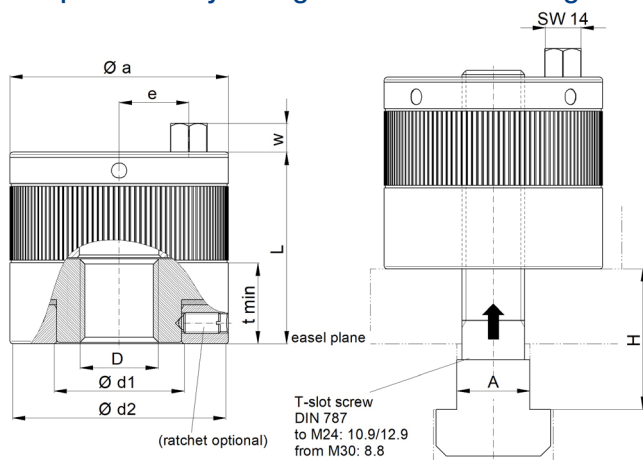


Mechanical Power Clamping Nut I Series MDA

- with through hole thread for variable clamping edges unlimited clamping stroke
- maximum clamping forces through force amplification mechanics
- optional quick delivery through automatic switching



material:
heat treated steel - nitro carburized

MDA Size	nominal clamping force [kN]	thread D* (7G)	nominal actuation torque [Nm]	max. static load [kN]	T-bolt A	weight approx. [kg]	Øa	Ød1	Ød2	e	L	t	hexagon socket SW**	w
60	60	M 12	30	70	14	1,6	74	40	72	21,5	58	23	14	11
		M 16	35	120	18	1,6								
		M 20	40	120	22	1,6								
120	120	M 16	65	130	18	2,6	84	50	82	26,5	73,5	32	14	11
		M 20	70	200	22	2,6								
		M 24	75	240	28	2,5								
		M 30	80	240	36	2,4								
180	180	M 24	90	300	28	4,0	105	64	103	35	78	37	14	11
		M 30	100	300	36	3,9								
		M 36	110	400	42	3,8								
		M 42	115	450	48	3,7								
		M 48	125	450	54	3,7								

*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"

**optional on request with hexagon socket SW8 or Torx TX50 (w=5mm)

Note:

- For optical control of minimum screw-in depth "t min" of the T-bolt, a groove has been provided on the housing circumference matching t_{min}.
- Supply including t-bolt on request (see ordering example).
- 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).
- Locking mechanism optional on request

Application example: Clamping nut MDA for clamping chain wheels during milling.

Ordering example: clamping nut incl. T-bolt MDA 120 - M 24 MDA 180 - 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) _____

