

## EXPANSION JOINT - RIGID CONDUIT

### I. Quantity

The base bid shall include the indicated number, size, and type of conduit expansion joints furnished and installed as hereinafter specified and located as shown on the drawings.

### II. Material

The expansion joint shall be composed of a galvanized steel body, threaded steel end fittings, bushing insulator, gland nut, a copper braid packing, and bonding strap and clamps. Body shall be of a size larger than the conduit run in which it is used, and have a reducing fitting and a gland fitting on the ends.

Copper braid ring shall be lubricated and graphitized throughout, for easy sliding of the conduit during expansion and contraction.

Bonding strap and clamps shall be provided for grounding continuity as required by N.E.C. Strap shall be of sufficient length to allow full expansion.

The expansion joint shall be of the size specified and allow for a minimum of .500 inch movement.

Expansion joints shall be UL standard 514 approved as manufactured by Crouse-Hinds XJ expansion joints or approved equal.

### III. Installation

Expansion joints shall be originally installed in long conduit runs in such a manner as to allow equalized movement for both expansion in hot weather and contraction in cold weather. Therefore the temperature at the time of installation shall be considered in the nominal positioning of the joint in the conduit and allowance for movement shall favor the opposite season.

Fittings and strap clamps shall be securely tightened and sufficient length shall be allowed for temperature movement.

### IV. Quotation

The expansion joints furnished and installed as herein specified shall be quoted on a unit price each in the appropriate place in Section 3 of this document.