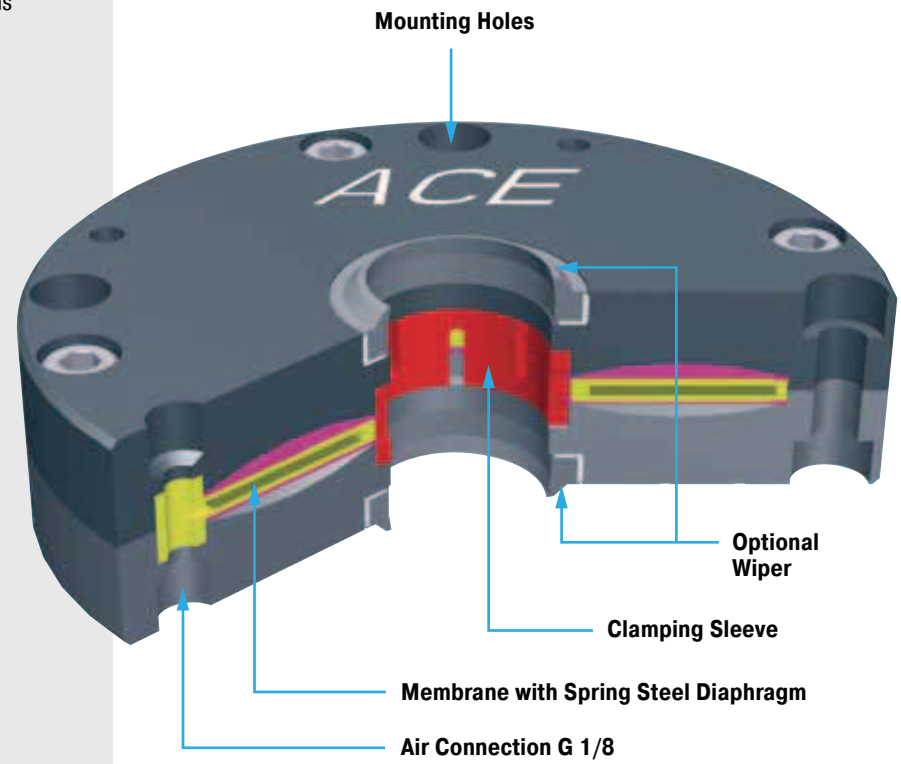
The **LOCKED series PRK** is a pneumatic rod clamping in a compact construction design. The small installation height enables utilization in the case of limited construction space. Installation heights of 28 to 34 mm offer clamping forces up to 5000 N. The clamping forces are applied in both tension and compression. The clamping is implemented by a membrane/spring steel sheet system, and is released through the application of compressed air, either 4 bar or alternatively 6 bar. Due to the operational method, the PRK series is optimally suited for use as a static clamping system, because failure of the pneumatics means instant clamping.

"Rod clamping in a compact design!"



Rod diameter: 20 mm to 40 mm (special diameters on request; hardened piston rod recommended).

Holding forces: Up to 5000 N

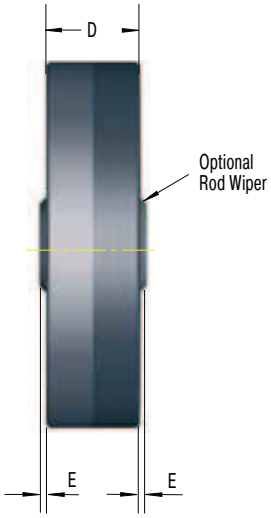
Clamping cycles: 1 000 000. For higher values please consult ACE.

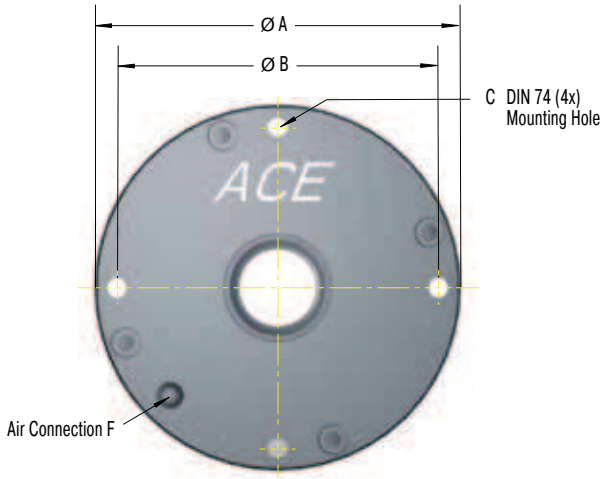
Material: Clamping body and milled parts: Tool steel. Spring steel plate: Spring steel. Clamping sleeve: Alum-bronze.

Operating pressure: 4 bar (automotive) or 6 bar

Pneumatic medium: Dried, filtered air

Operating temperature range: 10 °C to 45 °C





Ordering Example **PRK80-25-6B**

Rod Clamping Compact
Cylinder Nominal Diameter 80 mm
Rod Diameter 25 mm
6B = 6 bar Type
4B = 4 bar Type

Standard rod sizes are listed in the capacity charts below. Special diameters are also available on request.

The calculation and selection of the correct clamping device should be made or approved by ACE.

Installation drawings of the different types are available on request.

Dimensions and Capacity Chart

							[1] Holding Force N		[1] Holding Torque Nm		
							Type		Type		
Type	A	B	C	D	E	F	4 bar	6 bar	4 bar	6 bar	Weight **kg**
PRK63-20	92	80	M5	28	2.1	G1/8	700	1 000	7	10	1.15
PRK80-25	118	104	M6	29	2.14	G1/8	1 050	1 500	12	17	2.1
PRK125-40	168	152	M6	29	3	G1/8	3 500	5 000	70	100	4.9

[1] The listed holding forces are reached under optimum conditions. We recommend a safety factor of > 10%. Please note that surface, material and cleanliness of the rod as well as wear and tear and the use of rod wipers lead to different holding forces. Test the clamping needed for series production or safety applications in its specific application environment and measure the actual values.

Issue 1.2013 Specifications subject to change