Mechanical clamping elements - General
This clamping element group includes mechanical power clamping screws, power clamping nuts, and eccentric block type clamp. They are designed for manual operation with simple handling but at the same time with very high clamping forces. Manual tightening torque is used for clamping force monitoring. Various clamping mechanisms such as key systems, planet gears, eccentric principles and pressure distributors are used for power amplification. The sturdy design, the self-locking feature and a very high overload capacity ensure maximum reliability and long service life in this clamping elements.

Analogy to scale:
Application example – press tool clamp

Anwendungsbeispiele:

Clamping nut
Type: MCA 100 - M 24
Clamping force: 100 kN
Holding force: 200 kN

Clamping nut
Type: MDA 100 - M 24
Clamping force: 100 kN
Holding force: 200 kN

Slide - in clamp unit
Type: MES 60 - 60 - 28
Clamping force: 60 kN
Holding force: 120 kN

Eccentric block type clamp
Type: EBS 40
Clamping force: 40 kN
Holding force: 80 kN

MCA- power clamping nut for clamping of upper and lower die in a hydraulic press

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

Power clamping nut MDA for clamping of chain wheels during milling

Eccentric block type clamp EBS for positioning of a test bench sledge

Slide-in clamping devise MES for clamping the upper and lower die in a spotting press