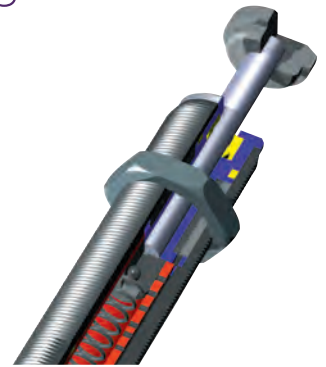


MC series Miniature Shock Absorbers - Self-Compensating

- Maintenance free, self-contained hydraulic components
- Provides the highest possible cycle lifetime; up to 25 million cycles
- Extremely low rod return force
- Can be directly mounted into the end cover of pneumatic cylinders (up to 7 bar)
- Integral positive stop incorporated on all models



Technical features

Impact velocity range:

0,08 ... 6 m/s
(ensure that effective weight of application is within range of unit selected.)

W4 capacity rating (max. energy per hour Nm/hr):

If your application exceeds tabulated W4 figures consider additional cooling i. e. cylinder exhaust air etc.

Mounting:

In any position. If precise end position datum is required consider use of the optional stop collar type AH

Ambient temperature:

0 ... +66°C (+32 ... +151°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:

Body:
Steel with black oxide finish
Piston rod:
Hardened stainless steel
Rolling diaphragm seal:
EPDM
Note: seal not compatible with petroleum based fluids

Technical data - standard models

Max. energy capacity Nm per cycle per hour		Effective weight me Self-compensating			Return force	Rod reset time	Max. side load angle	Model
W3	W4	me. min	kg	me. max	N	s	o	
								
20	34 000	0,9	–	10	3 - 5	0,4	4	MC150EUM
20	34 000	8,6	–	86	3 - 5	0,4	4	MC150EUMH
20	34 000	70	–	200	3 - 5	0,4	4	MC150EUMH2
41	45 000	2,3	–	25	4 - 6	0,3	4	MC225EUM
41	45 000	23	–	230	4 - 6	0,3	4	MC225EUMH
41	45 000	180	–	910	4 - 6	0,3	4	MC225EUMH2
136	68 000	9	–	136	5 - 9	0,6	2	MC600EUM
136	68 000	113	–	1130	5 - 9	0,6	2	MC600EUMH
136	68 000	400	–	2 300	5 - 9	0,6	2	MC600EUMH2

Accessories

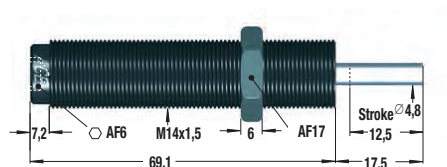
Nylon button	Rectangular flange	Clamp mount	Stop collar
			
PP 150	RF 14	MB 14	AH14
PP 150	RF 14	MB 14	AH14
PP 150	RF 14	MB 14	AH14
PP 225	RF 20	MB 20	AH20
PP 225	RF 20	MB 20	AH20
PP 225	RF 20	MB 20	AH20
PP 600	RF 25	MB 25	AH25
PP 600	RF 25	MB 25	AH25
PP 600	RF 25	MB 25	AH25

Dimensions

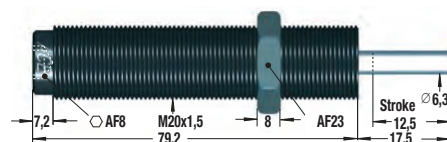
Dimensions in mm
Projection/First angle



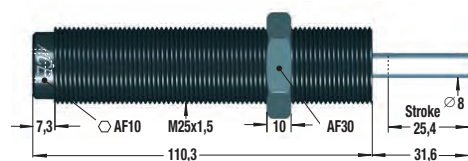
MC150EUM



MC225EUM



MC600EUM



Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/data«**.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.