

Hydraulic T-Bolt Clamp HKZ/HKZ-K

Application area

- For small to medium presses
- For various die sizes and clamping dimensions
- For clamping upper and lower dies
- For dies with U-recess
- Especially recommendable for retrofitting

Mode of operation





- The piston of the hydraulic T-bolt clamp is connected to the T-bolt via a screw thread, by means of which the die is clamped against the machine's clamping surface.
- The required clamping force is created by a single-acting hydraulic cylinder.
- The T-bolt clamp is pushed either manually or with one of the automatic positioning units EVK or EVS (see chapter of Flexible Clamp Systems) into the U-recess of the die and the T-slot on the machine underneath it.

Description

The hydraulically driven clamping cylinder of the clamp unit generates the required clamping force directly. In order to secure the clamping force, hydraulic pressure must be maintained (e.g. with pilot-controlled valves).

Pressure sensing by the pressure switch on the hydraulic power pack is required. The continuous variation in length of the T-bolt enables an infinitely variable adaptation to various clamping dimensions and makes a standardisation of dies / adapter plates largely redundant. The clamp unit can be operated centrally via the machine control system or by means of a separate hydraulic power pack with integrated control.



Advantaged

- T-bolt is secured against unclamping
- Large clamping dimension tolerance
- Easy installation
- Central operation
- Continuous clamping force monitoring by pressure sensing
- Maintenance free
- Simple operation
- Especially designed for retrofitting

Accessories

- Check valves
- Clamp holders
- Fittings
- Hydraulic hoses / Hydraulic accessories
- Hydraulic power packs



Technical specifications are subject to change without notice!

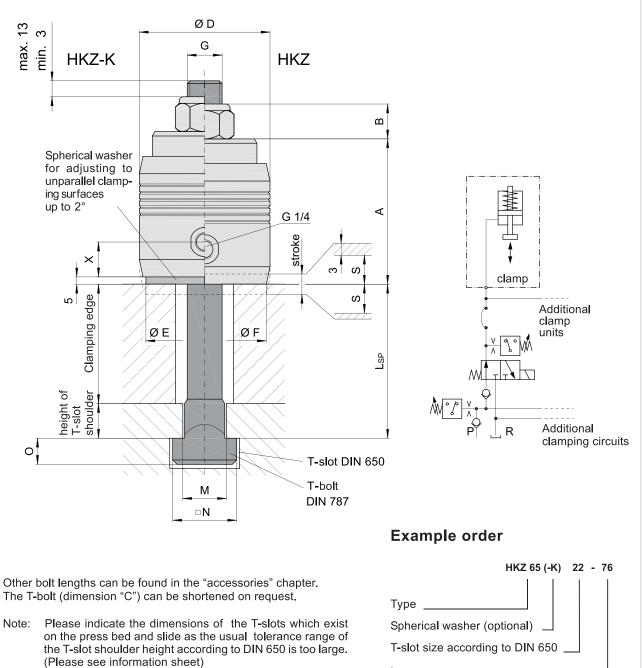
Technical data

Туре	HKZ 40	HKZ 65	HKZ 104				
Clamping force [kN] / at operating pressure [bar]	40 / 400	65 / 400	104 / 400				
Max. loading force [kN] 1)	50	130					
Max. operating pressure [bar]	400						
Clamping dimension tolerance [mm]	+/- 4						
Stroke [mm]	12						
Oil volume: Clamp [cm ³]	12	20	31				
Max. operating temperature [°C]	110						
Weight [kg] / with spherical washer	2,3 / 2,4	2,7 / 2,9	3,7 / 4,0				

1) Mechanical damage may occur at higher loads.

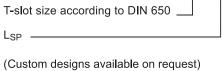


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L_{SP} = Nominal clamping dimension [mm]

S = Clamping dimension tolerance [mm]



Туре	T-Slot m	stroke	S	A	В	ØD	Ø E	Ø F	G	Ν	0	Х	L _{SP}	
HKZ 40	18	12	4	80	16	70	68	70	M16	28	10	15	31	98
HKZ 65	18 22	12	4	90	16 20	80	68	73,5	M16 M20	28 35	10 14	21	26 40	88 134
HKZ 104	28 36	12	4	100	24 30	90	78	85	M24 M30	44 54	18 22	24	49 68	120 179