



WELDING POSITIONER & ROTATOR

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About DEM

Development, Efficiency, and Management, that is DEM.

DEM was founded in 2009 with a desire to develop welding & cutting products . DEM built its own R&D division, and quality control team, a stable supply chain system of a manufacturing facility in China. Offer ODM & OEM service.

DEM has grown to become a professional supplier of welding equipment and relative products. All products are manufactured in strict accordance with international standards ISO 9001, RoHS and a series certified.

DEM has a worldwide customer base, which buys both its own branded products and DEM branded products to meet market needs.



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BY-10



BY-50



BY-100

SPECIFICATIONS

Model	BY-10	BY-50	BY-100
Power Input	AC110V/220V 50/60Hz		
Capacity (Horizontal/Vertical) 0°/90°	10Kg/5Kg	50Kg/25Kg	100Kg/50Kg
Rated Center Of Gravity	/	/	/
Rated Eccentricity	/	50mm	50mm
Table Dimension	180mm	315mm	345mm
Table Height	220mm	375mm	415mm
Rotation Speed	2~10 rpm	1~7/15 rpm	1~7/15 rpm
Tilt Range	0~90°		
Tilt Way	Manual		
Rotation Motor	10W	80W	120W
Over Dimension	370×270×215mm	430×430×375mm	500×470×415mm



**BY-300****BY-600****SPECIFICATIONS**

Model	BY-300	BY-600
Power Input	AC110V220V 50/60Hz	
Capacity (Horizontal/vertical) 0°/90°	300Kg/150Kg	600Kg/300Kg
Rated Center Of Gravity	150	250mm
Rated Eccentricity	150	250mm
Table Dimension	450mm	650mm
Table Height	500mm	675mm
Rotation Speed	0.2~2.5 rpm.	0.1~1.8 rpm.
Tilt Range	0~90°	
Tilt Way	Manual	
Tilt Speed	/	0.75r.p.m.
Rotation Motor	200W	300W
Tilt Motor	/	300W
Over Dimension	500*520*500mm	





BYT-50



BYT-500

SPECIFICATIONS

Model	BYT-50	BYT-200	BYT-500
Power Input	AC110V/220V 50/60HZ		AC 380V 50/60HZ
Rotation Motor	90W	160W	400W
Capacity(0°/90°)	50/25kg	200/100kg	500/250kg
Max Center Of Gravity	100mm	100mm	200mm
Eccentricity	100mm	100mm	200mm
Table Dimension	φ340mm	φ390mm	φ690mm
Rotation Speed	1 -5rpm	0.5-4rpm	0.3-2.5rpm
Tilt Range	0-90°		0-90°
Center Hole's Dia	φ25mm		φ100mm





BY-1200



BY-5000

SPECIFICATIONS

Model	BY-1200	BY-3000	BY-5000
Power Input	AC380V 50/60Hz		
Rotation Motor	AC1.5KW	AC1.5KW	AC2.2KW
Tilt Motor	AC1.5KW	AC3.0KW	AC4.0KW
Max Capacity	1200Kg	3000Kg	5000Kg
Center Of Gravity	250mm	300mm	300mm
Max Eccentricity	200mm	200mm	200mm
Table Dimension	1200mm	400mm	1500mm
Rotation Speed	0.05-0.5rpm		0.05-.5rpm
Tilt Speed	0.6rpm		0.5rpm
Tilt Range	0-100°	0-120°	0-120°
Tilt Mode	Motor Drive		
Max Rotation Dia	1500mm	2000mm	2500mm





BY-50C / BY-100C / BY-300C



BY-50B / BY-100B / BY-300B



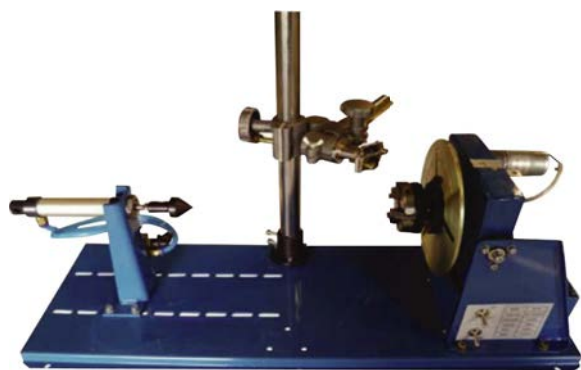
BY-50D / BY-100D / BY-300D



BY-50T / BY-100T / BY-300T



BY-10T



SPECIFICATIONS

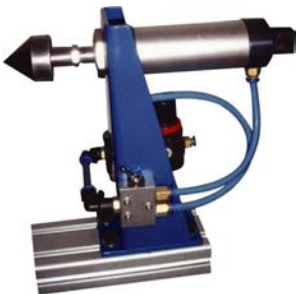
Model	BY-10T
Power Input	AC110V/220V 50/60HZ
Capacity(Horizontal/ Vertical)	10Kg/5Kg
Table Dimension	180mm
Table Height	215mm
Rotation Speed	2-10rpm
Tilt Range	0-90°
Tilt Mode	Manual
Rotation Motor	220V/15W
Over Dimension	370*270*215mm



SPECIAL COMBINED POSITIONER



New type air-powered
torch support

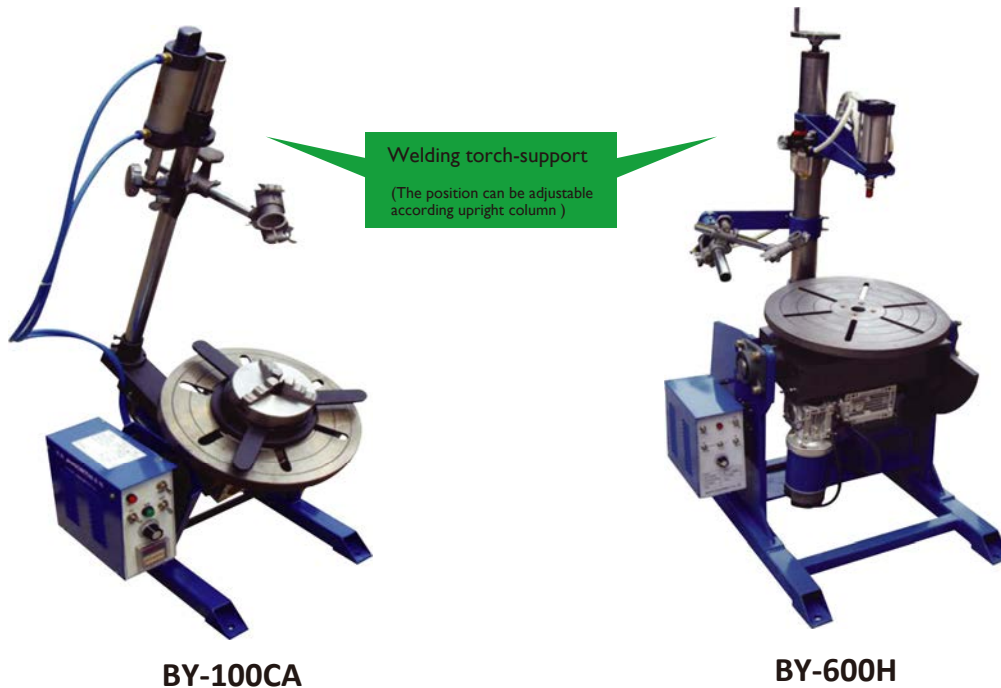


Air-powered tip assembly



Foot Pedal





BY-100CA

BY-600H

SPECIFICATIONS

Model	BY-100ca	BY-600h
Power Input	AC110V/220V 50/60Hz	AC220V 50Hz
Capacity (Horizontal/Vertical)	100Kg/50Kg	600Kg/300Kg
Table Dimension	345mm	450mm
Table Height	415mm	675mm
Rotation Speed	1-7rpm or 2-15rpm	0.2-1.8rpm
Tilt Range	0-90°	0-90°
Tilt Mode	Manual Drive	Motor Drive
Rotation Motor	120W	0.37KW
Tilt Speed	/	2.5rpm

Remark: These positioners can conduct automatic circular seam welding or cutting by equipped with pneumatic welding or cutting gun feeding mechanism and pneumatic core clamber, With screw installed on upright post, the distance between pneumatic core clamber and operation platform can be adjusted by turning handle wheel. The welding or cutting gun feeding mechanism is adjustable at any angles.





BYP-600

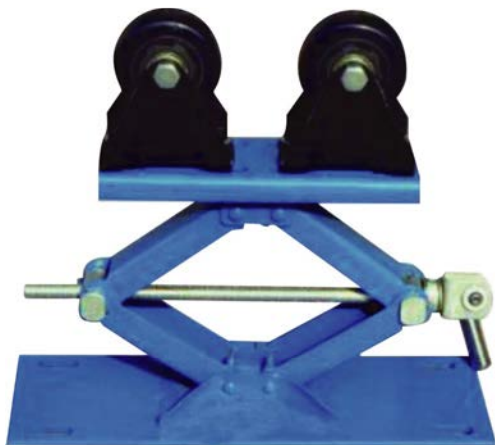


BYM-600

SPECIFICATIONS

Model	BYP-600	BYM-600
Power Input	AC220V 50/60Hz	AC220V 50/60Hz
Load Capacity	600Kg	600kg
Table Dimension	1000mm	1000mm
Table Height	700mm	700mm
Tilt Angle	±180°	/
Air Pressure	0.4-0.8MPa	/
Rotation Speed Range	/	0.3-2rpm
Motor Power	/	0.37kw



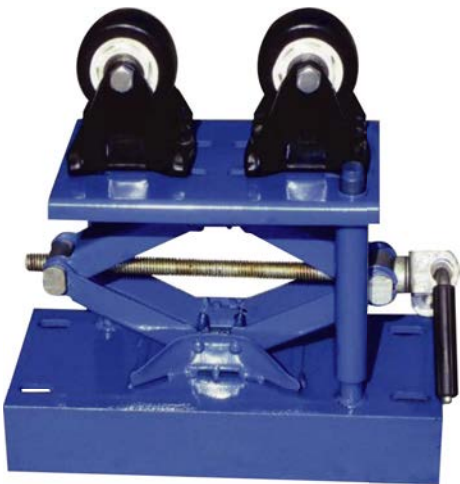


SPECIFICATIONS

Model	MD-200
Capacity	200kgs
Height Range	200~350mm
Diameter Range	φ40~φ200mm

SPECIFICATIONS

Model	MD-400
Capacity	400kgs
Height Range	280~400mm
Diameter Range	φ40~φ350mm



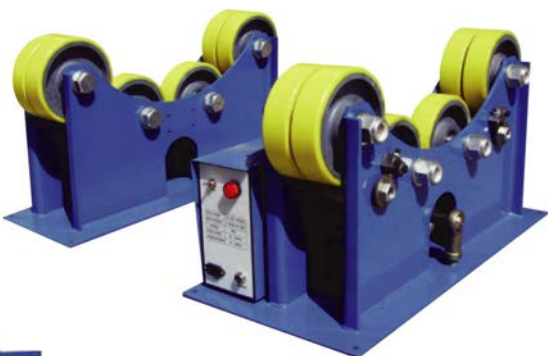
SPECIFICATIONS

Model	MD-600
Capacity	600kgs
Height Range	470~670mm
Diameter Range	φ30~φ600mm

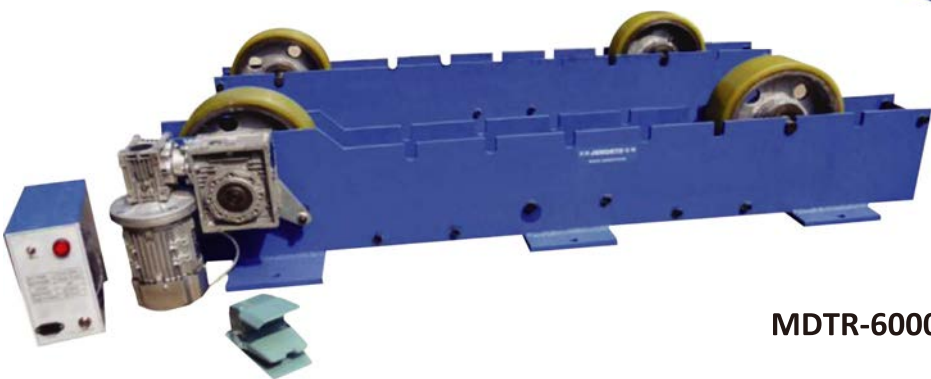




MDTR-1000



MDTR-3000



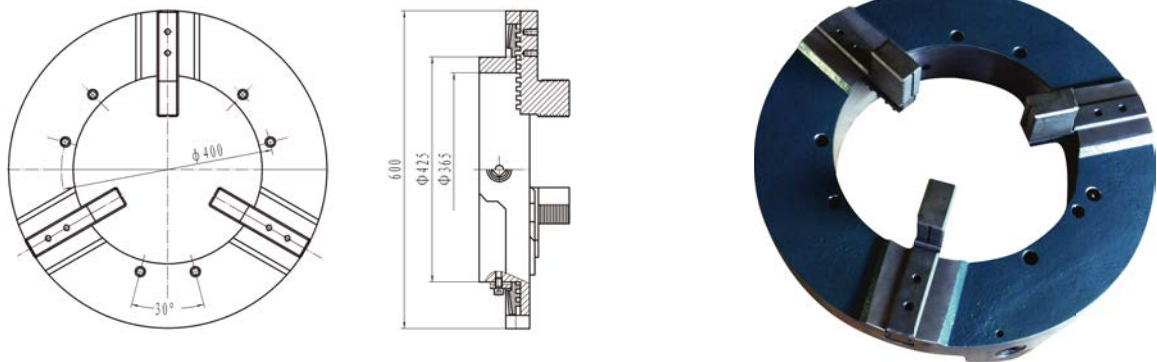
MDTR-6000

SPECIFICATIONS

Model	MDTR-1000	MDTR-3000	MDTR-6000
Input Power	AC110/220V,50/60Hz	AC0110/220V,50/60Hz	AC110/220V,50/60Hz
Turning Capacity	1000Kg	3000Kg	6000Kg
Load Capacity	1000Kg	3000Kg	6000Kg
Max Range	1500mm/min	1500mm/min	1500mm/min
Diameter Range	20-700mm	40-1400mm	160-4000mm
Drive Motor	DC220V 120W	AC220V 200W	AC380V 370W
Roller Type	NH,50mm(W)*200mm(φ)	NH,50mm(W)*200mm(φ)	NH,100mm(W)*300mm(φ)
Dimension	520*470*390mm	Drive:800*370*360mm Idler:800*260*360mm	520*470*390mm
Net Weight	Drive 45Kg ,Idler 20Kg	Drive 120Kg ,Idler 20Kg	200Kg



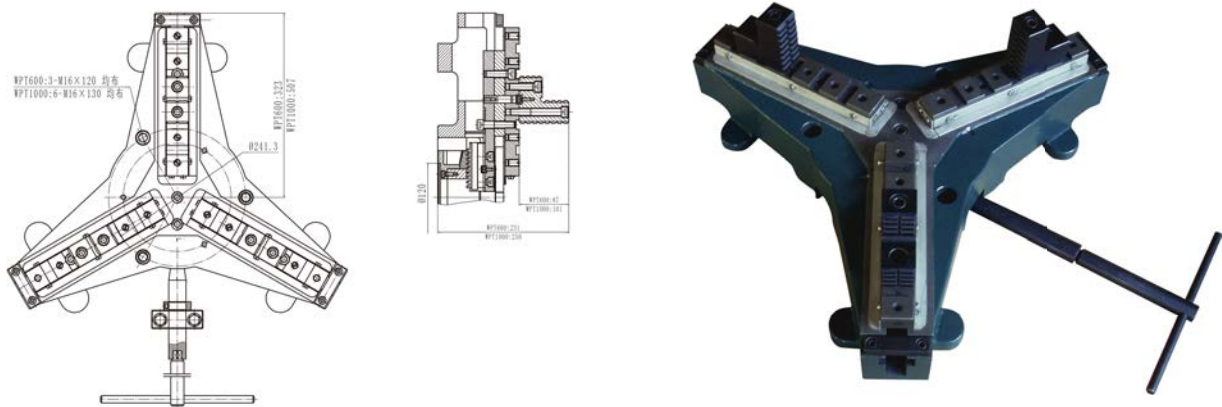
WPS600



SPECIFICATIONS

Clamping Range		Screw (mm)	Support Weight	Gross Weight
Internal Jaw(mm)	External Jaw(mm)			
Φ150-410	Φ400-620	6-M12*110	1000KG	87KG

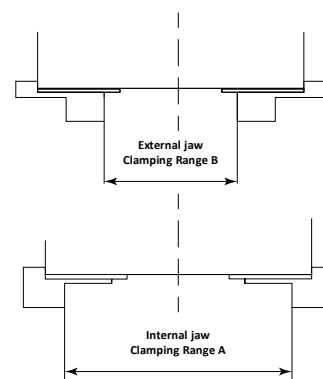
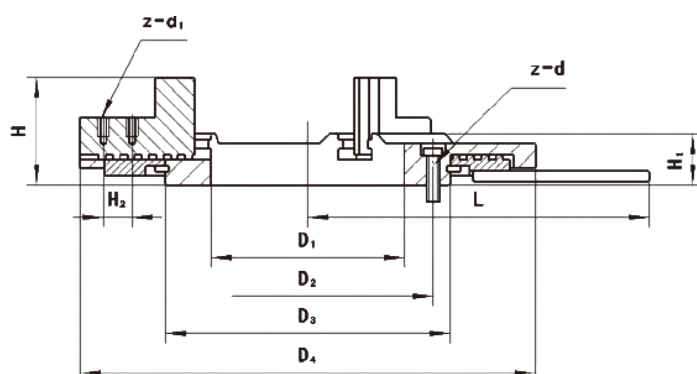
WPT600



SPECIFICATIONS

Model	Clamping Range		Screw	Support Weight	Gross Weight
	Internal Jaw (mm)	External Jaw (mm)			
WPT600	φ85-530	φ170-615	3-M6*120	1000kg	68kg
WPT1000	φ85-950	φ170-1080	6-M6*130	1000kg	140kg





SPECIFICATIONS

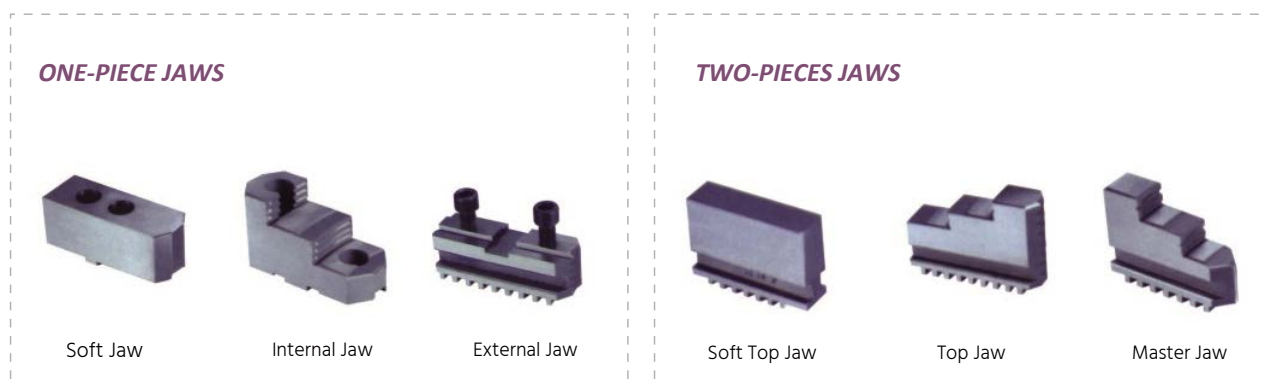
Model	Di	D2	D3	D4	H	H1	H2	L	Z-di	Z-d
Wp200a	65	82	100	200	69	39	21	180	6-M6	3-M8*35
Wp200	80	100	120	200	69	39	21	200	6-M6	3-M8*35
Wp300	100	120	150	300	69	39	21	240	6-M6	3-M8*30
Wp400	170	220	250	400	95	45	25	300	6-M6	3-M10*40
Wp500	240	280	320	500	110	60	25	350	6-M6	3-M12*55
Wp600	365	400	425	600	170	105	40	425	6-M12	6-M12*110
Wp750	515	542.5	570	750	170	105	40	500	6-M12	6-M12*110

Model	Allowable Clamp Force	Support Weight	Internal Jaw Clamping Range A	External Jaw Clamping Range B
WP200A	200kg	30kg	φ110-210	φ10-130
WP200	200kg	30kg	φ110-210	φ20-130
WP300	250kg	20kg	φ170-280	φ80-190
WP400	350kg	240kg	φ250-380	φ120-250
WP500	800kg	600kg	φ360-500	φ200-340
WP600	200kg	1000kg	φ450-600	φ300-450
WP750	1400kg	1200kg	φ550-800	φ380-580

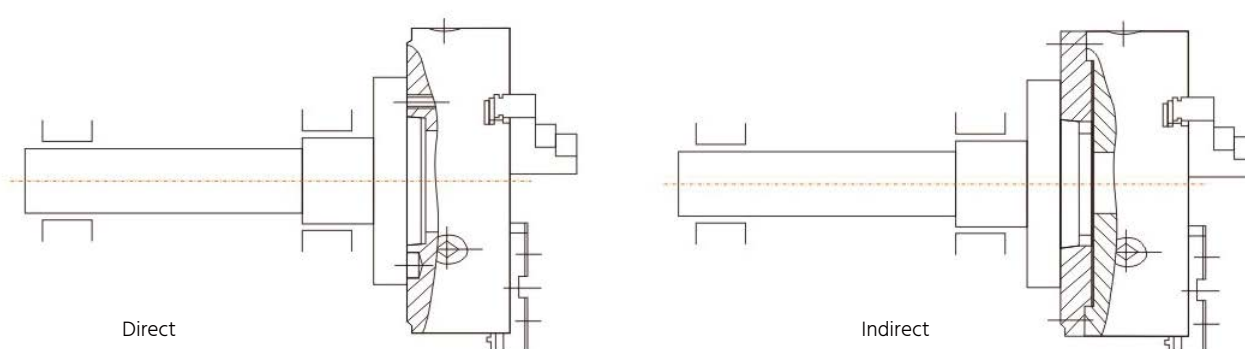




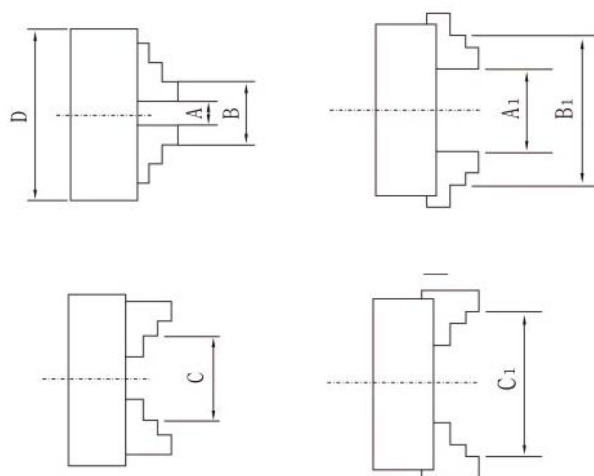
Jaws



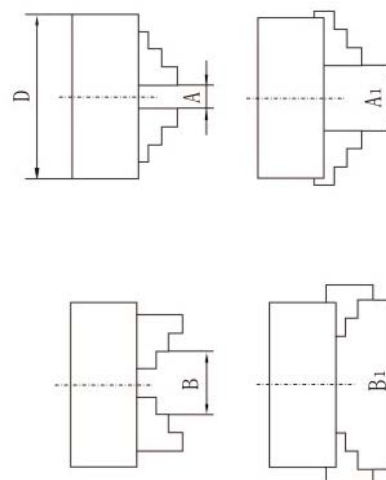
THE CONNECTION TO SPINDLE



Three-jaws Self-centering Chuck Clamping Range



Four-jaws independent Chuck Clamping Range



CLAMPING RANGE

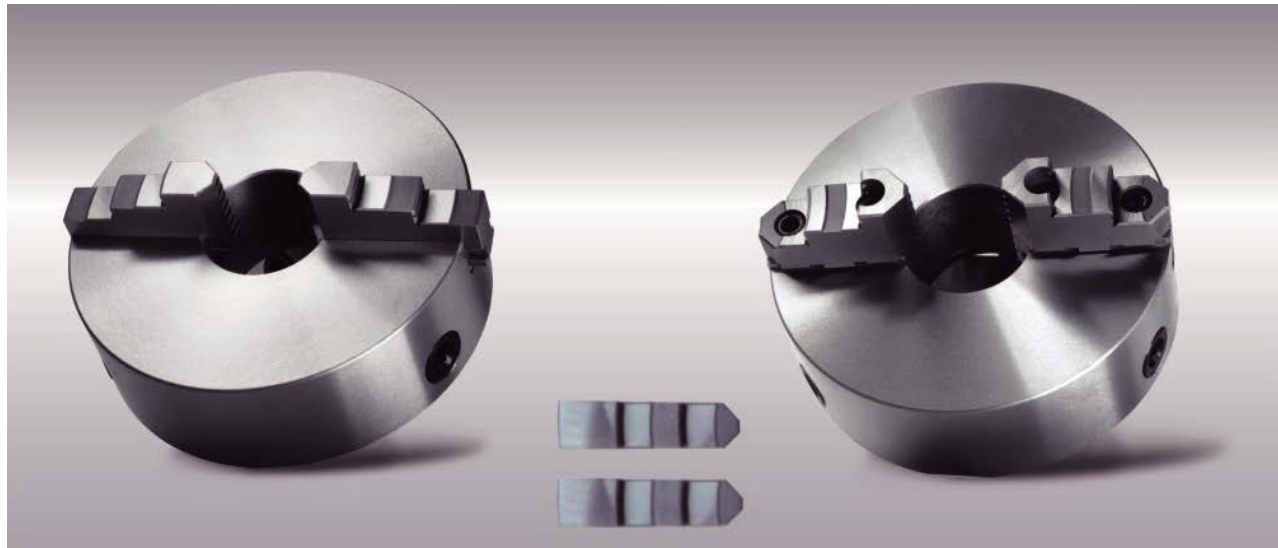
Size	Internal Jaw		External Jaw
	A-A1	B-B1	C-C1
80	2~22	25~70	22~63
100	2~30	30~90	30~80
125	2.5~40	38~125	38~110
130	3~40	40~130	40~120
160	3~55	50~160	55~145
165	4~60	52~165	55~150
190	4~70	65~190	65~190
200	4~85	65~200	65~200
240	6~100	80~250	90~250
250	6~110	80~250	90~250
315	10~140	95~315	100~315
320	10~140	95~320	100~320
325	10~140	95~325	100~325
380	15~210	120~380	120~380
400	15~210	120~400	120~400
500	25~280	150~500	150~500
630	50~350	170~630	170~630
800	150~450	300~800	300~800
1000	290~600	430~1000	430~1000

CLAMPING RANGE

Size	Internal Jaw	External Jaw
	A-A1	B-B1
80	5~35	35~80
100	6~45	40~100
125	7~57	48~125
160	8~80	50~160
200	10~100	63~200
250	15~130	80~250
300	20~156	100~300
315	20~170	100~315
320	20~176	100~320
350	20~206	100~350
400	25~250	118~400
500	35~300	125~500
630	50~400	160~630
800	70~540	200~800
1000	100~680	250~1000

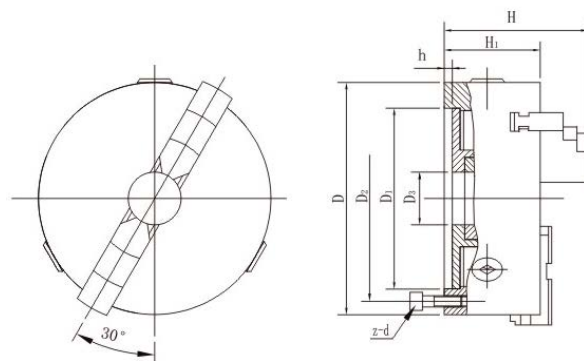


K10 SERIES



DESCRIPTION

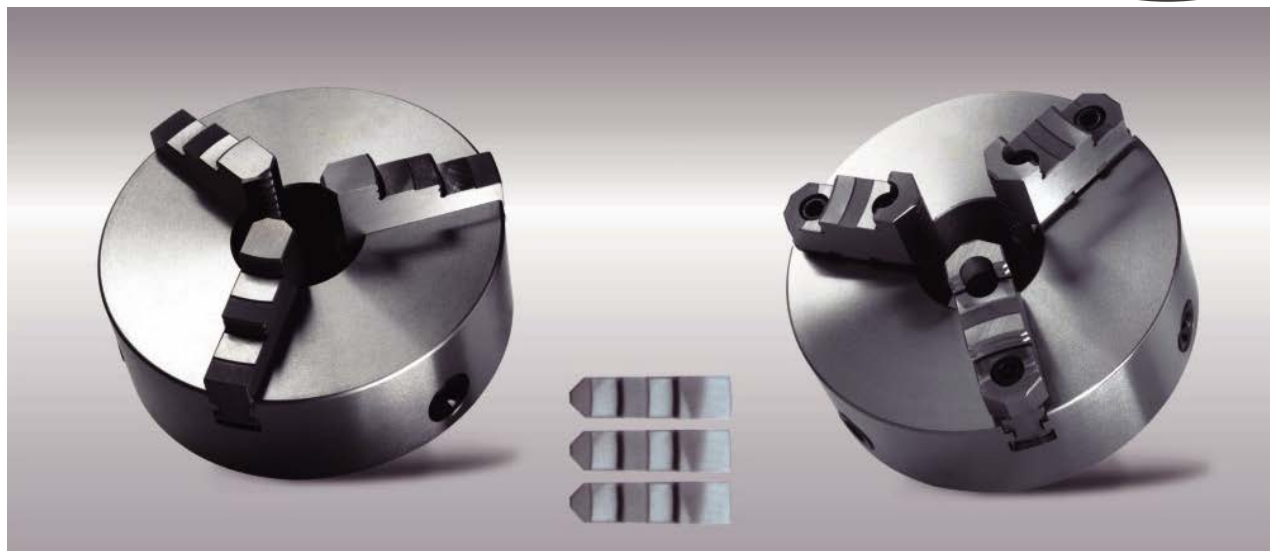
K10 series two-jaw self-centering chucks are designed for use with a variety of special shaped workpieces, include tubes and rectangular section accessories. The separate jaws and soft jaws provide a hold that is both secure and accurate, while the ability to change plates allows for a variety of holding styles. After being rubbed on the machine, these chucks provide outstanding centring accuracy, making them ideal for a variety of applications.



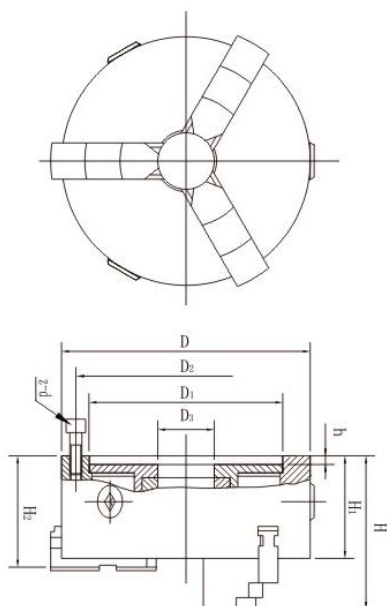
SPECIFICATION

MODEL	D1	D2	D3	H	H1	h	z-d
K10160	130	142	40	95	65	5	3-M8
K10160A	130	142	40	109	65	5	3-M8
K10165	130	145	40	95	65	5	3-M8
K10165A	130	145	40	109	65	5	3-M8
K10200	165	180	65	109	75	5	3-M10
K10200A	165	180	65	122	755		3-M10
K10250	206	226	80	120	805		3-M12
K10250A	206	226	80	133	805		3-M12
K10315	260	285	100	142.5	90	6	3-M16
K10315A	260	285	100	155.5	90	6	3-M16
K10320	270	290	100	142.5	90	6	3-M16
K10320A	270	290	100	155.5	90	6	3-M16
K10325	272	290	100	142.5	90	6	3-M16
K10325A	272	290	100	155.5	90	6	3-M16
K10380	325	350	130	155.5	100	6	3-M16
K10380A	325	350	130	170.5	100	6	3-M16
K10400	340	368	130	155.5	100	6	3-M16
K10400A	340	368	130	170.5	100	6	3-M16



K11 SERIES**ISO3442****DESCRIPTION**

K11 series Three-jaw Self-centering chuck is perfect for a wide range of applications. It is subdivided into two types, K11 and K11A. Type K11 provides two sets of jaws in different directions which can be used respectively. Type K11A provides ISO3442 standard jaws. Soft jaws are to be provided on request. Higher centring accuracy can be achieved after being rubbed on the machine, so as to satisfy the need for holding.

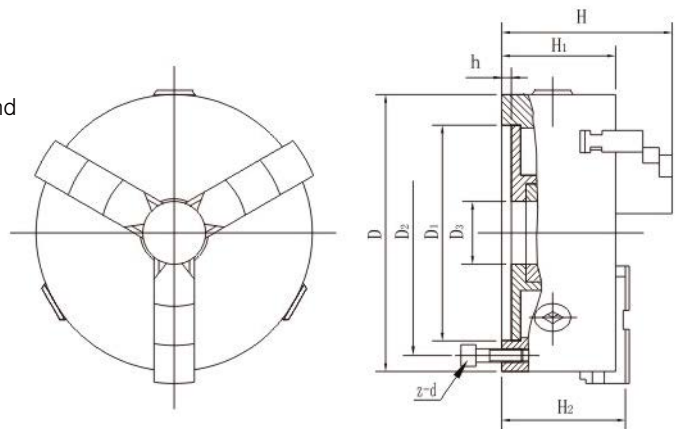
**SPECIFICATION**

SEPC./MODEL	D1	D2	D3	H	H1	H2	h	z-d
K1180	55	66	16	66	50	-	3.5	3-M6
K11100	72	84	22	74.5	55	-	3.5	3-M8
K11125	95	108	30	85	58	-	4	3-M8
K11130	100	115	30	85	58	-	4	3-M8
K11160	130	142	40	95	65	-	5	3-M8
K11160A	130	142	40	109		65	5	3-M8
K11165	130	145	40	95		65	5	3-M8
K11165A	130	145	40	109		65	5	3-M8
K11190	155	172	55	109	75	-	5	3-M10
K1190A	155	172	55	122	75	80	5	3-M10
K11200	165	180	65	109	75	-	5	3-M10
K11200A	165	180	65	122	75	80	5	3-M10
K11240	195	215	70	120	80	-	8	3-M12
K11240A	195	215	70	133	80	85	8	3-M12
K11250	206	226	80	120	80	-	5	3-M12
K11250A	206	226	80	133	80	85	5	3-M12
K1315	260	285	100	142.5	90	-	6	3-M16
K11315A	260	285	100	155.5	90	96.5	6	3-M16
K1320	270	290	100	142.5	90	-	6	3-M16
K11320A	270	290	100	155.5	90	96.5	6	3-M16
K11325	272	296	100	142.5	90	-	6	3-M16
K11325A	272	296	100	155.5	90	96.5	6	3-M16
K11380	325	350	130	155.5	100	-	6	3-M16
K11380A	325	350	130	170.5	100	96.5	6	3-M16
K11400	340	368	130	155.5		100	6	3-M16
K11400A	340	368	130	170.5		100	6	3-M16
K11500	440	465	200	176		115	6	6-M16
K11500A	440	465	200	203	115	123	6	6-M16
K11630	560	595	260	192	130	-	7	6-M16
K11630A	560	595	260	218	130	138	7	6-M16
K11800A	710	760	385	249	148	158	8	6-M20
K111000A	910	950	460	266	165	-	8	6-M24
K111250A	910	950	500	281	180	-	10	6-M24



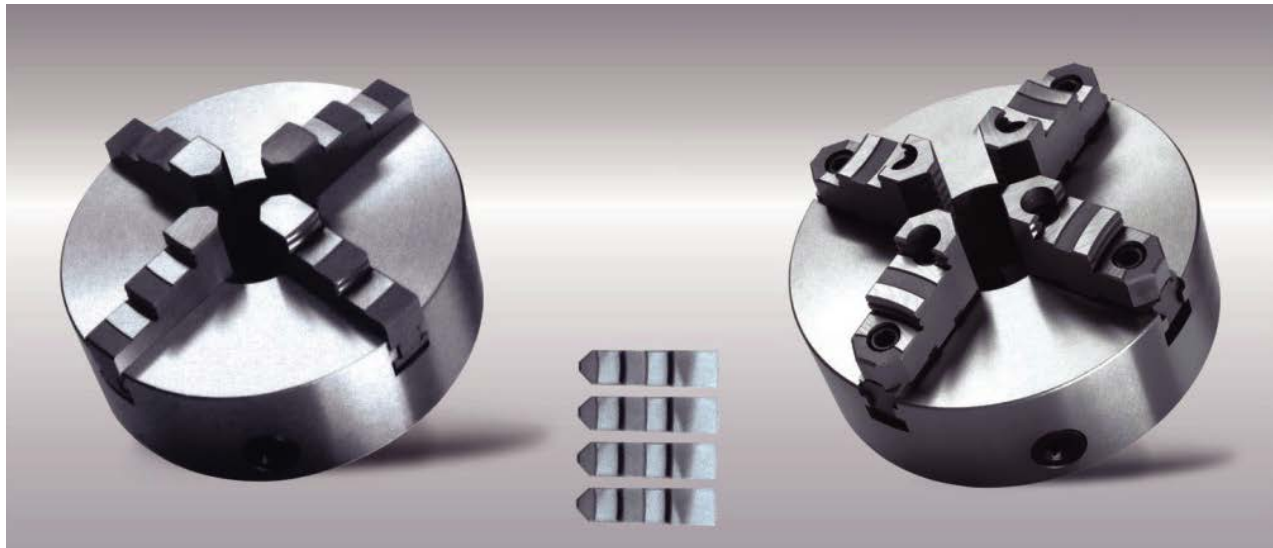
K11 SERIES**ISO3442****DIN6350****DESCRIPTION**

German DIN 6350 standard type and they are mounted to spindle through an adapting flange. A set of internal jaws and a set of external jaws are provided with as well as 2-piece jaws. Two-piece jaws are according to ISO3442 Standard. Soft jaws are offered upon users' requests to increase the clamping accuracy by remachining.

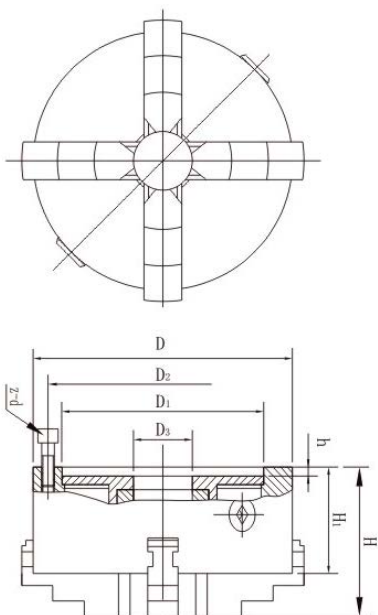
**SPECIFICATION**

MODEL	D1	D2	D3	H	H1	H2	h	z-d
Dk1180	56	67	16	66	50	-	3	3-M6
Dk11100	70	83	22	74.5	55	-	3	3-M8
Dk11125	95	108	30	84	58	-	4	3-M8
Dk11160	125	140	45	95	65	-	4	6-M10
DK11160A	125	140	45	109	65	71	4	6-M10
Dk11200	160	176	65	109	75		4	6-M10
DK11200A	160	176	65	122	75		4	6-M10
Dk11250	200	224	80	120	80		5	6-M12
DK11250A	200	224	80	134.5	80	86	5	6-M12
Dk11315	260	286	104	131.5	90	-	5	6-M16
DK11315A	260	286	104	148.5	90	96.5	5	6-M16
Dk11400	330	362	136	157.5	100	-	5	6-M16
DK11400A	330	362	136	167	100	108.5	5	6-M16
DK11500A	420	458	200	203	115	123	6	6-M16
DK11630A	545	586	260	218	130	138	7	6-M16
DK11800A	710	760	385	249	148	158	8	6-M20
DK111000A	910	950	460	266	165	175	8	6-M24



K12 SERIES**ISO3442****DESCRIPTION**

K12 series Four- jaw Self- centring chuck is suitable for square, eight- square prism parts, self centering and quick change. Type K12 provides two sets of jaws in different directions, which can be used respectively, Type K12A provides ISO3442 standard jaws.

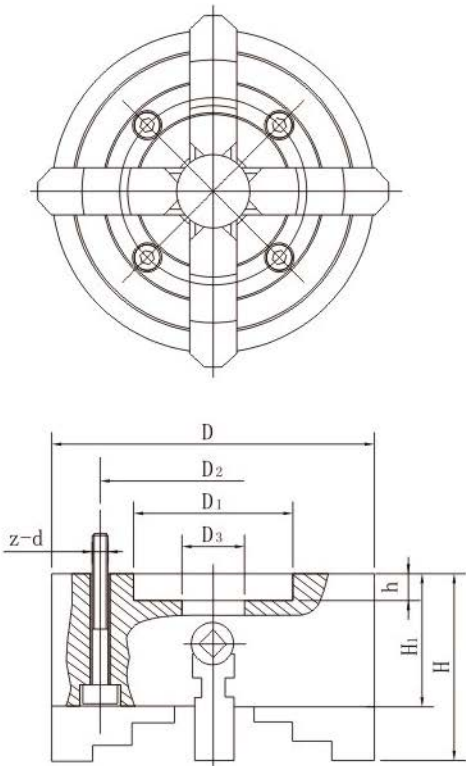
**SPECIFICATIONS**

MODEL	D1	D2	D3	H	H	h	z-d
K1280	55	66	16	66	50	3.5	3-M6
K12100	72	84	22	74.5	55	3.5	3-M8
K12125	95	108	30	85	58	4	3-M8
K12130	100	115	30	85	58	4	3-M8
K12160	130	142	40	95	65	5	3-M8
K12160A	130	142	40	109	65	5	3-M8
K12165	130	145	40	95	65	5	3-M8
K12165A	130	145	40	109	65	5	3-M8
K12190	155	172	55	109	75	5	3-M10
K12190A	155	172	55	122	75	5	3-M10
K12200	165	180	65	109	75	5	3-M10
K12200A	165	180	65	122	75	5	3-M10
K12240	195	215	70	120	80	8	3-M12
K12240A	195	215	70	133	80	8	3-M12
K12250	206	226	80	120	80	5	3-M12
K12250A	206	226	80	133	80	5	3-M12
K12315	260	285	100	142.5	90	6	3-M16
K12315A	260	285	100	155.5	90	6	3-M16
K12320	270	290	100	142.5	90	6	3-M16
K12320A	270	290	100	155.5	90	6	3-M16
K12325	272	296	100	142.5	90	6	3-M16
K12325A	272	296	100	155.5	90	6	3-M16
K12380	325	350	130	155.5	100	6	3-M16
K12380A	325	350	130	170.5	100	6	3-M16
K12400	340	368	130	155.5	100	6	3-M16
K12400A	340	368	130	170.5	100	6	3-M16
K12500	440	465	200	176	115	6	6-M16
K12500A	440	465	200	203	115	6	6-M16
K12630	560	595	260	192	130	7	6-M16
K12630A	560	595	260	218	130	7	6-M16
K12800A	710	760	385	249	148	8	6-M20
K121000A	910	950	460	266	165	8	6-M24



K72 SERIES

INDEPENDENT CHUCK



DESCRIPTION

K72 series Four-jaw independent chuck adopts short cylinder and short circular cone shape. Short circular cone shape can be subdivided into two types according to the way of joining with the spindle nose of machine tool

- Type A(joined with screw),
- Type C(bolt locking joint),
- Type D(pull rod,cam locking joint).

SPECIFICATION (mm)

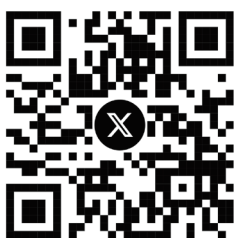
Short cylinder type

MODEL	D1	D2	D3	H	H1	h	z-d
K7280	55	66	22	59	43	4	4-M6
K72100	72	84	25	77	54	4	4-M8
K72125	95	108	30	78	56	5	4-M8
K72160	65	95	45	93	65	5	4-M10
K72200	75	95	55	107	75	6	4-M10
K72250	110	130	75	120	80	6	4-M12
K72315/k72320	140	165	95	138	90	6	4-M16
K72350	140	168	95	138	90	6	4-M16
K72400	160	185	125	143	95	8	4-M16
K72500	200	236	160	160	105	8	4-M20
K72520	260	300	205	160	105	10	4-M16
K72630	220	258	180	180	116	10	4-M20
K72800	250	300	210	210	135	12	8-M20
K721000	320	370	260	241	150	15	8-M20
K721250	400	500	305	256	165	15	8-M20





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