Open Centre Power Chucks

Open Centre Long Stroke

These chucks have approximately twice the jaw stroke compared to the AIRTECH WH standard chucks. Hence they are used for chucking comparatively irregular shaped components.

Manufactured from high-grade alloy steel, all the sliding surfaces of these chucks are hardened and ground for accurate running and long service.

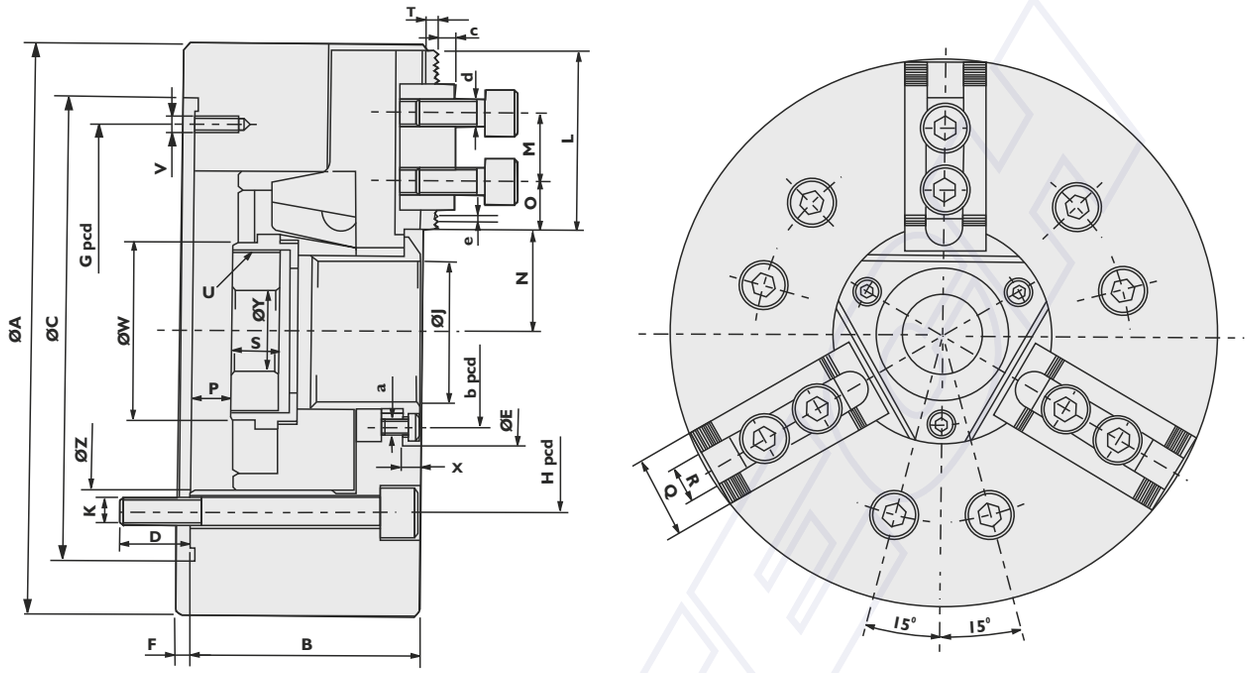
Standard hard and soft jaws can be replaced with special hard and soft jaws for chucking different components.

These compact and sturdy chucks offer better grip together with high repeatability. Also stable gripping power at higher speeds makes these chucks ideal for CNC applications.

These chucks are activated by rear mounted hydraulic or pneumatic cylinders via the draw bar / draw tube passing through the spindle bore. Since it is important that the cylinder should provide the correct operating force to match the chuck, the supply of line pressure to the cylinder should be adjusted accordingly.

Each base jaw is provided with a lubricating nipple.

These chucks are offered both in two-jaw and three-jaw versions.



Dimensions

Model	A	B	C (H6)	D	E (H7)	F	G	H	J (H7)	K	L	M	N Max.	N Min.	O Max.	O Min
165 WHL	169	89	140	18	70.5	5	116	104.78	38	3 x M10	52.5	20	31	26	25	8.5
200 WHL	210	98	170	17	87	5	150	133.35	46	6 x M12	60	25	43.5	36.3	23	9
250 WHL	254	118	220	20	105	5	190	171.4	65	6 x M16	67	30	58	48	34	11.5
305 WHL	305	118	220	20	120	6	190	171.4	78	6 x M16	88	30	65	55	44	11.5
530 WHL	550	151.5	430	30	285	6	380	380	210	6 x M22	142	60	143	128	74	17

Dimensions

Model	P Max.	P Min	Q	R (H6)	S	T	U Max.	V	W	X	Y	Z	a	b	c	d	e
165 WHL	17	-1	32	12	15	2.5	M45 x 1.5	3 x M6	56	5	20	98	3 x M5	59	2.5	6 x M10	1/16" x 90°
200 WHL	6	-16	37	14	21	6	M55 x 1.5	6 x M6	66	6.5	30	127	3 x M5	70	3	6 x M12	1/16" x 90°
250 WHL	20	-12	40	16	25	5	M76 x 2	6 x M6	86	8	45	156	3 x M6	90	3	6 x M12	1/16" x 90°
305 WHL	18.5	-12.5	50	18	30	5	M86 x 2	6 x M8	96	9	50	170	3 x M6	106	3	6 x M14	1/16" x 90°
530 WHL	23	-17	65	25	38	7	M220 x 3	6 x M12	240	15	80	340	9 x M10	250	6	6 x M20	3/32" x 90°

Specifications

Model		165 WHL	200 WHL	250 WHL	305 WHL	530 WHL
Open centre dia	mm	38	42	65	78	210
Jaw stroke dia.	mm	10	14.4	20	20	30
Plunger stroke	mm	18	22	32	31	40
Max. draw bar pull	kgf	2000	3100	3800	4900	9000
Max. gripping force	kgf	5500	8350	11000	14300	23400
Max. speed	rpm	5000	4000	3500	3000	1500
Weight without jaw (approx.)	kgs	14	24.5	43.5	63.5	220

Note: Metric serrations on request for base jaw