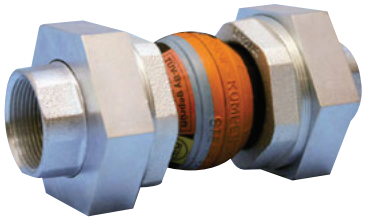
Rubber expansion joint ▪ Type AS-5

Universal expansion joint DN 32 – DN 40



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

Structure type AS-5

☐ Universal expansion joint consisting of a rubber bellows with threaded ends

☐ Male or female thread

☐ Combination of female/male thread

Rubber bellows PN 16

☐ 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)

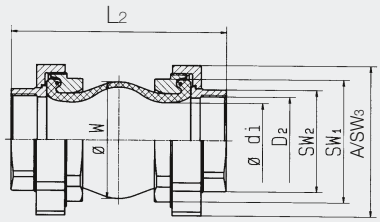
Rubber grade*	Colour code	Possible uses
EPDM	**orange/blue**	**Hot water, acids, lyes**
NBR	**red/blue**	**Oil**

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

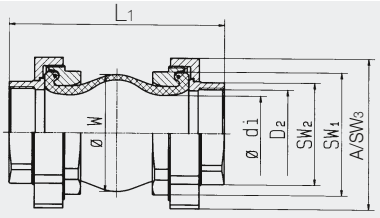
Technical design	
Max. perm. operating pressure	**16 bar***
Max. perm. temperature	**+130 °C**
Bursting pressure	**≥ 50 bar**
Vacuum operation	**without vacuum supporting ring**

Max. operating pressure to be set 30 % lower for shock loads.
*Please consider a decrease of pressure due to temperature (see technical annex).

Versions



Type AS-5 with female thread



Type AS-5 with male thread

Dimensions standard program

DN	L_1 mm	L_2 mm	Pressure rate bar	ø di Bellows inner ø mm	ø W Convolution ø unpressurized mm	ø D_1 Male thread ø Inch	ø D_2 Female thread ø Inch	SW_1 Width across mm	SW_2 Width across mm	SW_3 Width across mm	ø A Union nut ø mm
32	**237**	**187**	**16**	**34±3**	**70**	**R 1¼"**	**G 1¼"**	**75**	**47**	**90**	**104**
40	**239**	**189**	**16**	**34±3**	**70**	**R 1½"**	**G 1½"**	**75**	**54**	**90**	**104**

Movement compensation

DN	Δ ax Axial movement Compression - mm	Δ ax Axial movement Elongation + mm	Δ lat Lateral movement ± mm	Δ ang Angular movement ± ∢ degrees	Weight approx. kg
32	**30**	**10**	**15**	**25**	**2.4**
40	**30**	**10**	**15**	**25**	**2.6**

Please inquire for simultaneous (different) movement

Threaded ends

Version

☐ Male thread acc. ISO 7-1 (DIN 2999).

☐ Union nut with female thread acc. ISO 228-1; flat sealing.

Materials

Standard: 1.0038 (S235 JR) (Malleable iron), electrogalvanized

Certificates

☐ CE (DGR 97/23/EC)

☐ TÜV/DIN 4809

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.