

**ZITHER**<sup>®</sup>  
Gripping Force Since 1959

*Precision Above Expectations !!*

**POWER CHUCKS  
MANUAL CHUCKS**

**ZITHER**<sup>®</sup>

**STRONGER GRIP**

**VALUE FOR MONEY**

**LONG SERVICE LIFE**

**HIGH ACCURACY**

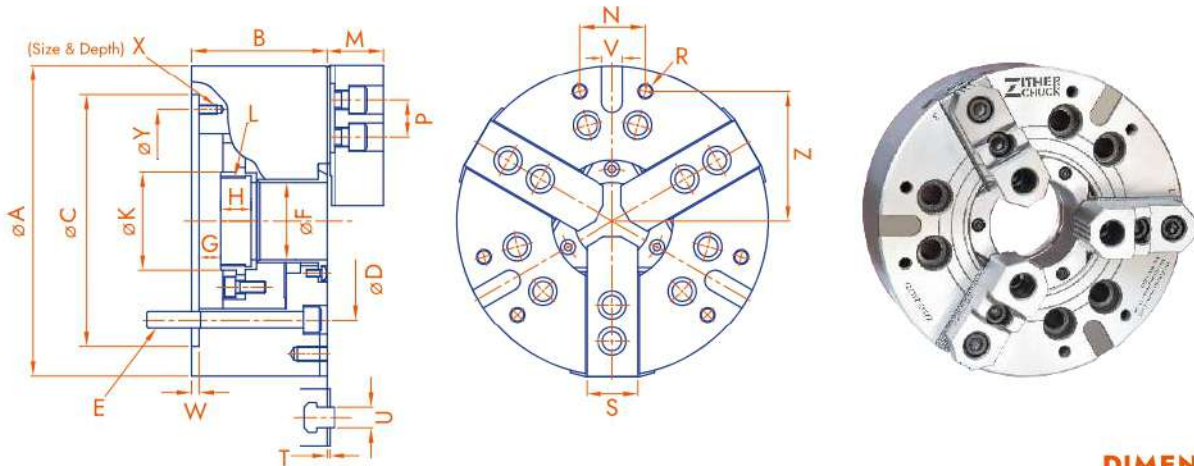


# LARGE THRU-HOLE POWER CHUCKS



## K - TYPE Serration Pitch 1.5mm x 60°

ZITHER Large Thru-Hole (Open Center) Wedge Type Power Operated Chucks are ideal for high speed Universal machining requirements. These are manufactured out of High Quality alloyed steels which are tested metallurgically and physically before processing. All the parts are suitably heat treated and are precisely ground to perfection which ensures high accuracy and a long service life. These chucks need to be fitted with suitable Mounting flanges. All Sizes are available in 2, 3 & 4 Jaw configurations except 110mm size in which 4-jaw is not available.



### DIMENSIONS

Product Code*	Size	A	B	C (H6)	W	D	E	F	G Max.	G Min.	H	K	M
1170 - 1103	110	110	59	85	4	70.6	M10	26	3.5	-6.5	17.5	38	24
1170 - 1353	135	135	60	110	4	82.6	M10	33	1	-9	20	45	26
1170 - 1703	170	169	81	140	5	104.8	M10	45	11	-1	19	60	29
1170 - 2103	210	210	91	170	5	133.4	M12	52	14.5	-1.5	20.5	66	39
1170 - 2543	254	254	100	220	5	171.4	M16	75	8.5	-10.5	25	94	43
1170 - 3043	304	304	110	220	6	171.4	M16	91	8	-15	28	108	51

Product Code*	Size	U	P	T	S	V	Z	N	R	L Max. Draw Nut Thread	X (3 Holes)	Y
1170 - 1103	110	10	14	2	23	10	45	25	M6	M32 x 1.5	-	-
1170 - 1353	135	10	14	2	23	10	52	30	M6	M40 x 1.5	-	-
1170 - 1703	170	12	20	2	32	16	65	36	M8	M55 x 2	M6 x 10	116
1170 - 2103	210	14	25	2	37	16	85	45	M8	M60 x 2	M6 x 12	150
1170 - 2543	254	16	30	2	42	16	105	60	M10	M85 x 2	M8 x 15	190
1170 - 3043	304	21	30	2	52	20	125	60	M10	M100 x 2	M8 x 15	190

### SPECIFICATIONS

Product Code*	Size	Serration Pitch	Jaw Stroke Diametrically (mm)	Plunger Stroke (mm)	Maximum RPM	Max. Operating Pressure Kg/cm <sup>2</sup> Mpa	Max. Draw Bar Pull Force kN Kgf	Max. Gripping Force kN Kgf	Gripping Range (mm) Max. Min.	Wt. Approx. With Top Soft Jaws
1170 - 1103	110	1.5mm x 60°	5.4	10	7000	28.6 2.80	14.0 1428	28.5 2906	110 7	4.0
1170 - 1353	135	1.5mm x 60°	5.4	10	6000	28.6 2.80	17.5 1784	36.0 3671	135 12	6.7
1170 - 1703	170	1.5mm x 60°	5.5	12	6000	28.6 2.80	22.0 2243	57.0 5812	169 16	11.9
1170 - 2103	210	1.5mm x 60°	7.4	16	5000	27.0 2.65	34.8 3549	86.0 8769	210 13	22.3
1170 - 2543	254	1.5mm x 60°	8.8	19	4200	27.5 2.70	43.0 4385	111.0 11319	254 31	34.5
1170 - 3043	304	1.5mm x 60°	10.6	23	3200	27.5 2.70	55.0 5608	144.0 14686	304 34	55.3

\* Product code is for 3 - Jaw Chuck. Replace last digit 3 with 2 for 2 - Jaw Chuck and with 4 for 4 - Jaw Chuck.

## A - TYPE Serration Pitch 1/16" x 90°

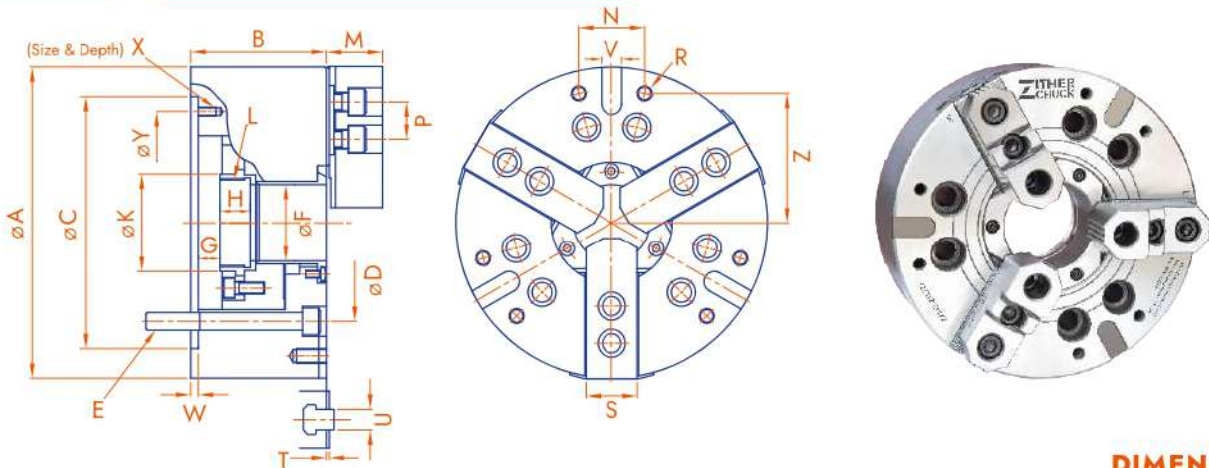
Dimensions and specifications of A - Type chucks are same as that of K - Type chucks except the serration.

→ Blank Draw Nuts / Draw Nuts with Non - Standard Threads can also be provided.

# EXTRA LARGE BORE POWER CHUCKS

**K - TYPE**

Serration Pitch 1.5mm x 60°



### DIMENSIONS

Product Code*	Size	A	B	C (H6)	W	D	E	F	G Max.	G Min.	H	K	M
1170-2103BB	210	210	91	170	5	133.4	M12	66	12.5	-3.5	21	80	39
1170-2543BB	254	254	100	220	5	171.4	M16	91	8.5	-10.5	25	109	43
1170-3253BB	325	325	110	300	6	235	M20	122	8	-15	28	143	51

Product Code*	Size	U	P	T	S	V	Z	N	R	L Max. Draw Nut Thread	X (3 Holes)	Y
1170-2103BB	210	14	25	2	37	16	85	45	M8	M75 x 2	M6 x 12	150
1170-2543BB	254	16	30	2	42	16	105	60	M10	M100 x 2	M8 x 15	190
1170-3253BB	325	21	30	2	52	20	140	60	M10	M135 x 2	M8 x 15	260

### SPECIFICATIONS

Product Code*	Size	Serration Pitch	Jaw Stroke Diametrically (mm)	Plunger Stroke (mm)	Maximum RPM	Max. Operating Pressure Kg/cm <sup>2</sup> Mpa	Max. Draw Bar Pull Force kN Kgf	Max. Gripping Force kN Kgf	Gripping Range (mm) Max. Min.	Wt. Approx. With Top Soft Jaws
1170-2103BB	210	1.5mm x 60°	7.4	16	5000	22.0 2.15	34.8 3549	86.0 8769	210 27	24.0
1170-2543BB	254	1.5mm x 60°	8.8	19	4200	27.5 2.70	43.0 4385	111.0 11319	254 47	35.0
1170-3253BB	325	1.5mm x 60°	10.6	23	3200	20.5 2.00	55.0 5608	144.0 14686	325 65	72.0

\* Product code is for 3 - Jaw Chuck. Replace 3BB with 2BB for 2 - Jaw Chuck and 3BB with 4BB for 4 - Jaw Chuck.

# LONG STROKE POWER CHUCKS

**K - TYPE**

Serration Pitch 1.5mm x 60°

### DIMENSIONS

Product Code*	Size	A	B	C (H6)	W	D	E	F	G Max.	G Min.	H	K	M
1170-1703L	170	169	92	140	5	104.8	M10	45	11.6	-11.4	19	60	29
1170-2103L	210	210	102	170	5	133.4	M12	52	15.6	-12.4	18	66	39
1170-2543L	254	254	112	220	5	171.4	M16	75	20	-11	19.5	94	43

Product Code*	Size	U	P	T	S	V	Z	N	R	L Max. Draw Nut Thread	X (3 Holes)	Y
1170-1703L	170	12	20	2	32	16	65	36	M8	M55 x 2	M6 x 10	116
1170-2103L	210	14	25	2	37	16	85	45	M8	M60 x 2	M6 x 12	150
1170-2543L	254	16	30	2	42	16	105	60	M10	M85 x 2	M8 x 15	190

### SPECIFICATIONS

Product Code*	Size	Serration Pitch	Jaw Stroke Diametrically (mm)	Plunger Stroke (mm)	Maximum RPM	Max. Operating Pressure Kg/cm <sup>2</sup> Mpa	Max. Draw Bar Pull Force kN Kgf	Max. Gripping Force kN Kgf	Gripping Range (mm) Max. Min.	Wt. Approx. With Top Soft Jaws
1170-1703L	170	1.5mm x 60°	12.3	23	6000	28.6 2.80	21.0 2141	46.0 4692	169 16	14.0
1170-2103L	210	1.5mm x 60°	15.0	28	5000	27.0 2.65	30.0 3059	63.0 6426	210 13	25.0
1170-2543L	254	1.5mm x 60°	15.5	31	4200	27.5 2.70	40.0 4079	87.0 8874	254 31	39.0

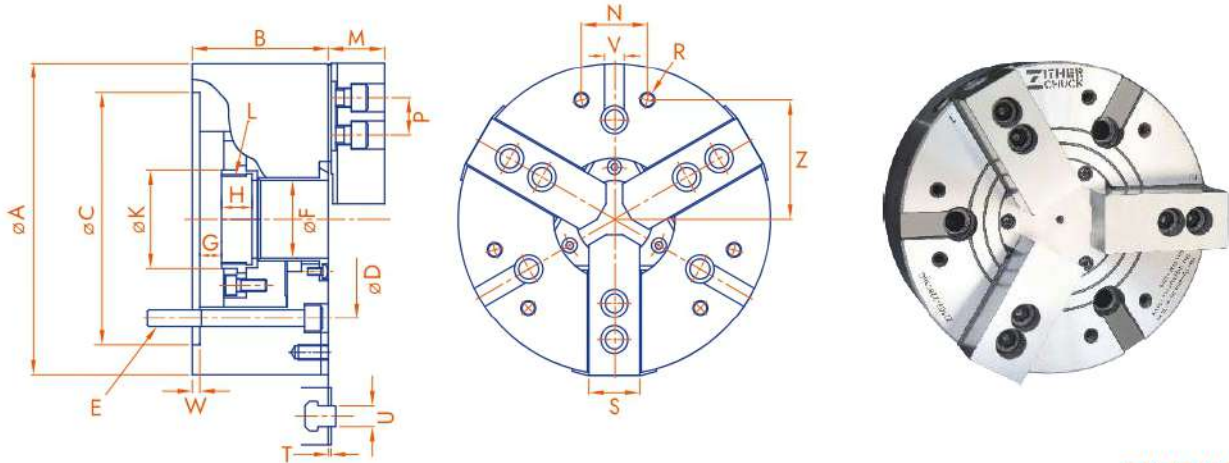
\* Product code is for 3 - Jaw Chuck. Replace 3L with 2L for 2 - Jaw Chuck and 3L with 4L for 4 - Jaw Chuck.

# LARGE THRU-HOLE POWER CHUCKS



## G-TYPE Serration Pitch 1/16" x 90°

ZITHER Large Thru-Hole (Open Center) Wedge Type Power Operated Chucks are ideal for high speed Universal machining requirements. These are manufactured out of High Quality alloyed steels which are tested metallurgically and physically before processing. All the parts are suitably heat treated and are precisely ground to perfection which ensures high accuracy and a long service life. These chucks need to be fitted with suitable Mounting flanges. All Sizes are available in 2, 3 & 4 Jaw configurations.



### DIMENSIONS

Product Code*	Size	A	B	C (H6)	W	D	E	F	G Max.	G Min.	H	K	M
1170-1353G	135	135	60	110	4	82.6	M10	33	1	-9	20	45	26
1170-1703G	170	169	81	140	5	104.8	M10	45	11	-1	19	60	29
1170-2103G	210	210	91	170	5	133.4	M12	52	14.5	-1.5	20.5	66	39
1170-2543G	254	254	100	220	5	171.4	M16	75	8.5	-10.5	25	94	43
1170-3043G	304	304	110	220	6	171.4	M16	91	8	-15	28	108	51

Product Code*	Size	U	P	T	S	V	Z	N	R	L Draw Nut Thread	L Maximum Draw Nut Thread
1170-1353G	135	10	14	2	23	10	52	30	M6	M40 x 1.5	M40 x 1.5
1170-1703G	170	12	19	2	35	16	65	36	M8	M42 x 1.5	M55 x 1.5
1170-2103G	210	17	19	2	40	16	80	45	M8	M55 x 2	M60 x 2
1170-2543G	254	21	25	2	45	16	105	60	M10	M72 x 2	M85 x 2
1170-3043G	304	21	25	2	52	20	125	60	M10	M92 x 2	M100 x 2

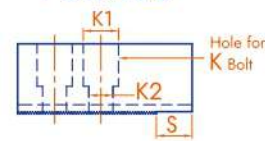
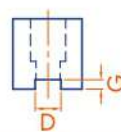
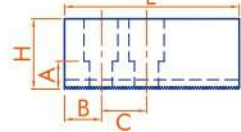
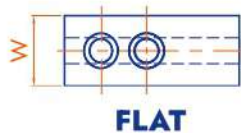
### SPECIFICATIONS

Product Code*	Size	Serration Pitch	Jaw Stroke Diametrically (mm)	Plunger Stroke (mm)	Maximum RPM	Max. Operating Pressure Kg/cm <sup>2</sup> Mpa	Max. Draw Bar Pull Force kN Kg	Max. Gripping Force kN Kg	Gripping Range (mm) Max. Min.	Wt. Approx. With Top Soft Jaws
1170-1353G	135	1/16" x 90°	5.4	10	6000	28.6 2.80	17.5 1784	36.0 3671	135 12	6.7
1170-1703G	170	1/16" x 90°	5.5	12	6000	28.6 2.80	22.0 2243	57.0 5812	169 16	11.9
1170-2103G	210	1/16" x 90°	7.4	16	5000	27.0 2.65	34.8 3549	86.0 8769	210 13	22.3
1170-2543G	254	1/16" x 90°	8.8	19	4200	27.5 2.70	43.0 4385	111.0 11319	254 31	34.5
1170-3043G	304	1/16" x 90°	10.6	23	3200	27.5 2.70	55.0 5608	144.0 14686	304 34	55.3

\* Product code is for 3 - Jaw Chuck. Replace last digit 3 with 2 for 2 - Jaw Chuck and with 4 for 4 - Jaw Chuck.

➔ Blank Draw Nuts / Draw Nuts with Non - Standard Threads can also be provided.

# SOFT JAWS



## K - TYPE

Serration Pitch 1.5mm x 60°

Product Code*	Size	L	H	W	A	B	C	D	G	K	K1	K2	Pointed	
													R	S
1170-1103-12	110	55	30	23	8.5	10	14	10	4	M8 x 20	13.5	8.5	4	8
1170-1353-12	135	55	30	23	8.5	12	14	10	4	M8 x 20	13.5	8.5	4	8
1170-1703-12	170	75	38	31	12	15	20	12	5	M10 x 25	17	11	8	15
1170-2103-12	210	95	38	38	15	20	25	14	5	M12 x 30	19	13	8	20
1170-2543-12	254	115	50	45	15	25	30	16	5	M12 x 30	19	13	8	20
1170-3043-12	304	120	60	48	17	30	30	21	4	M16 x 40	25	17	12	20

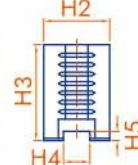
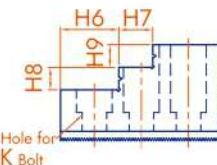
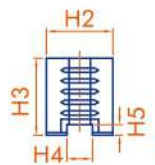
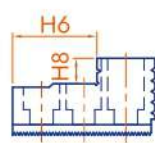
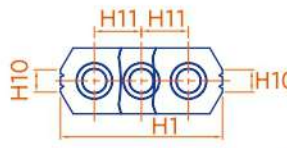
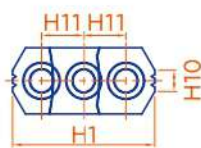
## G - TYPE

Serration Pitch 1/16" x 90°

Product Code*	Size	L	H	W	A	B	C	D	G	K	K1	K2	Pointed	
													R	S
1170-1353G-12	135	55	30	23	8	12.5	14	10	4	M8 x 20	13.5	8.5	4	8
1170-1703G-12	170	75	38	31	12	15	19	12	5	M10 x 25	17	11	8	15
1170-2103G-12	210	85	38	38	15	20	19	17	5	M12 x 30	19	13	8	20
1170-2543G-12	254	110	60	45	15	25	25	21	5	M16 x 40	25	17	8	20
1170-3043G-12	304	120	60	48	15	30	25	21	4	M16 x 40	25	17	12	20

\* Product code is for Flat type Soft Jaws for 3 - Jaw chuck. For Pointed Jaws append "P" with the code. For change of size, replace central digits with required size.

# HARD JAWS



## K - TYPE

Serration Pitch 1.5mm x 60°

Product Code*	Size	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	K
1170-1103-11	110	53	23	27.5	10	4	30.5	-	10	-	6	14	M8 x 20
1170-1353-11	135	53	23	27.5	10	4	30.5	-	10	-	6	14	M8 x 20
1170-1703-11	170	67	31	36	12	5	18	17	9	9	10	20	M10 x 25
1170-2103-11	210	86	35	51	14	5	31	18	12	12	12	25	M12 x 30
1170-2543-11	254	99.5	40	54	16	5	43	17	13	13	15	30	M12 x 30
1170-3043-11	304	103	50	52	21	4	62.5	-	17	-	30	30	M16 x 40

## G - TYPE

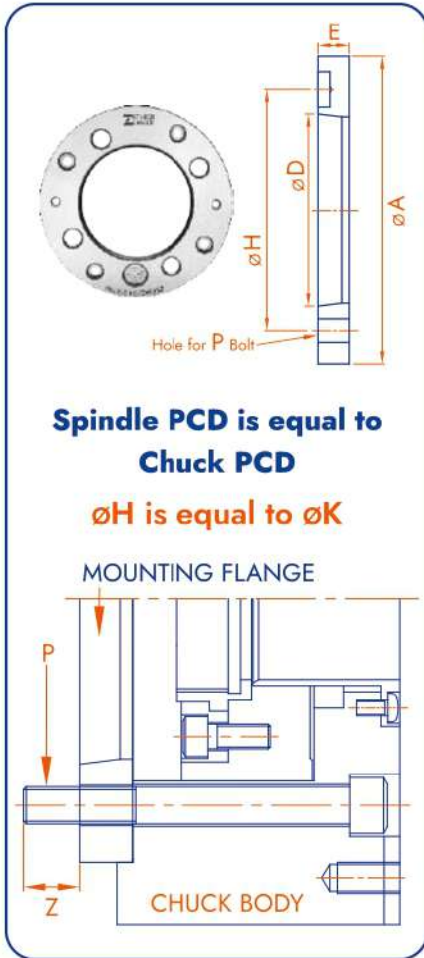
Serration Pitch 1/16" x 90°

Product Code*	Size	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	K
1170-1353G-11	135	53	23	27.5	10	4	30.5	-	10	-	6	14	M8 x 20
1170-1703G-11	170	67	34	36	12	5	18	17	9	9	10	19	M10 x 25
1170-2103G-11	210	86	38	51	17	5	31	18	12	12	12	19	M12 x 30
1170-2543G-11	254	99.5	43	54	21	5	43	17	13	13	15	25	M16 x 40
1170-3043G-11	304	103	50	52	21	4	62.5	-	17	-	30	25	M16 x 40

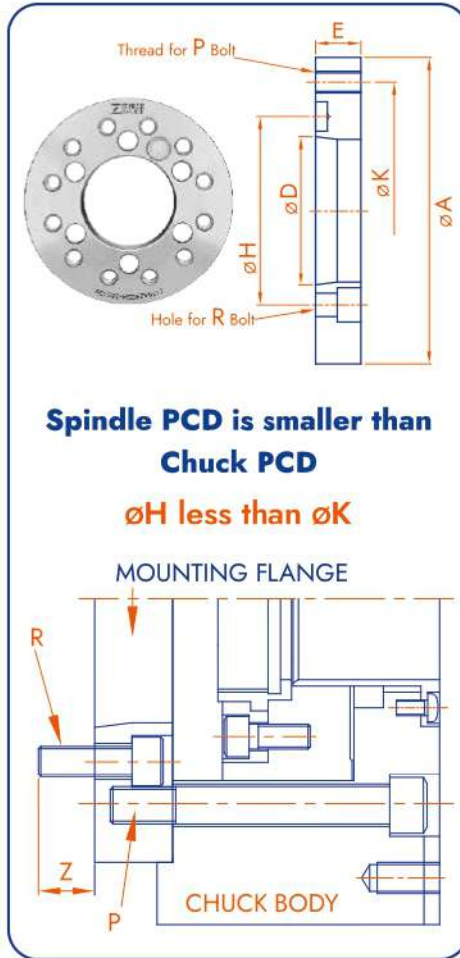
\* Product code is for Hard Jaws of 3 - Jaw chuck. For change of size, replace central digits with required size.

# A - TYPE JAWS

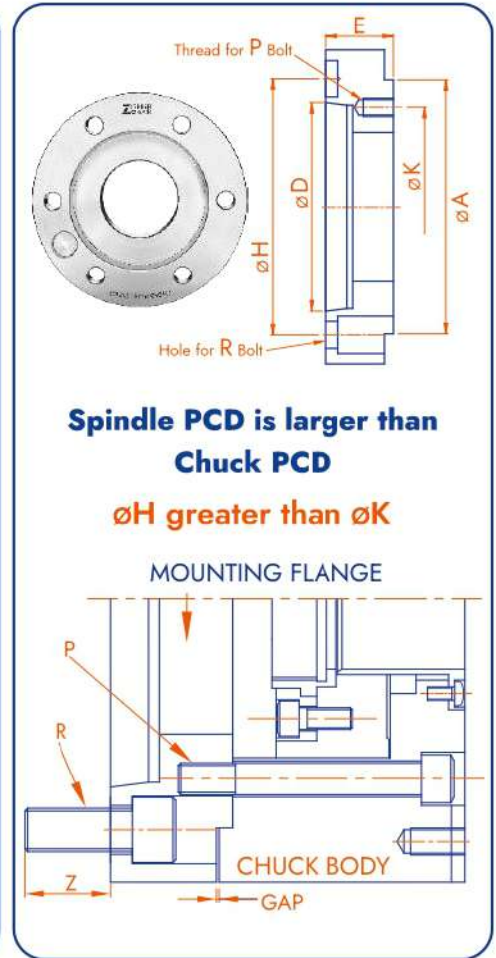
Dimensions of A - Type Jaws are same as that of K - Type Jaws except the serration pitch, which is 1/16" x 90°.



**Fig. 1 (DIRECT Type)**



**Fig. 2 (INDIRECT Type)**



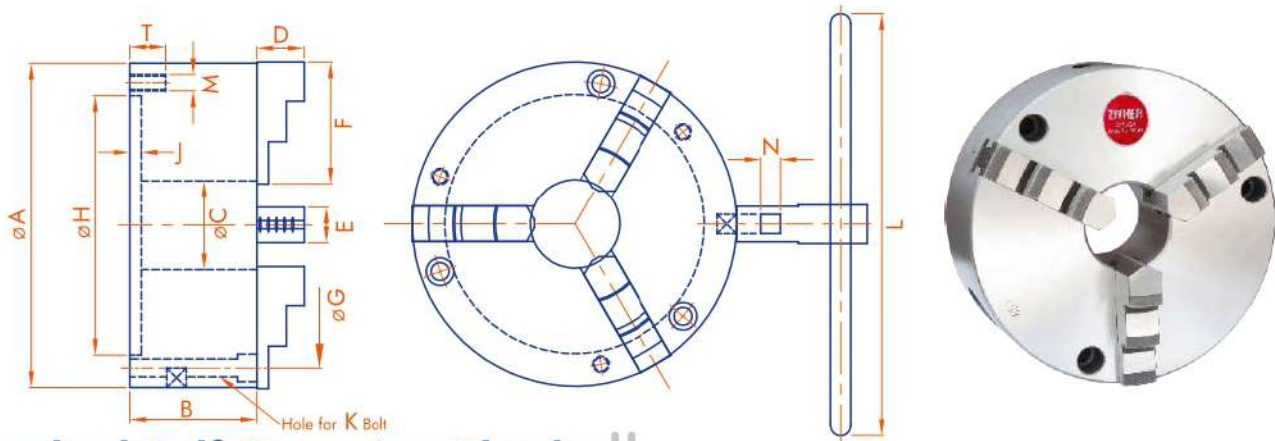
**Fig. 3 (PLATE Type)**

Product Code*	Chuck Size	Spindle Nose	D	H Spindle PCD	K Chuck PCD	Type of Mounting	Figure	A	E	P Allen Bolt	R Allen Bolt	Z
1170-110-22-A24-3	110	A2-4	63.513	82.6	70.6	Plate Type	Fig. 3	85	40	M10	M10	15
1170-110-22-A25-3		A2-5	82.563	104.8	70.6	Plate Type	Fig. 3	85	40	M10	M10	15
1170-135-22-A24-3	135	A2-4	63.513	82.6	82.6	Direct Type	Fig. 1	110	15	M10	-	15
1170-135-22-A25-3		A2-5	82.563	104.8	82.6	Plate Type	Fig. 3	110	40	M10	M10	15
1170-170-22-A24-3	170	A2-4	63.513	82.6	104.8	Indirect Type	Fig. 2	140	20	M10	M10	16
1170-170-22-A25-3		A2-5	82.563	104.8	104.8	Direct Type	Fig. 1	140	15	M10	-	15
1170-170-22-A26-3		A2-6	106.375	133.4	104.8	Plate Type	Fig. 3	140	40	M10	M12	17
1170-210-22-A24-3	210	A2-4	63.513	82.6	133.4	Indirect Type	Fig. 2	170	25	M12	M10	17
1170-210-22-A25-3		A2-5	82.563	104.8	133.4	Indirect Type	Fig. 2	170	25	M12	M10	17
1170-210-22-A26-3		A2-6	106.375	133.4	133.4	Direct Type	Fig. 1	170	17	M12	-	18
1170-210-22-A28-3		A2-8	139.719	171.4	133.4	Plate Type	Fig. 3	170	45	M12	M16	20
1170-254-22-A25-3	254	A2-5	82.563	104.8	171.4	Indirect Type	Fig. 2	220	25	M16	M10	17
1170-254-22-A26-3		A2-6	106.375	133.4	171.4	Indirect Type	Fig. 2	220	25	M16	M12	19
1170-254-22-A28-3		A2-8	139.719	171.4	171.4	Direct Type	Fig. 1	220	18	M16	-	24
1170-254-22-A211-3		A2-11	196.869	235	171.4	Plate Type	Fig. 3	220	55	M16	M20	28
1170-304-22-A26-3	304	A2-6	106.375	133.4	171.4	Indirect Type	Fig. 2	220	25	M16	M12	19
1170-304-22-A28-3		A2-8	139.519	171.4	171.4	Direct Type	Fig. 1	220	18	M16	-	24
1170-304-22-A211-3		A2-11	196.869	235	171.4	Plate Type	Fig. 3	220	55	M16	M20	28
1170-325-22-A26-3	325	A2-6	106.375	133.4	235	Indirect Type	Fig. 2	300	25	M20	M12	19
1170-325-22-A28-3		A2-8	139.519	171.4	235	Indirect Type	Fig. 2	300	25	M20	M16	22
1170-325-22-A211-3		A2-11	196.869	235	235	Direct Type	Fig. 1	300	25	M20	-	25

\* Product code is for 3 - Jaw Chuck. Replace last digit 3 with 2 for 2 - Jaw chuck and with 4 for 4 - Jaw Chuck.

# SELF CENTERING CHUCKS

ZITHER Self Centering Chucks are manufactured out of high quality materials. The bodies are made of alloyed high strength cast iron. All other parts are made of special steels which are properly tested chemically and physically before use. These parts are then suitably heat treated and pass through stringent quality control tests, which ensure long service life. **STEEL BODY** Chucks are also available.



## Standard Self Centering Chucks

Product* Code	Size	A	B	C (Bore)	D	E	F	G (PCD)	H (H7)	J	K/M	L	N	T	Wt. in Kgs. (Approx.)		
															3-Jaw	4-Jaw	6-Jaw
1001-603	60	62	40	11	11	9.4	24	51.5	43	2.5	M5	140	6	12	0.9	1.0	-
1001-803	80	83	45	19	13	12	29	71.3	63.5	3	M5	140	6	12	2.1	2.2	-
1001-1003	100	103	52	26	17	15***	37	89	76.2	3	M6	175	8	12	3.3	3.4	3.8
1001-1253	125	125	55	35	19	16	45	108	95	4	M8	175	8	15	4.4	4.5	4.9
1001-1603	160	160	70	42	24	20	65	140	125	6	M10	215	10	20	9.2	9.6	10.7
1001-1803	180	180	78	48	29	22	80	161	145	7	M10	285	12	22	14.6	15.2	16.8
1001-1903	190	190	78	55	29	22	80	167	150	7	M10	285	12	22	15.0	15.7	17.2
1001-2003	200	200	78	55	29	22	80	176	160	7	M10	285	12	22	15.6	16.2	17.8
1001-2003EH**	200	200	80	55	29	29	95	176	160	7	M10	285	12	22	17.2	18.5	21.0
1001-2303	230	230	78	70	29	22	80	205	180	7	M10	285	12	-	21.1	22.0	24.0
1001-2503	250	250	86	76	35	29	95	224	200	7	M12	315	13	25	26.2	27.5	30.4
1001-2703	270	270	86	90	35	29	95	245	220	7	M12	315	13	-	29.0	30.2	33.0
1001-3153	315	315	88	105	42	32	109	286	260	7	M12	350	13	-	40.5	42.4	46.5
1001-3553	355	355	88	140	42	32	109	326	300	7	M12	350	13	-	55.0	57.0	61.0
1001-3753	375	375	95	155	50	38	141	348	320	7	M12	450	16	-	63.9	67.0	74.0
1001-4003	400	400	95	155	50	38	141	362	330	7	M16	450	16	-	73.5	75.7	83.8
1001-4603	460	460	95	185	50	38	141	422	390	7	M16	450	16	-	87.5	90.0	100.0
1001-5003	500	500	110	205	57	45	190	458	420	7	M16	520	18	-	120.0	125.0	135.0
1001-6103	610	610	110	275	57	45	190	558	520	7	M16	620	18	-	160.0	165.0	175.0

\* Product Code is for 3-Jaw Chuck having cast iron body. Steel Body chucks have second numeric 1. For 4-Jaw chuck last numeric is 4 and for 6-Jaw chuck is 6.

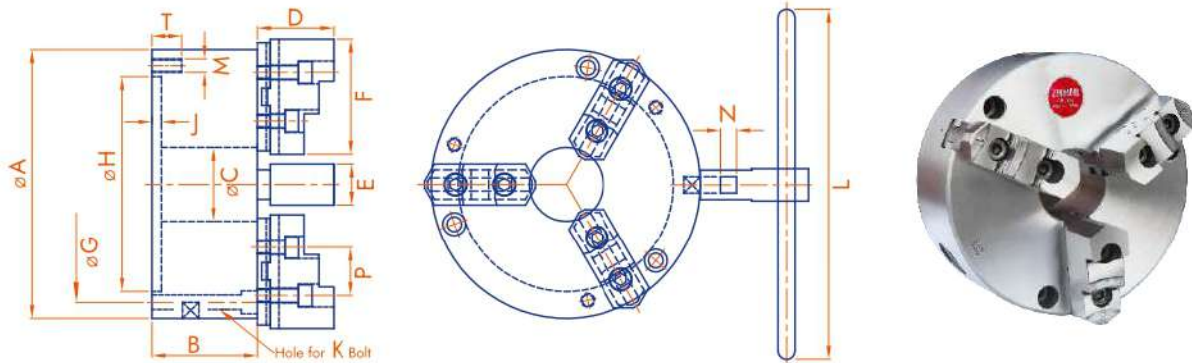
\*\* Extra Heavy Duty. \*\*\*Width of Jaw of 100mm x 6 Jaw Chuck is 12mm.

## Big Bore Self Centering Chucks

Product* Code	Size	A	B	C (Bore)	D	E	F	G (PCD)	H (H7)	J	K/M	L	N	T	Wt. in Kgs. (Approx.)		
															3-Jaw	4-Jaw	6-Jaw
1003-1603	160	160	70	<b>52</b>	24	20	65	140	125	6	M10	215	10	20	9.0	9.4	10.5
1003-2003	200	200	78	<b>76</b>	29	22	80	176	160	7	M10	285	12	22	15.4	16.0	17.6
1003-2503	250	250	86	<b>90</b>	35	29	95	224	200	7	M12	315	13	25	25.5	26.8	29.4
1003-2703	270	270	86	<b>105</b>	35	29	95	245	220	7	M12	315	13	-	28.0	29.2	32.0
1003-3153	315	315	88	<b>130</b>	42	32	109	286	260	7	M12	350	13	-	38.5	40.4	44.5
1003-3153E	315	315	88	<b>155</b>	42	32	109	286	260	7	M12	350	13	-	34.5	36.5	40.0
1003-3753	375	375	95	<b>175</b>	50	38	141	348	320	7	M12	450	16	-	59.9	63.0	70.0
1003-4003	400	400	95	<b>175</b>	50	38	141	362	330	7	M16	450	16	-	69.5	71.7	79.8
1003-4603	460	460	95	<b>205</b>	50	38	141	422	390	7	M16	450	16	-	82.5	85.0	95.0
1003-5003	500	500	110	<b>235</b>	57	45	190	458	420	7	M16	520	18	-	113.0	118.0	128.0
1003-5003E	500	500	110	<b>275</b>	57	45	190	458	420	7	M16	520	18	-	100.0	105.0	115.0

## Master Grip Self Centering Chucks

These chucks have Master Hard Base, one set of Reversible hard jaw and one set of soft jaws. Operating key and Mounting Bolts, and Inspection report is provided with each chuck.

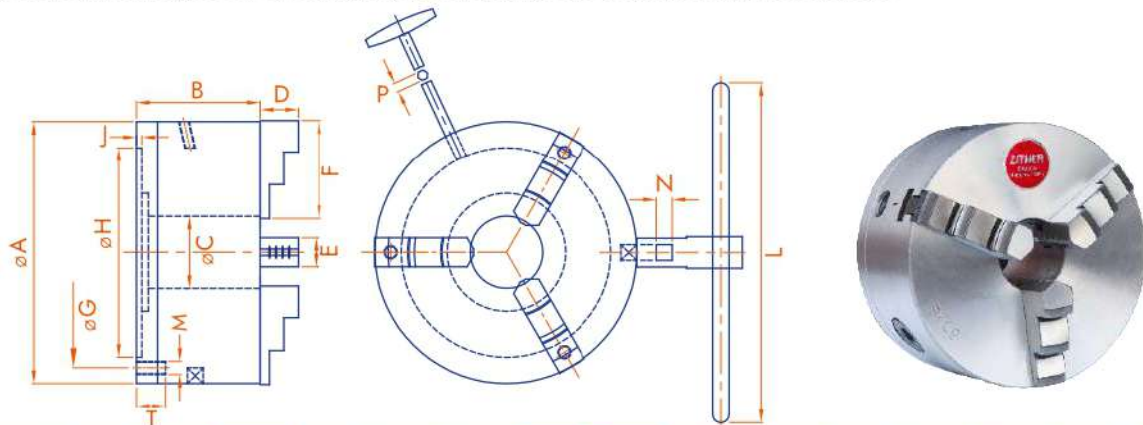


Product* Code	Size	A	B	C (Bore)	D	E	F	P	G (PCD)	H (H7)	J	K/M	L	N	T	Wt. in Kgs. (Approx.)			
																2-Jaw	3-Jaw	4-Jaw	6-Jaw
1006-803	80	83	45	19	24	16	33	15	71.3	63.5	3	M5	140	6	12	2.1	2.3	-	-
1006-1003	100	103	52	26	34	22	42	22.5	89	76.2	3	M6	175	8	12	3.3	3.6	3.8	-
1006-1253	125	125	55	35	41	22	50	27	108	95	4	M8	175	8	15	4.4	4.7	4.9	-
1006-1603	160	160	70	42	48	28.8	72	32	140	125	6	M10	215	10	20	10.0	10.6	11.5	13.1
1006-2003	200	200	78	55	53	30.5	85	36	176	160	7	M10	285	12	22	16.2	17.2	18.4	21.0
1006-2503	250	250	86	76	55	30.5	102	40	224	200	7	M12	315	13	25	27.1	28.1	30.0	34.2
1006-2703	270	270	86	90	55	30.5	102	40	245	220	7	M12	315	13	-	29.8	30.9	32.7	36.8
1006-3153	315	315	88	105	60	35.3	116	45	286	260	7	M12	350	13	-	41.5	43.1	45.8	52.2
1006-3553	355	355	88	140	60	35.3	116	45	326	300	7	M12	350	13	-	52.0	55.5	58.5	68.5
1006-3753	375	375	95	155	74	42	150	70	348	320	7	M12	450	16	-	67.5	70.7	73.7	83.7
1006-4003	400	400	95	155	74	42	150	70	362	330	7	M16	450	16	-	74.5	77.0	80.7	90.0
1006-4603	460	460	95	185	74	42	150	70	422	390	7	M16	450	16	-	83.5	86.0	89.7	99.0

\* Product Code is for 3 - Jaw Chuck having cast iron body. Steel Body chucks have second numeric 1. For 4 - Jaw chuck last numeric is 4 and for 6-jaw chuck is 6.

## Accuracy Adjustment Chucks

Accuracy can be adjusted within 0.005mm and repeatability can be achieved within 0.013mm. These Chucks are mainly used on Grinding Machines or for Tool Room Purposes. Operating Key and Mounting Bolts are provided with each chuck.



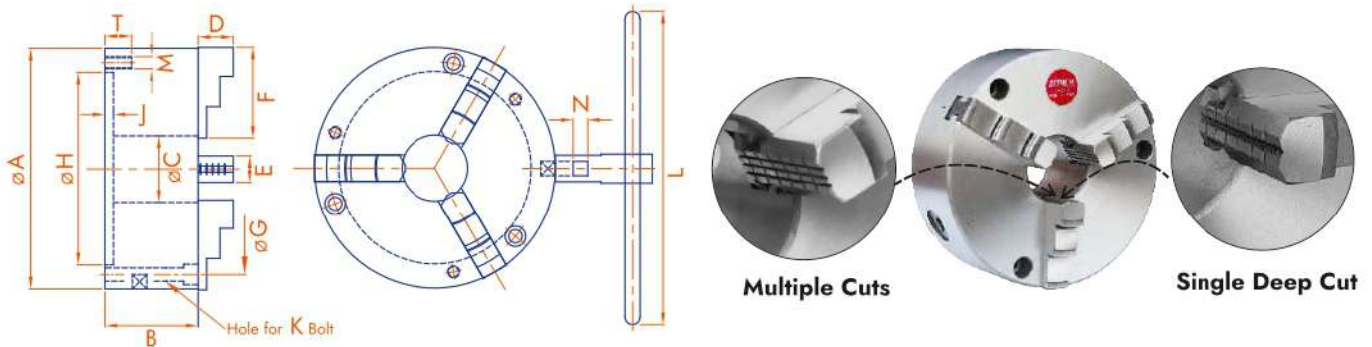
Product* Code	Size	A	B	C (Bore)	D	E	F	G (PCD)	H (H7)	J	M	L	N	T	P	Wt. in Kgs. (Approx.)	
																3-Jaw	6-Jaw
1008-803	80	83	55	19	13	12	29	71.3	63.5	3	M5	140	6	12	5	2.0	-
1008-1003	100	103	65	26	17	15	37	89	76.2	3	M6	175	8	12	5	3.9	-
1008-1253	125	125	68	35	19	16	45	108	95	4	M8	175	8	15	5	5.5	6.2
1008-1603	160	160	86	42	24	20	65	140	125	4	M10	215	10	20	8	10.4	13.0
1008-2003	200	200	94	55	29	22	80	176	160	4	M10	285	12	22	8	17.0	21.0
1008-2503	250	250	106	76	35	29	95	224	200	5	M12	315	13	25	8	28.0	34.0
1008-3153	315	315	108	105	42	32	109	286	260	5	M12	350	13	-	8	43.0	52.0

\* Product Code is for 3 - Jaw Chuck having cast iron body. Steel Body chucks have second numeric 1. For 6 - Jaw chuck last numeric is 6.



## Crank Shaft Grinder Self Centering Chucks

The Gripping portion of Jaws have serrations which provide rigid grip. The rod of Operating Key is longer which provide more gripping force. One set of Reverse Jaws, Operating Key, Mounting Bolts & Inspection Report is provided with each chuck.

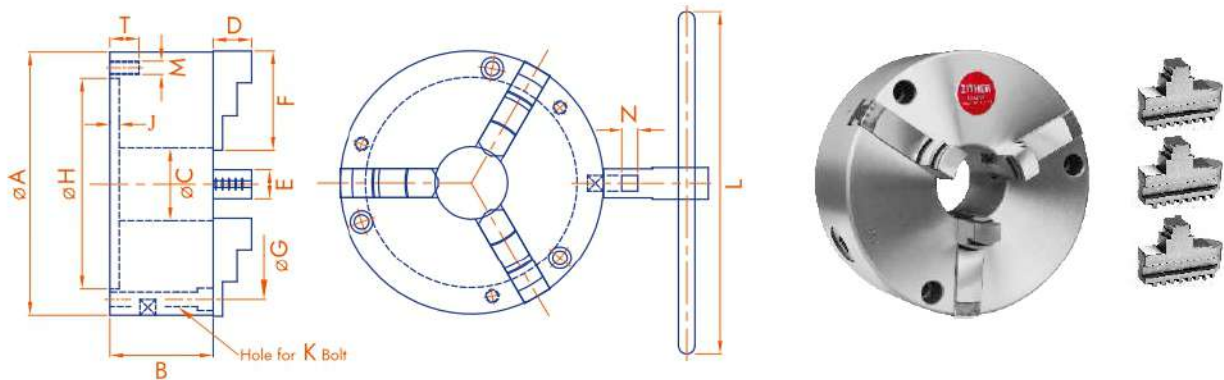


Product Code	Size	A	B	C (Bore)	D	E	F	G (PCD)	H (H7)	J	K/M	L	N	T	Wt. in Kgs. (Approx.)
1005-1603	160	160	70	42	24	20	65	140	125	6	M10	300	10	20	9.2
1005-1803	180	180	78	48	29	22	80	161	145	7	M10	350	12	22	14.6
1005-1903	190	190	78	55	29	22	80	167	150	7	M10	350	12	22	15.0
1005-2003	200	200	78	55	29	22	80	176	160	7	M10	350	12	22	15.6
1005-2003EH*	200	200	80	55	29	29	95	176	160	7	M10	350	12	22	17.2
1005-2503	250	250	86	76	35	29	95	224	200	7	M12	350	13	25	26.2
1005-2703	270	270	86	90	35	29	95	245	220	7	M12	350	13	-	29.0
1005-3153	315	315	88	105	42	32	109	286	260	7	M12	350	13	-	40.5

\* Extra Heavy Duty.

## Bearing Races Self Centering Chucks

These are mainly used to grip Bearing Races for further operations. One set of Reverse Jaws, Mounting Bolts, Operating Key & Inspection Report is provided with each chuck.

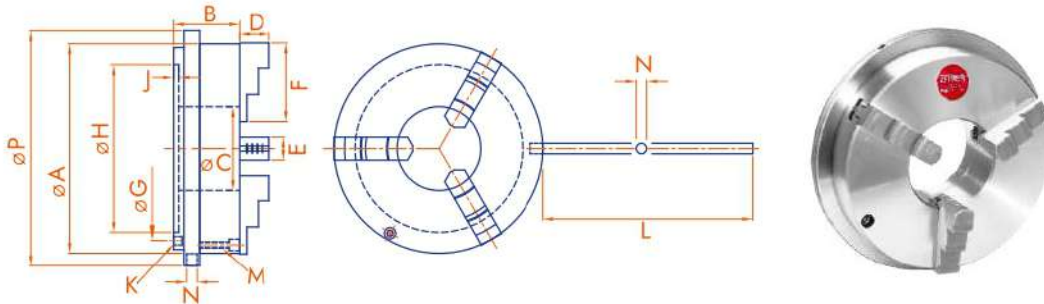


Product* Code	Size	A	B	C (Bore)	D	E	F	G (PCD)	H (H7)	J	K/M	L	N	T	Wt. in Kgs. (Approx.)		
															3-Jaw	4-Jaw	6-Jaw
1004-1603	160	160	70	42	24	20	65	140	125	6	M10	215	10	20	9.2	9.6	10.7
1004-2003	200	200	78	55	29	22	80	176	160	7	M10	285	12	22	15.6	16.2	17.8
1004-2503	250	250	86	76	35	29	95	224	200	7	M12	315	13	25	26.2	27.5	30.4
1004-2703	270	270	86	90	35	29	95	245	220	7	M12	315	13	-	29.0	30.2	33.0
1004-3153	315	315	88	105	42	32	109	286	260	7	M12	350	13	-	40.5	42.4	46.5

\* Product Code is for 3 - Jaw Chuck having cast iron body. Steel Body chucks have second numeric as 1. For 4 - jaw Chuck last numeric is 4 and for 6 - jaw Chuck last numeric is 6.

## Lever Operated Self Centering Chucks

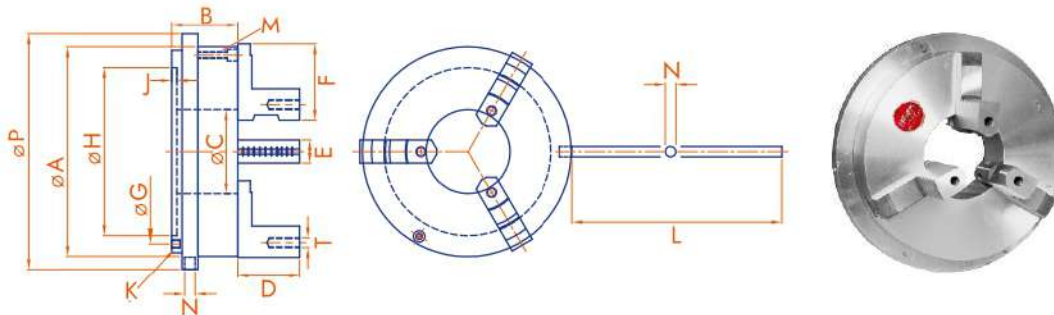
These chucks are used where weight of chuck is important. These chucks have less gripping power than normal pinion operated chucks.



Product Code	Size	A	B	P	C (Bore)	D	E	F	G (PCD)	H (H7)	J	K	L	N	M	Wt. in Kgs. Approx.
1010-803	80	75	37	85	15.7	13	12	29	55	40	3	M5	100	8	M3	1.25
1010-1003	100	100	40.5	110	31.7	17	15	37	74	56	3	M5	100	8	M3	2.5
1010-1253	125	125	46	136	42	19	16	45	95	70	3	M6	100	10	M4	4.0
1010-1603	160	160	53	190	52	26	20	65	140	125	4	M6	200	10	M5	7.0
1010-2003	200	200	63	225	80	29	22	80	176	160	5	M8	200	10	M6	10.0

## Glass Work Lever Operated Self Centering Chucks

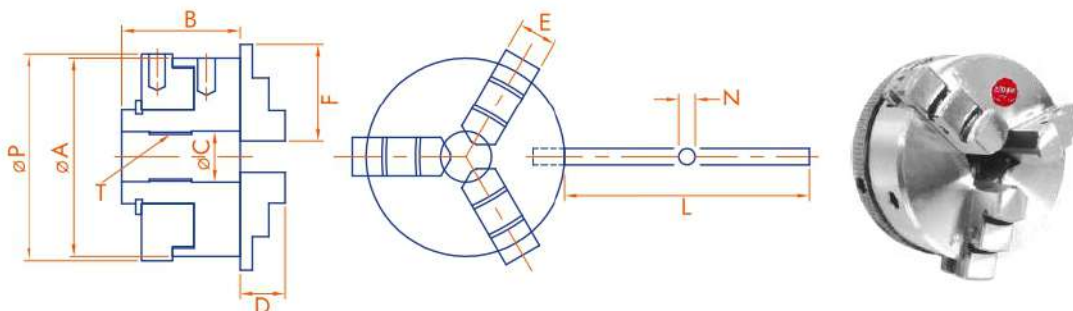
Glass work chucks are specially designed for holding Glass Tubes.



Product Code	Size	A	B	P	C (Bore)	D	E	F	G (PCD)	H (H7)	J	K	L	N	T	M	Wt. in Kgs. Approx.
1040-1603	160	160	55.5	190	65	60	20	73	140	125	5	5/16"	150	6.8	3/8"	M5	7.0
1040-1853	185	185	55.5	225	85	60	20	73	140	124.1	5	5/16"	150	6.8	3/8"	M6	10.0
1040-2303	230	230	65.0	268	110	80	22	87	179	160	5	5/16"	150	6.8	3/8"	M6	14.0

## Watch Maker Lever Operated Self Centering Chucks

These chucks are generally used to manufacture small parts. The jaws provided are reversible.



Product Code	Size	A	B	P	C (Bore)	D	E	F	L	N	T	Wt. in Kgs. Approx.
1042-503	50	49	29	51	12.5	10.5	9.4	24	60	4	M12 x 1	0.3
1042-633	63	65	33	67	15	10.5	9.4	24	70	5	M14 x 1	0.5

# MOUNTING FLANGES



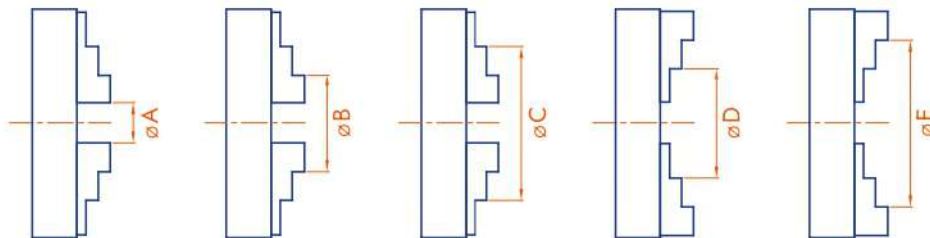
Model	Taper Dia. at Large End	Sizes / Product Code *							
		160mm	200mm	250mm	315mm	400mm	460mm	500mm	610mm
A2 - 4	63.513	1017-160	1017-200	1017-250	-	-	-	-	-
A2 - 5	82.563	1018-160	1018-200	1018-250	-	-	-	-	-
A2 - 6	106.375	-	1019-200	1019-250	1019-315	1019-400	-	-	-
A2 - 8	139.719	-	1020-200	1020-250	1020-315	1020-400	1020-460	1020-500	1020-610
A2 - 11	196.869	-	-	1021-250	1021-315	1021-400	1021-460	1021-500	1021-610
D1 - 4	63.513	1026-160	1026-200	1026-250	-	-	-	-	-
D1 - 5	82.563	1027-160	1027-200	1027-250	-	-	-	-	-
D1 - 6	106.375	-	1028-200	1028-250	1028-315	1028-400	-	-	-
D1 - 8	139.719	-	1029-200	1029-250	1029-315	1029-400	1029-460	1029-500	1029-610
D1 - 11	196.869	-	-	1030-250	1030-315	1030-400	1030-460	1030-500	1030-610
L1	104.750	-	1013-200	1013-250	1013-315	1013-400	-	-	-

\* Product code is for cast iron plates. For steel plates, replace second digit 0 with 1.

Model	Taper Dia. at Large End	Sizes / Product Code*				
		80mm	100mm	125mm	160mm	200mm
MT - 3	23.825	1136-80	1136-100	1136-125	1136-160	1136-200
MT - 4	31.267	1137-80	1137-100	1137-125	1137-160	1137-200
MT - 5	44.369	1138-80	1138-100	1138-125	1138-160	1138-200

\* Product code is for STEEL plates.

# GRIPPING CAPACITY AND MAX. RPM - Self Centering Chucks



Size	A		B		C		D		E		RPM Maximum	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	CI Body	Steel Body
60	1	16	20	33	35	50	20	35	30	50	3500	4500
80	2	27	22	45	40	69	24	50	40	71	3000	4000
100	3	33	25	60	55	87	32	70	60	93	2500	3800
125	3	42	34	80	70	112	38	90	80	120	2000	3200
160	3	68	42	105	90	154	48	110	100	160	1700	2500
180	4	75	45	115	95	175	52	120	105	180	1500	2300
190	4	80	48	125	100	180	56	130	115	190	1400	2100
200	4	90	52	130	110	194	60	140	120	200	1300	2000
230	5	100	56	150	115	220	65	155	135	230	1200	1800
250	5	110	62	165	120	240	75	170	145	250	1100	1600
270	7	130	70	185	135	260	85	195	155	270	1000	1500
315	10	180	80	210	150	300	96	225	165	315	800	1300
355	15	190	90	230	160	335	105	240	170	355	770	1200
375	20	200	100	240	180	355	120	260	180	375	750	1150
400	20	200	100	260	190	380	120	290	205	400	700	1000
460	30	230	120	280	210	430	135	330	230	460	600	900
500	35	260	135	300	225	480	155	370	265	500	500	800
610	50	350	170	400	245	580	170	470	365	610	400	700



All dimensions are in millimetres unless specified. Due to continuous improvements, the dimensions are subject to change without prior notice. All products carry warranty of one year against manufacturing defects only.

**ZITHER MACHINE TOOLS INDUSTRIES**

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