Industrial shock absorber, Series SA2-RT

R412010702

AVENTICS Series SA2 Industrial shock absorbers

The AVENTICS Series SA2 industrial shock absorbers were created for AVENTICS actuators. They Series SA2 decelerate reliably moving masses and thereby increase process speed, production quality, the service life of production facilities and reduce operating noise.

Technical data

Industry	Industrial
Type	SA2-RT
Mounting thread	M20x1,5
Stroke	13 mm
Max. energy absorption/stroke	65 Nm
Max. energy absorption/hour	52000 Nm
Cushioning	self-compensating
Medium	Oil
Min. ambient temperature	-10 °C
Max. ambient temperature	60 °C
Effective mass m_e min.	20 kg
Effective mass m_e max.	160 kg
Min. return spring force	12 N
Max. return spring force	23 N
Min. impact speed	0.9 m/s
Max. impact speed	2.6 m/s
Mounting	Lock nut
Weight	0.15 kg

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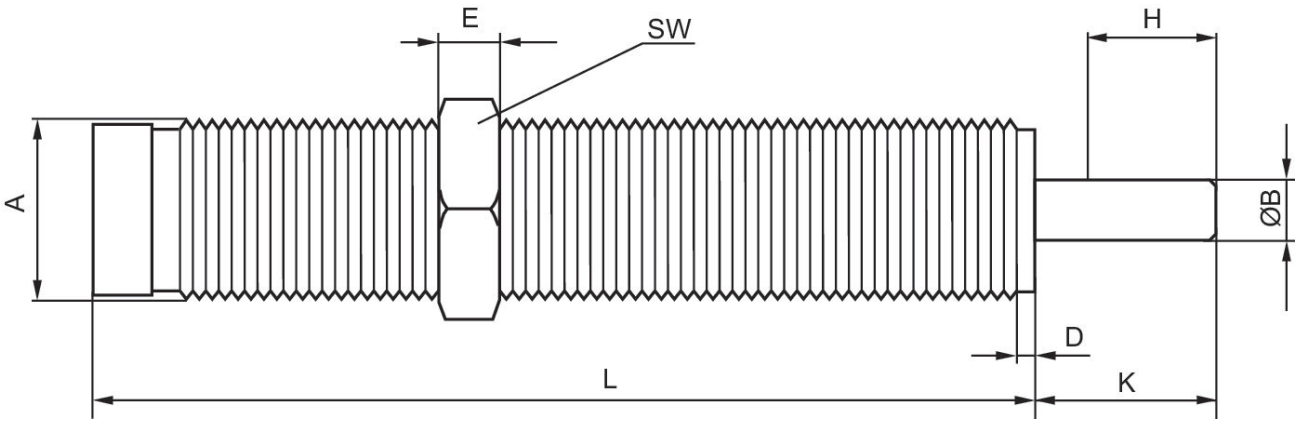
Material

Material cylinder tube	Steel, chrome-plated
Surface cylinder tube	bronzed
Material piston rod	Stainless Steel
Surface piston rod	hardened
Material lock nut	Steel, chrome-plated
Surface lock nut	bronzed
Part No.	R412010702

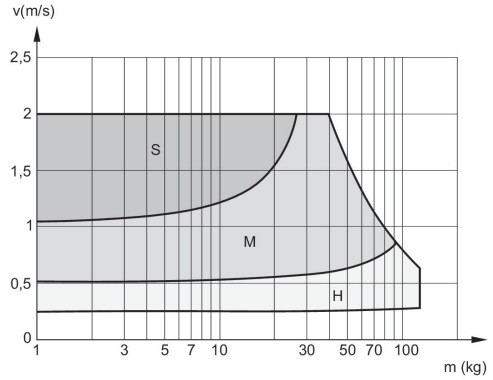
Dimensions



H = stroke
A = mounting thread

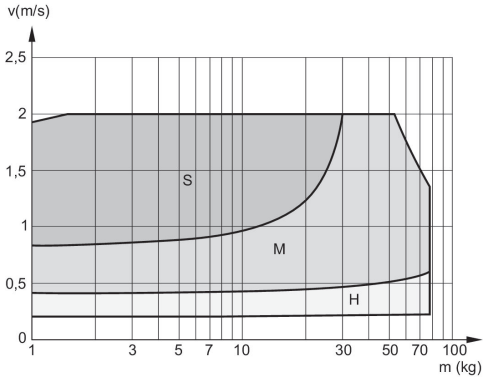
Part No.	Type	Mount-ing thread	ØB	D	E	H	K	L	SW
R412010695	SA2-RT	M12x1	4	2.5	4	10	15	52	14
R412010696	SA2-RT	M12x1	4	2.5	4	10	15	52	14
R412010697	SA2-RT	M12x1	4	2.5	4	10	15	52	14
R412010698	SA2-RT	M14x1,5	4	2.5	5	14	18.5	69	17
R412010699	SA2-RT	M14x1,5	4	2.5	5	14	18.5	69	17
R412010700	SA2-RT	M14x1,5	4	2.5	5	14	18.5	69	17
R412010701	SA2-RT	M20x1,5	6	2.5	6	13	18	75	24
R412010702	SA2-RT	M20x1,5	6	2.5	6	13	18	75	24
R412010703	SA2-RT	M20x1,5	6	2.5	6	13	18	75	24

Cushioning diagram
Ø 63 mm



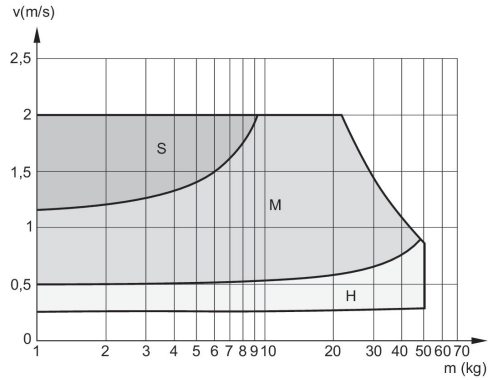
V = velocity [m/s]
M = moving mass
S = soft
M = medium
H = hard

Cushioning diagram
Ø 50 mm



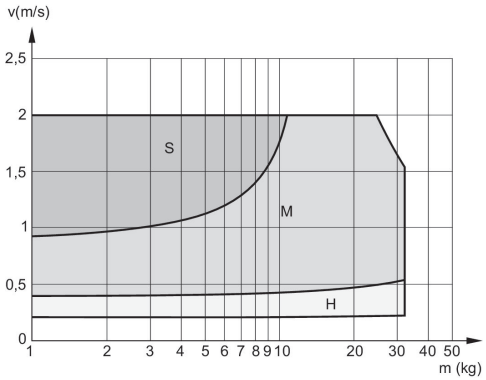
V = velocity [m/s]
M = moving mass
S = soft
M = medium
H = hard

Cushioning diagram
Ø 40 mm



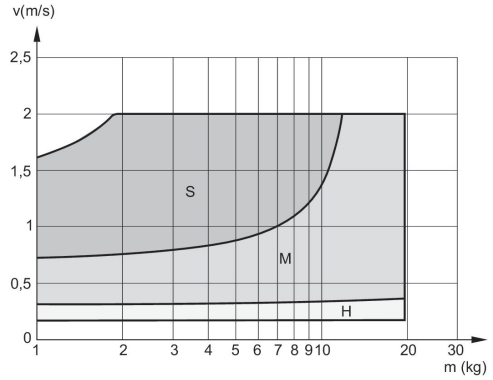
V = velocity [m/s]
M = moving mass
S = soft
M = medium
H = hard

Cushioning diagram
Ø 32 mm



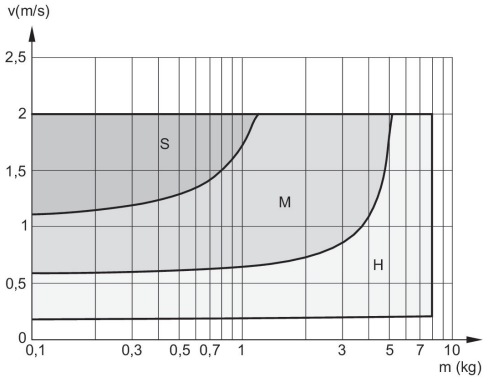
V = velocity [m/s]
M = moving mass
S = soft
M = medium
H = hard

Cushioning diagram
Ø 25 mm



V = velocity [m/s]
M = moving mass
S = soft
M = medium
H = hard

Cushioning diagram
Ø 16 mm



V = velocity [m/s]
M = moving mass
S = soft
M = medium
H = hard