

Series 6500 PERMA-PAX® Packed Expansion Joints

- Standard designs sizes 2" through 24", 150 & 300 PSIG at 500°F
- Axial travel of 4", 8" & 12" for single configurations, 8", 16" & 24" for dual anchor base configurations
- Minimum friction force. All expansion joints are factory cycled, and the friction force measured for conformance to specifications
- Carbon fiber graphite impregnated braided packing combined Grafoil® Flexible Graphite injected packing
- Line bored abrasion free aluminum bronze internal & external guides
- Self lubricating maintenance free
- Can be repacked under full system pressure



Hyspan Perma-Pax Packed Expansion Joints are a premium quality product with standard features that are not available or that are only offered as options for comparable products. The body is made from one piece, therefore eliminating a circumferential weld in the outer diameter. Internal and external guides are made from aluminum bronze bearing material that is welded in place and line bored for alignment and a precision fit to the traveling pipe. The sealing system consists of carbon fiber yarn impregnated with graphite and injected Grafoil® Flexible Graphite that has been optimized to minimize friction. These sealing materials remain flexible throughout the service life of the expansion joint, and have the added benefit of providing lubrication to the traveling pipe.

These design features combined with the Hyspan quality system that includes welding to ASME Code Section IX, and hydrostatic testing and cycling of all Perma-Pax expansion

joints, assure the user of a quality extended life product. Design conforms to ASTM F 1007 and Mil-E-17814.

Hyspan designs and manufactures Series 6500 expansion joints for custom applications including elevated pressure and temperature service, special materials and diameters greater than 24".

Since 1986 Hyspan has offered a full five year replacement warranty on standard design Series 6500 expansion joints—see Page 15 for details.

Grafoil is a UCAR registered trademark

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