

AW40/1 SINGLE SPHERE EXPANSION JOINT

DN32 - DN600 (EPDM)

The Single Sphere Expansion Joint absorbs any misalignment between two pipes or fittings. Its sphere shaped sleeve distributes pressure evenly over the whole surface to provide a high level of integrity.

Application:



District heating & cooling, Irrigation, Potable Water, Sewerage and Storm Water

Design features

- Flanges free to rotate allows easy installation
- Rubber is doubly reinforced nylon/steel for high integrity, even under vacuum rotate for easy installation
- Rubber seals with counter flanges ensures that the joint flanges are never in contact with the process fluid.

Technical Details:

Maximum Working Pressure PFA:
16 bar / PN16

Flange Type:
EN 1092-1 PN10 & PN16
(other flange types available on request)

Working temperature:
EPDM maximum +90°C
NBR maximum +90°C on request
Neoprene maximum +110°C on request

Medium:
Air, Water, Oil, Acid etc

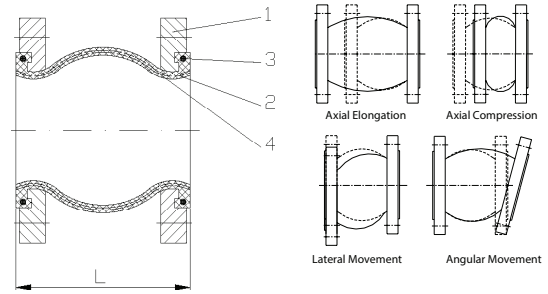
Vacuum Rating:
DN32 to DN300: 750 mmHg / 0,999 bar
DN350 to DN600: 500 mmHg / 0,667 bar





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No	Part Name	Material
1	Flange	Carbon Steel, Zinc Plated
2	Carcass	Nylon cord fabric
3	Reinforcing Wire	Spring Steel Wire
4	Rubber Sleeve	Elastomer EPDM



Dimension (mm & kg)

AW40/1	PN10	PN16	L ± 5	Axial Compresion	Axial Elongation	Lateral Movement	Angular Movement	Weight kg
DN								
32	AH0701		95	9	6	9	15°	2,8
40	AH0704		95	10	6	9	15°	3,0
50	BE2012		105	10	7	10	15°	4,1
65	BE2015		115	13	7	11	15°	5,0
80	BE2016		130	15	8	12	15°	6,5
100	BE2001		135	19	10	13	15°	6,7
125	BE2002		165	19	12	13	15°	9,5
150	BE2004		180	20	12	14	15°	12,5
200	AH0725	BE2006	205	25	16	22	15°	14,5
250	AH0731	BE2009	240	25	16	22	15°	22,5
300	AH0737	BE2011	260	25	16	22	15°	33,5
350	AH0743	AH0744	265	25	16	22	15°	37,5
400	AH0749	AH0750	265	25	16	22	15°	50
450	AH0755	AH0756	265	25	16	22	15°	57
500	AH0761	BE2013	265	25	16	22	15°	67
600	AH0767	AH0768	265	25	16	22	15°	87