

Power Operated Chucks



Closed Centre Standard Stroke

Manufactured from high-grade alloy steel, all the sliding surfaces of these chucks are hardened and ground for accurate running and long service. Lubrication facility provided on each base jaw, ensures better gripping force output.

The Wedge design of the chuck has a self-locking feature, that prevents accidents and it does not lose its gripping power even at cutting loads.

These compact and sturdy chucks offer powerful grip together with high repeatability. Their stable gripping power even at higher speeds make them ideal for CNC applications.

The base jaw design is such that in the event of breakage it is retained within the jaw ways of the chuck.

The chuck is actuated by a rear mounted hydraulic or pneumatic cylinder via a draw bar passing through the machine 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.

These chucks are offered both in two-jaw and three-jaw versions. Standard hard and soft jaws can be replaced with special hard and soft jaws for chucking different components.

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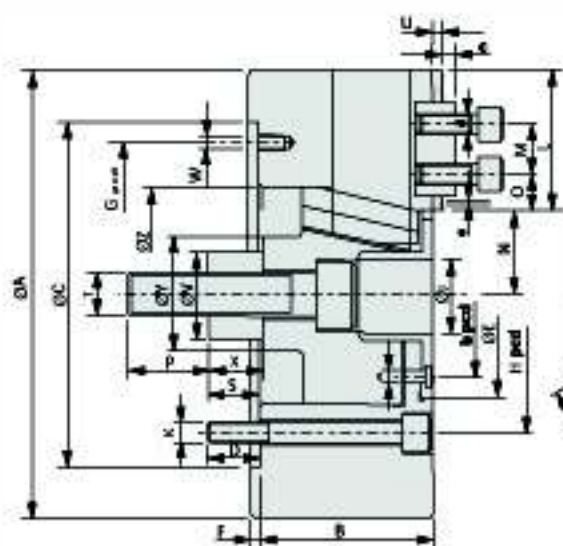
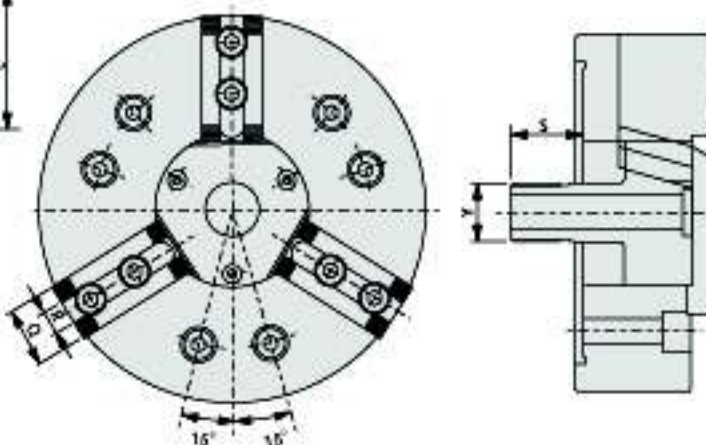


Fig. 1



* Fig. 2

Dimensions

M _{max}	* 125WC	160WC	200WC	250WC	315WC	400WC	530WC	630WC	800WC	900WC	1000WC
A	125	169	210	254	304	400	530	635	800	900	1000
B	42	76	77	89	101	112	117.5	119	142	165	165
C (H6)	105	140	170	220	220	300	380	380	460	520	520
D	14	16	19	21	21	28	28	28	35	45	35
E (H7)	70	70	90	100	140	175	186	210.5	220	290	290
F	3	5	5	5	6	6	7.5	8	8	10	10
G	90	116	150	190	190	260	340	340	-	485	-
H	82.6	104.78	133.35	171.45	171.45	235	330.2	330.2	380	463.6	465.6
J	-	20	25	28	-	-	-	-	-	-	-
K	3 x M10	3 x M10	6 x M12	6 x M16	6 x M16	6 x M20	6 x M22	6 x M22	9 x M24	6 x M24	6 x M24
L	35	48	61	75	96	127.5	177	219	302	320	370
M	12	20	25	30	30	43	60	60	60	60	60
N (M _{ax})	29.8	36.5	46	46	54	70	85	97	95	130	149
N (M _{in})	25.8	32	41.4	40.2	48.2	62	77	89	84.5	119.5	135.6
O (M _{ax})	14.5	20.5	25	31	52	64.5	93.5	112.5	203	215	257
O (M _{in})	5	8.5	10.5	11	11.5	17	23.1	23.1	18	20	20
P	-	40	40	36	45	62	54	65	65	85	85
Q	25	32	37	40	50	65	65	65	75	85	85
R (H6)	10	12	14	16	18	24	25	25	35	30	30
S (M _{ax})	39	43	45	54	61	43	68	68	70	70	70
S (M _{in})	20	23	25	31	36	8	33	33	30	30	30
T	-	M16	M20	M20	M24	M24	M30	M30	M30	M30	M30
U	7	4	4	5	5	10	3	3	6	9	9
V	-	32	40	50	55	52	60	60	60	65	65
W	3 x M6	3 x M6	6 x M6	6 x M8	6 x M8	6 x M10	3 x M12	6 x M12	-	6 x M16	-
X	-	25	23	26	32	32	35	35	35	30	30
Y	M20 x 1.5P	40	52	60	60	63	78	85	85	90	90
Z	50	78	90	100	105	135	156	175	180	250	250
a	3 x M4	3 x M5	3 x M6	3 x M6	3 x M8	3 x M8	3 x M6	3 x M6	3 x M8	3 x M8	3 x M8
b	58	56	75	80	124	155	171.4	190	200	270	270
c	2.5	2.5	3	3	3	6.5	6	6	4	4	3.5
d	6 x M6	6 x M10	6 x M12	6 x M12	6 x M14	6 x M20	6 x M20	6 x M20	6 x M20	6 x M20	6 x M24
e	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	1/16" x 90°	3/32" x 90°	3/32" x 90°	3/32" x 90°	3/32" x 90°	3/32" x 90°

Specifications

M _{max}		125WC	160WC	200WC	250WC	315WC	400WC	530WC	630WC	800WC	900WC	1000WC
Jaw stroke (ata)	mm	7	9	9.2	11.8	11.8	16	16	16	21	21	28.8
Plunger stroke	mm	14	20	20	23	25	35	35	35	40	40	40
Max draw bar put	kg	900	1800	2500	3100	4000	4000	9000	9000	10000	10000	13500
Max gripping force	kg	1500	5000	6800	9500	12500	15000	19000	19000	32000	32000	37500
Max speed	rpm	3000	3800	3100	2800	2300	2000	1500	1000	800	750	630
Weight without jaws (approx.)	kg	5	13.0	20.5	30.0	50.0	105	163	315	560	750	950
Matching hydraulic cylinder		80	105	120	120	160	160	200	200	250	250	250
Matching air cylinder		130AC	200AC	250AC	270AC	305AC	250ACT	300ACT	300ACT	-	-	-

Note: Main dimensions on request for base jaw

The information set out in this catalogue is subject to any changes made prior to publication. Further changes may be made without giving any notice.