



Est. 1892

Leaders in fluid and material handling solutions



Truco rubber bellows are used as a part of a pipeline system to alleviate stress on equipment or piping caused by thermal expansion, vibration, slight misalignment, etc.

Truco rubber bellows are also used to compensate for axial, lateral and angular movement in a pipework system and are available ex-stock in 3 different polymers, namely EPDM, chloroprene and butyl from 40nb to 600nb.

Ex-stock flanges are zinc-plated, mild steel and drilled to BS4504 or BS10. Other flanges, such as ASA, are available on request.

Rubber Bellows

Colour Code	Linear Material	Cover Material	Application
Blue	Chloroprene	Chloroprene	Excellent aging resistance, resistant to alkaline and acid salt solutions, and aldehydes.
Red	EPDM	EPDM	Good for high temperature and ozone resistance. Not suitable for oil.
Black	Butyl	Butyl	Good all round chemical resistance, ozone/weather resistant, low permeability.
Yellow	Nitrile	Chloroprene	Recommended for oils, grease and petroleum products.
Green	Hypalon	Hypalon	Suitable for strong acids and alkalis.

Nominal Diameter		Overall Length	Compressed & Extended Length	Allowable Movement (mm)				Pressure	
								Operating Pressure	Vacuum
Imperial	Metric NB	mm	mm	Axial Compression	Axial Extension	Lateral Deflection	Angular Deflection	kPa @ 80°C	mm Hg
1½"	40	95	87-99	10	6	9	15°	1600	660
2"	50	105	99-110	10	7	10	15°	1600	660
1½"	65	115	103-121	13	7	11	15°	1600	660
3"	80	130	118-133	15	8	12	15°	1600	660
4"	100	135	117-145	19	10	13	15°	1600	660
5"	125	170	152-180	19	12	13	15°	1600	660
6"	150	180	162-190	20	12	13	15°	1600	660
8"	200	205	180-220	25	16	14	15°	1600	660
10"	250	240	215-254	25	16	22	15°	1600	660
12"	300	260	235-274	25	16	22	15°	1600	660
14"	350	265	240-281	25	16	22	15°	1000	660
16"	400	265	240-281	25	16	22	15°	1000	660
18"	450	265	240-281	25	16	22	15°	1000	660
20"	500	265	240-281	25	16	22	15°	1000	660
24"	600	265	240-281	25	16	22	15°	1000	660

Operation Conditions

1-¼" to 12" Burst Pressure: 60 kg/cm², Working Pressure: 16kg/cm²

14" to 24" Burst Pressure: 40kg/cm², Working Pressure: 10kg/cm²

www.trucorubber.com

Hose Division

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Sheeting and Small Bore Hose

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Truco stocks a comprehensive range of Flanged and Union-type rubber bellows. Our large stockholding allows almost immediate despatch to our customers, locally and abroad.

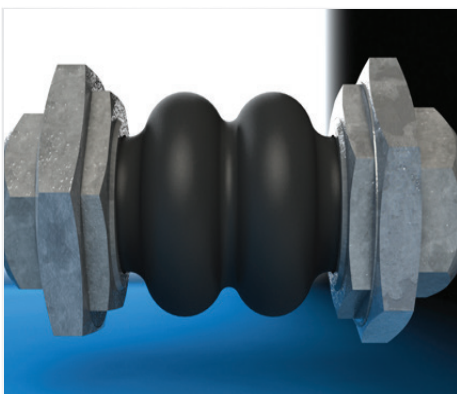
Rubber Bellows - (Expansion joints)



Flanged Rubber Bellows

Flanged Rubber Bellows are used as a part of a pipeline system to alleviate stress forces on equipment or piping caused by thermal expansion, vibration and misalignment. These bellows are compression moulded to ensure close dimensional tolerances and are reinforced with high-tensile polyester cord.

They are also used to compensate axial, lateral and angular movement in a pipework system. Flanged Rubber Bellows are available ex-stock in sizes from 50 NB to 600 NB.



Union-type Bellows

Union-type Bellows connect misaligned smaller diameter pipelines. Designed with a unique twin-sphere construction, these bellows facilitate greater flexibility in pipelines than regular single-sphere bellows.

Union-type Bellows are compression moulded and fitted with galvanised union ends, threaded to BSP standards. Union-type Bellows absorb the elongation and contraction of small diameter steel pipes caused by temperature fluctuation as well as in misaligned pipes. They also reduce noise and absorb vibration in various types of pipes.

- Ideal for misaligned steel pipelines
- Can be used for repairs in existing pipelines
- Standard sizes available ex-stock
- Easy installation
- Eliminate vibration and noise from pipework
- Delivery within one to two days from order

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