TECAPRES® FLEX ROD PROTECTION



Flexible protective cover for the piston rod in harsh environments

TECAPRES® FLEX ROD PROTECTION

TECAPRES expands its range of protection devices with flexible rod protection covers. These covers are made of coated polyester fabric, and provide outstanding additional protection in contaminated working environments, including exposure to fluids, metal chips, dust, and other contaminants.

The flexible rod protection cover safeguards the cylinder against damage caused by dirt adhesion, oil ingress, rod surface damage, and similar external factors. As a result, it significantly extends the service life of the cylinder and improves overall reliability.

It is available for gas springs with an M6 or M8 thread at the top of the rod and body diameter from 45 mm to 150 mm (see table on page 3).

- ► Flexible protective cover for the piston rod in harsh environments
- ► Effective protection against damage caused by contaminants.
- ► Significantly extends the service life.

BENEFITS

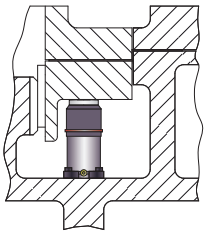
- ✓ Compatible with most TECAPRES gas springs.
- ✓ Quick and easy installation without the need for special tools.
- ✓ The cylinder can operate in any orientation
- ✓ The Flex Rod Protection can be used in conjunction with the shield-scraper
- ✓ Accessories can be supplied pre-installed on the cylinders or separately for installation by the customer.

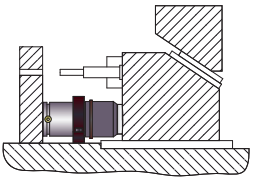


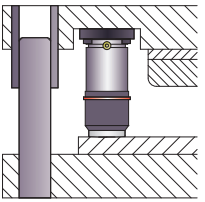


TECHNICAL INFORMATION	
Working temperature	0 ºC to 80 ºC
Resistance to water, oil and solvents	Good
Operating frequency	According to the cylinder specifications
Material type	Coated polyester fabric
Applicattions	Cold Stamping / Hot forming

Application examples







FLEX ROD PROTECTION PARTS



① Fixing screw

② Press plate + Protective cover

③ Cable tie

How to order (Cylinder + Flex Rod Protection)



MICRO 75 x **100** **FRP**

- MICRO 75: Gas spring Model
- 100: Stroke
- FRP: With Flex Rod Protection

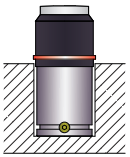
How to order (Flex Rod Protection only)

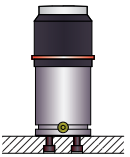


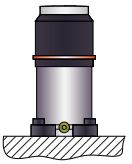
FRP 63-3

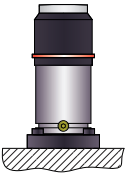
- FRP 63-3: FRP code

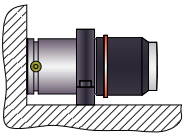
Assembly possibilities


DROP-IN

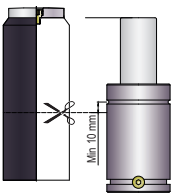

SCREWS


FP · FPR

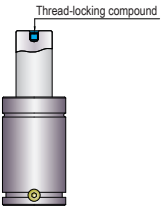

FB


FI · FI/1

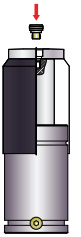
Installation guides



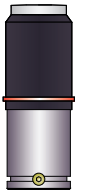
STEP 1
Cut the protective cover at least 10 mm below the groove



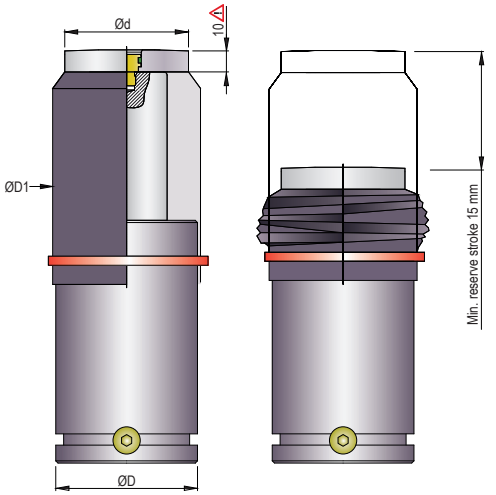
STEP 2
Apply thread-locking compound to secure the fixing screw



STEP 3
Tighten the fixing screw firmly



STEP 4
Securely fasten the cable tie to the body, ensuring that the protective cover is properly attached



CAUTION
The Flex Rod Protection increases the total cylinder lenght by 10 mm.

FRP Code	Gas spring model	Ø D mm	Ø D1 mm	Ø d mm
FRP 45-1	MICRO 45, TITAN 45	45	60	40
FRP 45-2	MICRO 45V, MICRO 45C.1, MICRO 45CF.1, TPS 500, TPSP 750	45	60	40
FRP 45-3	TPH 1250.1	45	60	40
FRP 50-2	MICRO 50, MICRO 50VS, MICRO 50CS, MICRO 50CF, TPS 750, TPSP 1000(x13-125), TPFS 1800, TPFS 2000, TPH 1700, TPH 2000	50	60	40
FRP 50-3	MICRO 50V, MICRO 50C, TITAN 50	50	60	40
FRP 63-3	MICRO 63V, MICRO 63CF, MICRO 63C, MICRO 63, TPH 2800, TPSP 1500, TPFS 3000	63	75	63
FRP 75-3	MICRO 75, MICRO 75CS, MICRO 75CF, TPH 4300, TPS 1500, TPSP 2400, TPFS 4700	75	87	63
FRP 95-3	MICRO 95, MICRO 95CF, TPS 3000, TPSP 4200	95	112	85
FRP 120-3	MICRO 120H, MICRO 120V, TPS 5000, TPSP 6600	120	132	85
FRP 150-4	MICRO 150, MICRO 150H, TPS 7500, TPSP 9500	150	165	120

CABLE TIE GUN TPTG-1



Optional tool for tightening and precisely trimming the Flex Rod Protection retaining cable tie.