AW42/1

DOUBLE SPHERE UNION TYPE EXPANSION JOINT

DN20 - DN65 (EPDM)



The Double Sphere Union Type Expansion Joint is designed to absorb any misalignment between two pipes or fittings. It provides a high level of integrity even at high pressures.

Application:



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

Design features

- The shape with double spheres gives large freedom of alignment and movement
- Arrangement of the unions enables easy and smooth installation
- Rubber is doubly reinforced with nylon and steel wires for high integrity under harsh conditions, including vacuum.

Technical Details

Maximum Working Pressure PFA: 16 bar / PN16	**Connection Type:** Female BSP or NPT threads
Working temperature: EPDM -10 to +120°C	**Medium:** Air, Water, Oil, Acid etc.
Vacuum Rating: 400 mmHg / 0,530 bar	

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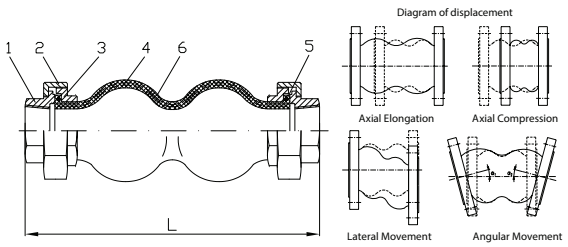
No	Part Name	Material
1	Flange	Carbon Steel, Zinc Plated
2	Union	Carbon Steel, Zinc Plated
3	Clamp	Carbon Steel, Zinc Plated
4	Carcass	Nylon cord fabric
5	Reinforcing Wire	Spring Steel Wire
6	Rubber Sleeve	Elastomer EPDM



Dimension (mm & kg)

AW42/1 DN	Code	PN	L ±5	Axial Compresion	Axial Elongation	Lateral Movement	Angular Movement α1+α2	Weight kg
20 (3/4")	AH0950	PN16	180	22	5~6	22	45°	0,75
25 (1")	AH0953	PN16	180	2	5~6	22	45°	1,0
32 (1-1/4")	AH0956	PN16	200	22	5~6	22	45°	1,4
40 (1-1/2")	AH0959	PN16	210	22	5~6	22	45°	1,9
50 (2")	AH0962	PN16	220	22	5~6	22	45°	2,6
65 (2-1/2")	AH0965	PN16	245	22	5~6	22	45°	3,7

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