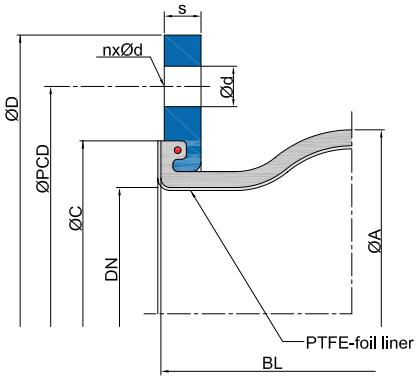
TYPE
50
PTFE

TYPE 50 PTFE
CHEMICAL EXPANSION JOINT



DN 25 to DN 500
Type 50 PTFE is a low corrugated Rubber Expansion Joint lined with PTFE. Its low corrugation minimises flow resistance. The PTFE lining gives the Expansion Joint good anti-adhesive properties and is chemically resistant.
The PTFE lining can be used with any Type 50 rubber compound. However, it is important to ensure that the selected rubber compound achieves the highest possible resistance to the medium, as this is the only way to achieve an optimum service life.



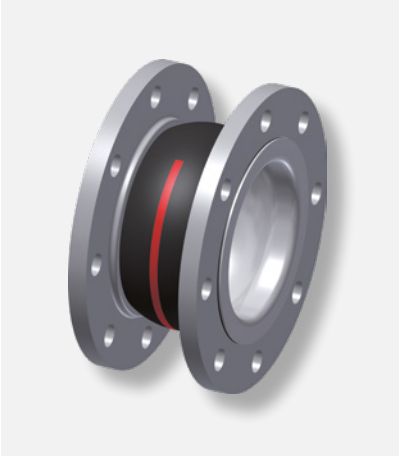
Pressure resistance
Max. 6 bar operating pressure with polyamide cord reinforcement, max. 9 bar operating pressure with aramid or steel cord reinforcement.

Conformity
FDA and EG 1935/2004

Vacuum resistance
Only limited suitable for vacuum operation. A PTFE vacuum supporting ring, which allows full vacuum for small nominal diameters, can be used from DN 50.

The PTFE supporting ring can only be used up to 50°C.

DN 25, DN 32, DN 40 and DN 350 Expansion Joints are not suitable for vacuum operation.



Belman

TYPE 50 PTFE

DIMENSIONS FOR **DESIGN A**

DN*1	LENGTH	BELLOW		FLANGE PN 10*3						MOVEMENT ABSORPTION				WEIGHT
										AX		LA	AN	
	BL mm	ØA mm	WF*2 mm²	ØD mm	ØLK mm	Ød mm	n	s mm	ØC mm	+ mm	- mm	+/- mm	+/- ∠°	kg
25	**130**	81	1700	115	85	14	4	14	66	15	15	15	15	1.9
32	**130**	81	1700	140	100	18	4	15	66	15	15	15	15	3.1
40	**130**	86	1800	150	110	18	4	15	74	15	15	15	15	3.5
50	**130**	96	3200	165	125	18	4	16	86	15	15	15	15	3.8
65	**130**	111	5300	185	145	18	8	16	106	15	15	15	15	5.4
80	**130**	122	8500	200	160	18	8	18	118	15	15	15	15	6.9
100	**130**	142	12800	220	180	18	8	18	138	15	15	15	10	8.0
125	**130**	168	18700	250	210	18	8	18	166	15	15	15	10	9.7
150	**130**	192	25900	285	240	22	8	20	192	15	15	15	10	13.1
200	**130**	252	41000	340	295	22	8	20	252	15	15	15	6	16.4
250	**130**	302	59600	395	350	22	12	20	304	15	15	15	6	21.7
300	**130**	354	82200	445	400	22	12	20	354	15	15	15	6	24.8
350	**200**	420	117600	505	460	22	16	24	412	15	15	15	4	38.8
400	**200**	480	154700	565	515	26	16	25	470	15	15	15	4	38.6
450	**200**	530	204200	615	565	26	20	28	520	15	15	15	4	49.3
500	**200**	580	227900	670	620	26	20	30	570	15	15	15	4	57.2
600	**200**	680	311500	780	725	30	20	30	675	17	20	15	4	76.0
***4700**	**250**	800	434200	895	840	30	24	35	780	20	15	15	3	129.0

*1: For larger nominal diameters, feasibility must be checked

*2: WF = effective area

*3: Other standards/dimensions possible.

*4: Building length 260 mm

Important information
The Bellows must not be painted or insulated at media temperatures >50°C.
Please also note the installation instructions, which is available on request.