**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

**Dimensions (in inches):**

<table>
<thead>
<tr>
<th>Conduit size</th>
<th>Cat. #</th>
<th>A Dia</th>
<th>B Length</th>
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<tbody>
<tr>
<td>1”</td>
<td>XD3 HDG</td>
<td>3/4&quot;</td>
<td>7</td>
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<tr>
<td>1 1/4&quot;</td>
<td>XD4 HDG</td>
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<td>1 1/2&quot;</td>
<td>XD5 HDG</td>
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<td>2&quot;</td>
<td>XD6 HDG</td>
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<td>XD7 HDG</td>
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<td>3&quot;</td>
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<td>XD9 HDG</td>
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<tr>
<td>5&quot;</td>
<td>XD12 HDG</td>
<td>8&quot;</td>
<td>7 1/2</td>
</tr>
<tr>
<td>6&quot;</td>
<td>XD14 HDG</td>
<td>8&quot;</td>
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\( \frac{3}{4} " \) trade size can be created using third party certified 1" - \( \frac{3}{4} " \) reducing bushings.