

AVENTICS Series SA1 Industrial shock absorbers

The AVENTICS Series SA1 industrial shock absorbers 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	SA1-MA
Mounting thread	M25x1,5
Stroke	25 mm
Max. energy absorption/stroke	220 Nm
Max. energy absorption/hour	105600 Nm
Cushioning	adjustable
Medium	Oil
Min. ambient temperature	-20 °C
Max. ambient temperature	80 °C
Effective mass m_e min.	22 kg
Effective mass m_e max.	11000 kg
Min. return spring force	15 N
Max. return spring force	31 N
Min. impact speed	0.1 m/s
Max. impact speed	6 m/s
Mounting	Lock nut
Weight	0.29 kg

Industrial shock absorber, Series SA1-MA

R412010325

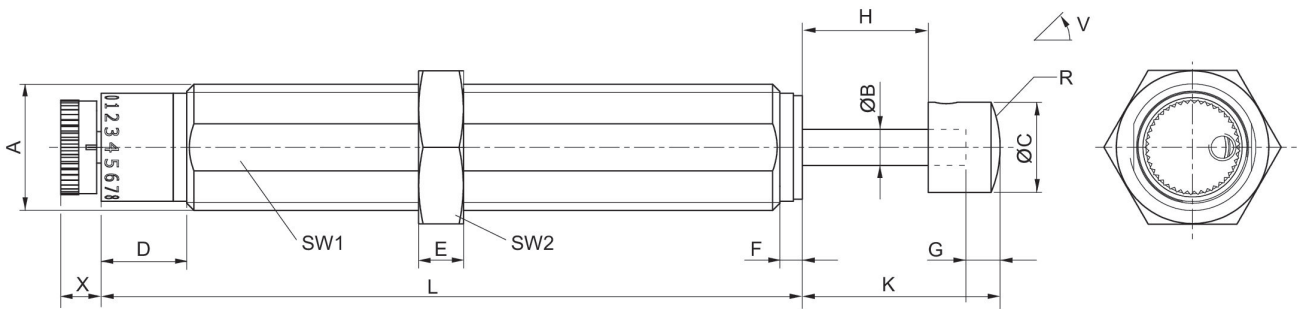
Series SA1

2024-01-10

Material

Material cylinder tube	Steel, chrome-plated
Surface cylinder tube	salt bath nitrocarburized
Material piston rod	Stainless Steel
Surface piston rod	ground and hardened
Material stop	Steel, chrome-plated
Surface stop	hardened and bronzed
Material lock nut	Steel, chrome-plated
Surface lock nut	salt bath nitrocarburized
Scraper material	Polyurethane
Part No.	R412010325

Dimensions



A = mounting thread
V = tilt

Part No.	Type	Mounting thread	ØB	ØC	D	E	F	G	H
R412010323	SA1-MA	M14x1,5	4	10	9.5	5	2.5	4	14
R412010324	SA1-MA	M20x1,5	6	16	10	6	2.5	4	19
R412010325	SA1-MA	M25x1,5	8	20	9	8	3.5	5	25
R412028891	SA1-MA	M27x2	8	20		8	3.5		25
R412010326	SA1-MA	M25x1,5	8	20	9	8	3.5	5	40
R412028892	SA1-MA	M27x2	8	20		8	3.5		40

Part No.	K	L	R	SW1	SW2	W [°]	X
R412010323	22	78	13	13	17	5	4.5
R412010324	29	88	32.5	18	24	2	5.7
R412010325	38	108	30.3	23	30	2	8.3
R412028891	38	108		24	30		8
R412010326	53	130	30.3	23	30	1	8
R412028892	53	130		24	30		8