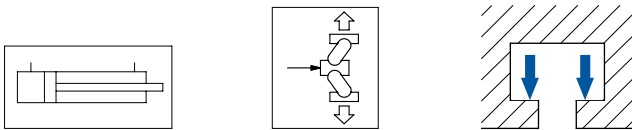


Hydromechanical Clamp Unit OHZ-K

Application area

- For dies and special machines of widely varying designs
- For clamping carriages, pallets, turning knobs and similar objects
- For clamping tailstocks, machine columns or H frames as well as lathe revolvers.
- Fixed installation

Mode of operation



- The clamping force is generated by a toggle mechanism. This is actuated by a double-acting hydraulic cylinder.

Description

The hydraulically driven clamp unit generates the clamping force via a toggle mechanism. The system is mechanically self-locking. Low hydraulic pressure is only required during the process of clamping and unclamping. The Optima „Aktivator“ ensures that the clamping force is continuously monitored.

In the event of clamping force loss, an error message is generated which causes the machine to stop. In order to unclamp, the opposite side of the main piston is supplied with hydraulic pressure.

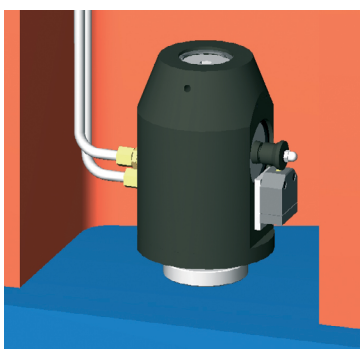


Advantages

- Mechanically self-locking
- Highest level of safety thanks to continuous clamping force monitoring by the Optima „Aktivator“
- Low operating pressure
- High clamping force and small dimensions
- Practically maintenance free
- Fully automatic operation
- Simple monitoring of functions by proximity switch / limit switch

Accessories

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



Technical data

Type	OHZ-K 50 S	OHZ-K 100 S	OHZ-K 200 S
Clamping force [kN] /	50	100	200
Max. loading force [kN] ¹⁾	63	125	250
Operating pressure [bar] min / max	90 / 100	110 / 140	
Clamping dimension tolerance [mm]	+/- 0,2		
Oil volume: Clamp / unclamp [cm ³]	30 / 30	70 / 70	130 / 130
Max. oil volume flow [l/min] ²⁾	0,4 - 0,6	1,0 - 1,5	1,5 - 2,0
Limit switch: Number / type (optional)	1 inductive proximity switch	1 mechanical limit switch	
Supply voltage	10-30 V DC	250 V AC	
Connection type	Plug-in type M 12	Screw connection	
Designation	S6	S6	
Max. operating temperature [°C]	70		
Weight [kg]	10	15	20

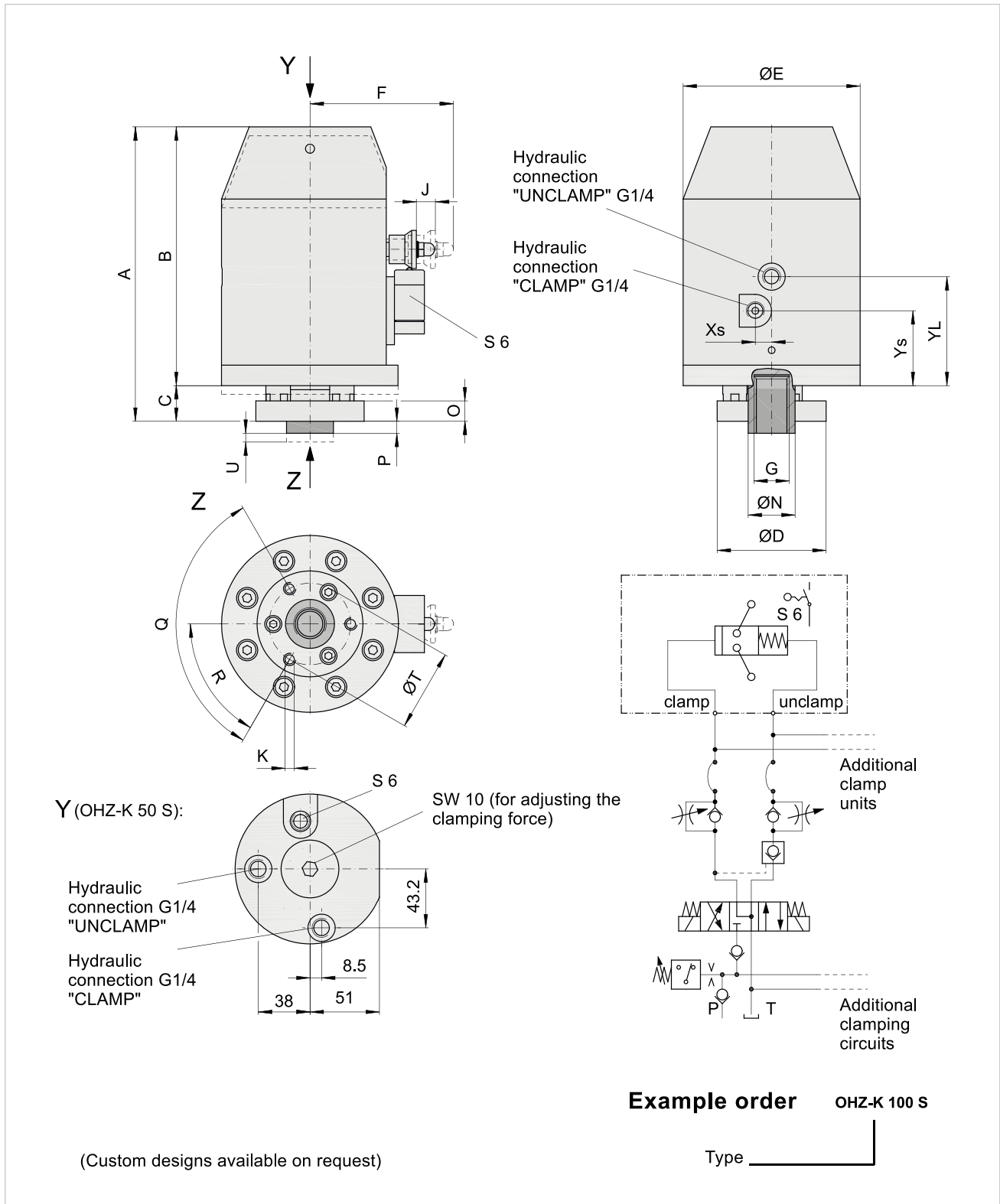
1) Mechanical damage may occur at higher loads.

2) If a pump with a greater output is used, the oil flow must be reduced by means of flow control valves or pilot-controlled check valves.

Fixing is achieved with four screws, DIN EN ISO 4762 strength class 10.9 (not included).

Hydromechanical Clamp Unit

OHZ-K



Type	A _{max.}	B	C _{max.}	ØD	ØE	F	G	J _{max.}	K	L	ØN	O	P	Q	R	ØT	U	X _S	Y _L	Y _S
OHZ-K 50 S	197	145	21,5	70	110	-	M18 x 1,5	-	M6	22	26	12	-	3 x 120°	60°	60	2	-	-	-
OHZ-K 100 S	218	190	28	80	130	112	M24 x 1,5	14	M8	42	35,5	15	2,5	3 x 120°	60°	60	4,5	12	55	80
OHZ-K 200 S	256	226	30	100	155	114	M36 x 3	14	M10	55	50	15	1,5	4 x 90°	0°	78	4,5	20	76	125