

EXPANSION JOINTS SETTING & MAINTENANCE

Fig. #1710

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.

NOTE: The Fig. 1710 shall not be used in horizontal piping.

**Sketch #1
As Shipped**

Sleeve Fully
Inserted into
Body

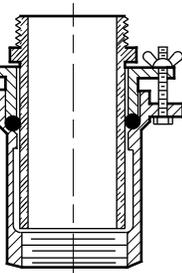


Fig. #1710

**Sketch #2
As Installed**

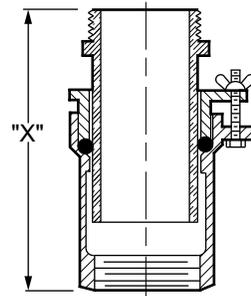


Fig. #1710

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

Sketch #3

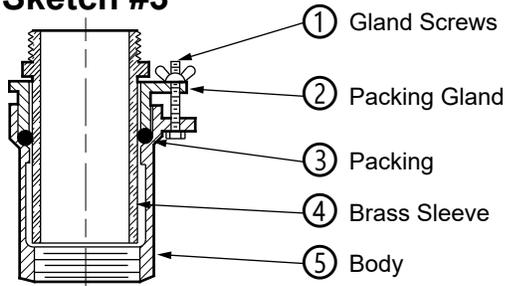


Fig. #1710

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. It is recommended to apply thread locking compound to the threads to prevent unwanted loosening.
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.

