

PMC150 to PMC600 Miniature Shock Absorbers

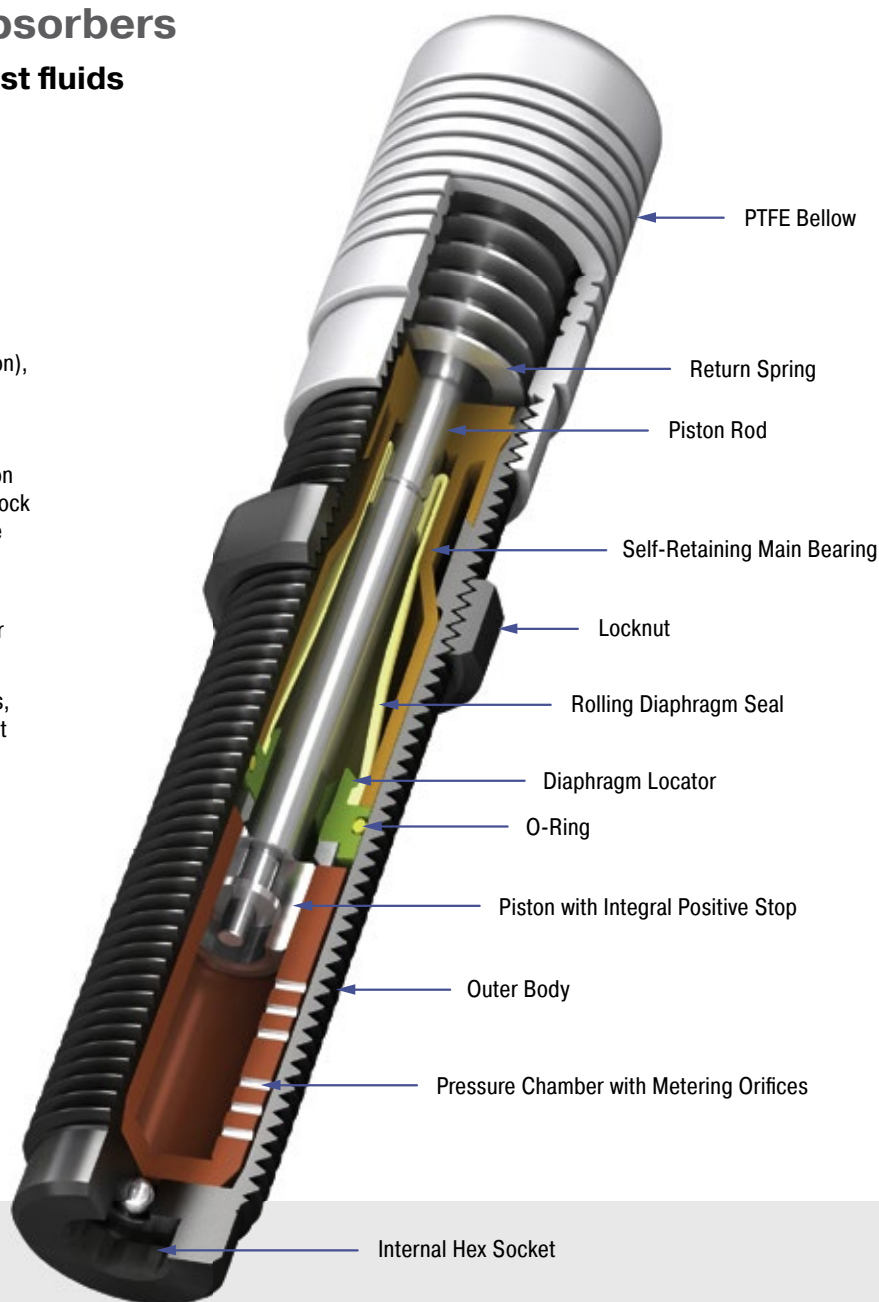
Reliable protection against fluids

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

This protection bellows, made of PTFE (Teflon), 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 PMC 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: PTFE, steel insert: Stainless steel (1.4404/1.4571, AISI 316L/316Ti); Rolling diaphragm: EPDM

Damping medium: Oil, temperature stable

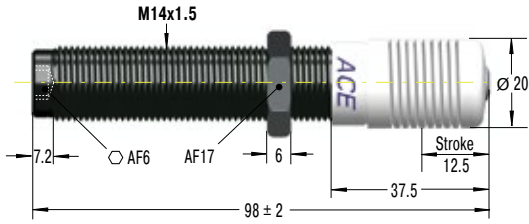
Application field: Finishing and processing centres, Clean room areas, Pharmaceutical industry, Medical technology

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

Safety instructions: The volume of the hermetically sealed PTFE bellows is displaced by volume compensation of the rolling diaphragm seal.

On request: Special accessories available on request.

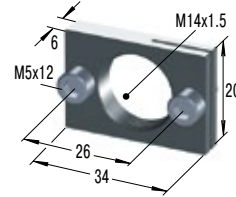
PMC150EUM



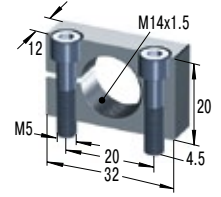
KM14 Locknut



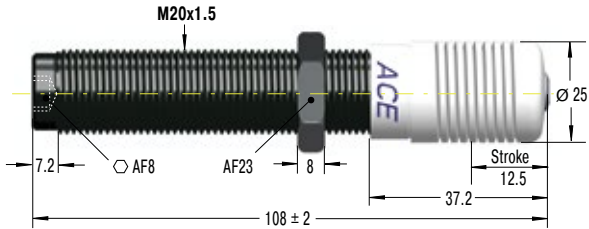
RF14 Rectangular Flange



MB14 Clamp Mount



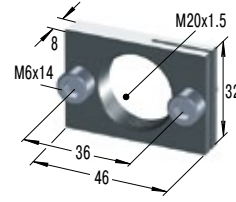
PMC225EUM



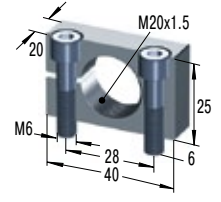
KM20 Locknut



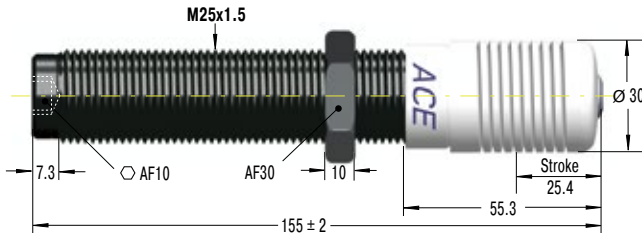
RF20 Rectangular Flange



MB20 Clamp Mount



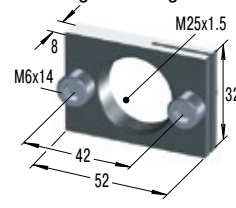
PMC600EUM



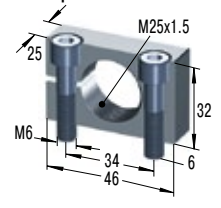
KM25 Locknut



RF25 Rectangular Flange



MB25 Clamp Mount



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

Performance

TYPES	Max. Energy Capacity		Effective Weight		Return force min.	Return force max.	Return time	Side Load Angle		Weight
	W ₃ Nm/cycle	W ₄ Nm/h	me min. kg	me max. kg				max. °	kg	
PMC150EUM	20	34,000	0.9	10	5	60	0.4	4	0.08	
PMC150EUMH	20	34,000	8.6	86	5	60	0.4	4	0.08	
PMC150EUMH2	20	34,000	70.0	200	5	60	0.4	4	0.08	
PMC150EUMH3	20	34,000	181.0	408	5	60	1.0	4	0.08	
PMC225EUM	41	45,000	2.3	25	5	65	0.3	4	0.17	
PMC225EUMH	41	45,000	23.0	230	5	65	0.3	4	0.17	
PMC225EUMH2	41	45,000	180.0	910	5	65	0.3	4	0.17	
PMC225EUMH3	41	45,000	816.0	1,814	5	65	0.3	4	0.17	
PMC600EUM	136	68,000	9.0	136	5	85	0.6	2	0.32	
PMC600EUMH	136	68,000	113.0	1,130	5	85	0.6	2	0.32	
PMC600EUMH2	136	68,000	400.0	2,300	5	85	0.6	2	0.32	
PMC600EUMH3	136	68,000	2,177.0	4,536	5	85	0.6	2	0.32	

PMC150-V4A to PMC600-V4A

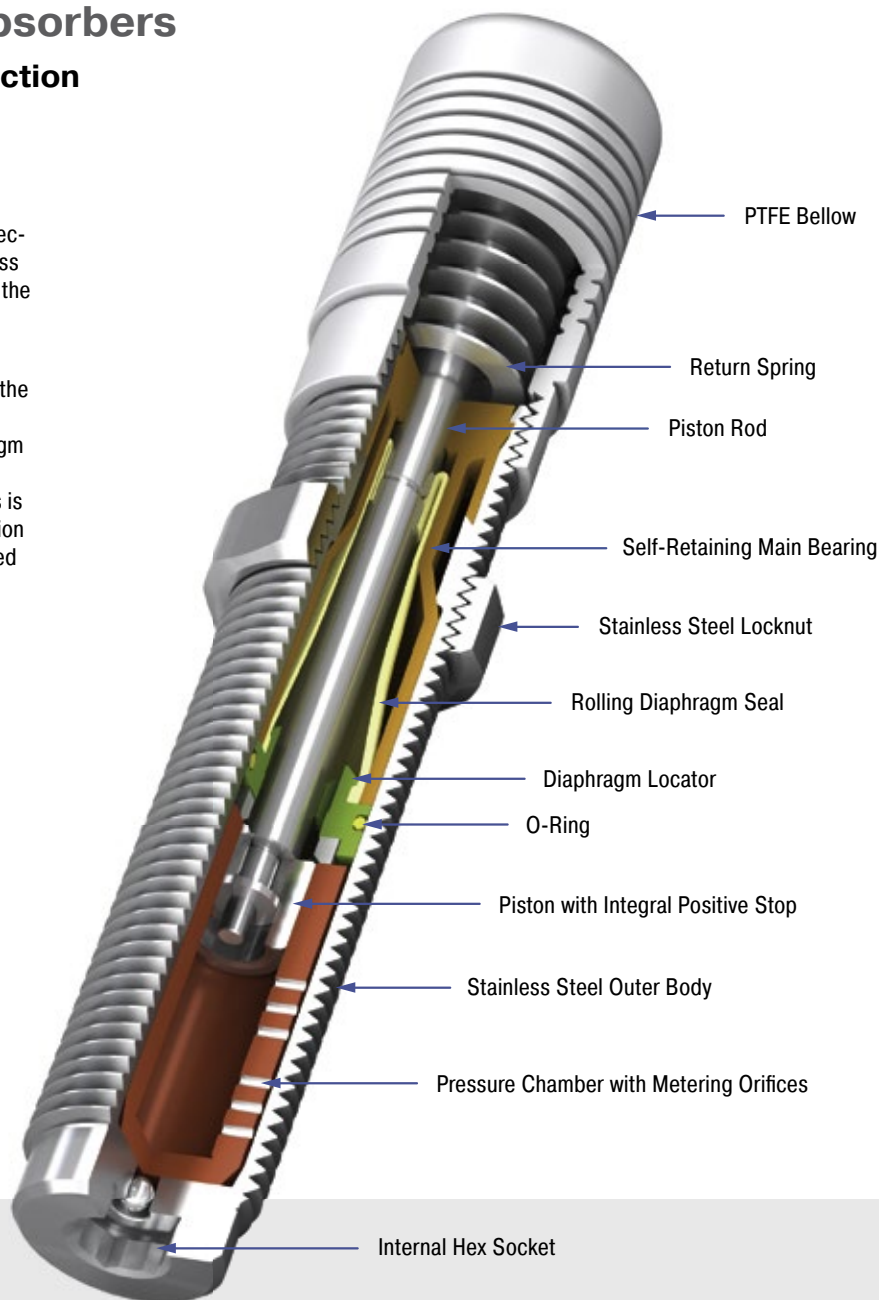
Miniature Shock Absorbers

Optimum corrosion protection

Hermetically sealed and rustproof: The Protection series PMC is also available in a stainless steel design. This is of particular interest to the food and packaging industries.

Their main special feature is the compact, totally sealed bellow between the body and the cap made of PTFE (Teflon). This protection safely encapsulates the ACE rolling diaphragm from the outside environment. Aggressive fluids don't stand a chance. The PMC series is an excellent alternative if the accessory option of the SP type air bleed collar cannot be used due to a lack of compressed air.

The PMC series miniature shock absorbers, produced from stainless steel, are primarily suitable for use in the food industry, but are also wherever an elegant look is important e.g. in shipbuilding.



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: Stainless steel (1.4404, AISI 316L); Main bearing: Plastic; Piston rod: Hardened stainless steel (1.4125, AISI 440C); Bellow: PTFE, steel insert: Stainless steel (1.4404/1.4571, AISI 316L/316Ti); Rolling diaphragm: EPDM

Damping medium: Oil, temperature stable

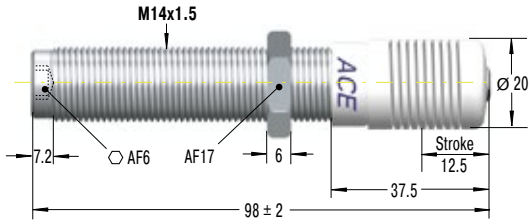
Application field: Finishing and processing centres, Clean room areas, Pharmaceutical industry, Medical technology

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On request: Special accessories available on request.

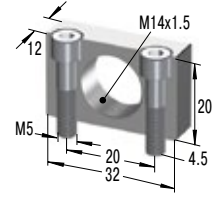
PMC150EUM-V4A



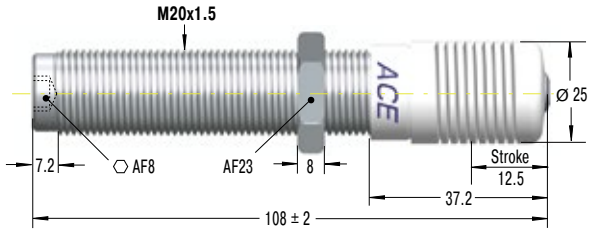
KM14-V4A Locknut



MB14SC2-V4A Mounting Block



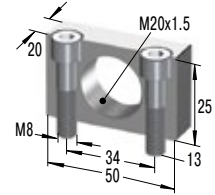
PMC225EUM-V4A



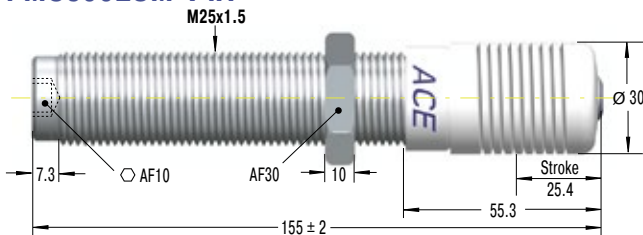
KM20-V4A Locknut



MB20SC2-V4A Mounting Block



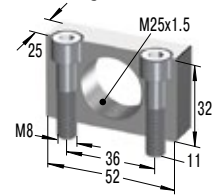
PMC600EUM-V4A



KM25-V4A Locknut



MB25SC2-V4A Mounting Block



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					
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PMC150EUMH-V4A	20	34,000	8.6	86	5	60	0.4	4	0.08
PMC150EUMH2-V4A	20	34,000	70.0	200	5	60	0.4	4	0.08
PMC150EUMH3-V4A	20	34,000	181.0	408	5	60	1.0	4	0.08
PMC225EUM-V4A	41	45,000	2.3	25	5	65	0.3	4	0.17
PMC225EUMH-V4A	41	45,000	23.0	230	5	65	0.3	4	0.17
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PMC600EUM-V4A	136	68,000	9.0	136	5	85	0.6	2	0.32
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