

Applications

Teguflex® Viton®, also well-known as Teguflex® FP, is suitable for a variety of applications, where aggressive chemicals (strong acids, aromatic solvents or hydrocarbons and fuels) or high temperature products are involved. Beside the standard grade, many other special kinds of Viton, formulated to satisfy different resistance requirements, can meet the best performance in every particular case. Please ask our commercial team.

Compensate for thermal elongation and misalignment.

Isolate vibrations, dampen noise and pressure surges, in connection with pipes, pumps, etc.

Do not use either low molecular weight ethers nor ketones applications.

Main properties

- Excellent ozone and weather resistance.
- Low deformation on compression at high temperature.
- Working temperature: Satisfactory results from -15°C to 150°C.

Design

Teguflex® Viton® expansion joint is composed of a special fluoro-elastomeric compound (Viton®), suitable for extremely tough applications and aramid fabric reinforcement, ensuring a long service life with retained properties.

Building length 130/150/200 mm.

Turnable flanges.

Our ranges Type S and Type FFI can also be manufactured in a Viton® quality. For further information, please contact us.

Materials

Colour Label	Inner tube	Outer cover	Max. temp. °C	Applications
Double Purple	Viton®	Viton®	150°	Highly aggressive chemicals and/or high temperature.

Note: Viton® is a registered trademark of Dupont Dow Elastomer.

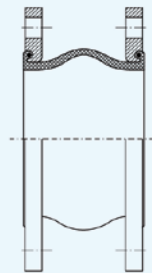
Pressure rating

Pressure	Temperature	DN 25 - DN 150	DN 200 - DN 300
Max. working pressure	90°C	10 bar	8 bar
	150°C	8 bar	6 bar
Test pressure	20°C	16 bar	12 bar
Burst pressure	20°C	>40 bar	>30 bar

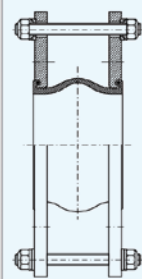
Teguflex® Viton®
FP Double Purple Band

Expansion Joints

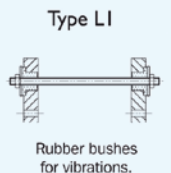
DN 25-DN 300



Type U
Standard unit for axial, lateral and angular movements.

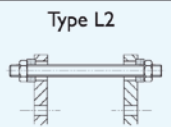


Type L
Unit with tie bars for lateral movements.



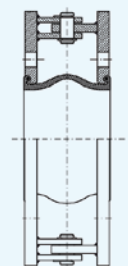
Type L1

Rubber bushes for vibrations.



Type L2

Spherical washers for a smoother movement.



Type A
Unit with hinges to take up angular movements in one plane.

Flange qualities

Zinc plated steel flanges are supplied as standard, however other types are available, stainless steel, hot dipped galvanized, etc., which can be obtained from stock.

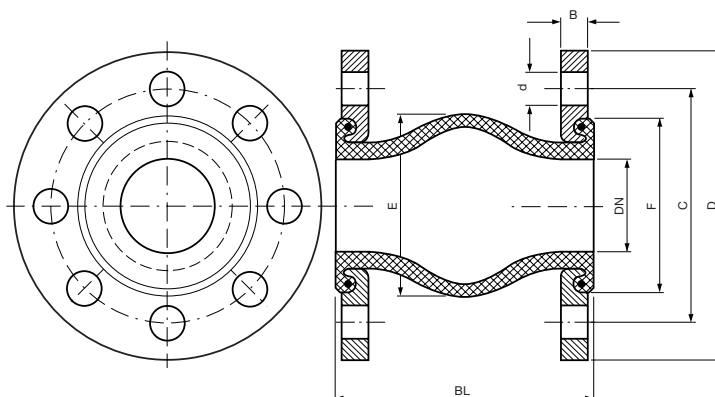
Flange measurements

DN25-DN300 DIN 2501 PN 6/10/16

(see Flange dimension table for details)

Other flange standards also available. Please ask.

Dimensions and movements



DN mm	BL mm	Eff. cross - sectional area Q (cm²)	(E) mm	(F) mm	Permissible movements				Max. vacuum		Weight	
					Com- pression mm	Elon- gation mm	Lateral mm	An- gular	W/o support ring bar	With support ring bar	Incl. flange kg	Incl. Tie-rod flange kg
25/32	130/150	35/24	77	72	30	20	20	35°	0,8	1,0	3	4
40	130/150	50/45	85	80	30	20	20	35°	0,8	1,0	3	5
50	130/150	74/46	95	90	30	20	20	35°	0,7	1,0	4	6
65	130/150	87/92	110	105	30	20	20	30°	0,6	1,0	5	7
80	130/150	120/110	125	120	30	20	20	30°	0,5	1,0	6	8
100	130/150	143/163	145	140	30	20	20	25°	0,5	1,0	7	10
125	130/150	210/228	170	165	30	20	20	25°	0,4	1,0	8	12
150	130/150	283/321	195	190	30	20	20	15°	0,3	1,0	10	16
200	130/150/200	525/549	245	240	30	20	20	15°	0,3	1,0	15	24
250	130/200	636/766	295	290	30	20	20	10°	0,2	1,0	20	34
300	130/200	897/975	345	340	30	20	20	10°	0,2	1,0	24	45

Note: Maximum values do not apply simultaneously.

Optional equipment:

Vacuum rings, flame guards, etc, are available. Please ask for information.

Approvals:



Distributor:

Interflex Hose & Bellows Ltd. • www.integflex.co.uk
 Ludlow Eco Park • Ludlow • Shropshire • SY8 1FF • United Kingdom
 Tel: +44 (0)1584 878500 • Email: teguflex@integflex.co.uk