

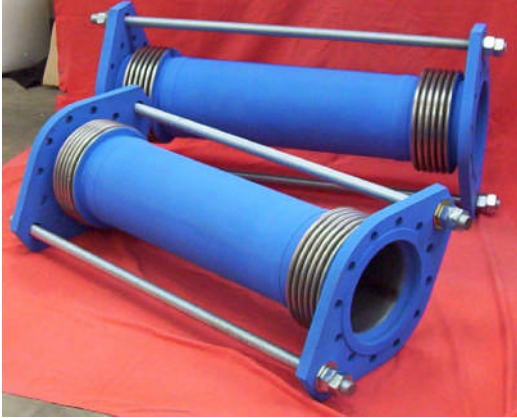


Quick-Steel Ltd.

Manufacturers and Suppliers of Rubber and Steel Expansion Joints

Data Sheet - Type DT

Double Tied Lateral Expansion Joints – Type DT



The DT range of double tied lateral expansion joints are ideal for absorbing large amounts of lateral movement in any direction while containing the pressure thrust forces. Suitable for many liquids & gasses including LTHW, MTHW, HTHW & steam.

The Double Tied Lateral Expansion Joints are generally used where there are changes in pipework direction & expansion in more than one plane, also absorbing both building settlement and bulge that can occur in piping from large vessels or tanks.

Constructed from 321 s/stl membranes & 304 s/stl flow sleeves with c/stl centre tube & BS4504 PN16 oval tied fixed flanges. Fitted with BZP tie bars, nuts & spherical seats & washers.

By increasing the overall length by 'x' the lateral movement which the bellows is capable of is increased by +/- 25mm.

Standard Construction

- 321 s/stl membranes
- 304 flow sleeves
- C/stl Pipe
- C/stl Flanges
- C/stl Tie Bars, nuts & washers

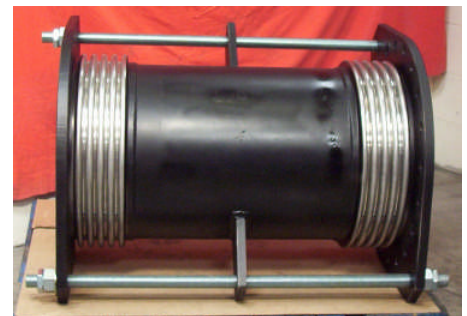
Working Conditions

- Design Pressure: 10 bar
- Design Temp: 100°C

Options

- Membranes in special alloys
- Flanges in s/stl to suit BS, JIS, DIN, ASA
- External covers / Insulation
- Weld Prepped Ends
- Limit Rods

DN		Overall Length		Basic Lateral		Dim 'x'
"	mm	Flanged	Weld End	M'ment (+/-) mm	Spring Rate (N/mm)	mm
2	50	450	600	25	5	230
2 ½	65	450	610	25	7	230
3	80	480	640	25	8	230
4	100	500	650	25	9	230
5	125	580	730	25	29	240
6	150	580	750	25	28	240
8	200	600	770	25	85	250
10	250	610	820	25	209	250
12	300	610	820	25	259	250



Double Tied Lateral Expansion Joints must be securely anchored & adequately guided to ensure their correct performance. Omitting anchors & guides may result in failure of the system. All Quick-Steel Ltd products should be installed in accordance with our fitting instructions.



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