

# Deflection/Expansion Fittings

For Rigid Metal Conduit & IMC

## Type DX

**Use:**  
To compensate for movement in any direction between two conduit ends which they connect. Type DX fittings will withstand occasional vibration transmitted to conduit by rotating equipment or vehicular traffic.

These fittings will provide for a movement of ¼" from the normal in all directions. Where they are used for angular movement they will allow for a deflection of 30° from the normal in any direction.

Fittings may be used with PVC conduit by using standard adapters in each end.


**Features:**

- Watertight (NEMA 4)
- Raintight
- Concretetight

**Material:**

- End Couplings - Bronze
- Sleeve - Neoprene
- Bands - Stainless Steel
- Bonding Jumper - Tinned Copper Braid

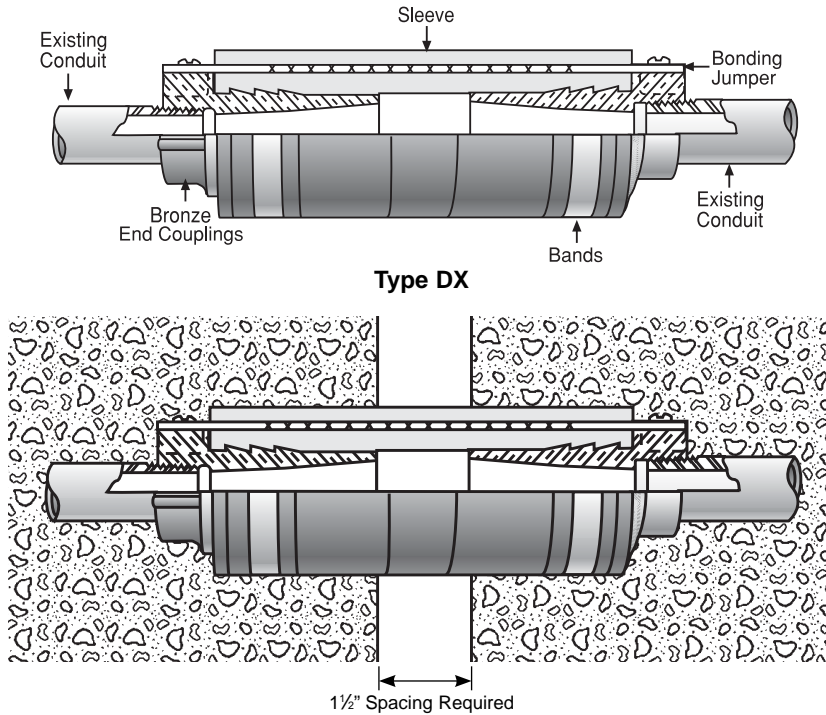
**Third Party Certification:**

 UL Listed: E-11853

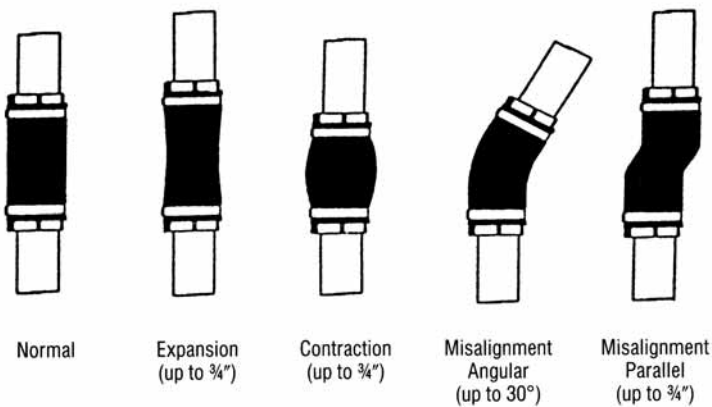
 CSA Certified: 11584

**Applicable Third Party Standards:**

- UL Standard: 514B
- CSA Standard: C22.2 No. 18
- Fed. Spec: W-F-408E
- NEMA: FB-1



| Trade Size (inches) | Catalog Number | Dimensions in Inches |                |
|---------------------|----------------|----------------------|----------------|
|                     |                | Max. Dia.            | Overall Length |
| ½                   | DX-50          | 2¼                   | 6¾             |
| ¾                   | DX-75          | 2½                   | 6¾             |
| 1                   | DX-100         | 2¾                   | 7              |
| 1¼                  | DX-125         | 3¾                   | 7¼             |
| 1½                  | DX-150         | 3¾                   | 7¼             |
| 2                   | DX-200         | 3¾                   | 8¾             |
| 2½                  | DX-250         | 4¾                   | 8¾             |
| 3                   | DX-300         | 5                    | 8¾             |
| 3½                  | DX-350         | 5¾                   | 9¼             |
| 4                   | DX-400         | 6¾                   | 9¼             |
| 5                   | DX-500         | 7¾                   | 9¾             |
| 6                   | DX-600         | 8¾                   | 9¾             |



# Combination Deflection/Expansion Fittings

For Rigid Metal Conduit & IMC

## Type AXDX

Provide deflection and straight line movement beyond  $\frac{3}{4}$ "

### Use:

The assembly shown can be used where allowance for expansion and deflection must be provided but the  $\frac{3}{4}$ " straight line movement in either direction which our Type DX expansion/deflection fitting permits is not sufficient. By combining the Type DX fitting with our Type AX expansion fitting, a straight line movement of 2" in either direction (total movement of 4") is provided.

### Features:

- Fitting assembly can be used embedded in concrete as shown, or can be used in exposed locations.
- Fittings include standard Type DX and AX fittings, bonding jumper, insulating bushing, and short nipple.

### Material:

Sleeve - Neoprene  
End Couplings - Bronze  
Bonding Jumper - Tinned Copper Braids  
Bands - Stainless Steel  
All other metal parts are malleable, ductile iron or steel

### Finish:

All malleable, ductile iron or steel parts are Hot Dip Galvanized

### Optional Sizes:

Other sizes available. Fittings can be furnished to provide additional linear conduit movement beyond 4". Specify "AX8DX" for 8" linear movement, 4" in either direction. Contact your local representative for pricing and availability.

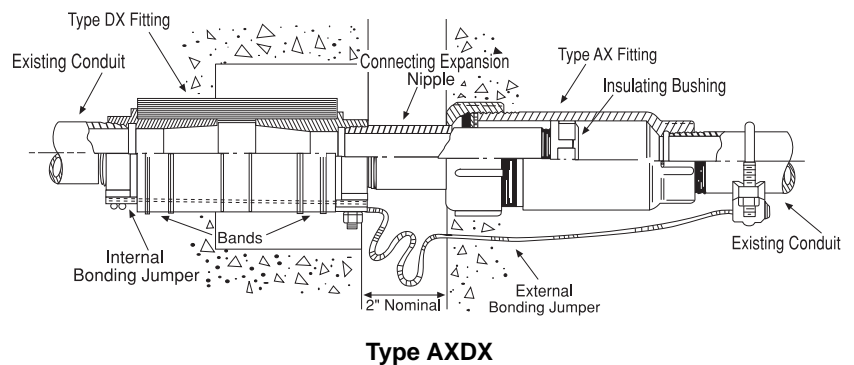
### Third Party Certification:

 UL Listed: E-11853

 CSA Certified: 11584

### Applicable Third Party Standards:

UL Standard 514B  
CSA Standard C22.2 No. 18  
Fed. Spec: W-F-408E  
NEMA FB-1



Type AXDX

| Trade Size (inches) | Catalog Number | Max. Dia. (inches) | Approx. Overall Length |
|---------------------|----------------|--------------------|------------------------|
| $\frac{1}{2}$       | AXDX-50        | $2\frac{1}{4}$     | 15                     |
| $\frac{3}{4}$       | AXDX-75        | $2\frac{1}{2}$     | $15\frac{1}{8}$        |
| 1                   | AXDX-100       | $2\frac{3}{4}$     | $15\frac{1}{4}$        |
| $1\frac{1}{4}$      | AXDX-125       | $3\frac{1}{8}$     | $15\frac{1}{2}$        |
| $1\frac{1}{2}$      | AXDX-150       | $3\frac{1}{2}$     | $15\frac{3}{8}$        |
| 2                   | AXDX-200       | 4                  | $17\frac{1}{4}$        |
| $2\frac{1}{2}$      | AXDX-250       | $4\frac{1}{2}$     | 18                     |
| 3                   | AXDX-300       | $5\frac{1}{8}$     | $18\frac{1}{2}$        |
| $3\frac{1}{2}$      | AXDX-350       | 6                  | $19\frac{3}{4}$        |
| 4                   | AXDX-400       | $6\frac{3}{8}$     | 20                     |
| 5                   | AXDX-500       | 8                  | 21                     |