

## Item description/product images

**Description****Material:**

Housing high-carbon steel.

Cap aluminium.

Star grip and T-grip thermoplastic.

**Version:**

Carbonitrided; star and T-shaped grips: black

**Note:**

The clamp nut with star or T-grip are an improvement based on the tried and tested clamp nut 04750. A star or T-grip replaces the operating hexagon and an added indexing mechanism complements it. An integrated planetary gear serves as the force multiplier, the indexing mechanism triggers the automatic switch from the placing movement to the actual application of force. As a result, considerable clamping forces can be achieved with the simplest manual operation, with no additional ring or socket spanner. The robust construction and self-limiting function guarantee a high level of operating safety. Clamp nuts are used far beyond mechanical engineering for purposes in which high tension and clamping forces are required with the least possible expense. Clamp nuts are maintenance-free under normal operating conditions (max. 120 °C).

The threaded bolt must have a minimum grade 10.9.

With thread diameters less than M16, bolts grade 12.9 should be used or the maximum admissible static load must be reduced.

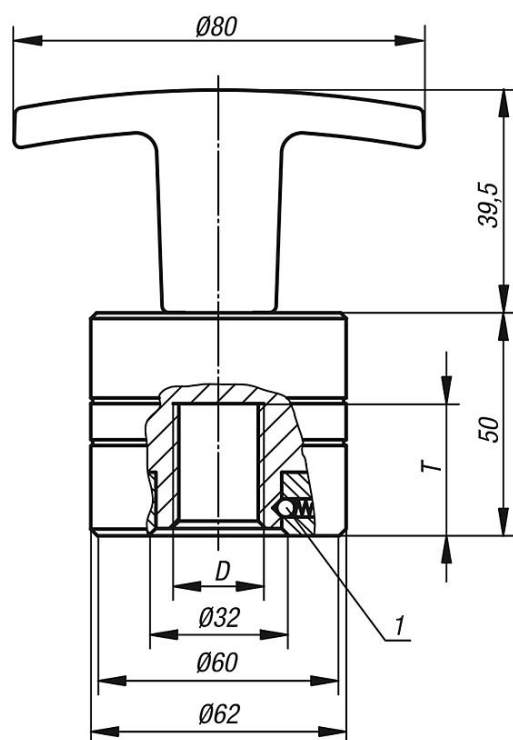
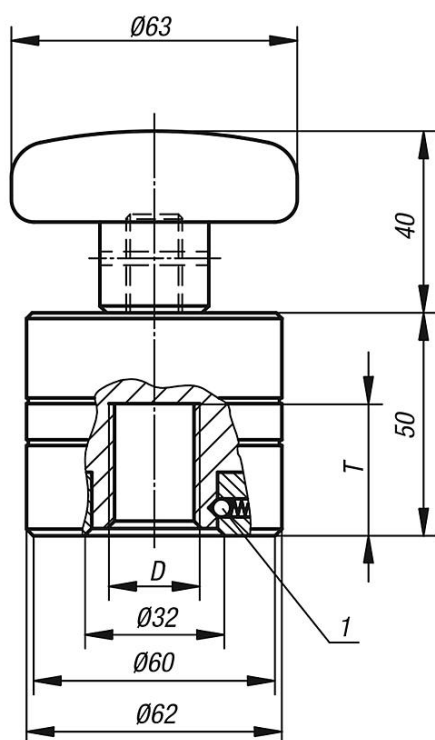
**Advantages:**

- simple, manual operation.
- high tension forces due to force reinforcement.
- rapid adjustment due to automatic conversion.
- high-level operating safety due to self-limitation.

**Drawing reference:**

1) ratchet

## Drawings



## Overview of items

| Order No.   | Version 1      | D   | T<br>min. | T<br>max. | Clamping<br>force<br>max. kN | max.<br>static<br>load kN | Tightening<br>torque<br>max. Nm |
|-------------|----------------|-----|-----------|-----------|------------------------------|---------------------------|---------------------------------|
| 04751-4010  | with star grip | M10 | 16        | 24        | 40                           | 50                        | 15                              |
| 04751-4012  | with star grip | M12 | 16        | 24        | 40                           | 70                        | 15                              |
| 04751-4016  | with star grip | M16 | 16        | 24        | 40                           | 120                       | 15                              |
| 04751-4020  | with star grip | M20 | 16        | 24        | 40                           | 120                       | 15                              |
| 04751-40102 | with t-grip    | M10 | 16        | 24        | 40                           | 50                        | 25                              |
| 04751-40122 | with t-grip    | M12 | 16        | 24        | 40                           | 70                        | 25                              |
| 04751-40162 | with t-grip    | M16 | 16        | 24        | 40                           | 120                       | 25                              |
| 04751-40202 | with t-grip    | M20 | 16        | 24        | 40                           | 120                       | 25                              |