

XD deflection couplings

Applications:

XD Couplings can be installed indoors, outdoors, buried underground or embedded in concrete in non-hazardous areas. XDs are used with standard rigid conduit or PVC rigid conduit. (PVC requires rigid metal conduit nipples and rigid metal-to-PVC conduit adapters). XDs provide a flexible and watertight connection for protection of conduit wiring systems from damage due to movement.

Typical applications include:

- Underground conduit feeder runs
- Runs between sections of concrete subject to relative movement
- Runs between fixed structures
- Conduit entrances in high rise buildings
- Bridges
- Marinas, docks, piers

Features:

- XD couplings accommodate the following movements without collapsing or fracturing the conduit, and damaging the wires it contains:
 1. Axial expansion or contraction up to $\frac{3}{4}$ "
 2. Angular misalignment of the axes of the coupled conduit runs in any direction to 30°
 3. Parallel misalignment of the axes of coupled conduit runs in any direction to $\frac{3}{4}$ "
- Inner sleeve maintains constant I.D. in any position and provides a smooth insulated wireway for protection of wire insulation
- Watertight flexible neoprene outer jacket is corrosion-resistant and protects the grounding strap and the attachment points of the hubs
- Tinned copper flexible braid grounding straps assure grounding continuity
- Stainless steel jacket clamps for strength and corrosion resistance
- Standard tapered electrical threads fit standard rigid conduit
- Integral hub bushing protects insulation of conductors

Certifications and compliances:

- UL Standard 514B
- CSA 22.2 No. 18 3-12
- Wet locations

Size ranges:

- 1" to 6" (smaller sizes can be obtained by using reducing bushings)

Standard materials and finishes:

Hubs:

- *Feraloy*[®] iron alloy – hot dip galvanized

Outer jacket:

- Molded neoprene – natural (black)

Jacket clamps:

- Stainless steel – natural

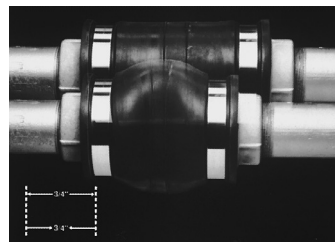
Inner sleeve:

- Molded plastic – natural (brown)

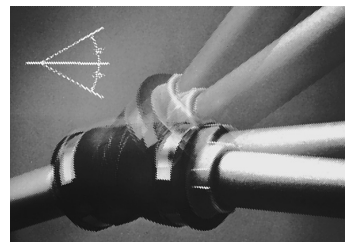
Bonding strap:

- Braided tinned copper

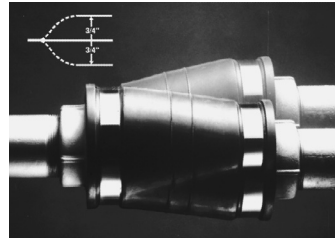
Hot dip galvanized now standard!



1. Axial expansion/contraction

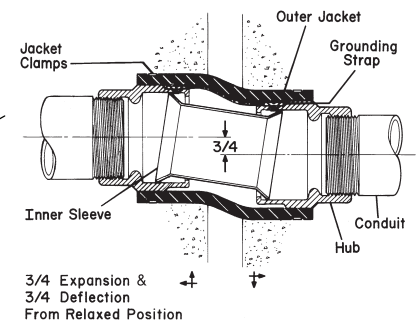
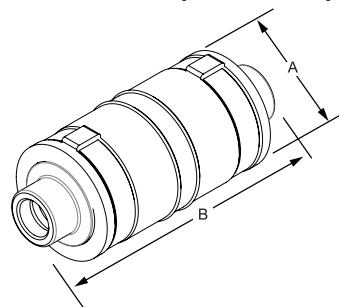


2. Angular misalignment



3. Parallel misalignment

Dimensions (in inches):



Conduit size	Cat. #	A Dia	B Length
1"	XD3 HDG	$3\frac{15}{16}$	7
1 $\frac{1}{4}$ "	XD4 HDG	$4\frac{1}{4}$	$7\frac{3}{8}$
1 $\frac{1}{2}$ "	XD5 HDG	$4\frac{1}{2}$	$7\frac{1}{4}$
2"	XD6 HDG	$4\frac{15}{16}$	$7\frac{1}{4}$
2 $\frac{1}{2}$ "	XD7 HDG	$5\frac{5}{16}$	$7\frac{1}{2}$
3"	XD8 HDG	$5\frac{15}{16}$	$7\frac{3}{8}$
3 $\frac{1}{2}$ "	XD9 HDG	$6\frac{1}{2}$	$7\frac{3}{4}$
4"	XD010 HDG	$6\frac{15}{16}$	$7\frac{1}{8}$
5"	XD012 HDG	8	$7\frac{3}{4}$
6"	XD014 HDG	9	$8\frac{3}{8}$

^R $\frac{3}{4}$ " trade size can be created using third party certified 1" - $\frac{3}{4}$ " reducing bushings.