

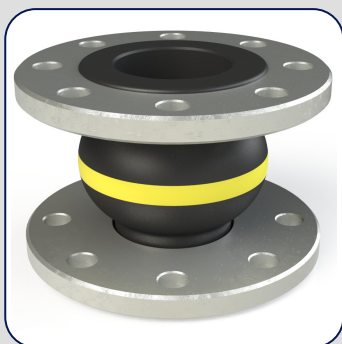


DOCUMENTATION SHEET

Rubber Bellows

Type 1C Yellow

1C YELLOW



General

Our rubber bellows are made from various elastomers and provide the flexible element in pipe work that is indispensable in today's technically advanced plant and machinery spaces.

By using the best quality proven rubber compounds and a construction based on many years of experience, our rubber bellows are produced to a high quality standard to guarantee maximum safety and performance.

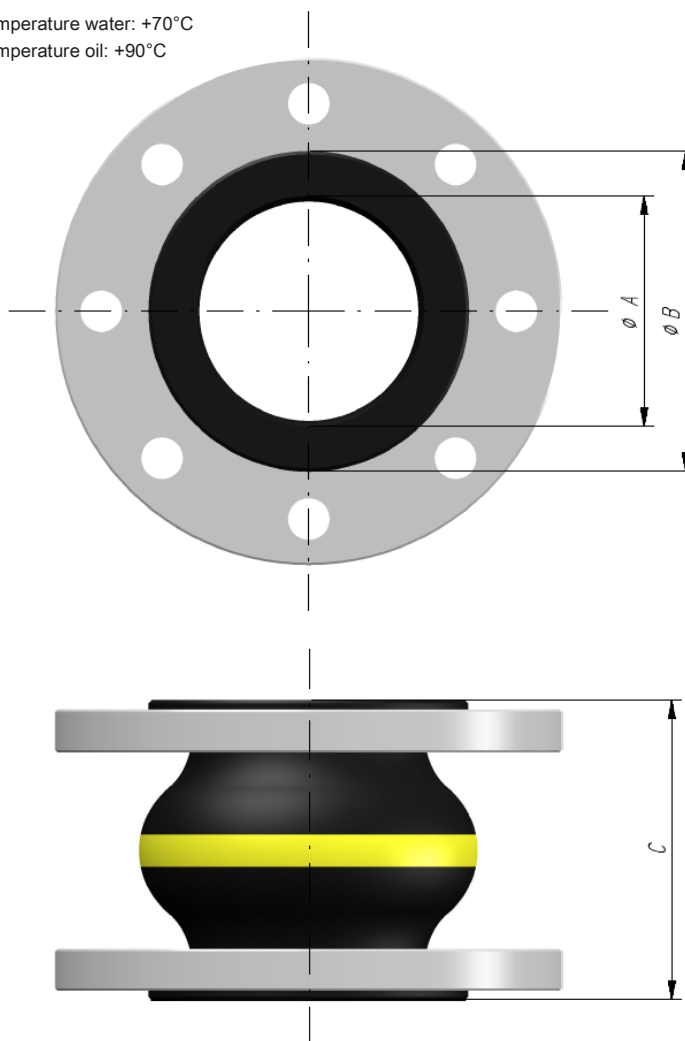
Rubber bellows are used in various fields of industry like shipbuilding, offshore, dredging, power plants, chemical industry, water works etc.

The rubber bellows provide:

- Compensation of thermal or mechanical movement of pipe work in axial, lateral and/or angular directions.
- Absorption and isolation of vibration combined with damping of pipe work borne sound transmission.
- Reduction of pressure pulses in pipe work.
- Compensation for pipe work misalignment on flexibly mounted installations.

Our program consists of rubber bellows with flanges, according all known standards as well as special connections, and rubber and silicone bellows for installation with hose clamps.

Maximum temperature water: +70°C
Maximum temperature oil: +90°C



DIMENSIONS



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.

1C YELLOW RING	Bellows dimensions			Allowable Displacement			Effective bellows area cm ²	Weight kg	Min. Max. Pressure (abs)		Installation length	
	ØA	ØB	C	Ax.	Lat.	Ang.			kPa	MPa	min.	max.
	mm	mm	mm	mm	mm	°					mm	mm
KR025G110C000	25	65	100	-30/+20	±30	7	18	2,8	30	1,6	90	105
KR032G110C000	32	65	100	-30/+20	±30	7	18	2,8	30	1,6	90	105
KR040G110C000	40	78	100	-30/+20	±30	7	18	3,3	40	1,6	90	105
KR050G110C000	50	90	100	-30/+20	±30	7	35	3,7	50	1,6	90	105
KR065G110C000	65	108	100	-30/+20	±30	7	56	4,8	50	1,6	90	105
KR080G110C000	80	124	100	-30/+20	±30	7	87	5,3	60	1,6	90	105
KR100G110C000	100	152	100	-30/+20	±30	7	130	6,2	70	1,6	90	105
KR125G110C000	125	183	100	-30/+20	±30	7	195	8,2	80	1,6	90	105
KR150G110C000	150	214	100	-30/+20	±30	7	260	11,2	80	1,6	90	105
KR200G110C000	200	252	100	-30/+20	±30	7	416	17,0	80	1,6	90	105

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)



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