



EMFLEX[®]

Twin Sphere Rubber Flexible Connectors

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Twin Sphere Rubber Flexible Connectors

EMFLEX twin sphere rubber flexible connectors are comprised of a twin sphere or double bubble synthetic rubber membrane reinforced with nylon. The collars are wire reinforced and the unit is complete with galvanised or stainless steel female unions. They are capable of absorbing movement in several directions; axial compression, axial elongation and lateral deflection. A small amount of angular movement may also be allowed. They are normally installed in the pipework to isolate various items of plant which produce noise and vibration. These flexible connectors effectively dampen the transmission of sound and vibration from plant items in building services installations.



TYPE TS

EPDM rubber membrane reinforced with a nylon textile cord and fitted with galvanised female unions. Suitable for steel pipework.

Nominal Size	Installed Length	Axial Compression	Axial Elongation	Lateral Movement	Angular Movement
mm	mm	mm	mm	+/- mm	Deg
20	200	22	6	22	10
25	200	22	6	22	10
32	200	22	6	22	10
40	200	22	6	22	10
50	200	22	6	22	10
65	240	22	6	22	10
80	240	22	6	22	10

Maximum Working Pressure: 4 bar.

Test Pressure: 1.5 x Working Pressure.

Working Temperature: -10°C to 90°C.

Design Consideration:

Rubber flexible connectors are subjected to the same internal pressure force as metal expansion joints and that the same force is equal to the internal pressure multiplied by the maximum internal area.