

Power Operated Chucks



Closed Centre Long Stroke

These chucks have approximately twice the jaw stroke compared to the AIRTECH WC 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.

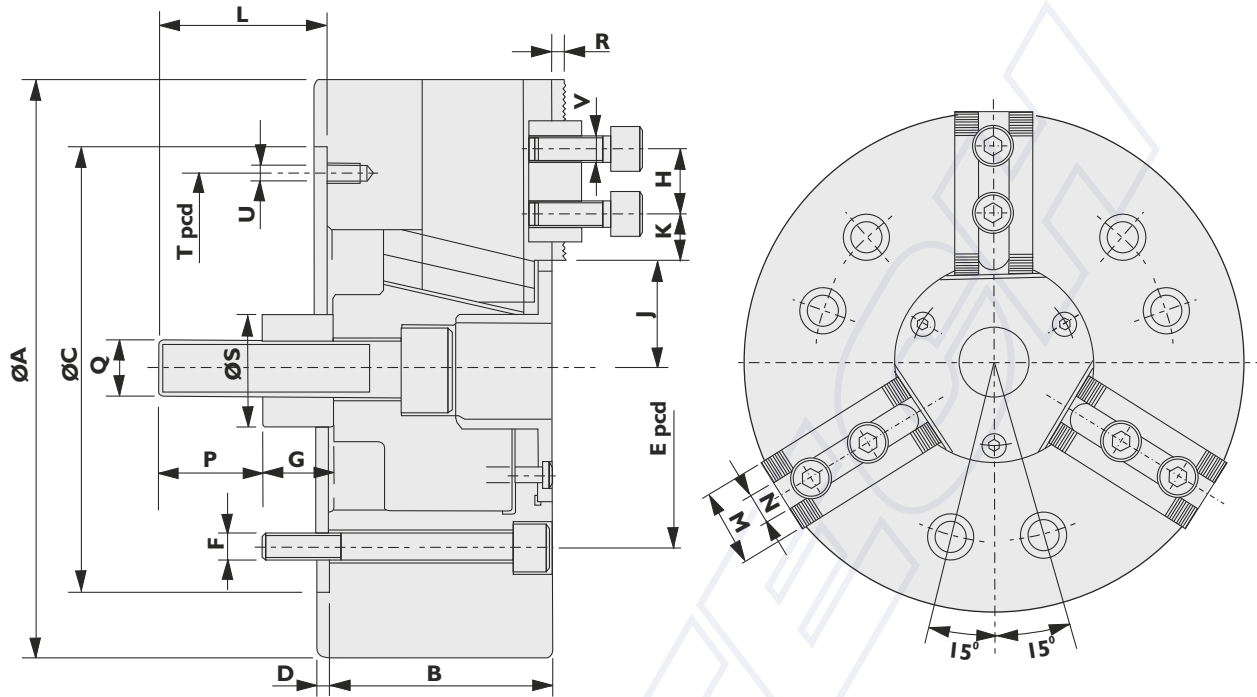
These compact and sturdy chucks offer better grip together with high repeatability. Also stable gripping power at higher speeds makes these chucks ideal for CNC applications.

These chucks are activated by rear mounted hydraulic or pneumatic cylinders via the draw bar 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

Power Operated Chucks



Dimensions

Model	WCL165	WCL 200	WCL 250	WCL 315	WCL530
A	169	210	254	304	530
B	73	80	92.5	101	126
C (H6)	140	170	220	220	380
D	5	5	5	6	6
E (H7)	104.78	133.35	171.45	171.45	330.2
F	3 x M10	6 x M12	6 x M16	6 x M16	6 x M22
G	23	23	26	32	35
H	20	25	30	30	60
J (Max)	39.5	41	46	53	89.5
J (Min)	33	33	37	41	74.5
K (Max)	17.5	29.5	36	54	64.8
K (Min)	8.5	10.5	11	11.5	23.1
L (Max)	85	85	103	104	122
L (Min)	65	60	75	71	80
M	32	37	40	50	65
N (H6)	12	14	16	18	25
P	46	35	43	43	54
Q	M16	M20	M20	M24	M30
R	4	4	5	5	3
S	32	40	50	45	58
T	116	150	190	190	340
U	3 x M6	6 x M5	6 x M8	6 x M8	3 x M12
V	6 x M10	6 x M12	6 x M12	6 x M14	6 x M20
Base Jaw Serration	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°

Specifications

Model		WCL 165	WCL 200	WCL 250	WCL 315	WCL 530
Jaw stroke (diameter)	mm	13	18	18	24	30
Plunger stroke	mm	20	25	28	33	42
Max. pull force	kgf	2039	2906	4028	5305	6500
Max. Gripping force	kgf	3773	5914	8055	10911	15000
Max. speed	rpm	3200	2800	2200	1800	1200
Weight (approx.)	kg	12.5	23	35	62	170

Note: Metric serrations on request for base jaw
 The information set out in this catalogue is subject to any changes made since its publication. Further changes may be made without giving any notice.