

Rubber Expansion Joint Type W53

Type W53 is a low corrugation bellows compensator with good sound insulating characteristics. It is characterized by a very high expansion capability in all three planes.

Design:

Low corrugation rubber bellows with reinforcing inserts and integral sealing bead (therefore self-sealing without additional gaskets) for accommodating the steel swivel flange.

The flanges are provided with through holes.

Options - PN10, PN16, PN25, ANSI 150, ANSI 300, BS10, JIS, etc.

All steel parts in S235 JRG2 (RSt 37-2) are zinc plated and passivated. Stainless steel option available.



Details for type W53

Bellows colour code	Core (inner)	Reinforcing material	Cover (outer)	Permissible operating data						Hardness shore A
				bar	°C	bar	°C	bar	°C	
red/blue	IIR-D	Aramid	EPDM	25	80	16	120	10	130	60
yellow/blue	NBR	Aramid	CR	25	50	16	90	10	120	65
green/blue	CSM	Aramid	CR	25	50	16	90	10	120	65

Suitable for vacuum up to 0.8 barA., without supporting ring.

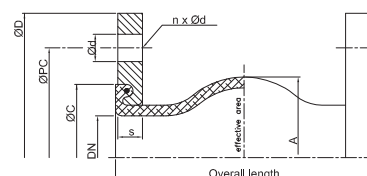
Suitable for vacuum up to 0 barA., with supporting ring.

DN 20 - DN 50 suitable for vacuum without supporting ring.

Special designs:

Also available with tie/control rods (designs B and C).

Design A



DN	Bellows		Flange PN10					Movement absorption				ØC
	Overall length mm	ØA mm	ØD mm	ØPC mm	Ød mm	n	s mm	ax + mm	ax - mm	lat ± mm	∠ ± °	
32	130	81	140	100	18	4	15	10	20	15	20	65
40	130	86	150	110	18	4	15	10	20	15	20	74
50	130	96	165	125	18	4	15	10	20	15	20	86
65	130	110	185	145	18	4	15	10	20	15	20	105
80	130	122	200	160	18	8	15	15	20	15	20	118
100	130	142	220	180	18	8	15	15	20	15	20	137
125	130	170	250	210	18	8	18	15	20	15	20	166
150	130	196	285	240	23	8	18	15	20	15	20	192
200	130	256	340	295	23	8	20	15	20	15	15	252
250	130	306	395	350	23	12	20	15	20	15	10	304
300	130	356	445	400	23	12	22	15	20	15	10	354
350	200	442	505	460	22	16	24	15	20	15	10	398
400	200	495	565	515	26	16	25	20	25	20	8	450
500	250	595	670	620	26	20	30	20	25	20	6	563
600	250	695	780	725	30	20	30	20	25	20	6	673