

EXPANSION JOINTS SETTING & MAINTENANCE

Fig. #1710

Expansion and contraction of both the connecting piping and the roof causes roof damage in the area around the roof drain. To prevent this damage, Smith has available, our Fig. #1710 expansion joint. This type of expansion joint is independent of the roof drain, but connected by the use of a no-hub adapter and clamp, or screwed into the drain body outlet, or vertical connecting piping. (Fig.#1710 is not recommended for use with horizontal piping.)

In order to protect the expansion joint sleeve during shipment, the sleeve is assembled fully inserted into the body (see Sketch #1). The sleeve must be reset (at the job site) before installation. For most normal applications, the sleeve may be set at it's neutral (midpoint) position (see Sketch #2). If extreme or unusual expansion or contraction problems are encountered, contact Smith Engineering Dept. for a recommended sleeve setting.

**Sketch #1
As Shipped**

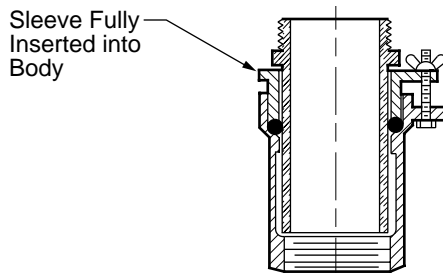


Fig. #1710

**Sketch #2
As Installed**

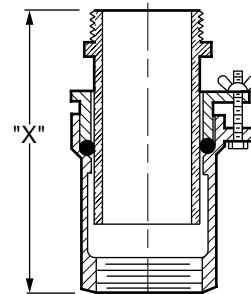


Fig. #1710

When setting the sleeve, extreme care must be maintained. Proceed as follows (see Sketch #3)

Sketch #3

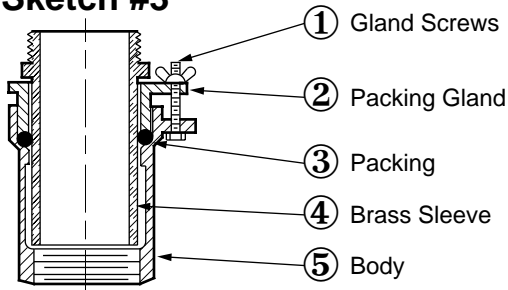


Fig. #1710

1. Loosen gland screws ① which, in turn, loosens packing gland ②. In most cases, packing gland will not have to be removed entirely.
2. Set sleeve ④ to neutral (midpoint) setting.
3. Reset packing gland and tighten down on gland screws. Gland screws should be tightened down until packing gland and sleeve are firmly set.
4. The sleeve ④ must be set straight (vertically—90° to bottom of drain body). If installed in a cocked position leakage through the packing ③ might occur.

CAUTION:

Packing ③ should always be set evenly around sleeve. This joint should be checked periodically to make certain packing is in place and in good condition. Packing gland and gland screws should always be in a tightened down position.