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TYPE 39 PTFE

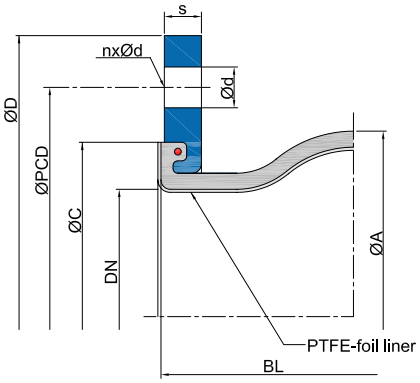
TYPE 39 PTFE
CHEMICAL EXPANSION JOINT



DN 50 to DN 500
Type 39 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 39 rubber compound.



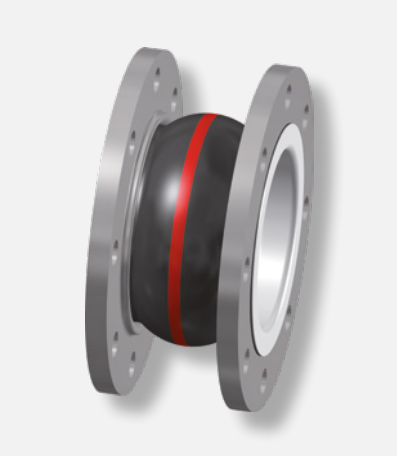
However, it is important to ensure that the selected rubber compound achieves the highest possible resistance to the medium, as this is the only way to achieve an optimum service life.

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

Conformity
CE (A2), FDA and EG 1935/2004.

Vacuum resistance
Only limited suitability for vacuum operation. A PTFE vacuum supporting ring, which allows full vacuum for small nominal diameters, can be used upt to DN 300.

The PTFE supporting ring can only be used up to 50°C. DN 350 Expansion Joints are not suitable for vacuum operation.



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DIMENSIONS FOR **DESIGN A**

DN*1	LENGTH	BELLOW		FLANGE PN 10*4						MOVEMENT ABSORPTION			
										AX		LA	AN
	BL*2 mm	ØA mm	WF*3 mm²	ØD mm	ØPCD mm	Ød mm	n	s mm	ØC mm	+ mm	- mm	+/- mm	+/- ∠°
50	**150 - 500**	96	3200	165	125.0	18.0	4	16	86	15	15	15	15.0
65	**150 - 500**	110	5300	185	145.0	18.0	8	16	106	15	15	15	15.0
80	**150 - 500**	122	8500	200	160.0	18.0	8	18	118	15	15	15	15.0
100	**200 - 500**	142	12800	220	180.0	18.0	8	18	138	15	15	15	10.0
125	**150 - 500**	170	18700	250	210.0	18.0	8	18	166	15	15	15	10.0
150	**150 - 500**	196	25900	285	240.0	23.0	8	20	192	15	15	15	10.0
200	**150 - 500**	256	40900	340	295.0	23.0	8	20	252	15	15	15	6.0
250	**150 - 500**	306	59900	395	350.0	23.0	12	20	304	15	15	15	6.0
300	**150 - 500**	352	82200	445	400.0	23.0	12	20	354	15	15	15	6.0
350	**150 - 500**	442	108000	505	460.0	22.0	16	20	412	15	15	15	4.0
400	**150 - 500**	495	137900	565	515.0	26.0	16	25	470	15	15	15	4.0
450	**150 - 500**	545	180100	615	565.0	26.0	20	25	512	15	15	15	4.0
500	**150 - 500**	595	203800	670	620.0	26.0	20	30	570	15	15	15	4.0

*1: Larger nomimal diameters possible after technical inspection.

*2: Overall length range 150 mm to 500 mm. For larger overall lengths the feasibility must be checked. For smaller overall lengths, please also refer to types 50 PTFE and 55 PTFE.

*3: The effective area (WF) and the outer diameter of the corrugation (ØA) may vary depending on the design.

*4: Other standards/dimensions possible.

Table values correspond to a Bellows design with 6 bar operating pressure at 60°C.

Important information
Please also note the installation instructions and the tolerances according to the FSA manual (which is available on request).