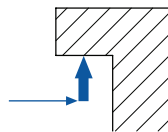
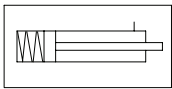


Flexible Clamp System EVS with ZSF

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

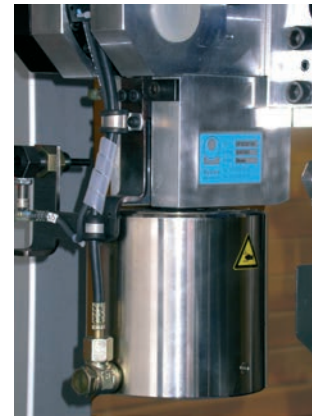


- The electric positioning unit moves the spring clamp unit along the T-slot.
- A single-acting spring clamp cylinder generates the clamping force.
- Unclamping of the spring clamp units is effected hydraulically.

Advantage

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 springs generate the clamping force. Hydraulic pressure is required for unclamping respectively positioning of the clamp units.

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.



Advantages

- Clamping of different die sizes
- Short clamping time
- 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

- Fittings
- Hydraulic hoses / hydraulic accessories
- Hydraulic power packs
- Limit switches / cable
- Plug connectors



Fixing is achieved with four hexagon headscrews with flange (DIN 6921), M10x30, strength class 8.8 and two spring dowelpins 8.8 (DIN 1481) Ø8x20 (not included).

1) Mechanical damage may occur at higher load.

Technical Data

Positioning Unit	EVS
Motor: Type	three-phase
Supply voltage	400 V 50 HZ
Motor power [W]	60
Positioning speed [mm/s]	91
Limit switches: Type	• Inductive proximity switches
Switch voltage	• PNP normally open; 10-30V DC
Designation	• Clamp unit in park position S1
	• Clamp unit at the die S2
	• End of displacement path (optional) S3
Plug connector	Han® 25 D Han® 6 E
Clamp Unit	ZSF 100
Clamping force [kN]	100
Max. loading force [kN] ¹⁾	125
Clamping dimension tolerance [mm]	+/- 0,5
Stroke [mm]	4
Unclamp pressure/max. unclamp pressure [bar]	120 / 140
Oil volume: Unclamp [cm ³]	37
Max. operating temperature [°C]	70
Weight [kg]	31

Flexible Clamp System

EVS with ZSF

Plug connector 25 poles, male
60
Plug connector 6 poles, male
L=500
S1
S2
H/2+305
110
35
77
110
110
15
stroke
0.5
0.5
1
2
H
Y_L
max.200
179
57
Housings are not included
Hydraulic connection "UNCLAMP" G1/4

slide
unclamp
M
S2
S1

Additional clamps units
Additional clamping circuits
V
P
T

144 - 150
110
91
73
50
-1,5 -1 -0,5 Lsp +0,5 +1 +1,5 +2 +2,5
120
81,5
(59)
p [bar]

130±0,05
M12
Ø8^{H11}
Ø0.1
58±0,2
5±0,05
78±0,2
24
69±0,05
T-slot DIN 650
M
N

T-Slot	M	N	O	Y _L
32	32	50	20	63
36	36	54	22	65

(Custom designs available on request)

Example order EVS - 400V 50 Hz - 700 - S5 - ZSF100 - 32 - 90

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