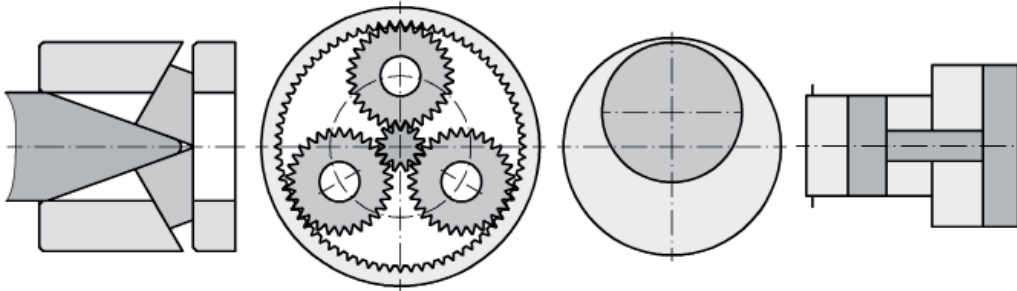


Mechanical clamping elements - General

This clamping element group includes mechanical power clamping screws, power clamping nuts, power clamping screws 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

Clamping force per element 40 - 100 kN

Clamping edge $h = 40 - 50 \text{ mm}$

T-groove width $m = 28 \text{ mm}$



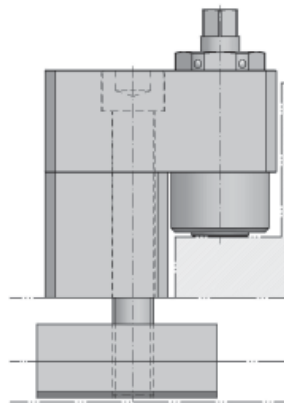
Clamping nut

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



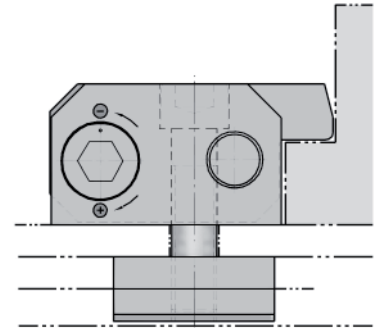
Clamping nut

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



Slide - in clamp unit

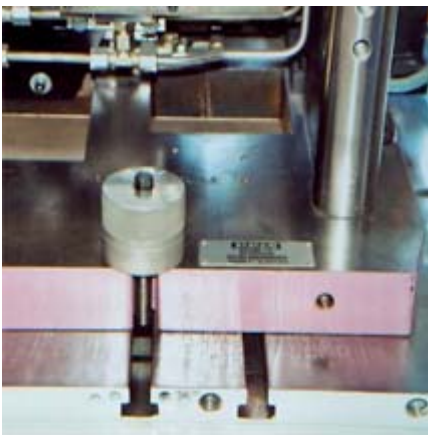
Type: MES 60 - 60 - 28
Clamping force: 60 kN
Holding force: 120 kN



Eccentric block type clamp

Type: EBS 40
Clamping force: 40 kN
Holding force: 80 kN

Anwendungsbeispiele:



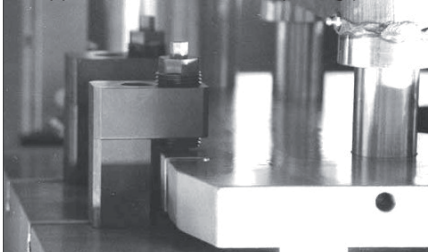
MCA- power clamping nut for clamping of upper and lower die in a hydraulic press

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



Power clamping nut MDA for clamping of chain wheels during milling

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



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

