

Expansion Joints

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Rubber Design's Expansion Joints HO for Hot Oil

Reduction of Vibration and Noise

General/Applications

The expansion joints type HO are intended for industrial hot water pipelines where oil based additives are used against corrosion, for lubricating oil, domestic oils, oil mixed pressurised air etc.

Features

Due to new materials a maximum working temperature of **110°C** is applicable. This temperature, which is approx. 20°C higher than many competing products, guarantees the continuation of the system during a long period. Operational safety is one of the most important conditions in modern time which saves money.

Design

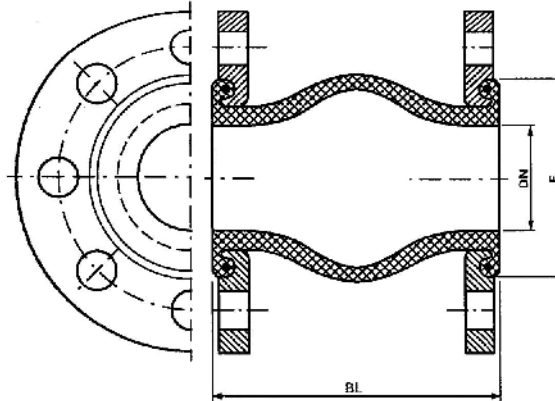
The Reiflexa HO expansion joint is composed of a special Nitrile rubber compound, suitable for high temperatures without harden. The unique fabric reinforcement is resistant to hydrolysis, which will endure high temperatures in combination with moisture, water or oil mixed water. This ensures a long service life with remained properties.



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Reiflexa HO, BL 130, DN 25-DN 300



Flange qualities

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

Flange measurements

Standards like DIN 2501 PN 6/10/16 can be obtained from stock. Other flange standards are available on request.

Dimensions and movements

DN mm	BL mm	Eff. cross-sectional area Q(cm ²)	(F) mm	Permissible movements				Max. vacuum	
				Compression mm	Elongation mm	Lateral mm	Angular	W/o support ring bar	With support ring bar
25-32	130	35	72	30	20	20	35°	0.8	1.0
40	130	45	80	30	20	20	35°	0.8	1.0
50	130	56	90	30	20	20	35°	0.7	1.0
65	130	79	105	30	20	20	30°	0.6	1.0
80	130	104	120	30	20	20	30°	0.5	1.0
100	130	136	140	30	20	20	25°	0.5	1.0
125	130	188	165	30	20	20	25°	0.4	1.0
150	130	254	190	30	20	20	15°	0.3	1.0
200	130	415	250	30	20	20	15°	0.3	1.0
250	130	615	300	30	20	20	10°	0.2	1.0
300	130	855	350	30	20	20	10°	0.2	1.0

Note : Maximum values do not apply simultaneously.

Specifications

Inner tube	:	Hydrogenated Nitrile
Outer tube	:	Hydrogenated Nitrile
		Resistant to weather, ozone and light.
		Self-extinguishing
Reinforcement	:	Aramid
Flanges	:	Zinc phosphated steel
Operating temp.:		Max. 110° C

Materials

Colour Label	Inner tube	Outer cover	Max. temp. °C	Applications
Double Yellow	HNBR	HNBR	110°	Oil, oil mixed water, oil mixed pressurised air, etc.

Pressure rating

Pressure	Temperature	DN25 - DN300
	90°	16 bar
Max. working pressure	110°C	10 bar
Test pressure	20°C	25 bar
Burst pressure	20°C	> 50 bar

