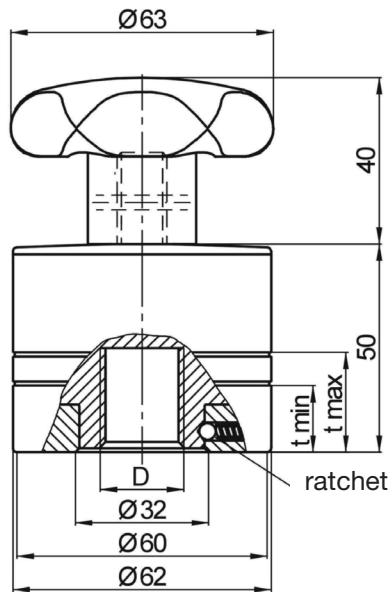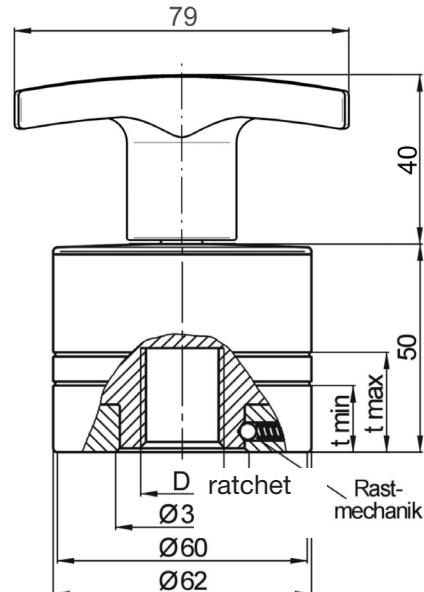# Mechanical Power Clamping Nut I Series MCA-S/MCA-T

⬦ simple & manual operation with handle ⬦ fast infeed motion due to automatic changeover

**clamping nut MCA-S
with star handle**

**clamping nut MCA-T
with T-handle**

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

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

Series	nominal clamping force [kN]	thread D* (7G)	max static load [kN]	screw in depth tmin tmax [mm]	weight approx. [kg]
		M 10	50		
MCA-S		M 12	70		
	40			16 24	1,0
MCA-T		M 16	120		
		M 20	120		

max. allowed temperature range: -30°C up to +90°C

Note:

Property class of threaded bolt should be at least Q 10.9. Sizes of thread larger than M 16 should use a property class of Q 12.9, or the max. static load must be reduced. For optical control of actual screw-in depth of the T-bolt, two grooves are cut into 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 by at least the amount of the stroke.

Application example:

MCA-T-clamping nut for adjustment of test bench sliding table

Ordering example: MCA-S - M 16   /   MCA-T - M 20