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 \( \frac{1}{4} \)"
• 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>
</tr>
</thead>
<tbody>
<tr>
<td>1”</td>
<td>XD3 HDG</td>
<td>3/4</td>
<td>7</td>
</tr>
<tr>
<td>1 1/4”</td>
<td>XD4 HDG</td>
<td>4/8</td>
<td>7/8</td>
</tr>
<tr>
<td>1 1/2”</td>
<td>XD5 HDG</td>
<td>4/8</td>
<td>7/8</td>
</tr>
<tr>
<td>2”</td>
<td>XD6 HDG</td>
<td>4/8</td>
<td>7/8</td>
</tr>
<tr>
<td>2 1/4”</td>
<td>XD7 HDG</td>
<td>5/8</td>
<td>7/8</td>
</tr>
<tr>
<td>2 1/2”</td>
<td>XD8 HDG</td>
<td>5/8</td>
<td>7/8</td>
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<tr>
<td>3”</td>
<td>XD9 HDG</td>
<td>5/8</td>
<td>7/8</td>
</tr>
<tr>
<td>3 1/4”</td>
<td>XD10 HDG</td>
<td>6/8</td>
<td>7/8</td>
</tr>
<tr>
<td>3 1/2”</td>
<td>XD012 HDG</td>
<td>6/8</td>
<td>7/8</td>
</tr>
<tr>
<td>4”</td>
<td>XD014 HDG</td>
<td>8</td>
<td>7/8</td>
</tr>
</tbody>
</table>

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