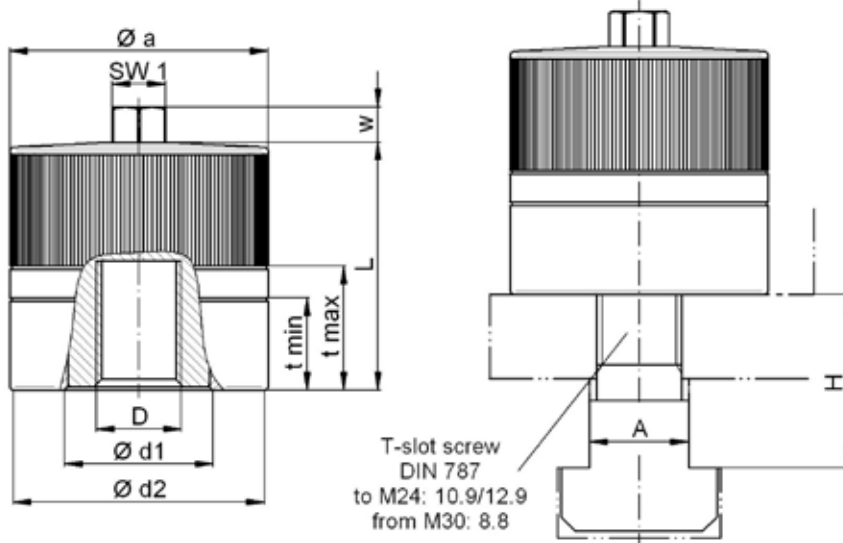


# Mechanical Power Clamping Nut I Series MCA

with bottomed thread / thread protected / centered operation / compact design



**Material:**  
heat treated steel - nitro carburized  
cover plate: high tensile aluminum

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

MCA Size	nominal clamping force [kN]	nominal thread D* (6G)	nominal actuation torque [Nm]	max. static load [kN]	T-bolt A	weight approx. [kg]	Øa	Ød1	Ød2	L	screw-in depth t		SW 1	w
											min	max		
60	60	M 12	20	70	14	0,9	62	32	60	50	16	24	13	10
		M 16	25	120	18									
		M 20	30	120	22									
100	100	M 16	35	130	18	1,8	73	42	71	70	25	35	15	10
		M 20	40	200	22									
		M 24	45	200	28									
		M 30	50	200	36									
150	150	M 24	60	300	28	2,5	83	52	81	75	30	40	17	12
		M 30	70	300	36									
		M 36	75	300	42									
		M 42	80	300	48									
200	200	M 36	90	400	42	4,9	120	82	118	80	35	45	19	12
		M 42	95	450	48									
		M 48	100	450	54									
		M 56	105	500	-									
		M 64	115	500	-									

\*property class of threaded bolt up to M 24 min. Q 10.9; from M 30 Q 8.8 (further thread sizes i.e. inches on request)  
standard thread tolerance "6G"

**Note:**

- For optical control of actual screw-in depth of the 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 the amount of the stroke.
- The clamping forces mentioned in the data sheet can be influenced substantially by various operational parameters, such as thread length, surface quality of thread or thread lubrication.
- maximum temperature range: -30°C to +200°C (optional up to +400°C)

**Ordering example:** clamping nut MCA 100 - M 24  
incl. T-bolt MCA 150 - M 30 - 100 - 36

series and size \_\_\_\_\_  
 thread size (T-bolt screw thread according to DIN 787) \_\_\_\_\_  
 clamping height (H = 100 mm) \_\_\_\_\_  
 size of T-bolt (A = 36 mm) \_\_\_\_\_