

MASTER GRIPPING SELF CENTRING CHUCKS

TYPE MTJ



The two piece design of jaws of this chuck offers wide range of application. Different sets of top jaws, suitable for different jobs mountable on some base jaws are solution to numerous odd problems. Standard provision of top hard reversible set and soft set of jaws make this chuck versatile for precision machining and mass production.

MATERIAL COMPOSITIONS :

BODY

C I BODY : High tensile, wear resistant cast iron alloyed with Chrome and Manganese, Hardness 180-210 Bhn.

SG IRON BODY : 500/7 grade of SG Iron, Hardness 180-210 Bhn

STEEL BODY : Medium carbon steel of 600 mpa tensile strength

JAWS

Case hardening steel with tough core, hardness 56-60 Hrc.

PINION

Case hardening alloy steel hardness 42-50 Hrc.

SCROLL

Forged high strength wear resistant case hardening alloy steel, Hardness 40-45 Hrc.

SPECIAL FEATURES

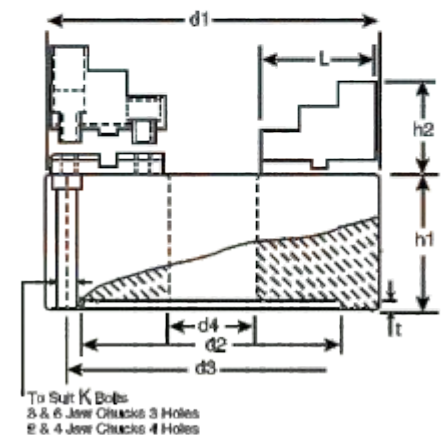
BODY : Knob & Jaw ways Hardened and ground.

JAWS : Jaws teeth Precision ground from both sides

SCROLL : Scroll threads precision ground from both sides. Hardness 40-45 Hrc.

PARTS : Interchangeable

RUNOUT : Less than 0.04 from 160 mm onwards



DIMENSIONS IN MM

Nominal Size d_1	d_2 H_7	P.C.D		d_4 Min.	h_1 Max.	h_2 Max.	t Min.	L	K	Size of Sq. Key for Chuck	Approx. Wt. in Kgs.			
		d_3	Tol. on d_3								3JAW	4JAW	6JAW	Large Bore
125	95	108	± 0.25	33	57	37	4	53	M8	9	5.0	5.5	-	-
160	125	140	± 0.3	42	67	44	4	72	M10	10	8.0	9.0	10.0	-
200	160	176	± 0.3	55	75	52	4	84	M10	11	15.0	18.0	27.0	-
250	200	224	± 0.35	76	85	61	5	103	M12	12	29.0	30.0	32.0	-
315	260	286	± 0.4	107	87	63	5	123	M12	14	42.0	48.0	50.0	-
400	330	362	± 0.4	150	110	77	5	165	M16	17	90.0	91.0	96.0	175.0
500	420	458	± 0.4	200	120	65	7	194	M16	16	165.0	182.0	253.0	225.0
630	545	586	± 0.4	275	135	65	7	248	M16	19	264.0	331.0	374.0	335.0

CHUCKS FITTED WITH BACK PLATE ALSO AVAILABLE