

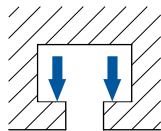
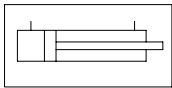
Mechanically Locking T-Bolt Clamp

MHKZ

Area of application

- For medium and large presses
- For increased functional safety even in case of pressure loss
- For different die sizes and clamping dimensions
- Suitable for clamping upper and lower dies
- For dies with U-shaped recesses
- For machine tools and special machines
- Recommendable for retrofitting

Mode of operation

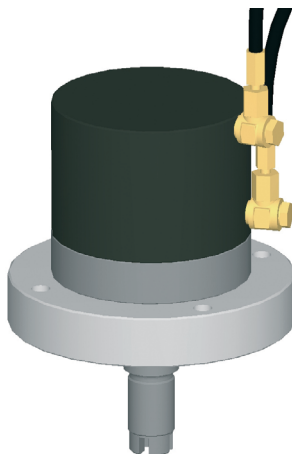


- The necessary clamping force is generated by a double-acting hydraulic cylinder with a wedge mechanism.
- The mechanically self-locking T-bolt clamp is pushed either manually or with one of the automatic positioning units EVK or EVS (see chapter of Flexible Clamp Systems) into the U-recess of the die and the T-slot on the machine underneath it. The design with flange is used to install the clamp unit to machine tools or special machines.

Description

The hydraulically operated clamping cylinder generates the required clamping force by means of a wedge mechanism which is mechanically self-locking when in clamped position.

To unclamp hydraulic pressure is applied to the unclamping side of the piston. We recommend the use of pilot-controlled check valves to maintain the unclamped position. The clamp unit can be operated centrally via the machine control system or by means of a separate hydraulic power pack.



Advantages

- Large clamping dimension tolerance
- Central operation
- Mechanically self-locking
- Low operating pressure
- Suitable for retrofitting

Accessories

- Fittings
- Hydraulic hoses / Hydraulic accessories
- Hydraulic power packs
- Pilot-controlled check valves

Technical data

Type	MHKZ 100
Clamping force [kN] / at operating pressure [bar]	100 / 80
Max. loading force [kN] ¹⁾	125
Max. operating pressure: Clamp (P _s) [bar]	80
Operating pressure: Unclamp (P _u) [bar]	120
Clamping dimension tolerance [mm]	+/- 2
Stroke [mm]	7
Oil volume: Clamp / unclamp [cm ³]	260 / 260
Max. operating temperature [°C]	110
Weight [kg]	8,5

1) Mechanical damage may occur at higher loads.

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