mm)	O (mm)	P max. (mm)	P min. (mm)	Q (mm)	R max. (mm)	R min. (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)
KX160-2	30	35	22	55.2	52.5	70	48	38	35	20	M6
KX200-2	40	40	26	67.9	64.3	84	68	54.6	45	25	M8
KX250-2	46	50	32	85	79.6	100	65	50	55	30	M8

性能参数 Performance parameters

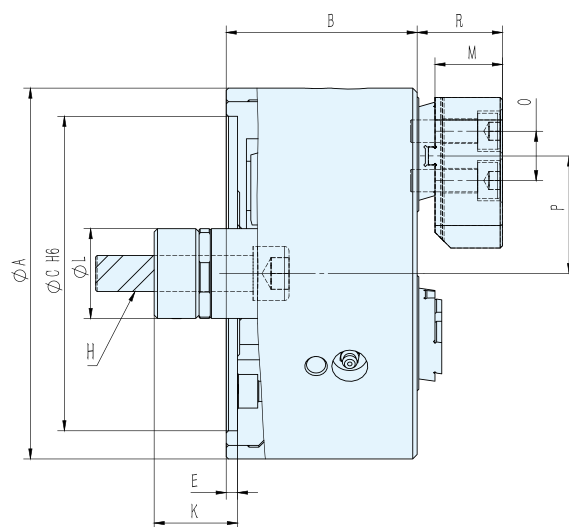
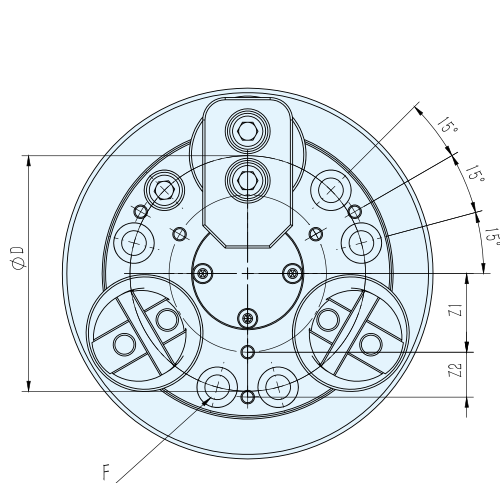
规格	柱塞行程	爪行程 (直径) mm	最高回转速	最大拉力	最大静夹持力	搭配油缸型号	夹持范围	最高使用压力	重量 kg
Spec.	Plunger Stroke (mm)	Jaw Stroke (DIA.mm)	Max.Speed (min ⁻¹)	Max.Pull Force Kgf(KN)	Max.Gripping Force Kgf(KN)	Matching Cylinder	Gripping Range (mm)	Max.Pressure Kgf/cm ² (Mpa)	Weight
KX160-2	10	5.0	3500	1360(13.3)	3045(29.8)	RH100	30~160	22(2.2)	14
KX200-2	10	7.2	3000	2500(24.5)	4820(48.2)	RH125	40~210	25.5(2.5)	26
KX250-2	15	10.8	2500	3500(34)	6118(60)	RH125	50~254	34(3.3)	43

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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- 后拉式卡紧，适合加工垂直度和平行度要求较高的零件，装夹范围较广；在使用范围不同时，还可以通过更换三爪即可使用；使用联接法兰。
- Back-pull clamping, applicable to processing of parts with higher requirements for verticality and parallelism, with wide clamping range; it can be used in different range by replacing 3 claws; use connecting flange.



尺寸参数 Size parameter

规格 Spec.	A (mm)	B (mm)	C(G7) (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K max. (mm)	K min. (mm)	L (mm)
KX160-3	165	85	140	104.8	5	6-M10	16	M16×2P	36	37	27	40
KX200-3	210	95	170	133.4	5	6-M12	18	M20×2.5P	36	30	20	42
KX250-3	254	110	220	171.4	5	6-M16	12	M20×2.5P	46	47	32	50

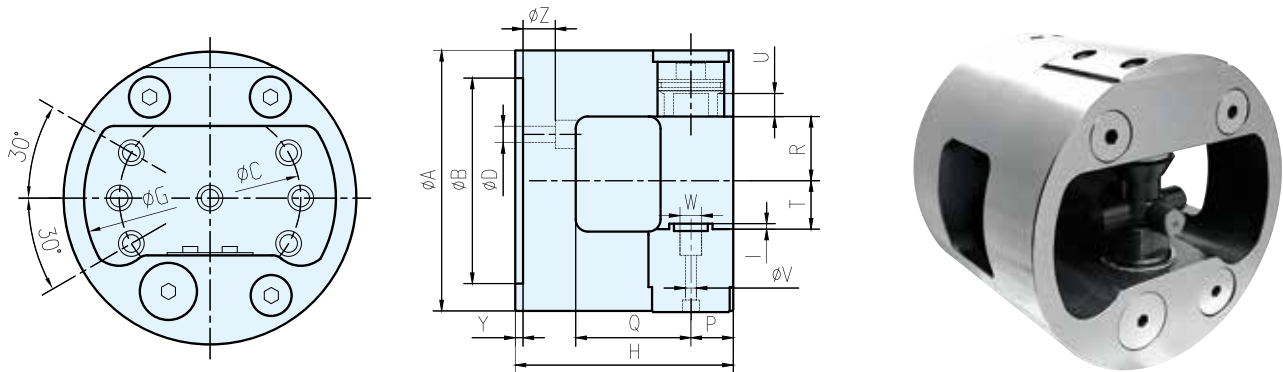
规格 Spec.	M (mm)	N (mm)	O (mm)	P max. (mm)	P min. (mm)	Q (mm)	R max. (mm)	R min. (mm)	Z1 (mm)	Z2 (mm)	Z3 (mm)
KX160-3	30	35	22	55.2	52.5	70	48	38	35	20	M6
KX200-3	40	40	26	67.9	64.3	84	68	54.6	45	25	M8
KX250-3	46	50	32	85	79.6	100	65	50	55	30	M8

性能参数 Performance parameters

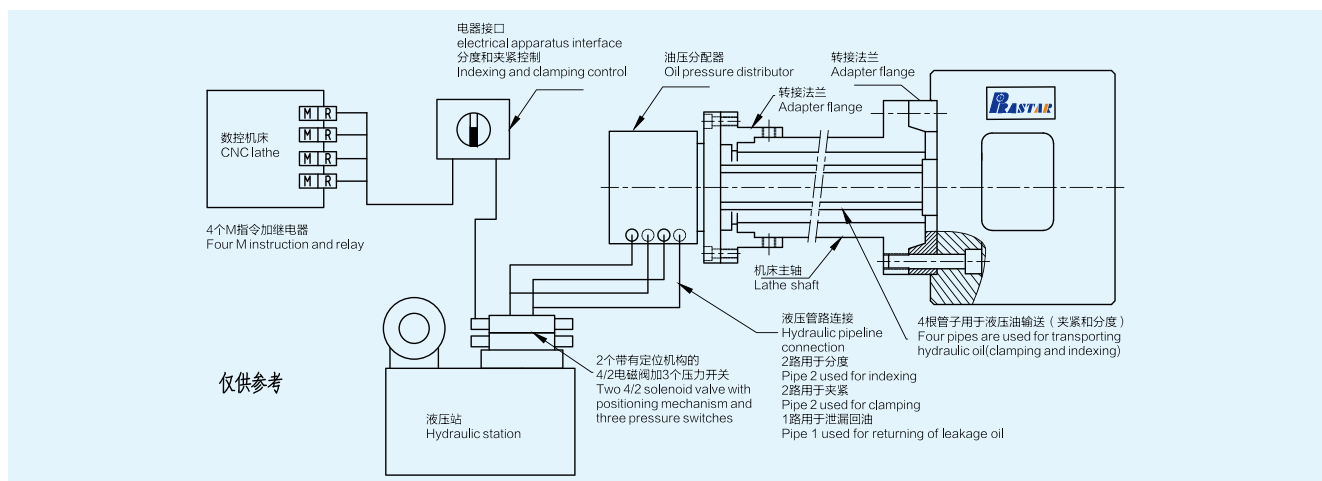
规格	柱塞行程	爪行程 (直径) mm	最高回转速	最大拉力	最大静夹持力	搭配油缸型号	夹持范围	最高使用压力	重量 kg
Spec.	Plunger Stroke (mm)	Jaw Stroke (DIA.mm)	Max.Speed (min ⁻¹)	Max.Pull Force Kgf(KN)	Max.Gripping Force Kgf(KN)	Matching Cylinder	Gripping Range (mm)	Max.Pressure Kg/cm ² (Mpa)	Weight
KX160-3	10	5.0	3500	1360(13.3)	3045(29.8)	RH100	30~160	22(2.2)	15
KX200-3	10	7.2	3000	2500(24.5)	4820(48.2)	RH125	40~210	25.5(2.5)	28
KX250-3	15	10.8	2500	3500(34)	6118(60)	RH125	50~254	34(3.3)	45.5

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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自动分度卡盘安装连接示意图 Installation and connection diagram for automatic index chuck.



应用范围 Application scope

- 用于具有直角、45℃、60℃、90℃、120℃及180℃的轴类零件和法兰类零件的全自动高效率的加工。
- 大批量高转位精度的零件如、阀体、十字轴、管接头（弯头和三通类）零件的加工。
- 分度机构为液压型（确保强大夹持力，压力可调节）。
- Used for the automatic efficient process of shaft parts and flange parts of right Angle, 45 °, 60 °, 90 °, 120 ° and 180 °.
- Processing of mass parts with high indexable precision, such as valve body, cross shaft, pipe fittings (elbow and tee).
- Indexing mechanism is hydraulic (insuring strong clamping, adjustable)

技术特点 Technical characteristics

- 三等分、四等分互换功能（一台本体，可以实现二种功能）。
- 一次性装夹，可以完成多个工作面的加工，直接提高加工效率6-10倍。
- 高定位精度和重复定位精度。
- 内部机构长效润滑特点，保证可靠的分度性能及防卡系统。
- 连续自动过程控制，加工十分安全。
- 高转速，高刚度的夹持工件，允许较大的切削量。
- 离心力补偿系统（订制时确认）。
- 分度位置到位监测系统（订制时确认）。
- Trisection, quartering swap function (one unit can realize two functions).
- One-time clamping can complete the processing of several working faces, which can directly improve processing efficiency 6-10 times.
- High positioning precision and repeated positioning precision.
- Long-term lubrication characteristics of internal institutions ensure reliable indexing performance and anti-jamming system.
- Control is continuous and automatic, and processing is very safe.
- The clamping of workpiece is of high speed and rigidity, and allow large cutting quantity.
- The centrifugal force compensation system (confirm when ordering).
- Indexing position to level monitoring system (confirm when ordering).

特殊功能 Special function

- 经过淬火处理和磨削加工，抗变形设计，可以有效的保证刚度和精度。
- 在主轴旋转过程中可以进行分度操作，允许多个工作轴之间进行快速转换。
- 分度和夹持机构不间断的进行润滑油，并由坚固的进口轴承支撑。
- 为实现更高的生产效率，在极高的极限转速下，采用了离心力补偿系统。
- 非常简单的液压系统，只有4根油管，2根用于分度机构，2根用于夹持机构。
- 通过机床CNC系统或独立的电器接口，连续自动地控制工件加工位置以及其他工作参数。
- 内部机构完全密封，充分防止切削液，废料，粉尘等污染物进入。
- After quenching and grinding, the design of deformation resistance can effectively ensure the stiffness and precision.
- In the process of shaft spindling, can carry out indexing operation ,and fast conversion of several working shaft is allowed.
- Indexing and holding mechanism is of uninterrupted oil lubrication, and supported by strong import bearings.
- To achieve higher production efficiency , the centrifugal force compensation system is adopted under the high limit speed.
- Hydraulic system is very simple with only four oil pipes, of which two are used for indexing mechanism and two for holding mechanism.
- Through the lathe CNC system or independent electrical apparatus interface, control the workpiece's processing position and other parameters continuously automatically.
- Internal mechanism is completely sealed to fully prevent the pollutants' entering of cutting fluid, waste, and dust.

小型零件 Small parts



中型零件 Medium parts



大型零件 Large parts



性能参数 Performance parameters

可实现分度角为：4x90度，8X45度，3x120度，6x60度及特殊分度 Can achieve indexing angle of 4x90°，8X45°，3x120°，6x60° and special angle.

规格 Specification			KFD-168	KFD-210	KFD-235	KFD-250	KFD-280	KFD-315	KFD-360	KFD-400	KFD-460	KFD-570	KFD-680
尺寸 Dimension													
	A	mm	172	215	235	254	275	315	360	400	460	570	680
	B	mm	140	170	170	220	220	220	220	300	300	380	380
	C	mm	104.8	133.4	133.4	171.4	171.4	171.4	171.4	235	235	330.2	330.2
	D	mm	11	13	13	17	17	17	17	21	21	27	27
最大轴向装载窗口 The maximum axial loading window	G	mm	125	175	197	216	239	261	301	333	395	466	576
	H	mm	152	180	190	210	218	235	260	291	321	435	485
	I	mm	2	3	3	3	3	3	3	3	3	5	5
	P	mm	30	35	35	44	45	50	50	58	58	85	85
	Q	mm	46	95	102	112	125	136	150	170	200	270	320
	R	mm	33	48	53	56	70	82	100	110	140	180	235
	T	mm	33	36	40	46	58	66	88	91	121	150	205
卡爪行程 Jaw stroke	U	mm	9	15	15	17	17	23	23	30	30	40	40
	V	mm	M8	M8	M8	M8	M8	M10	M10	M10	M10	M10	M10
	W	mm	18	20	25	25	25	25	25	25	25	50	50
	Y	mm	5	6	8	10	12	12	12	12	12	18	18
	Z	mm	30	28	28	32	32	29	29	24	24	50	50
活塞面积 Piston area		cm²	13	30	30	43	43	63.6	63.6	86.6	86.6	113	113
最大压力 Maximum pressure		bar	25	35	35	35	35	35	35	35	35	35	35
最高转速 Maximum speed		r.p.m	3000	3000	2800	2500	2200	2000	1700	1200	1000	800	600
转动惯量 Rotating moment		kg.m²	0.12	0.16	0.27	0.47	0.88	1.45	2.05	3.4	6.4	12	29
夹持爪重量 Clamping jaw weight		kg	0.5	0.6	0.6	1.3	1.3	2	2	4	5	6	7
本体重量 Body weight		kg	18	24	32	42	52	80	95	128	170	285	490

*注 意:

- 最高转速只有在最大压力，并使用不超过上表所示重量的卡爪时才能达到。
- 被加工的工件和两个卡爪必须绕旋转轴非常平衡，如果达不到这个条件，或者卡爪超重时，必须降低转速。
- 工件可以在主轴旋转时分度，当工件在高速时，为避免由于工件位于中间位置时重量不平衡而产生振动，建议将转速降低30-50%。

Note

- Only in the maximum pressure, the highest speed can be achieved when using the jaw of no more than the weight shown in the table above.
- The processed workpieces and two jaws must be well balanced rotating the axis. If do not meet this condition, or jaw is overweight, the speed must be reduced.
- The workpiece can index when the shaft is rotating. When the workpiece at high speed, to avoid vibration as a result of workpiece' weight unbalance in the middle position, the speed is proposed to reduce 30-50%.



应用范围 Application scope

- 一次装夹完成轴的加工
- 粗加工采用补偿爪夹持
- 精加工时，卡爪缩回，使用端面驱动来完成所有部位的加工

技术特点 Technical characteristics

- 伸缩卡爪
- 卡爪补偿夹紧
- 可以通过楔块来调节端面驱动固定顶尖或弹簧顶尖
- 内部零件表面淬火
- 长效润滑脂
- 完全密封/低维修率

标准配置 Application scope

- 轴加工卡盘不带端面驱动
- 安装螺钉
- 不含油缸及其他安装附件

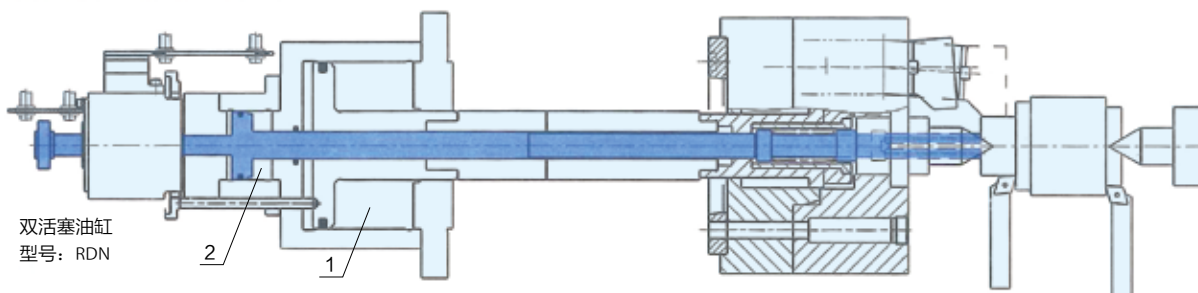
- One clamping to complete the shaft processing
- Rough machining adopts compensation claw for clamping
- When finish machining, retract the claw, and use the end face driver to complete the processing of all parts

- Adjustable jaw
- Claw compensation clamping
- Adjust the end face driver by wedge block fixed tip or spring tip
- Internal part surface quenching
- Long-lasting lubricating grease
- Completely sealed/low repair rate

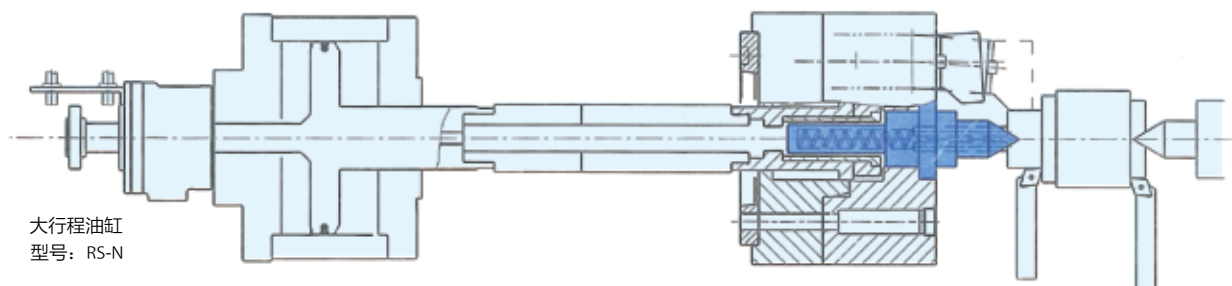
发明专利号：ZL 2016 1 1025604.7

- shaft processing chuck without end face driving
- Mounting screw
- Not include oil cylinder and other installation accessories

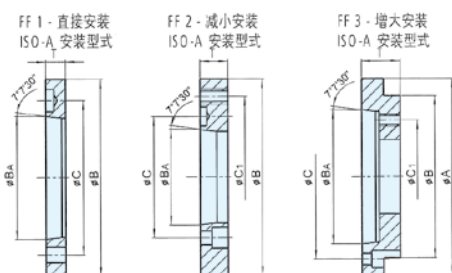
轴向以中心顶尖定位 – 动力驱动的端面驱动 Center Tip Positioning At Axial Direction – End Face Drive By Power Driving
双活塞油缸驱动 型号：RDN Double Piston Oil Cylinder Drive Model: RDN



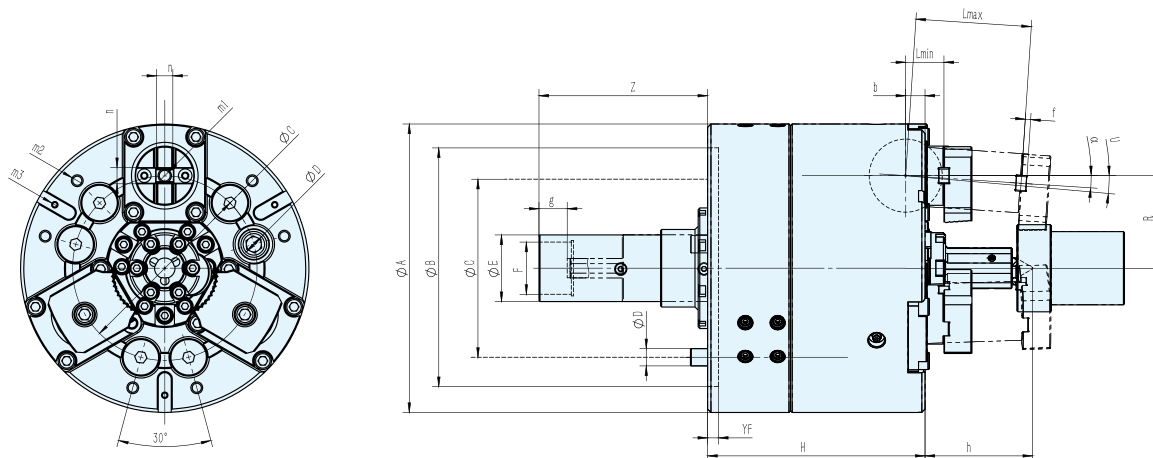
轴向以工件表面定位 – 弹簧驱动的端面驱动 Positioning based on work piece surface at axial direction – spring driven end face drive
大行程油缸驱动 型号：RS-N Big Stroke Oil Cylinder Drive Model: RS-N



ISO-A联接盘，用于SG卡盘



SG 卡盘规格 SG chuck specification	主轴 main shaft	类型 types	A	B	BA	C	C1	T
200	A5	2	-	170	82.563	104.38	146	24
200	A6	2	-	170	106.375	133.4	146	24
200	A8	3	210	170	139.719	171.4	146	40
250	A6	2	-	220	106.375	133.4	171.4	24
250	A8	1	-	220	139.719	171.4	-	19
250	A11	3	280	220	196.869	235	171.4	45
320	A8	2	-	280	139.719	171.4	235	30
320	A11	1	-	280	196.869	235	-	21



保留技术更改
如需更详细信息请索取客户图纸

BDF-AUTOCHACK 型号			SG-200	SG-250	SG-320
	A	mm	218	268	320
	B	mm	170	220	280
	C	mm	146	171.4	235
	D	mm	17	17	21
	E	mm	52	62	75
	F	mm	M38×1.5	M50×1.5	M55×2
	H	mm	168	202	233
	L _{min.}	mm	24	35	31.2
	L _{max.}	mm	84	107	99
	R	mm	69	86	105
卡爪角行程 Claw angle stroke	U	deg.	5°	5°	5°
	Y _F	mm	9	10	10
	Z _{min.}	mm	78	78.5	73.5
	Z _{max.}	mm	150	156.8	156.8
	b	mm	24	25	21.5
	f	mm	4	5	5
	g	mm	20	20	20
参考高度 Reference height	h	mm	80	100	84
	m ₁	mm	M10	M12	M12
	m ₂	mm	M8	M10	M12
	m ₃	mm	M6	M6	M
	n H7	mm	12	15	15
	α	deg.	3°	3°	3°
卡爪角行程 Claw angle stroke		deg	5°	5°	5°
卡爪径向行程 - 高度 h Claw radial stroke--height h		mm	9	10	11.5
补偿量 - 高度 h Compensation amount--height h		mm	±0.8	±1	±1
斜楔行程 (全部) Inclined wedge stroke (all)		mm	58	66	80
最大推拉力 The biggest push & pull force		kN	40	60	80
最大夹持力 - 高度 h Maximum clamping force - height h		kN	40	65	100
最高转速 Highest rotating speed		r.p.m.	3000	2500	2000
质量 (不含卡爪) Quality (excluding claw)		kg	30	55	100
转动惯量 rotational inertia		kgm ²	0.15	0.46	1.28
推荐的驱动油缸 - 以中心孔定心 Recommended driving oil cylinder - centering by central hole			RDN 125/30 80/25	RDN 125/30 80/25	RDN 150/40 95/25
- 以工件表面定心 centering by work piece surface			RS125N	RS125N	RS150N

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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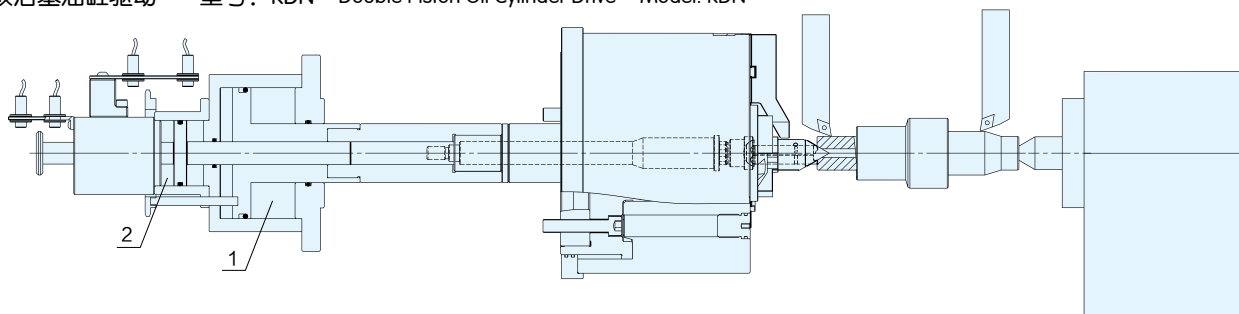
SF型端面驱动固定顶尖轴加工卡盘 SF type end face driven fixed tip shafting processing chuck

(端面驱动要根据工件来设计制作) (end face drive shall be designed and manufactured according to the work piece)

- 轴向以中心孔定位;
 - 固定顶尖可以保证最高同心度;
 - 驱动销是通过双活塞油缸的活塞2驱动, 顶进工件端面 (活塞1是用于卡盘驱动);
 - 端面驱动夹紧/松开的位置可通过接近开关/LPS监测;
 - 最高精度-无需调整;
 - 顶尖需在订货时按工件尺寸定制。
- positioning by central hole at axial direction
 - Fixed tip can guarantee highest concentricity
 - Drive pin is driven by piston 2 of double piston cylinder, Jacking into work piece end face (piston 1 is used for chuck drive)
 - End face drive clamping/ the loose position can be monitored through proximity switch/LPS
 - The highest accuracy - without adjustment
 - The tip can be customized according to the size of the work piece during ordering

带固定顶尖端面驱动轴加工卡盘 Shaft Processing Chuck With Fixed Tip End Face Driving

双活塞油缸驱动 型号: RDN Double Piston Oil Cylinder Drive Model: RDN



轴向以中心顶尖定位
Center Tip Positioning At Axial Direction

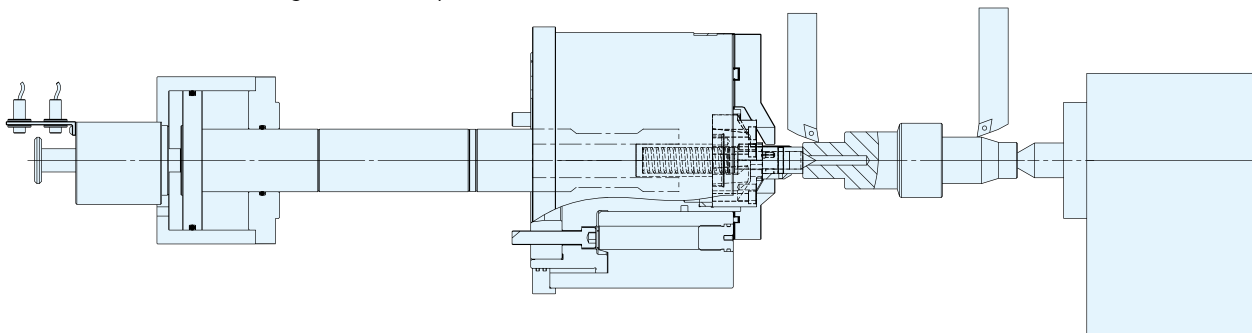
SF型端面驱动弹簧顶尖 SF Type End Face Driven Spring Tip

(端面驱动要根据工件来设计制作) (end face drive shall be designed and manufactured according to the work piece)

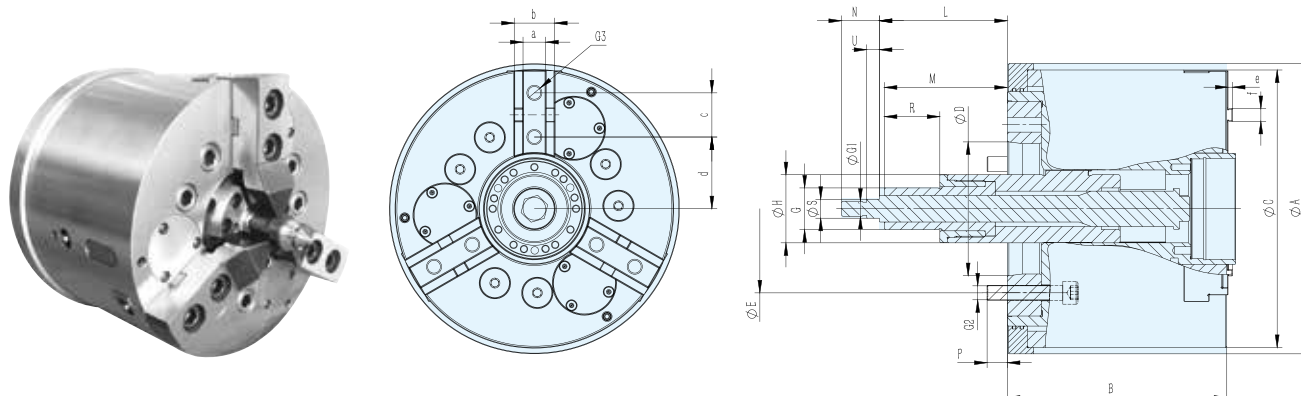
- 轴向以端面定位;
 - 工件由尾座的推力推向驱动销和弹簧顶尖, 驱动销顶入工件端面;
 - 通过一个特殊的内置锁紧机构来保持簧顶尖和工件轴的位置;
 - 最高精度-无需调整;
 - 顶尖需在订货时按工件尺寸定制。
- Positioning by end face at axial direction
 - The work piece is pushed to drive pin and spring tip by tailstock thrust Drive pin jacking into the work piece end face
 - Keep the position of spring tip and work piece shaft through a special built-in locking mechanism
 - Highest accuracy - without adjustment
 - The tip can be customized according to the size of the work piece during ordering

端面驱动弹簧顶尖轴加工卡盘 End Face Driven Spring Tip For Shaft Processing Of Chuck

RS-N 大行程油缸 RS-N Large Stroke Oil Cylinder



轴向以工件端面定位
Positioning By Work Piece End Face At Axial Direction

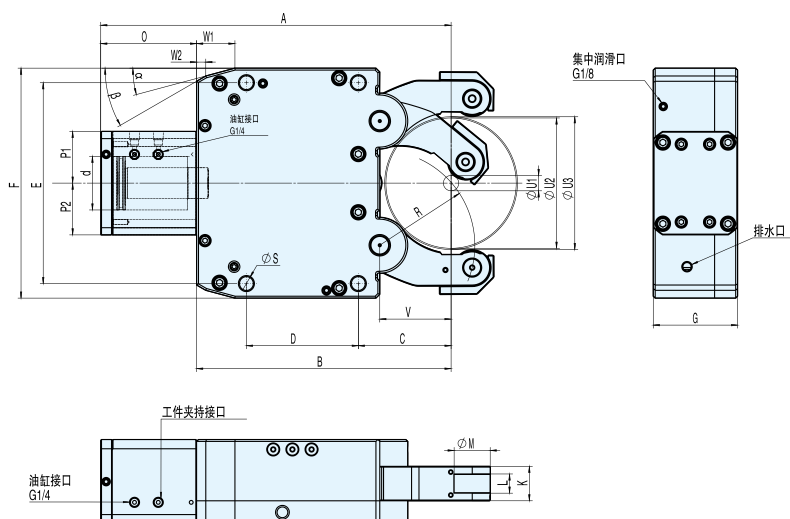
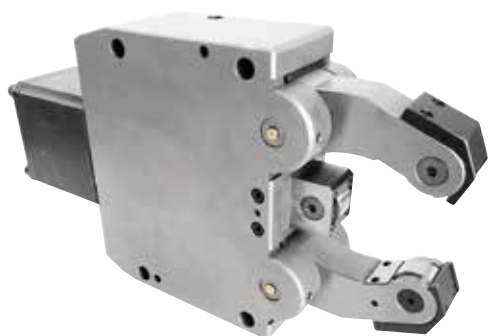


性能参数 Performance parameters

BDF-AUTOCHUCK 型号			SF-215	SF-260		SF-325		SF-460	
安装形式 Installation form			A06	A06	A08	A08	A11	A11	A15
卡盘外径 Chuck outer diameter	A		220	260		325		460	
卡盘高度 Chuck height	B		176	235	213	285	251	344	309
	C		230	270		335		470	
	D		106.375	106.375	139.719	139.719	196.869	196.869	285.775
	E		133.4	133.4	171.4	171.4	235	235	330.2
	G		M34 X 1.5	M33 X 1.5		M45 X 1.5		M85 X 2	
	G1		M12	M16		M16		M56	
	G2		M12	M12	M16	M16	M20	M20	M24
	G3		M10	M12		M12		M16	
	H		42	54		70		110	
拉杆驱动距离 pull rod drive distance	最小 / 最大 minimum/maximum	L	55/40	96.5/81.5	121.5/106.5	106/91	140/125	119/104	154/139
拉杆驱动距离 pull rod drive distance	最小 / 最大 minimum/maximum	M	44/-4	96.5/26.5	121.5/51.5	106/26.8	140/60.8	119/24.4	154/56.5
	N		30	42		42		42	
	P		15.5	18	21	24	26	26	34
	R		30	45		50		50	
	S		15	16.5		16.5		56.5	
	U		10	15		15		15	
轴向运动 / 卡盘体 Axial movement/chuck body	Z		40	53		58		68	
宽 * 深 Width*depth	a		16*3	18*4		18*4		22*4	
	b		32	36		45		52	
	c		35	40		40		50	
	d		56.5	75		96.5		150.5	
	e		4	4		4		4	
	f		10	12		12		16	
最大卡爪行程（直径）Max. claw stroke（diameter）	mm		5.3	5.8		7.6		9	
最高转速 Highest rotating speed	r.p.m		3000	2500		2000		1500	
最大推拉力 The biggest push & pull force	KN		30	50		75		100	
最大夹紧力 Maximum clamping force	KN		60	100		150		200	
重量 Weight	KG		40	75	70	140	127	364	336

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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- 全密封自带铁屑防护罩；
- 内部集中润滑：润滑间隔2-5分钟
- 润滑压力范围：10-45bar
- 润滑油：HLP 46 DIN51502

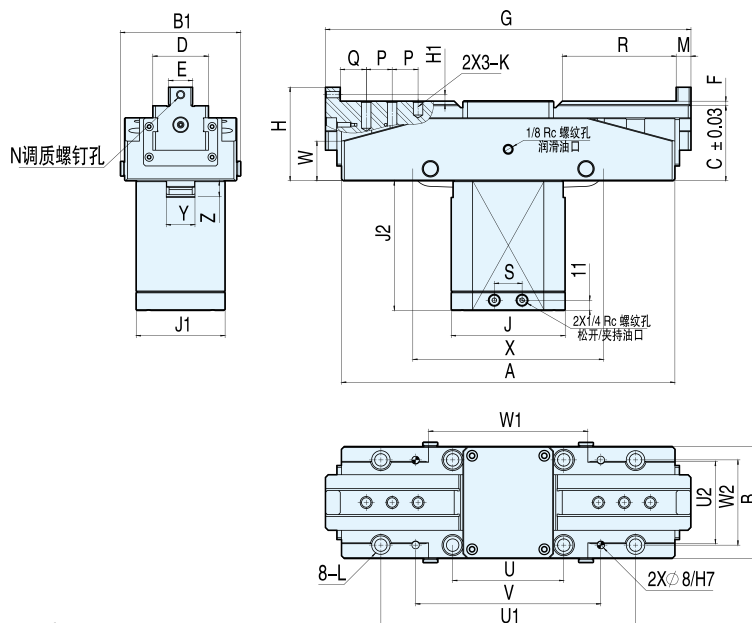
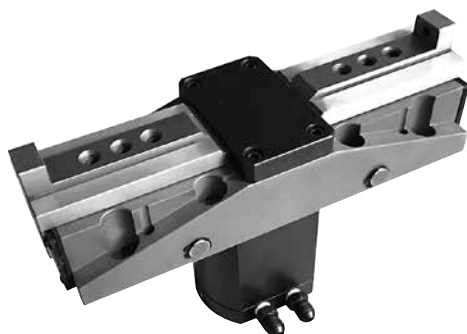
- Fully sealed self-contained scrap iron shield
- Internal centralized lubrication: lubricating interval is 2 to 5 minutes
- Lubricating pressure range: 10-45 bar
- Lubricating oil: HLP 46 DIN51502

性能参数 Performance parameters

规格型号 Spec.		TSR8-70A	TSR20-130A	TSR20-170A	TSR50-200A	TSR30-253A	TSR50-310A
夹持范围带铁屑防护	U1	8	20	20	50	30	50
	U2	70	120	165	200	245	
最在轴向净直径	U3	75	130	170	202	253	318
	A	239	440	457	501	610	697
	B	155	306	332	365	460	520
	C	64	115	121	146	158	185
	D	66	135	146	146	240	270
	E	146	252	262	286	365	400
	F	166	290	300	320	405	440
	G	65	105	110	110	125	150
	K	30	35	45	45	60	75
滚子高度	L	15	19	25	25	25	29
滚子直径	M	24	35	47	47	52	62
	O	84	118	125	136	155	188
	P1	50	62.5	67.5	67.5	85	90
	P2	32	62.5	67.5	67.5	85	90
	R	55	116	124	139	172	209
	S	12	18	18	18	23	23
	V	37	85	93	146	128	160
	W1	20	40	50	50	58	62
	W2	5	8	12	12	18	19
	α	15°	15°	15°	15°	15°	18°
	β	30°	30°	30°	30°	40°	40°
活塞面积	cm ²	11.34	30.6	38.5	38.5	63.6	78.5
使用压力 min/max	bar	6/40	6/40	8/40	8/40	8/40	8/40
最在夹持力	daN	83	350	500	500	750	1000
整个夹持范围内的定位精度	mm	0.03	0.03	0.04	0.04	0.05	0.06
重复定位精度	mm	0.005	0.005	0.007	0.007	0.007	0.01
滚子最大线速度	m/min	800	800	725	725	715	700
重量	kg	11.8	52	68	78.5	126	178

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- 曲柄型二爪同步夹具，爪行程长；
 - 摺动面均经硬化及精密研磨，并直接滑润；
 - 高夹持精度，防压效果特佳。
- Crank type two-claw synchronous clamp can have long claw stroke
 - The folding surface are hardened and precisely grinded, and directly lubricated
 - The clamping precision is high and the pressure resistant efficiency is very high

尺寸参数 Size parameter

寸法 Size	A	B	B1	C	D	E(h6)	F	G		H	H1	J	J1	J2	K	L
型号 Model								Max.	Min.							
CP-20	215					18		249	229					83.5	M10×1.5	
CP-30	280	88	96	53	40	22	4	327	297	75	13	94	76	196		
CP-40	270							331	291					110	M12×1.75	
CP-50	300	110	115	65	50	28	5	369	319	90	15	105	105	120		
CP-70	346	120	126	89	55	32		430	360	114		115	115	146	M14×2	M12

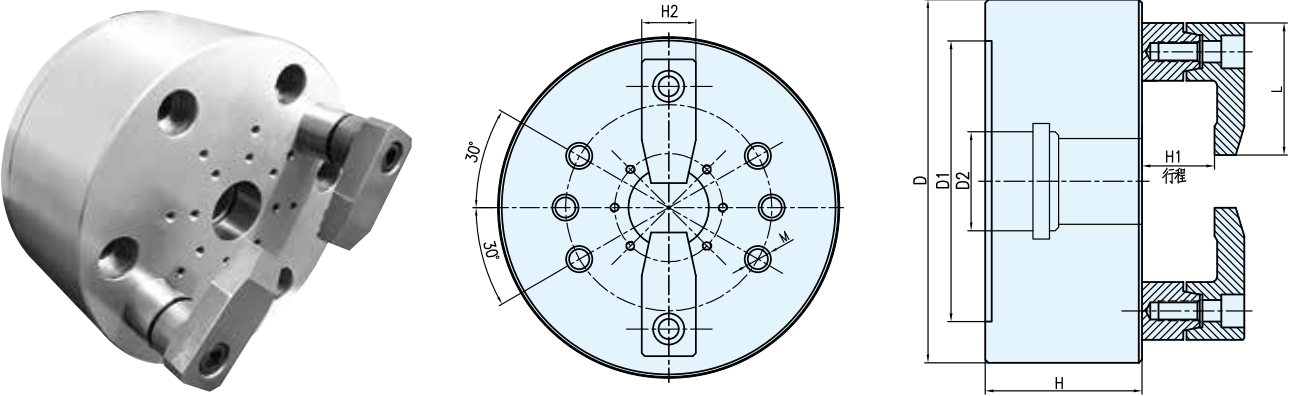
寸法 Size	M	N	P	Q	R	S	T	U	U1	U2	V	W	W1	W2	X	Y	Z
型号 Model																	
CP-20	12		18	20	66							32	110		150		4
CP-30		M6×1				24	22	102	190	60	156	23	110	65	156	22	6
CP-40	14		20	24	98							25	110		150		10.5
CP-50		M8×1.25	21	28	102	30	32	105	230	85	195	29	140	80	180	30	10
CP-70	16		23		112		52	120	275	79	240	42	155	90	210	34	23.5

性能参数 Performance parameters

规格 Spec.	活塞面积 Eff. piston area cm ²		爪行程 (直径) mm	最大夹持能力 mm	最大夹持力 kN(kgf)	最高使用压力 MPa (kgf/cm ²)	重量 Kg
型号 Model	伸侧 Extend	拉侧 Retract	Claw travel (Diameter)	Clamping capacity	Max. clamping force	Max. pressure	Weight
CP-20			20	150	16.2(1650)		9.5
CP-30	28.27	25.13	30	210	17.7(1800)		
CP-40			40	200	14.7(1500)	3.5(35)	12
CP-50	38.48	33.57	50	215	20.3(2070)		18.5
CP-70	50.26	45.35	70	235	26.9(2742)		30

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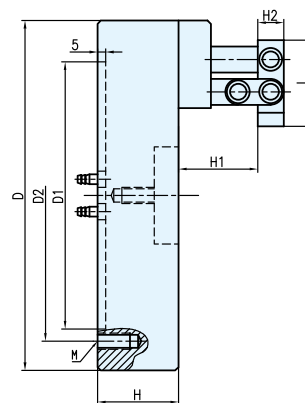
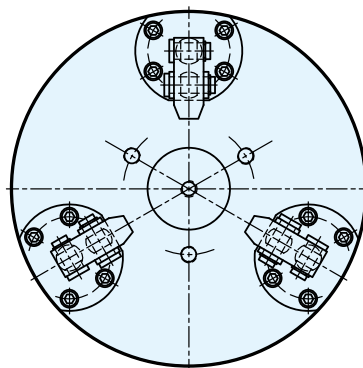


应用范围 Application scope

- 本产品适用于阀门类和异型零件使用。
 - 定位精度准确，使用寿命长。
 - 装夹方便快捷，安全可靠。
 - 压板行程可根据工件要求定制，也可以做成可旋转式压板。
 - 工件定位方便且可换性好。
- This product is applicable to valve and special-shaped parts.
 - High positioning precision, long service life.
 - The clamping is convenient and quick, safe and reliable.
 - Plate stroke can be customized according to the requirements of workpieces, and the plate also can be made into rotating plate.
 - Workpiece positioning is convenient and the changeability is high.

规格 Spec.	最高使用转速 (r.p.m) Maximum speed	适用油缸 Suitable cylinder	许用压力 Mpa Allowable pressure	D	D1	D2	H	H1	L	M
KG160-L	3500	RH100/TH536	2.5	φ170	φ140	M20	85	-	60	6-M10
KG200-L	3000	RH125/TH646	2.0	φ210	φ170	M24	95	-	80	6-M12
KG250-L	2500	RH125/TH852	2.0	φ250	φ220	M24	100	-	100	6-M16

注：以上数据为标准参数，可根据客户要求提供个性化定制方案
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应用范围 Application scope

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- 定位精度准确，使用寿命长。
- 装夹方便快捷，安全可靠。
- 压板行程可根据工件要求定制。
- 工作定位方便且可换性好。
- This product is applicable to valve and special-shaped parts.
- High positioning precision, long service life.
- The clamping is convenient and quick, safe and reliable.
- Plate stroke can be customized according to the requirements of workpieces.
- Workpiece positioning is convenient and the changeability is high.

技术特点 Technical characteristics

- 前置式动力缸，无需另配动力源（如气缸或油缸）。
- 压板可换，定位可换。
- 安装方便，结构新颖。
- Front-mounted power cylinder, need not to match power source (such as a gas cylinder or oil cylinder).
- The pressure plate can be changeable, and the positioning can be changeable.
- Easy installation, new structure.

规格 Spec.	最高使用转速 (r.p.m) Maximum speed	许用压力 Mpa Allowable pressure	D	D1	D2	H	H1	H2	L	M
KG160-Q	3500	0.4~0.8	φ170	φ130	142	50	-	18	60	3-M8
KG200-Q	3000	0.4~0.8	φ210	φ165	180	50	-	20	80	3-M10
KG250-Q	2500	0.4~0.8	φ250	φ206	226	60	-	25	100	3-M12

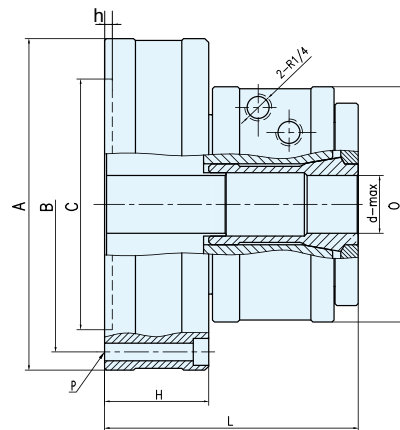
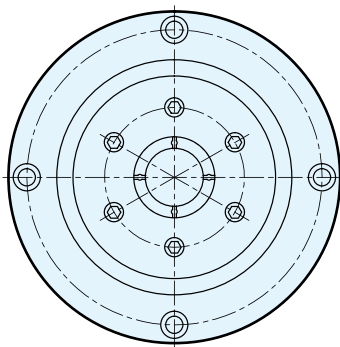
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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Front-mounted hollow collet chuck

- 专利产品，短圆柱连接形式。
 - 前置式中空精密筒夹夹头，本体精度可达到0.01mm。
 - 内藏式气缸，转速高，无需额外安装夹紧动力装置。
 - 可安装轴向定位，提高工件轴向精度及加工效率。
 - 适用于数控车床、立、卧式加工中心、第四轴和其他自动化设备，可实现自动化送料夹持加工。
 - 夹头不后缩，可正常控制工件定位长度。
 - 压力中断时，夹头呈夹持状态。
- Patented product, cylindrical form of connection.
 - Front-mounted hollow precision collet, with repeated positioning accuracy of up to 0.01mm.
 - Concealed cylinder, with high speed, with no extra clamping power unit.
 - An axial positioning device can be installed to improve the axial accuracy and processing efficiency of workpieces.
 - Suitable for CNC lathes, vertical and horizontal machining centers, fourth axis and other automation equipment, and feed clamping processing can be automated.
 - Chuck will not shrink and can control the positioning length of the workpiece.
 - When pressure is interrupted, chuck keep clamping.

实用新型专利号：ZL 2012 2 0388727.8



尺寸参数 Size parameter

规格 Spec.	A	B	C	O	H	L	P	h
KJT15	100	84	70	71	40	85	4-M6	5
KJT25	167	147	130	104	48	108	4-M8	5
KJT40	187	168	150	133	50	122	4-M8	5
KJT60	222	203	170	168	55	130	4-M10	5

性能参数 Performance parameters

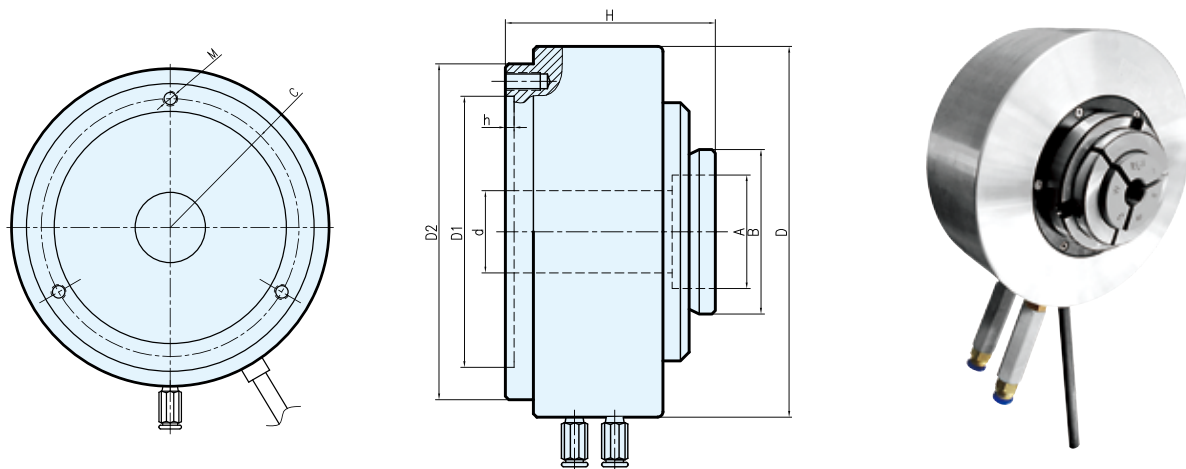
规格	最大转速 (r.p.m)	活塞面积 cm ²		适用夹头	夹头锥度	许用压力 Mpa	最大夹持圆直径 d-max	最大夹持正方形 d-max	最大夹持六角形 d-max	重量 kg
Spec.	Maximum speed (r.p.m)	押侧	拉侧	Apply to chuck	Chuck taper	Permissible pressure Mpa	Maximum clamping diameter d-max	Maximum clamping square d-max	Maximum clamping hexagon d-max	Weight
KJT15	4000	39.5	37	YB-15	30°	0.3~0.8	φ15	10	12	3.2
KJT25	3000	128	119	YB-25	20°	0.3~0.8	φ25	18	22	9.5
KJT40	2500	161	145	16C	20°	0.3~0.8	φ40	28	35	13.5
KJT60	2000	235	208	20C	20°	0.3~0.8	φ60	42	52	20.5

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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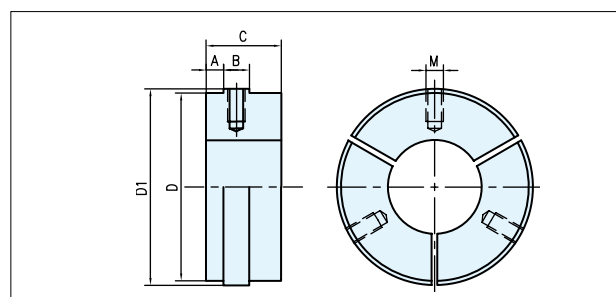
KJA-Q 前置式中空筒夹

Front-mounted hollow collet chuck



- 前置式中空筒夹夹头，内藏式气缸，无需另配动力缸。
- 夹持精度0.05~0.08mm，离夹头端面10mm左右处。
- 适用于数控车床、普通车床及其他自动化设备，可实现自动化送料夹持加工。
- 铝合金缸体、重量轻、散热性好。

- Front-mounted hollow collet chuck, internal-mounted cylinder, need not to match power cylinder.
- The clamping precision is 0.05~0.08mm, away from the chuck end 10mm.
- Applicable to CNC lathe, ordinary lathe and other automatic equipment, can realize the processing of automatic feeding and clamping.
- Aluminum alloy cylinder body, light weight, good heat dissipation.



规格 Spec.	KJA25-Q	KJA40-Q	KJA70-Q
尺寸 Dimension			
D	45	65	105
D1	48	68	180
A	5	6	6
B	7	9	9
C	19	26	26
D	M5	M6	M6

尺寸参数 Size parameter

规格 Spec.	D	D1	D2	d	A	B	H	M	C	h
KJA25-Q	170	100	135	26	45	68	105	3-M8	115	4
KJA40-Q	212	155	192	46	65	94	128	3-M10	172	5
KJA70-Q	266	155	192	68	105	136	142	3-M10	172	5

性能参数 Performance parameters

规格	最大转速 (r.p.m)	活塞面积 cm ²	许用压力 Mpa	夹爪行程 mm	最大通孔 mm	最大过料直径 mm	重量 kg
Spec.	Maximum speed (r.p.m)	Piston area cm ²	Permissible pressure Mpa	Maximum clamping diameter d-max	The biggest hole	Maximum clamping hexagon d-max	Weight
KJA25-Q	1800	115 ² cm	0.2~0.8	1.5	26	25	6.3
KJA40-Q	1600	182 ² cm	0.2~0.8	1.5	46	45	12.9
KJA70-Q	1400	292 ² cm	0.2~0.8	1.5	68	67	20.5

* 注意:

- 高速旋转时请加装防护罩，以免物件射出伤人。
- 本夹头防水能力不足，请勿使用切削液。
- 有卡料机率，用于全自动送料装置时有中断困扰。

Note

- Please add a shield when rotate at high speed to avoid objects shot hurting people.
- This chuck's waterproof ability is insufficient, please don't use cutting fluid.
- Have a probability of stuck. When used for automatic feeding device, there is the trouble of disruption.

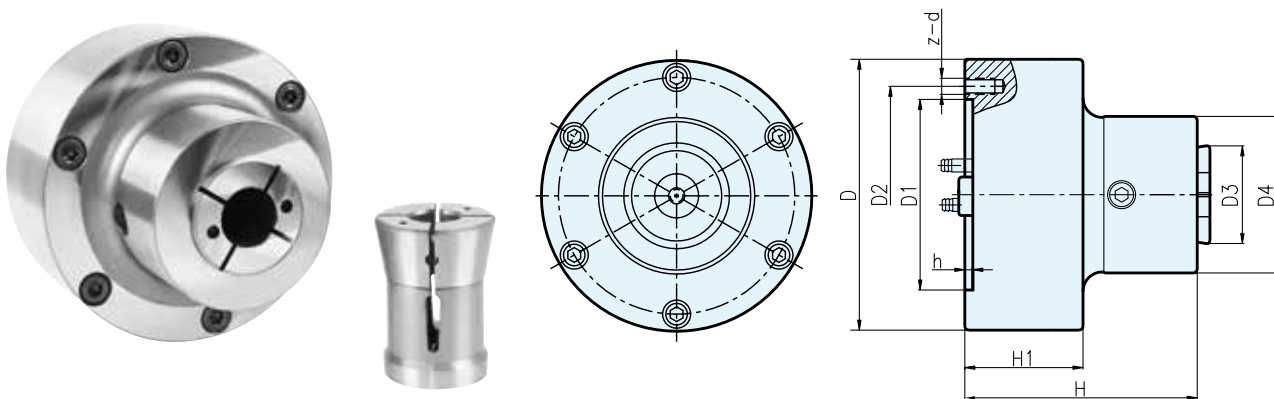
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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Solid chuck

- 专利产品，短圆柱连接形式。
 - 该产品为前置式内藏缸结构，安装方便，采用行业标准连接形式，夹持精度高、速度快，可承受较高的转速，无须另配动力缸，安全可靠，使用寿命长。
 - 适用于盘类和短轴类零件的批量加工和精密加工使用。
 - 重复定位精度可达到0.01mm。
- Patented product, cylindrical form of connection.
 - This product has a front-mounted built-in structure and is easily installed, with a connection method following industry standards; safe and reliable with a long service life, it has high clamping precision, works fast, and can afford high speed, without no need of power cylinder.
 - Applicable for batch processing and precision machining of plate and short-shaft parts.
 - Repeated positioning accuracy of up to 0.01mm.

实用新型专利号：ZL 2012 2 0385569.0



尺寸参数 Size parameter

规格 Spec.	D	D1	D2	D3	D4	h	H	H1	z-d
KJS130	135	95	108	48	78	4	119	59	3-M8
KJS160	172	130	142	60	86	5	127	60	3-M8
KJS200	208	165	180	78	110	5	135	60	3-M10

性能参数 Performance parameters

规格	最大夹持力 (KN/kgf)	最大转速 (r.p.m)	许用压力 Mpa	最大夹持圆直径 d-max	最大夹持正方形 d-max	最大夹持六角形 d-max	重量 kg
Spec.	Maximum (KN/kgf)	Maximum speed (r.p.m)	Permissible pressure Mpa	Maximum clamping diameter d-max	Maximum clamping square d-max	Maximum clamping hexagon d-max	Weight Kg
KJS130	21/2142	3800		22	16	20	7
KJS160	40/4080	3400	0.4~0.8	35	25	30	13
KJS200	58/5916	3000		50	35	45	19

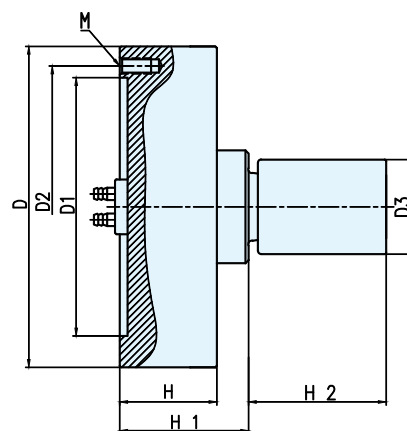
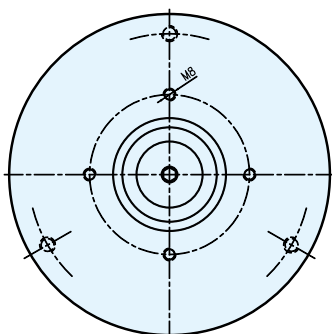
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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Expansion chuck

- 前置式动力源设计，安装方便，无需另配后拉缸。
- 根据不同中的规格，可以达到0.5~1.5的超大膨胀量。
- 短圆柱式行业标准连接方式，适用性广。
- 前端配有轴向支撑安装螺纹孔，定位方便。
- 双向锥度胀紧，重复定位精度可达0.01mm。

- Front-mounted power supply design, easy installation, need not to match back cylinder.
- According to different specifications, can achieve super quantity expansion of 0.5~1.5.
- Short cylindrical connection method of industry standards, and widely applied.
- Front end is equipped with axial installation threaded hole, convenient to position.
- Dual-direction taper locking, Repeated positioning precision can reach 0.01 mm



性能参数 Performance parameters

规格	最高使用转速 (r.p.m)	最大撑紧力 (KN.kgf)	许用压力 Mpa	撑紧范围 D3 (mm)	D	D1	D2	H	H1	H2	M
Spec.	Maximum speed (r.p.m)	Maximum clamping force (KN.kgf)	Allowable pressure Mpa	Clamping range (mm)							
KJZ130	3500	15/1530	0.4-0.8	φ10~φ30	φ135	φ95	φ108	60	80	-	3-M8
KJZ160	3500	25/2550	0.4-0.8	φ20~φ50	φ170	φ130	φ142	60	80	-	3-M8
KJZ200	3000	38/3876	0.4-0.8	φ20~φ70	φ210	φ165	φ180	62	82	-	3-M10
KJZ250	2500	65/6630	0.4-0.8	φ30~φ90	φ250	φ206	φ226	66	86	-	3-M12

应用范围 Application scope

- 用于撑内孔型零件的车削、铣削、磨削
- 固定式芯轴，精度高、转速高、扭力大
- 撑紧工作时通过胀套轴向运动实现轴向后拉式撑紧
- 胀套安装方便，更换快捷

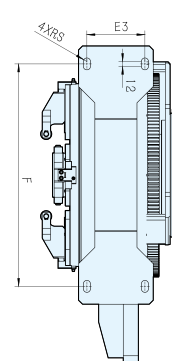
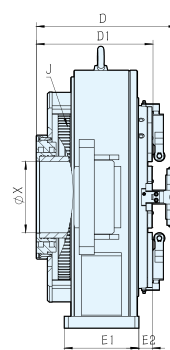
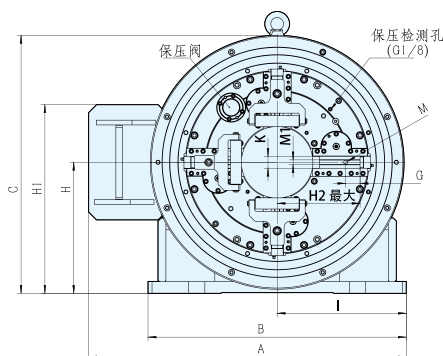
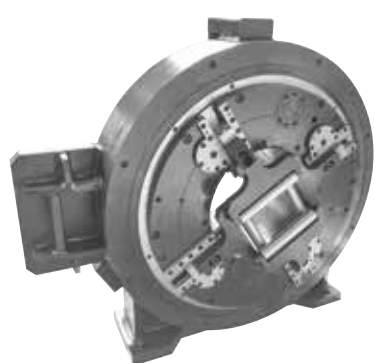
- Used to turn, mill, grind hollow parts
- Fixed spindle, high precision, high speed, large torque force
- When clamping, axial backward clamping is achieved through expanding-sleeve's axial movement.
- Expanding-sleeve is convenient to install and fast to replace.

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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Special chuck for laser cutting machine

- 大通孔气动保压型四爪双动作、两两自定心卡盘；
- 适用于相贯线管型料激光切割机固定材料专用；
- 滚轮式夹持爪，材料移动方便精准；
- 可夹持圆管、方管、长方形管、椭圆管及各种形状的型材；
- 线轨滑座式夹持爪导轨，精度高、噪音小、行程大。
- Large through hole pneumatic pressure maintaining type four-claw double action, each two with self-centering chuck;
- Specially suitable for the intersecting line tube type material laser cutting machine to fix the materials;
- Roller type clamping claw ensures the convenient and accurate material movement;
- Can clamp the round tubes, square tubes, rectangular tubes, oval tubes and all kinds of profiles with different shapes;
- Wire rail sliding base type clamping claw guide rail has high precision, low noise and large stroke.



尺寸参数 Size parameter

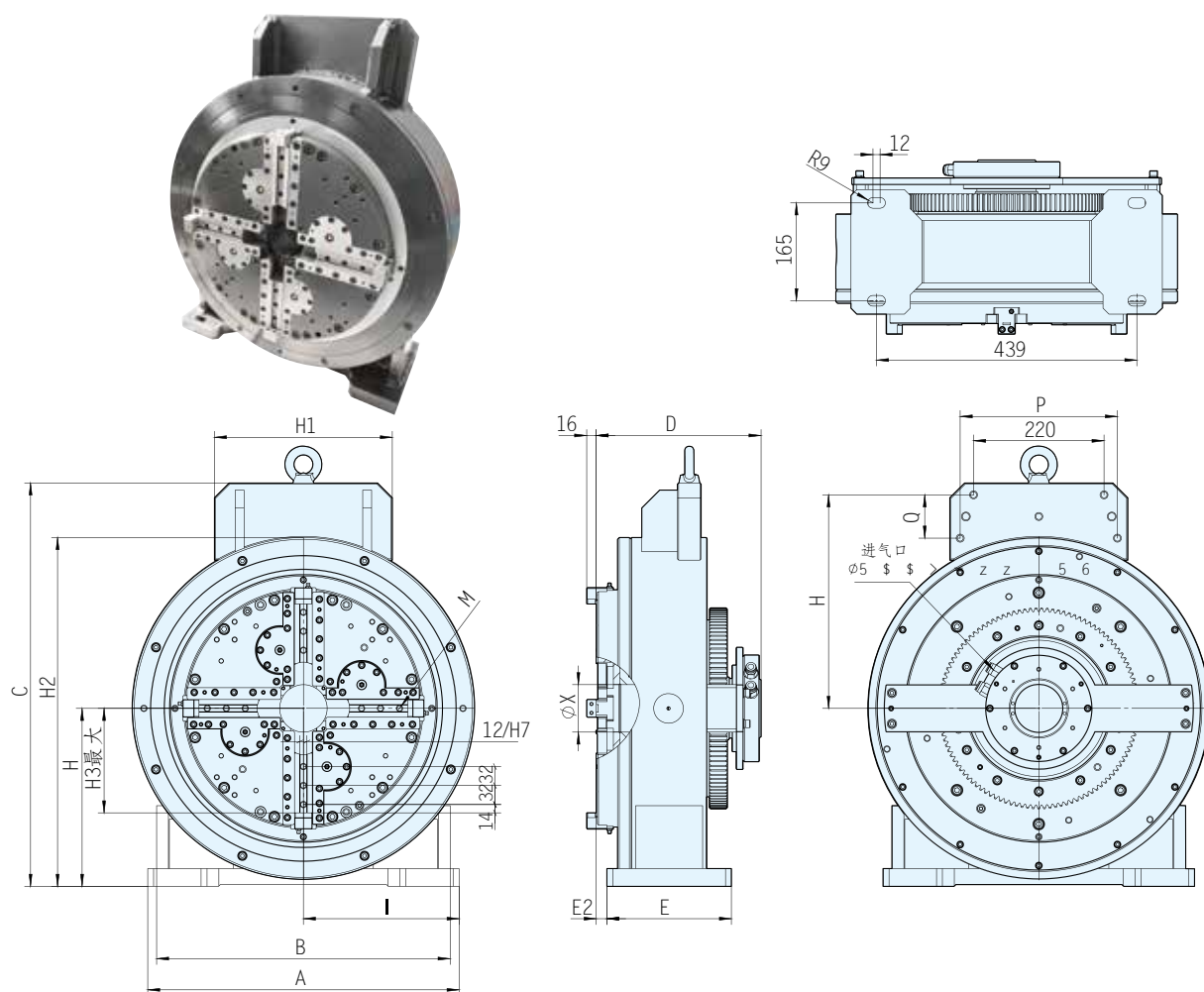
规格 Spec.	JQ120-2+2	JQ180-2+2	JQ230-2+2	JQ280-2+2	JQ330-2+2	JQ500-2+2
A	730	800	822	855	900	1210
B	600	650	650	650	680	1080
C	590	650	700	755	830	1089
X	120	180	230	280	330	500
H	305	330	360	385	430	560
H1	405	475	505	530	580	690
H2	175	208	233	251	276	503
D	354	354	354	354	354	354
D1	294	294	294	294	294	295
E1	188	188	188	188	188	188
E2	33.5	33.5	33.5	33.5	33.5	33.5
E3	146	146	146	146	146	146
F	560	560	560	560	600	940
G	36	36	36	36	40	40
I	278	325	325	325	340	560
J	/	169*3	169*3	189*3	220*3	250*3
K	30	30	30	35	45	45
M	M10	M12	M12	M12	M16	M16
M1	12/H7	12/H7	12/H7	12/H7	16/H7	16/H7
S	9	9	9	9	11	11
重量 /Kg	330	403	435	450	520	1186
惯量 /Kg/m ²	3.5	4.8	7.6	10.52	17.2	19.5

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

Special chuck for laser cutting machine

- 小通孔气动保压型四爪双动作、两两自定心卡盘；
 - 适用于相贯线管型料激光切割机送料专用；
 - 小通孔主要用于抽烟和切割粉尘；
 - 可夹持圆管、方管、长方形管、椭圆管及各种形状的型材；
 - 线轨滑座式夹持爪导轨，精度高、噪音小、行程大。
- Small through hole pneumatic pressure maintaining type four-claw double action, each two with self-centering chuck
 - Specially suitable for the intersecting line tube type material laser cutting machine to feed the materials
 - The small through hole is mainly used for suction of flue gas and cutting dust
 - Can clamp the round tubes, square tubes, rectangular tubes, oval tubes and all kinds of profiles with different shapes
 - Wire rail sliding base type clamping claw guide rail has high precision, low noise and large stroke.



尺寸参数 Size parameter

规格 Spec.	A	B	C	X	H	H1	H2	H3	H4	D
JH500-2+2	525	495	680	80	300	300	588	176	360	278
	E	E2	I	J	P	Q	M	M1	重量 /Kg	惯量 /Kg/m²
	210	18	262.5	111*3	265	73	M10	M12	304	3.9

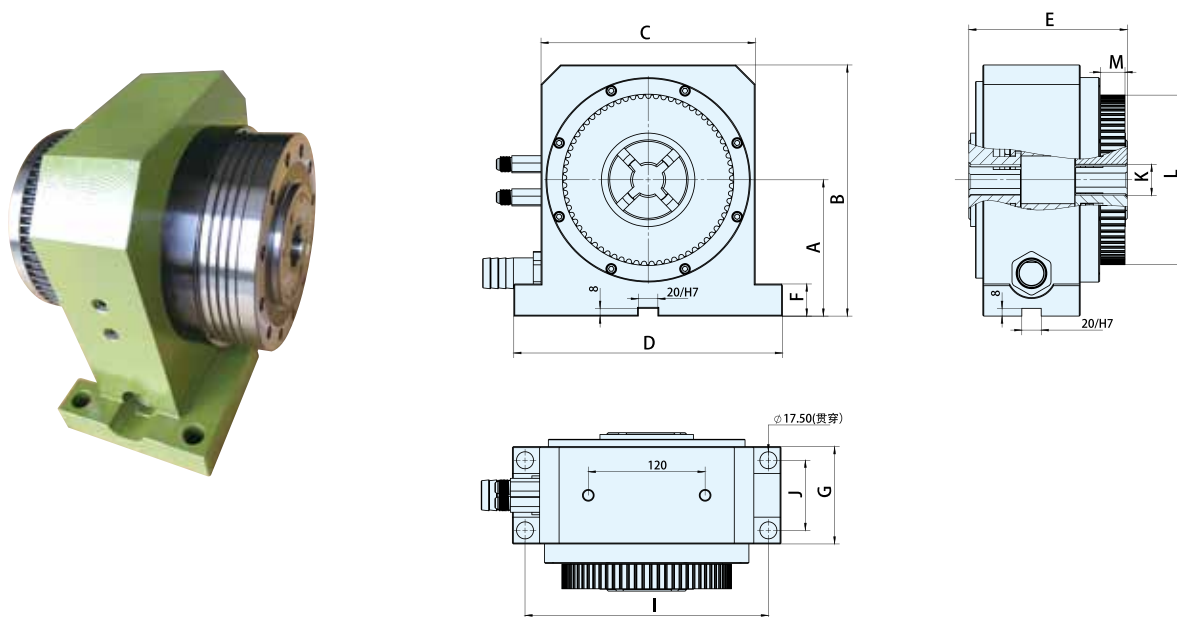
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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KJM-D 油压双向主轴夹座



Oil-pressure bi-directional spindle clamp



双向主轴夹座为：主轴+动力回转缸+快速筒夹为一体式设计的新
型切削工具，有效的解决了传统工件需要两端调头加工的缺陷，
本夹座可以一次装夹，同时车削两端，使用方便，大幅度的缩短了
加工时间，提高了加工效率也提高了两端的同轴精度。

Two-way main shaft holder: main shaft + dynamic rotary cylinder + quick collet is a
new type of cutting tool with integrated design, which effectively solves the defect
that traditional work piece needs two-end reversing for processing. For one time of
clamping, the holder can be used for two-end turning at the same time. Convenient
use greatly shortens processing time and improves processing efficiency and coaxial
precision of both ends.

尺寸参数 Size parameter

规格 Spec.	A	B	C	D	E	F	G	I	K	L	M
KJM25D-170	140	258	220	285	170	33	142	250	25	HTD-8M-56T	25
KJM35D-220	140	258	220	285	220	33	142	250	35	HTD-8M-66T	25
KJM50D-220	140	258	220	285	220	33	142	250	50	HTD-8M-70T	25

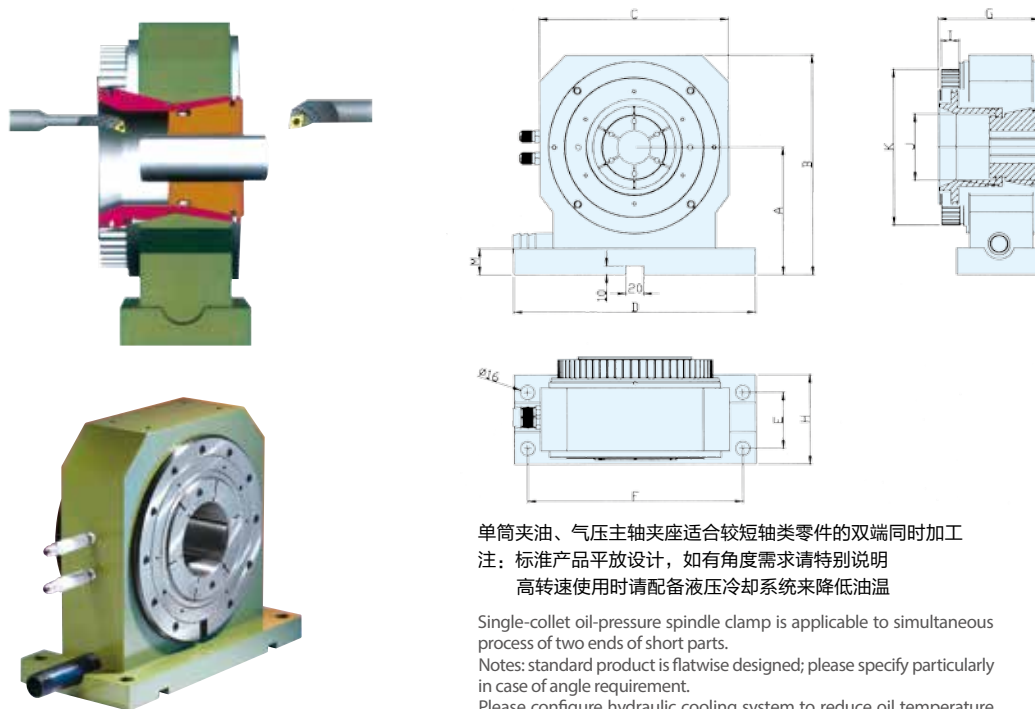
性能参数 Performance parameters

规格	驱动形式	最高转速 r.p.m	最高使用压力	夹持扭力	夹持直径	筒夹选配规格	重量 kg
Spec.	Power source	Max. rotation speed	Max. pressure	Clamping torque	Clamping range	Spec. of collet	Weight
KJM25D-170	油压	2500	20kg/cm ²	5000kg-15kg/cm ²	Ø5-Ø25	ER-40T	-
KJM35D-220	油压	2200	20kg/cm ²	5800kg-15kg/cm ²	Ø5-Ø35	ER-40T	-
KJM50D-220	油压	1800	20kg/cm ²	6600kg-15kg/cm ²	Ø15-Ø50	C-50T	-

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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油压单向主轴夹座参数（单筒夹） Parameters for Oil pressure one-way spindle holder (Single-collet clamp)



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	E	F	G	H	I	J	M	K
KJM-32	135	230	200	250	72	220	127	102	20	47	30	HTD5M*60T
KJM-50	135	245	220	270	110	238	130	142	25	85	30	HTD8M*70T
KJM-60	135	245	220	270	110	238	130	142	25	85	30	HTD8M*70T
KJM-70	145	265	240	288	105	256	130	142	25	85	32	HTD8M*80T
KJM-100	175	325	295	380	135	330	136	180	30	104	35	HTD8M*96T
KJM-120	185	350	320	400	146	356	160	190	30	148	35	HTD8M*100T

性能参数 Performance parameters

规格	筒夹规格	最高转速	夹持范围	动力源	最高压力	夹持扭力	重量 kg
Specification	Spec. of collet	Max. rotation speed	Clamping range	Power source	Max. pressure	Clamping force	Weight
KJM-32	C-32	2000rpm	φ 10- φ 32	油压	20kg/cm ²	2350kgf-15kg/cm ²	21kg
KJM-50	C-50	1800rpm	φ 16- φ 50	油压	20kg/cm ²	4500kg-15kg/cm ²	23kg
KJM-60	C-60	1600rpm	φ 20- φ 60	油压	20kg/cm ²	4200kg-15kg/cm ²	25kg
KJM-70	C-70	1600rpm	φ 25- φ 70	油压	20kg/cm ²	6900kg-15kg/cm ²	43kg
KJM-100	C-100	800rpm	φ 50- φ 100	油压	20kg/cm ²	5500kg-15kg/cm ²	55kg
KJM-120	C-120	600rpm	φ 60- φ 120	油压	20kg/cm ²	5000kg-15kg/cm ²	65kg

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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技术特点 Technical features

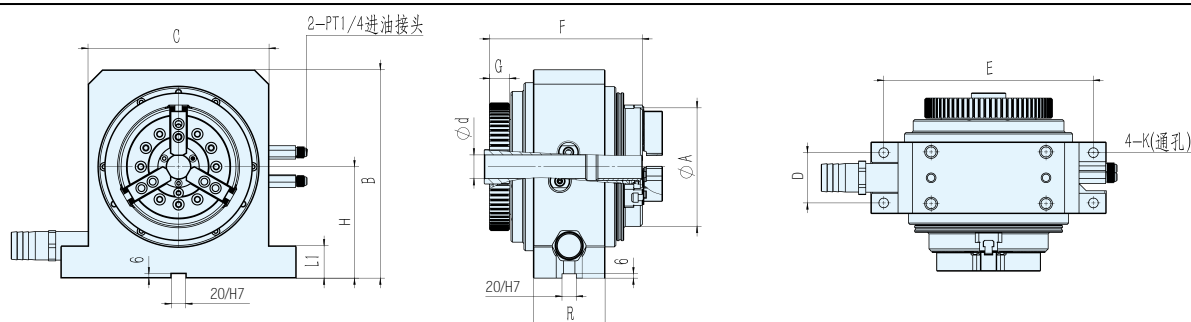
- 夹座式气动、液压旋转卡盘座；
- 使用方便，安装快捷，可取代主轴箱，满足特殊场合使用；
- 尾部自带同步带轮，可以主动力直接对接；
- 转速高，旋转状态下可以保持气源长通，防抱轴式设计；
- 以下参数内极限转速为液压形式值。
- Clamp type pneumatic, hydraulic rotary chuck seat
- Easy to use and convenient for installation; it can replace the spindle box and can meet the special occasions.
- The end is equipped with synchronous pulley, which can have direct connection with the main power.
- High rotation speed, keep long air source under rotation condition with the anti-lock shaft design
- The limit speed of the following parameters is the value of the hydraulic form.

用途 Applications

- 用于各形式焊接设备及切割设备以及各类专业切削设备；
- 中间设有较大通孔，可夹持长轴类材料；
- 可以按客户要求定制其他款型。
- It can be used in each form of welding equipment and cutting equipment and all kinds of professional cutting equipments.
- A larger through hole is set in the center which can clamp materials with long axis
- Other models can be customized according to customers' requirements.

实用新型专利号: ZL 2016 1 0771964.5

夹座式卡盘示意图 Installation and connection diagram for Holder type chuck.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	E	F	G	H	K	d	L1	R
KJ130T-3	166	290	252	70	292	213	30-8M60T	155	13.5	33	45	100
KJ160T-3	186	346	290	96	330	256	30-8M70T	195	18	45	45	130
KJ200T-3	215	358	290	96	330	260	30-8M80T	195	18	52	45	130
KJ250T-3	256	360	300	96	336	265	43-8M96T	210	18	75	45	130
KJ320T-3	330	416	366	106	406	289	43-8M106T	215	22	100	45	152
KJ400T-3	420	580	520	120	420	330	43-8M140T	268	22	140	45	220

性能参数 Performance parameters

规格	爪行程 (直径) mm	夹紧缸面积 cm ²	许用压力 (油压)	许用压力 (空压)	极限转速 r/min	夹紧范围	撑紧范围	重量 kg
Spec.	Claw travel (Diameter)	Area of clamping cylinder	Allowable pressure (Oil pressure)	Allowable pressure (Air pressure)	limit speed	Clamping range	Tightening range	Weight
KJ130T-3	5	49	15kg/cm ²	8kg/cm ²	2500	5-130	20-140	68
KJ160T-3	5	68	15kg/cm ²	8kg/cm ²	2500	5-170	20-180	115
KJ200T-3	6	140	15kg/cm ²	8kg/cm ²	2000	5-200	25-220	139
KJ250T-3	8	150	15kg/cm ²	8kg/cm ²	1600	10-260	30-260	165
KJ320T-3	10	176	15kg/cm ²	8kg/cm ²	1200	20-310	50-330	219
KJ400T-3	10	236	15kg/cm ²	8kg/cm ²	800	30-400	60-420	278

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

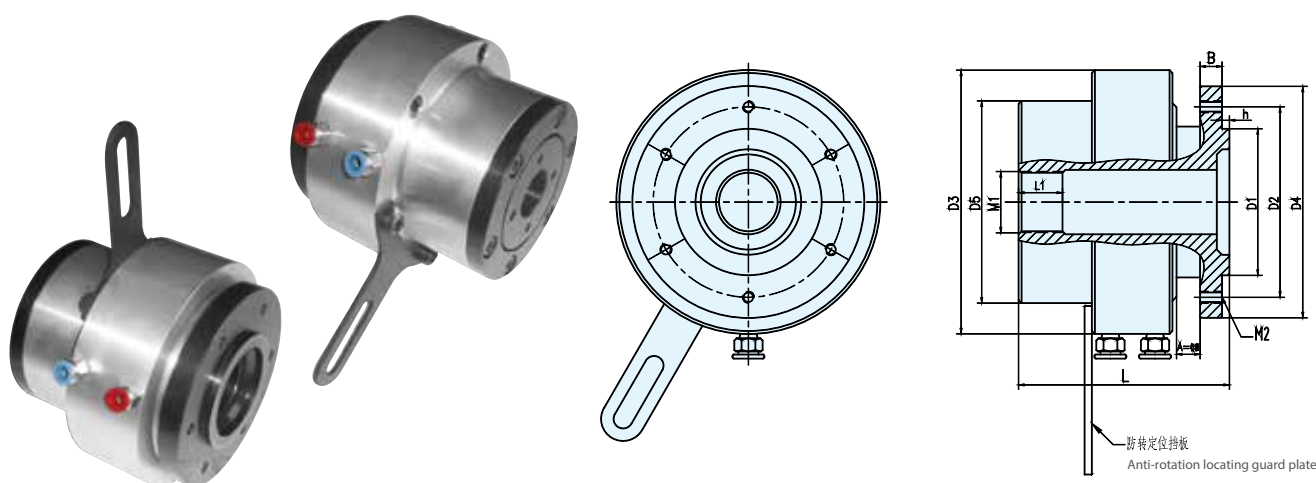
KH-T 高速中空回转气缸



High-speed hollow rotary cylinder

- 专利产品，是后拉式卡盘和筒夹头的动力源。
- 该回转气缸连接方式采用短圆柱连接形式，无需改动机床结构，只需在机床尾部安装与连接凸台(D1)相符合的法兰即可。
- 该产品采用铝合金材料，重量轻、转速高、不抱轴、动作快、不泄漏，中心为通孔结构，可实现连续进料和加工长轴工件，是全通孔后拉式动力卡盘和通孔筒夹的理想动力源，也可以用于其它装置的动力源。
- 防泄漏、防抱死，专利结构。
- Patented product, a power source of rear pulling power chuck and collet chuck.
- The connection method of the rotary cylinder is short cylindrical form, without changes in the machine tool structure, and a flange matching with the connecting convex (D1) can be installed at the tail of the machine tool.
- The product is made of aluminum alloy, with light weight, high speed, not journal sticking, fast operation and no leakage; its center is of through-hole structure and it can enable continuous feeding and process long-shaft parts; it is an ideal power source of rear pulling power chuck and through-hole collet, and can also be used as the power source of other devices.
- Leakproof, anti-lock, patented structure.

实用新型专利号：ZL 2012 2 0385426.X



尺寸参数 Size parameter

规格 Spec.	D1	D2	D3	D4	D5	M1	M2	L	L1	B	h
KH130T	80	110	158	140	120	M33×1.5	6-M8	157	30	15	5
KH150T	100	130	180	158	138	M42×1.5	6-M8	175	30	15	5
KH175T	120	150	208	178	149	M50×2.0	6-M10	175	35	15	5
KH200T	130	170	240	195	158	M60×2.0	6-M10	192	35	15	5

性能参数 Performance parameters

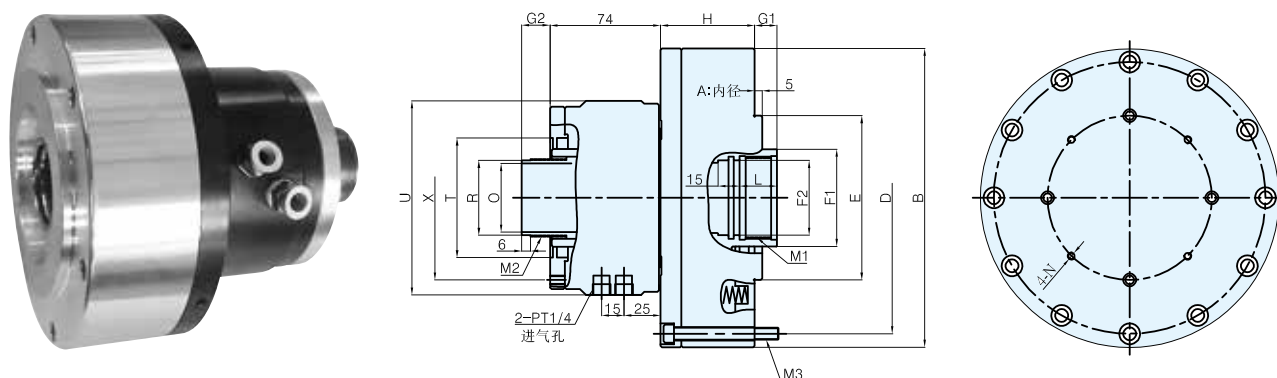
规格	活塞行程 (A)	拉杆最大孔径 (直径)	最大推拉力 Kgf (KN)	许用压力 Mpa	极限转速 r/min	重量 kg
Spec.	Piston stroke	Maximum aperture of draw bar (diameter)	Max. push-pull force Kgf (KN)	Permissible pressure Mpa	Limit speed r/min	Weight
KH130T	12	26	591 (5.8)	0.4-0.8 (8)	4000	8.8
KH150T	15	34	754 (7.4)	0.4-0.8 (8)	3500	11.6
KH175T	15	42	1224 (12)	0.4-0.8 (8)	3000	14.5
KH200T	18	52	1683 (16.5)	0.4-0.8 (8)	2500	18

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

Hollow single piston cylinder

- 大通孔，通孔贯穿可加工长轴类零件。
- 轻量型，高转型，阀体经特殊设计，能使压缩空气的消耗量节减，充分发挥高效经济效益。
- 内部零部件皆采用进口原件，运动平衡，高寿命。特大通孔可根据客户需求定制。
- 使用时请注入微量油雾。
- Large through-hole, The hole is through out for processing of parts with long shaft.
- The valve body is specially designed with lightweight and high rotation, which can reduce the consumption of the compressed air, give full play to the high efficient and economic effectiveness.
- Internal components and parts are imported with balanced movement and long service life. Extra large through-hole can be customized according to customers' requirements.
- Please inject trace amount of oil mist when using



尺寸参数 Size parameter

规格 Spec.	A	B	D	E (h7)	F1	F2 H8	G1		G2		H	L
							Max.	Min.	Max.	Min.		
RQ130	130	160	143	110	45	36.5	15	0	35	20	60	15
RQ150	150	180	163	110	65	50	15	0	35	20	63	15
RQ170	170	200	182	110	65	50	15	0	35	20	63	15

规格 Spec.	M1	M2	M3	O H7	N	R	T	U	X
RQ130	M38X1.5	M44X1.5	6-M8X65	34	M5X10	42	74	108	90
RQ150	M55X2	M52X1.5	6-M8X70	46	M6X10	50	86	130	110
RQ170	M55X2	M52X1.5	6-M8X70	46	M6X10	50	86	130	110

性能参数 Performance parameters

规格 Spec.	活塞面积 cm ² Piston area cm ²		行程 mm	最高回转数 min-1(r.p.m)	最高使用压力 MPa(kgf/cm ²)	最大推拉力 kgf(KN)		GD2 kg.m ²	重量 kg
型号 Model	押侧 Press side	拉侧 Pull side	Stroke	Highest turnover number	Maximum working pressure	推侧 Push the side	拉侧 Pull side	GD2 kg.m ²	Weight
RQ130	116.8	116.8	15	5000	0.8(8)	933(9.14)	933(9.14)	0.04	8.4
RQ150	153	143.5	15	4500	0.8(8)	1224(12)	1148(11.25)	0.06	9.5
RQ170	198.7	188.5	15	4500	0.8(8)	1589.6(15.58)	1508(14.78)	0.09	11.6

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

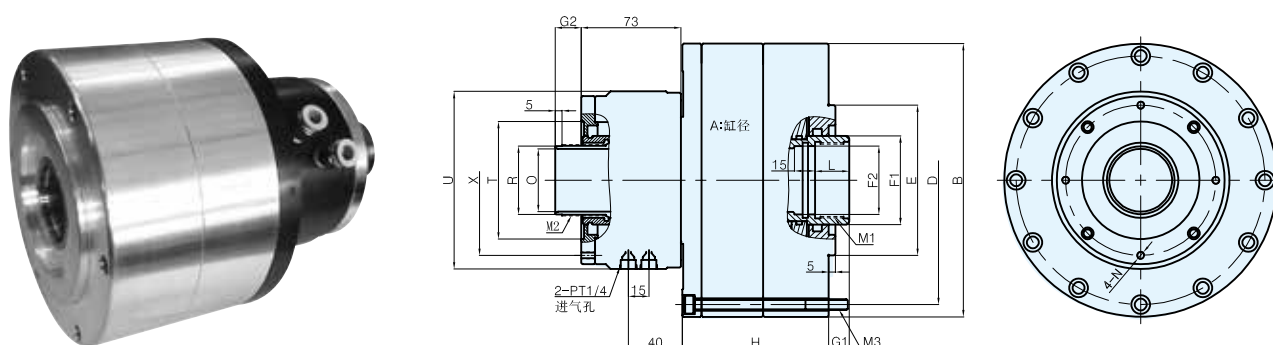
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

RQ-B 中空双活塞气缸



Hollow double piston cylinder

- 大通孔，双活塞设计，拉力能加大1倍。通孔贯穿可加工长轴类零件。
- 轻量型，高转型，阀体经特殊设计，能使压缩空气的消耗量节减，充分发挥高效经济效益。
- 内部零部件皆采用进口原件，运动平衡，高寿命。特大通孔可根据客户需求定制。
- 使用时请注入微量油雾。
- Large through-hole, double piston design, and the pull force can increase 1 times. The hole is through out for processing of parts with long shaft.
- The valve body is specially designed with lightweight and high rotation, which can reduce the consumption of the compressed air, give full play to the high efficient and economic effectiveness.
- Internal components and parts are imported with balanced movement and long service life. Extra large through-hole can be customized according to customers' requirements.
- Please inject trace amount of oil mist when using



尺寸参数 Size parameter

规格 Spec.	A	B	D	E (h7)	F1	F2	G1		G2		H	L
							Max.	Min.	Max.	Min.		
RQ130B	130	160	143	110	50	36.5	15	0	38	23	105	25
RQ150B	150	180	163	110	65	50	15	0	35	20	105	25
RQ170B	170	200	182	110	65	50	15	0	34	19	107	25

规格 Spec.	M1	M2	M3	O H7	N	R	T	U	X
RQ130B	M38X1.5	M44X1.5	6-M8X115	34	M5X10	42	74	104	90
RQ150B	M55X2	M52X1.5	6-M8X115	45	M6X10	50	86	123	110
RQ170B	M55X2	M52X1.5	6-M8X120	45	M6X10	50	86	123	110

性能参数 Performance parameters

规格 Spec.	活塞面积 cm ² Piston area cm ²		行程 mm	最高回转数 min~1(r.p.m)	最高使用压力 MPa(kgf/cm ²)	最大推拉力 kgf(KN)		GD2 kg.m ²	重量 kg
型号 Model	押侧 Press side	拉侧 Pull side	Stroke	Highest turnover number	Maximum working pressure	推侧 Push the side	拉侧 Pull side	GD2 kg.m ²	Weight
RQ130B	223.03	219.30	15	5000	0.8(8)	1784.2(17.5)	1752.2(17.2)	0.04	9.2
RQ150B	291.19	281.76	15	4500	0.8(8)	2329.53(22.83)	2254.1(22.09)	0.06	10.3
RQ170B	381.52	371.3	15	4500	0.8(8)	3052.1(29.91)	2970.4(29.11)	0.09	12.5

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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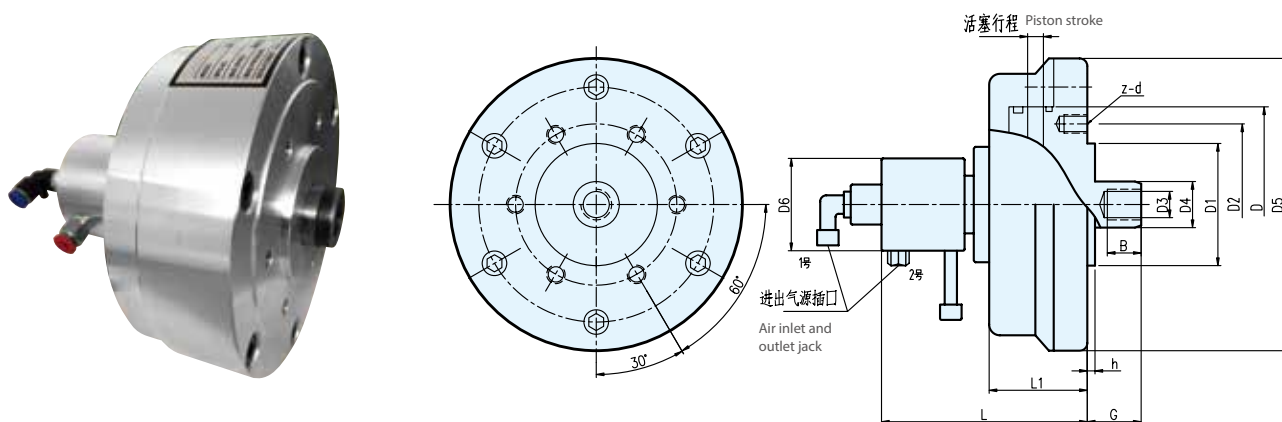
KH-S 高速中实回转气缸



Solid high-speed rotary cylinder

- 专利产品，是后拉式卡盘和筒夹头动力源。
- 该回转气缸连接方式采用短圆柱形式，无需改动机床结构，只需机床尾部安装与连接凸台(D1)相符合的法兰即可。
- 该产品采用铝合金材料，重量轻、转速高、动作快、不泄漏，是后拉式动力卡盘和筒夹的理想动力源，也可用于其它装置的动力源。
- Patented product, a rear pulling chuck and collet power source.
- The connection method of the rotary cylinder is short cylindrical form, without changes in the machine tool structure, and a flange matching with the connecting convex (D1) can be installed at the tail of the machine tool.
- The product is made of aluminum alloy, with light weight, high speed, fast operation and no leakage; it is an ideal power source of rear pulling power chuck and collet, and can also be used as the power source of other devices.

实用新型专利号：ZL 2011 2 0346074.2



尺寸参数 Size parameter

规格 Spec.	D	D1	D2	D3	D4	D5	D6	B	G		h	L	L1	z-d
									max	min				
KH110S	110	65	90	M16	30	140	60	30	25	13	4	127	68	6-M8
KH130S	130	65	90	M16	30	160	60	30	32	17	4	130	71	6-M8
KH160S	160	80	100	M20	32	196	60	30	38	18	5	138	80	6-M10
KH200S	200	100	130	M24	32	236	60	35	38	18	5	138	80	6-M12

性能参数 Performance parameters

规格	活塞行程	许用压力 Mpa	极限转速 r/min	最大推拉力 KN	重量 kg
Spec.	Piston stroke	Allowable pressure Mpa	Limit speed r/ min	sMaximum force KN	Weight
KH110S	12	0.4-0.8	4500	7.0	4
KH130S	15	0.4-0.8	4000	11.5	5
KH160S	20	0.4-0.8	3500	15.4	7.6
KH200S	20	0.4-0.8	3000	24.5	13.8

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

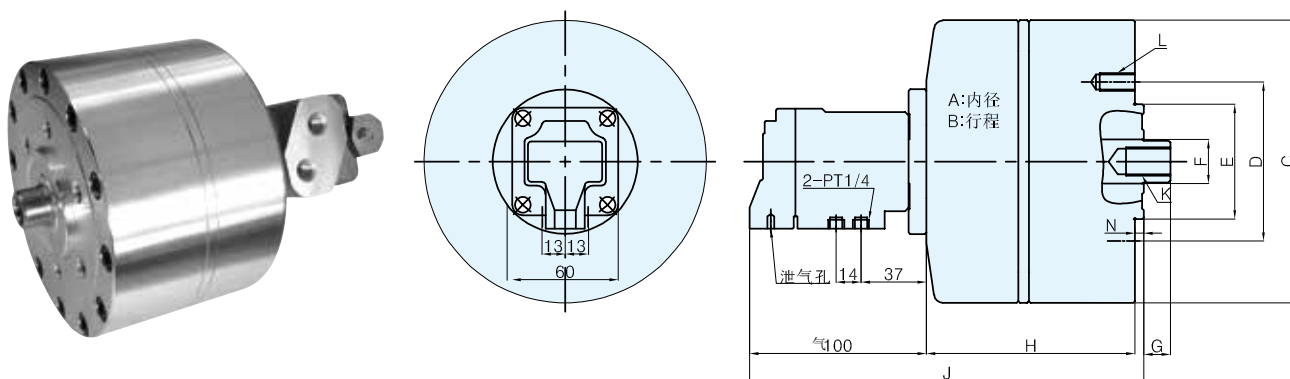
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

RA-B 中实双活塞气缸



Solid double piston cylinder

- 双活塞设计，拉力能加大1倍。
- 轻量型，高速型，运动平衡，回转阀体采用特殊铝合金制造而成，内部零部件采用进口原件，高寿命，低惯量。
- 使用时请注入微量油雾。
- 可根据客户需求定制。
- Double piston design, enlarge the pull force for 1 time.
- Lightweight, high rotation speed and balanced movement, the rotary valve is made of special aluminum alloy, and the internal components are imported with long service life and low inertia.
- Please inject trace amount of oil mist when using
- Can be customized according to customers' requirements.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	E h7	F	G		H	J	K	N
							Max.	Min.				
RA130B	130	12	160	90	65	25	32	20	113	221	M16X25	5
RA150B	150	20	180	125	100	30	31	11	132.5	232.5	M20X30	5

性能参数 Performance parameters

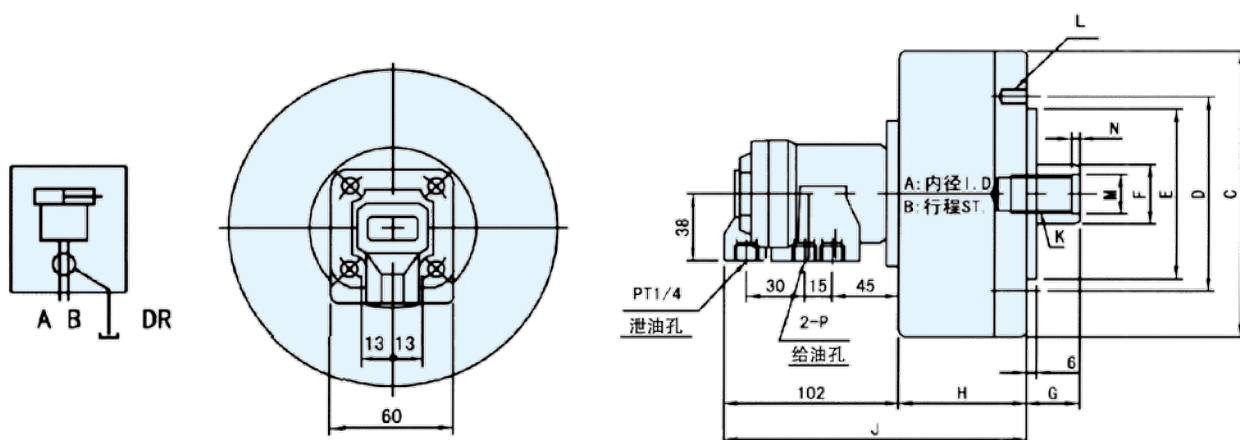
规格 Spec.	活塞面积 cm ² Piston area cm ²		行程 mm	最高回转数 min-1(r.p.m)	最高使用压力 MPa(kgf/cm ²)	最大推拉力 kgf (KN)		惯量 kg.m ²	重量 kg
型号 Model	压侧 Press side	拉侧 Pull side	Stroke	Highest turnover number	Maximum working pressure	压侧 Press side	拉侧 Pull side	inertia	Weight
RA130B	251.2	247.9	12	4000	8(0.8)	2009(20.09)	2000(20)	0.11	8.0
RA150B	339	332	20	4000		2440(23.9)	2390(23.4)	0.19	9.3

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

Solid rotary oil cylinder

- 轻铝合金精制而成，低惯性，重量轻，转速高，寿命长，可减轻机器主轴的负荷。
- 高压型长行程，内部零部件皆采用进口原件。
- It is made of light aluminium alloy, with low inertia, low weight, high speed, and long service life, and it can reduce the load on the machine spindle.
- With high-pressure long stroke, its interior parts and components are originally imported.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	E h7	F	G		H	J	K	L	M H8	N	2-P
							Max.	Min.							
RH65	65	15	98	80	60	22	45	30	74	175	M12×30	6-M8×16	-	-	PT3/8
RH80	80	15	112	90	65	25	45	30	74	175	M16×30	6-M8×16	-	-	
RH100	100	20	135	100	80	30	45	25	89	190	M20×35	6-M10×20	-	-	
RH125	125	25	160	130	110	36	50	25	96	197	M24×44	6-M12×20	-	-	
RH150	150	30	190	130	110	45	55	25	105	206	M30×45	12-M12×24	31	5	
RH200	200	35	245	145	120	55	70	35	130	231	M36×60	12-M16×30	37	5	

性能参数 Performance parameters

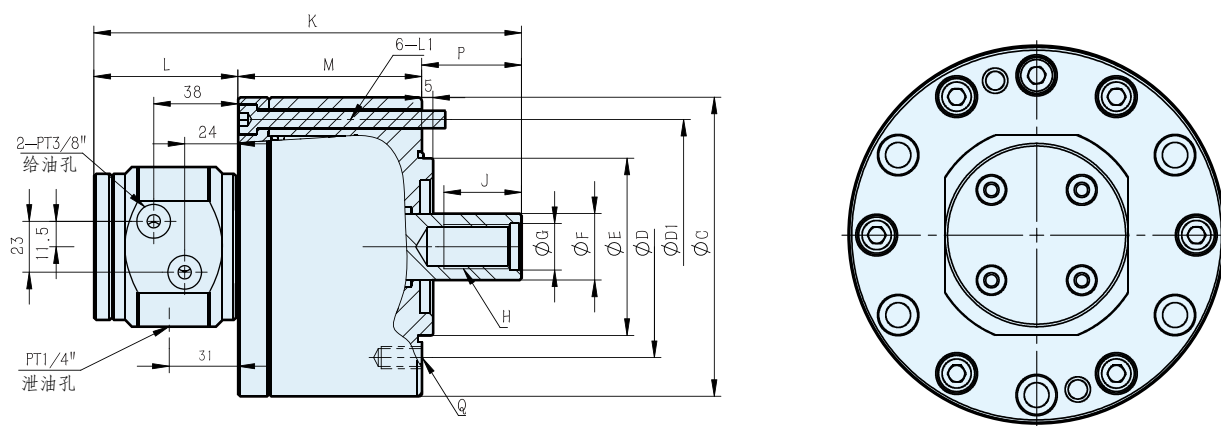
规格 Spec.	活塞面积 cm ² Piston area cm ²		行程 mm Stroke	最高回转数 min-1(r.p.m) Highest turnover number	最高使用压力 MPa(kgf/cm ²) Maximum working pressure	GD2 kg.m ²	重量 Kg Weight
	压侧 Press side	拉侧 Pull side					
RH65	31.0	27.9	15	6000	3.5(35)	0.01	2.9
RH80	47.7	42.8	15	6000	3.5(35)	0.01	3.4
RH100	75.4	70.5	20	5500	3.5(35)	0.04	4.9
RH125	119.6	112.5	25	5500	3.5(35)	0.08	6.8
RH150	173.6	157.7	30	4000	4.0(40)	0.18	11.5
RH200	310.0	286.3	35	4000	4.0(40)	0.38	20.4

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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Solid rotary oil cylinder

- 短型、高速、轻量型回转油压缸。
 - 安装时可由后端锁紧。
 - 泄油孔配管务必单独接回油压槽，以避免产生背压。
- For short form, light weight and high speed rotary cylinder.
- Can screw it from the rear end of the cylinder when mounting.
- The drain port should be independently connected to oil tank to avoid back pressure.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	D1	E(h7)	F	G(H8)	H	J
RK100L	100	20	135	100	115	80	30	21	M20	35
RK125L	125	25	160	100	140	110	35	25	M24	45
RK150L	150	30	190	130	170	110	45	31	M30	45

规格 Spec.	K	L	L1	M	P	Q	活塞行程 (mm) Piston Stroke	最高转速 highest speed	惯性矩 (kg·m²) Moment of inertia	流量 (l/min) Traffic
RK100L	193	65	M8X85	83	Max45 Min25	6-M10 深 20	20	6000r.p.m	0.013	0.8
RK125L	207	65	M8X95	91	Max51 Min26	6-M12 深 20	25	6000r.p.m	0.023	0.8
RK150L	222	65	M10X105	101	Max56 Min26	12-M12 深 20	30	6000r.p.m	0.048	0.8

性能参数 Performance parameters

规格 Spec.	最高使用压力 MPa(kgf/cm²) Maximum working pressure		活塞面积 (推力 / 拉力) cm² Piston area cm² (Thrust/Tension)		最大推 / 拉力 (kN) Max. Thrust/Tension		净重 (Kg) Weight
RK100L	40kg/Cm²	3.9MPa	78.5	71.5	31.4	28.6	5.4
RK125L	40kg/Cm²	3.9MPa	122.6	113	49	45	7.7
RK150L	40kg/Cm²	3.9MPa	176.6	160.6	70.6	64.2	12.2

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

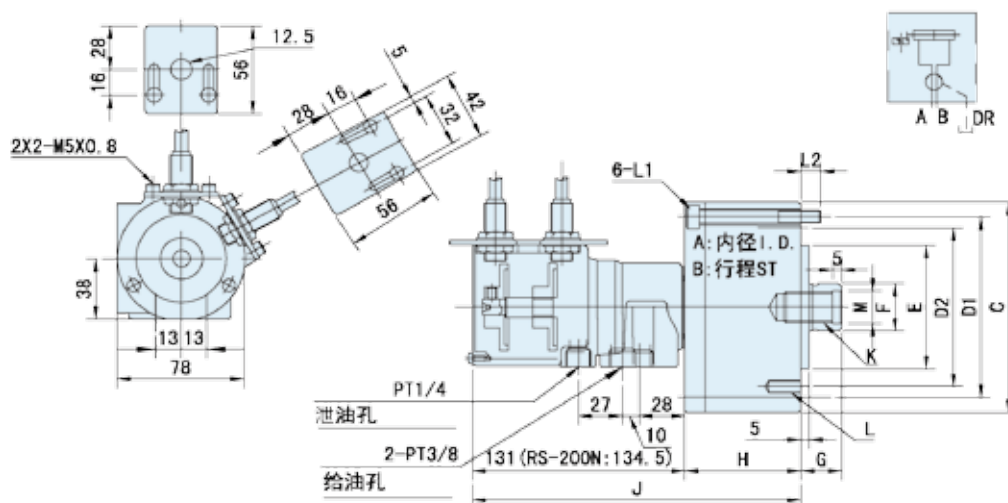
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

RS-N 行程检出型回转油缸



Stroke detection type rotary oil cylinder

- 短行，高速，行程控制型回转油缸。
 - 感应式进接开关，行程调整容易，可确认油缸正确动作。
 - 安装时可由后端所固之。
 - 泄油孔配管务必单独接回油压槽，以避免产生背压。
- Short stroke and high speed, stroke control type rotary oil cylinder.
 - Induction type access switch can have easy stroke adjustment and can confirm the correct action of oil hydraulic cylinder.
 - When installing, fix it though rear locking.
 - The drainage oil hole pipes must be connected to the return oil hydraulic tank separately, so as to avoid back pressure.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D1	D2	E h7	F	G		H	J	K	L	L1	L2	M H8
								Max.	Min.							
RS65N	65	20	97	80	80	60	25	45	25	62	193	M16×30	6-M8×16	M6×70	14.5	17
RS75N	75	15	107	90	90	65	30	45	30	57	188	M20×35	6-M8×16	M8×60	12	21
RS100N	100	20	132	115	100	80	30	45	25	72	203	M20×35	6-M10×20	M8×75	12	21
RS125N	125	25	160	140	130	110	35	50	25	82	213	M24×45	6-M12×20	M8×85	12	25
RS150N	150	30	190	170	130	110	45	55	25	95	226	M30×45	12-M12×24	M10×100	16	31
RS200N	200	35	245	220	145	120	55	70	35	115	249.5	M36×60	12-M16×30	M10×125	21	37

性能参数 Performance parameters

规格 Spec.	活塞面积 cm ² Piston area cm ²		行程 mm Stroke	最高回转数 min ⁻¹ (r.p.m) Highest turnover number	最高使用压力 MPa (kgf/cm ²) Maximum working pressure	GD ² kg.m ²	重量 Kg Weight
	压侧 Press side	拉侧 Pull side					
RS65N	32.0	28.3	20	6000	4.0(40)	0.01	3.2
RS75N	43.0	37.1	15	6000	4.0(40)	0.01	3.3
RS100N	77.4	71.5	20	6000	4.0(40)	0.04	4.8
RS125N	121.6	113.1	25	5500	4.0(40)	0.05	7.3
RS150N	175.6	160.8	30	5500	4.0(40)	0.16	10.6
RS200N	313.0	290.4	35	5500	4.0(40)	0.29	15.9

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

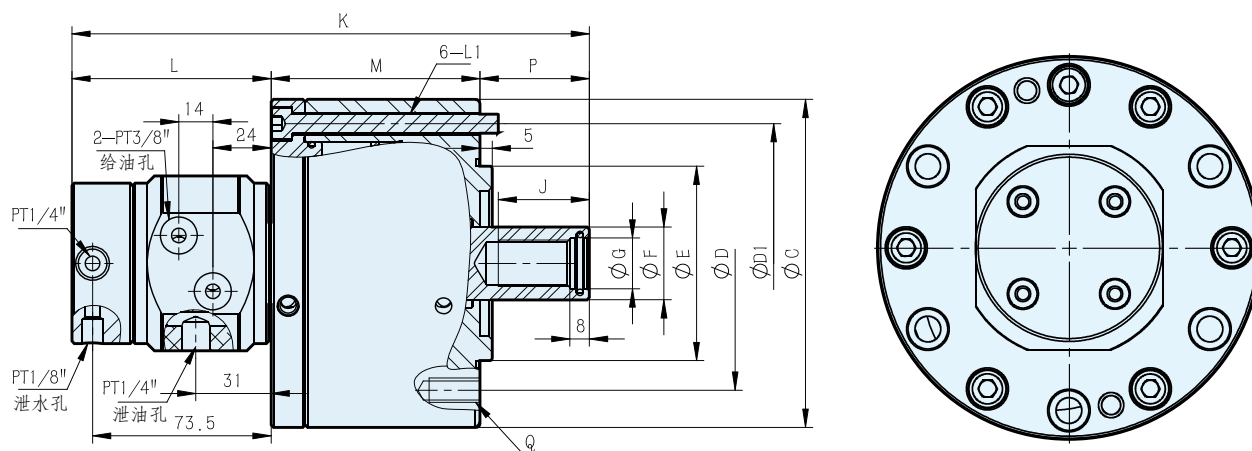
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

RK-LC 注水型回转油缸



Water injection type rotary oil cylinder

- 高速、注水型回转油压缸。可经由后端回转继手供给切削水。
- 安装时可由后端锁紧。
- 泄油孔配管务必单独接回油压槽，以避免产生背压。
注水部无流体通过时，请勿运转。
- To allow coolant to be feed from the rear end of the distributor through the rotating union.
- Can screw it from the rear end of the cylinder when mounting.
- The drain port should be independently connected to oil tank to avoid back pressure.
- The rotary cylinder should not run without liquid through coolant port.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	D1	E(h7)	F	G(H8)	H	J
RK100LC	100	20	135	100	115	80	30	21	M20	35
RK125LC	125	25	160	130	140	110	35	25	M24	45
RK150LC	150	30	190	130	170	110	45	31	M30	45

规格 Spec.	K	L	L1	M	P	Q	活塞行程 (mm) Piston Stroke	最高转速 highest speed	惯性矩 (kg·m²) Moment of inertia	流量 (l/min) Traffic
RK100LC	213	82	M8X85	86	Max45 Min25	6-M10 深 20	20	6000r.p.m	0.013	0.8
RK125LC	227	82	M8X95	94	Max51 Min26	6-M12 深 20	25	6000r.p.m	0.023	0.8
RK150LC	242	82	M10X105	105	Max56 Min26	12-M12 深 20	30	6000r.p.m	0.048	0.8

性能参数 Performance parameters

规格 Spec.	最高使用压力 Maximum working pressure		活塞面积 (推力 / 拉力) cm² Piston area cm² (Thrust/Tension)		最大推 / 拉力 (KN) Max. Thrust/Tension		净重 (Kg) Weight
RK100LC	40kg/Cm²	3.9MPa	74.7	71.5	29.9	28.6	5.7
RK125LC	40kg/Cm²	3.9MPa	118.8	113	47.5	45	8
RK150LC	40kg/Cm²	3.9MPa	172.8	160.6	69.1	64.2	12.5

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

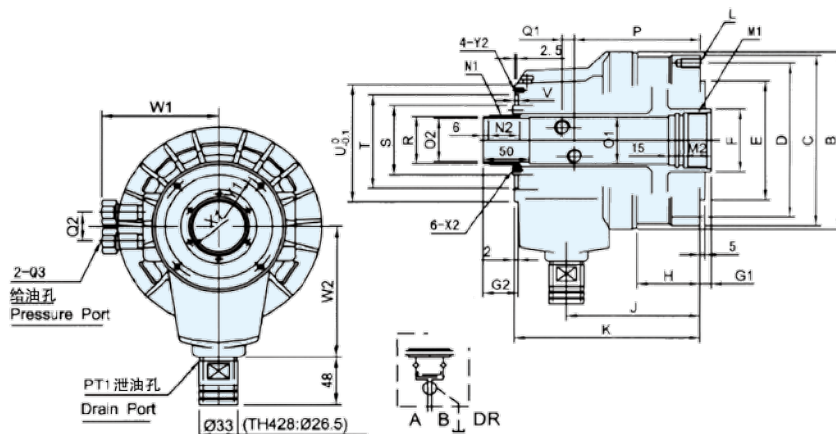
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

TH 高速中空回转油缸



High speed hollow rotary oil cylinder

- 轻量型、大通孔型回转油缸,通孔贯穿,可加工长轴类零件。
- 高转速, 高寿命, 内部零部件皆采用进口原件。
- With light weight, large-through-hole rotary oil cylinder, and open through-hole, it can be used to process long-shaft parts.
- With high speed and long service life, its interior parts and components are originally imported.



尺寸参数 Size parameter

型号 Model	缸径 I.D	B	C	D	E h7	F	G1		G2		H	J	K	L	M1	M2	N1	N2
							Max.	Min.	Max.	Min.								
TH428	90	130	120	100	80	40	10		35		45	127.5	155	6-M8×15	M33×1.5	25	M34×1.5	26
TH536	105	150	135	115	100	50	15		40		47.5	125.5	170.5	6-M10×20	M42×1.5	25	M44×1.5	28
TH646	125	169	156	130	100	65	15		40		60	135.5	193.5	12-M10×20	M55×2	30	M52×1.5	32
TH852	150	198	188	170	130	70	20	0	45	25	66	145	198	12-M10×20	M60×2	30	M58×1.5	34
TH1075	175	225	213	190	160	95	25		50		62	166.5	231	12-M10×22	M85×2	35	M84×2	40
TH1291	205	255	240	215	180	110	30		55		64.5	180.5	250	12-M12×24	M100×2	35	M99×2	46
TH1512	250	315	305	275	230	140	30		55		68	193	273	12-M16×32	M130×2	45	M134×2	46

型号 Model	01 H8	02 H8	P	Q1	Q2	Q3	R g7	S	T	U	V	W1	W2	X1	X2	Y1	Y2
TH428	30	28	101.5	11	24	PT1/4	32	45	65	88	4	72	105	-	-	76	M4×7
TH536	38	36	119	11	24	PT1/4	42	5	80	98	4	80	110	-	-	83	M5×10
TH646	50	46	127.5	12	30	PT3/8	50	70	95	116	4	98	125	62	M4×8	98	M5×10
TH852	55	52	135.5	12	32	PT3/8	56	75	100	128	4	100	130	67	M4×8	110	M6×10
TH1075	80	75	153.5	17	36	PT3/8	81	100	125	158	5	115	160	92	M4×8	145	M6×10
TH1291	95	91	165	21	34	PT1/2	96	120	142	180	5	136	185	110	M4×8	165	M6×10
TH1512	125	120	176.5	23	40	PT1/2	130	160	195	227	6	160	210	171	M6×10	215	M6×10

性能参数 Performance parameters

规格 Spec.	活塞面积 cm ² Piston area cm ²		行程 mm	最高回转数 min-1(r.p.m)	最高使用压力 MPa(kgf/cm ²)	GD2 kg.m ²	总泄油量 lit./min	重量 Kg
型号 Model	押侧 Press side	拉侧 Pull side	Stroke	Highest turnover number	Maximum working pressure	GD2 kg.m ²	Total volume of oil drainage	Weight
TH428	53.2	50.5	10	8000	4.0(40)	0.02	3.0	5.8
TH536	69.8	67.5	15	8000		0.05	3.0	8.5
TH646	97.3	87.9	15	7000		0.09	3.0	13.5
TH852	146.8	136.6	20	6200		0.20	3.9	16.4
TH1075	196.2	182.0	25	4700		0.40	4.2	25.8
TH1291	250.6	234.1	30	3800		0.61	4.5	33.0
TH1512	345.4	334.6	30	2800		1.50	7.0	50.0

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

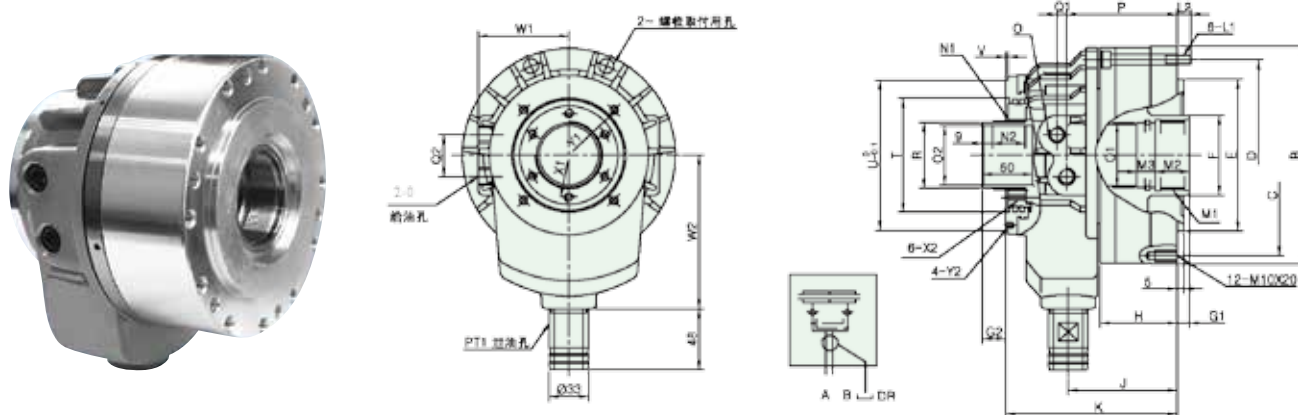
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TK 超薄型中空回转油缸



Ultra thin hollow rotary oil hydraulic cylinder

- 超薄回转油压缸，全长仅为原来型的2/3。
- 安装时可由后端锁紧。
- Ultra-thin, large hole rotary oil hydraulic cylinder with total length of only two-thirds of the original type.
- When installing, fix it though rear locking.



尺寸参数 Size parameter

型号 Model	A 缸径 I.D	B	C	D	E h7	F	G1		G2		H	J	K	L1	L2	M1	M2	M3
							Max.	Min.	Max.	Min.								
TK428	90	126	100	112	80	40	10		23	13	53	88	135	M6×60	14	M33×1.5	25	15
TK536	105	142	115	124	100	48	15		27	12	65	94	150	M8×70	14	M42×1.5	25	
TK646	125	165	140	140	120	65	15		28	13	58	96	141	M8×65	15	M55×2	25	
TK646(S)	125	165	130	147	100	65	15		28	13	68	86	153	M8×75	15	M55×2	30	
TK852	150	185	170	165	130	70	20		30	10	73	102	164	M8×75	15	M60×2	30	
TK1075(S)	175	215	190	195	160	95	25		39	14	84	131	181	M10×90	20	M85×2	35	

型号 Model	N1	N2	O	O1 H8	O2 H8	P	Q1	Q2	R g7	T	U	V	W1	W2	X1	X2	Y1	Y2
TK428	M34×1.5	25	PT1/4	30	28	89	7	28	32	65	86	2	63	80	43	M4×8	76	M4×7
TK536	M44×1.5	28	PT1/4	38	36	104	7	34	42	73	98	2	66	106	54	M5×8	83	M5×6
TK646	M52×1.5	24	PT3/8	50	46	96	7	36	50	90	116	2	79	119	63	M6×8	98	M5×6
TK646(S)	M52×1.5	24	PT3/8	50	46	108	7	36	50	90	116	2	79	119	63	M6×8	98	M5×6
TK852	M58×1.5	25	PT1/2	55	52	113	8	40	56	97	128	2	82	133	72	M6×8	110	M5×6
TK1075(S)	M84×2	30	PT1/2	80	75	126	10	46	81	125	163	2	98	160	98	M6×8	155	M6×8

性能参数 Performance parameters

规格 Spec.	活塞面积 cm ² Piston area cm ²		最高回转数 min(r.p.m)	最高使用压力 MPa (kgf/cm ²)	GD ² kg.m ²	总泄油量 lit./min.	重量 Kg
型号 Model	压侧 Press side	拉侧 Pull side	Highest turnover number	Maximum working pressure	GD ² kg.m ²	Total volume of oil drainage	Weight
TK428	53.2	50.5	8000	3.5(35)	0.03	2.0	5
TK536	70.7	62.8	8000	4.0(40)	0.05	2.5	7.4
TK646	99.1	88.0	7000		0.06	3.0	9.7
TK646(S)	99.1	88.0	7000		0.06	3.0	9.7
TK852	135.3	125.0	6500		0.11	3.9	11.8
TK1075(S)	179.5	163.5	5000		0.24	4.2	21.5

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

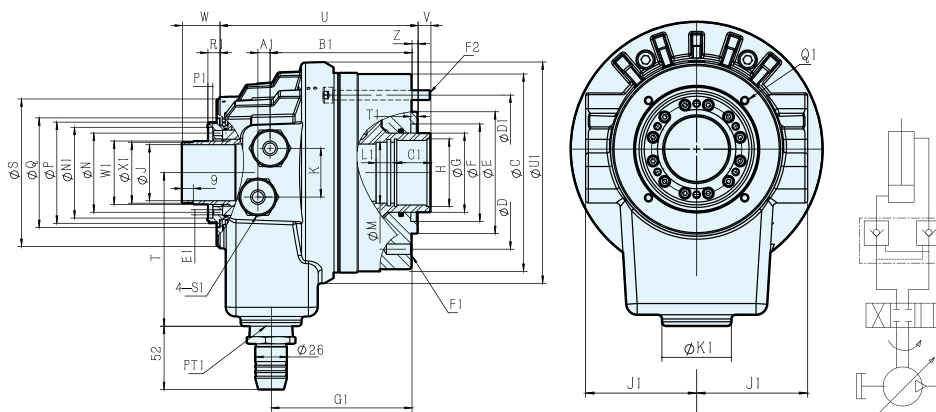
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TK-N 超薄型中空回转油缸



Ultra thin hollow rotary oil hydraulic cylinder

- 超薄型回转油缸，全长仅为原型号的2/3。
- 内建逆止阀自锁机构。
- 安装时可由后端锁紧。
- Ultra-thin, large hole rotary oil hydraulic cylinder with total length of only two-thirds of the original type.
- Built-in non-return valve self-locking mechanism.
- When installing, fix it through rear locking.



尺寸参数 Size parameter

规格 Spec.	A1	B1	C	C1	D	D1	E(h7)	E1	F	F1	F2	G	G1
TK536N	9	108.5	140	25	115	125	100	6-M5X0.8P	65	6-M10X1.5P	6-M8X1.25P	48	106.5
TK646N	10	116.5	162	30	130	147	100	6-M6X1P	80	6-M10X1.5P	6-M8X1.25P	65	115.25
TK852N	10	126.5	188	30	170	170	130	6-M6X1P	85	12-M10X1.5P	6-M8X1.25P	70	123.5

规格 Spec.	H	J	J1	K	K1	L1	M	N	N1	P	P1	Q	Q1	R1
TK536N	M42X1.5P	36	68	38	50	15	38	55	64	73	4	80	4-M5X0.8P(PCDφ88)	10.5
TK646N	M55X2P	46	80	40	50	15	50	65	74.5	89	4	90	4-M5X0.8P(PCDφ98)	10.5
TK852N	M60X2P	52	90	38	50	15	55	73	85	99	4	100	4-M6X1P(PCDφ110)	11.5

规格 Spec.	S	S1	T	T1	U	U1	Vmax	Vmin	W1	Wmin	Wmax	X1	Z
TK536N	103	PT3/8	108	6	151.5	160	10	-5	M44X1.5P	30.5	45.5	41.8	5
TK646N	121	PT1/2	126	6	162.5	182	10.5	-4.5	M52X1.5P	31	46	50	5
TK852N	137	PT1/2	134	6	168.5	207.5	17	-5	M58X1.5P	32.5	52.5	56	5

性能参数 Performance parameters

规格 Spec.	活塞面积 cm ² Piston area cm ²		最高回转数 min(r.p.m)	最高使用压力 MPa (kgf/cm ²)	GD ² kg.m ²	总泄油量 lit./min.	重量 Kg
型号 Model	压侧 Press side	拉侧 Pull side	Highest turnover number	Maximum working pressure	GD ² kg.m ²	Total volume of oil drainage	Weight
TK536N	70	68	8000	4.0(40)	0.05	2.5	7.4
TK646N	100	88.0	7000		0.06	3.0	9.7
TK852N	135.3	125.0	6500		0.11	3.9	11.8

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

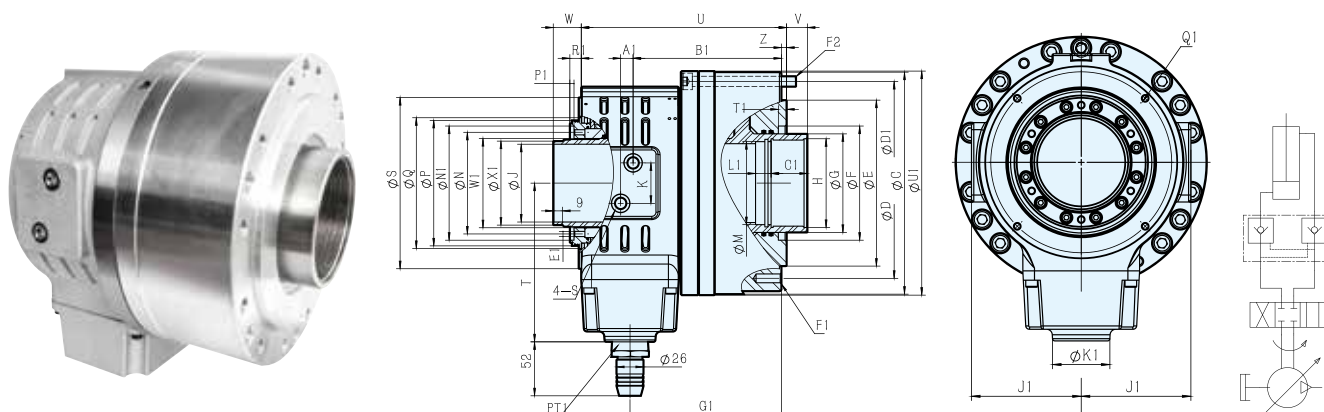
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TK-N 超薄型中空回转油缸



High speed hollow rotary oil cylinder

- 超薄型回转油缸，全长仅为原型号的2/3。
- 内建逆止阀自锁机构。
- 安装时可由后端锁紧。
- Ultra-thin, large hole rotary oil hydraulic cylinder with total length of only two-thirds of the original type.
- Built-in non-return valve self-locking mechanism.
- When installing, fix it though rear locking.



尺寸参数 Size parameter

规格 Spec.	A1	B1	C	C1	D	D1	E(h7)	E1	F	F1	F2	G	G1
TK1075N	12	143	214	35	190	196	160	6-M6X1P	110	12-M10X1.5P	6-M10X1.5P	95	146
TK1291N	12	161.5	245	35	215	225	180	6-M6X1P	130	12-M12X1.75P	6-M12X1.75P	115	163.5
TK1512N	12	173	305	35	275	275	230	6-M6X1P	165	12-M12X1.75P	6-M12X1.75P	145	187

规格 Spec.	H	J	J1	K	K1	L1	M	N	N1	P	P1	Q	Q1	R1
TK1075N	M85X2P	75	94	39	50	17	80	98	110	121	4	128	4-M6X1P(PCDφ155)	11
TK1291N	M100X2P	91	113	39	52	15	96	121	134	151	4	154	4-M6X1P(PCDφ185)	11
TK1512N	M130X2P	127.5	133	39	52	15	130	160	164	181	4	186	4-M6X1P(PCDφ225)	13

规格 Spec.	S	S1	T	T1	U	U1	Vmax	Vmin	W1	Wmin	Wmax	X1	Z
TK1075N	165	PT1/2	153	8	198	216	20	-5	M84X1.5P	27	52	81	5
TK1291N	200	PT1/2	170	8	219.5	251	25	-5	M104X2P	25	55	100	5
TK1512N	230	PT1/2	190	8	243	295	25	-5	M138X2P	36.5	66.5	134	5

性能参数 Performance parameters

规格 Spec.	活塞面积 cm ² Piston area cm ²		行程 mm	最高回转数 min-1(r.p.m)	最高使用压力 MPa(kgf/cm ²)	GD2 kg.m ²	总泄油量 lit./min	重量 Kg
型号 Model	押侧 Press side	拉侧 Pull side	Stroke	Highest turnover number	Maximum working pressure	GD2 kg.m ²	Total volume of oil drainage	Weight
TH1075N	196	183	25	4700	4.0(40)	0.40	4.2	25.8
TH1291N	227	219	30	3800		0.61	4.5	33.0
TH1512N	304	302	30	2800		1.50	7.0	50.0

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

Double piston rotary cylinder

- 最大压力40bar
- 模块化设计-为了获得不同的活塞行程
- 中心通孔-用于输送空气、冷却液或油
- 通过接近开关或LPS进行行程控制

- Maximum pressure: 70 bar
- Modular design - in order to obtain different piston strokes
- The central hole - used for conveying air, cooling fluid or oil
- The stroke can be controlled through proximity switch or LPS



用途 Applications

- 驱动带动力驱动端面驱动的伸缩爪卡盘
- 带零件弹出装置的动力卡盘
- 带轴向伸缩定位的动力卡盘/带动力驱动定心装置的指型卡盘
- TPT-C系列双滑套动作的卡盘

- Drive the adjustable claw chuck driven by power drive end face
- Power chuck with part pop-up device
- Power chuck with axial telescopic positioning/finger type chuck with power driven centering device
- TPT-C series chuck with double sliding sleeve action

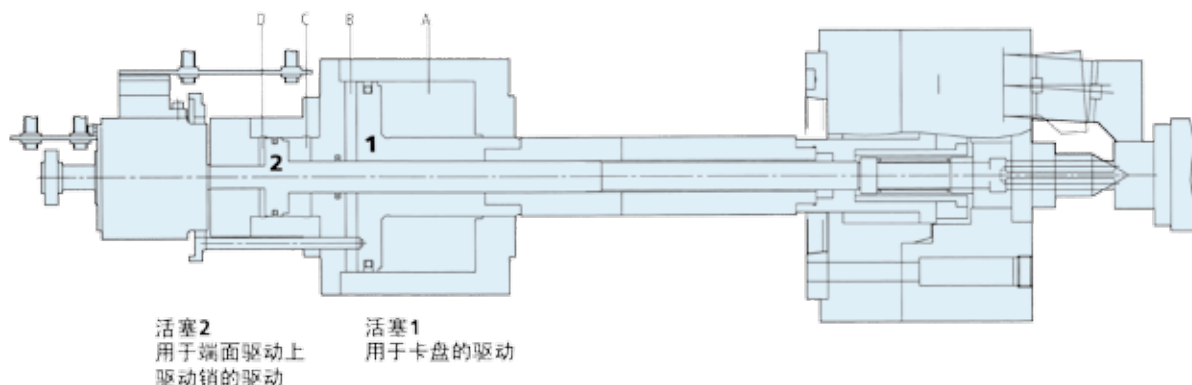
技术特点 Technical features

- 双活塞油缸带有4路配油环，用于单独的驱动每一个油缸
- 压力范围：8-40bar
- 不同活塞行程的模块系统：DCN、DCU及DCR
- 每个油缸都带有行程控制；大油缸带有安全阀
- 中心通孔用于冷却液、油或空气的输送，并且带有用来安装旋转接头的螺纹
- 水平或垂直安装，安装方式：螺钉从后面固定
- 液压系统过渡精度要求：10 μm
- 液压油：HM322 ISO 3448

- Double piston oil cylinder has oil distribution ring with 4 lines, and is used for separate drive of each cylinder
- Pressure range: 8-70bar
- Module system with different piston strokes: DCN, DCU and DCR
- Each oil cylinder has stroke control; large oil cylinder has a safety valve
- Center hole is used for transportation of cooling liquid, oil or air, and with the thread used to install rotary joint
- Horizontal or vertical installation, installation method: fixed from behind by screw
- Transition accuracy requirement OF hydraulic system: 10 μm
- Hydraulic oil: HM322 ISO 3448

油缸 BDF- 用于 SG 或 SF 系列 Oil cylinder BDF – used for W or GSA series

带固定顶尖端面驱动的伸缩爪卡盘 Adjustable Claw Chuck With Fixed End Face Tip Drive



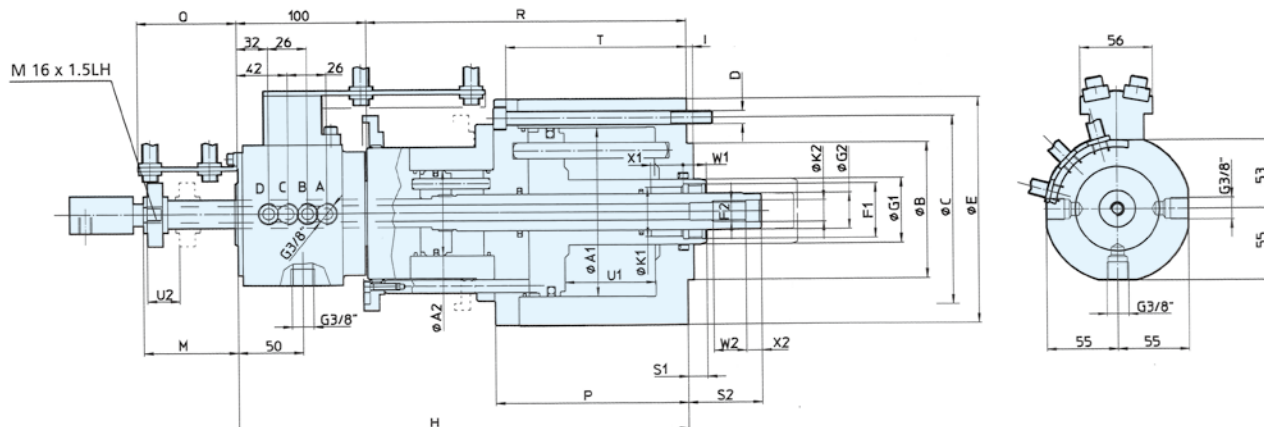
尺寸参数 Size parameter

BDF-AUTOCHACK 型号		125/30				170/40	170/60	170/40
		RDN 80-25	RDN 87-40	RDN 40-40	RDN 40-80	RDN 95-25	RDN 50-48	RDN 50-95
Id.NO.		33705213	33705214	33705313	33705413	33705215	33705315	33705415
活塞行程 Piston stroke		80-25	87-40	40-40	40-80	95-25	50-48	50-95
活塞面积 A/ 活塞作用力 Piston area A/piston force	最大 Max.	cm ² /KN	111/77	111/77	111/77	146/102	146/02	146/02
活塞面积 B/ 活塞作用力 Piston area B/piston force	最大 Max.	cm ² /KN	125/87	125/87	125/87	168/118	168/118	168/118
活塞面积 C/ 活塞作用力 Piston area C/piston force	最大 Max.	cm ² /KN	27/19	27/19	27/19	36/25	56/39	36/25
活塞面积 D/ 活塞作用力 Piston area D/piston force	最大 Max.	cm ² /KN	30/21	30/21	30/21	40/28	60/42	40/28
最高转速 Highest rotating speed	r.p.m.	5000	5000	5000	5000	4000	4000	4000
重量 Weight	kg	23.2	24	22.5	23	32	30	31
转动惯量 J Rotary inertia J	kgm ²	0.088	0.091	0.085	0.087	0.15	0.14	0.14
工作压力 Working pressure	最大 Max.	bar	70	70	70	70	70	70
工作压力 Working pressure	最小 Min.	bar	8	8	8	8	8	8

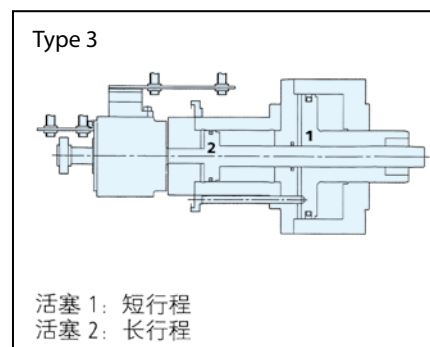
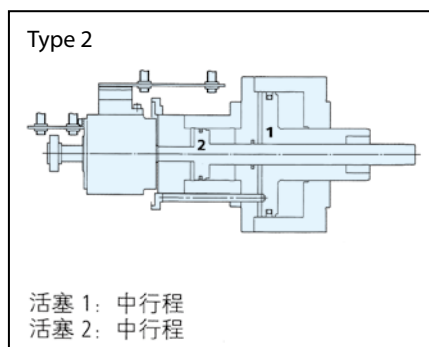
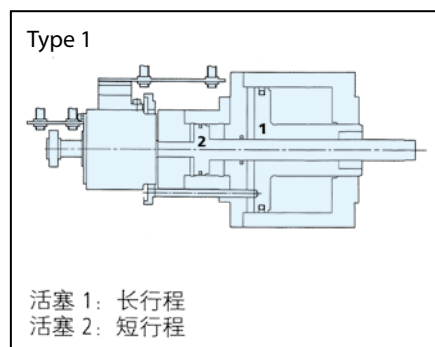
RDN 双活塞测出型回转油缸



Double piston rotary cylinder



BDF-AUTOCHACK 型号			125/30				170/40	170/60	170/40
			RDN 80-25	RDN 87-40	RDN 40-40	RDN 40-80	RDN 95-25	RDN 50-48	RDN 50-95
活塞直径 1	Piston diameter 1	A1	mm	130	130	130	130	150	150
活塞直径 2	Piston diameter 2	A2	mm	66	66	66	66	75	90
定位止口	Positioning seam allowance	h6	B	mm	105	105	105	120	120
安装螺钉位置	Position of mounting screw	C	mm	145	145	145	145	175	175
安装螺钉	Mounting screw	D	mm	6×M10	6×M10	6×M10	6×M10	6×M12	6×M12
		E	mm	174	174	174	174	204	204
活塞杆螺纹 1	Piston rod screw thread 1	F1	mm	M42×1.5	M42×1.5	M42×1.5	M42×1.5	M45×1.5	M45×1.5
活塞杆螺纹 2	Piston rod screw thread 2	F2	mm	M16	M16	M16	M16	M20	M20
		G1	mm	50	50	50	50	60	60
		G2	mm	28	28	28	28	30	30
		H	mm	38	380	333	373	411	366
		I	mm	5	5	5	5	5	5
		K1	mm	38	38	38	38	42	42
		K2	mm	16.5	16.5	16.5	16.5	22	22
最大 Max.		M	mm	73	73	73	103	73	73
		P	mm	150	167	120	120	184	139
		Q	mm	77	77	77	107	77	77
		R	mm	248	280	233	273	306	266
最小 Min.		S1	mm	15	15	45	45	15	60
最小 Min.		S2	mm	57	75	72	82	73	118
		T	mm	140	157	110	110	172	127
		U1	mm	70	87	40	40	95	50
		U2	mm	25	40	40	80	50	48
		W1	mm	18	18	18	18	42	42
		W2	mm	25	25	25	25	25	25
		X1	mm	25	25	25	25	10	10
		X2	mm	12	12	12	12	12	12



注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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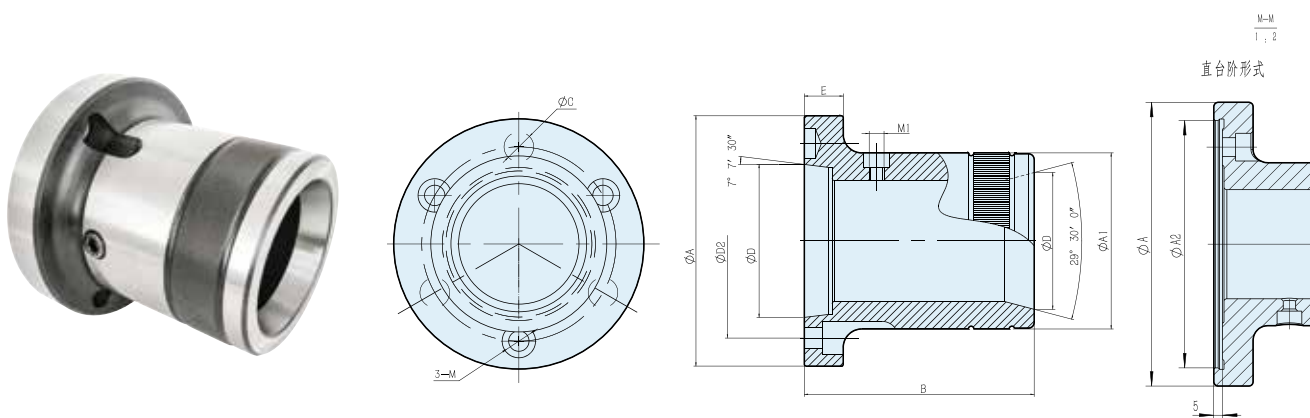
Cylinder piston

- 后拉式弹性筒夹套。
- 适用于CNC数控车床，专用机或其它旋转切削机械。
- 高精度、高转速及高刚性筒捷型结构。
- 安装方便，连接型式分短锥和直台阶两种形式。

注：如果选择台阶形式时，其A尺寸在原基础上直径加大30mm

- Ultra-thin rear pull type elastic collet cover.
- It is suitable for CNC lathe, special machine or other rotary cutting machine.
- Simple and direct structure with high accuracy, high speed and high rigidity.
- Convenient for installation, and the connection types are divided into two forms: short cone and straight step.

Note: if the step type is selected, the diameter of A size will be increased by 30mm on the original basis.



尺寸参数 Size parameter

规格 Spec.	A	A1	A2	D	D1	D2	B	E	M1	C	3-M (安装孔)
CX36A4	110	80	110	63.513	58.5	82.6	115	20	M6	15	3-M10
CX46A5	132	95	140	82.563	73.5	104.8	120	22	M8	16	3-M10

性能参数 Performance parameters

规格 Spec.	套筒行程	最大圆通孔	最大方料	最大六角料	适用油压缸	最高转速	最大使用压力 Mpa (kgf/cm ²)
型号 Model	Sleeve trip	Full bore	Most Generous Material	Maximum Hexagon	Applicable Hydraulic Cylinder	Max.Speed(r.p.m)	Max. Service Pressure
CX36A4	6	36	25	30	TK536	5000	2.5(25)
CX46A5		46	32	36	TK646	4000	2.8(28)

注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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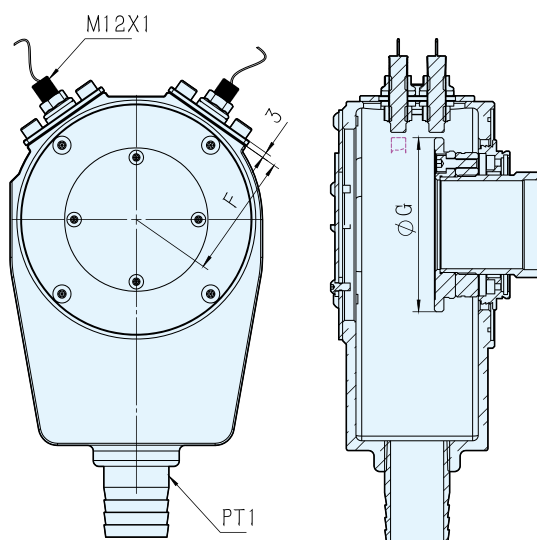
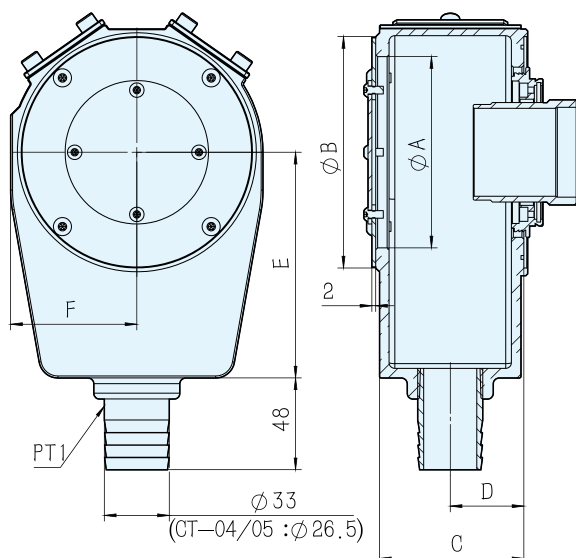


- 近接开关是选购品。
- The proximity Switch is optional.

端子连接 Terminal connections

规格	尺寸	IA12DLF02NO3219 (CARLO)
电压 Power supply		DC 10/30V
负荷容量 Switching Cap.		200ma
输出规格 Output type		NPN

规格	尺寸	IA12DLF02NO3219 (CARLO)
OP2		黑 BLACK
+V		棕 BROWN
OV		蓝 BLUE
OP1		黑 BLACK



规格	尺寸	A	B	C	D	E	F	G	重量 Weight(kg)		适用油压缸 Matching cyl.
									CT	CT-S	
CT-04/CT-04S		87	110	60	29	110	57	79	0.9	1.1	TH-428
CT-05/CT-05S								84			TH-536, TK-528, TK-533
CT-06/CT-06S		100	125	74	36	120	64.5	94	1.2	1.6	TH-536, TK-528, TK-533
CT-08/CT-08S		110	138	80	39	130	71	105	1.3	1.8	TH-646, TK-643, TK-646
CT-H10/CT-H10S		158	185	88	43	160	94.5	145	1.9	2.6	TH-846, TH-852, TK-846, TK-852
CT-K10/CT-K10S											TH-1068, TH-1075
CT-12/CT-12S											TK-1068, TK-1075, TK-1078
CT-15/CT-15S		206	235	100	50	210	121	210	3.1	4.3	TH-1291, TK-1287, TK-1291
CT-21/CT-21S		226	255				131	248	3.3	4.6	TH-1512, TK-1511, TK-1512
CT-24/CT-24S		250	270			230	154	305	3.5	5.5	TK-2416, TK-2416L
CT-28/CT-28S		310	330			230	181		4.3	7.2	TK-2820

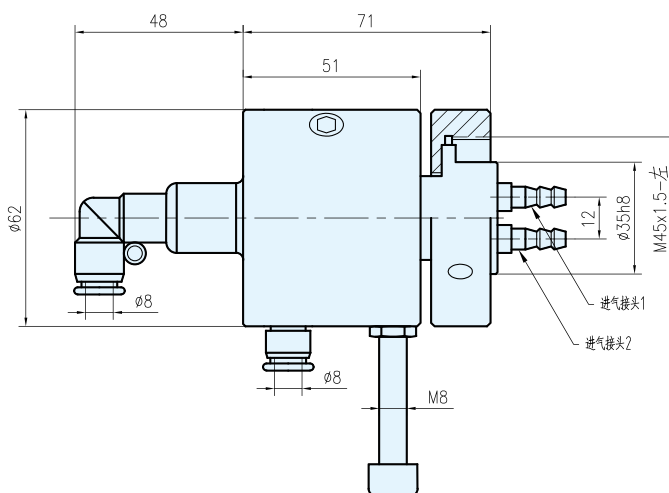
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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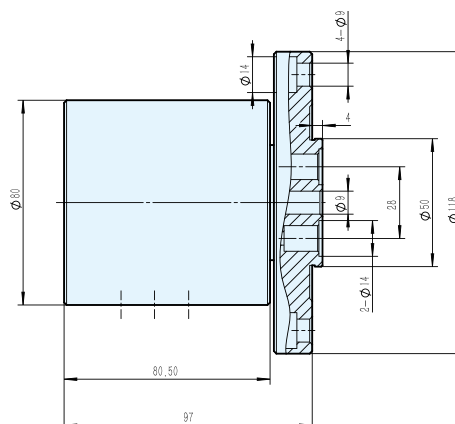
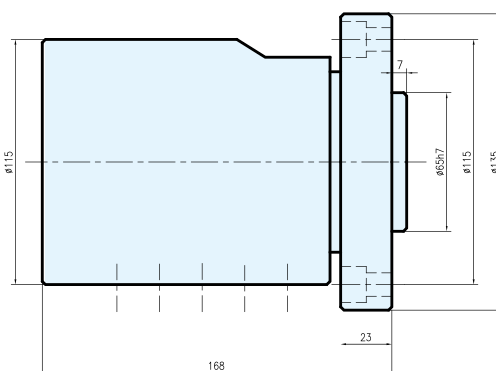
气压控制器示意图 Schematic diagram of air pressure controller



实用新型专利号: ZL 2011 2 0346071.9



Technical drawing of a circular part. The drawing shows a large outer circle with a dashed center line. Inside this is a smaller solid circle. Within the smaller circle are five small circles, each with a center mark. Dimensions are indicated: $\phi 22$ for the outer circle, $\phi 10$ for the inner circle, and $\phi 5$ for the small circles. There are also four small circles outside the main part, each with a center mark.

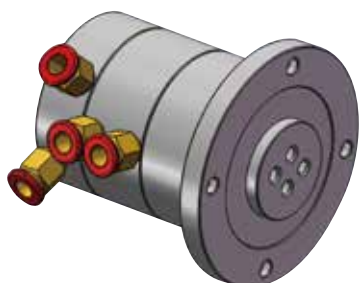


K-36 主轴箱

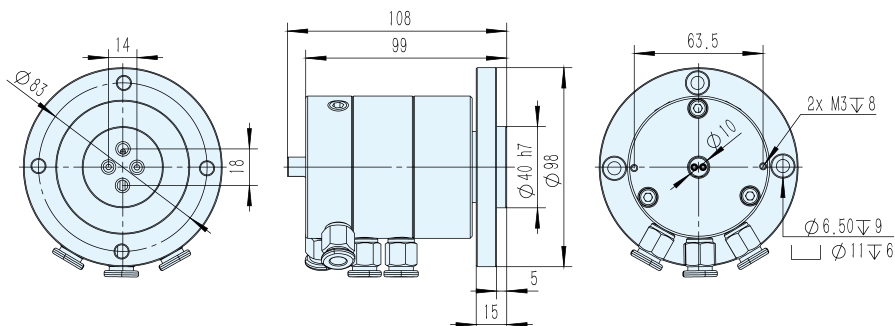


Headstock

四路控气阀 Four-way air control valve



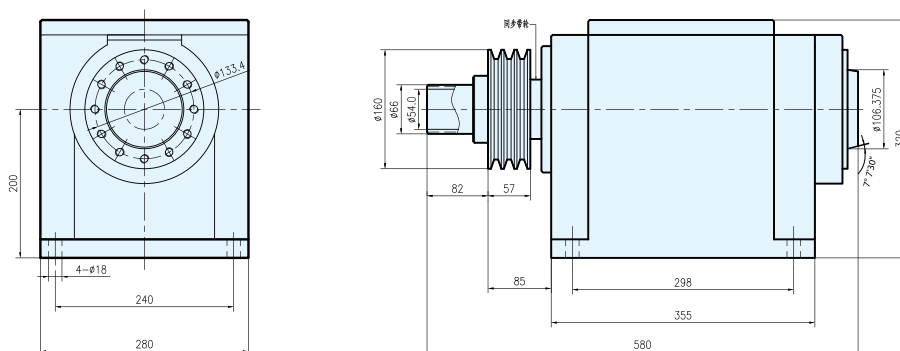
KQ70-4



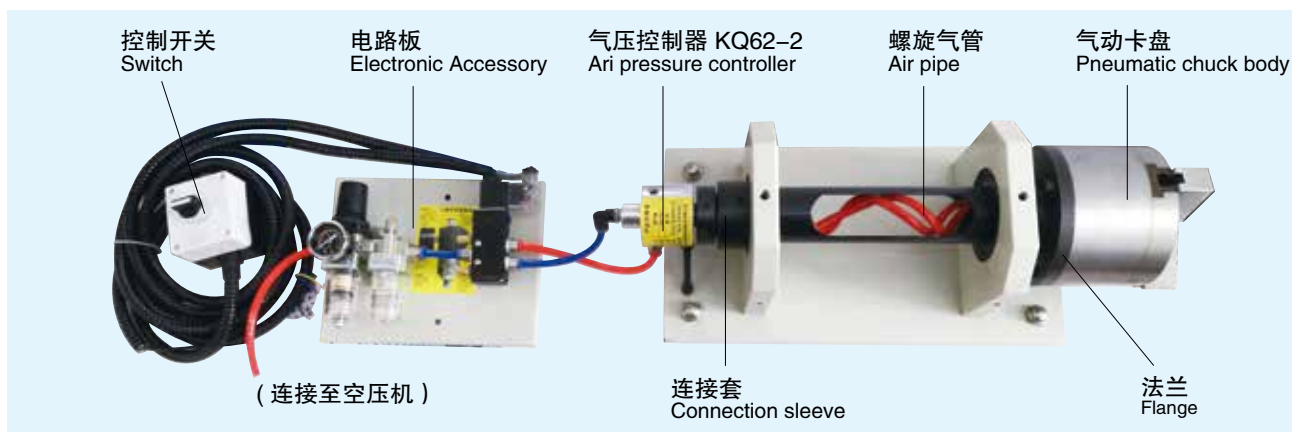
实用新型专利号: ZL 2016 21029754.0

K - 36 主轴箱 Headstock

- 标准36数控车床主轴箱。
- 轴承结构采用前3后2形式。
- 最高使用转速3000r/min。
- 超密封型防水设计。
- Standard 36 CNC lathe headstock.
- Bearing structure adopts the form of 3 in the front and 2 in the back.
- The highest speed is 3000 r/min.
- Super seal waterproof design.

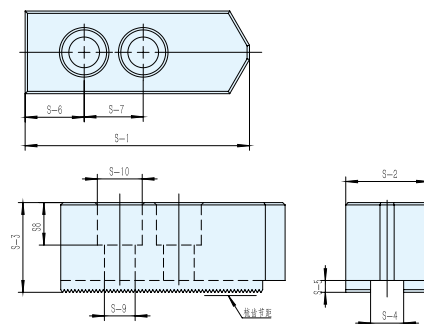


气动卡盘安装示意 Installation model of pneumatic chuck



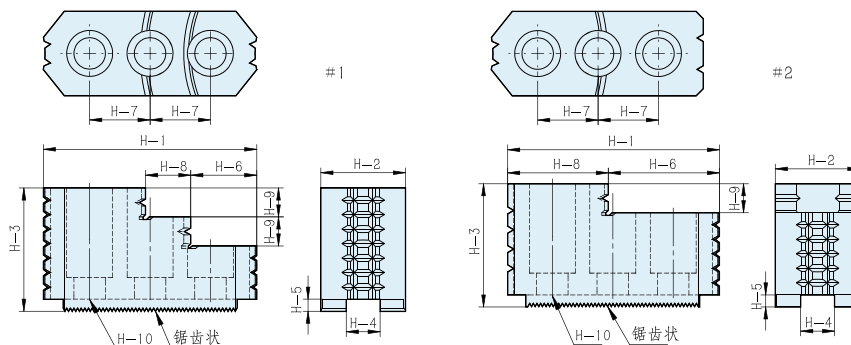
软爪、硬爪

Soft jaw, hard jaw



尺寸参数 Size parameter

规格 Spec.	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	梳齿节距	重 Kg
110	52	22	22	8	4	16	14	15	6.5	11	1.0×60°	0.4
4'	52	23	23	10	5	10	14	13	9	13.5	1.5×60°	0.5
5'	62	25	30	10	5	10	14	18	9	13.5	1.5×60°	0.8
6'	73	31	36	12	5	15	20	24	11	17	1.5×60°	1.5
8'	95	35	37	14	5	24	25	22	13	19	1.5×60°	2.4
10'	110	40	42	16	5	30	30	27	13	19	1.5×60°	3.8
12P'	130	50	50	18	5	40	30	33	15	23	1.5×60°	6.3
12H'	130	50	50	21	5	40	30	33	17	26	1.5×60°	6.6
15P'	165	62	62	25.5	8	37	43	38	21	32	1.5×60°	12.6
15H'	165	62	62	22	8	37	43	38	21	32	1.5×60°	12.5
21'	180	65	70	25	9	40	60	45	21	32	3.0×60°	15.8



尺寸参数 Size parameter

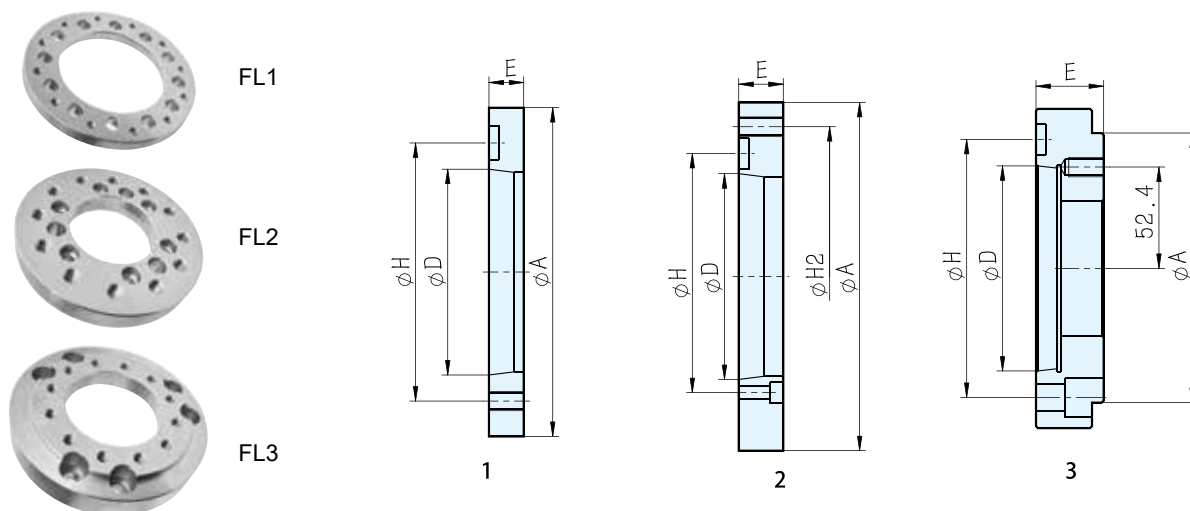
规格 Spec.	H-1	H-2	H-3	H-4	H-5	H-6	H-7	H-8	H-9	H-10	锯齿状节距 Serration Pitch	净重 Wdyght(Kg)	参考值 Reference Drawing
HJ-04	53	23	28	10	4	29	14	24	10	M8×1.25P	1.5×60°	0.4	图-2 Fig.2
HJ-05	53	23	28	10	4	29	14	24	10	M8×1.25P	1.5×60°	0.4	图-2 Fig.2
HJ-06	67	31	36	12	5	39	20	28	12	M10×1.5P	1.5×60°	0.95	图-2 Fig.2
HJ-08	87	35	51	14	5	29.5	25	18	12	M12×1.75P	1.5×60°	1.9	图-1 Fig.1
HJ-10	101	40	54	16	5	45.5	30	18	13	M12×1.75P	1.5×60°	2.8	图-1 Fig.1
HJ-12	108	50	67	21(18)	4(5)	49	30	20	16	M16×2P(M14×2P)	1.5×60°	3.5	图-1 Fig.1
HJ-15	143	62	86	22(25.5)	8(5)	55	43	38	20	M20×2.5P	1.5×60°	9.5	图-1 Fig.1
HJ-18	143	62	86	22(25.5)	8(5)	55	43	38	20	M20×2.5P	1.5×60°	9.5	图-1 Fig.1
HJ-21	159.5	80	90	25	9	97.5	50	62	40	M20×2.5P	3×60°	15.3	图-2 Fig.2
HJ-24	159.5	80	90	25	9	97.5	50	62	40	M20×2.5P	3×60°	15.3	图-2 Fig.2
HJ-32	159.5	80	90	25	9	97.5	50	62	40	M20×2.5P	3×60°	15.3	图-2 Fig.2
HJ-40	159.5	80	90	25	9	97.5	50	62	40	M20×2.5P	3×60°	15.3	图-2 Fig.2

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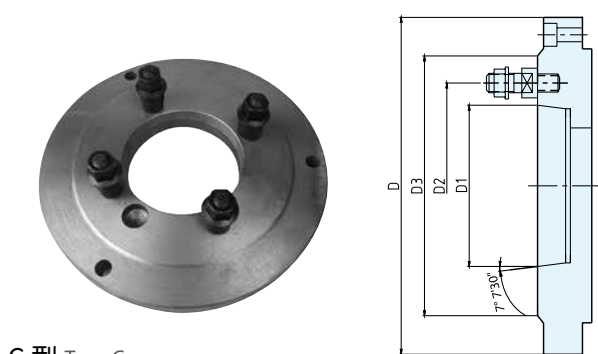
连接法兰示意图

Flange connecting diagram



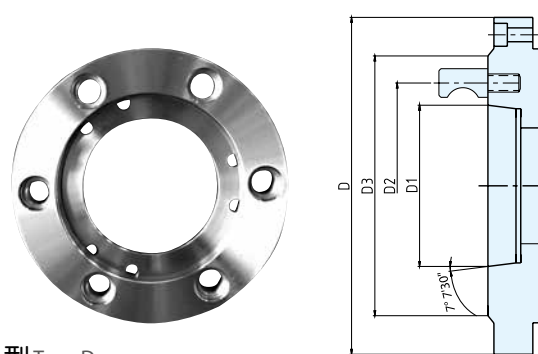
尺寸 规格	鼻端番号 Nose of Spindle D	A	H	H2	E	参考图 Reference Drawing
05A ₂ 4	A ₂ 4	110	82.6	—	20	图 -1 Fig.1
06A ₂ 5	A ₂ 5	140	104.8	—	15	图 -1 Fig.1
08A ₂ 6	A ₂ 6	170	133.4	—	17	图 -1 Fig.1
10A ₂ 8	A ₂ 8	220	171.4	—	18	图 -1 Fig.1
12A ₂ 8	A ₂ 8	220	171.4	—	18	图 -1 Fig.1
15A ₂ 11	A ₂ 11	300	235	—	22	图 -1 Fig.1
18A ₂ 11	A ₂ 11	300	235	—	22	图 -1 Fig.1
21A ₂ 15	A ₂ 15	380	330.2	—	27	图 -1 Fig.1
24A ₂ 20	A ₂ 20	520	463.6	—	27	图 -1 Fig.1
32A ₂ 15	A ₂ 15	380	330.2	—	27	图 -1 Fig.1
40A ₂ 15	A ₂ 15	380	330.2	—	27	图 -1 Fig.1

尺寸 规格	鼻端番号 Nose of Spindle D	A	H	H2	E	参考图 Reference Drawing
04A ₂ 4	A ₂ 4	85	82.6	70.6	40	图 -3 Fig.3
05A ₂ 5	A ₂ 5	110	104.8	82.6	45	图 -3 Fig.3
06A ₂ 4	A ₂ 4	140	82.6	104.8	20	图 -2 Fig.2
06A ₂ 6	A ₂ 6	140	133.4	104.8	40	图 -2 Fig.3
08A ₂ 5	A ₂ 5	170	104.8	133.4	23	图 -2 Fig.2
08A ₂ 8	A ₂ 8	170	171.4	133.4	45	图 -3 Fig.3
10A ₂ 6	A ₂ 6	220	133.4	171.4	28	图 -2 Fig.2
12A ₂ 6	A ₂ 6	220	133.4	171.4	28	图 -2 Fig.2
12A ₂ 11	A ₂ 11	220	235	171.4	54	图 -3 Fig.3
15A ₂ 8	A ₂ 8	300	171.4	235	33	图 -2 Fig.2
18A ₂ 8	A ₂ 8	300	171.4	235	33	图 -2 Fig.2
21A ₂ 8	A ₂ 8	380	171.4	330.2	41	图 -2 Fig.2
21A ₂ 11	A ₂ 11	380	235	330.2	41	图 -2 Fig.2
24A ₂ 11	A ₂ 11	520	235	463.6	42	图 -2 Fig.2
24A ₂ 15	A ₂ 15	520	330.2	463.6	42	图 -2 Fig.2
32A ₂ 11	A ₂ 11	380	235	330.2	41	图 -2 Fig.2
40A ₂ 11	A ₂ 11	380	235	330.2	41	图 -2 Fig.2



C 型 Type C

主轴头号 No.	3	4	5	6	8	11	15
D1	53.975	63.513	82.563	106.375	139.719	196.869	285.775
D2	75	85	104.78	133.35	171.45	235	330.2
D3	102	112	135	170	220	290	400

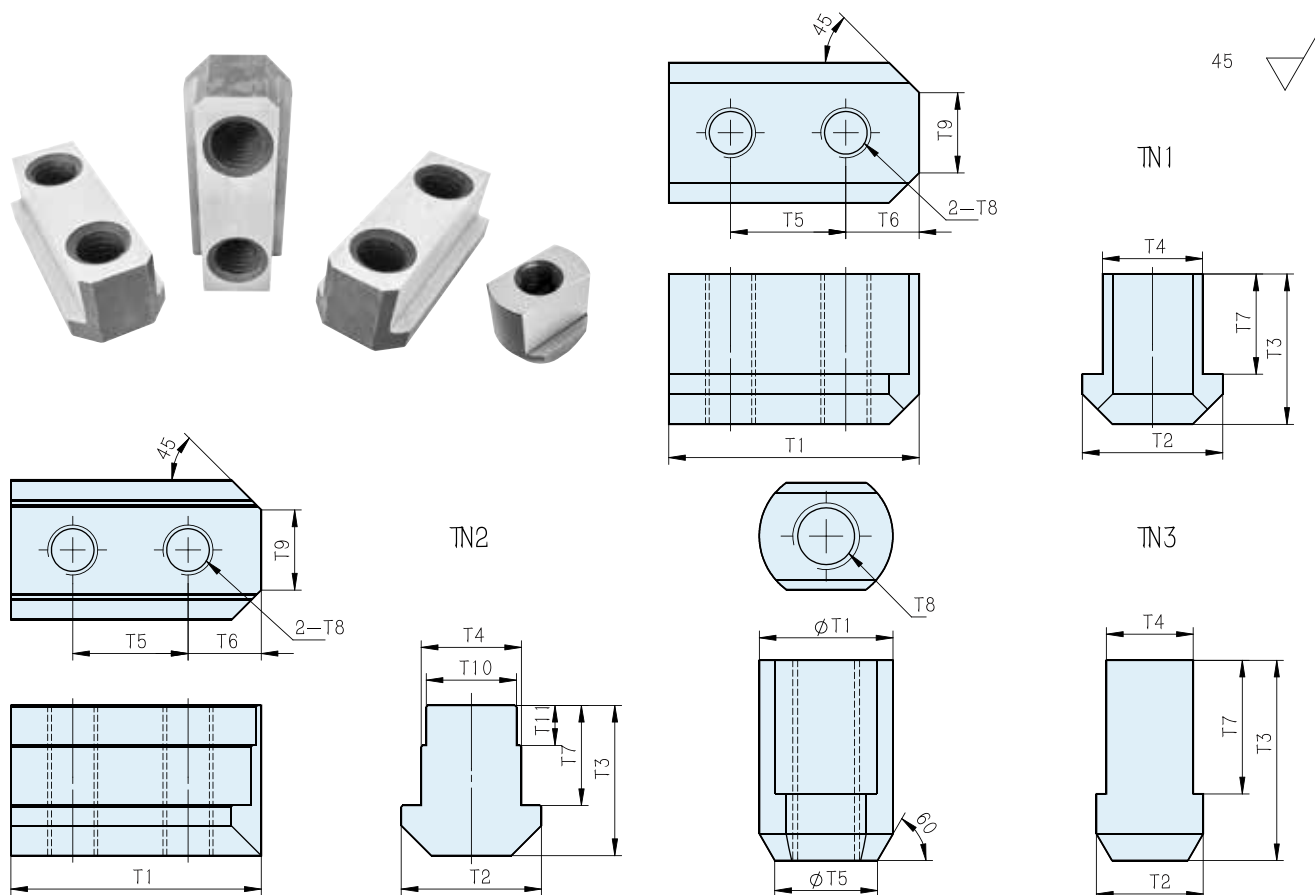


D 型 Type D

主轴头号 No.	3	4	5	6	8	11	15
D1	53.975	63.513	82.563	106.375	139.719	196.869	285.775
D2	70.6	82.563	104.78	133.35	171.45	235	330.2
D3	92	117	146	181	225	298	403

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尺寸参数 Size parameter

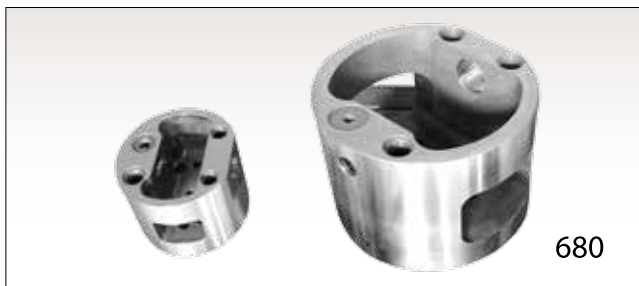
规格 Spec.	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	三爪重量 Wdyght(Kg)
TN1-04	26	14	15	10	14	6	9.5	M8	5	-	-	0.06
TN1-06	36	17	18.5	12	20	8	11	M10	6	-	-	0.15
TN1-08	46.5	20	20.5	14	25	10.5	12	M12	10	-	-	0.27
TN1-10	51	22	21.5	16	30	11	13	M12	11	-	-	0.36
TN1-12	56	29.5	23.5	21	30	12	12	M16	10	-	-	0.63
TN2-12	56	29.5	23.5	21	30	12	12	M14	10	18	4	0.63
TN1-15	80	35	39	25.5	43	17	20	M20	14	-	-	1.53
TN2-15	80	35	39	25.5	43	17	20	M20	14	22	6	1.5
TN3-21	46	37.5	45	25	26	-	26	M20	-	-	-	1.84
TN4-185	32	35	30	25.5	-	-	19	M20	-	-	-	0.15
TN4-320	36	42	39	30	-	-	24	M24	-	-	-	0.24

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六爪卡盘
Six-jaw chuck



超大型分度卡盘
Super large indexing chuck



单爪卡盘
Single-jaw chuck



轮毂卡盘
Wheel hub chuck



超大行程气动卡盘
Super stroke pneumatic chuck



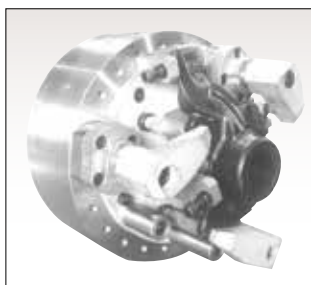
自动压板式夹具
Automatic clamp fixture



自定分度卡盘
Since the indexing chuck



台标立式卡盘
Pneumatic pressure machine



专用卡盘
Dedicated chuck



转角油缸
Corner cylinder



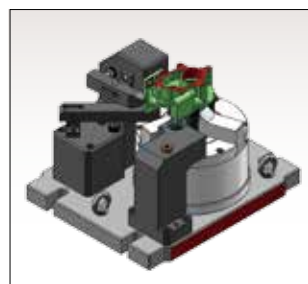
超大撑紧式筒夹
Super clamping chuck



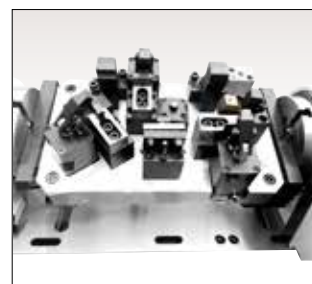
多排组合式筒夹
Multiple row type combined collet



复合卡盘（多排式）
Combined chuck (multi-row type)



加工中心用工装
Processing center



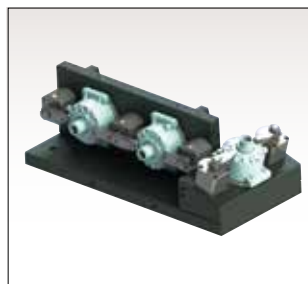
四轴夹具
Four-axis clamp



加工中心夹具
Fixture for machining center



加工中心夹具
Fixture for machining center



加工中心夹具
Fixture for machining center



液压站
Hydraulic station