



## Data Sheet - 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 and gasses including LTHW, MTHW, HTHW and 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 316 stainless steel membranes and 304 stainless steel flow sleeves with carbon steel centre tube and EN1092-1 PN16 oval tied fixed in-line flanges. Fitted with Bright Zinc Plated tie bars, nuts and spherical seats and washers.

### Standard Construction

- 316 stainless steel membranes
- 304 stainless steel flow sleeves
- Carbon steel Pipe
- Carbon steel Flanges
- Carbon steel Tie Bars, nuts and washers

### Working Conditions

- Design Pressure: 16 Bar
- Design Temp: 300°C
- Cold Test Pressure: 24 Bar

### Options

- Membranes in special alloys
- Vanstone Ends to give all wetted parts in stainless steel
- Flanges in stainless steel 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	Movement (+/-) mm	mm
2	50	500	650	50	210
2½	65	500	650	50	210
3	80	500	650	50	210
4	100	500	650	50	210
5	125	650	800	50	220
6	150	650	800	50	220
8	200	700	850	50	230
10	250	700	850	50	230
12	300	700	850	50	230

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

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| <ul style="list-style-type: none"> <li>• Double Tied Lateral Expansion Joints must be securely anchored &amp; adequately guided to ensure their correct performance.</li> <li>• Omitting anchors &amp; guides may result in failure of the system. All Quick-Steel Ltd products should be installed in accordance with our fitting instructions.</li> </ul> |
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