

Clamping cartridge KP-16-1000

Part number: 178457

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Mounting position	Any
Type of clamping with direction of action	At both ends Clamping via spring force, released via compressed air
Design	Tilting wedge mechanism
Variants	Piston rod at one end
Operating pressure	0.3 MPa ... 1 MPa
Operating pressure	3 bar ... 10 bar
Operating pressure	43.5 psi ... 145 psi
Release pressure	≥0.3 MPa
Release pressure	≥3 bar
Round material to be clamped	16 mm
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-10 °C ... 80 °C
Static holding force	1000 N
Product weight	90 g
Material seals	NBR TPE-U(PU)
Material spring	Spring steel
Material housing	anodised
Material clamp jaws	Brass
Material piston	POM