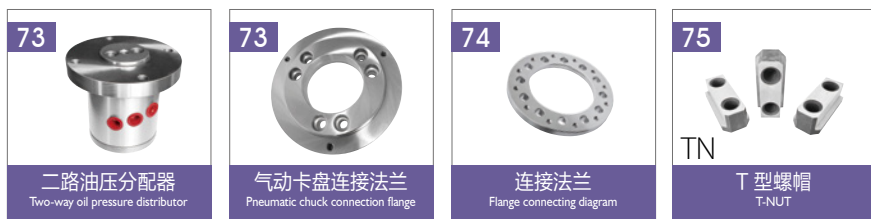
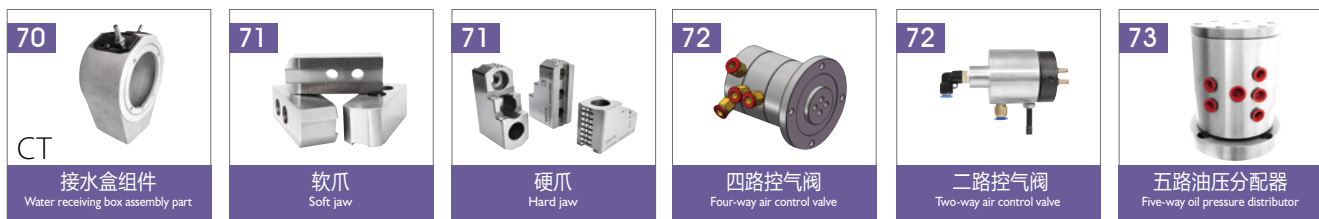
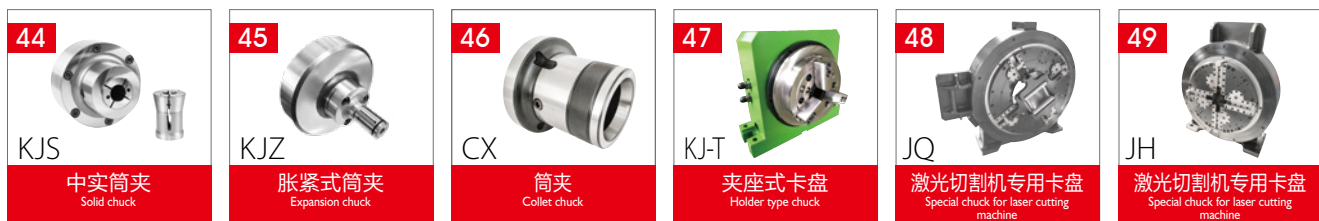


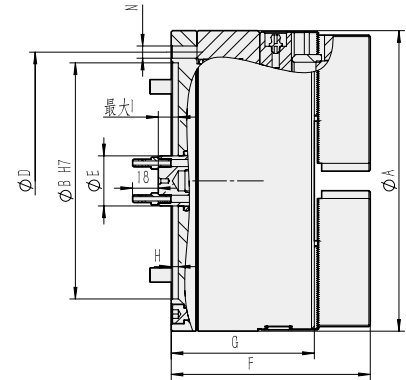
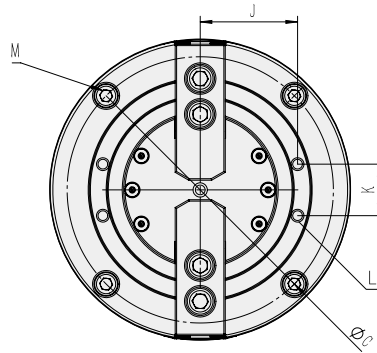


01  KS 中实二爪气动卡盘 Solid two-jaw pneumatic chuck	02  KS 中实三爪气动卡盘 Solid three-jaw pneumatic chuck	03  KS 中实四爪气动卡盘 Solid four-jaw pneumatic chuck	04  KS 中实五爪气动卡盘 Solid five-jaw pneumatic chuck	05  KB 半通孔气动卡盘 Half through-hole pneumatic chuck	06  KL-L 立式中实气动卡盘 Vertical solid pneumatic chuck
07  KL-Q 立式中空气动卡盘 Vertical hollow pneumatic chuck	08  KL-L 立式中空液压卡盘 Vertical hollow hydraulic chuck	09  KQ 前置式气动卡盘 Front-mounted pneumatic chuck	10  KQ 前置式气动卡盘 Front-mounted pneumatic chuck		
11  KT 中空二爪动力卡盘 Hollow two-jaw power chuck	12  KT 中空三爪动力卡盘 Hollow three-jaw power chuck	13  KT 中空四爪动力卡盘 Hollow four-jaw power chuck	14  KTD 中空超大行程动力卡盘 Hollow super large stroke power chuck	15  KY 中实二爪动力卡盘 Solid two-jaw power chuck	16  KY 中实三爪动力卡盘 Solid three-jaw power chuck
17  KY 中实四爪动力卡盘 Solid four-jaw power chuck	18  KY-L 中实长行程动力卡盘 Middle-solid long stroke power chuck	19  KYL 中实超大行程动力卡盘 Solid super large stroke power chuck	20  KFZ 三爪强力浮动油压力卡盘 Three-jaw powerful floating oil-pressure power chuck	21  KF C系列浮动爪动力卡盘 C series floating claw power chuck	22  KF A系列浮动爪动力卡盘 A series floating jaw actuating chuck
23  VL 立车卡盘 (一) Vertical lathe chuck	24  VL 立车卡盘 (二) Vertical lathe chuck	25  XJ 后拉式动力卡盘 Back-pull power chuck	26  XC 后拉式内撑动力卡盘 Pull back type inner brace power chuck	27  MP 精密膜片三爪 Precision Diaphragm Three Claw	28  MP 精密膜片六爪 Precision Diaphragm Six Claw
29  KFD 全自动分度卡盘 Automatic index chuck	31  SG 轴加工卡盘 Shaft processing chuck	33  SF 轴加工卡盘 Shaft processing chuck	35  TSR 液压中心架 Hydraulic central frame	36  TSC-B 液压自定心中心架 Hydraulic self-centering center frame	
38  CP 同步夹具 Synchronous clamp	39  KG-Q 压板式夹具 Pressure plate clamp	40  KJT 前置式中空筒夹 Front-mounted hollow collet chuck	41  KJA-Q 前置式中空筒夹 Front-mounted hollow collet chuck	42  KZJ 后拉式橡胶内胀夹头 (盲孔型) Pull-Back Rubber Inner Expansion Chuck (Blind Hole Type)	43  KTJ 后拉式橡胶筒夹夹头 (定位型) Back Pull Rubber Collet Chuck (Positioning Type)



- 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.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
KS04-2	115	72	100	100	28	102	78	4	13	—	—	—	4-M8×80	3-M8
KS05-2	135	95	115	108	28	114	83	5	11	—	—	—	4-M8×90	3-M8
KS06-2	172	130	154	142	35	132	93	5	13	68	36	4-M8	4-M8×100	3-M8
KS08-2	210	165	186	180	40	139	100	5	14	68	36	4-M8	4-M10×110	3-M10
KS10-2	254	206	230	226	40	148	101	5	18	102	60	4-M8	4-M12×110	3-M12
KS12-2	320	270	290	290	45	172	120	5	18	125	60	4-M12	4-M12×130	6-M12
KS16-2	400	340	368	368	60	201	136	6	22	170	60	4-M14	6-M12×130	6-M16

性能参数 Performance parameters

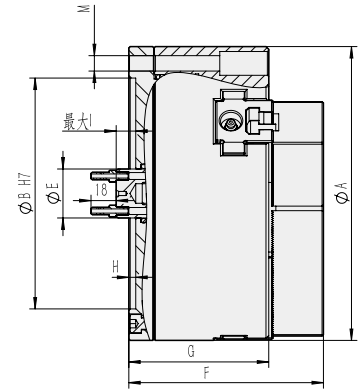
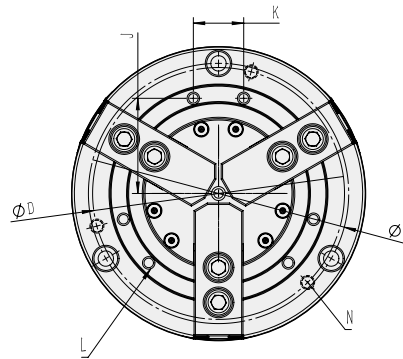
规格	爪行程 (直径)	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	最高回转数 min-1(r.p.m)	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Max.speed	Clamping range	Holding range	Weight
KS04-2	3.8	18(1850)	18(1850)	0.4-0.8	4500	2-120	15-120	5.6
KS05-2	4.2	25(2580)	25(2580)	0.4-0.8	4000	3-140	15-140	7.5
KS06-2	4.8	35(3600)	35(3600)	0.4-0.8	3600	4-180	20-180	15
KS08-2	5.3	70(7138)	70(7138)	0.4-0.8	3300	5-215	20-240	24.2
KS10-2	5.5	109(11200)	109(11200)	0.4-0.8	3000	10-260	30-280	32
KS12-2	8.4	150(15700)	150(16000)	0.4-0.8	2500	10-350	40-360	60
KS16-2	11.4	156(16565)	160(17043)	0.4-0.8	2000	20-420	60-400	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.

- 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.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
KS04-3	115	72	100	100	28	102	78	4	13	—	—	—	3-M8×80	3-M8
KS05-3	135	95	115	108	28	114	83	5	11	—	—	—	3-M8×90	3-M8
KS06-3	172	130	154	142	35	132	93	5	13	68	36	6-M8	3-M8×100	3-M8
KS08-3	210	165	186	180	40	139	100	5	14	68	36	6-M8	3-M10×110	3-M10
KS10-3	254	206	230	226	40	148	101	5	18	102	60	6-M8	3-M12×110	3-M12
KS12-3	320	270	290	290	45	172	120	5	18	125	60	6-M12	3-M12×130	6-M12
KS16-3	400	340	368	368	60	201	136	6	22	170	60	6-M14	6-M12×130	6-M16

性能参数 Performance parameters

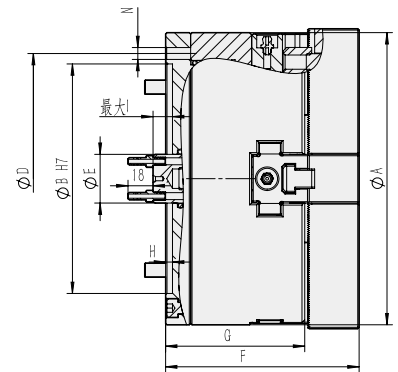
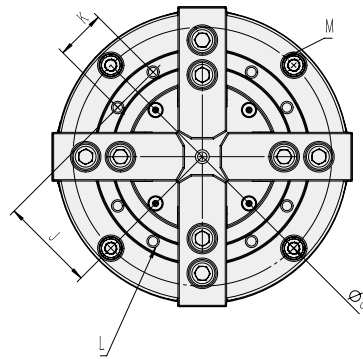
规格	爪行程 (直径)	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	最高回转数 min-1(r.p.m)	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Max.speed	Clamping range	Holding range	Weight
KS04-3	3.8	18(1850)	18(1850)	0.4-0.8	4500	2-120	15-120	5.8
KS05-3	4.2	25(2580)	25(2580)	0.4-0.8	4000	3-140	15-140	8
KS06-3	4.8	35(3600)	35(3600)	0.4-0.8	3600	4-180	18-180	15.8
KS08-3	5.3	70(7138)	70(7138)	0.4-0.8	3300	5-220	20-240	25
KS10-3	5.5	109(11200)	109(11200)	0.4-0.8	3000	10-260	30-280	33
KS12-3	8.4	150(15700)	150(16000)	0.4-0.8	2500	20-350	40-360	62
KS16-3	11.4	156(16565)	160(17043)	0.4-0.8	2000	30-420	60-440	125

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.

- 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.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
KS04-4	115	72	100	100	28	102	78	4	13	—	—	—	4-M8×80	3-M8
KS05-4	135	95	115	108	28	114	83	5	11	—	—	—	4-M8×90	3-M8
KS06-4	172	130	154	142	35	132	93	5	13	68	36	8-M8	4-M8×100	3-M8
KS08-4	210	165	186	180	40	139	100	5	14	68	36	8-M8	4-M10×110	3-M10
KS10-4	254	206	230	226	40	148	101	5	18	102	60	8-M8	4-M12×110	3-M12
KS12-4	320	270	290	290	45	172	120	5	18	125	60	8-M12	4-M12×130	6-M12
KS16-4	400	340	368	368	60	201	136	6	22	170	60	8-M14	8-M12×130	6-M16

性能参数 Performance parameters

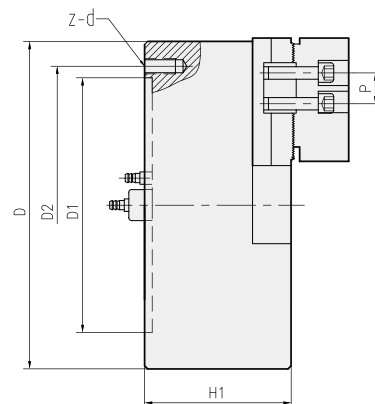
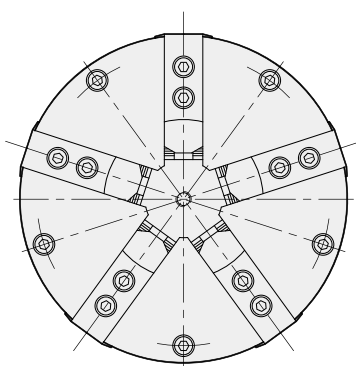
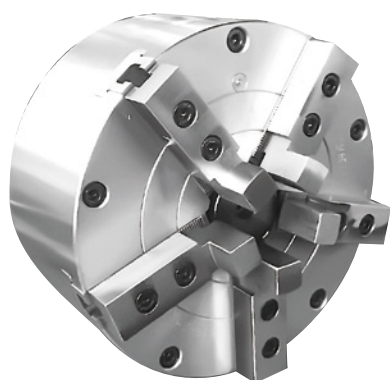
规格	爪行程 (直径)	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	最高回转数 min-1(r.p.m)	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Max.speed	Clamping range	Holding range	Weight
KS04-4	3.8	18(1850)	18(1850)	0.4-0.8	4500	2-120	15-120	6
KS05-4	4.2	25(2580)	25(2580)	0.4-0.8	4000	3-140	15-140	8.4
KS06-4	4.8	35(3600)	35(3600)	0.4-0.8	3600	4-180	20-180	16.5
KS08-4	5.3	70(7138)	70(7138)	0.4-0.8	3300	5-215	20-240	26.2
KS10-4	5.5	109(11200)	109(11200)	0.4-0.8	3000	10-260	30-280	34
KS12-4	8.4	150(15700)	150(16000)	0.4-0.8	2500	10-350	40-360	64
KS16-4	11.4	156(16565)	160(17043)	0.4-0.8	2000	30-420	60-440	125

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.

- 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.



尺寸参数 Size parameter

规格 Spec.	D	D1	D2	H	H1	h	p	z-d
KS08-5	212	165	180	136	98	5	20	3-M10
KS10-5	252	206	226	143.5	101	5	30	3-M12
KS12-5	325	270	290	165.8	116	6	30	6-M12
KS16-5	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	最高回转数 min-1(r.p.m)	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	Max.speed	Clamping range	Holding range	Weight
KS08-5	5.2	70(7140)	42(4284)	0.4-0.8	3300	20-220	40-240	24
KS10-5	5.7	91(9282)	60(6120)	0.4-0.8	3000	30-260	50-280	37
KS12-5	8.5	138(14076)	93(9486)	0.4-0.8	2500	40-350	60-360	72
KS16-5	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

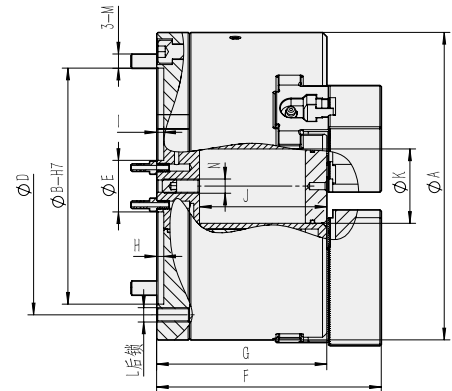
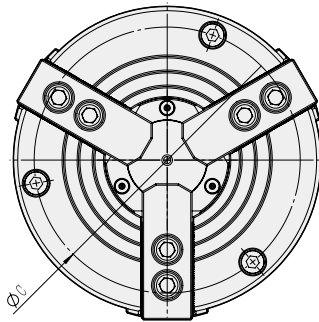
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

- 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, five-jaw, etc.

可提供二爪、四爪、五爪等形式。



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	E	F	G	H	I	J	K	L	M	N
KB04-3	115	72	100	100	28	118.5	94.5	4	4.5	67	23	3-M8	3-M8×80	M8
KB05-3	135	95	120	108	28	125	94	4	4.5	67	23	3-M8	3-M8×100	M8
KB06-3	165	130	154	142	44	149	112	5	2	81	38	3-M8	3-M8×65	M10
KB08-3	215	165	192	180	40	157	119	5	5	89	52	3-M10	3-M10×120	M10
KB10-3	256	206	230	226	45	170	127	5	5	91.5	70	3-M12	3-M12×120	M12
KB12-3	320	270	290	290	60	202	150	5	9.5	114.5	91	6-M12	3-M12×120	M12

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	最高回转数 min-1(r.p.m)	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	Max.speed	Clamping range	Holding range	Weight
KB04-3	4.8	11(1132)	14.5(1480)	0.4-0.8	4500	2-120	15-120	7.5
KB05-3	4.8	19.6(2000)	23.3(2380)	0.4-0.8	4000	3-140	15-140	9.5
KB06-3	5.5	38(3900)	40.5(4150)	0.4-0.8	3600	4-180	20-180	17
KB08-3	5.5	52(5320)	58(5940)	0.4-0.8	3300	5-215	20-240	30
KB10-3	6	69(7043)	82(8400)	0.4-0.8	3000	10-260	30-280	46
KB12-3	8.6	120(12300)	140(14300)	0.4-0.8	2500	10-350	40-360	83

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.

KL-S 立式中实气动卡盘

Vertical solid pneumatic chuck

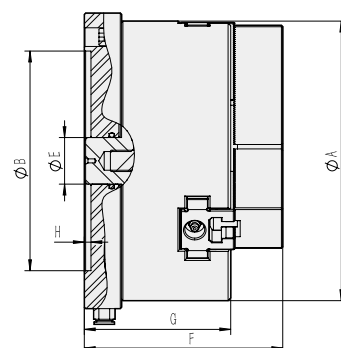
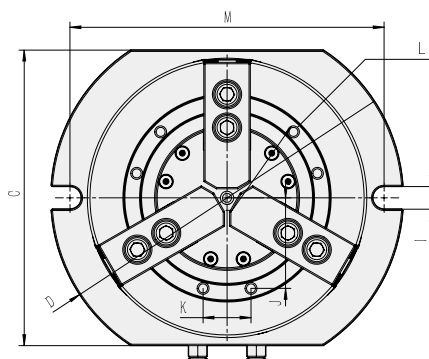


- 专利产品，立式带底板形。
- 该卡盘为内置式气缸，安装方便，从侧面进气实现夹紧和松开动作，无需另配动力源，一个工作空间内可同时安装多台，实现多工位加工，提高生产效率。
- 该卡盘适合于钻床、攻丝机、铣床、立式车床及加工中心机床使用。

可提供二爪、四爪、五爪等形式。

- 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.

We can supply the patterns of two-jaw, four-jaw, five-jaw, etc.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	E	F	G	H	I	J	K	L	M
KL04S-3	115	72	140	158	28	112	88	4	2-15	—	—	—	132
KL05S-3	135	95	150	175	28	121	90	5	2-15	—	—	—	156
KL06S-3	172	130	190	218	35	139	102	5	2-15	68	36	6-M8	192
KL08S-3	210	165	222	265	40	148	110	5	2-17	68	36	6-M8	236
KL10S-3	254	206	270	310	40	159	115	5	2-17	102	60	6-M8	280
KL12S-3	320	206	340	400	45	186	134	5	2-20	125	60	6-M12	360

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	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
KL04S-3	3.8	18(1850)	18(1850)	0.4-0.8	2-120	15-120	7.1
KL05S-3	4.2	25(2580)	25(2580)	0.4-0.8	3-140	15-140	9.9
KL06S-3	4.8	35(3600)	35(3600)	0.4-0.8	4-180	20-180	19.5
KL08S-3	5.3	70(7130)	70(7130)	0.4-0.8	5-215	20-240	31
KL10S-3	5.5	109(11200)	109(11200)	0.4-0.8	10-260	30-280	41
KL12S-3	8.4	150(15700)	150(16000)	0.4-0.8	10-350	40-360	130

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.

KL-Q 立式中空气动卡盘

Vertical hollow pneumatic chuck

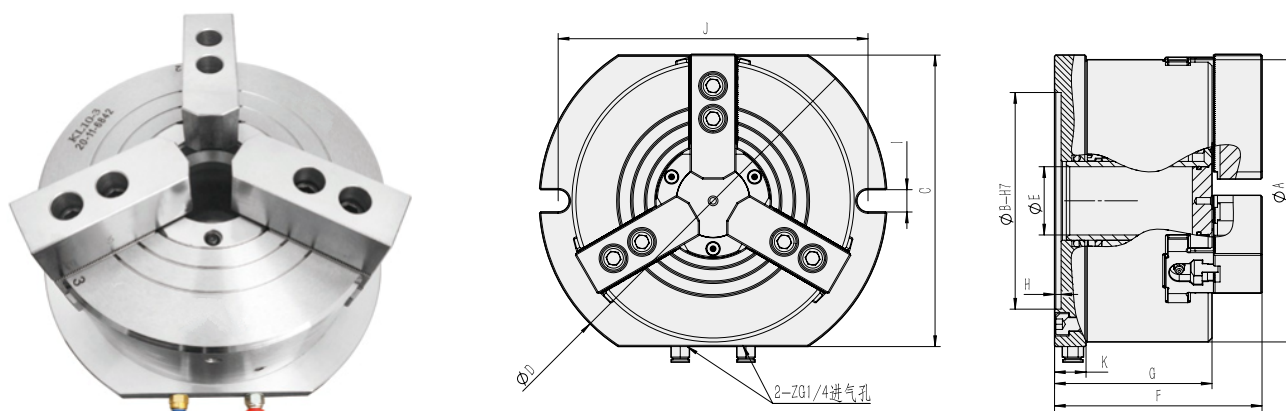


- 专利产品，立式带底板形。
- 该卡盘为内置式气缸，安装方便，从侧面进气实现夹紧和松开动作，无需另配动力源，一个工作空间内可同时安装多台，实现多工位加工，提高生产效率。
- 该卡盘适合于钻床、攻丝机、铣床、立式车床及加工中心机床使用。

可提供二爪、四爪、五爪等形式。

- 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.

We can supply the patterns of two-jaw, four-jaw, five-jaw, etc.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	E	F	G	H	I	J	K
KL04Q-3	115	72	140	158	23	123.5	99.5	4	2-15	132	23
KL05Q-3	135	95	150	175	23	131	100	4	2-15	156	24
KL06Q-3	165	130	190	218	38	150	113	4	2-15	192	24
KL08Q-3	215	165	222	265	52	158	120	5	2-17	236	24
KL10Q-3	256	206	270	310	70	169	126	5	2-17	280	24
KL12Q-3	320	206	340	400	91	202	150	5	2-20	360	25

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	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
KL04Q-3	4.8	11(1132)	14.5(1480)	0.4-0.8	2-120	15-120	8.5
KL05Q-3	4.8	19.6(2000)	23.3(2380)	0.4-0.8	3-140	15-140	11.5
KL06Q-3	5.5	38(3900)	40.5(4150)	0.4-0.8	4-180	18-180	19
KL08Q-3	5.5	52(5320)	58(5940)	0.4-0.8	5-220	20-240	33
KL10Q-3	6	69(7043)	84(8400)	0.4-0.8	10-260	30-280	46
KL12Q-3	8.6	69(12300)	84(14300)	0.4-0.8	20-350	40-360	89

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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Beijing Shuangfengli Technology Co., Ltd.
<https://www.bjslfkj.cn>

KL-Y 立式中空液压卡盘

Vertical hollow hydraulic chuck

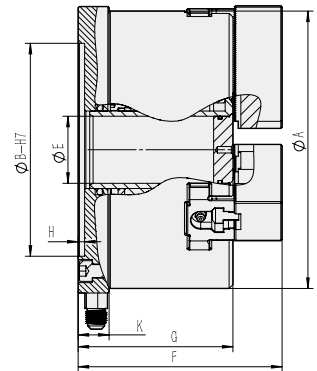
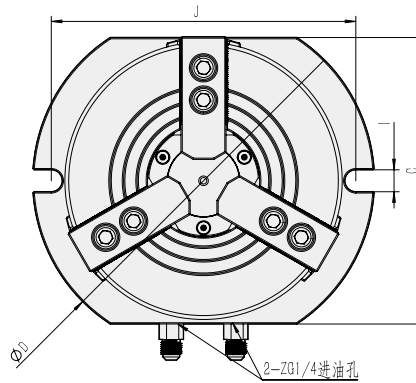


- 专利产品，立式带底板形。
- 该卡盘为内置式液压缸，安装方便，从侧面进液实现夹紧和松开动作，无需另配动力源，一个工作空间内可同时安装多台，实现多工位加工，提高生产效率。
- 该卡盘适合于钻床、攻丝机、铣床、立式车床及加工中心机床使用。

可提供二爪、四爪、五爪等形式。

- 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.

We can supply the patterns of two-jaw, four-jaw, five-jaw, etc.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	E	F	G	H	I	J	K
KL04Y-3	115	72	140	158	23	123.5	99.5	4	2-15	132	23
KL05Y-3	135	95	150	175	23	131	100	4	2-15	156	24
KL06Y-3	165	130	190	218	38	150	113	4	2-15	192	24
KL08Y-3	215	165	222	265	52	158	120	5	2-17	236	24
KL10Y-3	256	206	270	310	70	169	126	5	2-17	280	24
KL12Y-3	320	206	340	400	91	202	150	5	2-20	360	25

性能参数 Performance parameters

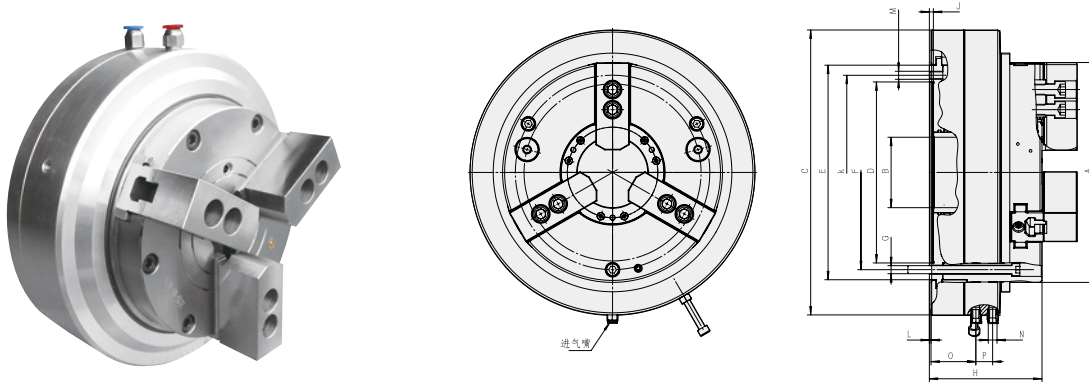
规格	爪行程 (直径)	最大静态夹紧力 KN (Kgf)	最大静态撑紧力 KN (Kgf)	许用压力 Mpa	夹紧范围	撑紧范围	重量 kg
Spec.	Jaw stroke (diameter)	Maximum static clamping force KN (Kgf)	Maximum static holding force KN (Kgf)	Permissible pressure Mpa	Clamping range	Holding range	Weight
KL04Y-3	4.8	22(2264)	29(2960)	0.4-1.6	2-120	15-120	8.5
KL05Y-3	4.8	39.2(4000)	46.6(4760)	0.4-1.6	3-140	15-140	11.5
KL06Y-3	5.5	76(7800)	81(8300)	0.4-1.6	4-180	20-180	19
KL08Y-3	5.5	104(10640)	116(11880)	0.4-1.6	5-215	20-240	33
KL10Y-3	6	138(14086)	164(16800)	0.4-1.6	10-260	30-280	46
KL12Y-3	8.6	138(19650)	168(22100)	0.4-1.6	10-350	40-360	91

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.

- 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。

- 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.	A	B	C	D(H7)	E	F	G	H	J	K	L	M	N	O	P
KQ04-3	120	15	185	72	140	100	3-M8	90.5	4	100	2	3-M8	1/4	-	-
KQ05-3	139.5	32	210	95	140	122	3-M8	116	5	108/120	1.5	3-M8	1/4	43	20
KQ06-3	175	38	252	130	180	154	3-M8	120	5	142	2.5	6-M8	1/4	47	20
KQ08-3	215	52	298	165	220	180	3-M10	127	5	180	2.5	6-M10	1/4	50	20
KQ10-3	260	71	346	206	260	226	3-M12	130	5	226	1.5	6-M12	1/4	50.5	20
KQ12-3	328	105	425	270	320	290	3-M12	168	6	290	2.5	6-M12	1/4	66.5	25

性能参数 Performance parameters

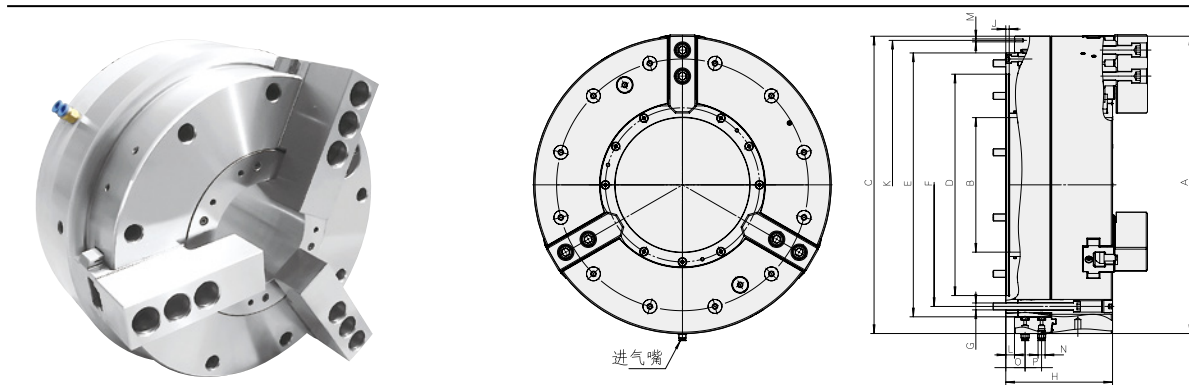
规格	许用压力 Mpa	爪行程 (直径) mm	楔型角	最大夹持面积 cm ²	最大静态夹紧力 KN (Kgf)	最高回转数 min-1(r.p.m)	重量 kg
Spec.	Permissible pressure Mpa	Jaw stroke (diameter)	Wedge Angle	Maximum static clamping force KN	Maximum static clamping force KN (Kgf)	Max.speed	Weight
KQ04-3	0.4-0.8	3.6	14°	39.5	11.2(1142)	3000	10.5
KQ05-3		4.8	15°	68	16(1833)	2800	15.5
KQ06-3		5.5	13°	106	30(3317)	2300	23
KQ08-3		5.5	13°	160	45(5000)	2000	38
KQ10-3		6	13°	225	65(7000)	1800	53
KQ12-3		10	13°	345	100(10800)	1400	103

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.

- 专利结构，短圆柱前锁螺钉连接形式。
- 该卡盘须安装进气环支架，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.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D(H7)	E	F	G	H	J	K	L	M	N	O	P
KQ18-3	420	140	420	300	357	330	9-M12	199.5	8	400	18	6-M8	3/8	42.5	38
KQ20-3	530	195	530	380	461.5	435	9-M12	216	8	510	20	6-M8	3/8	44.5	38
KQ21-3	570	230	570	415	500	474	9-M12	226	8	550	20	6-M8	3/8	44.5	38
KQ25-3	685	310	685	510	608	580	12-M16	246	8	666	20	6-M8	3/8	44.5	38
KQ30-3	735	360	735	560	658	630	12-M16	246	8	716	20	6-M8	3/8	44.5	38

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	最大静态夹紧力 KN (Kgf)	最高回转数 min-1(r.p.m)	重量 kg
Spec.	Permissible pressure Mpa	Jaw stroke (diameter)	Wedge Angle	Maximum static clamping force KN	Maximum static clamping force KN (Kgf)	Max.speed	Weight
KQ18-3	0.4-0.8	14	13°	420	120(13100)	1500	153
KQ20-3		14	13°	756	180(23600)	1200	252
KQ21-3		16	13°	836	200(29000)	1000	300
KQ25-3		20	13°	1270	300(39700)	1000	446
KQ30-3		20	13°	1410	420(49000)	800	490

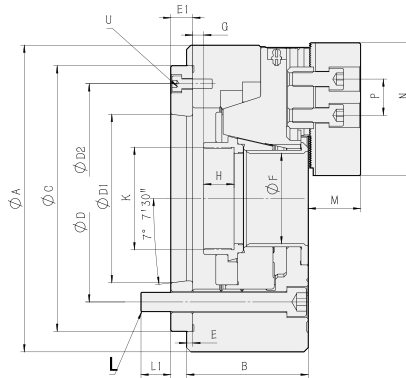
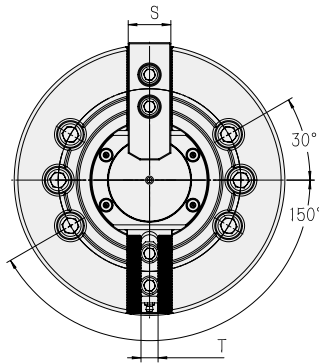
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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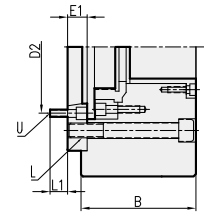


- 楔形通孔卡盘，符合日、台标准。
- 所有滑动面均采用硬化处理及精密研磨。
- 高刚性结构及高夹持精度。

- 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.



KT08-2 A5
KT10-2 A6



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	D1	D2	E	E1	F	Gmax.	Gmin.	H
KT05-2 A4	135	60	110	82.6	63.51	96	4	20	36	1	-10	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	A1	4-M1
KT05-2	A4	M40×1.5	4-M10	15	15	31	62	14	25	10	3-M6	53	M8
KT06-2	A5	M55×2	6-M10	16	16	37	73	20	31	12	3-M6	65	M8
KT08-2	A5	M60×2	6-M12	20	17	38	95	25	35	14	6-M10	80	M8
KT08-2	A6	M60×2	6-M12	20	18	38	95	25	35	14	3-M6	80	M8
KT10-2	A6	M85×2	6-M16	22	18	43	110	30	40	16	6-M12	102	M10
KT10-2	A8	M85×2	6-M16	22	24	43	110	30	40	16	3-M8	102	M10
KT12-2	A8	M100×2	6-M16	23	25	51	130	30	50	21	3-M8	115	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)
KT05-2	A4	10	5.4	135	12	11.7(1190)	23.9(2440)	7000	0.02	6.5	7.3	TK536	2.0(20)
KT06-2	A5	12	5.5	168	15	14.4(1470)	37.9(3870)	6000	0.06	11.5	13.3	TK646	1.9(19)
KT08-2	A5	16	7.4	210	13	23.1(2360)	57.2(5840)	5000	0.17	21.3	24.2	TK852	1.9(19)
KT08-2	A6	16	7.4	210	13	23.1(2360)	57.2(5840)	5000	0.17	21.3	22.4	TK852	1.9(19)
KT10-2	A6	19	8.8	254	31	28.4(2900)	73.9(7540)	4200	0.31	33.5	40.5	TK1075	1.8(18)
KT10-2	A8	19	8.8	254	31	28.4(2900)	73.9(7540)	4200	0.31	33.5	39	TK1075	1.8(18)
KT12-2	A8	23	10.6	304	34	36.7(3740)	95.8(9780)	3300	0.70	59.7	62.7	TK1291	1.8(18)

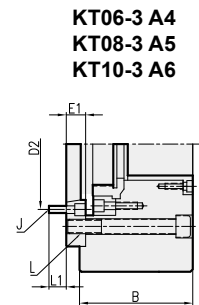
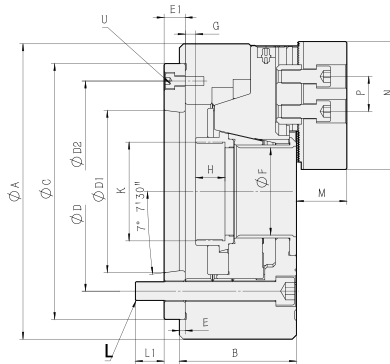
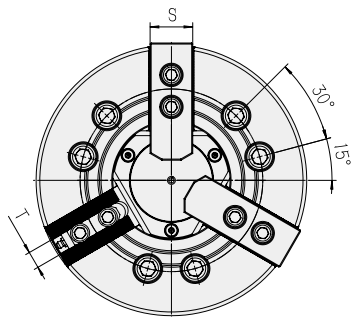
注：红色数据为 A 型之尺寸。

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.



KT06-3 A4
KT08-3 A5
KT10-3 A6

尺寸参数 Size parameter

规格 Spec.	A	B	C	D	D1	D2	E	E1	F	G1	G2	H
KT05-3 A4	135	60	110	82.6	63.51	96	4	20	36	1	-10	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	24	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	28	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	118	11	-16	43
KT15-3 A11	381	133	300	235	196.87	260	6	22	118	11	-16	43

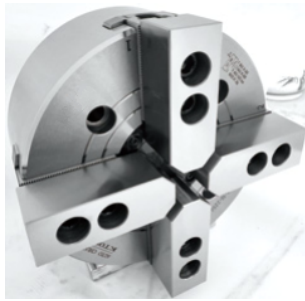
规格 Spec.		Kmax.	L	L1		M	N	P	S	T	U	A1	6-M1
KT05-3	A4	M40×1.5	3-M10	15	15	31	62	14	25	10	3-M6	53	M8
KT06-3	A4	M55×2	6-M10	16	16	37	73	20	31	12	6-M10	65	M8
KT06-3	A5	M55×2	6-M10	16	16	37	73	20	31	12	3-M6	65	M8
KT08-3	A5	M60×2	6-M12	20	17	38	95	25	35	14	6-M10	80	M8
KT08-3	A6	M60×2	6-M12	20	18	38	95	25	35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

性能参数 Performance parameters

规格	楔心行程 mm	爪行程 (直径)mm	夹持直径 Chuck 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)
KT05-3 A4	10	5.5	135 12	17.1(1750)	35.8(3650)	7000	0.02	6.7	TK536	2.9(29)
KT06-3 A4	12	5.5	168 15	21.5(2200)	56.8(5800)	6000	0.06	11.9	TK646	2.8(28)
KT06-3 A5	12	5.5	168 15	21.5(2200)	56.8(5800)	6000	0.06	11.9	TK646	2.8(28)
KT08-3 A5	16	7.4	210 13	34.3(3500)	85.8(8750)	5000	0.18	22.5	TK852	2.8(28)
KT08-3 A6	16	7.4	210 13	34.3(3500)	85.8(8750)	5000	0.18	22.5	TK852	2.8(28)
KT10-3 A6	19	8.8	254 31	42.6(4380)	110.7(11300)	4200	0.33	34.5	TK1075	2.7(27)
KT10-3 A8	19	8.8	254 31	42.6(4380)	110.7(11300)	4200	0.33	34.5	TK1075	2.7(27)
KT12-3 A8	23	10.6	304 34	54.9(5600)	143.6(14650)	3300	0.77	56.6	TK1291	2.7(27)
KT15-3 A8	23	10.6	381 50	71(7250)	179.8(18350)	2500	2.47	120	TK1512	2.1(22)
KT15-3 A11	23	10.6	381 50	71(7250)	179.8(18350)	2500	2.39	120	TK1512	2.1(22)

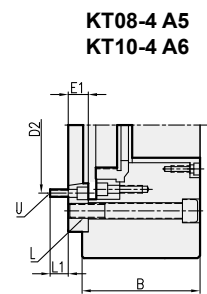
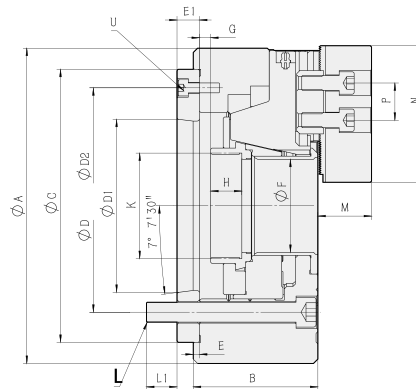
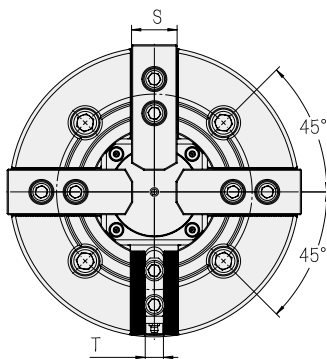
注：红色数据为 A 型之尺寸。

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



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- 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.



KT08-4 A5
KT10-4 A6

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	A1	8-M1
KT06-4	A5	M55×2	4-M10	16	16	37	73	20	31	12	3-M6	65	M8
KT08-4	A5	M60×2	4-M12	20	17	38	95	25	35	14	6-M10	80	M8
KT08-4	A6	M60×2	4-M12	20	18	38	95	25	35	14	3-M6	80	M8
KT10-4	A6	M85×2	4-M16	22	18	43	110	30	40	16	6-M12	102	M10
KT10-4	A8	M85×2	4-M16	22	24	43	110	30	40	16	3-M8	102	M10
KT12-4	A8	M100×2	4-M16	23	25	51	130	30	50	21	3-M8	115	M10

性能参数 Performance parameters

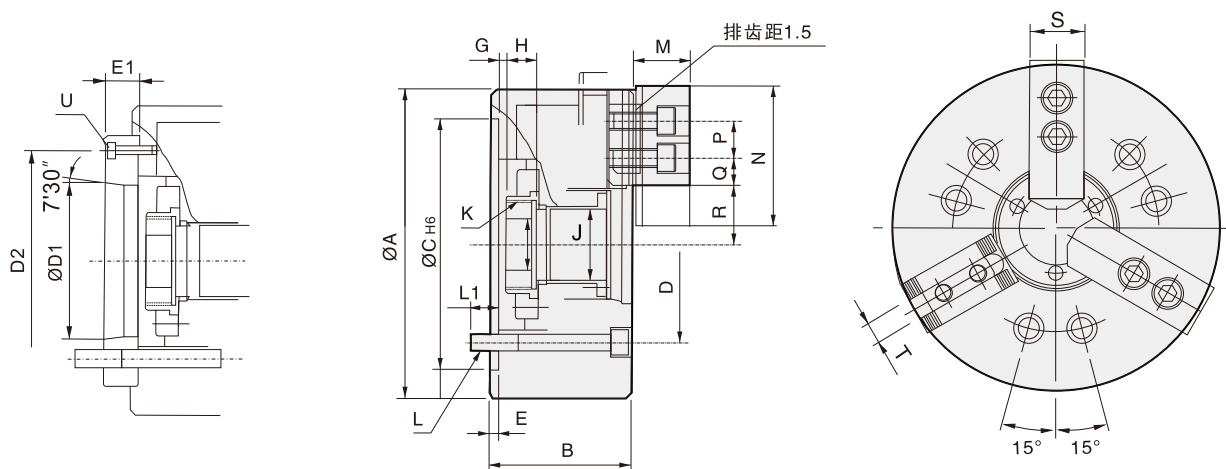
规格		楔心行程 mm	爪行程 (直径) mm	夹持直径 Chucking Dia.mm		容许油缸推力 KN(kgf)	最大夹持力 KN(kgf)	最高回转数 min-l(r.p.m)	I	重量 kg		适用回转缸	最大使用压力
Spec.		Plunger stroke	Jaw stroke (Dia.)	最大 Max.	最小 Min.	Max.D.B.pull	Max.clamping force	Max.speed	Kg.m ²	Weight		Matching cyl.	Max.pressure Mpa(kgf/cm ²)
KT06-4	A5	12	5.5	168	15	21.6(2200)	56.8(5800)	5000	0.07	12.5	14.3	TK646S	2.8(28)
KT08-4	A5	16	7.4	210	13	34.3(3500)	85.8(8750)	4200	0.19	23.5	25.4	TK852S	2.8(28)
KT08-4	A6	16	7.4	210	13	34.3(3500)	85.8(8750)	4200	0.19	23.5	24.3	TK852S	2.8(28)
KT10-4	A6	19	8.8	254	31	42.6(4380)	110.7(11300)	3400	0.34	36.3	41	TK1075	2.7(27)
KT10-4	A8	19	8.8	254	31	42.6(4380)	110.7(11300)	3400	0.34	36.3	39.3	TK1075	2.7(27)
KT12-4	A8	23	10.6	304	34	54.9(5600)	143.6(14650)	2700	0.79	62	65.7	TK1291	2.7(27)

注：红色数据为 A 型之尺寸。

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



- 曲柄型三爪超大车贯通孔径，超长爪行程。
 - 滑动面均经硬化及精密研磨，并直接润滑。
 - 安装连接方式与中空夹头一样，且可与之相容交换，不必更改拉杆。
 - 高刚性结构及高夹持精度。
- Crank type three-claw super large through hole diameter and long claw stroke.
 - The sliding surfaces are hardened, precision finished and directly lubricated.
 - With the same installation and connection mode as that of hollow chuck, it can be exchanged without changing the pull rod.
 - High rigid structure and high clamping precision.



尺寸参数 Size parameter

规格 Spec.	A (mm)	B (mm)	C(H6) (mm)	D (mm)	D1 (mm)	D2 (mm)	E (mm)	E1 (mm)	F (mm)	G max. (mm)	G min. (mm)	H (mm)	J (mm)
KT06D-3	168	97	140	104.78	82.563	116	5	18	45	1	-12	19	45
KT08D-3	210	114	170	133.35	103.375	150	5	23	52	0	-16	20	52
KT10D-3	254	123	220	171.45	139.719	190	5	18	75	8	-10.5	25	75
KT12D-3	320	126.3	220	171.45	139.719	190	5	18	91	8	-11	20	91

规格 Spec.	K max. (mm)	L (mm)	L1 (mm)	M (mm)	N (mm)	P (mm)	Q max. (mm)	Q min. (mm)	R max. (mm)	R min. (mm)	S (mm)	T (mm)	U (mm)
KT06D-3	M55×2	6-M10	15	37	73	20	25.75	13.75	39	27	31	12	3-M6
KT08D-3	M60×2	6-M12	18	38	95	25	28.25	16.25	49.25	33.25	35	14	3-M6
KT10D-3	M85×2	6-M16	22	43	110	30	35.25	17.25	64.25	45.25	40	16	3-M6
KT12D-3	M100×2	6-M16	22	50	130	30	45	26	82.5	60	50	21	3-M8

性能参数 Performance parameters

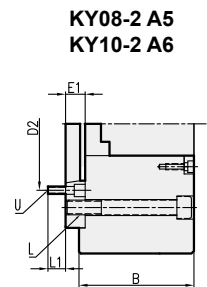
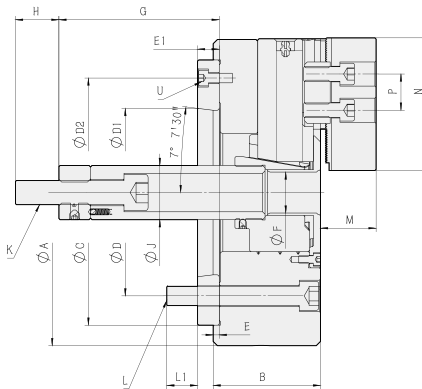
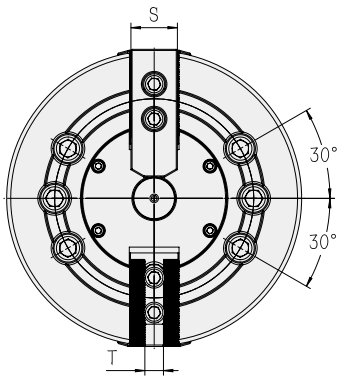
规格	楔心行程	爪行程 (直径) mm	最大容许推力	最大静夹持力	最高使用压力	最高回转数 min-1(r.p.m)	重量 kg	惯性矩	适配油缸	外径夹持范围
Spec.	Plunger Stroke (mm)	Jaw Stroke (DIA.mm)	Kgf(KN)	Max.Gripping Force Kgf(KN)	Max.Pressure Kg/cm²(Mpa)	Max.speed	Weight	(Kg m²)	Matching Cylinder	Max.Pull Force (mm)
KT06D-3	13	26	2400	2650	27	3600	14.8	0.063	TK646S	Φ10-Φ168
KT08D-3	16	28	3500	4150	26	3000	24.1	0.175	TK852S	Φ10-Φ218
KT10D-3	18.5	32	4870	5700	27	2400	43.5	0.347	TK1075	Φ18-Φ254
KT12D-3	19	45	5600(54.9)	4800(47)	30	1500	77	0.8	TK1075	Φ40-Φ304

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.



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- 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.



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	A1	4-M1
KY05-2		28	M12×1.75	4-M8	14		31	62	14	25	10	—	52	M8
KY06-2	A5	34	M16×2	6-M10	17	14	39	73	20	31	12	3-M6	68	M8
KY08-2	A5	38	M20×2.5	6-M12	18	17	41	95	25	35	14	6-M10	80	M8
KY08-2	A6	38	M20×2.5	6-M12	18	18	41	95	25	35	14	3-M6	80	M8
KY10-2	A6	45	M20×2.5	6-M16	25	18	46	110	30	40	16	6-M12	102	M10
KY10-2	A8	45	M20×2.5	6-M16	25	25	46	110	30	40	16	6-M8	102	M10
KY12-2	A8	50	M20×2.5	6-M16	25	25	54	130	30	50	21/18	6-M8	105	M10

性能参数 Performance parameters

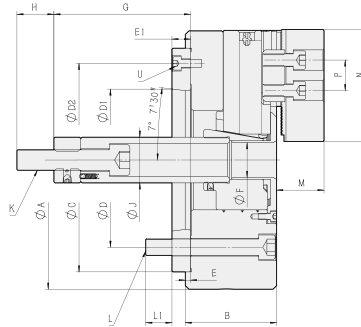
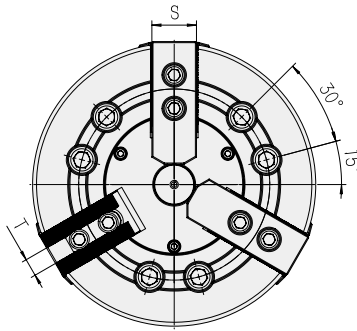
规格		楔心行程 mm	爪行程 (直径) mm	夹持直径 Chucking Dia.mm		容许油缸推力 KN(kgf)	最大夹持力 KN(kgf)	最高回 转 数 min-1(r.p.m)	I	重量 kg		适用回转缸	最大使用压力
Spec.		Plunger stroke	Jaw stroke (Dia.)	最大 Max.	最小 Min.	Max.D.B.pull	Max.clamping force	Max.speed	Kg.m ²	Weight		Matching cyl.	Max.pressure Mpa(kgf/cm ²)
KY05-2		15	6.4	135	14	5.3(540)	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。

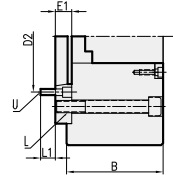
Notes: data in red is size for Type-A.



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- 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.



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	55	80	100	—	—	7	—	—	9	-6	35	28
KY06-3	A4	165	74	140	104.8	63.51	116	5	20	21	102	82	35	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	24	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	28	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	36	163	133	36	50
KY12-3	A8	304	106	220	171.4	139.72	190	6	18	36	163	133	36	50
KY15-3	A11	381	116	300	235	196.87	260	6	-	36	104	69	55	60

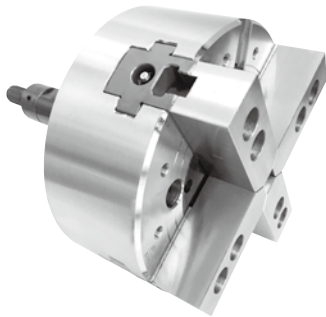
规格 Spec.	Kmax.	L	L1	M	N	P	S	T	U	A1	6-M1
KY05-3	M12×1.75	3-M8	14	31	62	14	25	10	—	52	M8
KY06-3	A4 M16×2	6-M10	17 13	39	73	20	31	12	6-M10	68	M8
KY06-3	A5 M16×2	6-M10	17 14	39	73	20	31	12	3-M6	68	M8
KY08-3	A5 M20×2.5	6-M12	18 17	41	95	25	35	14	6-M10	80	M8
KY08-3	A6 M20×2.5	6-M12	18 18	41	95	25	35	14	3-M6	80	M8
KY10-3	A6 M20×2.5	6-M16	25 18	46	110	30	40	16	6-M12	102	M10
KY10-3	A8 M20×2.5	6-M16	25 25	46	110	30	40	16	3-M8	102	M10
KY12-3	A6 M20×2.5	6-M16	25 18	54	130	30	50	21/18	6-M12	105	M10
KY12-3	A8 M20×2.5	6-M16	25 25	54	130	30	50	21/18	3-M8	105	M10
KY15-3	A11 M30×3.5	6-M20	30	64	-	43	62	25.5	6-M8	150	M12

性能参数 Performance parameters

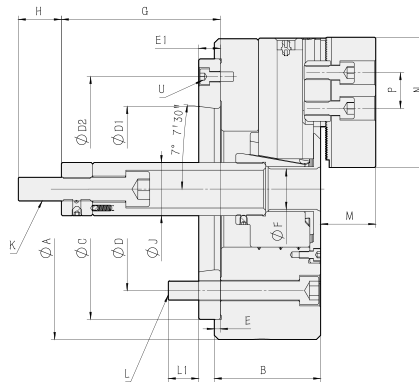
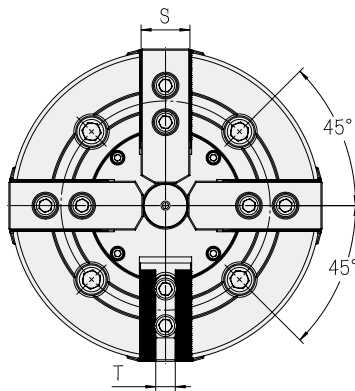
规格	楔心行程 mm	爪行程 (直径)mm	夹持直径 Chuck Dia.mm	容许油压缸推力 KN(kgf)	最大夹持力 KN(kgf)	最高回转数 min-1(r.p.m)	I	重量 kg	适用回转缸	最大使用压力
Spec.	Plunger stroke	Jaw stroke (Dia.)	最大 Max. 最小 Min.	Max.D.B.pull	Max.clamping force	Max.speed	Kg.m ²	Weight	Matching cyl.	Max.pressure Mpa(kgf/cm ²)
KY05-3	15	6.4	135 14	8.1(830)	25(2550)	5500	0.02	6.2	RH80	2.2(22)
KY06-3	A4 20	8.5	165 14	17.9(1830)	52.4(5350)	5000	0.05	13 14.6	RH100	3.0(30)
KY06-3	A5 20	8.5	165 14	17.9(1830)	52.4(5350)	5000	0.05	13 14	RH100	3.0(30)
KY08-3	A5 21	8.8	210 17	25(2550)	74.5(7600)	4750	0.14	24 28	RH125	2.6(26)
KY08-3	A6 21	8.8	210 17	25(2550)	74.5(7600)	4750	0.14	24 27	RH125	2.6(26)
KY10-3	A6 25	8.8	254 22	28.9(2950)	107.8(11000)	3500	0.30	35 42	RH125	3.0(30)
KY10-3	A8 25	8.8	254 22	28.9(2950)	107.8(11000)	3500	0.30	35 40	RH125	3.0(30)
KY12-3	A6 30	10.5	304 22	41(4180)	155.8(15900)	3360	0.73	59 65	RH150	3.0(30)
KY12-3	A8 30	10.5	304 22	41(4180)	155.8(15900)	3360	0.73	59 63	RH150	3.0(30)
KY15-3	A11 35	16	450 60	82(8360)	248.4(25350)	3000	1.95	107	RK200	3.2(32)

注：红色数据为 A 型之尺寸。

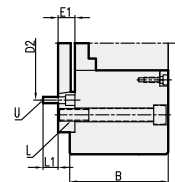
Notes: data in red is size for Type-A.



- 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.



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

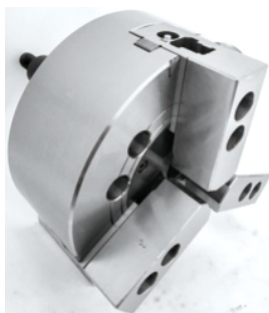
规格 Spec.	Kmax.	L	L1		M	N	P	S	T	U	A1	8-M1
KY06-4 A5	M16×2	4-M10	17	14	39	73	20	31	12	3-M6	68	M8
KY08-4 A5	M20×2.5	4-M12	18	17	41	95	25	35	14	6-M10	80	M10
KY08-4 A6	M20×2.5	4-M12	18	18	41	95	25	35	14	3-M6	80	M10
KY10-4 A6	M20×2.5	4-M16	25	18	46	110	30	40	16	6-M12	102	M10
KY10-4 A8	M20×2.5	4-M16	25	25	46	110	30	40	16	3-M8	102	M10
KY12-4 A8	M20×2.5	4-M16	25	25	54	130	30	50	21/18	3-M8	105	M10

性能参数 Performance parameters

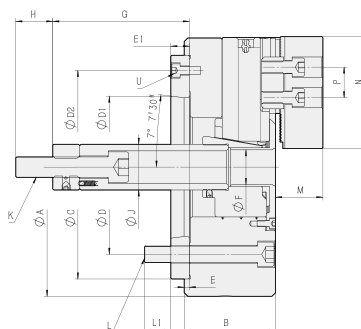
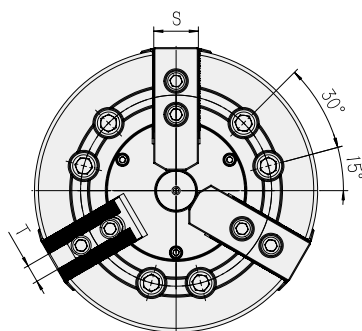
规格	楔心行程 mm	爪行程 (直径) mm	夹持直径 Chuck Dia. mm		容许油缸推力 KN(kgf)	最大夹持力 KN(kgf)	最高回转数 min-1(r.p.m)	I	重量 kg	适用回转缸	最大使用压力
Spec.	Plunger stroke	Jaw stroke (Dia.)	最大 Max.	最小 Min.	Max.D.B.pull	Max.clamping force	Max.speed	Kg.m ²	Weight	Matching cyl.	Max.pressure Mpa(kgf/cm ²)
KY06-4 A5	20	8.5	165	14	12(1220)	35(3570)	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。

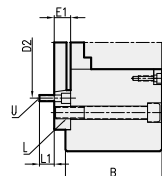
Notes: data in red is size for Type-A.



- 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。
 - 三爪长行程，适用于让位要求较大的零件。
- 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.
 - Three-claw long stroke, is suitable for parts with large yield requirements.



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
KY06L-3 A4	165	74	140	104.8	63.51	116	5	20	21	102	82	35	34
KY06L-3 A5	165	74	140	104.8	82.56	116	5	15	21	102	82	36	34
KY08L-3 A5	210	85	170	133.4	82.56	104.8	5	24	25	127	106	36	38
KY08L-3 A6	210	85	170	133.4	106.38	150	5	17	25	127	106	36	38
KY10L-3 A6	254	89	220	171.4	106.38	133.4	5	28	34	158	133	36	45
KY10L-3 A8	254	89	220	171.4	139.72	190	5	18	34	158	133	36	45

规格 Spec.	Kmax.	L	L1	M	N	P	S	T	U	A1	6-M1
KY06L-3 A4	M16×2	6-M10	17	13	39	73	20	31	12	6-M10	M8
KY06L-3 A5	M16×2	6-M10	17	14	39	73	20	31	12	3-M6	M8
KY08L-3 A5	M20×2.5	6-M12	18	17	41	95	25	35	14	6-M10	M8
KY08L-3 A6	M20×2.5	6-M12	18	18	41	95	25	35	14	3-M6	M8
KY10L-3 A6	M20×2.5	6-M16	25	18	46	110	30	40	16	6-M12	M10
KY10L-3 A8	M20×2.5	6-M16	25	25	46	110	30	40	16	3-M8	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~l(r.p.m)	l	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)
KY06L-3	A4	20	13	165	14	17.9(1830)	51(5200)	5000	0.05	13	14.6	RH100	3.0(30)
KY06L-3	A5	20	13	165	14	17.9(1830)	51(5200)	5000	0.05	13	14	RH100	3.0(30)
KY08L-3	A5	21	16.2	210	17	25(2550)	73(7440)	4750	0.14	24	28	RH125	2.6(26)
KY08L-3	A6	21	16.2	210	17	25(2550)	73(7440)	4750	0.14	24	27	RH125	2.6(26)
KY10L-3	A6	25	18.1	254	22	28.9(2950)	103(10810)	3500	0.30	35	42	RH125	3.0(30)
KY10L-3	A8	25	18.1	254	22	28.9(2950)	103(10810)	3500	0.30	35	40	RH125	3.0(30)

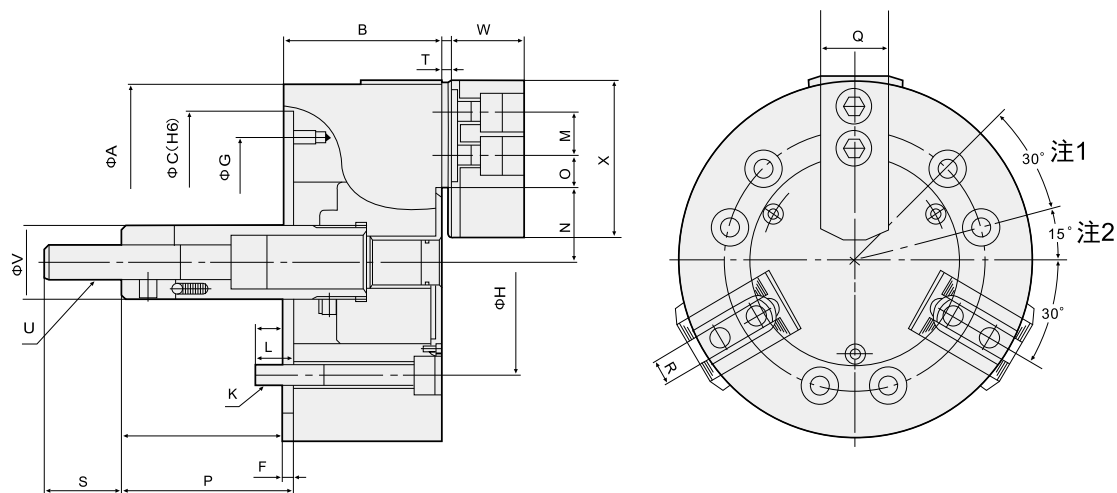
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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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。（爪数有二爪、三爪）

- It is a crank type three-claw super large stroke chuck with strong clamping force and can be applied in powerful cutting. (two claws and three claws available for selection)



尺寸参数 Size parameter

规格 Spec.	A (mm)	B (mm)	C(H6) (mm)	F (mm)	G (mm)	H (mm)	K (mm)	L (mm)	M (mm)	N max. (mm)	N min. (mm)
KY06D-3	165	80	140	5	116	104.8	6-M10	14	20	45	31
KY08D-3	215	92	170	5	150	133.4	6-M12	18	25	60	40
KY10D-3	254	115	220	5	190	171.4	6-M16	20	30	74.5	49.5
KY12D-3	304	122	220	6	190	171.4	6-M16	20	30	84.7	57.3

规格 Spec.	O max. (mm)	O min. (mm)	P max. (mm)	P min. (mm)	Q (mm)	R (mm)	S (mm)	T (mm)	U (mm)	V (mm)	W (mm)	X (mm)
KY06D-3	18	7.5	101.5	81.5	31	12	36	4	M16×2.0P	34	39	73
KY08D-3	22.5	9	127	106	35	14	36	5	M20×2.5P	38	42	95
KY10D-3	37.5	10.5	158	133	40	16	36	5	M20×2.5P	45	46	110
KY12D-3	37.8	9.8	168	138	50	18	36	5	M20×2.5P	50	50	130

性能参数 Performance parameters

规格	柱塞行程	爪行程 (直径) mm	最高回转数 min-1(r.p.m)	最大拉力	最大静夹持力	适配油缸型号	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	Max.Pull Force KgF(KN)	Max.Gripping Force KgF(KN)	Matching Cylinder	最大 Max.	最小 Min.	Max.Pressure KgF/cm²(Mpa)	Weight
KY06D-3	20	28	5000	1730(17)	2000(19.6)	RH100	165	19	27(2.6)	13
KY08D-3	25	40	4600	2440(22)	2800(27.5)	RH125	210	23	25(2.5)	25
KY10D-3	30	50	4000	2850(28)	3500(34.3)	RH125	254	24	29(2.8)	37
KY12D-3	30	54	2000	4180(41)	4900(48)	RH150	304	30	29(2.8)	59

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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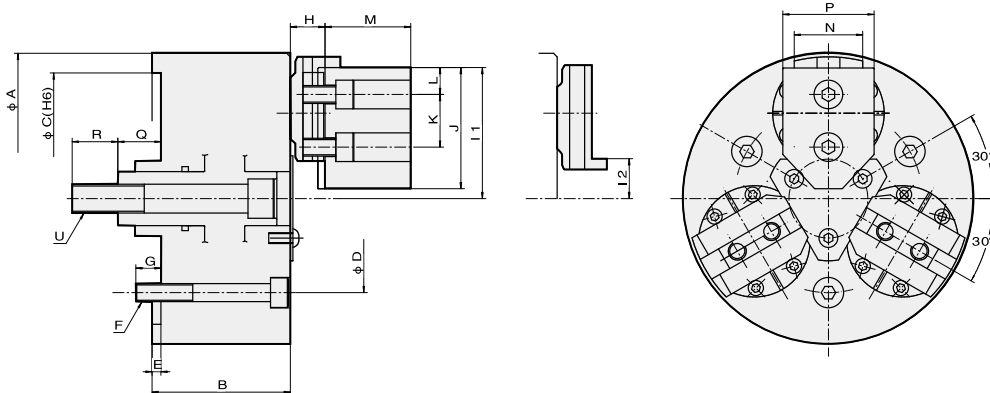
KFZ 三爪强力浮动油压动力卡盘

Three-jaw powerful floating oil-pressure power chuck



- 工件被卡紧并后拉，能卡住10° 的锥体，爪是左右自由摆动5°，具有很强的卡紧力(如图所示)；
- 还有一种特殊的带中心不补偿的卡盘；
- 内径夹紧和外径夹紧轻松转换；
- 重复定位精度可达: 0.03mm。

- The cone with 10 ° can be clamped when the workpiece is clamped and pulled back. The claw can swing freely for 5 ° from left to right and it has strong clamping force (as shown in the figure);
- A special chuck with center compensation is also available;
- Easy conversion between inner diameter clamping and outer diameter clamping;
- The accuracy of repeated positioning is up to 0.03mm.



尺寸参数 Size parameter

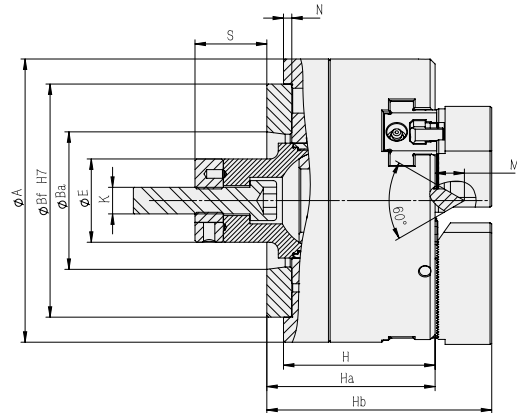
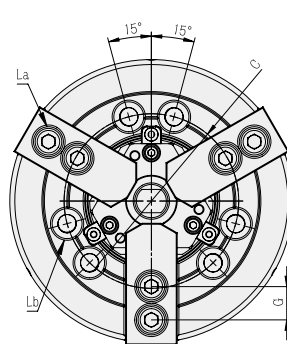
规格 Spec.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H (mm)	I1 (mm)	I2 (mm)
KFZ-06	162	77	140	104.8	5	3-M10	14.3	73	22.2
KFZ-08	200	88	170	133.4	5	3-M12	19.3	89	25
KFZ-10	254	105	220	171.4	5	3-M16	24.5	112.8	30.2
KFZ-12	300	105	220	171.4	5	3-M16	24.5	133.3	50.7
KFZ-15	381	120	300	235	5	3-M20	29	171.15	69.85
KFZ-18	457	126.5	300	260	5	3-M20	29	209.65	108.35
KFZ-21	533	126.5	380	330.2	5	3-M24	29	248	146.7
规格 Spec.	J (mm)	K (mm)	L (mm)	M (mm)	N (mm)	P (mm)	Q (mm)	R (mm)	U (mm)
KFZ-06	68	29.4	15	44	38.1	50	17.6~29	30	M16
KFZ-08	81	34	15	54	44.45	55	20~34	30	M18
KFZ-10	100	44.5	19	64	57	70	23.5~41	35	M22
KFZ-12	110	44.5	19	64	57	70	20~37.5	38	M22
KFZ-15	140	54	24	74	66.7	80	29.6~52	40	M24
KFZ-18	140	54	24	74	66.7	80	16.4~38.7	41	M30
KFZ-21	170	54	24	74	66.7	80	16.4~38.7	41	M30

性能参数 Performance parameters

规格	柱塞行程	爪行程 (直径)	最高回转数	最大拉力	最大静夹持力	适配油缸型号	夹持范围		重量 kg
Spec.	Plunger Stroke (mm)	Jaw stroke (DIA,mm)	Max.speed min~1(r.p.m)	Max.Pull Force KgF(KN)	Max.Gripping Force KgF(KN)	Matching Cylinder	外径 (mm)	内径 (mm)	Weight
KFZ-06	11.4	7.9	4000	23	70	RH100	φ12.7-φ120	φ70-φ152	14.8
KFZ-08	14.2	9.5	3500	32	96	RH125	φ16-φ152	φ76-φ203	23.7
KFZ-10	17.5	12.7	3200	40	123	RH150	φ50-φ203	φ85-φ235	39.5
KFZ-12	17.5	12.7	2500	40	123	RH150	φ63-φ241	φ127-φ305	58.5
KFZ-15	22.4	15.8	1800	54	165	RH200	φ78-φ310	φ170-φ380	95.2
KFZ-18	22.4	15.8	1500	55	166	RH200	φ90-φ390	φ245-φ455	145
KFZ-21	22.4	15.8	1000	56	167	RH200	φ165-φ470	φ320-φ530	180

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

- 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

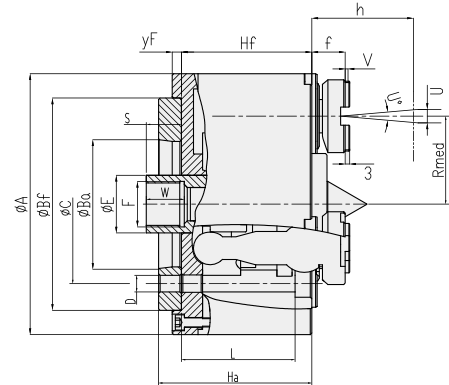
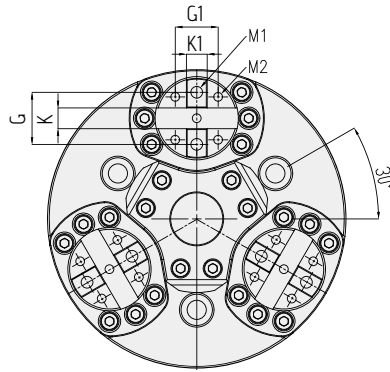
- 用于轴类零件的两顶尖加工方式
- 夹持方便，依靠中心定位孔进行快速的夹持
- 工件通过固定顶尖定心，保障2次加工时的精密度
- Two tip processing methods for shaft parts
- Clamping is convenient, relying on center positioning hole for fast clamping
- The centering of work piece can be decided by fixed tip, to assure precision during secondary processing

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
最高回转数 min-1(r.p.m) Max.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

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)

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.

性能参数 Performance parameters

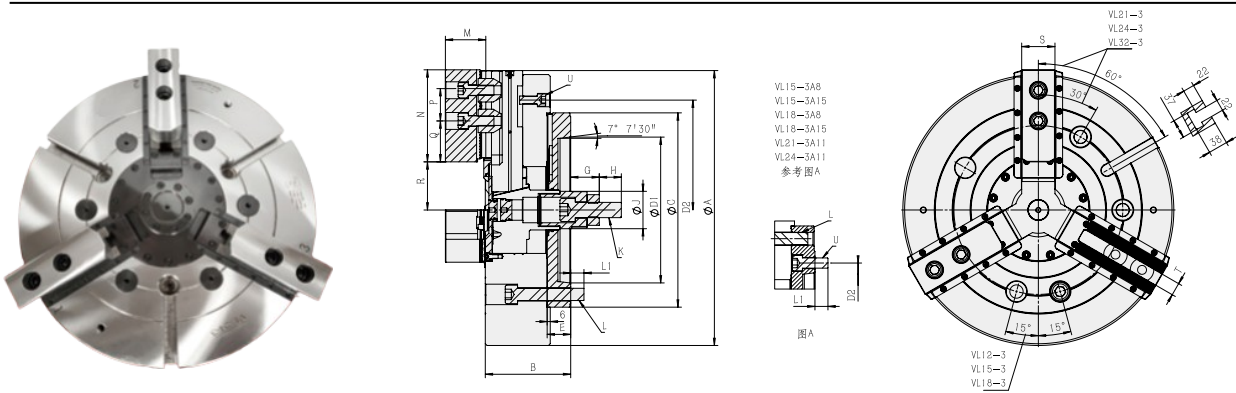
型号 Model		KF160A-3	KFA200A-3	KF250A-3	KF315A-3
A	(mm)	172	212	250	315
Bf	(mm)	140	170	220	220
Ba	(mm)	82.563	106.375	139.719	139.719
C	(mm)	104.8	133.4	171.4	171.4
E	(mm)	38	38	48	48
F	(mm)	M30*1.5	M32*1.5	M38*1.5	M38*1.5
W	(mm)	25	25	25	25
Hf	(mm)	85	102	108	108
Yf	(mm)	5	5	5	5
参考高度 h Reference Height	(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
最高回转数 min-1(r.p.m) Max.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.

- VL系列楔型中实立车卡盘。
- 防切屑及防水设计。
- 可根据用户要求设计四、六爪。
- 可定制双动作带顶杆形式。

- VL series wedge type middle-solid vertical chuck.
- Chip proof and waterproof design.
- Four or six claws can be designed according to the user's requirements.
- Double action with ejector pin can be customized.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	D1	D2	E	F	G Max.	G Min.	H	J	K
VL-12 A8	304	141	220	171.4	139.72	190	40	1.5	73	43	36	50	M20×2.5
VL-15 A8	381	164	300	235	139.72	171.4	54	1.5	99	64	55	60	M30×3.5
VL-15 A11	381	168	300	235	196.87	260	58	1.5	95	60	55	60	M30×3.5
VL-15 A15	381	172	380	235	285.78	330.2	62	1.5	91	56	55	60	M30×3.5
VL-18 A8	450	164	300	235	139.72	171.4	54	1.5	99	64	55	60	M30×3.5
VL-18 A11	450	168	300	235	196.87	260	58	1.5	95	60	55	60	M30×3.5
VL-18 A15	450	172	380	235	285.78	330.2	62	1.5	91	56	55	60	M30×3.5
VL-21 A11	530	167	380	330.2	196.87	235	46	3	91	56	55	60	M30×3.5
VL-21 A15	530	167	380	330.2	285.78	330.2	46	3	91	56	55	60	M30×3.5
VL-24 A11	610	167	380	330.2	196.87	235	46	3	91	56	55	60	M30×3.5
VL-24 A15	610	167	380	330.2	285.78	330.2	46	3	91	56	55	60	M30×3.5
VL-32 A15	800	167	380	330.2	285.78	330.2	46	3	91	56	55	60	M30×3.5

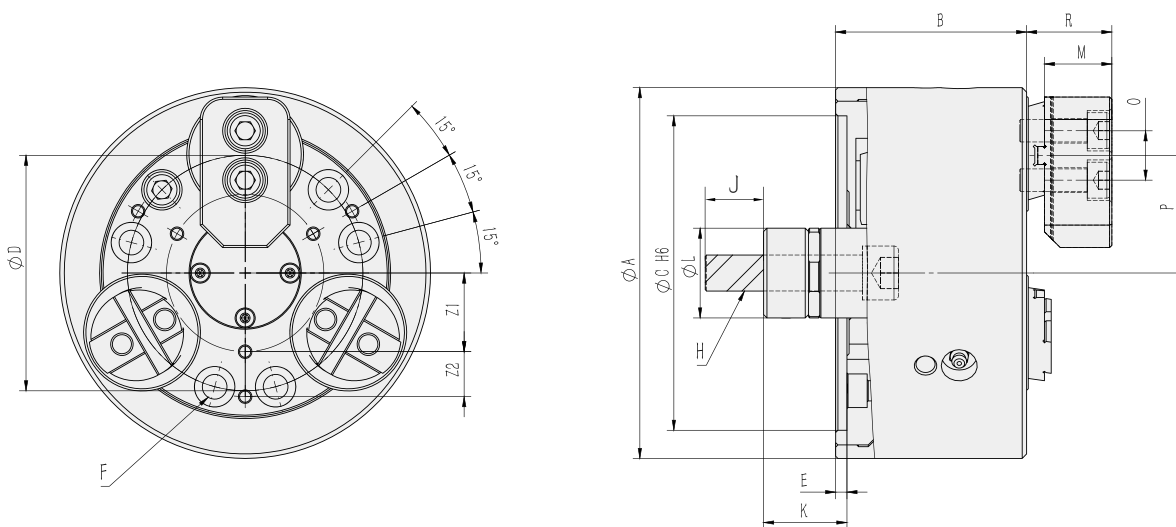
规格 Spec.	L	L1	M	N	P	Q Max.	Q Min.	R Max.	R Min.	S	T	U
VL-12 A8	3-M16	24	54	130	30	47.5	16	61	54.65	50	21	3-M8
VL-15 A8	6-M20	24	66	165	43	51.25	18.25	77.5	69.5	62	25.5	6-M16
VL-15 A11	6-M20	32	66	165	43	51.25	18.25	77.5	69.5	62	25.5	3-M10
VL-15 A15	6-M20	26	66	165	43	51.25	18.25	77.5	69.5	62	25.5	6-M24
VL-18 A8	6-M20	24	66	165	43	51.25	18.25	108	100	62	25.5	6-M16
VL-18 A11	6-M20	32	66	165	43	51.25	18.25	108	100	62	25.5	3-M10
VL-18 A15	6-M20	26	66	165	43	51.25	18.25	108	100	62	25.5	6-M24
VL-21 A11	6-M24	35	74	180	60	93.5	24.5	89	81	65	25	6-M20
VL-21 A15	6-M24	35	74	180	60	93.5	24.5	89	81	65	25	3-M12
VL-24 A11	6-M24	35	74	180	60	93.5	24.5	128	120	65	25	6-M20
VL-24 A15	6-M24	35	74	180	60	93.5	24.5	128	120	65	25	3-M12
VL-32 A15	6-M24	35	74	180	60	189.5	24.5	128	120	65	25	3-M12

性能参数 Performance parameters

规格 Spec.		楔心行程 mm	爪行程 (直径)mm	夹持直径 mm Chuck Dia		许用油缸推力	最大夹持力	最高回转数 min-l(r.p.m)	I	重量 kg	搭配油缸型号	最大使用压力 Mpa(kgf/cm²)
		Plunger Stroke	Jaw stroke (Dia.)	Max.	Min.	Max.D.B.pull KN(kgf)	Max.clamping force KN(kgf)	Max.speed	Kg.m²	Weight(kg)	Match oil cylinder model	Clamping range
VL-12	A8	30	12.7	304	22	41(4180)	156(15900)	3150	0.8	66	RK-150 RE-150	2.9(29)
VL-15	A8	35	16	381	30	81.9(8360)	245.1(125000)	2900	2.3	130	RK-200 RE-200K	3.2(32) 3.4(34)
VL-15	A11	35	16	381	30	81.9(8360)	245.1(125000)	2900	2.3	129		
VL-15	A15	35	16	381	30	81.9(8360)	245.1(125000)	2900	2.7	137		
VL-18	A8	35	16	450	80	81.9(8360)	245.1(125000)	2600	3.3	159		
VL-18	A11	35	16	450	80	81.9(8360)	245.1(125000)	2600	3.3	158		
VL-18	A15	35	16	450	80	81.9(8360)	245.1(125000)	2600	3.7	165		
VL-21	A11	35	16	530	62	81.9(8360)	271.6(27700)	1800	5.3	229		
VL-21	A15	35	16	530	62	81.9(8360)	271.6(27700)	1800	5.2	222		
VL-24	A11	35	16	610	136	81.9(8360)	271.6(27700)	1700	7.6	270		
VL-24	A15	35	16	610	136	81.9(8360)	271.6(27700)	1700	7.3	263		
VL-32	A15	35	16	610	136	81.9(8360)	271.6(27700)	1700	36.2	430		



- 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(H6) (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K max. (mm)	K min. (mm)	L (mm)
XJ06-3	165	85	140	104.8	5	6-M10	16	M16×2P	36	33	23	40
XJ08-3	210	95	170	133.4	5	6-M12	18	M20×2.5P	36	38	28	42
XJ10-3	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)
XJ06-3	30	35	22	58.4	54.8	70	48	38	35	20	M6
XJ08-3	40	40	26	70.8	67.2	84	68	54.6	45	25	M8
XJ10-3	46	50	32	85	79.6	100	65	50	55	30	M8

性能参数 Performance parameters

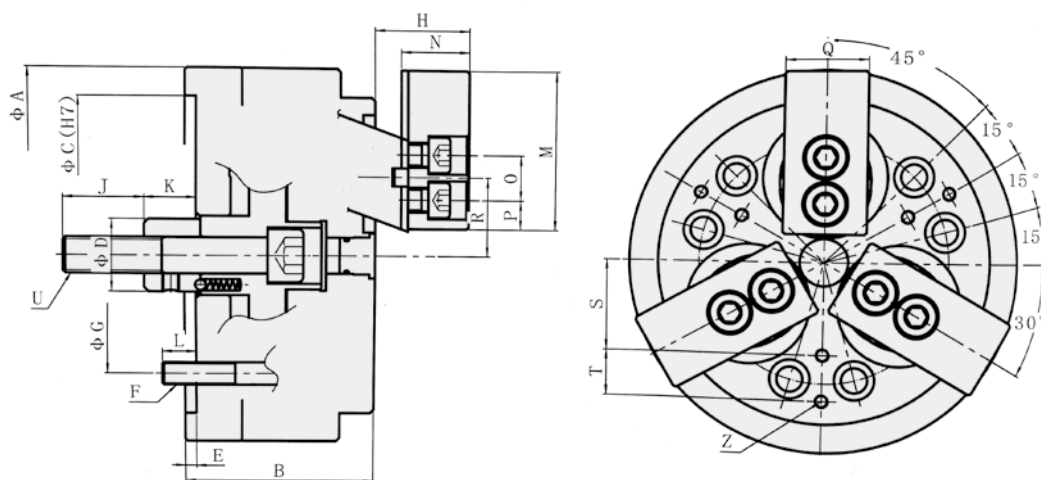
规格	柱塞行程	爪行程 (直径) mm	最高回转数 min-1(r.p.m)	最大拉力	最大静夹持力	搭配油缸型号	夹持范围	最高使用压力	重量 kg
Spec.	Plunger Stroke (mm)	Jaw Stroke (DIA.mm)	Max.speed	Max.Pull Force Kg/(kN)	Max.Gripping Force Kg/(kN)	Matching Cylinder	Gripping Range (mm)	Max.Pressure Kg/cm ² (Mpa)	Weight
XJ06-3	10	5.0	3500	1360(13.3)	3045(29.8)	RH100	30~160	22(2.2)	15
XJ08-3	10	7.2	3000	2500(24.5)	4820(48.2)	RH125	40~210	25.5(2.5)	7
XJ10-3	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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- 此卡盘有拽引加工物内径并卡住的特点，重视垂直度和平行度时使用，卡紧范围大；
 - 只更换顶部软爪能加工多种工件；
 - 重复定位精度可达：0.02mm以内。
- The chuck has the characteristics of pulling the inner diameter of processing materials and sticking, pay attention to perpendicularity and parallelism when used, clamping range is large.
 - Only replace the top soft claw can process a variety of workpiece;
 - Repeatable positioning accuracy: within 0.02mm.



尺寸参数 Size parameter

规格 Spec.	A (mm)	B (mm)	C(H7) (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K max. (mm)	K min. (mm)	L (mm)
XC06-3	165	80	140	32	5	6-M10	104.8	34~42	38	23	31	15
XC08-3	210	95	170	38	5	6-M12	133.4	45~55	36	25	35	15
XC10-3	254	110	220	50	5	6-M16	171.4	50~65	46	32	47	22

规格 Spec.	M (mm)	N (mm)	O (mm)	P max. (mm)	Q (mm)	R max. (mm)	R min. (mm)	S (mm)	T (mm)	U (mm)	Z (mm)
XC06-3	70	30	20	13	35	35	37.9	40	20	M16×2	6-M6
XC08-3	84	41	26	18	40	43	46.6	30	25	M20×2.5	6-M8
XC10-3	100	46	32	22	50	28	36	50	30	M24×3	6-M8

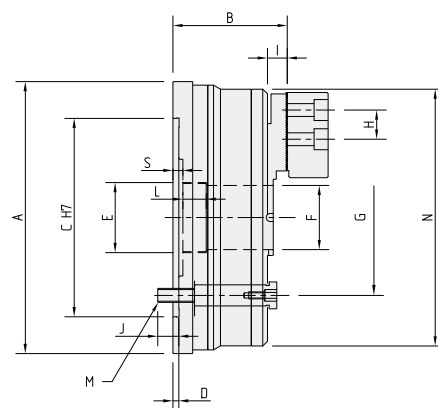
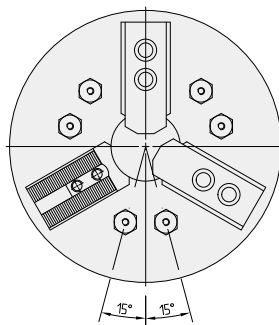
性能参数 Performance parameters

规格	柱塞行程	爪行程 (直径) mm	最高回转数 min-1(r.p.m)	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	Max.Pull Force Kgf(KN)	Max.Gripping Force Kgf(KN)	Matching Cylinder	Gripping Range (mm)	Max.Pressure Kgf/cm ² (Mpa)	Weight
XC06-3	8	5.8	5000	14.7	24.5	RH100	40~140	3.4	13
XC08-3	10	7.2	4500	24.5	44.1	RH125	48~180	3.5	26
XC10-3	15	10.8	4000	34.4	58.8	RH125	85~220	3.1	43.5

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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- 高精度油压后拉膜片三爪夹头。
 - 内藏抗离心设计，高转速7000RMP。
 - 夹头本体密封设计，防尘防水防削，精度高，使用寿命长。
 - 适合高精度零件加工。
 - 夹持力可以通过油缸拉力做精密微调。
 - 高同心度和重复精度0.005mm以内。
 - 适用与CNC车床，磨床,或其它的旋削机械，主要用途为车削，磨，铣等加工。
- High precision oil pressure pull back diaphragm three jaw chuck.
 - Built-in anti-centrifugal design, high speed 7000RMP.
 - Chuck body seal design, dustproof, waterproof and anti-cutting, high precision, long service life.
 - Suitable for high precision parts processing.
 - Clamping force can be fine-tuned by cylinder tension.
 - High concentricity and repetition accuracy within 0.005mm.
 - Suitable for CNC lathes, grinding machines, or other rotary cutting machinery, the main use for turning, grinding, milling and other processing.



尺寸性能参数 Size parameter & Performance parameters

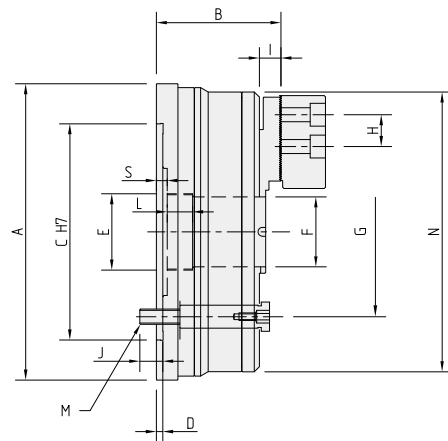
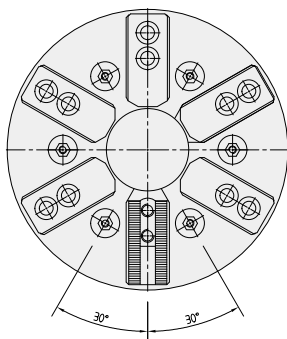
规格 Spec.	A	B	C	D	E	F	G	H	I	J
MP05-3	147	68	110	4.5	M40X1.5	33	82.6	14	13	35
MP06-3	182	87	140	5	M55X2.0	44	104.8	20	15	35
MP08-3	232	98	170	5	M60X2.0	50	133.4	25	17	35
MP10-3	267	105	220	5	M85X2.0	75	171.4	30	17	35

规格 Spec.	L	M	N	S	最高回转数 min-1(r.p.m)	允许油缸推力	重量
MP05-3	20	3-M10	136	0~+2	8000	1700Kgf	6KG
MP06-3	20	6-M10	170	0~+2	7000	2200Kgf	11KG
MP08-3	20	6-M12	217	0~+2	6000	3200Kgf	20KG
MP10-3	25	6-M16	256	0~+2	5000	4500Kgf	31KG

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.

- 高精度油压后拉膜片六爪夹头。
 - 内藏抗离心设计，高转速7000RMP。
 - 夹头本体密封设计，防尘防水防削，精度高，使用寿命长。
 - 适合高精度零件加工。
 - 夹持力可以通过油缸拉力做精密微调。
 - 高同心度和重复精度0.005mm以内。
 - 适用与CNC车床，磨床,或其它的旋削机械，主要用途为车削，磨，铣等加工。
- High precision oil pressure pull back diaphragm six jaw chuck.
 - Built-in anti-centrifugal design, high speed 7000RMP.
 - Chuck body seal design, dustproof, waterproof and anti-cutting, high precision, long service life.
 - Suitable for high precision parts processing.
 - Clamping force can be fine-tuned by cylinder tension.
 - High concentricity and repetition accuracy within 0.005mm.
 - Suitable for CNC lathes, grinding machines, or other rotary cutting machinery, the main use for turning, grinding, milling and other processing.



尺寸性能参数 Size parameter & Performance parameters

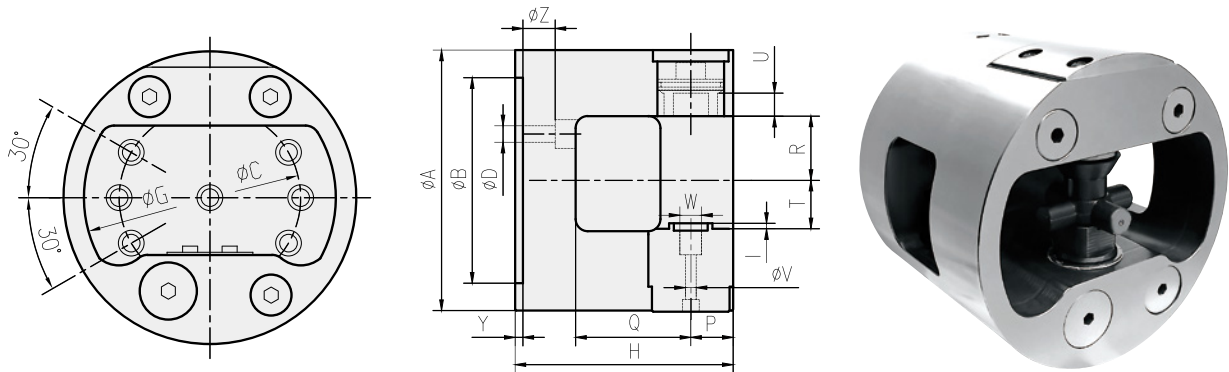
规格 Spec.	A	B	C	D	E	F	G	H	I	J
MP06-6	182	86	140	5	M55X2.0	44	104.8	14	13	35
MP08-6	233	98	170	5	M60X2.0	55	133.4	20	17	35
MP10-6	267	107	220	5	M85X2.0	83	171.4	25	17	35

规格 Spec.	L	M	N	S	最高回转数 min-1(r.p.m)	允许油缸推力	重量
MP06-6	20	6-M10	171	0~2	7000	2200Kgf	12KG
MP08-6	20	6-M12	220	2~5	6000	3200Kgf	22KG
MP10-6	25	6-M16	256	0~2	5000	4500Kgf	31KG

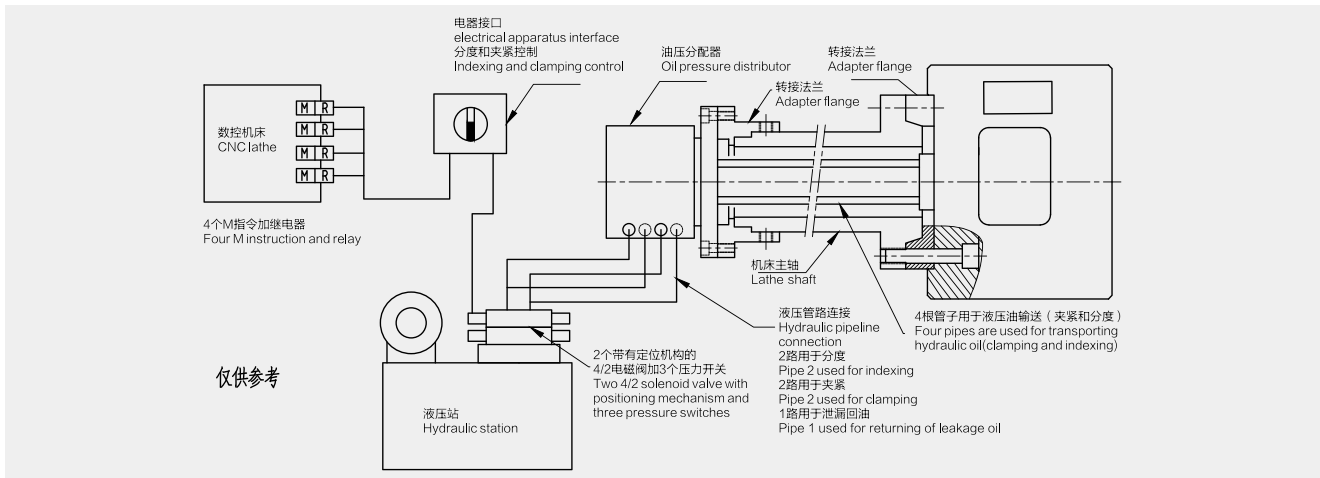
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The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

发明专利号：ZL 2014 1 0653828.7



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.

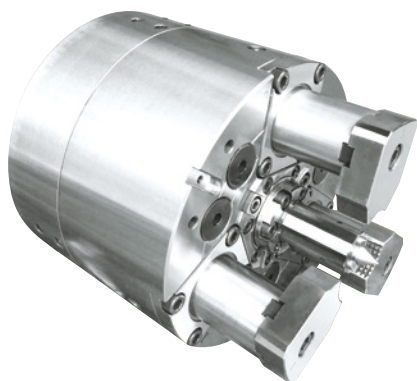
尺寸 Dimension		规格 Specification	KFD-168	KFD-210	KFD-235	KFD-250	KFD-280	KFD-315	KFD-360	KFD-400	KFD-460	KFD-570	KFD-680
	A	mm	172	215	235	254	275	315	360	400	460	570	680
	B	mm	140	170	170	220	220	220	220	300	300	380	380
	C	mm	104.8	133.4	133.4	171.4	171.4	171.4	171.4	235	235	330.2	330.2
	D	mm	11	13	13	17	17	17	17	21	21	27	27
最大轴向加载窗口 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	40	46	58	82	100	110	140	180	235
	T	mm	33	36	53	56	70	66	88	91	121	150	205
	卡爪行程 Jaw stroke	U	mm	9	15	15	17	17	23	23	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		cm ²	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
最高回转数 Max.speed		r.p.m	3000	3000	2800	2500	2200	2000	1700	1200	1000	800	600
转动惯量 Rotating moment		kg.m ²	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

- 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

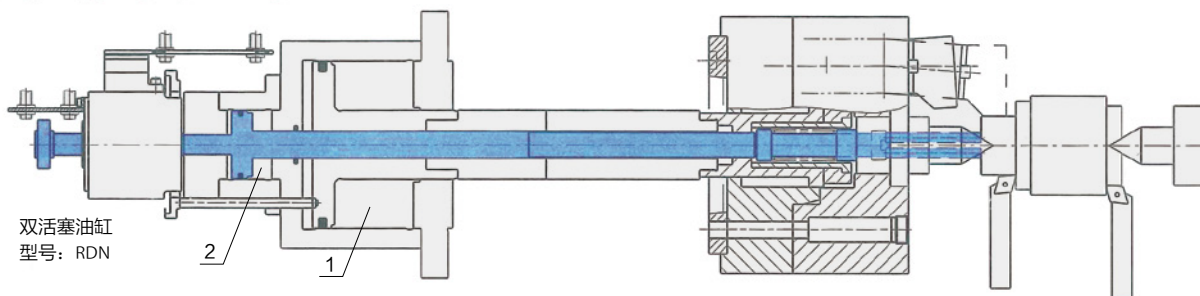
标准配置 Application scope

- 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

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

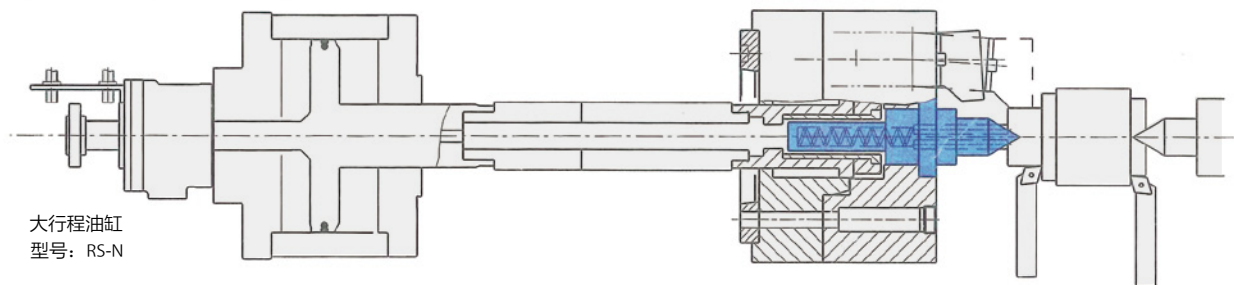
轴向以中心顶尖定位 – 动力驱动的端面驱动 Center Tip Positioning At Axial Direction – End Face Drive By Power Driving

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

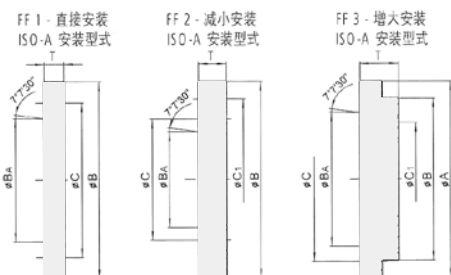


轴向以工件表面定位 – 弹簧驱动的端面驱动 Positioning based on work piece surface at axial direction – spring driven end face drive

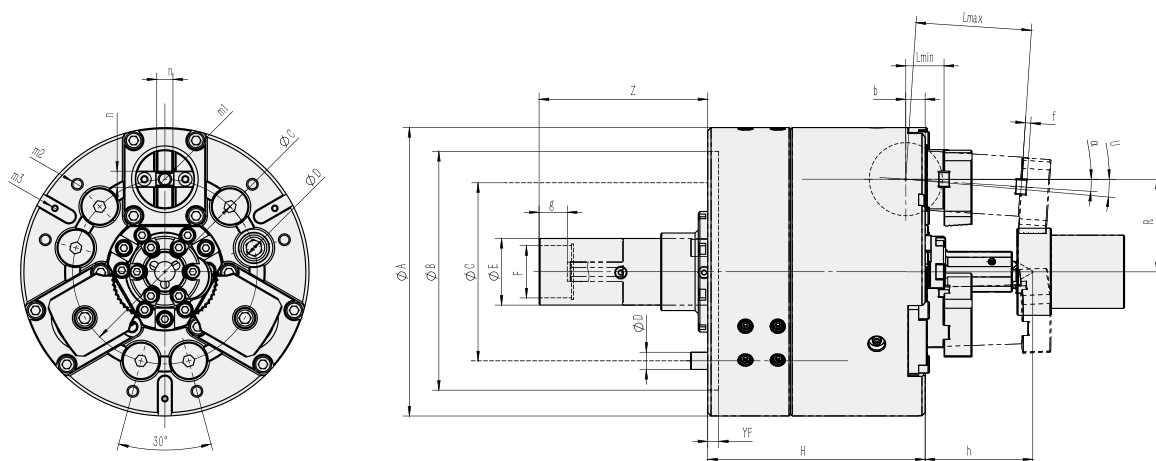
大行程油缸驱动 型号: RS-N Big Stroke Oil Cylinder Drive Model: RS-N



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
	Lmin.	mm	24	35	31.2
	Lmax.	mm	84	107	99
	R	mm	69	86	105
卡爪角行程 Claw angle stroke	U	deg.	5°	5°	5°
	YF	mm	9	10	10
	Zmin.	mm	78	78.5	73.5
	Zmax.	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
最高回转数 Max.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

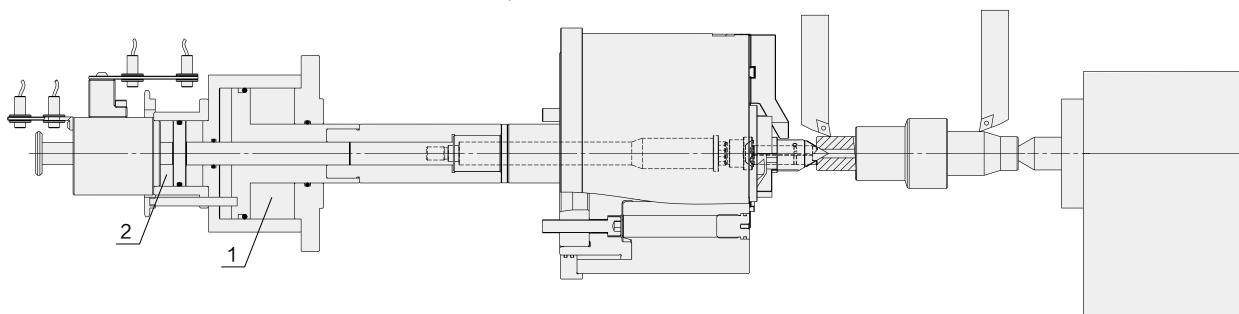
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

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



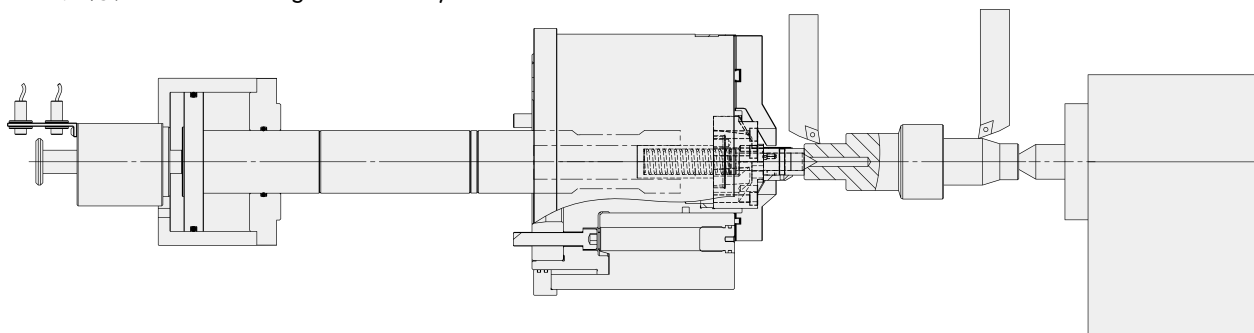
轴向以中心顶尖定位
Center Tip Positioning At Axial Direction

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

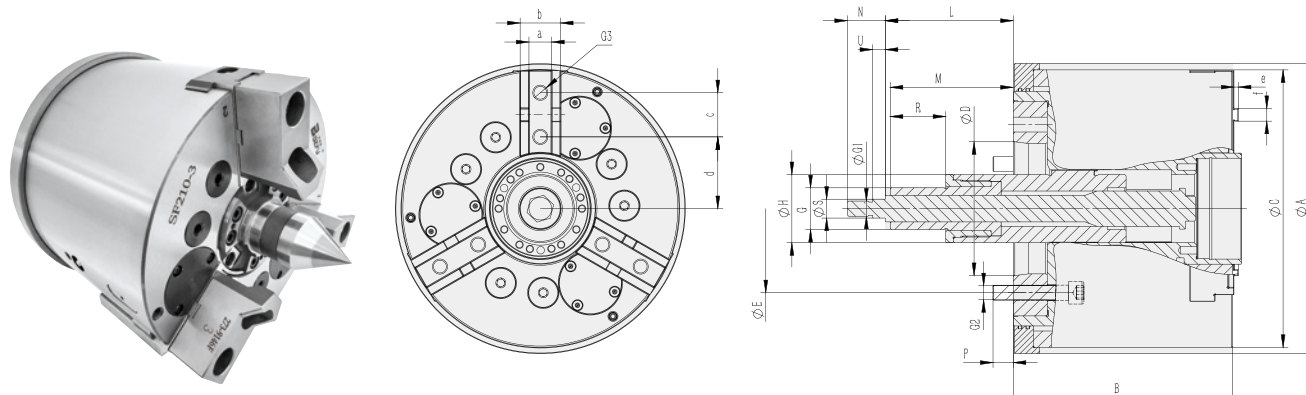
(端面驱动要根据工件来设计制作) (end face drive shall be designed and manufactured according to the work piece)

- 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

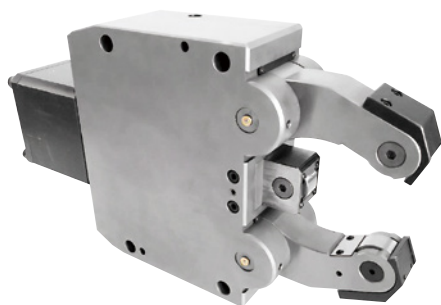


性能参数 Performance parameters

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		
最高回转数 Max.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	

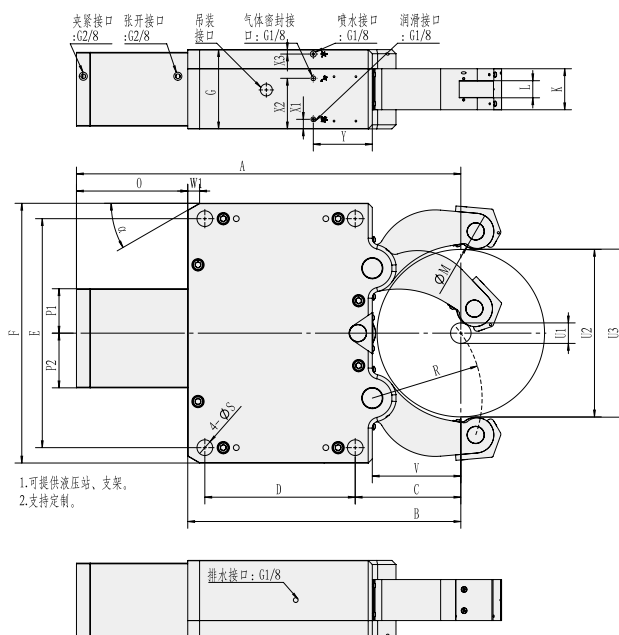
注：以上数据为标准参数，可根据客户要求提供个性化定制方案

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



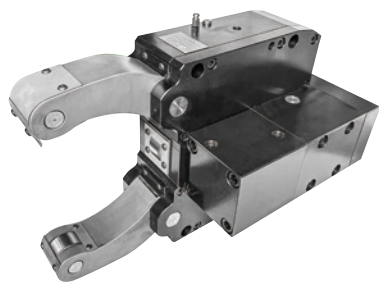
- 全密封自带铁屑防护罩；
- 内部集中润滑：润滑间隔2-5分钟
- 润滑压力范围：10-45bar
- 润滑油：HLP 46 DIN51502

- 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

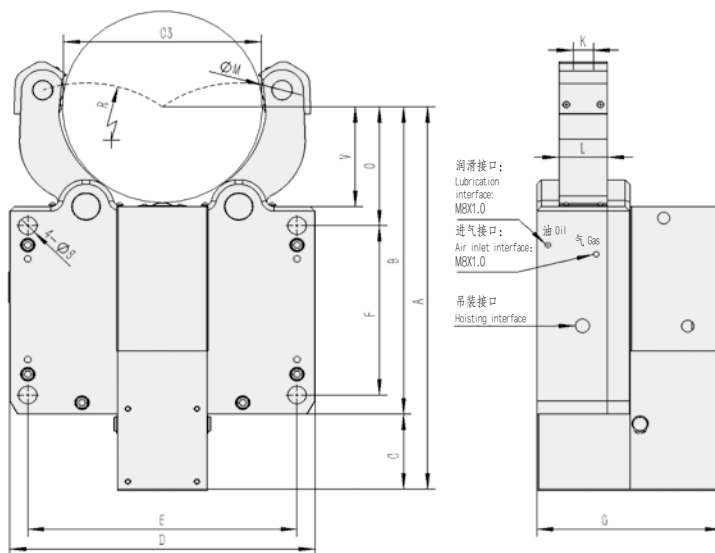


性能参数 Performance parameters

规格型号 Spec.		TSR4-61A	TSR8-101A	TSR12-152A	TSR20-165A	TSR50-200A	TSR30-245A	TSR45-310A	TSR85-350A	TSR120-460A	TSR185-545A
夹持范围带铁屑防护 Clamping range with iron filings protection	U1	4	8	12	20	50	30	45	85	120	185
	U2	61	101	152	165	200	245	310	350	460	545
最大开口 The maximum aperture	U3	61.7	101.96	152.48	166.31	201.07	245.83	311.09	351	459.78	546
	A	186	284	390	399	426	562.3	683.3	710.3	878	1030.5
	B	126	200	267.8	280	307	399.5	495	522	657	748.5
	C	45	70	114	108	122	154.5	187	207	266	312.5
	D	71	110	135	155	165	220	275	275	355	390
	E	117	198	258	258	253	335	400	380	480	550
	F	140	222	290	300	280	380	440	440	535	600
	G	63	75	95	95	95	110	145	145	166	196
手臂厚度 Arm thickness	K	28	35	45	45	45	60	75	75	75	82
滚子高度 Roller height	L	15	19	25	25	25	25	29	29	29	32
滚子直径 Roller diameter	M	24	35	47	47	47	52	62	62	80	100
	O	60	84	119	119	119	162.8	188.3	188.3	221	282
	P1	30	34	58.5	58.5	58.5	65	67	67	95	97
	P2	35	51	71.5	71.5	71.5	80	77	77	95	97
	R	46.9	75	111	115.3	133.6	160.6	198.7	220.8	283.7	340.5
固定螺栓孔径 Bolt aperture	S	11	14	18	18	18	23	23	23	27	27
	V	36	56	84	90	107	129.5	162	182	236	282.5
	W1	5.2	8.66	17.32	17.32	17.32	17.32	17.32	17.32	27.47	34.64
	α	30	30	30	30	30	30	30	30	20	30
	X1	11	10	12.75	12.75	12.75	14	15.25	15.25	22.75	28.5
	X2	36	43	48	48	57.75	74	90.25	90.25	83	110.5
	X3	/	/	7.6	7.6	7.6	6.5	7.1	7.1	14	25
	Y	27	40	75	75	65	86.3	85	65	110	72
活塞面积 Piston area	cm ²	7.00	19.63	50.00	50.00	50.00	63.60	78.50	78.50	122.60	176.63
操作油压 最大 / 最小 Operating oil pressure max./min.	bar	6/60	8/60	8/65	8/65	8/65	8/70	8/80	8/80	8/70	8/70
滚轮最大夹紧力 Max. clamping force of roller	daN	165	450	1000	1000	1000	1500	2000	2000	2900	4153.84
定心精度 Centering accuracy	mm	0.01	0.01	0.02	0.02	0.02	0.03	0.04	0.04	0.04	0.06
重复定位精度 Repeated positioning accuracy	mm	0.005	0.005	0.007	0.007	0.007	0.007	0.01	0.01	0.01	0.02
滚轮最大圆周线速 Max circumferential speed of roller	m/min	935	990	797.5	797.5	797.5	786.5	770	770	753.5	690
重量 Weight	kg	8.60	24.50	50.00	50.00	50.00	104.00	168.00	174.00	333.00	504.00



- 油缸松开夹紧接口:
TSR50-200B及以下为G2/8",
TSR120-460B及以下为G3/8", 以上为G4/8".
- 可提供支架。
- 支持定制带行程检测形式。
- Cylinder release clamping interface:
TSR50-200B and below for G2/8"
TSR120-460B and below for G3/8", The above is G4/8".
- Supports are available.
- Support customized belt travel detection form.

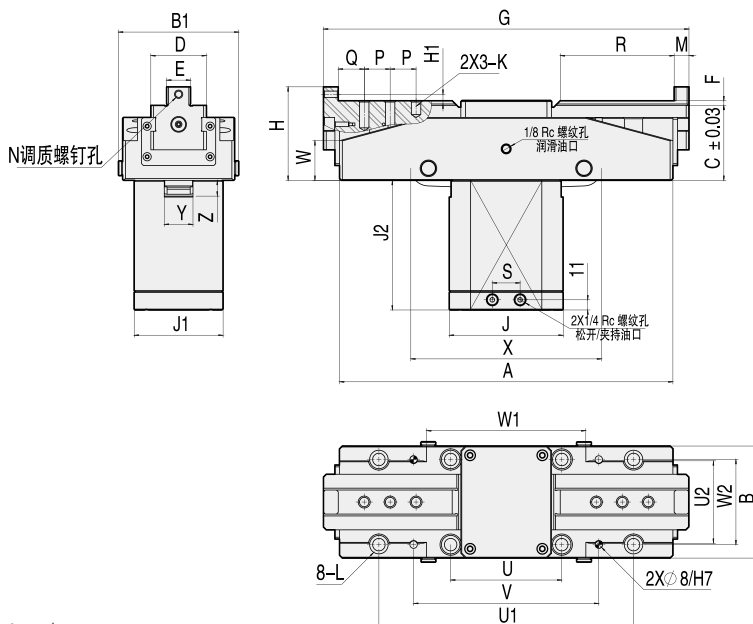
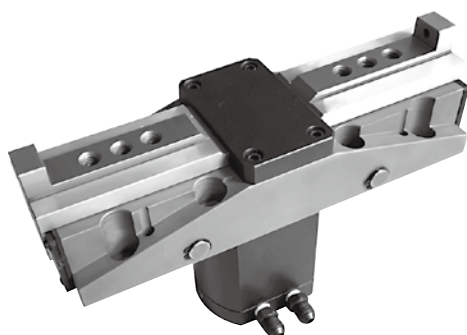


性能参数 Performance parameters

规格型号 Spec.		TSC12-152B	TSC20-165B	TSC50-200B	TSC30-245B	TSC45-310B	TSC85-350B	TSC120-460B	TSC185-545B
最小夹持直径 Min. clamping diameter	C1	12	20	50	30	45	85	120	185
最大夹持直径 Max. clamping diameter	C2	152	165	200	245	310	350	460	545
	C3	152.48	166.31	201.07	245.83	311.09	351	459.78	546
	A	354	362	387	499	597	617	769	852.5
	B	271	280	307	399.5	495	522	657	748.5
	C	83	82	80	99.5	102	95	112	104
	D	290	300	280	380	440	440	535	600
	E	258	258	253	335	400	380	480	550
	F	135	155	165	220	275	275	355	390
	G	190	190	190	230	270	270	330	390
	O	114	108	122	154.5	187	207	266	312.5
滚轮宽度 Roller width	K	25	25	25	25	29	29	29	32
手臂厚度 Arm thickness	L	45	45	45	60	75	75	75	82
滚轮直径 Roller diameter	M	47	47	47	52	62	62	80	100
	R	111	115.3	133.6	160.6	198.7	220.8	283.7	340.5
固定螺栓孔径 Bolt aperture	S	18	18	18	23	23	23	27	27
	V	84	90	107	129.5	162	182	236	282.5
活塞面积 Piston area	cm ²	19.63	19.63	19.63	50.24	78.50	78.50	78.50	123.00
操作油压 最大 / 最小 Operating oil pressure max./min.	bar	8/65	8/65	8/65	8/70	8/80	8/80	8/70	8/70
滚轮最大夹紧力 Max. clamping force of roller	kg	1100	1100	1100	1650	2200	2200	3850	3990
滚轮最大圆周线速 Max circumferential speed of roller	m/min	797.5	797.5	797.5	786.5	770	770	753.5	690
定心精度 Centering accuracy	mm	0.02	0.02	0.02	0.03	0.04	0.04	0.04	0.06
重复定位精度 Repeated positioning accuracy	mm	0.007	0.007	0.007	0.007	0.01	0.01	0.01	0.02
重量 Weight	kg	50.00	50.00	50.00	104.00	168.00	174.00	333.00	504.00

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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- 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

规格 Spec.	A	B	B1	C	D	E(h6)	F	G		H	H1	J	J1	J2	K	L
型号 Model								Max.	Min.							
CP-20	215	88	96	53	40	18	4	249	229	75	13	94	76	83.5	M10×1.5	M10
CP-30	280					327		297	196					M12×1.75		
CP-40	270					331		291	110							
CP-50	300	110	115	65	50	28	5	369	319	90	15	105	105	120	M14×2	M12
CP-70	360	120	126	89	55	32		441	365	114		130	115	146		

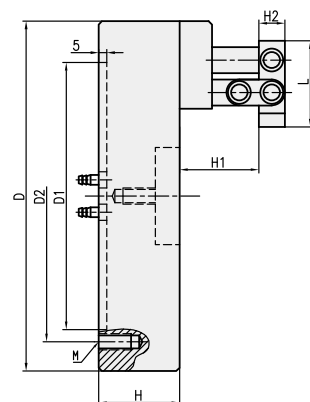
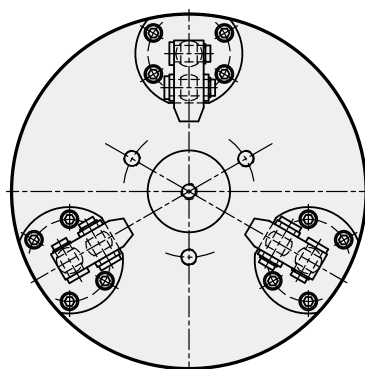
规格 Spec.	M	N	P	Q	R	S	T	U	U1	U2	V	W	W1	W2	X	Y	Z
型号 Model																	
CP-20	12	M6×1	18	20	66							32	110		150		4
CP-30	14		20	24	98	24	22	102	190	60	156	23	110	65	156	22	6
CP-40												25			150		10.5
CP-50	16	M8×1.25	21	28	102	30	32	105	230	85	195	29	140	80	180	30	10
CP-70			23		112		52	120	275	79	240	42	168	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	29.7	22.8	20	150	10(1020)	3.5(35)	9.5
CP-30			30	210	11.6(1180)		12
CP-40			40	200	11.6(1180)		18.5
CP-50	32.7	25.8	50	215	12.7(1290)		30
CP-70	46	36.7	70	235	15(1530)		

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

- 本产品适用于阀门类和异型类零件使用。
- 定位精度高，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

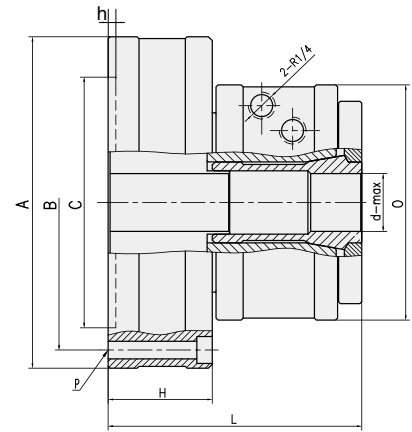
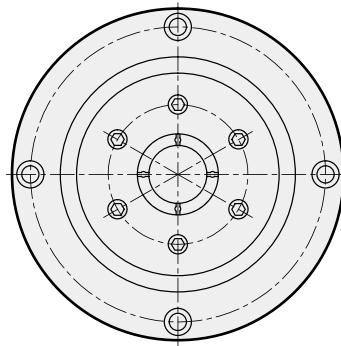
- 前置式动力缸，无需另配动力源（如气缸或油缸）。
- 压板可换，定位可换。
- 安装方便，结构新颖。
- Front-mounted power cylinder, need not to match power source (such as a gas cylinder or oil cylinder).
- The pressure plate can be changeable, and the positioning can be changeable.
- Easy installation, new structure.

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

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

- 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.



尺寸参数 Size parameter

规格 Spec.	A	B	C	O	H	L	P	h
KJT15	100	90	70	71	40	85	4-M6	5
KJT25	167	147	130	104	48	108	4-M8	5
KJT40	187	170	150	133	50	122	4-M8	5
KJT60	222	203	170	168	55	130	4-M10	5

性能参数 Performance parameters

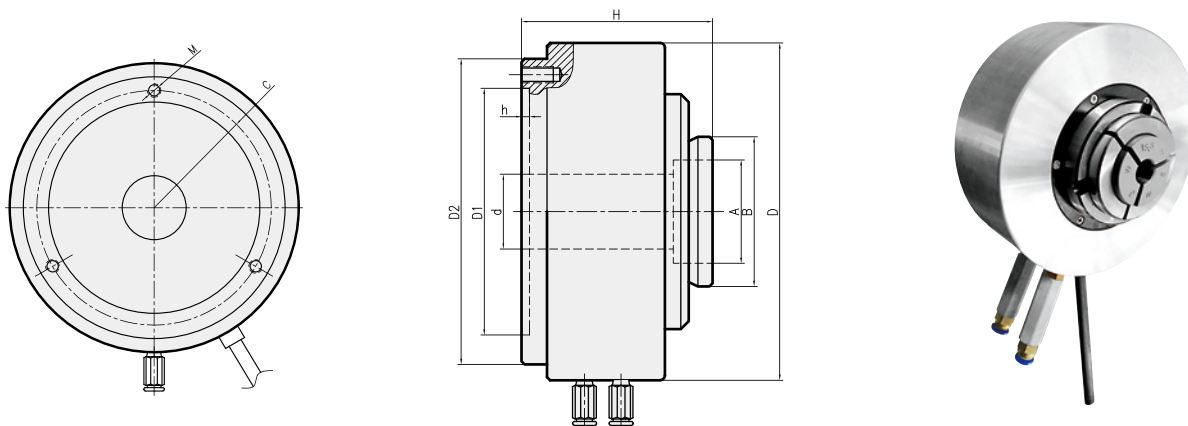
规格	最大转速 (r.p.m)	活塞面积 cm ²		适用夹头	夹头锥度	许用压力 Mpa	最大夹持圆直径 d-max	最大夹持正方形 d-max	最大夹持六角形 d-max	重量 kg
Spec.	Maximum speed (r.p.m)	押侧	拉侧	Apply to chuck	Chuck taper	Permissible pressure Mpa	Maximum clamping diameter d-max	Maximum clamping square d-max	Maximum clamping hexagon d-max	Weight
KJT15	4000	39.5	37	YB-15	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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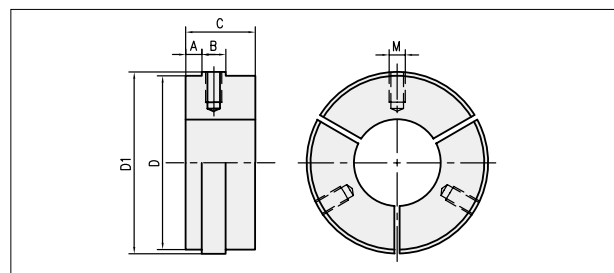
KJA-Q 前置式中空筒夹

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.



尺寸 Dimension	规格 Spec.	KJA25-Q	KJA40-Q	KJA70-Q
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
KJA90-Q										

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
KJA90-Q							

* 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

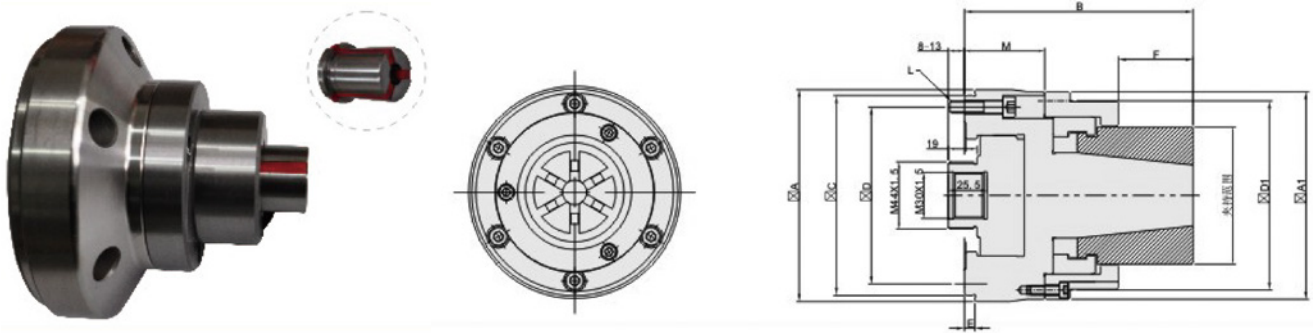
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

KZJ 后拉式橡胶内胀夹头 (盲孔型)

Pull-Back Rubber Inner Expansion Chuck (Blind Hole Type)



- KZJ型内胀夹头是后拉式动作，装上挡料块绝对的定位于挡料块作轴向定位，因为筒夹后拉，全面贴合夹头本体，定靠住止动装置，形成稳定牢固的夹持力，若夹持较短型工件，夹持力具备相同效率。
- 采用分片式筒夹，筒夹的锥面完全贴合与夹头本体，因此形成一个组合式的实体夹具，使得加工刚性，机械稳定性，夹持精度都得到很大的提高。
- 适用与 CNC 车床，专用机，或其它的旋削机械，主要用途为车削，磨，铣等加工。
- 高同心度和重复精度 0.01mm 以内。
- 可增加安装气密检测装置。
- 适合盲孔夹持。
- KZJ type inner expansion chuck is featured by back pull action. After being fitted with the baffle plate and accurately positioned in axial positioning. After being pulled back, the collet chuck fully fits the chuck and relies on the stop device, forming stable and firm clamping force. The clamping force efficiency is generally the same even when short workpiece is clamped.
- The cone of piecewise chuck completely fits with the chuck, forming a combined solid fixture. The processing rigidity, mechanical stability and clamping accuracy are therefore greatly improved.
- The machine can be used in combination with CNC lathes, special machines, or other rotary turning machinery for turning, grinding, milling etc.
- High concentricity and repeatability within 0.01mm.
- Air tightness detection device can be added.
- Suitable for blind hole clamping.



尺寸参数 Size parameter

规格型号 Spec.	A	A1	B	C(h6)	D	D1	E	F	M	L
KZJ212-XX	139	114	95	131	116	53(3*M5)	7	14	45	6-M8X30
KZJ212-X	139	114	97	131	116	57(3*M5)	7	14	49.5	6-M8X30
KZJ212-200	139	86	112	131	116	70(3*M6)	7	21	51.5	6-M8X40
KZJ212-210	139	90	117	131	116	75(3*M6)	7	25	51.5	6-M8X30
KZJ212-220	139	105	133	131	116	90(3*M6)	7	40	51.5	6-M8X40
KZJ212-230	139	120	140	131	116	104(3*M6)	7	44.5	53	6-M8X40
KZJ212-240	139	140	150	131	116	124(3*M6)	7	52.5	53	6-H8X40
KZJ212-250	230	195	175	219	192	176(3*M8)	14	65	65	6-M10X40

性能参数 Performance parameters

规格型号 Spec.	夹爪行程 mm Gripper stroke	夹持范围 mm Clamping range	筒夹开合量 mm Collet chuck opening and closing amount	允许油缸推力 KN (kgf) Allowable cylinder thrust	最大夹持力 KN (kgf) Maximum clamping force	最高回转数 min-1(r.p.m) Max.speed	使用筒夹 Collet chuck used	重量 KG Weight
KZJ212-XX	5	13~18	-0.25~+0.25	8(816)	56(5712)	7000	HJ-XX	5
KZJ212-X	5	16~21	-0.25~+0.25	8(816)	56(5712)	7000	HJ-X	5
KZJ212-200	5.5	20~28	-0.3~+0.4	8(816)	56(5712)	7000	HJ-2000	5
KZJ212-210	5.5	26~38	-0.3~+0.5	10(1020)	70(7140)	6000	HJ-2100	6
KZJ212-220	5.5	36~54	-0.4~+0.6	18(1836)	126(12852)	5500	HJ-2200	7
KZJ212-230	5.5	50~80	-0.4~+0.6	22(2244)	154(15708)	5500	HJ-2300	8
KZJ212-240	6	69~100	-0.4~+0.6	30(3060)	210(21420)	5500	HJ-2400	10
KZJ212-250	6	100~130	-0.5~+0.6	40(4080)	280(28560)	5000	HJ-2500	30

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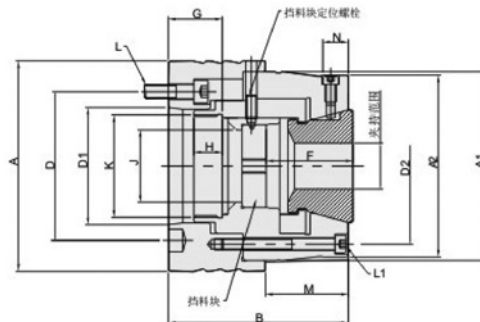
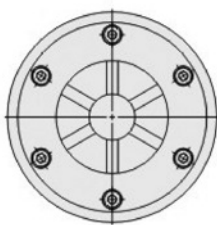
KTJ 后拉式橡胶筒夹夹头（定位型）

Back Pull Rubber Collet Chuck(Positioning Type)



- 通 / 止动型夹头是后拉式动作，装上挡料块绝对的定位于挡料块作轴向定位，因为筒夹后拉，全面贴合夹头本体，定靠住止动装置，形成稳定牢固的夹持力，若夹持较短型工件，夹持力具备相同效率。卸下挡料块即可作通孔使用。
- 采用分片式筒夹，筒夹的锥面完全贴合与夹头本体，因此形成一个组合式的实体夹具，使得加工刚性，机械稳定性，夹持精度都得到很大的提高。
- 适用与 CNC 车床，专用机，或其它的旋削机械，作棒材或心轴加工。
- 可增加安装气密检测装置。
- 安装连接方式与中空夹头一样，且可与之互换，不必更改拉杆。
- 全面防水设计，防止切削水，铁屑进入主轴通孔处。

- The through/stop type chuck is featured by back pull action. After being fitted with the baffle plate and accurately positioned in axial positioning. After being pulled back, the collet chuck fully fits the chuck and relies on the stop device, forming stable and firm clamping force. The clamping force efficiency is generally the same even when short workpiece is clamped. The chuck can be used as a through-hole after removing the baffle plate.
- The cone of piecewise chuck completely fits with the chuck, forming a combined solid fixture. The processing rigidity, mechanical stability and clamping accuracy are therefore greatly improved.
- The machine can be used in combination with CNC lathes, special machines, or other rotary turning machinery for bar or mandrel processing.
- Air tightness detection device can be added.
- The collet chuck is installed in the same way as the hollow chuck, and can be interchangeable with hollow chuck without changing the pull rod.
- Comprehensive waterproof design may prevent cutting water and scrap iron from entering the spindle through hole.



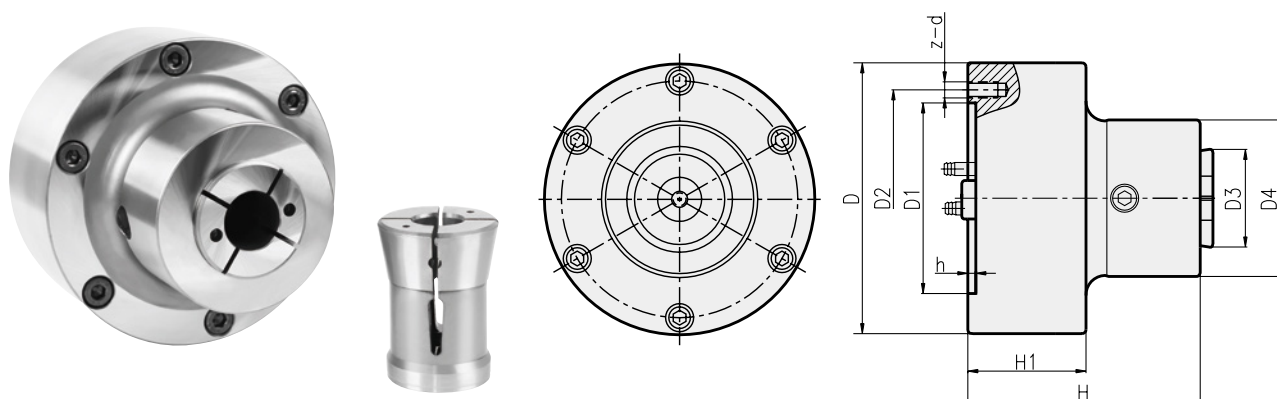
尺寸参数 Size parameter

规格型号 Spec.	A	A1	A1(h6)	B	D	D1	D2	F	Gmax.	Gmin.	H	J	K	L	L1	M	N
KTJ-32	A4	118	114	78	125	82.6	94	58	38.5	32	18	32.5	M52X1.5	6-M10X25	6-M8X45	61.5	15
KTJ-32	A5	131				104.8			38.5	32				6-M10X35			
KTJ-42	A5	146	131	125	128	104.8	107	58	40.5	35.5	18	42.5	M70X1.5	6-M10X35	6-M8X75	55.5	18
KTJ-42	A6	165				133.4			40.5	35.5				6-M12X35			
KTJ-52	A5	148	133	128	128	104.8	110	58	40.5	35.5	18	52.5	M72X1.5	6-M10X35	6-M8X80	58.5	18
KTJ-52	A6	165				133.4			40.5	35.5				6-M12X35			
KTJ-65	A6	167	148	145	135.5	133.4	126	68	39.5	34.5	18	65.5	M100X1.5	6-M12X55	6-M8X85	65	22
KTJ-65	A8	210				171.4			39.5	34.5				6-M16X55			
KTJ-80	A6	188	168	164	140.5	133.4	142	70	45.5	40.5	18	80.5	M102X1.5	6-M12X25	6-M10X85	65	22
KTJ-80	A8	210				171.4			45.5	40.5				6-M16X40			
KTJ-100	A6	235	202	172	163	133.4	205	76	54	46	18	101	M132X1.5	6-M12X30	6-M10X45	55	22
KTJ-100	A8	235				167			57	49				6-M16X30			

性能参数 Performance parameters

规格型号 Spec.	套筒行程 mm Sleeve stroke	最大夹持直径 mm Maximum clamping diameter	允许油缸推力 KN (kgf) Allowable cylinder thrust	最大夹持力 KN (kgf) Maximum clamping force	最高回转数 min-1(r.p.m) Max. speed	使用筒夹 Collet chuck used	重量 KG Weight
KTJ-32	A4	5.5	6~32	24.5(2500)	56.8(5800)	7000	SK32
KTJ-32	A5						
KTJ-42	A5	5	6~42	31.3(3200)	73.5(7500)	7000	SK42
KTJ-42	A6						
KTJ-52	A5	5	6~52	34.3(3500)	79.4(8100)	7000	SK52
KTJ-52	A6						
KTJ-65	A6		6~65	44.1(4500)	103(10500)	6000	SK65
KTJ-65	A8						
KTJ-80	A6	5	16~80	49(5000)	113.7(11600)	5500	SK80
KTJ-80	A8						
KTJ-100	A6	8	40~100	60.7(6200)	142(14500)	5000	SK100
KTJ-100	A8						

- 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.



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

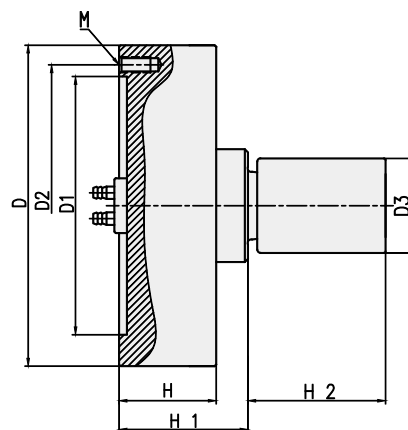
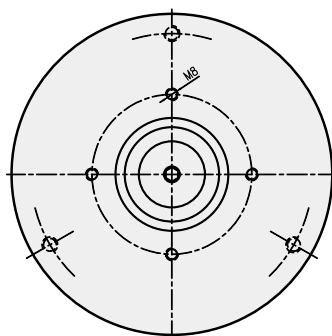
规格	最大夹持力 (KN/kgf)	最大转速 (r.p.m)	许用压力 Mpa	最大夹持圆直径 d-max	最大夹持正方形 d-max	最大夹持六角形 d-max	重量 kg
Spec.	Maximum (KN/kgf)	Maximum speed (r.p.m)	Permissible pressure Mpa	Maximum clamping diameter d-max	Maximum clamping square d-max	Maximum clamping hexagon d-max	Weight Kg
KJS130	21/2142	3800		22	16	20	7
KJS160	40/4080	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

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

- 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

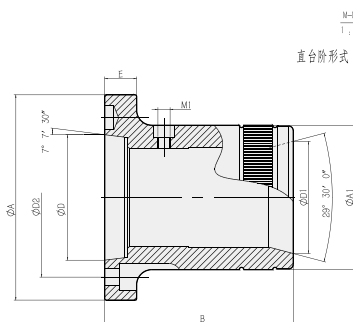
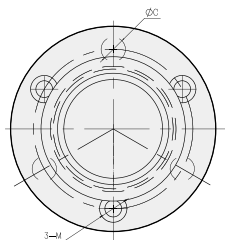
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

- 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、高转速及高刚性筒夹型结构。
- 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.



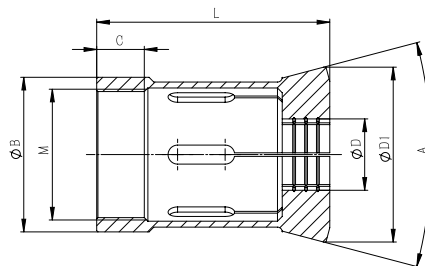
尺寸参数 Size parameter

规格 Spec.	A	A1	D	D1	D2	B	E	M1	C	3-M (安装孔)
CX36A4	110	80	63.513	58.5	82.6	115	20	M6	15	3-M10
CX46A5	132	95	82.563	73.5	104.8	120	22	M8	16	3-M10
CX52A6	158	100	106.37	78	133.4	120	30	M10	16.5	3-M12
CX65A6	158	113	106.37	97	133.4	125	30	M10	20	3-M12

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	最高回转数 min-1(r.p.m)	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	Max. Service pressure
CX36A4	6	36	25	30	TK536	5000	2.5(25)
CX46A5		46	32	36	TK646	4000	2.8(28)
CX52A6		52	37	45	TK852	4000	3.0(30)
CX65A6		65	46	57	TK1075	3500	3.2(32)

后拉弹簧夹头 Back-pull spring chuck



规格 Spec.	D1	B	C	M	L	D Max		
						●	■	●
SG36	64	56	27	M44×2	100	36	27	32
SG46	74	65	27	M55×2	105	46	35	42
SG52	79	70	27	M60×2	105	52	39	44
SG65	95	82	27	M75×2	115	65	47	57

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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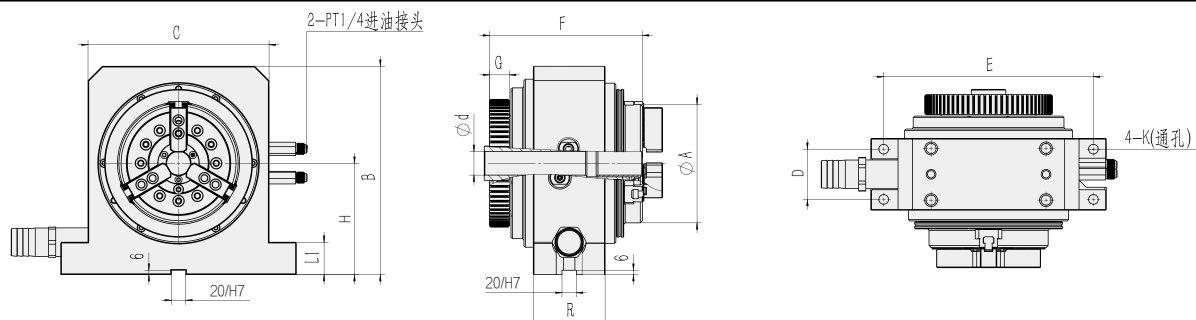
技术特点 Technical features

- 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.

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	168	315	285	96	325	245	30-8M70T	165	18	45	38	130
KJ200T-3	215	350	310	96	350	272	30-8M80T	195	18	52	38	130
KJ250T-3	254	365	335	131	375	302	43-8M96T	195	18	75	35	171
KJ320T-3	330	416	366	106	406	289	43-8M106T	215	22	101	45	152
KJ400T-3	420	530	510	120	555	428.5	43-8M148T	270	22	140/160	45	198

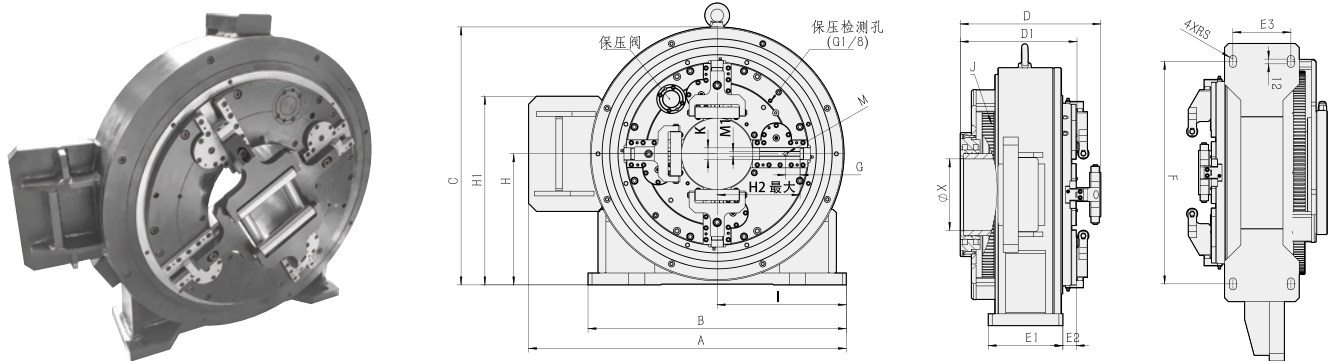
性能参数 Performance parameters

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	7.2	140	15kg/cm ²	8kg/cm ²	2000	5-200	25-220	139
KJ250T-3	8.8	150	15kg/cm ²	8kg/cm ²	1600	10-260	30-260	165
KJ320T-3	9.8	176	15kg/cm ²	8kg/cm ²	1200	20-310	50-330	219
KJ400T-3	10.6	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.

- 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

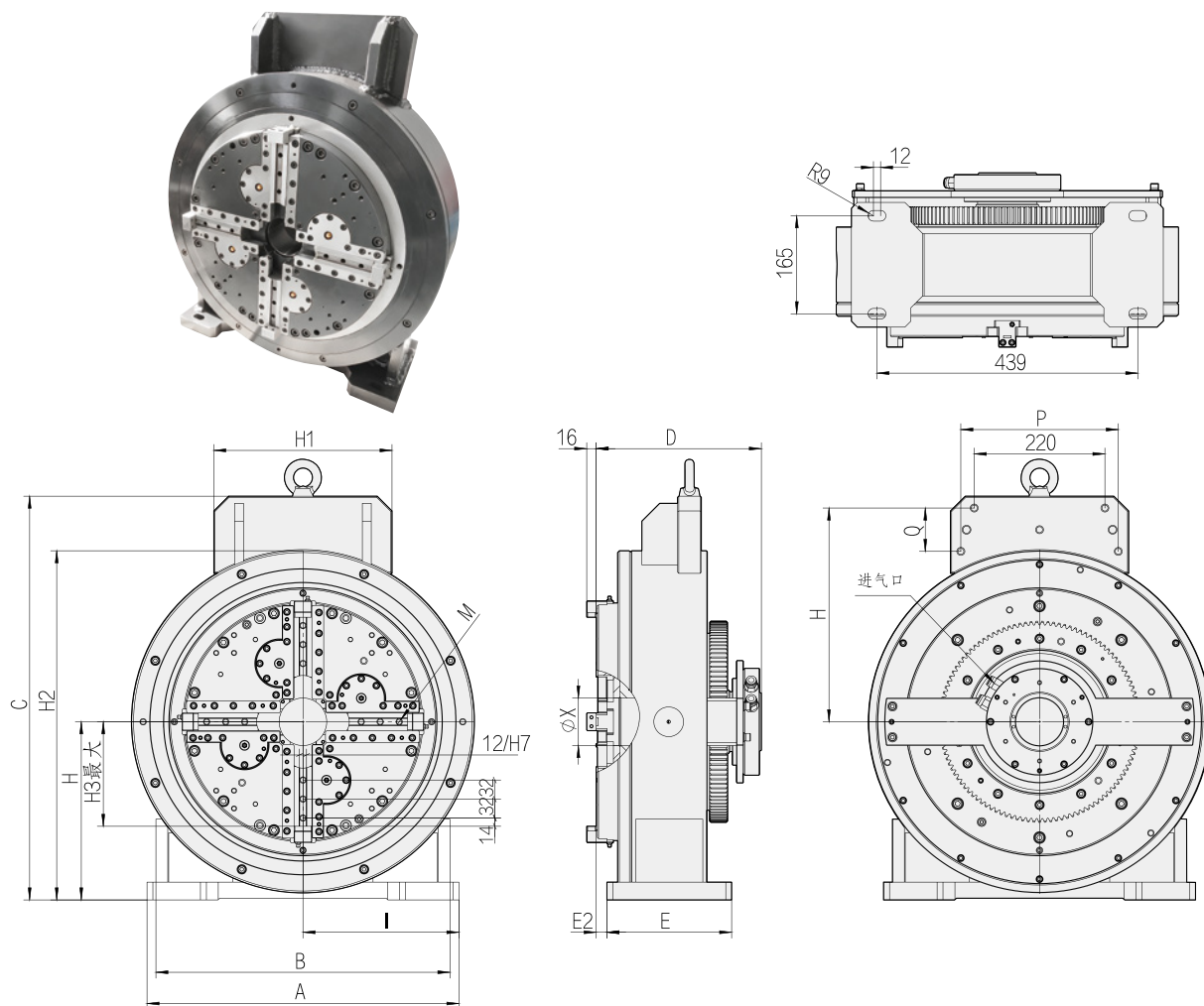
规格 Spec.	JQ120-2+2	JQ180-2+2	JQ230-2+2	JQ280-2+2	JQ330-2+2	JQ500-2+2
A	730	800	822	855	900	1210
B	600	650	650	650	680	1080
C	590	650	700	755	830	1089
X	120	180	230	280	330	500
H	305	330	360	385	430	560
H1	405	475	505	530	580	690
H2	175	208	233	251	276	503
D	354	354	354	354	354	354
D1	294	294	294	294	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.

- 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

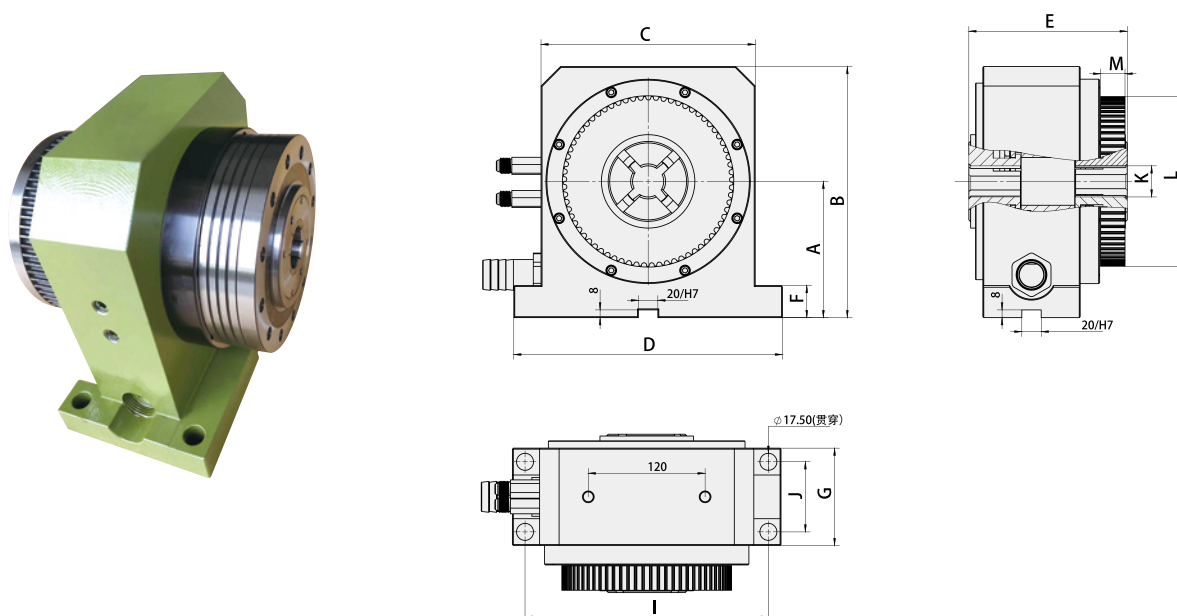
规格 Spec.	A	B	C	X	H	H1	H2	H3	H4	D
JH500-2+2	525	495	680	80	300	300	588	176	360	278
	E	E2	I	J	P	Q	M	M1	重量 /Kg	惯量 /Kg/m ²
	210	18	262.5	111*3	265	73	M10	M12	304	3.9

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

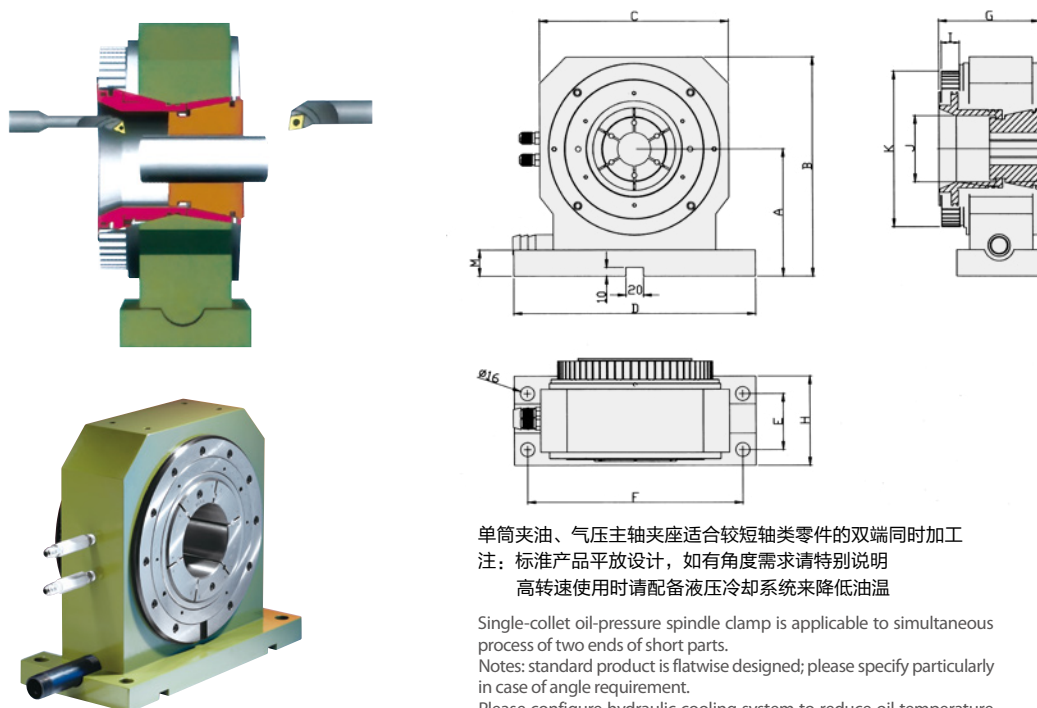
规格	驱动形式	最高回转数 min-1(r.p.m)	最高使用压力	夹持扭力	夹持直径	筒夹选配规格	重量 kg
Spec.	Power source	Max.speed	Max. pressure	Clamping torque	Clamping range	Spec. of collet	Weight
KJM25D-170	油压	2500	20kg/cm ²	5000kg-15kg/cm ²	Ø5-Ø25	ER-40T	-
KJM35D-220	油压	2200	20kg/cm ²	5800kg-15kg/cm ²	Ø5-Ø35	ER-40T	-
KJM50D-220	油压	1800	20kg/cm 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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Beijing Shuangfengli Technology Co., Ltd.
https://www.bjsljkj.cn

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



单筒夹油、气压主轴夹座适合较短轴类零件的双端同时加工

注：标准产品平放设计，如有角度需求请特别说明

高转速使用时请配备液压冷却系统来降低油温

Single-collet oil-pressure spindle clamp is applicable to simultaneous process of two ends of short parts.

Notes: standard product is flatwise designed; please specify particularly in case of angle requirement.

Please configure hydraulic cooling system to reduce oil temperature when it is used in high rotation speed.

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	最高回转数 min-1(r.p.m)	夹持范围	动力源	最高压力	夹持扭力	重量 kg
Specification	Spec. of collet	Max.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

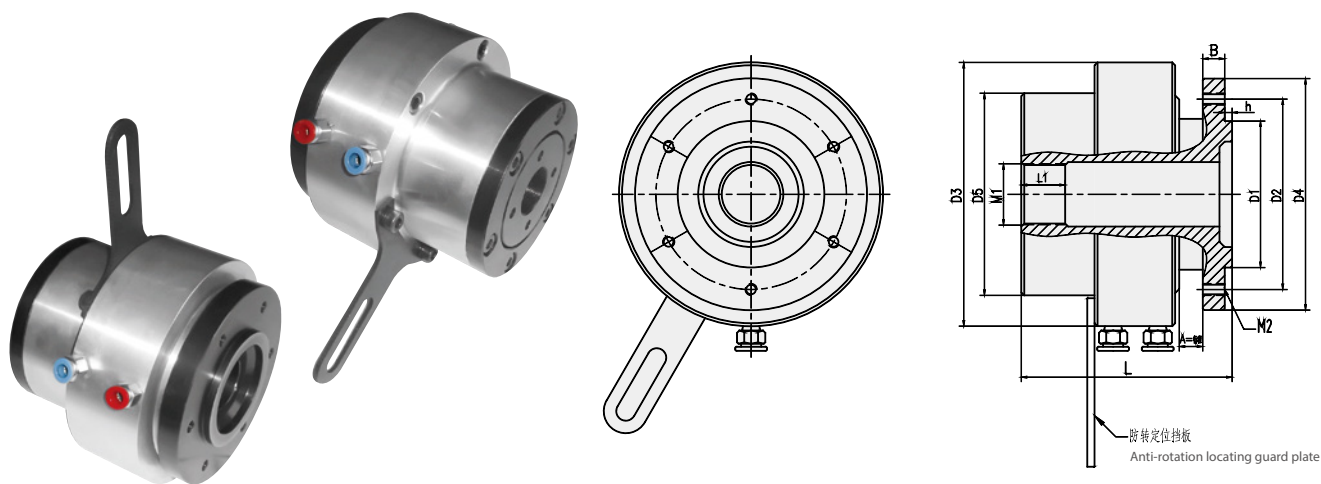
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

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.



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

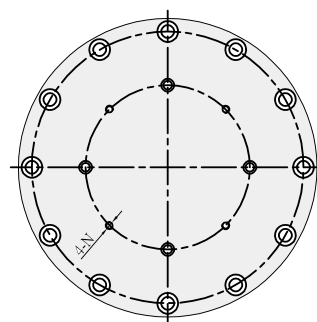
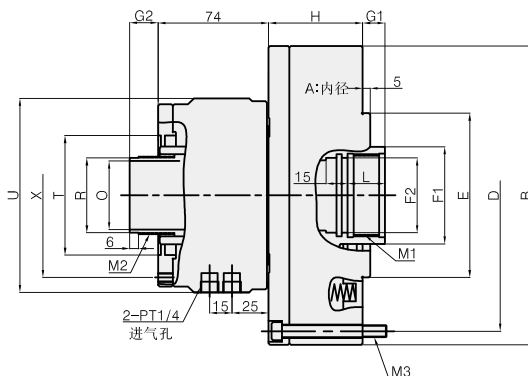
规格	活塞行程 (A)	拉杆最大孔径 (直径)	最大推拉力 Kgf (kN)	许用压力 Mpa	极限转速 r/min	重量 kg
Spec.	Piston stroke	Maximum aperture of draw bar (diameter)	Max. push-pull force Kgf (kN)	Permissible pressure Mpa	Max. speed	Weight
KH130T	12	26	591 (5.8)	0.4-0.8 (8)	4000	8.8
KH150T	15	34	754 (7.4)	0.4-0.8 (8)	3500	11.6
KH175T	15	42	1224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

- 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.		
RQ90	90	112	100	65	22	16	4	0	20	16	41	20
RQ130	130	160	143	110	45	36.5	4	0	30	26	47	25
RQ150	150	180	163	110	65	50	15	0	35	20	64	30

规格 Spec.	M1	M2	M3	O H7	N	R	T	U	X
RQ90	M18X1.5	M22X1.5	6-M6X65	16	4-M4	20	-	67	-
RQ130	M38X1.5	M44X1.5	6-M8X65	34	4-M4	42	70	92	85
RQ150	M55X2	M52X1.5	6-M8X70	46	4-M4	50	82	108	97

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	Max.speed	Maximum working pressure	推侧 Push the side	拉侧 Pull side	GD2 kg.m ²	Weight
RQ90	59.8	59.8	4	4500	0.8(8)	430(4.2)	430(4.2)	0.01	2.3
RQ130	114.9	114.6	4	4500	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

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

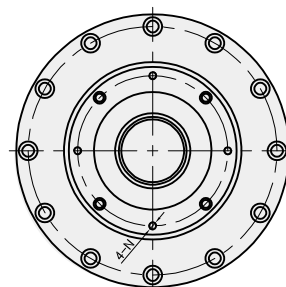
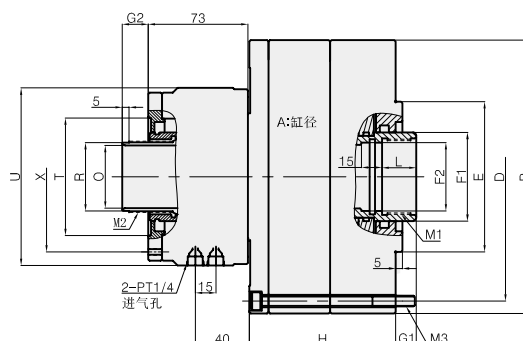
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

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	45	36.5	12	0	38	23	105	25
RQ150B	150	180	163	110	65	50	15	0	35	20	105	25

规格 Spec.	M1	M2	M3	O H7	N	R	T	U	X
RQ130B	M38X1.5	M44X1.5	6-M8X100	34	-	42	74	92	85
RQ150B	M55X2	M52X1.5	6-M8X110	45	M4X10	50	86	108	97

性能参数 Performance parameters

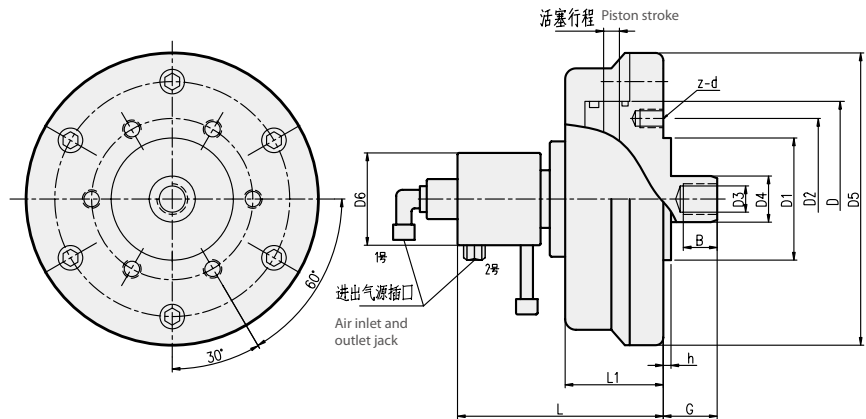
规格 Spec.	活塞面积 cm ² Piston area cm ²		行程 mm	最高回转数 min~1(r.p.m)	最高使用压力 MPa(kgf/cm ²)	最大推拉力 kgf (KN)		GD2 kg.m ²	重量 kg
型号 Model	押侧 Press side	拉侧 Pull side	Stroke	Max.speed	Maximum working pressure	推侧 Push the side	拉侧 Pull side	GD2 kg.m ²	Weight
RQ130B	223.03	219.30	12	5000	0.8(8)	1784.2(17.5)	1752.2(17.2)	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

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.

- 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.



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.				
KH110	110	65	90	M16	30	140	60	30	27	15	4	127	68	6-M8
KH130	130	65	90	M16	30	160	60	30	32	17	4	130	71	6-M8
KH160	160	80	100	M20	32	196	60	30	33	13	5	138	80	6-M10
KH200	200	100	130	M24	32	236	60	35	44	24	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
KH110	12	0.4-0.8	4500	7.0	4
KH130	15	0.4-0.8	4000	11.5	5
KH160	20	0.4-0.8	3500	15.4	7.6
KH200	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

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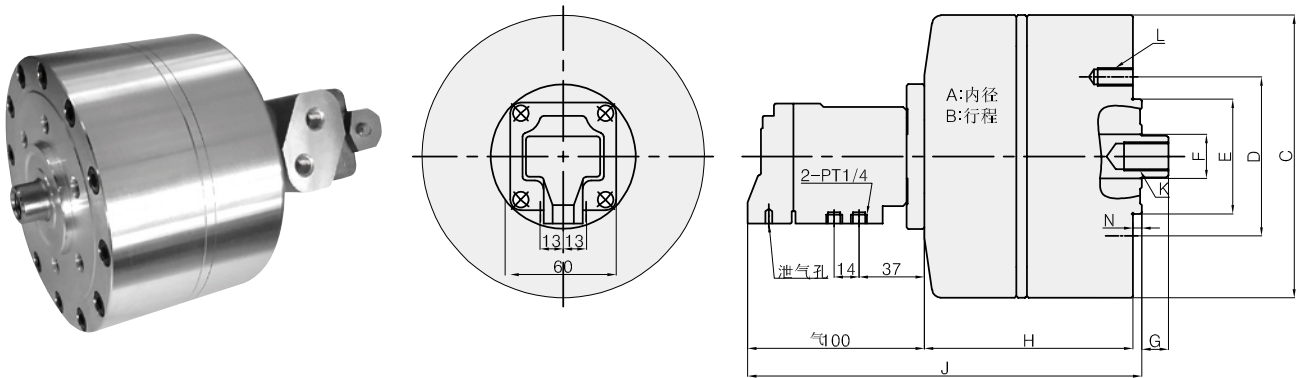
KH-B 中实双活塞气缸

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	L
							Max.	Min.					
KH130B	130	12	160	90	65	25	45	30	113	221	M16X25	5	6-M8
KH150B	150	20	180	125	100	30	31	11	132.5	232.5	M20X30	5	6-M10
KH160B	160	25	195	145	100	32	41	16	152	264	M20X30	5	6-M12
KH200B	200	31	238	145	100	36	44	14	169	280	M24X35	5	6-M12

性能参数 Performance parameters

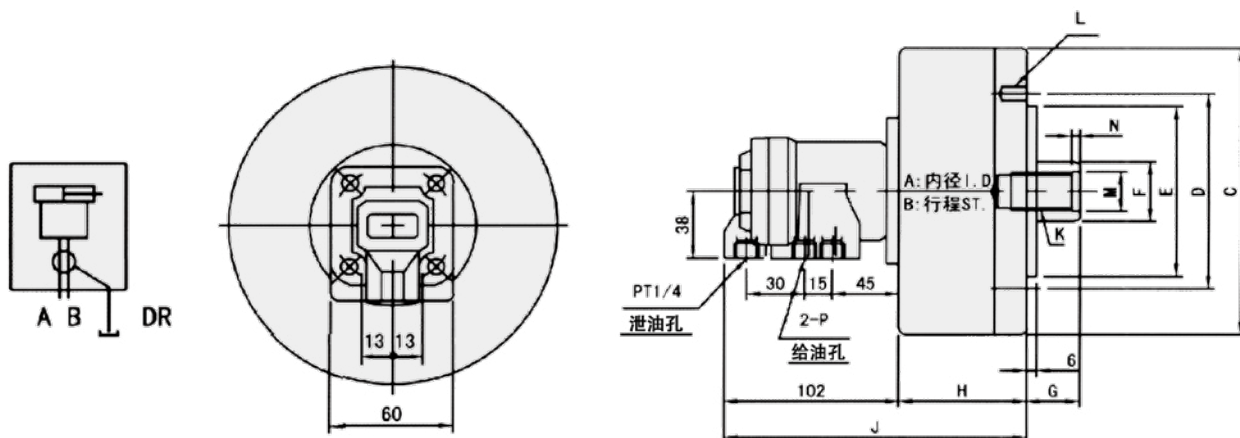
规格 Spec.	活塞面积 cm ² Piston area cm ²		行程 mm	最高回转数 min-1(r.p.m)	最高使用压力 MPa(kgf/cm ²)	最大推拉力 kgf (KN)		惯量 kg.m ²	重量 kg
型号 Model	压侧 Press side	拉侧 Pull side	Stroke	Max speed	Maximum working pressure	压侧 Press side	拉侧 Pull side	inertia	Weight
KH130B	251.2	247.9	15	4000	8(0.8)	2009(20.09)	2000(20)	0.11	8.0
KH150B	339	332	20	4000		2440(23.9)	2390(23.4)	0.19	9.3
KH160B	365	360	25	3500		2500(25)	2450(24.5)	0.12	14
KH200B	590	580	30	3000		4100(41)	4000(40)	0.3	20

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- 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

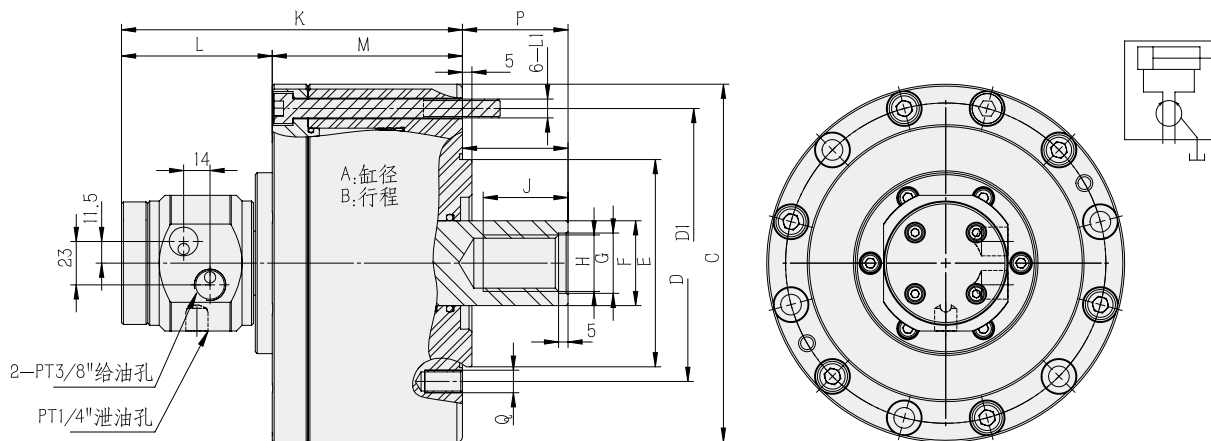
规格 Spec.	活塞面积 cm ² Piston area cm ²		行程 mm Stroke	最高回转数 min~1(r.p.m) Max.speed	最高使用压力 MPa(kgf/cm ²) Maximum working pressure	GD2 kg.m ²	重量 Kg Weight
	押侧 Press side	拉侧 Pull side					
RH65	31.0	27.9	15	6000	3.5(35)	0.01	2.9
RH80	47.7	42.8	15	6000	3.5(35)	0.01	3.4
RH100	75.4	70.5	20	5500	3.5(35)	0.04	4.9
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

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

- 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
RK75	75	15	107	90	90	65	30	21	M20	35
RK100	100	20	135	100	115	80	30	21	M20	35
RK125	125	25	160	130	140	110	35	25	M24	45
RK150	150	30	190	130	170	110	45	32	M30	45
RK150L	150	35	190	130	170	110	45	32	M30	45
RK200L	200	35	245	145	220	120	55	38	M36	60
RK250L	250	60	307	220	275	160	65	45	M42X3	65

规格 Spec.	K	L	L1	M	P		Q	活塞行程 (mm) Piston Stroke	最高回转数 min-1(r.p.m) Max.speed	惯性矩 (kg. m ²) Moment of inertia	流量 (l/min) Traffic
					Max.	Min.					
RK75	127	70	M8X65	57	45	30	6-M8	15	6000	0.01	0.6
RK100	163	80	M8X90	83	45	25	6-M10	20	6000	0.013	0.8
RK125	171	80	M8X100	91	51	26	6-M12	25	5500	0.023	0.8
RK150	181	80	M10X110	101	56	26	12-M12	30	5500	0.048	0.8
RK150L	181	80	M10X110	101	56	21	12-M12	35	5500	0.048	0.8
RK200L	198	83	M10X125	115	70	35	12-M16	35	3500	0.28	0.8
RK250L	248	83	M16X175	165	85	25	6-M20	60	2000	0.4	0.8

性能参数 Performance parameters

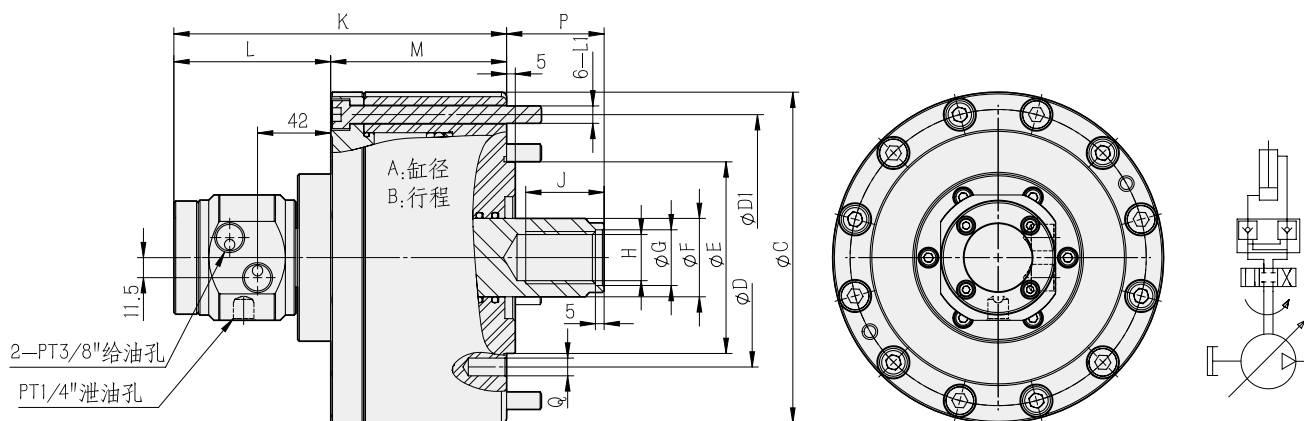
规格 Spec.	最高使用压力 MPa(kgf/cm ²) Maximum working pressure	活塞面积 (推力 / 拉力) cm ² Piston area cm ² (Thrust/Tension)	最大推 / 拉力 (KN) Max. Thrust/Tension		净重 (Kg) Weight
RK75	4.0(40)	44.2	37.1	15.7	3.3
RK100		78.5	71.5	31.4	6.7
RK125		122.6	113	49	9.1
RK150		176.6	160.6	70.6	12.8
RK200		314.1	290.4	115.6	23.4
RK250		469.1	436	168.8	46.3

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.

Middle-solid rotary cylinder (pressure maintaining type)

- 短行，高速，行程控制型回转油压缸。
 - 安装时可由后端锁紧。
 - 内附逆止阀机构，确保异常断电时压力可心持续保持，以避免产生背压。
-
- Short stroke and high speed, stroke control type rotary oil cylinder.
 - When installing, fix it though rear locking.
 - A check valve mechanism is attached to ensure that the pressure can be maintained continuously in case of abnormal power failure 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
RK100N	100	20	135	100	115	80	30	21	M20	35
RK125N	125	25	160	130	140	110	35	25	M24	45
RK150N	150	30	190	130	170	110	45	32	M30	45

规格 Spec.	K	L	L1	M	P		Q	活塞行程 (mm) Piston Stroke	最高回转数 min-1(r.p.m) Max.speed	惯性矩 (kg. m²) Moment of inertia	流量 (l/min) Traffic
					Max.	Min.					
RK100N	218	135	M8X90	83	45	25	6-M10	20	6000	0.013	0.8
RK125N	226	135	M8X100	91	51	26	6-M12	25	6000	0.023	0.8
RK150N	236	135	M10X110	101	56	26	12-M12	30	6000	0.048	0.8

性能参数 Performance parameters

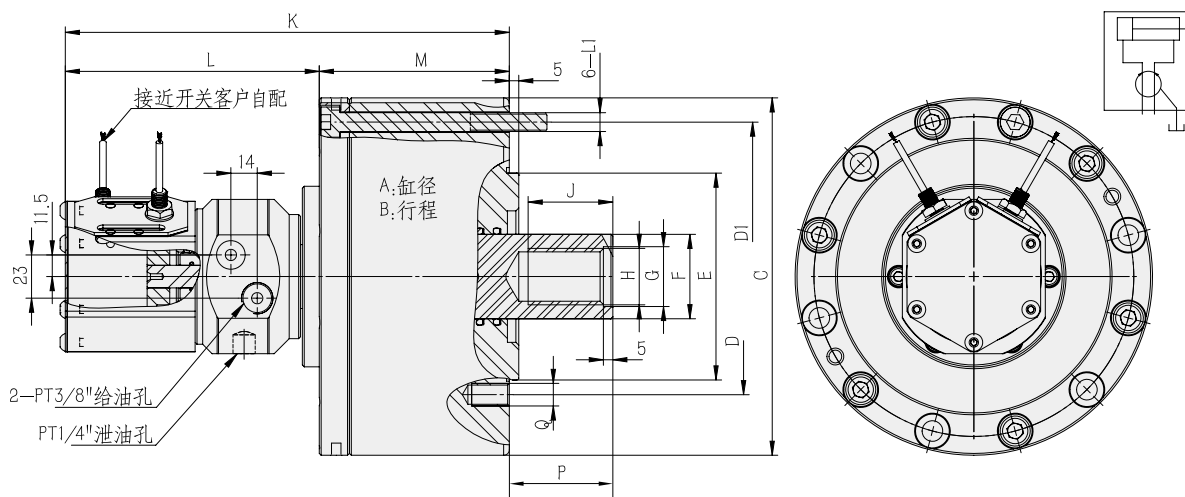
规格 Spec.	最高使用压力 MPa(kg/cm²) Maximum working pressure	活塞面积 (推力 / 拉力) cm² Piston area cm² (Thrust/Tension)		最大推 / 拉力 (kN) Max. Thrust/Tension		净重 (Kg) Weight
RK100N	4.0(40)	78.5	71.5	31.4	28.4	6.7
RK125N		122.6	113	49	45	9.1
RK150N		176.6	160.6	70.6	64.2	12.8

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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- 短行，高速，行程控制型回转油压缸。
 - 感应式连接开关，行程调整容易，可确认油压缸正确动作。
 - 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。
-
- 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	D	D1	E(h7)	F	G(H8)	H	J
RK75S	75	15	107	90	90	65	30	21	M20	35
RK100S	100	20	135	100	115	80	30	21	M20	35
RK125S	125	25	160	130	140	110	35	25	M24	45
RK150S	150	30	190	130	170	110	45	32	M30	45

规格 Spec.	K	L	L1	M	P		Q	活塞行程	最高回转数	惯性矩 (kg. m²)	流量 (l/min)
					Max.	Min.		(mm) Piston Stroke	min-l(r.p.m) Max.speed	Moment of inertia	Traffic
RK75S	183	126	M8X65	57	45	30	6-M8	15	6000	0.006	0.8
RK100S	218	135	M8X90	83	45	25	6-M10	20	6000	0.013	0.8
RK125S	226	135	M8X100	91	51	26	6-M12	25	6000	0.023	0.8
RK150S	236	135	M10X110	101	56	26	12-M12	30	6000	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
RK75S	4.0(40)	44	37	15.7	13.7	3.9
RK100S		78.5	71.5	31.4	28.4	6.7
RK125S		122.6	113	49	45	9.1
RK150S		176.6	160.6	70.6	64.2	12.8

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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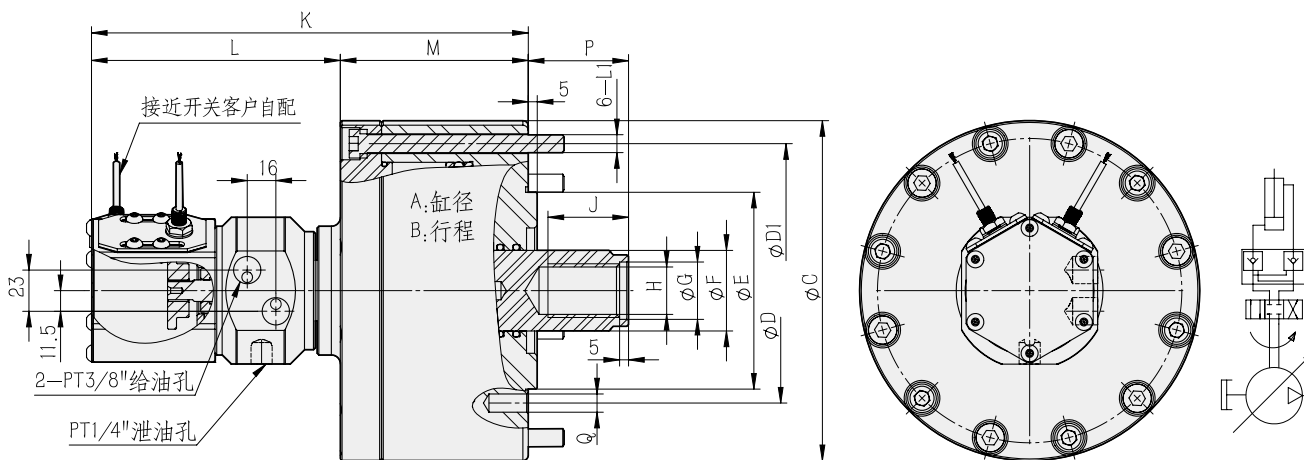
RK-SN 中实行程检测保压型回转油缸

Middle-solid stroke detection pressure maintaining rotary cylinder



- 短行，高速，行程控制型回转油压缸。
- 感应式进接开关，行程调整容易，可确认油压缸正确动作。
- 安装时可由后端锁紧。
- 内附逆止阀机构，确保异常断电时压力可心持续保持，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.
- A check valve mechanism is attached to ensure that the pressure can be maintained continuously in case of abnormal power failure 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
RK100SN	100	20	135	100	115	80	30	21	M20	35
RK125SN	125	25	160	130	140	110	35	25	M24	45
RK150SN	150	30	190	130	170	110	45	32	M30	45

规格 Spec.	K	L	L1	M	P		Q	活塞行程 (mm) Piston Stroke	最高回转数 min-1(r.p.m) Max.speed	惯性矩 (kg. m ²) Moment of Inertia	流量 (l/min) Traffic
					Max.	Min.					
RK100SN	230	144	M8X90	86	45	25	6-M10	20	6000	0.013	0.8
RK125SN	238	144	M8X100	94	51	26	6-M12	25	6000	0.023	0.8
RK150SN	244	139	M10X110	101	56	26	12-M12	30	5500	0.048	0.8

性能参数 Performance parameters

规格 Spec.	最高使用压力 MPa(kgf/cm ²) Maximum working pressure	活塞面积 (推力 / 拉力) cm ² Piston area cm ² (Thrust/Tension)		最大推 / 拉力 (KN) Max. Thrust/Tension		净重 (Kg) Weight
RK100SN	4.0(40)	78.5	71.5	31.4	28.4	7
RK125SN		122.6	113	49	45	9.5
RK150SN		176.6	160.6	70.6	64.2	14

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

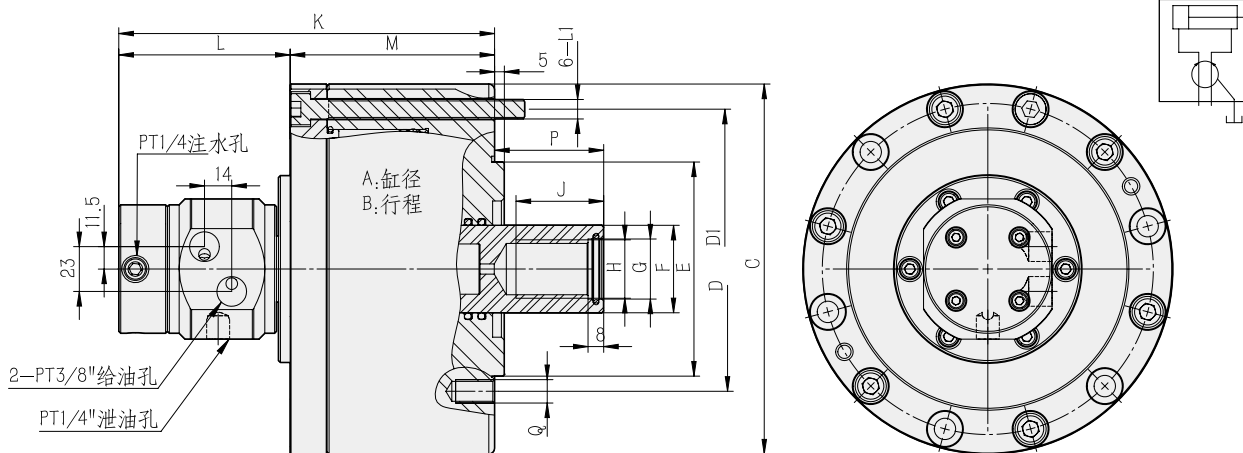
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

RK-C 中实回转油缸（注水型）

Middle-solid rotary cylinder (water injection type)



- 高速、注水型回转油压缸。可经由后端供水。
- 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。
- High speed, water injection type rotary oil cylinder. Water can be supplied through the rear end.
- 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
RK75C	75	15	107	90	90	65	30	21	M20	35
RK100C	100	20	135	100	115	80	30	21	M20	35
RK125C	125	25	160	130	140	110	35	25	M24	45
RK150C	150	30	190	130	170	110	45	32	M30	45

规格 Spec.	K	L	L1	M	P		Q	活塞行程 (mm) Piston Stroke	最高回转数 min~1(r.p.m) Max.speed	惯性矩 (kg. m ²) Moment of inertia	流量 (l/min) Traffic
					Max.	Min.					
RK75C	139	82	M8X65	57	45	30	6-M8	15	6000	0.006	0.8
RK100C	174	88	M8X90	86	45	25	6-M10	20	6000	0.013	0.8
RK125C	182	88	M8X100	94	51	26	6-M12	25	6000	0.023	0.8
RK150C	193	88	M10X110	105	56	26	12-M12	30	6000	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) cm ² Piston area cm ² (Thrust/Tension)		最大推 / 拉力 (KN) Max. Thrust/Tension		净重 (Kg) Weight
RK75C	4.0 (40)	44	37	15.7	13.7	3.4
RK100C		78.5	71.5	31.4	28.4	6.7
RK125C		122.6	113	49	45	9.1
RK150C		176.6	160.6	70.6	64.2	12.8

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

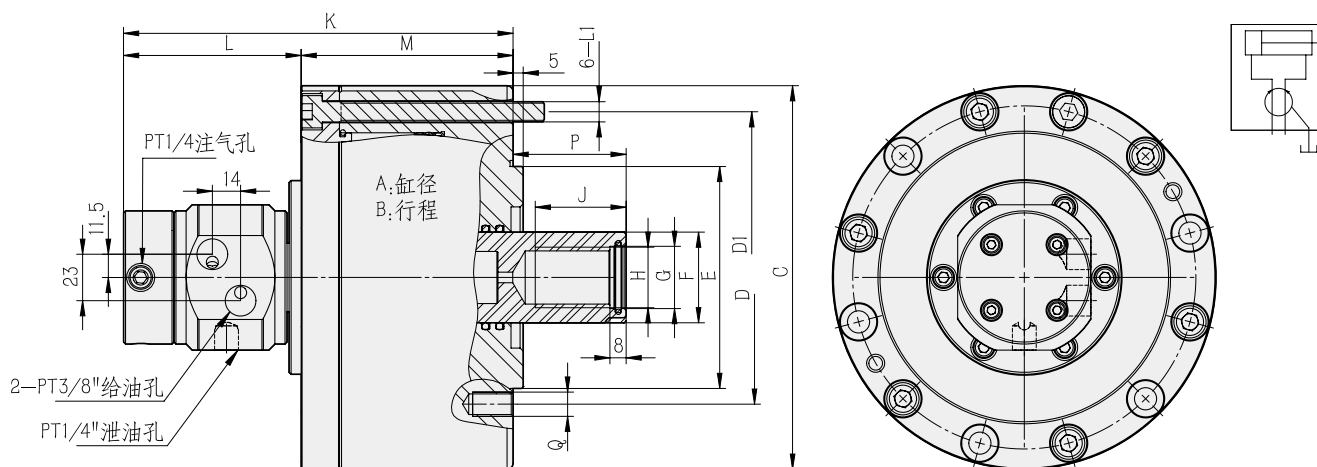
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

RK-Q 中实回转油缸（注气型）

Middle-solid rotary cylinder (air injection type)



- 高速、注气型回转油压缸。可经由后端供气。
- 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。
- 注气部无流体通过时，请勿运转。
- High speed, air injection rotary oil cylinder. Air can be supplied through the rear end.
- 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.
- Do not operate when there is no fluid passing through the air injection part.



尺寸参数 Size parameter

规格 Spec.	A	B	C	D	D1	E(h7)	F	G(H8)	H	J
RK75Q	75	15	107	90	90	65	30	21	M20	35
RK100Q	100	20	135	100	115	80	30	21	M20	35
RK125Q	125	25	160	130	140	110	35	25	M24	45
RK150Q	150	30	190	130	170	110	45	32	M30	45

规格 Spec.	K	L	L1	M	P		Q	活塞行程 (mm) Piston Stroke	最高回转数 min~l(r.p.m) Max.speed	惯性矩 (kg. m ²) Moment of inertia	流量 (l/min) Traffic
					Max.	Min.					
RK75Q	139	82	M8X65	57	45	30	6-M8	15	6000	0.006	0.8
RK100Q	174	88	M8X90	86	45	25	6-M10	20	6000	0.013	0.8
RK125Q	182	88	M8X100	94	51	26	6-M12	25	6000	0.023	0.8
RK150Q	193	88	M10X110	105	56	26	12-M12	30	6000	0.048	0.8

性能参数 Performance parameters

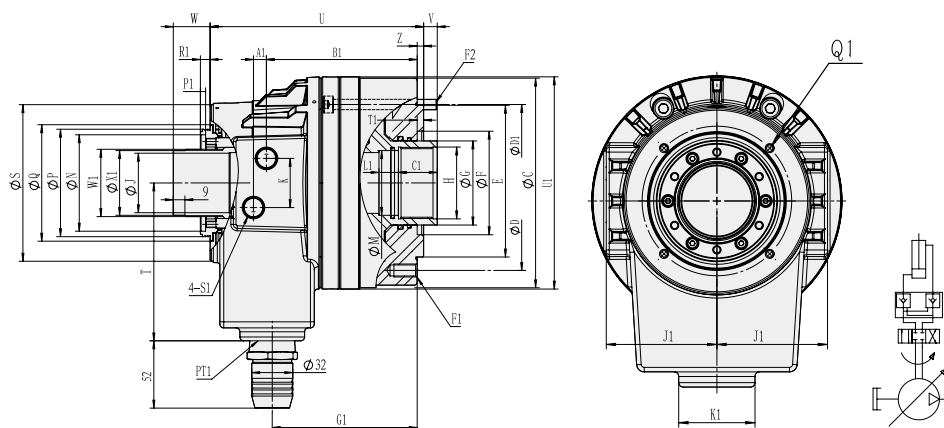
规格 Spec.	最高使用压力 Maximum working pressure	活塞面积 (推力 / 拉力) cm ² Piston area cm ² (Thrust/Tension)		最大推 / 拉力 (KN) Max. Thrust/Tension		净重 (Kg) Weight
RK75Q	4.0 (40)	44	37	15.7	13.7	3.4
RK100Q		78.5	71.5	31.4	28.4	6.7
RK125Q		122.6	113	49	45	9.1
RK150Q		176.6	160.6	70.6	64.2	12.8

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.



- 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

规格 Spec.	A1	B1	C	C1	D	D1	E(h7)	F	F1	F2	G	G1
TK428	9.5	92.75	118	25	96	106	80	65	6-M8X1.25P	6-M6X1P	44	90.5
TK536	9	108.5	140	25	115	125	100	65	6-M10X1.5P	6-M8X1.25P	48	108
TK646	10	116.5	162	30	130	140	120	80	6-M10X1.5P	6-M8X1.25P	65	112
TK646S	10	116.5	162	30	130	147	100	80	6-M10X1.5P	6-M8X1.25P	65	112
TK852	10	126.5	188	30	170	170	130	85	12-M10X1.5P	6-M8X1.25P	70	128.5
TK852S	10	126.5	188	30	170	165	130	85	12-M10X1.5P	6-M8X1.25P	70	128.5
TK1075	12	143	214	35	190	195	160	110	12-M10X1.5P	6-M10X1.5P	95	122.5

规格 Spec.	H	J	J1	K	K1	L1	M	N	P	P1	Q	Q1	R1
TK428	M33X1.5	28	60.5	24	50	15	30	54	63	4	70	4-M5X0.8P(PCDφ78)	7.5
TK536	M42X1.5P	36	62.5	32	50	15	38	64	73	4	80	4-M5X0.8P(PCDφ88)	8
TK646	M55X2P	46	72.5	38	50	15	50	74.5	83	4	90	4-M5X0.8P(PCDφ98)	7.5
TK646S	M55X2P	46	72.5	38	50	15	50	74.5	83	4	90	4-M5X0.8P(PCDφ98)	7.5
TK852	M60X2P	52	83.5	36	50	15	55	85	96	4	100	4-M6X1P(PCDφ110)	6.5
TK852S	M60X2P	52	83.5	36	50	15	55	85	96	4	100	4-M6X1P(PCDφ110)	6.5
TK1075	M85X2P	75	98.5	39	50	17	80	110	121	4	128	4-M6X1P(PCDφ155)	8.5

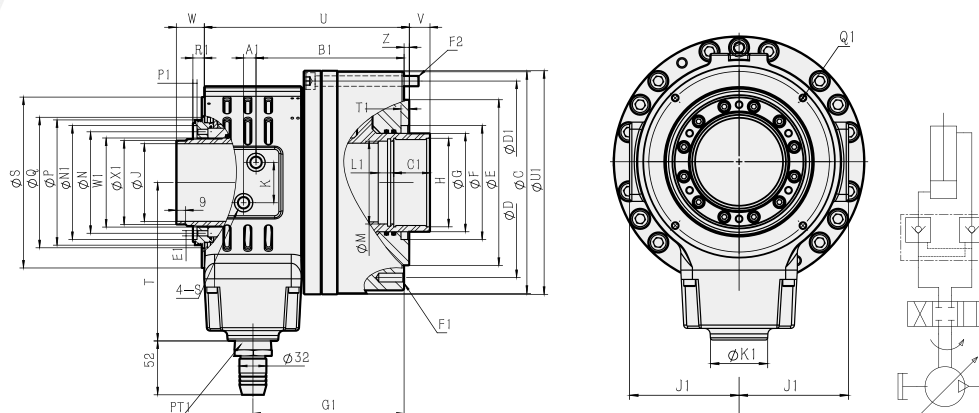
规格 Spec.	S	S1	T	T1	U	U1	Vmax	Vmin	W1	Wmin	Wmax	X1	Z
TK428	90	PT1/4	85	5	134	120	7	-2	M34X1.5P	32	23	32	5
TK536	103	PT1/4	110	5	154	142	10	-5	M44X1.5P	28	43	41.8	5
TK646	121	PT3/8	122	5	165	164	10.5	-4.5	M52X1.5P	28.5	49.5	50	5
TK646S	121	PT3/8	122	5	165	164	10.5	-4.5	M52X1.5P	28.5	43.5	50	5
TK852	137	PT3/8	132	6	178.5	190	17	-5	M58X1.5P	25.5	47.5	56	5
TK852S	137	PT3/8	132	6	178.5	190	17	-5	M58X1.5P	25.5	47.5	56	5
TK1075	165	PT1/2	160	5	185	216	20	-5	M84X2.0P	50	25	81	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(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	Stroke	Max.speed	Maximum working pressure	GD ² kg.m ²	Total volume of oil drainage	Weight
TK428	50	56	9	8000	3.5(35) 4.0(40)	0.03	2.0	5.6
TK536	70	68	15	8000		0.05	2.5	7.4
TK646	100	88.0	15	7000		0.06	3.0	9.7
TK646S	100	88	15	7000		0.06	3.0	9.7
TK852	135.3	125	22	6500		0.11	3.9	11.8
TK852S	135.3	125	22	6500		0.11	3.9	11.8
TK1075	196	183	25	4700		0.40	4.2	25.8



- 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 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
TK1291	12	161.5	245	35	215	225	180	6-M6X1P	130	12-M12X1.75P	6-M12X1.75P	115	163.5
TK1512	12	173	305	35	275	275	230	6-M6X1P	165	12-M12X1.75P	6-M12X1.75P	145	187
TK18145	20	192.5	320	45	195	-	240	6-M6X1P	190	12-M16X2P	-	170	203

规格 Spec.	H	J	J1	K	K1	L1	M	N	N1	P	P1	Q	Q1	R1
TK1291	M100X2P	91	113	39	52	15	96	121	134	151	4	154	4-M6X1P(PCDφ170)	11
TK1512	M130X2P	120	133	39	52	15	130	160	164	181	4	186	4-M6X1P(PCDφ225)	13
TK18145	M155X2P	145	155	50	52	20	150	180	195	213	4	245	4-M6X1P(PCDφ260)	11.5

规格 Spec.	S	S1	T	T1	U	U1	Vmax	Vmin	W1	Wmin	Wmax	X1	Z
TK1291	200	PT1/2	170	8	219.5	251	25	-5	M104X2P	25	55	100	5
TK1512	230	PT1/2	190	8	243	295	25	-5	M138X2P	36.5	66.5	134	5
TK18145	245	PT1/2	230	8	266.5	318	30	-5	M155X2P	25	60	151	9

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	压侧 Press side	拉侧 Pull side	Stroke	Max.speed	Maximum working pressure	GD2 kg.m ²	Total volume of oil drainage	Weight
TK1291	227	219	30	3800	4.0(40)	0.61	4.5	33.0
TK1512	304	302	30	2800	3.5(35)	0.8	7.0	50.0
TK18145	360	370	35	1000	3.0(30)	1.0	8.0	77

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

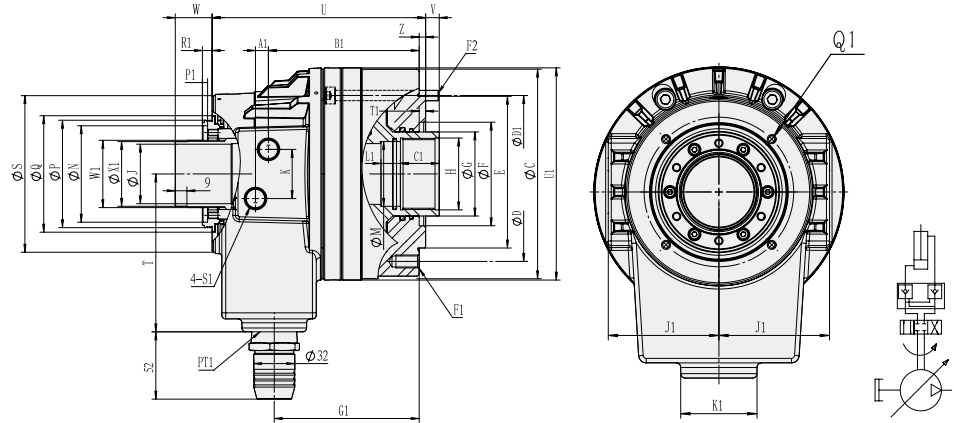
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

TK-N 超薄型中空回转油缸

Ultra thin hollow rotary oil hydraulic cylinder



- 超薄型回转油压缸，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)	F	F1	F2	G	G1
TK428N	9.5	92.75	118	25	96	106	80	65	6-M8X1.25P	6-M6X1P	44	90.5
TK536N	9	108.5	140	25	115	125	100	65	6-M10X1.5P	6-M8X1.25P	48	108
TK646N	10	116.5	162	30	130	140	120	80	6-M10X1.5P	6-M8X1.25P	65	112
TK646SN	10	116.5	162	30	130	147	100	80	6-M10X1.5P	6-M8X1.25P	65	112
TK852N	10	126.5	188	30	170	170	130	85	12-M10X1.5P	6-M8X1.25P	70	128.5
TK852SN	10	126.5	188	30	170	165	130	85	12-M10X1.5P	6-M8X1.25P	70	128.5
TK1075N	12	143	214	35	190	195	160	110	12-M10X1.5P	6-M10X1.5P	95	122.5

规格 Spec.	H	J	J1	K	K1	L1	M	N	P	P1	Q	Q1	R1
TK428N	M33X1.5	28	60.5	24	50	15	30	54	63	4	70	4-M5X0.8P(PCDφ78)	7.5
TK536N	M42X1.5P	36	62.5	32	50	15	38	64	73	4	80	4-M5X0.8P(PCDφ88)	8
TK646N	M55X2P	46	72.5	38	50	15	50	74.5	83	4	90	4-M5X0.8P(PCDφ98)	7.5
TK646SN	M55X2P	46	72.5	38	50	15	50	74.5	83	4	90	4-M5X0.8P(PCDφ98)	7.5
TK852N	M60X2P	52	83.5	36	50	15	55	85	96	4	100	4-M6X1P(PCDφ110)	6.5
TK852SN	M60X2P	52	83.5	36	50	15	55	85	96	4	100	4-M6X1P(PCDφ110)	6.5
TK1075N	M85X2P	75	98.5	39	50	17	80	110	121	4	128	4-M6X1P(PCDφ155)	8.5

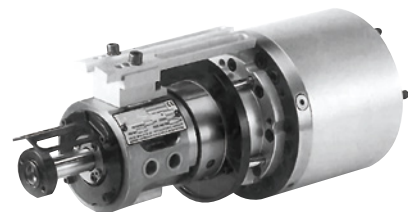
规格 Spec.	S	S1	T	T1	U	U1	Vmax	Vmin	W1	Wmin	Wmax	X1	Z
TK428N	90	PT1/4	85	5	134	120	7	-2	M34X1.5P	32	23	32	5
TK536N	103	PT1/4	110	5	154	142	10	-5	M44X1.5P	28	43	41.8	5
TK646N	121	PT3/8	122	5	165	164	10.5	-4.5	M52X1.5P	28.5	49.5	50	5
TK646SN	121	PT3/8	122	5	165	164	10.5	-4.5	M52X1.5P	28.5	43.5	50	5
TK852N	137	PT3/8	132	6	178.5	190	17	-5	M58X1.5P	25.5	47.5	56	5
TK852SN	137	PT3/8	132	6	178.5	190	17	-5	M58X1.5P	25.5	47.5	56	5
TK1075N	165	PT1/2	160	5	185	216	20	-5	M84X2.0P	50	25	81	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(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	Stroke	Max.speed	Maximum working pressure	GD ² kg.m ²	Total volume of oil drainage	Weight
TK428N	50	56	9	8000	3.5(35) 4.0(40)	0.03	2.0	5.6
TK536N	70	68	15	8000		0.05	2.5	7.4
TK646N	100	88.0	15	7000		0.06	3.0	9.7
TK646SN	100	88	15	7000		0.06	3.0	9.7
TK852N	135.3	125	22	6500		0.11	3.9	11.8
TK852SN	135.3	125	22	6500		0.11	3.9	11.8
TK1075N	196	183	25	4700		0.40	4.2	25.8

- 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: 40 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

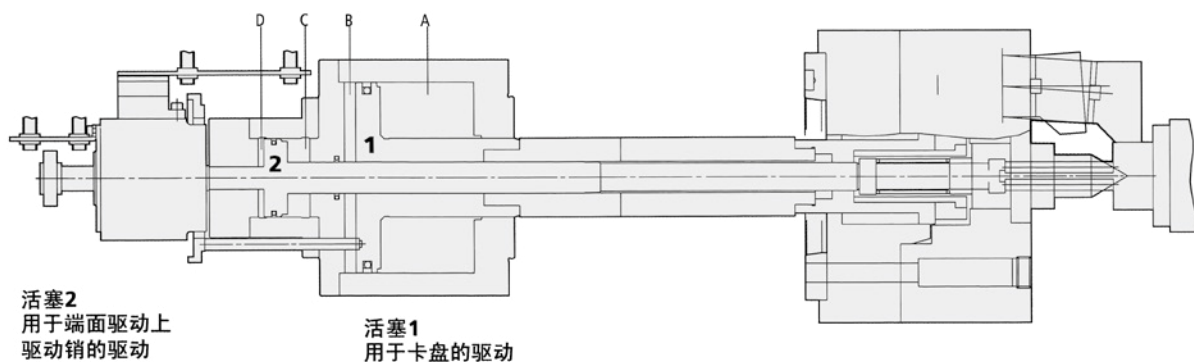
技术特点 Technical features

- 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: 8-40bar
- 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

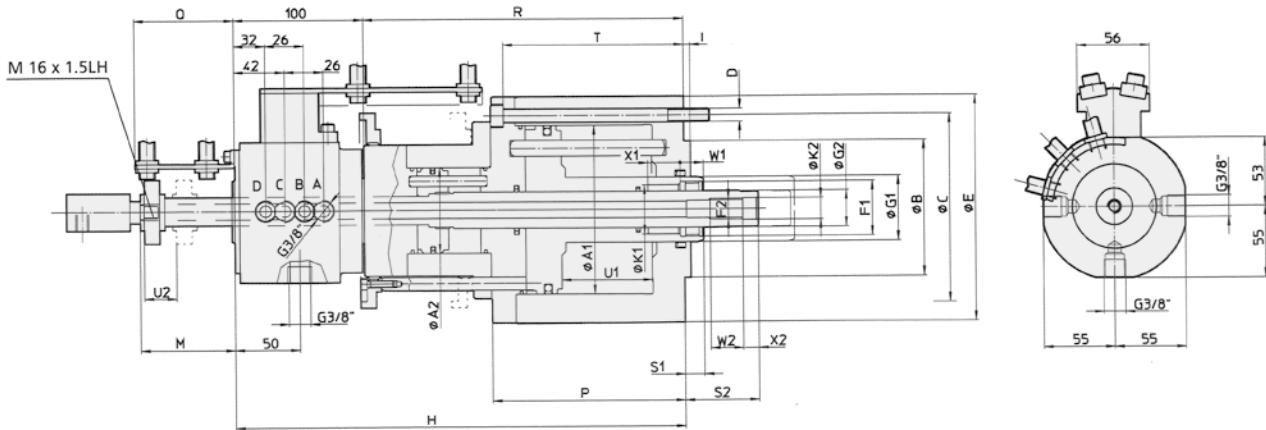
油缸 BDF- 用于 SG 或 SF 系列 Oil cylinder BDF – used for SG or SF series

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

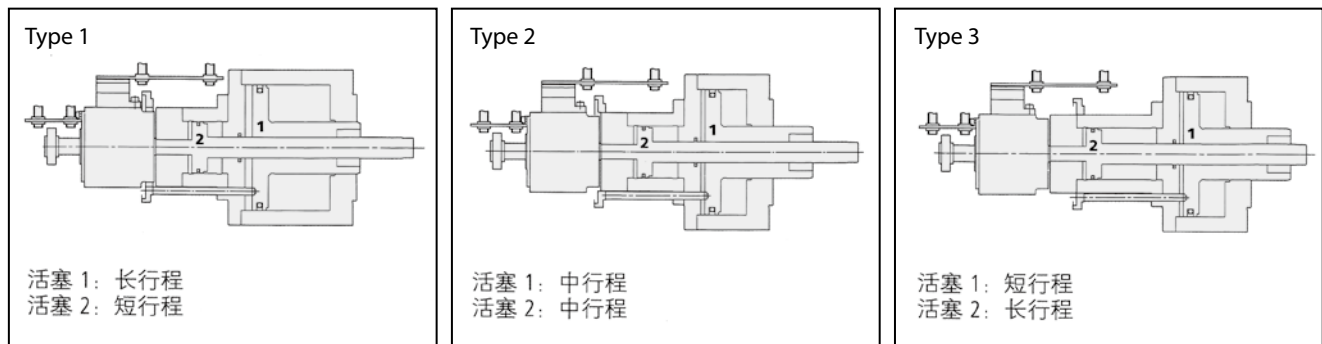


尺寸参数 Size parameter

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	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	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	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	30/21	40/28	60/42	40/28
最高回转数 Max.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	70
工作压力 Working pressure	最小 Min.	bar	8	8	8	8	8	8	8



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	150
活塞直径 2 Piston diameter 2	A2	mm	66	66	66	66	75	90	75
定位止口 Positioning seam allowance h6	B	mm	105	105	105	105	120	120	120
安装螺钉位置 Position of mounting screw	C	mm	145	145	145	145	175	175	175
安装螺钉 Mounting screw	D	mm	6×M10	6×M10	6×M10	6×M10	6×M12	6×M12	6×M12
	E	mm	174	174	174	174	204	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	M45×1.5
活塞杆螺纹 2 Piston rod screw thread 2	F2	mm	M16	M16	M16	M16	M20	M20	M20
	G1	mm	50	50	50	50	60	60	60
	G2	mm	28	28	28	28	30	30	30
	H	mm	38	380	333	373	411	366	411
	I	mm	5	5	5	5	5	5	5
	K1	mm	38	38	38	38	42	42	42
	K2	mm	16.5	16.5	16.5	16.5	22	22	22
最大 Max.	M	mm	73	73	73	103	73	73	118
	P	mm	150	167	120	120	184	139	139
	Q	mm	77	77	77	107	77	77	122
	R	mm	248	280	233	273	306	266	311
最小 Min.	S1	mm	15	15	45	45	15	60	60
最小 Min.	S2	mm	57	75	72	82	73	118	73
	T	mm	140	157	110	110	172	127	127
	U1	mm	70	87	40	40	95	50	50
	U2	mm	25	40	40	80	50	48	95
	W1	mm	18	18	18	18	42	42	42
	W2	mm	25	25	25	25	25	25	25
	X1	mm	25	25	25	25	10	10	10
	X2	mm	12	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

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

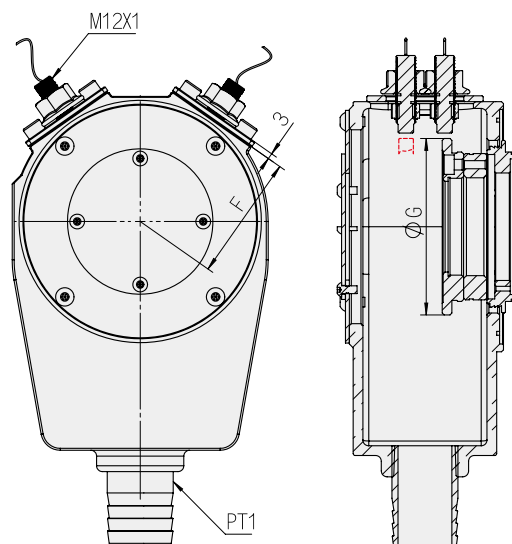
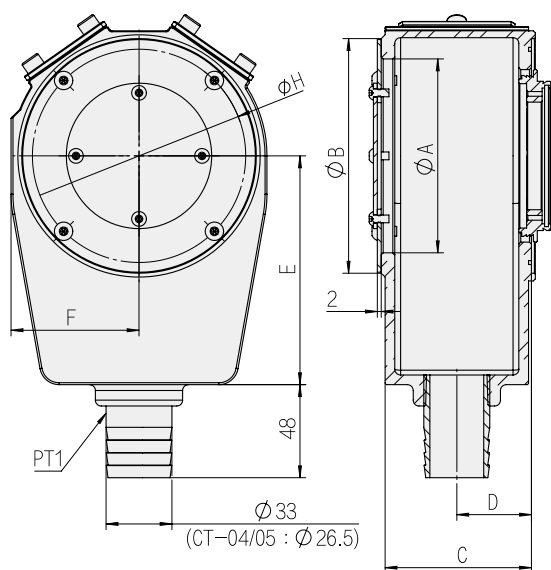


- 近接开关是选购品。
- The proximity Switch is optional.

端子连接 Terminal connections

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



规格 Spec.	尺寸 Size	A	B	C	D	E	F	G	H	重量	适用油压缸 Matching cyl.
CT-05		80	112	69	35.5	100	60	85	4-M5X0.8P(PCDφ88)	1	TK536,TK536N,TH536
CT-06		106	136	78	40	118	75	95	4-M5X0.8P(PCDφ98)	1.3	TK646,TK646S,TK646N,TH646
CT-08		116	146	78	40	126	80	106	4-M6X1P(PCDφ110)	1.5	TK852,TK852N,TK852NF,TH852
CT-10		158	188	86	45	152	98	145	4-M6X1P(PCDφ155)	2	TK1075,TK1075S,TK1075N,TH1075
CT-12		158	188	86	45	163	98	145	4-M6X1P(PCDφ170)		

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

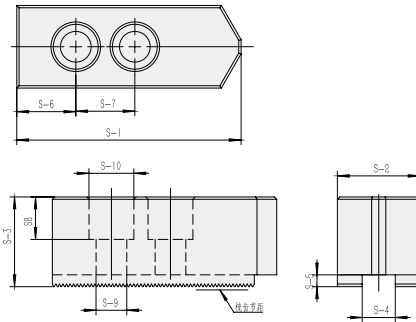
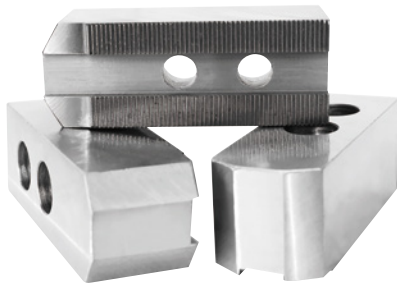
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

软爪、硬爪

Soft jaw, hard jaw



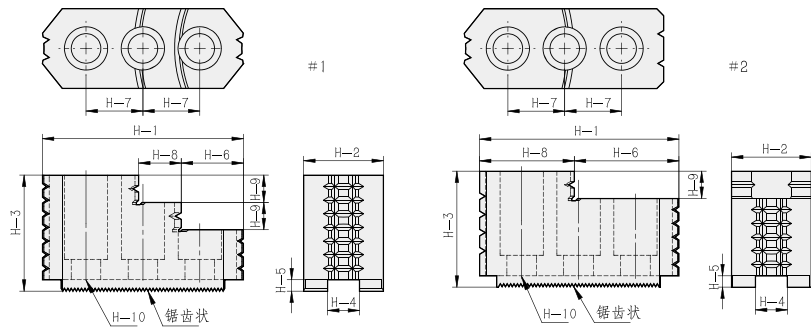
软爪 Soft jaw



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	重量 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

硬爪 Hard jaw



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 Weight(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

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

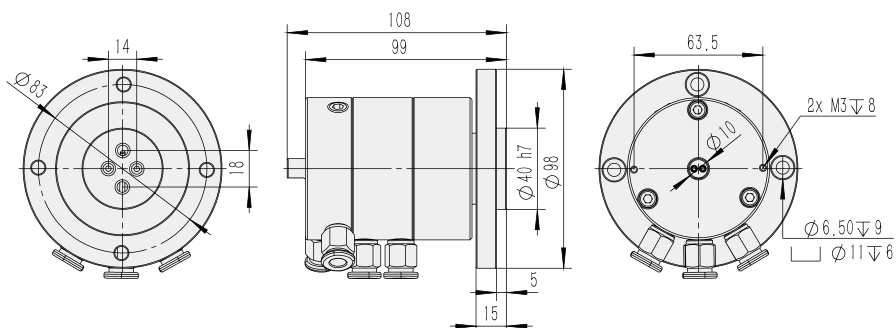
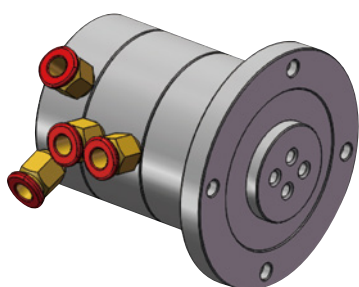
The above data are the standard parameters, personalized customized solutions can be provided according to customer's requirement.

气压分配器

Air pressure distributor

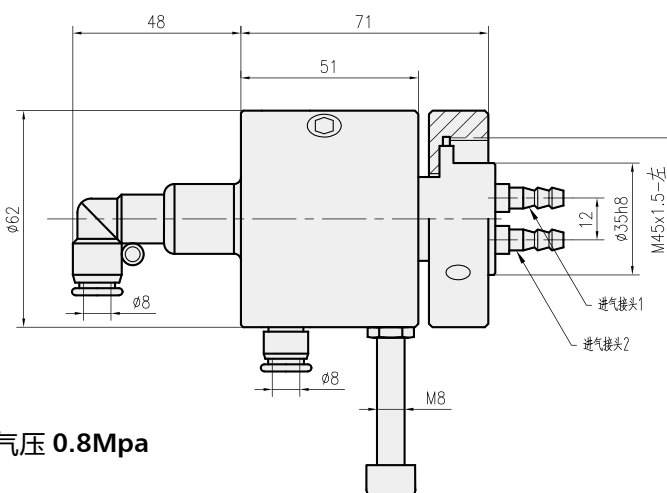
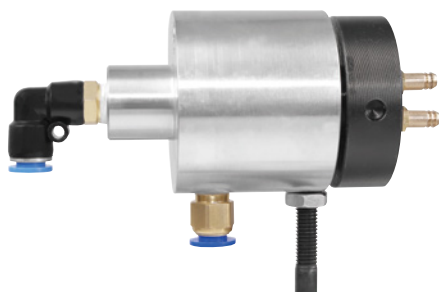


四路控气阀 Four-way air control valve



KQ70-4 r.p.m≤2000

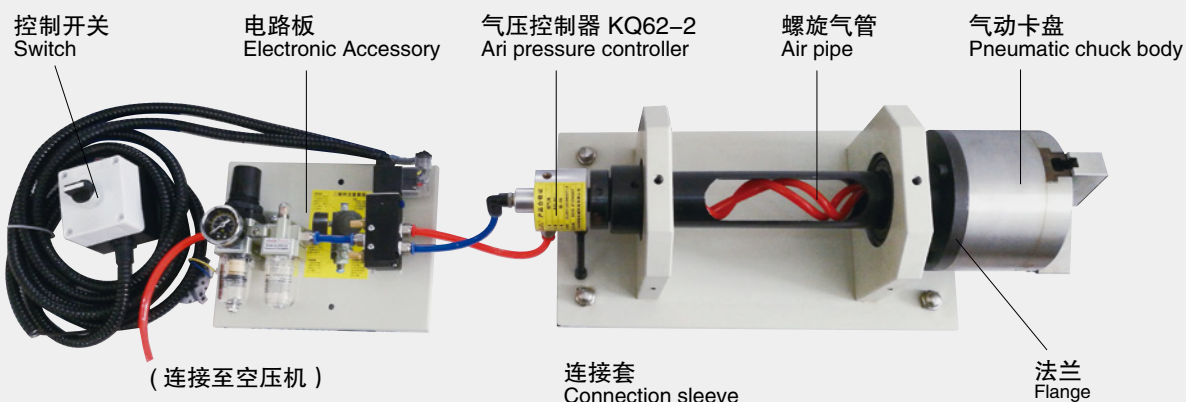
二路控气阀 Two-way air control valve



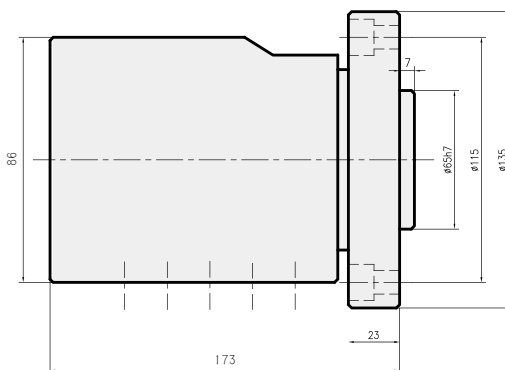
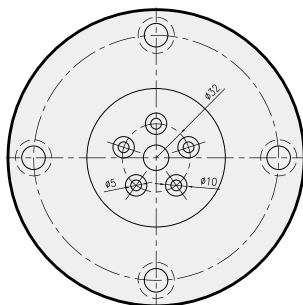
KQ62-2 r.p.m≤3000 最大气压 0.8Mpa

实用新型专利号: ZL 2011 2 0346071.9

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



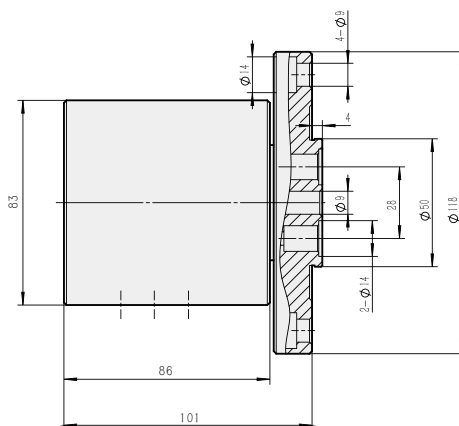
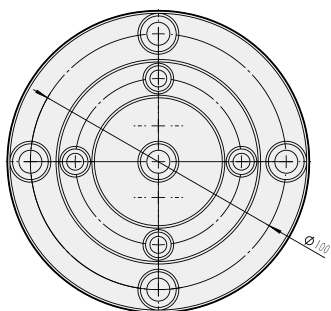
五路油压分配器 Five-way oil pressure distributor



KY115-4/5

r.p.m≤3000 最大使用压力 3.5Mpa

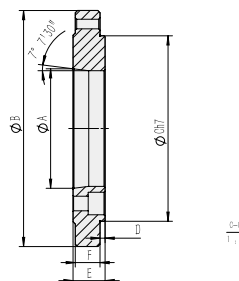
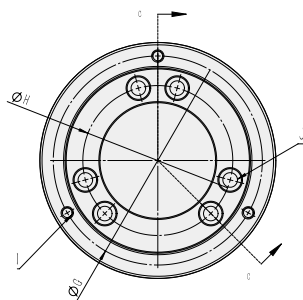
二路油压分配器 Two-way oil pressure distributor



KY80-2

r.p.m≤3000 最大使用压力 3.5Mpa

气动卡盘连接法兰 Pneumatic chuck connection flange



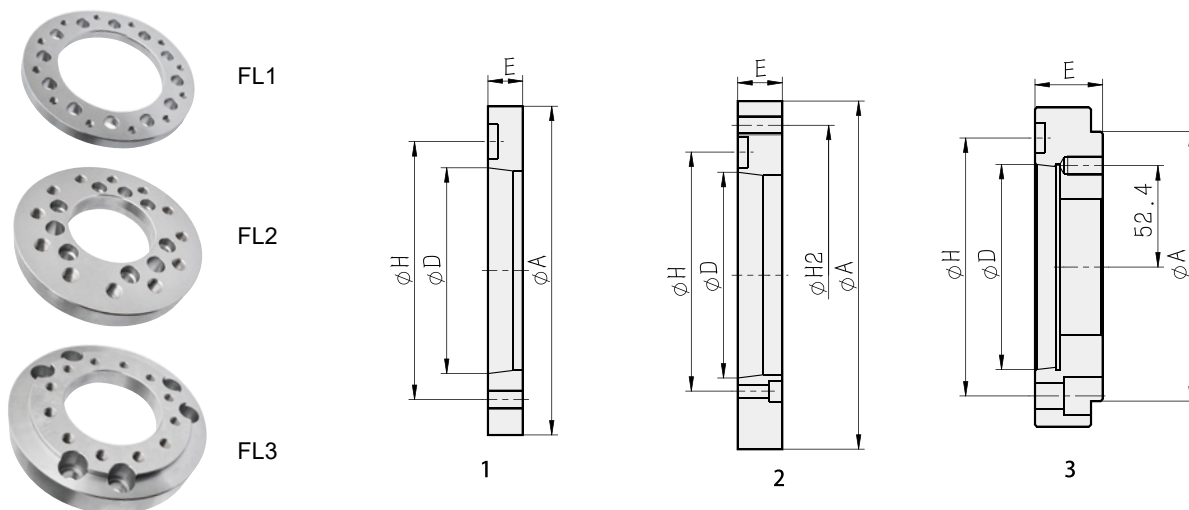
规格 Spec.	A	B	C	D	E	F	G	H	I	J
KS05-3-A4	63.513	135	95	4.5	23.5	17	115	82.6	3-M8	3-M10×20
KS06-3-A5	82.563	172	154	4.5	28.5	22	154	104.8	3-M8	6-M10×30
KS08-3-A6	106.375	210	165	4.5	28.5	22	186	133.4	3-M10	6-M12×30
KS10-3-A8	139.719	254	206	4.5	33.5	27	230	171.4	3-M12	6-M16×35
KS12-3-A8	139.719	315	270	4.5	33.5	27	290	171.4	3-M12	6-M16×35

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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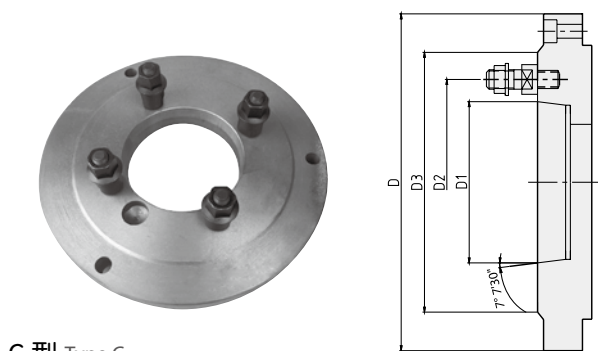
连接法兰示意图

Flange connecting diagram



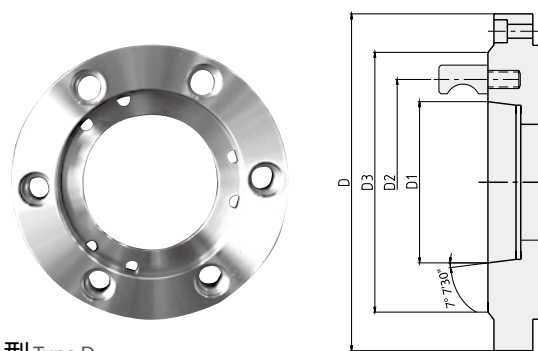
尺寸 规格	鼻端番号 Nose of Spindle D	A	H	H2	E	参考图 Reference Drawing
05A ₂ 4	A ₂ 4	110	82.6	—	20	图 -1 Fig.1
06A ₂ 5	A ₂ 5	140	104.8	—	15	图 -1 Fig.1
08A ₂ 6	A ₂ 6	170	133.4	—	17	图 -1 Fig.1
10A ₂ 8	A ₂ 8	220	171.4	—	18	图 -1 Fig.1
12A ₂ 8	A ₂ 8	220	171.4	—	18	图 -1 Fig.1
15A ₂ 11	A ₂ 11	300	235	—	22	图 -1 Fig.1
18A 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 -3 Fig.3
08A ₂ 5	A ₂ 5	170	104.8	133.4	24	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

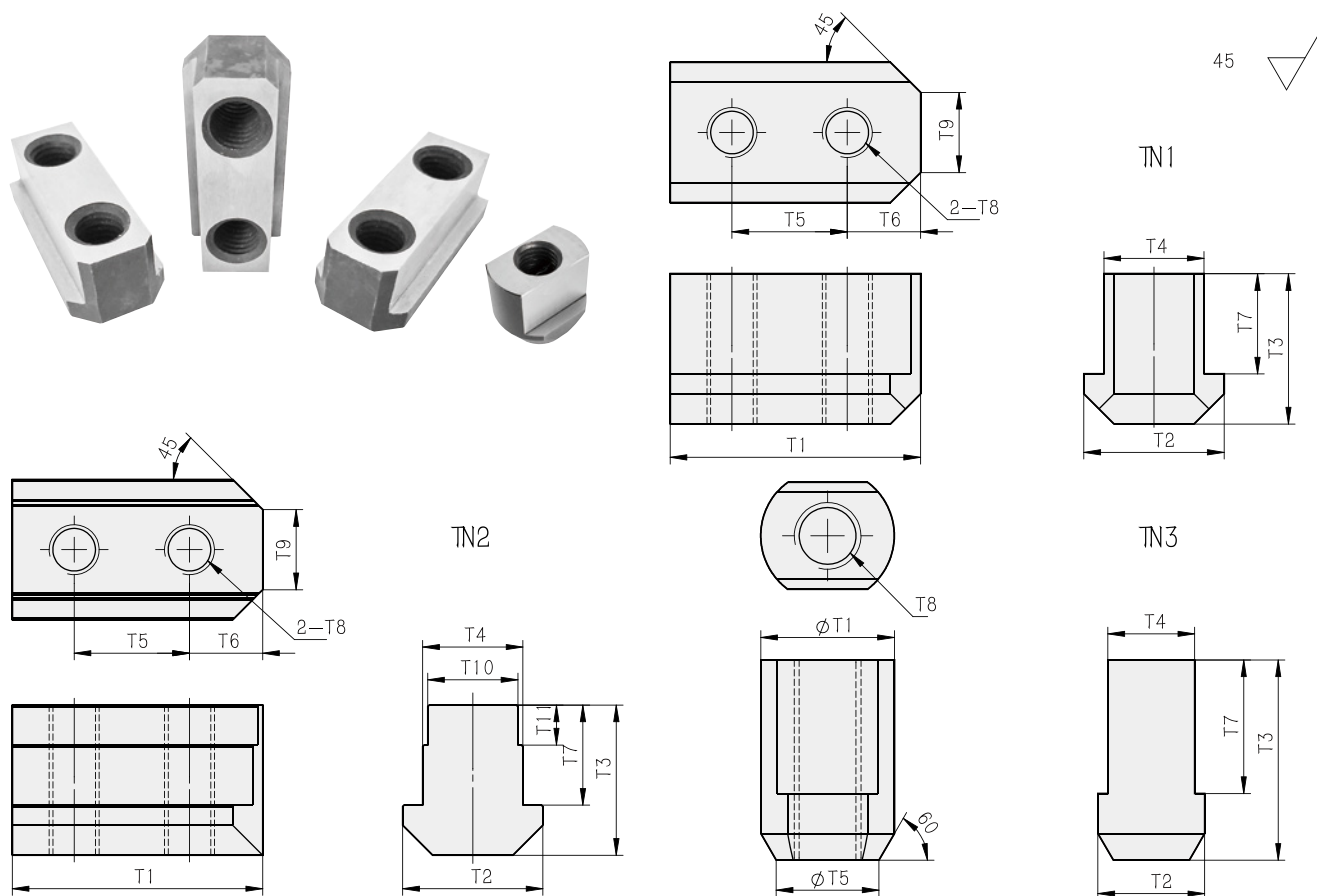


D 型 Type D

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

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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尺寸参数 Size parameter

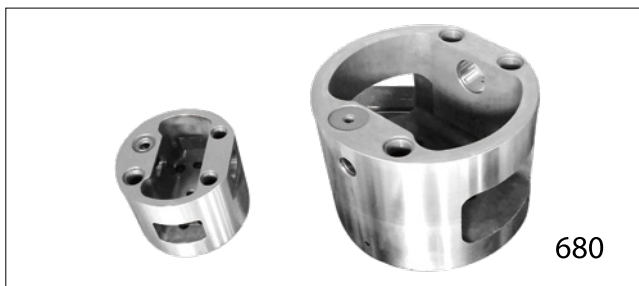
规格 Spec.	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	三爪重量 Weight(Kg)
TN1-04	26	14	15	10	14	6	9.5	M8	5	-	-	0.06
TN1-06	36	17	18.5	12	20	8	11	M10	6	-	-	0.15
TN1-08	46.5	20	20.5	14	25	10.5	12	M12	10	-	-	0.27
TN1-10	51	22	21.5	16	30	11	13	M12	11	-	-	0.36
TN1-12	56	29.5	23.5	21	30	12	12	M16	10	-	-	0.63
TN2-12	56	29.5	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

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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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



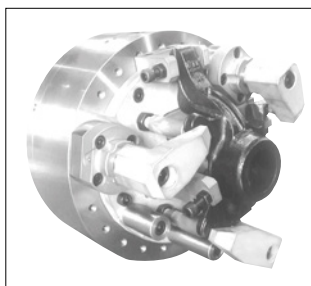
自动压板式夹具
Automatic clamp fixture



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



薄膜卡盘
Film chuck



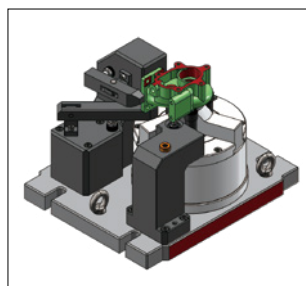
超大撑紧式筒夹
Super clamping chuck



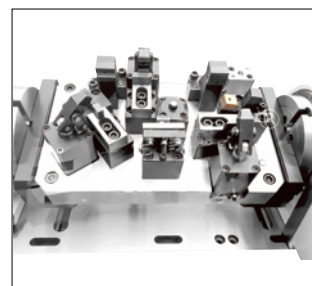
多排组合式筒夹
Multiple row type combined collet



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



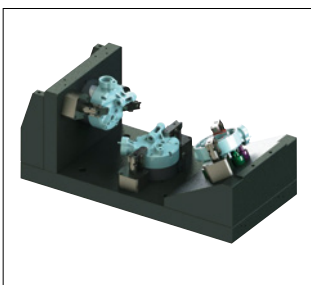
加工中心用工装
Processing center



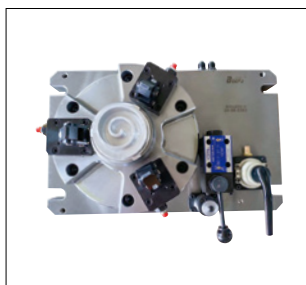
四轴夹具
Four-axis clamp



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