



JV250021

**Metal Axial Expansion Joint
General Purpose Duty
Stainless Steel Bellows
BSP Threaded**



The JV240021 is a general purpose metal axial expansion joint helps to alleviate stress in systems by absorbing longitudinal expansion and compression in pipework.

Approvals, Features & Benefits

- Suitable for a wide range of applications
- Horizontal or vertical position
- External protection
- Internal liner

Pressure & Temperature

Pressure range:-

16 bar
(see graph below)

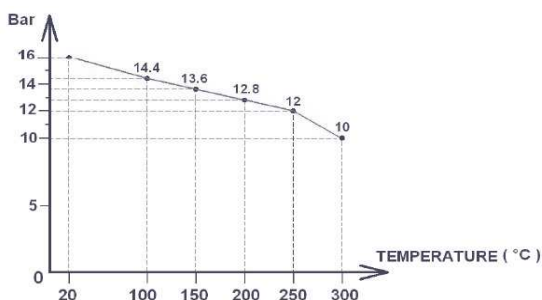
Temperature range:-
-20°C to 300°C

BSP	1/2	3/4	1	1 1/4	1 1/2	2
L	240	240	265	300	300	300
ØD1	38	38	48.3	60.3	75	75
Axial Movement	±25	±25	±25	±25	±25	±25
Weight Kg	0.73	0.66	0.96	1.7	2.99	2.55

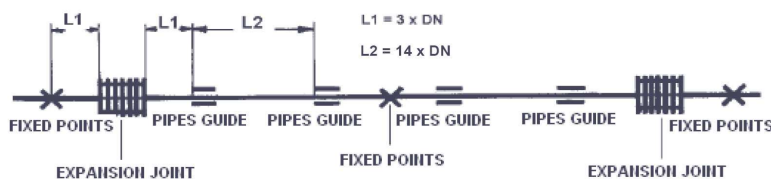
MATERIALS

Ends	Steel (37.2)
Bellows	Stainless Steel (AISI 316)
External Protection	Aluminium
Internal Liner	Steel (37.2)
Pin	Steel (37.2)

Pressure / Temperature Graph



Example Layout



The following considerations should be noted during installation :

- The route of the pipeline is straight.
- The fixes points are dimensioned so that they can absorb the reaction forces and stiffness rate that arise during use.
- The pipeline is limited by fixed points.
- Check that the expansion joint is not subjected to the weight of the pipeline.
- Sagging is prevented by using fixed or loose bearings.
- The distance between expansion joint and the 1st bearing may be a maximum of 4 times the pipe diameter. The distance between the 1st and the 2nd bearing may be a maximum of 14 times the pipe diameter. The distance between the remaining bearings may be a maximum of 21 times the pipe diameter. The distance may be reduced where this is required for the inherent stability of the pipe.