

PMCN150 to PMCN600

Reliable protection against fluids

Self-Compensating, Rolling Diaphragm Technology, TPU Bellow

Energy capacity 20 Nm/Cycle to 136 Nm/Cycle

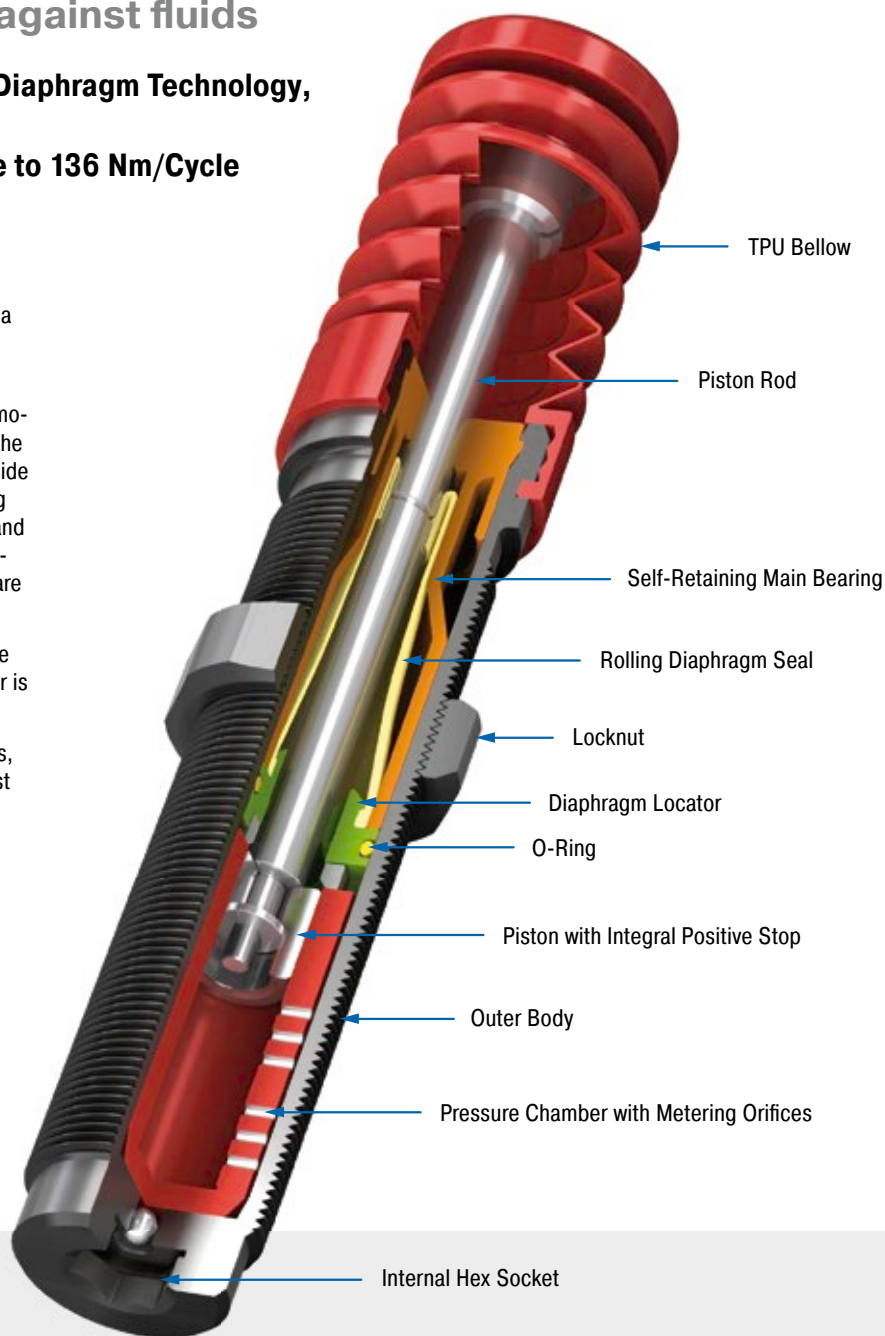
Stroke 12 mm to 25 mm

Hermetically sealed: The shock absorbers from the ACE Protection series PMCN have a compact, perfectly sealed cap as a special feature.

This protection bellows, made of TPU (thermo-plastic polyurethane), safely encapsulates the proven ACE rolling diaphragm from the outside environment. Aggressive cutting, lubricating and cleaning agents don't stand a chance and the function of the maintenance-free, ready-to-install shock absorber is retained. They are also available in full stainless steel.

The PMCN series is a good alternative to the SP type air bleed collar if no compressed air is available on the machine or system.

Reliable protection against aggressive fluids, these miniature shock absorbers are the first choice everywhere where conventional dampers wear out too quickly, eg. As in machining centers or other applications of mechanical engineering.



Technical Data

Energy capacity: 20 Nm/Cycle to 136 Nm/Cycle

Impact velocity range: 0.06 m/s to 6 m/s.
Other speeds on request.

Operating temperature range: 0 °C to 66 °C

Mounting: In any position

Positive stop: Integrated

Material: Outer body: Steel corrosion-resistant coating; Main bearing: Plastic; Piston rod: Hardened stainless steel (1.4125, AISI 440C); Bellow: TPU, steel insert: Stainless steel (1.4404/1.4571, AISI 316L/316Ti); Rolling diaphragm: EPDM

Damping medium: Oil, temperature stable

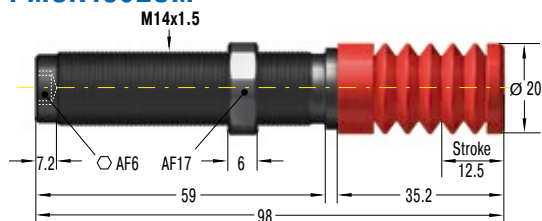
Application field: Finishing and processing centres, Clean room areas, Pharmaceutical industry, Medical technology, Food industry, Linear slides, Pneumatic cylinders, Machines and plants

Note: Final preliminary test must be done on the application.

Safety instructions: Do not paint the shock absorbers due to heat emission.

On request: Special accessories available on request.

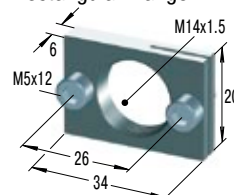
PMCN150EUM



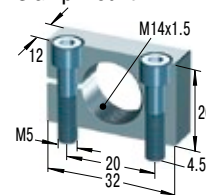
KM14 Locknut



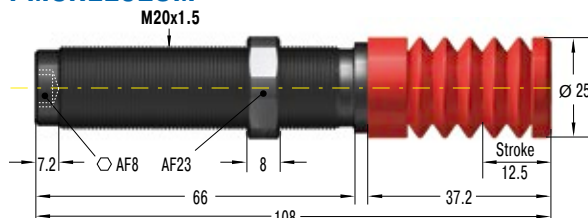
RF14 Rectangular Flange



MB14 Clamp Mount



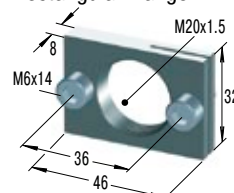
PMCN225EUM



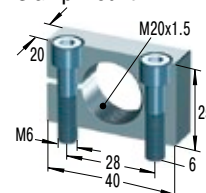
KM20 Locknut



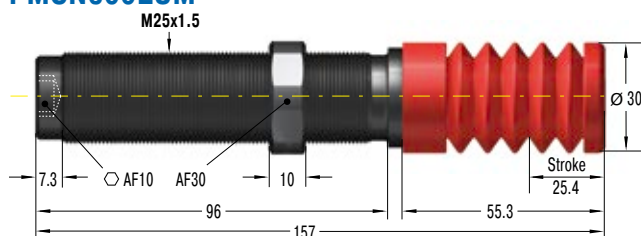
RF20 Rectangular Flange



MB20 Clamp Mount



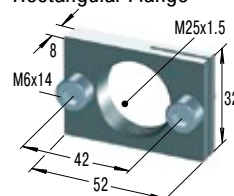
PMCN600EUM



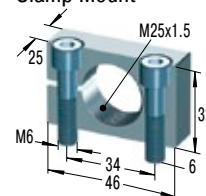
KM25 Locknut



RF25 Rectangular Flange



MB25 Clamp Mount



Additional accessories, mounting, installation ... see from page 36.

Performance

TYPES	Max. Energy Capacity		Effective Weight		Return Force min. N	Return Force max. N	Return Time s	Side Load Angle max. °	Weight kg
	W ₃ Nm/cycle	W ₄ Nm/h	me min. kg	me max. kg					
PMCN150EUM	20	34,000	0.9	10	8	80	0.4	4	0.07
PMCN150EUMH	20	34,000	8.6	86	8	80	0.4	4	0.07
PMCN150EUMH2	20	34,000	70.0	200	8	80	0.4	4	0.07
PMCN150EUMH3	20	34,000	181.0	408	8	80	1.0	4	0.07
PMCN225EUM	41	45,000	2.3	25	8	85	0.3	4	0.17
PMCN225EUMH	41	45,000	23	230	8	85	0.3	4	0.17
PMCN225EUMH2	41	45,000	180.0	910	8	85	0.3	4	0.17
PMCN225EUMH3	41	45,000	816.0	1,814	8	85	0.3	4	0.17
PMCN600EUM	136	68,000	9.0	136	8	90	0.6	2	0.32
PMCN600EUMH	136	68,000	113.0	1,130	8	90	0.6	2	0.32
PMCN600EUMH2	136	68,000	400	2,300	8	90	0.6	2	0.32
PMCN600EUMH3	136	68,000	2,177.0	4,536	8	90	0.6	2	0.32