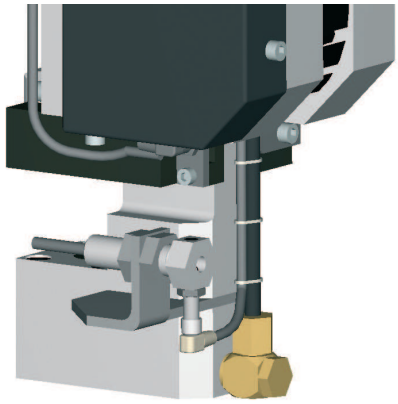
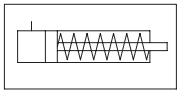
Flexible Positioning Unit
Type EVK with HEE

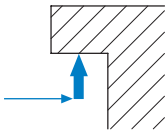
Application area

- For medium and large presses
- For various die dimensions
- For clamping upper dies
- For dies with straight clamping edge
- Suitable for retrofitting



Mode of operation





- The electric positioning unit moves the T-slot clamp along the T-slot.
- A single-acting hydraulic cylinder generates the clamping force.
- Unclamping of the hydraulic cylinder is effected by spring load with the operating pressure switched off.

Description

The electric positioning unit moves the hydraulic T-slot clamp by means of a chain. Hydraulic pressure is applied to the T-slot clamp to generate the clamping force.

The hydraulic pressure must be maintained to secure the clamping force (e.g, with pilot controlled check valves).
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.

Advantages

- Clamping of different die sizes
- Large clamping dimension tolerance
- Short clamping time
- Displacement path up to 1000 mm available
- All important functions electrically monitored
- High automation level
- Central operation

Accessories and fittings

- Pilot controlled check valves
- Screw joints
- Hydraulic hoses / hydraulic accessories
- Hydraulic power packs
- Limit switches / cable
- Plug connector

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

Technical Data

Positioning Unit	EVK	
Motor: Type Supply voltage	DC 24V	alternatively three-phase 400V 50Hz
Motor power [W]	8	25
Positioning speed [mm/s]	150	145
Limit switches: Type Switch voltage Designation	• Inductive proximity switches • PNP normally open ; 10-30 V DC • 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	**HEE 63**	**HEE 85**
Clamping force [kN] / at operating pressure [bar]	63 / 400	85 / 400
Max. loading force [kN] [1]	80	100
Max. operating pressure [bar]	400	
Clamping dimension tolerance [mm]	+/- 4	
Stroke [mm]	12	
Oil volume: Clamp [cm³]	19	25,5
Max. operating temperature [°C]	70	
Weight [kg]	21,5	23

[1] Mechanical damage may occur at higher load.

Technical specifications are subject to change without notice!

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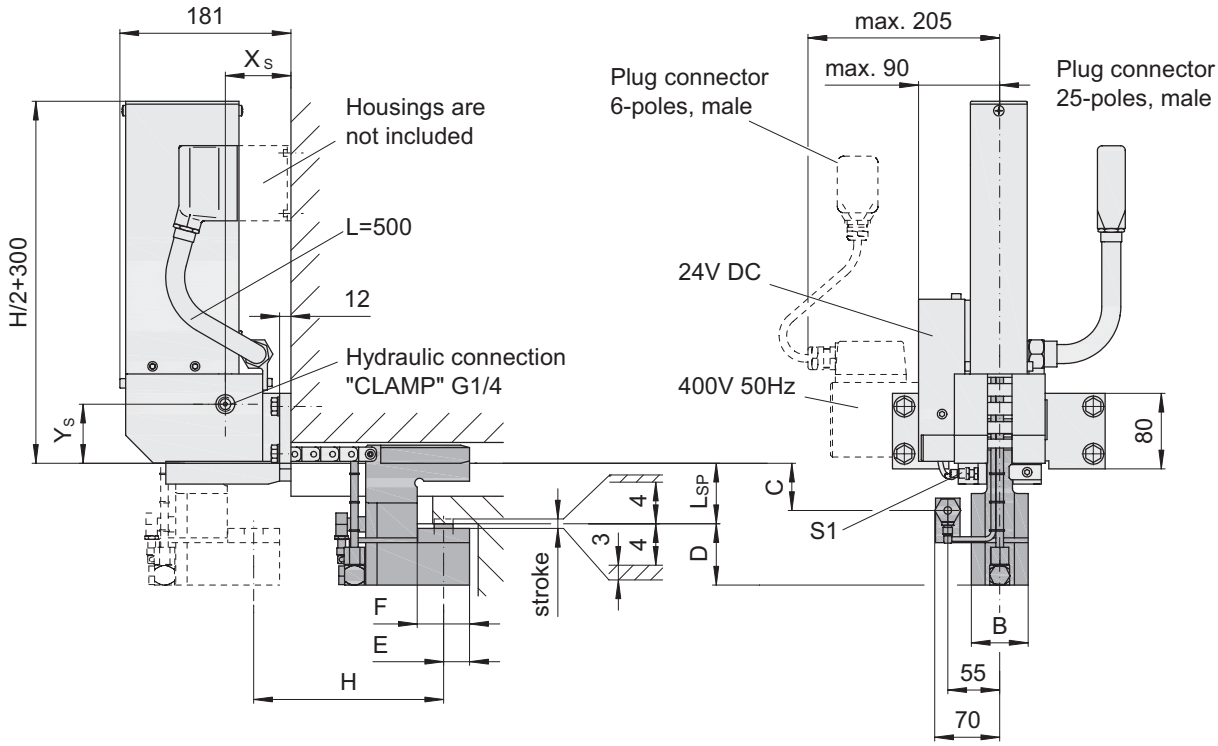

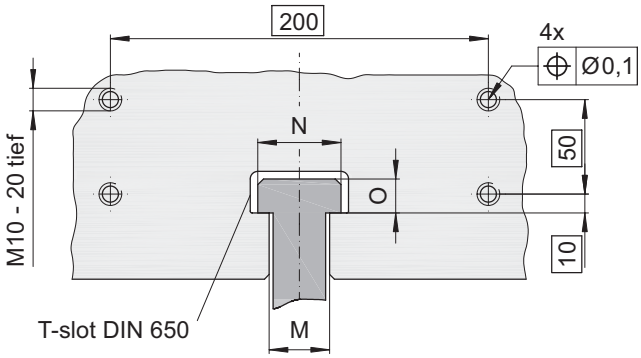

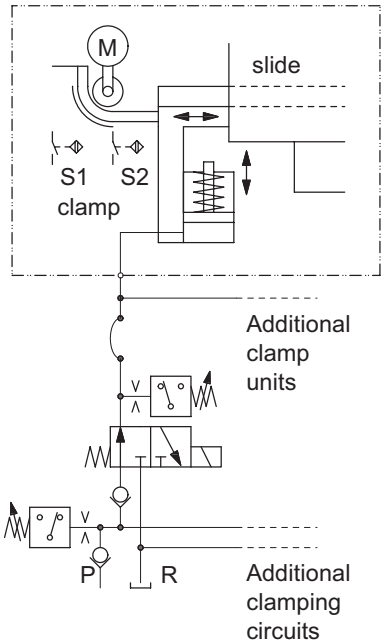

T-slot	M	N	O	Y_s
28	28	44	18	62,5
32	32	50	20	64,5
36	36	54	22	66,5

Example order

EVK - 400V 50 Hz - 700 - S5 - HEE 85 - 28 - 75

- Positioning unit
- Supply voltage
- Displacement path (H)
- Limit switch (optional)
- Clamp unit
- T-slot
- Clamping dimension L_{SP}

Type	B	C	D	E	F	X_s
HEE 63	55	58	67	27,5	55,5	69,5
HEE 85	70	55	72	30	60,5	79,5

(Custom designs available on request)

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