Self Centring Compensating 2+2+2 Jaw chuck

Application

These chucks are specifically designed to hold large diameter thin walled components, Aluminium components of Turbines and Couplings, Precision Railway wheels and large size Gear blanks of Earth moving equipments.

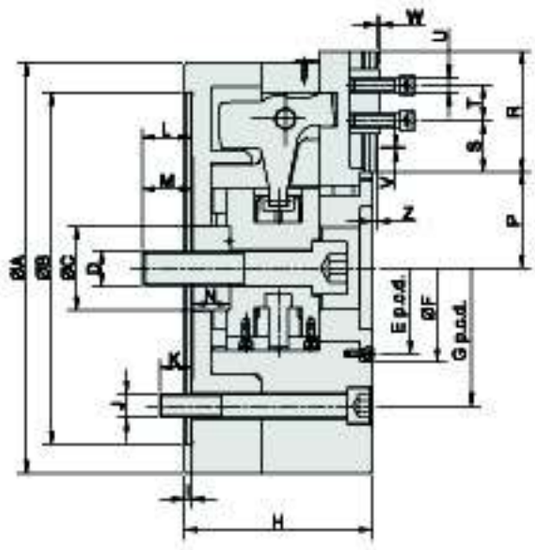
Normally these chucks are manufactured in size above 500 in diameter for mounting on vertical lathes. But smaller size chucks up to 250 dia also possible to be manufactured against specific requirements.

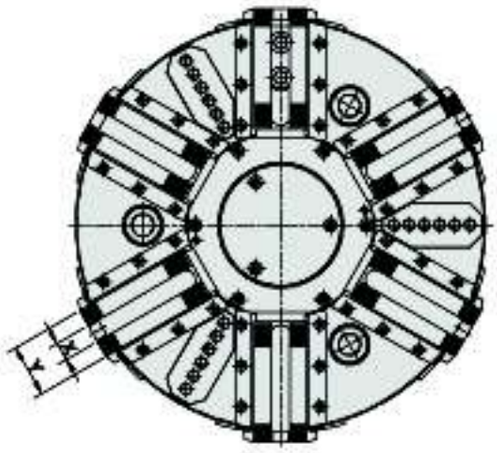
Working principle

In this Design of chuck, there are always three pairs of Jaws (Total six Jaws). Each Jaw is inter-linked and pivoted with the other in the pair in such way that when one touches the component, the other swings on the pivot to touch the component according to the component. This pivoting does not permit the Jaw to exert undue pressure at one gripping point. In doing so the deformation of the component is avoided or reduced to tolerable limits.

Self Centring Compensating 2+2+2 Jaw chuck

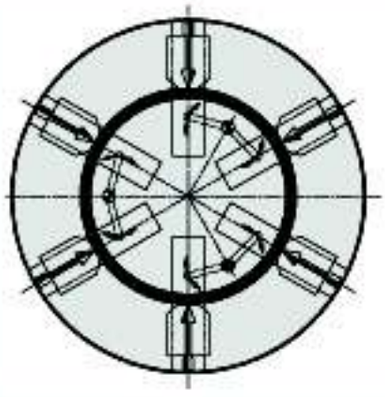
SCC





Dimensions

MODEL	SCC 200	SCC 250	SCC 350	SCC 500	SCC 630
A	203	250	350	500	630
B	170	220	300	380	380
C	60	60	71.5	71.5	60
D	M30	M30	M30	M30	M30
E	116	116	146	146	250
F	130	130	160	160	275
G	133.4	171.45	235	235	330.2
H	105	121	160	160	220
I	5	6	6	6	6
J	3 x M12	3 x M16	3 x M20	6 x M20	6 x M22
K	28	28	35	35	35
L Max.	42	42	42	42	40
L Min.	30	30	30	30	16
M	40	40	43	43	52
N	30	30	32	32	25
P Max.	46.1	69	82	82	115
P Min.	40.1	61.5	75	75	108
R	59	65	103	178	208
S Max.	22	28	59	130	140
S Min.	17	17	19	19	24
T	25	25	30	30	45
U	M10	M10	M12	M16	M16
V	1/16".90°	1/16".90°	1/16".90°	3/32".90°	3/32".90°
W	4	4	4	4.5	4.5
X	12	12	16	21	21
Y	35	35	45	60	60
Z	4	4	4	4.5	4.5



Specifications

MODEL	SCC 250	SCC 350	SCC 500	SCC 630
Radial jaw stroke	7	7	7	9
Plunger stroke	20	12	12	24
Max. Draw bar pull (kgf)	2500	3500	3500	4000
Max. Gripping forces (kgf)	7000	6000	6000	8800
Max. Speed (rpm)	2200	2000	1800	1500
Weight without Jaw (approx) (kgs)	40	107	365	488

Note: 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.

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