

Flexible Clamp System

EVK with DHKZ

Application area

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

Mode of operation



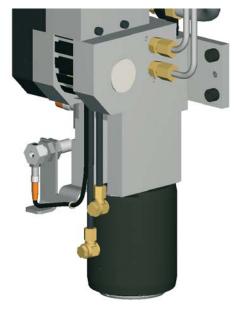


- The electric positioning unit moves the clamping cylinder along the T-slot.
- A double-acting hydraulic cylinder generates the clamping force.
- Unclamping of the clamping cylinder is provided hydraulically.



The electric positioning unit moves the clamping cylinder by means of a chain. Hydraulic pressure is applied to the hydraulic cylinder 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, where they are clamped.



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)

1) Mechanical damage may occur at higher load.



Advantages

- Clamping of different die sizes
- Large clamping dimension tolerance
- Short clamping and unclamping time
- 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
- Fitting
- 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		400V 50 HZ
Motor power [W]	8		90
Positioning speed [mm/s]	150		145
Limit switches: Type	 Inductive proximity switches 		
Switch voltage	 PNP normally open; 10-30V DC 		
Designation	 Clamp unit i 	n park position	S1
	 Clamp unit a 	at the die	S2
	 End of display 	acement path (optional) S5
Plug connector	Han® 25 D		
	Han® 6 E (add	itionally for thr	ee-phase drive)

Clamp Unit	DHKZ 100
Clamping force [kN] / at operating pressure [bar]	100 / 400
Max. loading force [kN] 1)	130
Max. operating pressure [bar]	400
Clamping dimension tolerance [mm]	+/- 4
Stroke [mm]	12
Oil volume: Clamp / unclamp [cm³]	31 / 31
Max. operating temperature [°C]	70
Weight [kg]	20



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