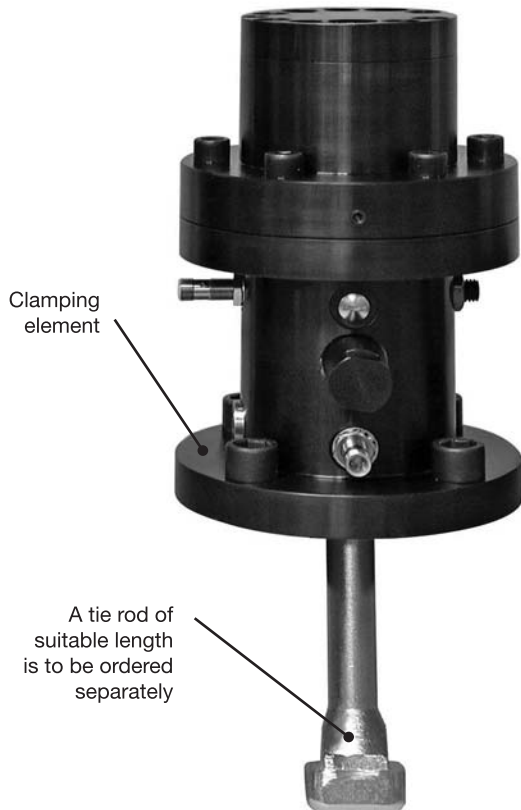


Pivot and Pull Clamp

double-acting
max. operating pressure 5,800 psi



Applications

- for the automatic clamping of dies on press rams

Function

The control mechanism converts the stroke of the double-acting piston into a pivot and pull movement of the tie rod. In order to release the die, the tie rod extends down, then swivels out of 15°.

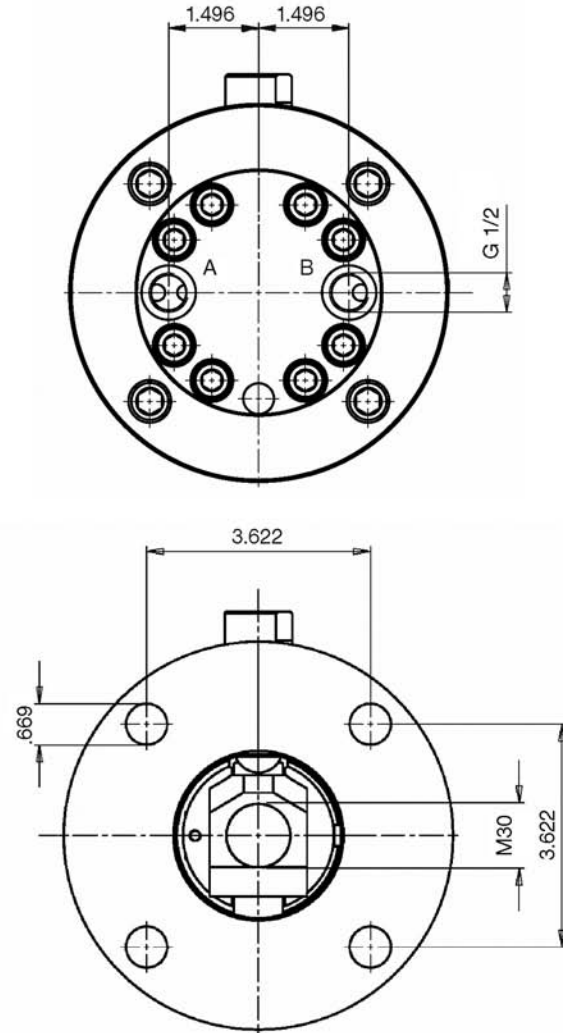
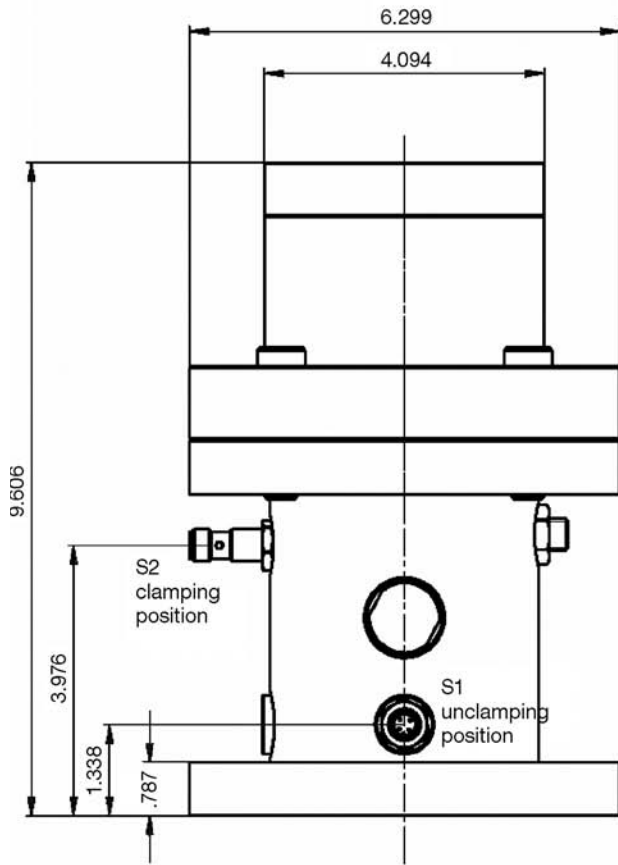
The clamping force is transmitted to the clamping point in the axial direction. The clamping and unclamping positions are monitored by inductive proximity switches.

Temperature range up to 185°F (85°C).

Higher temperatures on request.

Special features

- .39 in. (10 mm) clamping stroke, therefore high adaptability to different clamping edge heights
- high functional reliability ensured by position monitoring and an automatic cycle
- the tie rod can be pivoted, therefore no risk of collisions with edges when inserting the die
- optimum utilization of the ram surface
- easy and rapid installation
- very suitable for retrofitting



Resistant to temperatures of up to 185°F (85°C)
(higher temperatures on request)

Clamping force at 5,800 psi (400 bar)	(104 kN)	23,400 lbs
(other clamping forces on request)		
Clamping stroke	(10 mm)	.394 in
Piston stroke	(24 mm)	.945 in
Oil requirement for clamping	(52 cm ³)	3.2 in ³
Oil requirement for unclamping	(77 cm ³)	4.7 in ³
Max. flow rate	(16 cm ³ /sec)	1 in ³ /sec
Part no.	HCR-8.2185.1000	

Position monitoring

Nominal tripping cycle SN	(2 mm) .078 in
Ambient temperature TA	(-40.....+85°C) -40°F to 185°F
Operating voltage UB	10.....30 V(DC)
Constant current	200 mA
Switching function	N/O (PNP)

Accessories

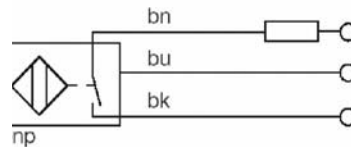
Plug with cable (connecting cable) for inductive proximity switches

HCR-5700-014 (10m) with straight plug

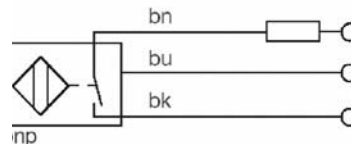
HCR-2.0975.0024 (5m) with 90° elbow plug

T-Bolt to be specified and ordered separately.

Initial settings



S1- unclamping position
(N/C contact)



S2- clamping position
(N/C contact)