

Fully Articulated Expansion Joint for Steel Pipe Flanged PN16



Working Pressure:	16 Bar (1600kPa)
Test Pressure:	1.5 x Working Pressure
Design Temp. °C.	120 150 200 250 300
Working Pressure: Bar	16 14 12 11 9

Size	Force To deflect for +/- 50mm Movement	Installed Length for +/- 50mm Movement
25	2.1	500
32	2.1	500
40	2.1	500
50	1.09	500
65	2.03	500
80	3.89	500
100	3.97	500
125	10.7	650
150	12.9	650
200	20.24	700
250	30.86	700

Material Specifications:

Convolutions:	321 Stainless Steel
Internal Sleeves:	321 Stainless Steel
Flanges:	Carbon Steel
Hinges:	Carbon Steel
Connecting Spool:	Carbon Steel

Details:

Also available for copper pipe.

Note:

Typical Details Only Shown (Made To Order Specifications)

These units are often used when new mains are being connected to existing mains. They allow a lateral movement to occur.

Angular Expansion Joint for Steel Pipe Flanged PN16



Working Pressure:	16 Bar (1600kPa)
Test Pressure:	1.5 x Working Pressure
Temperature:	Up To 200°C

Size	Angular Movement	Installed Length	Force To Deflect
25	Plus / Minus 5°C	195	1.27 N/mm
32	Plus / Minus 5°C	195	3.04 N/mm
40	Plus / Minus 5°C	200	3.04 N/mm
50	Plus / Minus 5°C	133	3.34 N/mm
65	Plus / Minus 5°C	133	1.47 N/mm
80	Plus / Minus 5°C	133	1.47 N/mm
100	Plus / Minus 5°C	133	1.27 N/mm
125	Plus / Minus 6.5°C	199	3.04 N/mm
150	Plus / Minus 6.5°C	199	3.04 N/mm
200	Plus / Minus 7.5°C	212	3.34 N/mm
250	Plus / Minus 7.5°C	212	3.04 N/mm

Material Specifications:

Convolutions:	321 Stainless Steel
Internal Sleeves:	321 Stainless Steel
Flanges:	Carbon Steel PN16 (Other Flanges Available)
Hinges:	Carbon Steel

Details:

Also available for copper and stainless steel pipe.

This type of expansion joint is used for lateral movement on heating systems.

All units are supplied at installation lengths and pre stressed.