Rubber Design
vibration and noise control

DOCUMENTATION SHEET

Rubber Bellows
Type 1S Red

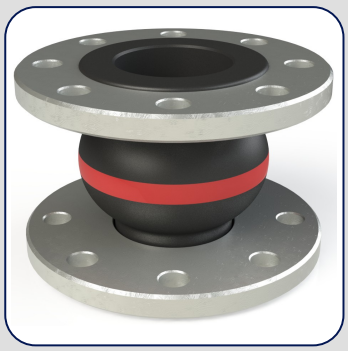
1S RED

General

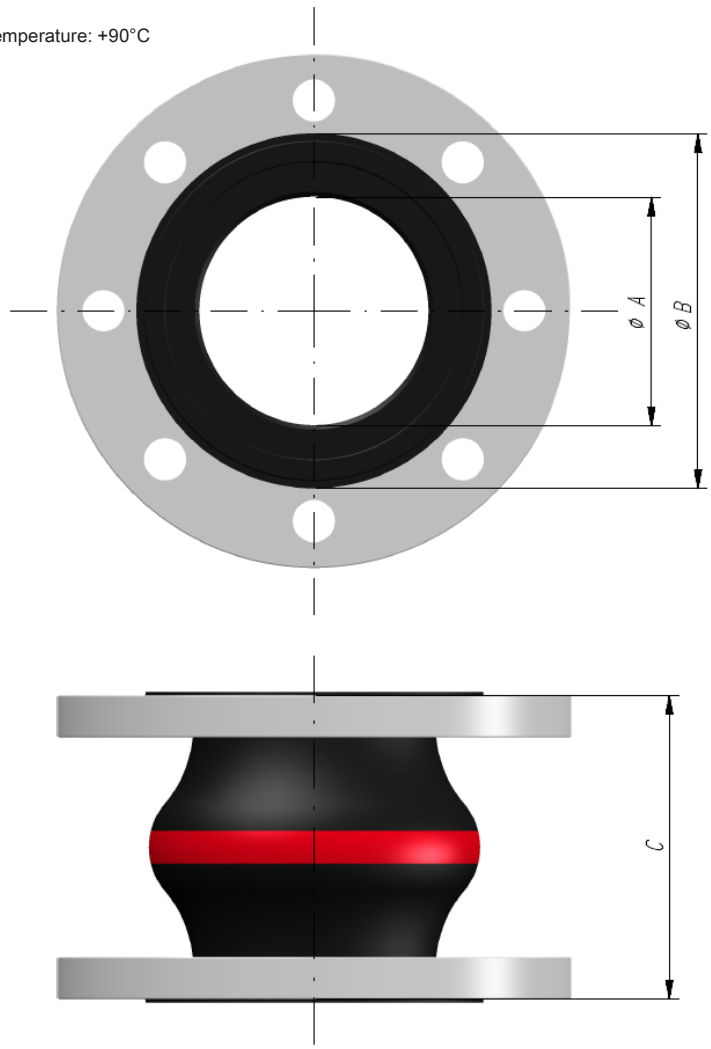
Our rubber bellows red ring are made from EPDM rubber and provide resistance to water upto 90°C, however this is influenced by the working pressure.

Rubber bellows with flanges have a special flow-assisting convoluted shape of the bellows which minimize detrimental turbulence of the medium and pressure loss.
High tensile strength texture cord plies combined with proven synthetic rubber mixes guarantee maximum reliability and an extended working life.
The rubber bellows are produced with a vulcanized steel ring to guarantee a perfect sealing of the profiled sealing rings in the special chamber of the swivel flanges.
Average installed insulation is about 25 dB, a figure which is further improved by compressed installation.

The standard flange range is made of carbon steel S235JR, drilled according to DIN PN10/16 and electrolytic galvanized.



Maximum temperature: +90°C



DIMENSIONS

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1S RED

Rubber bellows with flanges have a special flow-assisting convoluted shape of the bellows which minimize detrimental turbulence of the medium and pressure loss. High tensile strength aramide cord plies combined with proven synthetic rubber mixes guarantee maximum reliability and an extended working life.

The rubber bellows are produced with a vulcanized steel ring to guarantee a perfect sealing of the profiled sealing rings in the special chamber of the swivel flanges. Average installed insulation is about 25 dB, a figure which is further improved by compressed installation.
The standard flange range is made of carbon steel S235JR, drilled according to DIN PN10/16 and electrolytic galvanized.

1S RED RING	Bellows dimensions			Allowable Displacement			Effective bellows area	Weight	Min. Pressure (abs)	Max. Pressure (abs)	Installation length	
	ØA	ØB	C	Ax.	Lat.	Ang.					min.	max.
	mm	mm	mm	mm	mm	°	cm²	kg	kPa	MPa	mm	mm
KR032R110S000	32	64	160	-30/+30	±30	10	15	3,6	20	1,6	150	170
KR040R110S000	40	72	160	-30/+30	±30	10	20	4,2	20	1,6	150	170
KR050R110S000	50	84	160	-30/+30	±30	10	30	4,8	20	1,6	150	170
KR065R110S000	65	104	160	-30/+30	±30	10	50	5,5	30	1,6	150	170
KR080R110S000	80	114	160	-30/+30	±30	10	85	7,1	40	1,6	150	170
KR100R110S000	100	136	160	-30/+30	±30	10	125	8,2	60	1,6	150	170
KR125R110S000	125	154	160	-30/+30	±30	10	185	10,2	70	1,6	150	170
KR150R110S000	150	190	160	-30/+30	±30	10	250	12,5	70	1,6	150	170
KR200R110S000	200	250	160	-30/+30	±30	10	400	16,7	70	1,6	150	170

TABLE

Standard flange S235JR, drilled according to DIN PN10/16, electrolytic galvanized.

Pressure

The maximum working pressure is 16 Bar (10 Bar*) with a test pressure of 25 Bar and even a burst pressure of over 60 Bar (30 Bar*)
(* for bellows larger than NB 150)

TYPE APPROVALS

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