

Flexible Clamp System **EVK-A** with HKZ

Application area

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

Mode of operation





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

Description

Thanks to its simple but solid design this positioning unit can be produced cost-effectively. The electric positioning unit moves the T-bolt clamp by means of a chain. Hydraulic pressure is applied to the T-bolt 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, where they are clamped. **Technical Data**



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

1) Mechanical damage may occur at higher load.



Advantages

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Positioning Unit

- Simple but solid design of the clamping system .
- Clamping of different die sizes
 - Large clamping dimension tolerance
- Short clamping time
- Displacement path up to 1000 mm available
- Clamping in the park position possible
- All important functions electrically monitored

EVK

- High automation level
- Central operation

	Motor: Type	three-phase
	Supply voltage	400V 50Hz
	Motor power [W]	90
	Positioning speed [mm/s]	145
	Limit switches: Type Switch voltage Designation	 two inductive proximity switches 10-30V DC Clamp unit in park position S1 Clamp unit at the die S2
	Plug connector	Han 25 D Han 6E
	Clamp Unit	HKZ 104/240
	Clamping force [kN] / at operating pressure [bar]	104 / 240
	Max. loading force [kN] ¹⁾	130
	Max. operating pressure [bar]	240
	Clampingdimensiontolerance[mm]	+/- 4
	Stroke [mm]	12
nge	Oil volume: Clamp [cm ³]	52
	Max. operating temperature [°C]	70
	Weight [kg]	17,5

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