

Hydraulic Turn Clamp Cylinder HDSZ

Application area

- · For medium and large presses
- · For clamping upper and lower dies
- For dies with lock plate, U-recess or T-slot
- · Fixed installation in press slide or press bed

Mode of operation





- A single-acting hydraulic cylinder with spring return supplies the clamping movement.
- A double-acting hydraulic cylinder provides rotation.

Description

A hydraulic rotation unit turns the tie rod head 90°. Then, the clamping cylinder executes the clamping stroke. The sequence of movements is controlled internally. In order to secure the clamping force, hydraulic pressure must be maintained (e.g. with pilot-controlled check valves).

Pressure monitoring by the pressure switch on the hydraulic power pack is required. To unclamp, the tie rod is lifted off the die by means of a return spring. Rotation occurs via the hydraulic rotation unit.

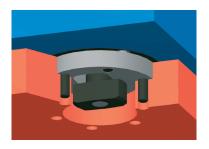


Advantages

- · Fully automated operation
- · Large clamping dimension tolerance
- Simple monitoring of functions by proximity switches
- · Minimal installation investment
- Pratically maintenance free
- High clamping force and small dimensions
- Only two hydraulic connections required
- Tie rod can be turned by hand

Accessories

- Pilot-controlled check valves
- Flow control valves
- Fittings
- Hydraulic hoses / Hydraulic accessories
- · Hydraulic power packs
- Limit switches / cable



Technical data

¹⁾ Mechanical damage may occur at higher loads.

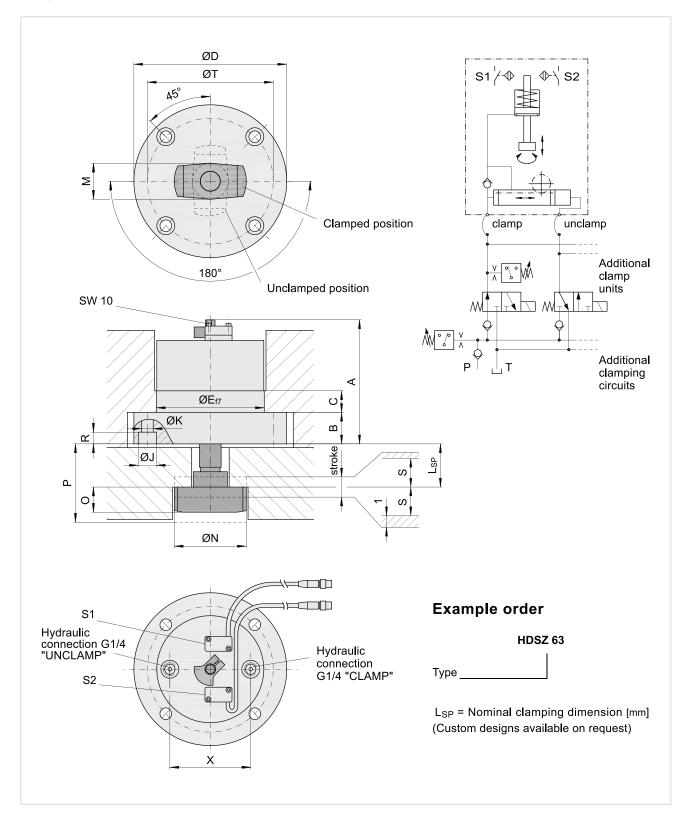
Fixing is achieved with four screws, DIN EN $\,$ ISO 4762 , strength class 10.9 (not included).

If a pump with a greater output is used, the oil flow must be reduced by means of flow-control valves or one-way restrictors.



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Туре	stroke	S	Α	В	С	ØD	ØΕ	ØJ	ØK	M	ØN	0	Р	R	ØT	Х	L _{SP}
HDSZ 63	6	2	135	35	20	150	110	20	13	34	65	24	48	13	128	80	19
HDSZ 100	6	2	145	35	20	170	120	20	13	40	80	28	57	13	140	90	24
HDSZ 160	6	2	155	40	20	195	140	26	17	50	95	35	69	16,5	165	110	29