

Data Sheet - Double Unrestrained Axial Expansion Joint - Type DU

The DU (Double Untied) range of Axial / Lateral expansion joints are designed for use on exhaust systems and building movement or settlement applications where large amounts of combined axial and lateral movements are required.

As an alternative to our standard construction these Expansion Joints can also be custom made to specifically to suit your needs. This can be done by manufacturing them from different materials and to specific dimensions especially to suit each application, be it replacement of existing expansion joints or brand new systems.

Please contact our sales team for more information.



Standard construction

- Membrane: 316 stainless steel
- Mild Steel pipe
- Mild Steel fixed flanges

Working conditions

- Design temperature: 300°C
- Design pressure: 6 bar

Options

- Vanstone ends to give all wetted parts in stainless steel
- Multiply membranes will give longer life span and lower spring rates
- Different Lengths
- Higher pressure / Temperature ratings
- Flanges to suit ie BS, JIS, DIN, ASA
- External covers / Insulation
- Victaulic ends
- Limit rods
- Membranes in special alloys ie Incoloy 825, 310 stainless steel

DN		Overall Length		Basic Axial and Lateral	Dim 'x'
"	mm	Flanged	Weld End	Movement (+/-) mm	mm
2	50	350	600	25	230
2½	65	350	600	25	230
3	80	350	600	25	230
4	100	350	600	25	230
5	125	500	750	25	240
6	150	500	750	25	240
8	200	500	750	25	250
10	250	500	750	25	250
12	300	500	750	25	250

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

Double Unrestrained Axial 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.