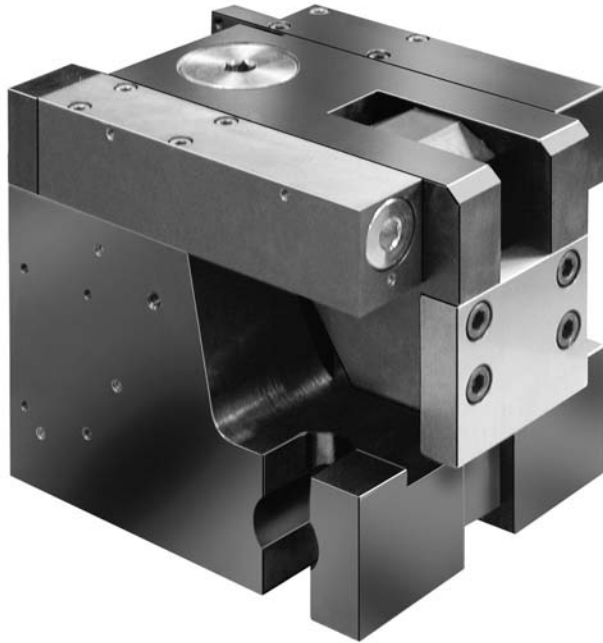


Extending Clamp

double-acting, with mechanical lock



Applications

- preferably for use on press beds
- for clamping and locking dies and moving bolsters in presses

Clamping

For clamping, the cylinder piston pushes the clamping lever into the clamping position. Released by the hydraulic sequence control, pressure is then applied to the clamping and locking mechanism.

Once the clamping force is built up, the clamping element is self-locking. This mechanical lock prevents unintentional unclamping of the die even if there is a loss of pressure.

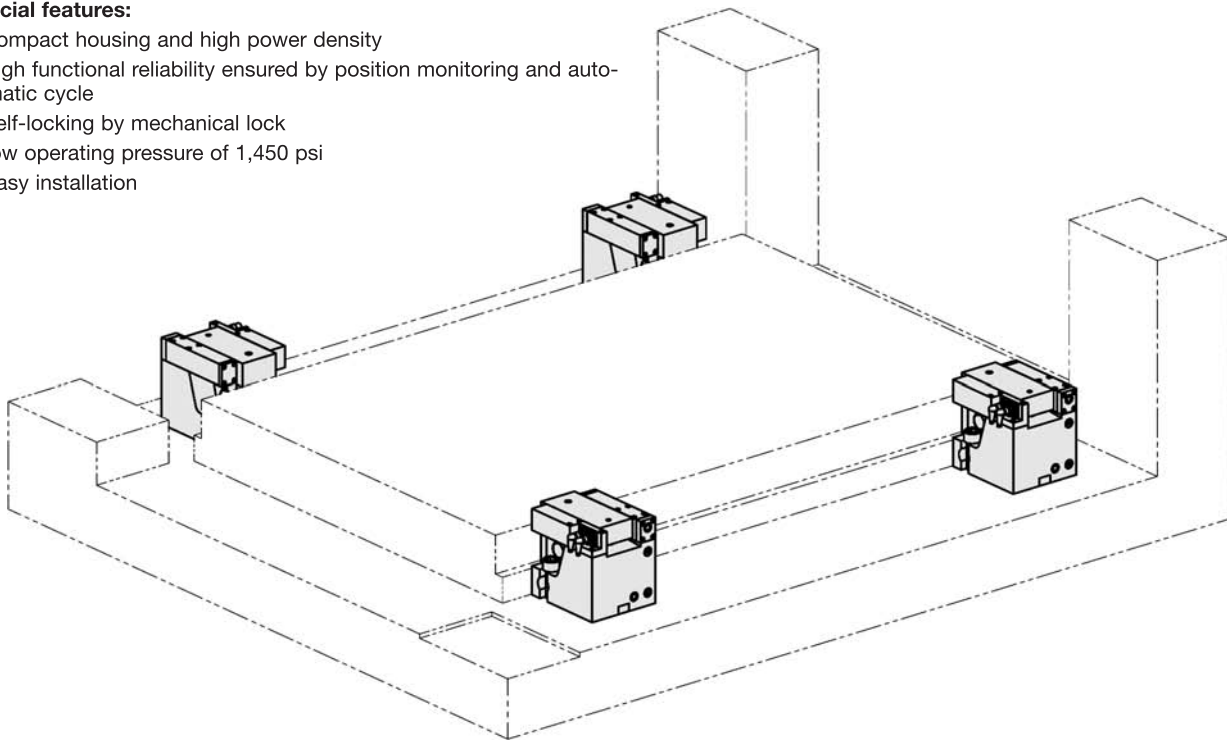
Unclamping

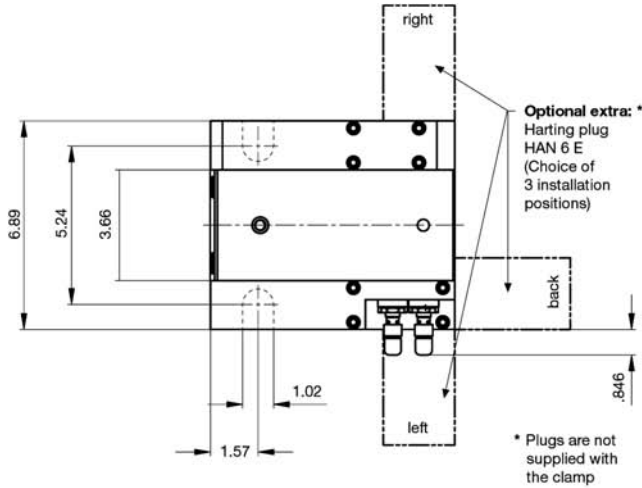
For unclamping, the clamping and locking mechanism is hydraulically unlocked.

Released by the hydraulic sequence control, pressure is applied to the cylinder piston which pushes the clamping lever into the unclamping position. Unclamping and clamping positions are monitored by inductive proximity switches.

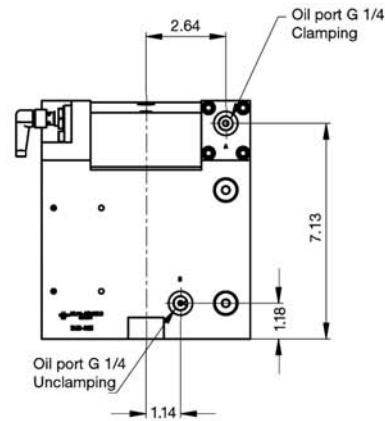
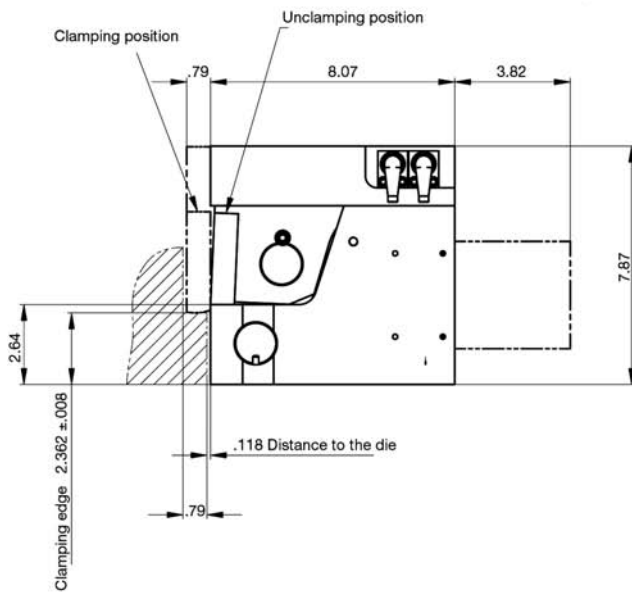
Special features:

- compact housing and high power density
- high functional reliability ensured by position monitoring and automatic cycle
- self-locking by mechanical lock
- low operating pressure of 1,450 psi
- easy installation





Clamping force at 1,450 psi	(lbs)	45,000
Perm. retaining power	(lbs)	56,250
Working pressure	(psi)	1,450
Oil consumption clamping	(in ³)	12.95
Oil consumption unclamp.	(in ³)	11.47
Pump delivery	(in ³ /min)	100-150
Operating temperature	(°F)	158
Screws DIN 912-8.8		M 24
Required torque	(ft lbs)	490
Weight	(lbs)	102
Part no.		HCR-8.2480.0105



Special designs are available at request.

- Design and position of plug-in connection for proximity switches
- Proximity switches for temperatures of up to 248°F
- Cover plate for protection in extremely dirty environments
- Clamping edge height larger than 2.36 in

Hydraulic diagram

