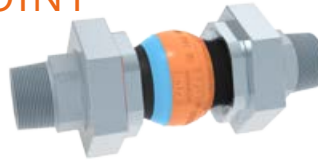


RUBBER EXPANSION JOINT TYPE AS-5

UNIVERSAL-EXPANSION JOINT DN 32 - DN 40



STRUCTURE TYPE AS-5 / RUBBER BELLOWS PN 16

- Universal expansion joint consisting of a rubber bellows with threaded ends
- Male or female thread
- Combination of female/male thread
- Highly elastic molded bellows in various rubber grades
- Steel wire cord reinforcement
- Electrical impedance 10^3 to 10^6 Ohm (DIN IEC 93, VDE 0303-30)

Rubber grade*	EPDM	NBR
Colour code	orange/blue	red/blau
Possible uses	Hot water, acids, lyes	hydrocarbon containing liquids

*Check or inquire about the resistance of the rubber grade to temperature and medium

Technical design	
Max. perm. operating pressure	16 bar*
Max. perm. temperature	+130 °C
Bursting pressure	≥ 50 bar
Vacuum operation	without vacuum supporting ring

Max. operating pressure to be set 30 % lower for shock loads.

*Please consider a decrease of pressure due to temperature (see technical annex).

THREADED ENDS / VERSIONS

- Male thread acc. ISO 7-1 (DIN 2999).
- Union nut with female thread acc. ISO 228-1; flat sealing.

	Standard
Materials	1.0038 (S235JR) (Malleable iron), electrogalvanized

DIMENSIONS STANDARD PROGRAM

DN	L ₁	L ₂	Pressure rate	Ø d _i Bellows inner Ø	Ø W Convolution Ø unpresurized	Ø D ₁ Male thread Ø	Ø D ₂ Female thread Ø	SW ₁ Width across	SW ₂ Width across	SW ₃ Width across	Ø A Union nut Ø
	mm	mm	bar	mm	mm	inch	inch	mm	mm	mm	mm
32	237	187	16	34 ± 3	70	R 1 1/4"	G 1 1/4"	75	47	90	104
40	239	189	16	34 ± 3	70	R 1 1/2"	G 1 1/2"	75	54	90	104

NOTE

Please comply with the general technical instructions regarding reaction force, moving force, fixed point load, installation instructions etc.

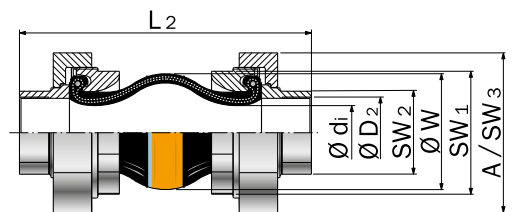
Subject to technical alterations and deviations resulting from the manufacturing process.

APPLICATIONS

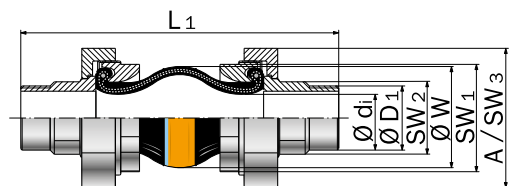
- for reducing thermal and mechanical tension
- for muffling vibration and noise
- for compensating axial, lateral and angular movement
- to compensate for installation inaccuracies
- for heating plants and hot water pipes

CERTIFICATES

- CE (PED 2014/68/EU)
- TÜV/DIN 4809



Type AS-5 with female thread



Type AS-5 with male thread

MOVEMENT COMPENSATION

DN	Δ ax Axial movement Compression - mm Elongation + mm	Δ lat Lateral movement ± mm	Δ ang Angular movement ± degrees	Weight approx. kg
32	30	10	15	2.4
40	30	10	15	2.6

Please inquire for simultaneous (different) movement