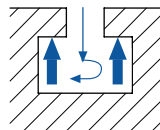
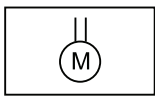


Electromechanical Retracting Turn Clamp Unit EDH

Application area

- For medium and larger presses
- For clamping upper, lower and interior dies on multi-acting presses
- For dies and adapter plates with identical dimensions and integrated lockplates or U-recesses
- Stationary installation on the edge of slide, the slide or the machine bed

Mode of operation



- An electric motor with gear provides the extension and retraction movement and the clamping force.
- During the clamping and unclamping movement the tie rod is turned through 90°.

Description

By means of a gear drive an electric motor causes a spindle to rotate. Through this a nut and the tie rod connected to it is moved up or down. Before the end of its extension movement the tie rod is mechanically unlocked and turned. Energy is only required during the clamping and unclamping processes. The clamp unit is mechanically self-locking. The clamping force is continuously monitored.

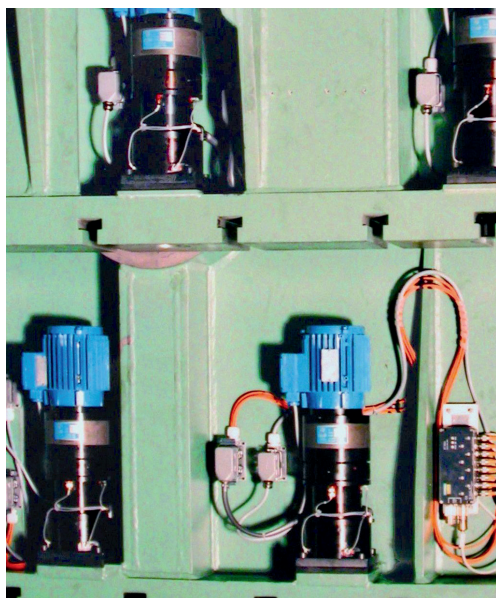


Advantages

- Mechanically self-locking
- Electric monitoring of all functions
- Fully automated operation
- Large clamping dimension tolerance
- Continuous clamping force monitoring

Accessories

- Limit switches / cables
- Plug connectors



Technical data

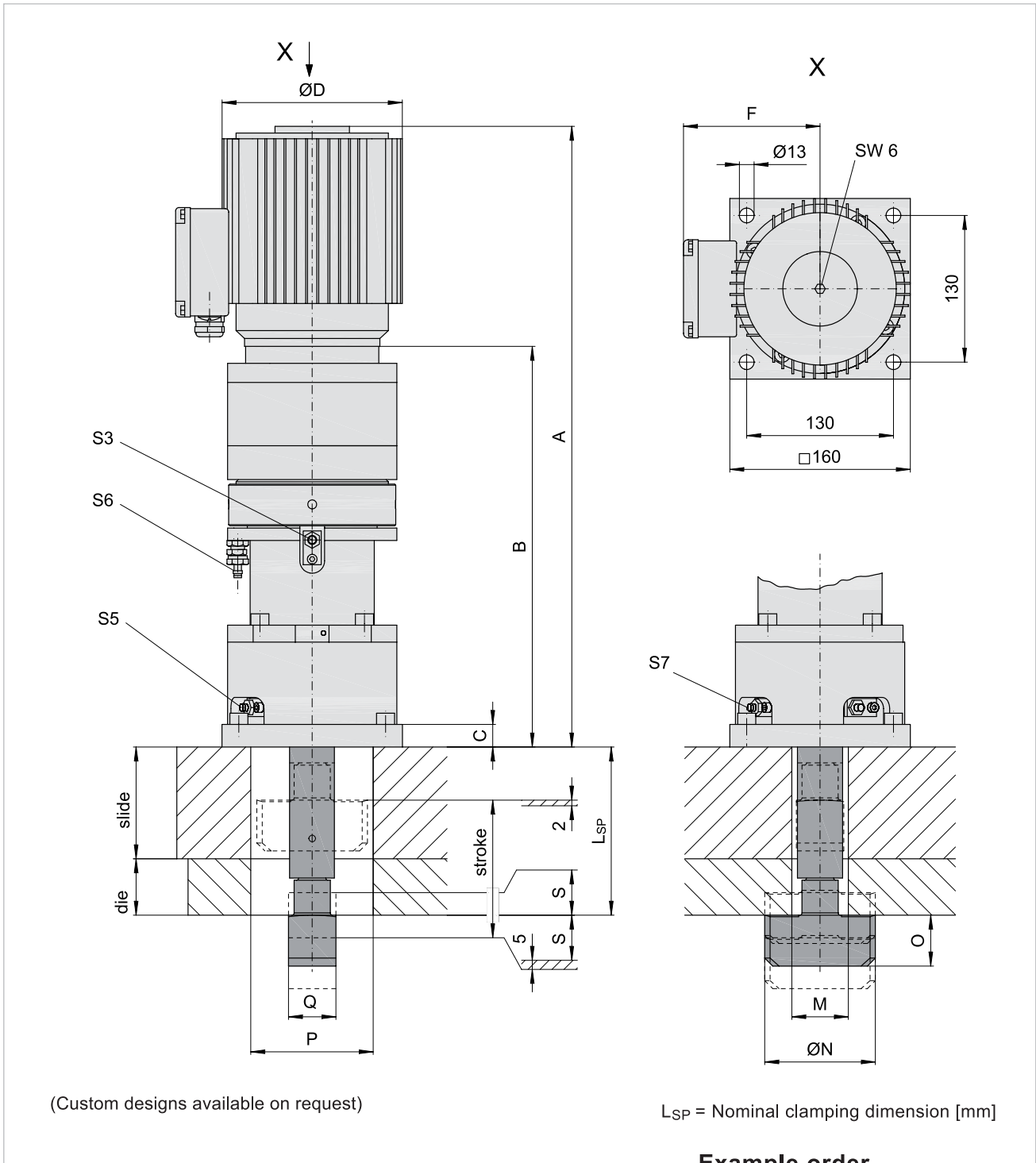
Type	EDH 60	EDH 120	EDH 240
Clamping force [kN]	60	120	240
Max. loading force [kN] ¹⁾	100	200	400
Clamping dimension tolerance [mm]	+/- 7		
Stroke [mm]	92	107	137
Clamping speed [mm/s]	3		
Motor: Type	three-phase		
Supply voltage [V]	400 V 50 HZ		
Motor Power [kW]	0,55	0,75	1,5
Limit switches: Number / Type	<ul style="list-style-type: none"> • Four inductive proximity switches • PNP normally open; 10-30V DC • Plug-in type (M8x1) 		
Supply voltage	<ul style="list-style-type: none"> • Tie rod retracted S3 • Tie rod in clamping position S5 • Continuous clamping force monitoring S6 • Tie rod in unclamping position S7 		
Connection type			
Designation			
Max. operating temperature [°C]	70		
Weight [kg]	36	40	50

¹⁾ Mechanical damage may occur at higher loads.

Fixing is achieved with four screws M12, DIN 912 strength class 8.8 (not included).

Electromechanical Retracting Turn Clamp Unit

EDH



L_{SP} = Nominal clamping dimension [mm]

Example order

EDH 120 - 150
 Type _____
 L_{SP} _____

Type	stroke	S	A	B	C	ØD	F	M		ØN	O	P	Q	L _{SP} min.
								min.	max.					
EDH 60	92	7	532	352	20	150	111	45	50	80	30	90	36	95
EDH 120	107	7	548	353	20	160	123	50	60	98	45	120	42	110
EDH 240	137	7	658	429	30	160	123	65	70	120	60	160	62	140