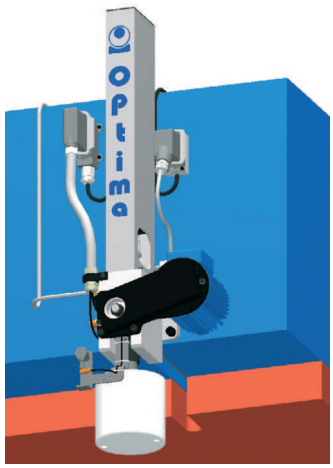
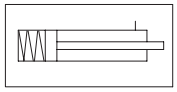
Flexible Positioning Unit
Type EVS with ZSF

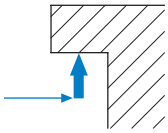
Application area

- For medium and large presses
- For various die dimensions
- For clamping upper dies
- For dies with U-recesses and standardised clamping dimensions
- Suitable for retrofitting



Mode of operation





- The electric positioning unit moves the spring clamp unit along the T-slot.
- A single-acting spring clamp cylinder generates the clamping force.
- Unclamping of the spring clamp unit is effected hydraulically.

Description

The electric positioning unit moves the spring clamp unit by means of a spindle and spindle nut. For clamping, the clamp unit is depressurized so that the clamping force is generated by the springs. Hydraulic pressure is required for unclamping respectively positioning of the clamp units.

Pressure control by means of a pressure switch on the hydraulic power pack is necessary.

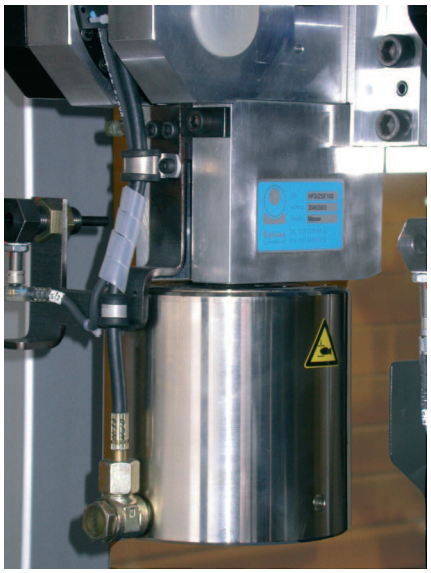
The electric positioning units may be switched off individually by the machine control so that these clamp units remain in their park position, where they are clamped.

Advantages

- Clamping of different die sizes
- Short clamping time
- The clamping force is generated mechanically by springs.
- Displacement path up to 1000 mm available
- Clamping in the park position possible
- 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 connectors



Fixing is achieved with four hexagon head screws with flange (DIN 6921) M10x30, strength class 8.8 and two spring dowel pins Ø8x20.
(not included)

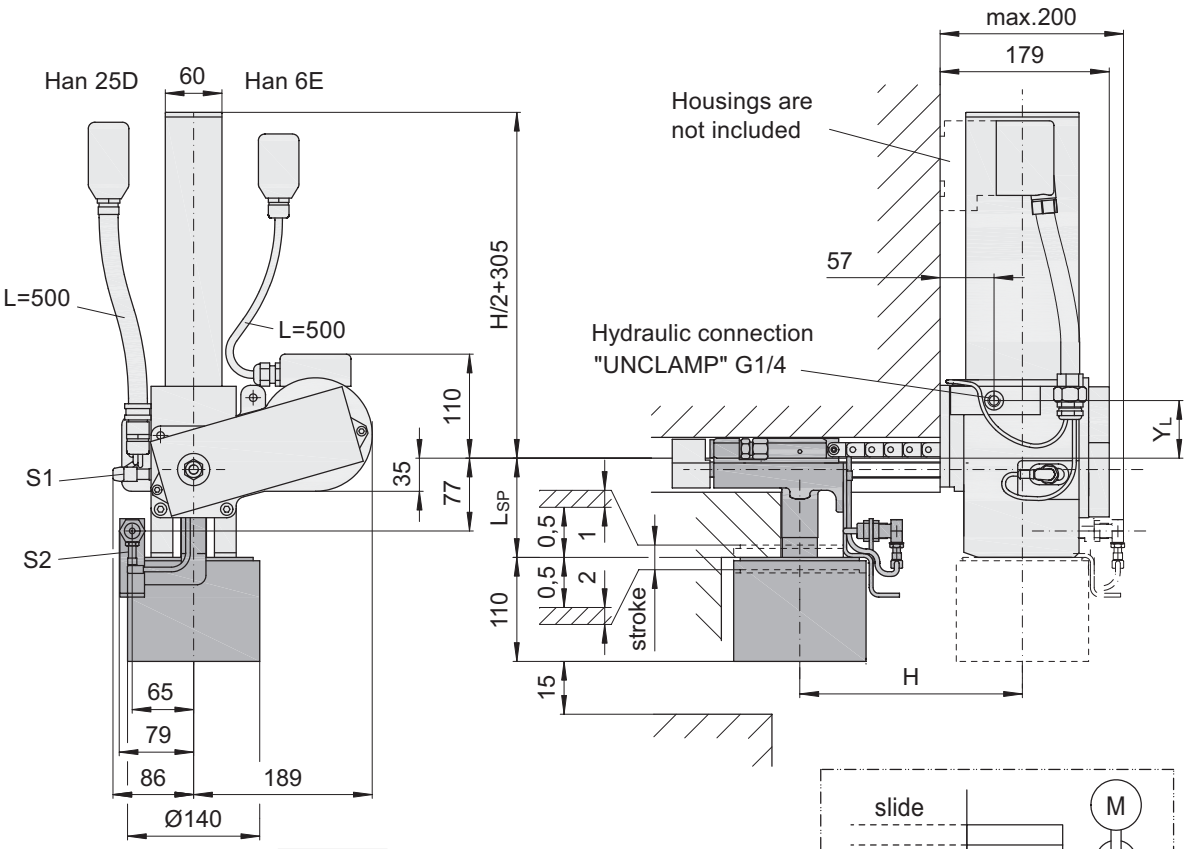
Technical Data

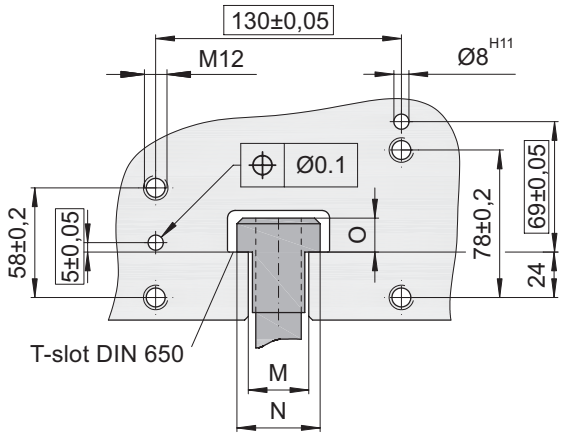
Positioning Unit	EVS
Motor: Type Supply voltage	three-phase 400V 50 Hz
Motor power [W]	60
Positioning speed [mm/s]	91
Limit switches: Type Switch voltage Designation	• Inductive proximity switches • PNP normally open ; 10-30 V DC • Clamp unit in park position S1 • Clamp unit at the die S2 • End of displacement path (optional) S5
Plug connector	Han 25 D Han 6 E
Clamp Unit	**ZSF 100**
Clamping force [kN]	100
Max. loading force [kN] [1]	130
Clamping dimension tolerance [mm]	+/- 0,5
Stroke [mm]	4
Unclamp pressure / max. unclamp press.	140 / 160 [bar]
Oil volume: Unclamp [cm³]	37
Max. operating temperature [°C]	70
Weight [kg]	21

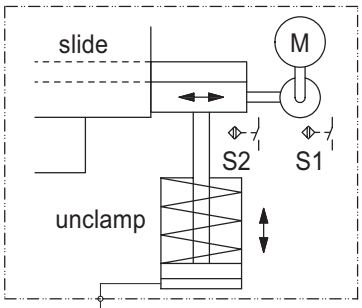
[1] Mechanical damage may occur at higher load.

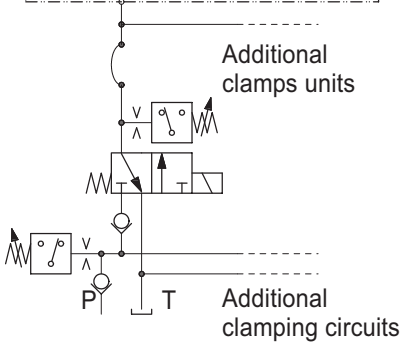
Technical specifications are subject to change without notice!

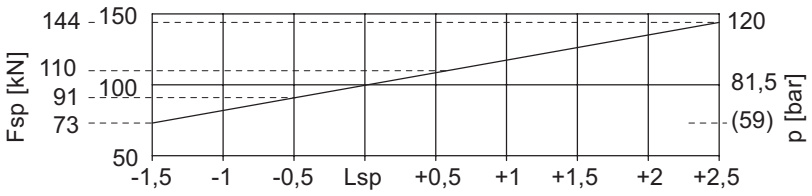
Optima Spanntechnik GmbH · P.O. Box 52 · D-57584 Scheuerfeld · Phone: +49 (0)2741/9789-0 · Fax: +49 (0)2741/9789-10
Internet: www.optima-spanntechnik.de · E-mail: info@optima-spanntechnik.de











T-slot	M	N	O	Y_L
28	28	44	18	61
32	32	50	20	63
36	36	54	22	65

(Custom designs available on request)

Example order

EVS - 400V 50 Hz - 700 - S5 - ZSF100 - 28 - 90

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