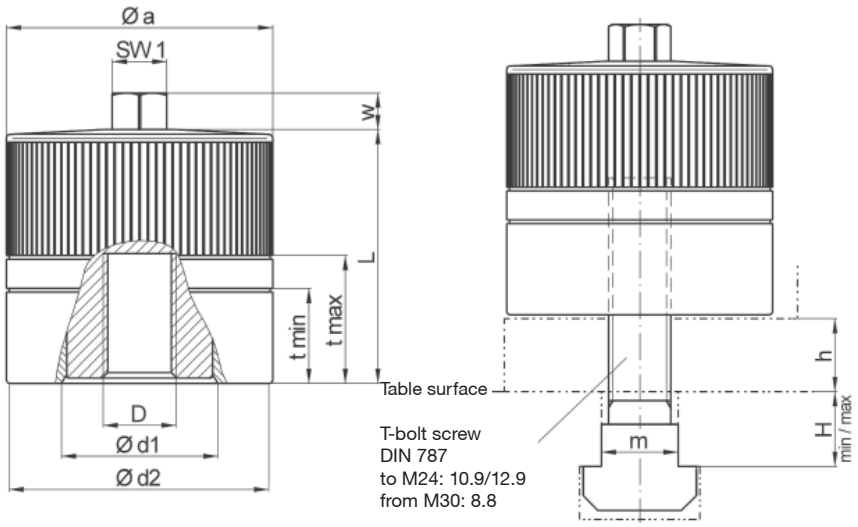
Mechanical power clamping nut I Series MCA

with bottomed thread · thread protected · centered operation · compact Design



Material:
heat treated steel - nitro carbonized
cover plate: high tensile aluminium

Technical data and dimensions [mm]: length dimensions according to DIN ISO 2768 mH

MCA Size	nominal clamping force [kN]	thread D*	nominal tightening torque [Nm]	max. static load [kN]	T-slot m	DIN 650 H min/max	weight approx. [kg]	Øa	Ød1	Ød2	L	screw-in depth t min	screw-in depth t max	SW 1	w
60	60	M 12	20	70	14	14 / 19									
		M 16	25	120	18	18 / 24	0,9	62	32	60	50	16	24	13	10
		M 20	30	120	22	22 / 29									
100	100	M 16	35	130	18	18 / 24									
		M 20	40	200	22	22 / 29	1,8	73	42	71	70	25	35	15	10
		M 24	45	200	28	28 / 36									
		M 30	50	200	36	36 / 46									
150	150	M 24	60	300	28	28 / 36	2,5								
		M 30	70	300	36	36 / 46	2,4								
		M 36	75	300	42	42 / 53	2,3	83	52	81	75	30	40	17	12
		M 42	80	300	48	48 / 59	2,2								
200	200	M 36	120	400	42	42 / 53	4,9								
		M 42	125	450	48	48 / 59	4,8								
		M 48	130	450	54	54 / 66	4,7	120	82	118	80	35	45	19	12
		M 56	140	500	-	-	4,5								
		M 64	150	500	-	-	4,3								

* Proberty class of threaded bolt up to M 24 minimum Q 10.9; from M 30 Q 8.8 (further thread sizes i. e. inches on request) - max. allowed temperature range: -30°C up to +200°C (optional up to 400°C)

Note:
For optical control of actual screw-in depth of th T-bolt two grooves have been provided on the housing circumference matching t_{min} and t_{max}. When laying out the actual screw-in depth of the threaded bolt, the necessary stroke must be considered i. e. the max. specified screw-in depth must be reduced at least by amount the stroke.

Ordering example:	Clamping nut incl. T-bolt	MCA 100 - M 24
		MCA 150 - M 30 - 60 - 40

Series and size
Thread size (T-bolt screw thread according to DIN 787)
Clamping high (h = 60 mm)
Size of T-slot (H = 40 mm)