Pivot and pull clamp
double-acting, max. 400 bar

Applications:

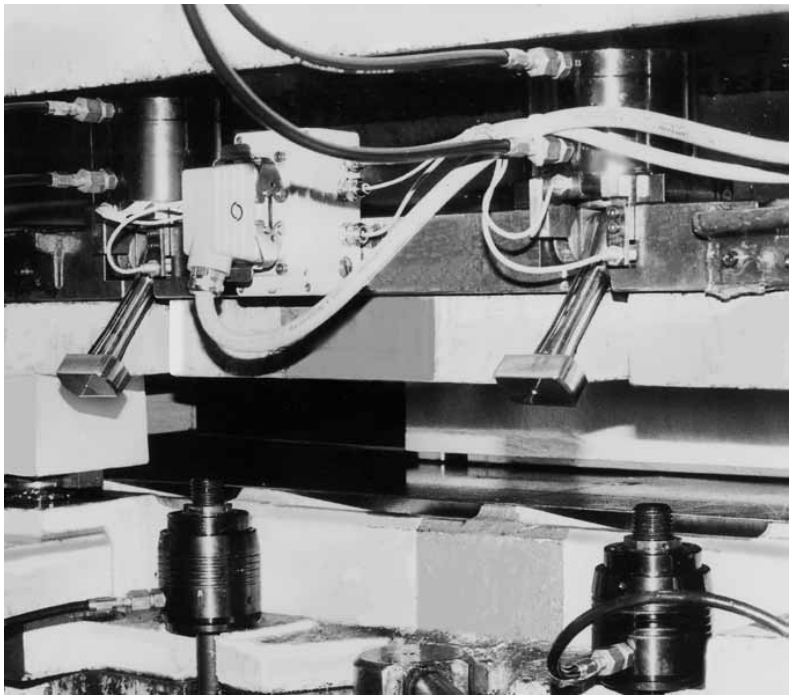
- for automatic clamping of dies on press rams

Function:

A control mechanism translates the stroke of the double-acting piston into a tilting and lifting movement of the tie rod. For releasing the die, the tie rod pivots by 15°.
The clamping force is transmitted to the clamping point in the axial direction of the tie rod. The clamping and un-clamping positions are monitored by inductive proximity switches.
Max. temperature: 85°C.
Higher temperatures upon request.

Special features:

- 10 mm clamping stroke, therefore high adaptability to varying heights of clamping edges
- high functional reliability ensured by position monitoring and an automatic cycle
- the tie rod can be pivoted, therefore no collision edges when inserting the die
- optimum utilisation of the ram surface
- easy and rapid installation
- very suitable for retrofitting



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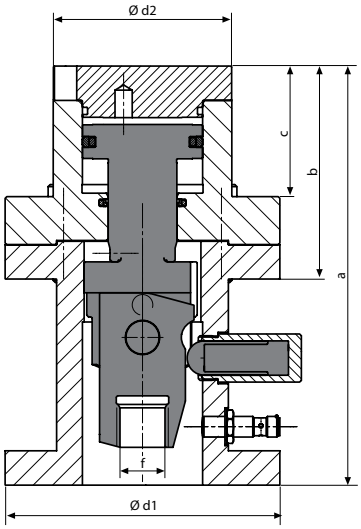
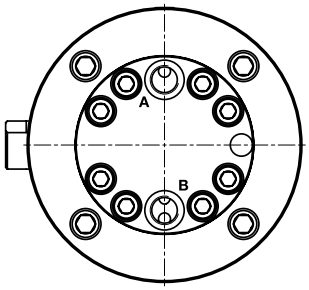
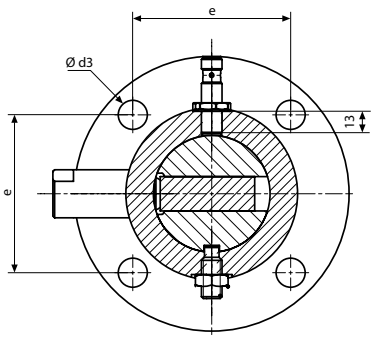






Suitable for temperatures of up to 85°C
(higher temperatures upon request)

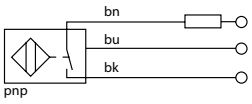
Max. flow rate: 16 cm^3

Clamping force at 400 bar (kN) (other clamping forces on request)	**104**	**160**
Clamping stroke max. (mm)	7	7
Clamping range (mm)	15 - 22	15 - 22
Total stroke (mm)	24	26
Swing stroke (mm)	10	10
Oil consumption clamping (cm^3)	52	108
Oil consumption unclamping (cm^3)	77	158
a (mm)	244	348
b (mm)	124	147
c (mm)	76	87
d1 Ø (mm)	160	192
d2 Ø (mm)	104	126
d3 Ø (mm)	17	21
e (mm)	92	114
f (mm)	M30	M36
Part no.	**8.2185.1000**	**8.2186.1000**

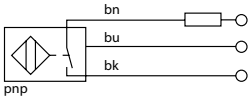
Position monitoring

Nominal tripping cycle S_N	2 mm
Ambient temperature T_A	-40° .... +85°C
Operating voltage U_B	10 - 30 V DC
Max. constant current	200 mA
Switching function	N/O contact (PNP)

Initial settings



S1 unclamping position (N/O contact)



S2 clamping position (N/O contact)

Recommended accessories:

10 m connecting cable for inductive proximity switches:
Part no. 5700014

5 m connecting cable angled at 90°:
Part no. 2.0975.0024

Subject to technical modification

2.2185
05/2011