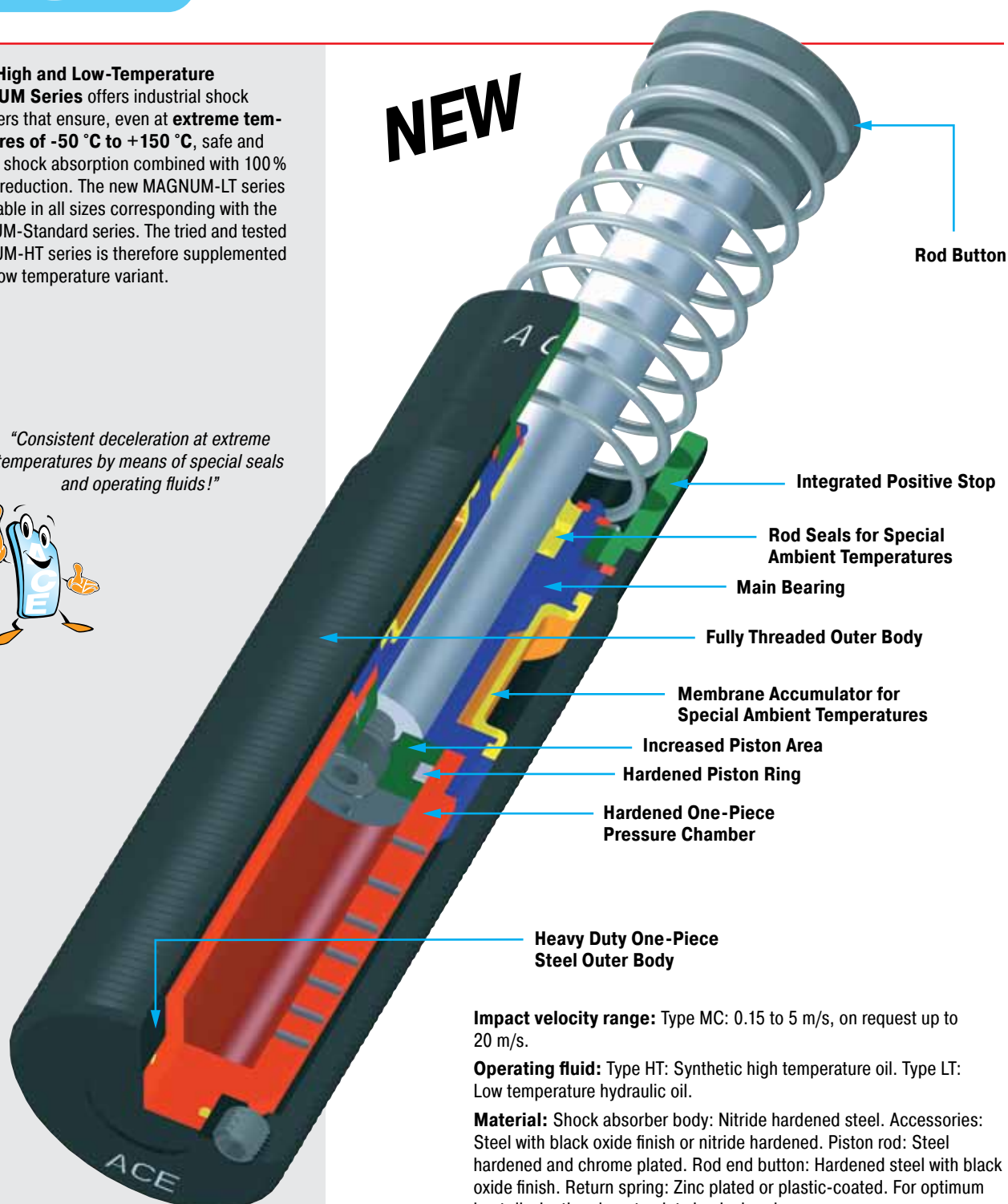


ACE's **High and Low-Temperature MAGNUM Series** offers industrial shock absorbers that ensure, even at **extreme temperatures of -50 °C to +150 °C**, safe and reliable shock absorption combined with 100 % energy reduction. The new MAGNUM-LT series is available in all sizes corresponding with the MAGNUM-Standard series. The tried and tested MAGNUM-HT series is therefore supplemented with a low temperature variant.

"Consistent deceleration at extreme temperatures by means of special seals and operating fluids!"



NEW



Impact velocity range: Type MC: 0.15 to 5 m/s, on request up to 20 m/s.

Operating fluid: Type HT: Synthetic high temperature oil. Type LT: Low temperature hydraulic oil.

Material: Shock absorber body: Nitride hardened steel. Accessories: Steel with black oxide finish or nitride hardened. Piston rod: Steel hardened and chrome plated. Rod end button: Hardened steel with black oxide finish. Return spring: Zinc plated or plastic-coated. For optimum heat dissipation do not paint shock absorber.

Capacity rating: For emergency use only applications it is sometimes possible to exceed the published max. capacity ratings. Please consult ACE for further details. If your application exceeds the tabulated W_4 figures (max. energy per hour Nm/hr) consider additional cooling. Ask ACE for further details.

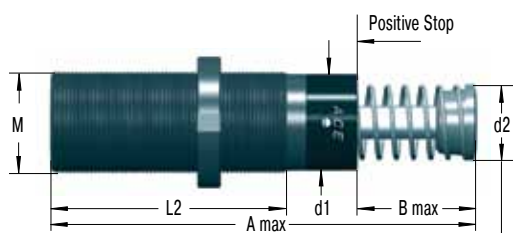
Mounting: In any position

Operating temperature range:
Type LT: -50 °C to 66 °C, type HT: 0 °C to 150 °C.

On request: Plated finishes, weartec finish (seawater resistant). Mounting inside air cylinders and other special options are available on request.

Noise reduction: 3 to 7 dB when using the impact buttons with urethane insert.





Note: 150 mm stroke model does not include stop collar and positive stop is provided by the rod button (Ø 60 mm)

Ordering Example

Self-Compensating _____
 Thread Size M33 _____
 Stroke 50 mm _____
 EU Compliant _____
 Metric Thread (omitted when using thread UNF) _____
 Effective Weight Range Code _____
 HT = Version for High Temperature Use _____
 LT = Version for Low Temperature Use _____

MC3350EUM-2-HT

Complete Details Required when Ordering

Load to be decelerated m (kg)
 Impact velocity v (m/s)
 Propelling force F (N)
 Operating cycles per hour c (/hr)
 Number of absorbers in parallel n
 Ambient temperature °C

The calculation and selection of the most suitable shock absorber (effective weight range) should be carried out or be approved by ACE.

Dimensions and Capacity Chart MC33-HT to MC64-HT

Type	1 Stroke mm	A max	B	d1	d2	L2	M	Max. Energy Capacity			Max. Side Load Angle °	Weight kg
								per Cycle W ₃ Nm/Cycle	per Hour W ₄ at 20 °C Nm/h	W ₄ at 100 °C Nm/h		
MC3325EUM-HT	25	138	23	30	25	83	M33x1.5	155	215 000	82 000	4	0.45
MC3350EUM-HT	50	189	48.5	30	25	108	M33x1.5	310	244 000	93 000	3	0.54
MC4525EUM-HT	25	145	23	42	35	95	M45x1.5	340	307 000	117 000	4	1.13
MC4550EUM-HT	50	195	48.5	42	35	120	M45x1.5	680	321 000	122 000	3	1.36
MC6450EUM-HT	50	225	48.5	60	48	140	M64x2	1 700	419 000	159 000	4	2.9
MC64100EUM-HT	100	326	99.5	60	48	191	M64x2	3 400	550 000	200 000	3	3.7

Adjustable models are also available on request.

¹ Nominal stroke length (without stop collar fitted).

Dimensions and Capacity Chart MC33-LT to MC64-LT

Type	1 Stroke mm	A max	B	d1	d2	L2	M	Max. Energy Capacity			Max. Side Load Angle °	Weight kg
								per Cycle W ₃ Nm/Cycle	per Hour W ₄ Nm/h	² Rod Reset Time s		
MC3325EUM-LT	25	138	23	30	25	83	M33x1.5	155	75 000	0.08	4	0.5
MC3350EUM-LT	50	189	48.5	30	25	108	M33x1.5	310	85 000	0.16	3	0.54
MC4525EUM-LT	25	145	23	42	35	95	M45x1.5	340	107 000	0.08	4	1.13
MC4550EUM-LT	50	195	48.5	42	35	120	M45x1.5	680	112 000	0.16	3	1.36
MC4575EUM-LT	75	246	74	42	35	145	M45x1.5	1 020	146 000	0.24	2	1.59
MC6450EUM-LT	50	225	48.5	60	48	140	M64x2	1 700	146 000	0.24	4	2.9
MC64100EUM-LT	100	326	99.5	60	48	191	M64x2	3 400	192 000	0.68	3	3.7
MC64150EUM-LT	150	450	150	60	48	241	M64x2	5 100	248 000	0.96	2	5.1

Adjustable models are also available on request.

¹ Nominal stroke length (without stop collar fitted).

² at -50 °C