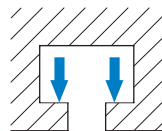
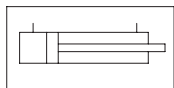


Area of application

- 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 units) 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.

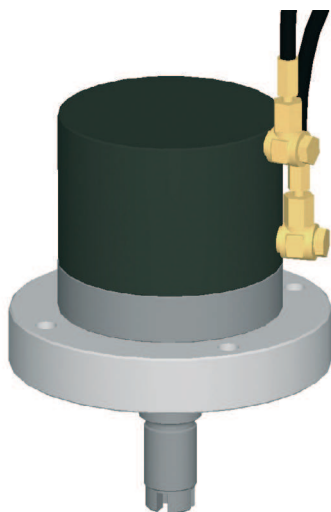
Description

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

Hydraulic pressure is only required during the process of clamping and unclamping.

To unclamp hydraulic pressure is applied to the unclamping side of the piston.

The clamp unit can be operated centrally via the machine control system or by means of a separate hydraulic power pack.



Advantages

- Infinitely variable adaptation to various die sizes
- Large clamping dimension tolerance
- Central operation
- Mechanically self-locking
- Low operating pressure
- Suitable for retrofitting

Accessories

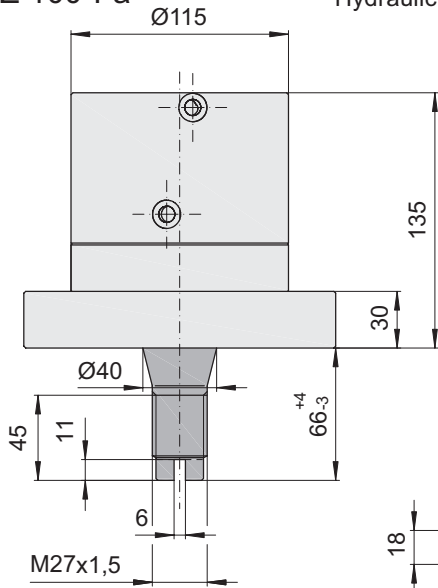
- Hydraulic connections
- Hydraulic hoses / Hydraulic accessories
- Hydraulic power packs

Technical Data

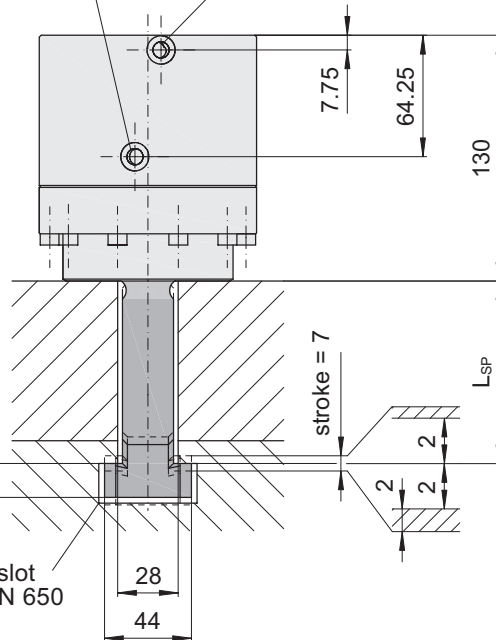
Type	MHKZ 100
Clamping force [kN] / at operating pressure [bar]	100 / 80
Max. loading force [kN] ¹⁾	160
Max. operating pressure: Clamp (P _S) [bar]	80
Operating pressure: Unclamp (P _L) [bar]	120
Clamping dimension tolerance [mm]	+/- 2
Stroke [mm]	7
Oil volumes: Clamp / unclamp [cm ³]	260 / 260
Max. operating temperature [°C]	70
Weight [kg]	8,5

¹⁾ Mechanical damage may occur at higher loads.

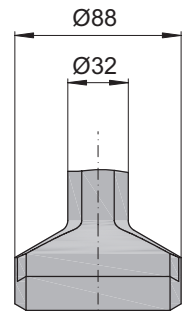
MHKZ 100-Fa



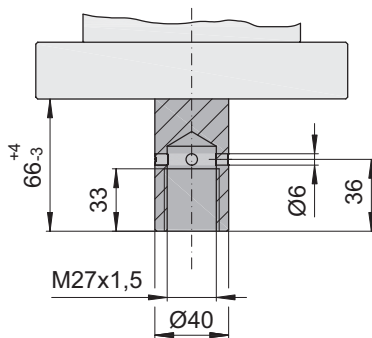
Hydraulic connection G1/8
"CLAMP"
Hydraulic connection G1/8
"UNCLAMP"



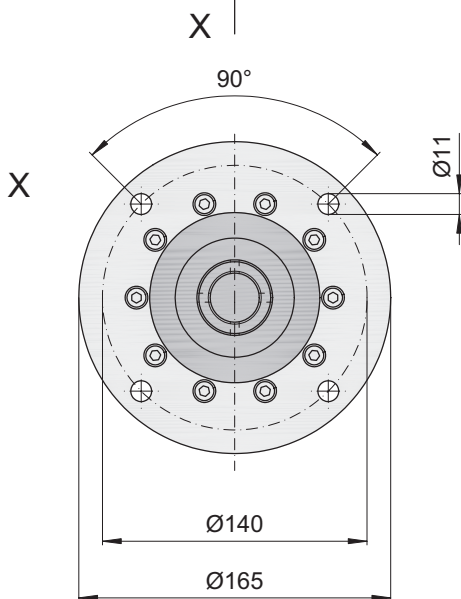
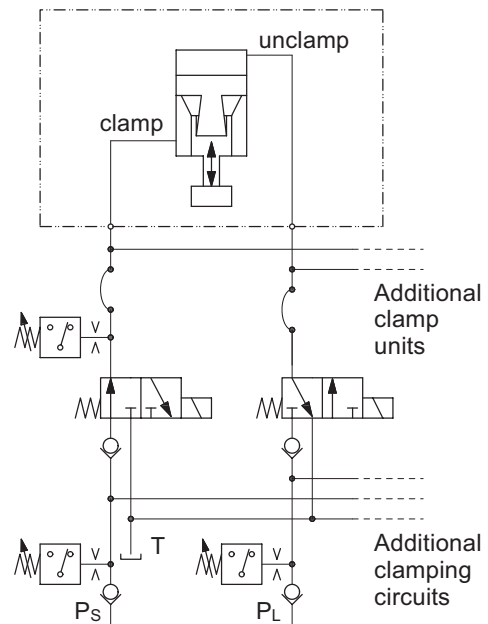
MHKZ 100



MHKZ 100-Fi



Designs for other T-slot
sizes available on request



Example order

MHKZ 100 - 28 - 95

Type _____
T-slot size _____
L_{SP} _____

MHKZ 100 - Fi

Type _____
Flange design _____
(tie bolt with
internal thread)

L_{SP} = Nominal clamping dimension [mm]

(Custom designs available on request)

Technical specifications are subject to change without notice!