

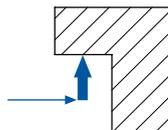
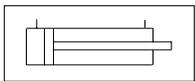
Flexible Clamp System

EVK with MHKZ

Application area

- For medium and large presses
- For various die and clamping dimensions
- For clamping upper dies
- For dies with U-recesses
- Suitable for retrofitting
- For operating pressure up to 120 bar

Mode of operation



- The electric positioning unit moves the self-locking clamp unit along the T-slot.
- A double-acting hydraulic cylinder generates the clamping force via a wedge mechanism.

Description

The electric positioning unit moves the self-locking clamp unit by means of a chain. The clamping force is generated hydraulically by a wedge mechanism. The clamp unit is mechanically self-locking.

Hydraulic pressure is only required for clamping and unclamping. Therefore, pressure control by means of a pressure switch on the hydraulic power pack is necessary. The electric positioning units may be switched off individually by the machine control so that these clamp units remain in their park position, where they are clamped.



Fixing is achieved with four hexagon head screws with flange (DIN 6921), M10x30, strength class 8.8 (not included).

1) Mechanical damage may occur at higher load.



Advantages

- Clamping of different die sizes
- Short clamping and unclamping time
- Clamping force is maintained by mechanical self-locking
- Displacement path up to 1000 mm available
- Clamping in the park position possible
- All important functions electrically monitored
- High automation level
- Central operation

Accessories

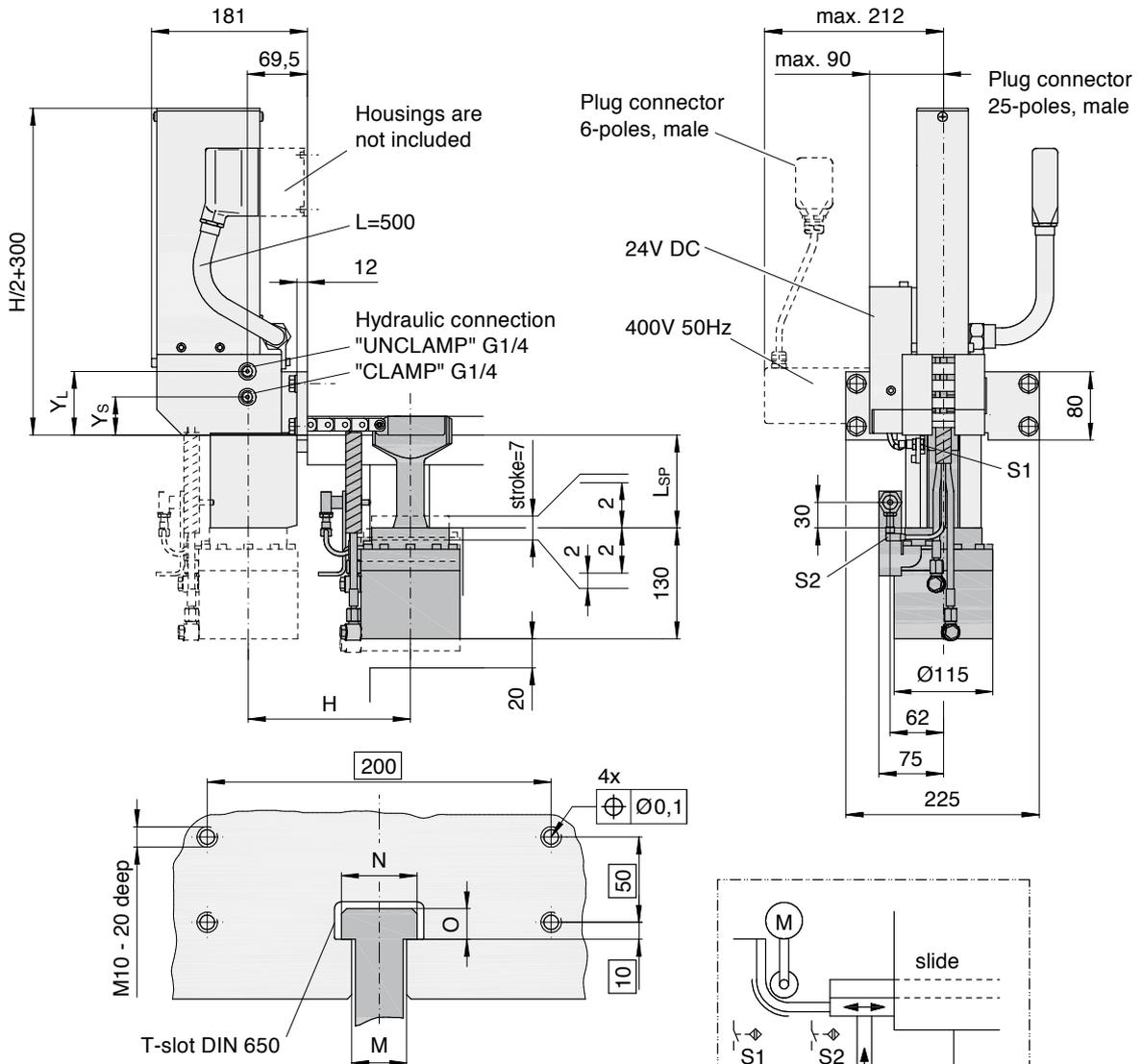
- Pilot-controlled check valves
- Fittings
- Hydraulic hoses / hydraulic accessories
- Hydraulic power packs
- Limit switches / cable
- Plug connectors

Technical Data

Positioning Unit	EVK		
Motor: Type	DC	alternatively	three-phase
Supply voltage	24V DC		400V 50 HZ
Motor power [W]	8		90
Positioning speed [mm/s]	150		145
Limit switches: Type	<ul style="list-style-type: none"> • Inductive proximity switches • PNP normally open; 10-30V DC 		
Switch voltage			
Designation	<ul style="list-style-type: none"> • Clamp unit in park position S1 • Clamp unit at the die S2 • End of displacement path (optional) S5 		
Plug connector	Han® 25 D		
	Han® 6 E (additionally for three-phase drive)		
Clamp Unit	MHKZ 100		
Clamping force [kN]/ at operating pressure [bar]	100 / 80		
Max. loading force [kN] ¹⁾	125		
Clamping dimension tolerance [mm]	+/- 2		
Stroke [mm]	7		
Pressure: Clamp / unclamp [bar]	80 / 120		
Oil volume: Clamp / unclamp [cm ³]	260 / 260		
Max. operating temperature [°C]	70		
Weight [kg]	20		

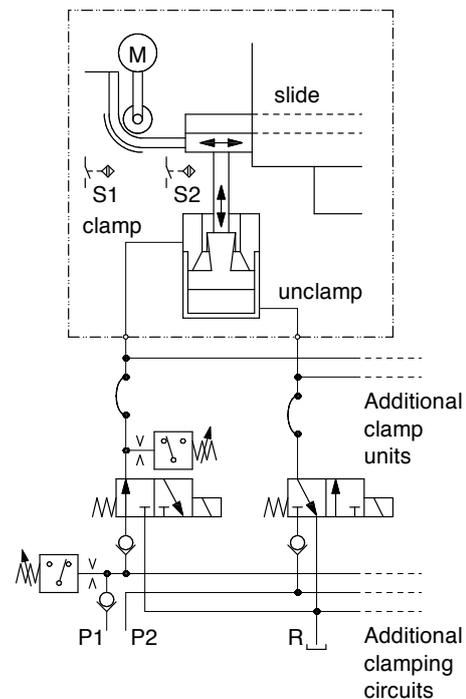
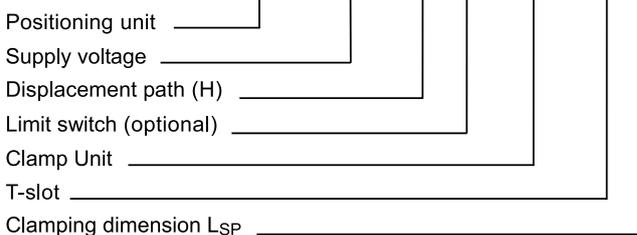
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T-Slot	M	N	O	Y _s	Y _L
28	28	44	18	42,5	72,5
32	32	50	20	44,5	74,5
36	36	54	22	46,5	76,5

Example order EVK-400V 50 Hz-700-S5-MHKZ100-28-90



(Custom designs available on request)