

SAFEFLEX EXPANSION JOINTS

Safeflex expansion joints are molded and vulcanized in hydraulic presses. This high pressure process produces a smooth finished product with outstanding adhesion between the cover, reinforcement and tube.

Most of our competitors still use Natural Rubber impregnated Nylon tire cord between sulfur cured, EPDM covers and tubes. This construction becomes brittle with age at higher temperatures, so we changed from Nylon to Kevlar®, as Kevlar® has a higher modulus that minimizes swell and elongation, and outstanding temperature tolerance up to 250°F (121°C).



SFU

SFU single spheres are more than adequate for both sound reduction and movements in smaller pipelines. 3 bolt flanges increase sealing pressure and eliminate pullout common to threaded pipe coupling ends poorly adapted to this service.

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SFEJ

SFEJ single spheres are used where there is minor expansion, no seismic considerations or space and cost controls.

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SFDEJ

SFDEJ double sphere connectors are always our first recommendation. The longer body has better volumetric response to sound pressure waves and provides superior sound attenuation. In seismic zones the extra movement capabilities are very important as well.

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SFDEJ-HE

SPECIFICATION

Offset shall be accomplished by the angular motion of a double sphere expansion joint bolted to each end of an intermediate steel pipe. Bracket each expansion joint with hinged steel connections. Hinges shall have a pin in a slot on both sides.

The piping on each end of the assembly must be securely anchored to accept a thrust of 1.5 times the operating pressure multiplied by the projected area of the pipe.

Specifications for the expansion joints shall be as Mason Industries Safeflex SFDEJ. The complete hinged assembly, Safeflex SFDEJ-HE at manufactured by Mason Industries Inc.

