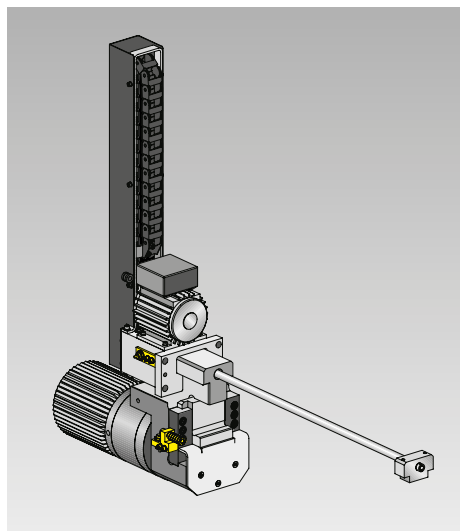


Angular Clamps

electro-mechanical, with lead screw drive

clamping force 12 and 160 kN, with position monitoring



Application

Automatic clamping of dies

- on the press ram
- on blank holders
- at environmental temperatures up to max. 70 °C

Advantages

- High adaptability to varying clamping edge heights
- Clamping in any position of the travelling path
- High operational safety by position monitoring and automatic motion sequence
- Central operation of all clamping elements
- Additional safety by mechanical self-locking
- Resistant to high mechanical loads
- Shock-resistant up to a max. ram acceleration of 12 g
- Suitable for retrofit and for installation in original equipment

Description

The angular clamp driven by an electric motor is automatically moved to the clamping edge of the die by an electrically driven lead screw. The clamping element is guided in the T-slot of the press.

Force transmission from the clamping element to the clamping edge of the die is ensured by the rotation of the motor, by a flexspline gear and a wedge system.

Advance movement



The angular clamp is electro-mechanically moved to the clamping point.

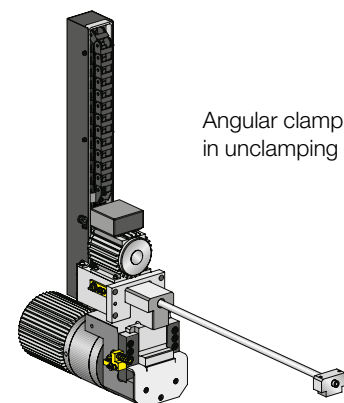
Clamping direction



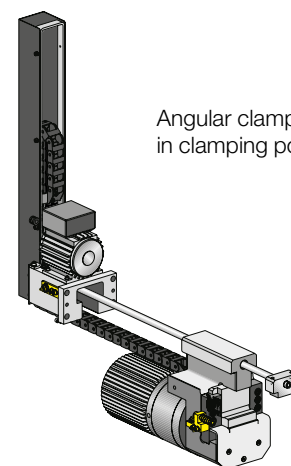
The clamping force is transmitted to the clamping point in the axial direction of the angular lever.

The clamping force and the clamping and unclamping positions are monitored by inductive proximity switches.

The clamping force is maintained by mechanical self-locking, even in the event of power failure.

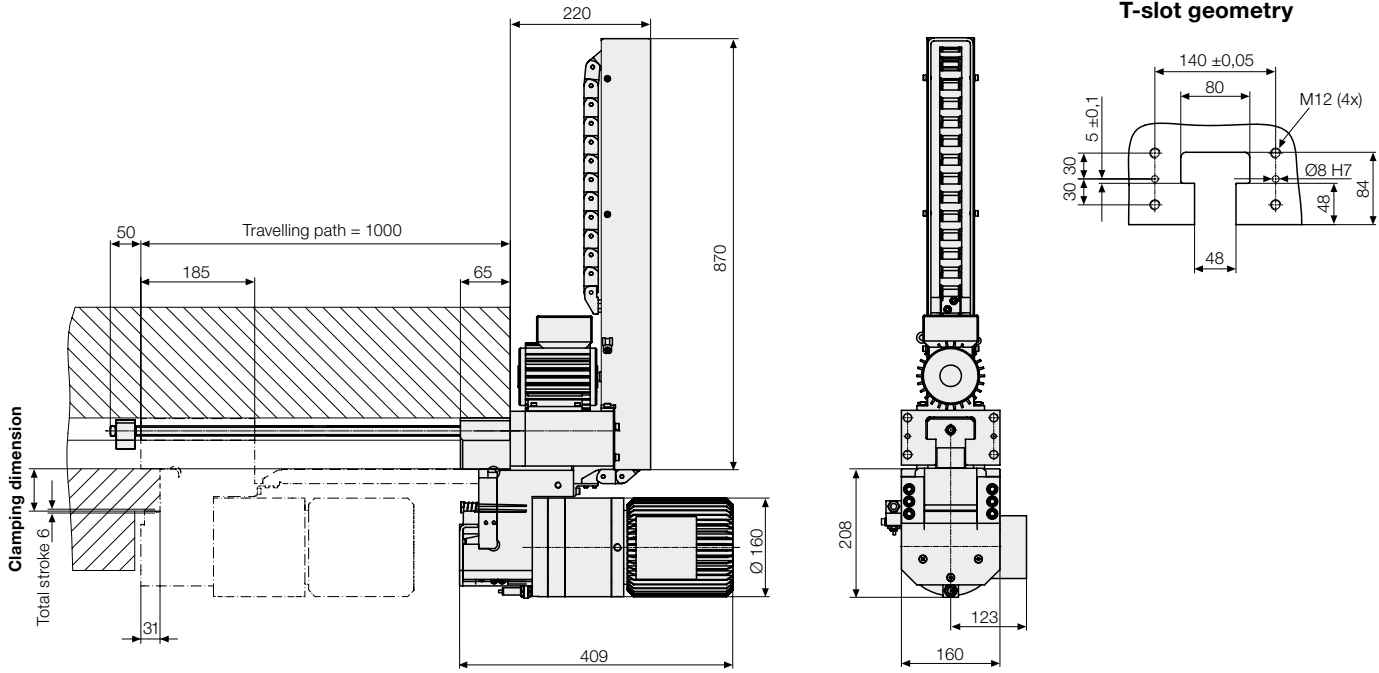


Angular clamp
in unclamping position



Angular clamp
in clamping position

Technical data Dimensions



Technical data

Clamping force	[kN]	120	160
Max. static force	[kN]	300	300
Travelling speed	[mm/s]	64.0	64.0
Clamping speed	[mm/s]	1.0	1.0
Motor voltage	[V/Hz]	400/50	400/50
Clamping stroke	[mm]	2	2
Part no.		826150101	826160101

Please specify the clamping dimension when ordering

Other T-slots, clamping dimensions, clamping forces and motor voltages are available on request.

Terminal connections

