



8908 / 8906

FABRICATED STEEL EXPANSION JOINT



APPLICATIONS

ROBAR 8908/8906 Expansion Joints are used in Steel pipelines where large longitudinal pipe movements are concentrated. Use for piping water, gas, oil and various chemicals.

ROBAR  BAKER

MATERIAL SPECIFICATIONS

Flanges & Slip Pipe: Stainless Steel or Chrome Plated Mild Steel Slip Pipes are recommended for most permanent applications

Fasteners: 8908 – 5/8" electro-galvanized bolts
8906 – 5/8" T-316 Stainless Steel bolts Nuts coated with anti-galling compound
Torque is 70-80 ft. lbs

Packing: Standard packing SBR Rubber / Jute, special packings are available

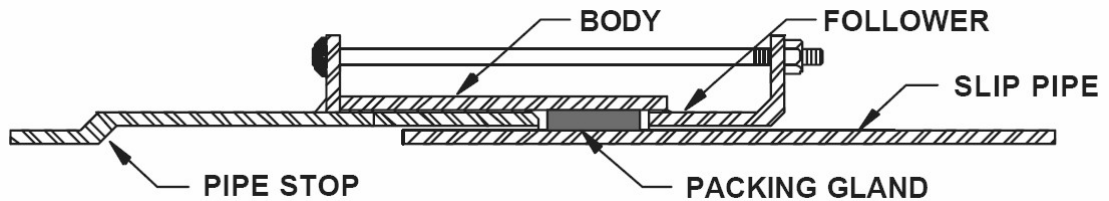
End Preparation: Plain end – Bevelled for welding
Flanged end – C207 Class D – ANSI 150 lb. drilling, other flanges available
Grooved end also available

Coating: 8908/8906 – Corrosion Protective Epoxy

INSTALLATION

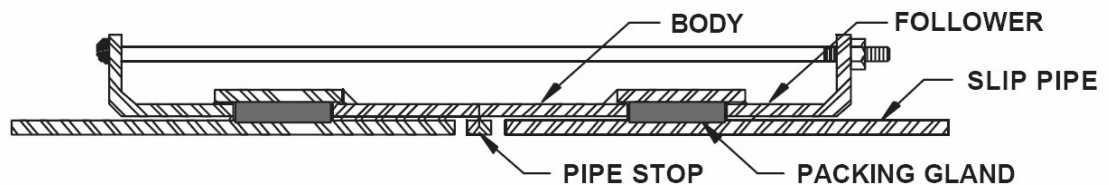
The Expansion Joint may be contracted to 26-1/4" length or fully expanded to 36-1/4" length. The installer sets the length between these two extremes. The Slip Pipe is welded to one pipe in the line, and the joint Body is welded to the other pipe. Care should be taken to protect the gasket-bearing surfaces from corrosion or undue wear from line content or environment.

8906-1



Construction: 8808-1 (Style 1) Expansion Joint is designed to satisfy the requirements of most applications. This style allows for up to 10" of longitudinal pipe movement, has one Slip Pipe and a single Packing Gland with no Limit Rods (see material specifications page 0.4.1).

8906-2



Construction: 8808-2 (Style 2) Similar to details of Style 1 Expansion Joint except that it has two Slip Pipes and two Packing glands. When the Joint Body is anchored, this style of Expansion Joint allows 4" of pipe movement at each end, for a total of 8".

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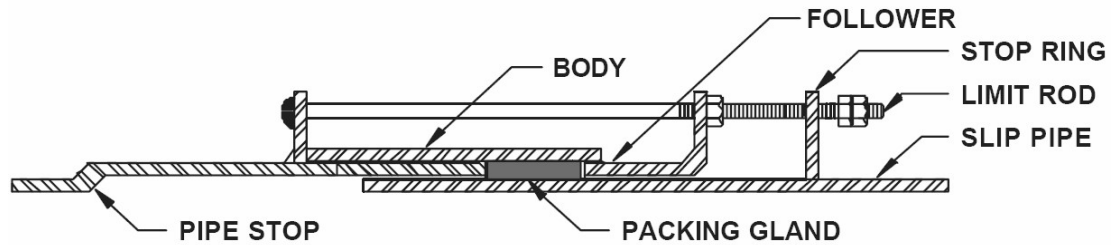
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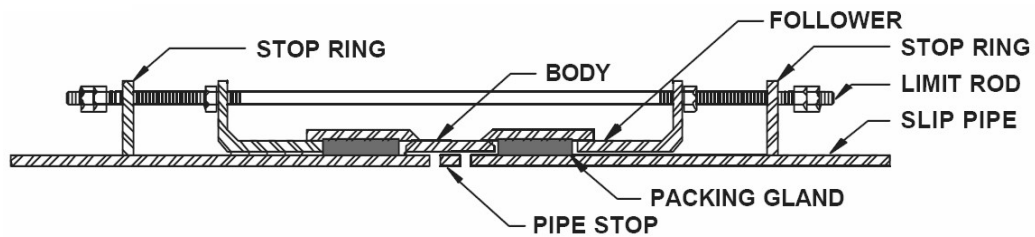
FABRICATED STEEL EXPANSION JOINT

8906-3



Construction: Similar to details of Style 1 Expansion Joint except that a Stop Ring is welded to the Slip Pipe, and the regular bolts are extended through this ring. A set of double nuts engages the Stop Ring to limit the Slip Pipe from pulling out of the joint.

8906-4



Construction: Similar to details of Style 2 Expansion Joints except that this style has two Stop Rings welded on the Slip pipes. As with Style 3, a set of double nuts engages each Stop Ring to limit the Slip Pipes from pulling out of the joint.

INFORMATION REQUIRED FOR ORDERING

1. Total quantity required
2. Type of pipe, wall thickness and exact OD of pipe
3. Type and Style of Expansion Joint
4. Service or line content – water, gas, sewage, etc
5. Maximum working and test pressures (PSI)
6. Calculated movement at each joint, and frequency
7. Minimum and maximum temperature ranges
8. End preparation of pipe where Expansion Joint is required (flanged, beveled for welding, etc.)

HOW TO ORDER

Determine the product number (**8906**), the Expansion Joint style (Style 1, 2, 3, or 4), the exact pipe OD, the pipe ends required and then use the appropriate ordering code as shown in the following example.

For a 24" OD pipe on which 6" pipe movement is expected and you want beveled ends, the ordering code is:

Product Number	Style	Actual OD
8906	- 1 -	24.00"

i.e. **8906 - 1 - 24.00" Bevel x Bevel**

Note: All expansion joints are built to order. Allow for longer than normal delivery time.

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