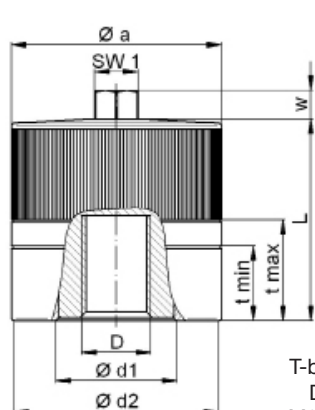
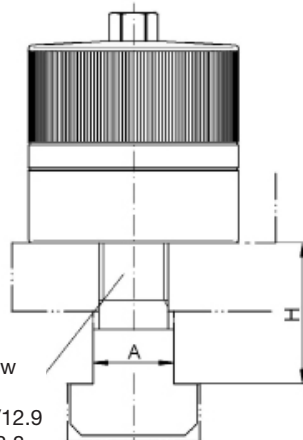


Mechanical Power Clamping Nut I Series MCA

- with bottomed thread
- thread protected
- centered operation
- compact design
- optional fast infeed through automatic switching (locking mechanism)



T-bolt screw
DIN 787
to M24: 10.9/12.9
from M30: 8.8



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 Größe	nominal clamping force [kN]	thread D* (7G)	nominal actuation torque [Nm]**	T-Nut A	max. static load [kN]	mass approx. [kg]	Øa	Ød1	Ød2	L	screw-in depth t min max	SW1	w
60	60	M 12	20	14	70	0,9	62	32	60	50	16/24	13	10
		M 16	25	18	120								
		M 20	30	22	120								
100	100	M 16	35	18	130	1,8	73	42	71	70	25/35	15	10
		M 20	40	22	200								
		M 24	45	28	200								
		M 30	50	36	200								
150	150	M 24	60	28	300	2,5	83	52	81	75	30/40	17	12
		M 30	70	36	300	2,4							
		M 36	75	42	300	2,3							
		M 42	80	48	300	2,2							
200	200	M 36	90	42	400	4,9	120	82	118	80	35/45	19	12
		M 42	110	48	450	4,8							
		M 48	120	54	450	4,7							
		M 56	125	-	500	4,5							
		M 64	135	-	500	4,3							

*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 "7G"

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)
- optional with locking mechanism on request

Ordering example: clamping nut MCA 100 - M 24
incl. T-bolt screw 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 screw (A = 36 mm) _____