

# XD Series Expansion/Deflection Coupling

## Installation & Maintenance Information

**Crouse-Hinds**  
by **EATON**

IF 566

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

### DESIGN MOVEMENT LIMITATIONS

XD Series couplings are designed to permit following movements:

1. Axial expansion or contraction, up to 3/4".
2. Angular misalignment of the axes of the coupled conduit runs in any direction-up to 30°.
3. Parallel misalignment of the axes of coupled conduit runs in any direction-up to 3/4".
4. Combinations of (1) and (2) or (1) and (3).

Design movement limitations are based upon couplings being installed in the neutral position (as received).

### INSTALLATION PROCEDURE

1. Assemble initial connection by holding conduit rigidly and tighten hub being attached. Cast ribs are provided on hubs for this purpose. DO NOT TIGHTEN using free hub end of coupling.
2. To complete assembly, hold free hub of coupling rigidly and tighten conduit.

#### CAUTION

To avoid damage to grounding strap connecting end hubs inside fitting, do not twist coupling during installation.

### INSTALLATION IN PVC CONDUIT SYSTEMS

Before installation is made a rigid metal conduit nipple and metal rigid-to-PVC adapter must be assembled to each hub of expansion/deflection coupling.



### INSTALLATION IN CONCRETE

When an installation is made where the conduit system is to be embedded in concrete, the "expansion joint" band molded on the neoprene jacket (See Figure 1) must be centered in expansion joint between the sections of concrete pours.

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