



TYPE 53

WILLBRANDT RUBBER EXPANSION JOINT

Model 53 is a low corrugated bellow expansion joint with good sound insulating properties. It is characterized by a very high expansion capability,

especially in the angular plane.

Design

Low corrugated rubber bellow with reinforcing inserts and integral sealing

bead (therefore self-sealing without additional gaskets) for accommodating the swivel flanges. The flanges are provided with through holes.

DETAILS FOR MODEL 53

Bellow	Bellow design			Permissible operating data						Hardness
Colour code	Core (inner)	Reinf. material	Cover (outer)	bar °C		bar °C		bar °C		shore A
Red Yellow	EPDM	Nyloncord	EPDM	16	50	12	70	10	90	55
	NBR	Nyloncord	NBR	16	50	12	90	10	90	-

Vacuum

Suitable for vacuum up to 0,8 bar abs., without support ring (2 m suction).

Suitable for vacuum up to 0 bar abs., with support ring (10 m suction).

All compensators can be delivered with potential equalization.

Flange

Swivel flanges both sides in S 235 JRG2 (RSt 37-2) zinc plated. Other materials and specifications available on request.

The flanges are drilled acc. to DIN PN 10 as standard. The flanges are provided with through holes.



DN	Bellow			Flange PN 10					Movement absorption				ØC mm
	BL mm	ØA mm	Eff. a. cm ²	ØD mm	ØLK mm	Ød mm	n mm	s mm	AX + mm	AX - mm	LA +/- mm	∠° +/-	
20	130	81	17	105	75	12	4	16	30	30	30	35	65
25	130	81	17	115	85	14	4	16	30	30	30	35	65
32	130	81	17	140	100	18	4	16	30	30	30	35	65
40	130	86	18	150	110	18	4	16	30	30	30	35	74
50	130	96	32	165	125	18	4	16	30	30	30	35	86
65	130	111	53	185	145	18	4	16	30	30	30	30	105
80	130	122	85	200	160	18	8	18	30	30	30	30	118
100	130	142	128	220	180	18	8	18	30	30	30	25	137
125	130	168	187	250	210	18	8	18	30	30	30	25	166
150	130	192	259	285	240	23	8	18	30	30	30	20	192
200	130	252	410	340	295	23	8	20	30	30	30	15	252
250	130	302	596	395	350	23	12	20	30	30	30	10	304
300	130	354	822	445	400	23	12	22	30	30	30	10	354