XJGD rigid/IMC expansion/deflection couplings

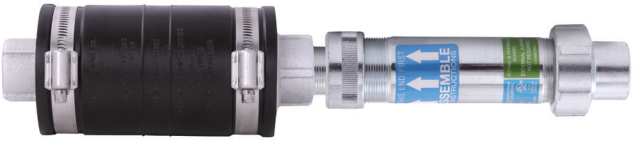
Applications:

XJGD combination expansion/deflection couplings are used with rigid metal conduit and IMC:

- To couple together two sections of conduit subject to longitudinal movement
- To accommodate axial expansion, angular misalignment and parallel misalignment
- Indoors or outdoors in long conduit runs to permit linear and axial movement caused by thermal expansion and contraction
- To maintain electrical continuity without the need for an external bonding jumper and clamps
- In conduit runs that cross structural joints
- In conduit runs to prevent damage to conduit supports such as in a building or on a bridge
- On long conduit runs to prevent conduit from buckling and ensuing conduit failures

Features:

- XJGD fittings are weatherproof and approved for use indoors or outdoors without an external bonding jumper
- Available in ½" through 4" trade sizes
- For use with rigid metal and IMC conduit
- Available in 4" maximum conduit movement
- XJGD couplings include XD couplings, which accommodate the following movements without collapsing or fracturing the conduit, and damaging the wires it contains:
  1. Axial expansion or contraction up to ¾"
  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 ¾"
- XD component includes inner sleeve which provides a smooth insulated wireway for protection of wire insulation
- XD component contains a watertight flexible neoprene outer jacket which is corrosion-resistant and protects the grounding strap and the attachment points of the hubs
- XD component includes stainless steel jacket clamps for strength and corrosion resistance
- XJG component includes internal bonding springs and metallic bushings to create high integrity internal ground connection and eliminate need for external bonding jumpers and clamps (up to 4" trade size)



Features (continued):

- Optional redundant tinned copper flexible braid bonding jumpers assure continuity (BJ Series – ordered separately)
- UL Listed for use in wet locations
- NPT threads fit standard rigid conduit
- Patented design

Standard materials and finishes:

Body

- Steel – electrogalvanized

Reducer & gland nut

- ½" through 1": steel – electrogalvanized
- 1¼" through 4": *Feraloy*® iron alloy – hot dip galvanized

Hubs

- *Feraloy*® iron alloy – hot dip galvanized

Packing:

- PTFE composite

Gasket:

- Vellum

Ground springs:

- Phosphor bronze – electrogalvanized

XD component outer jacket:

- Molded neoprene – natural (black)

XD jacket clamps:

- Stainless steel – natural

XD inner sleeve:

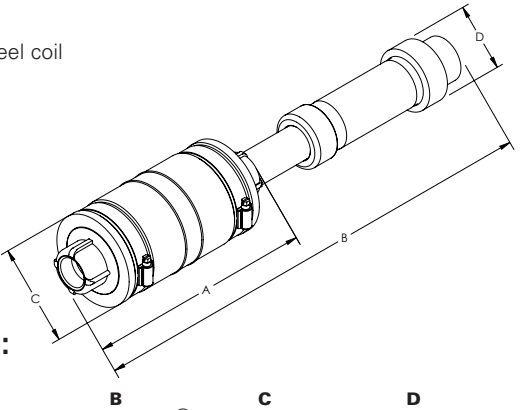
- Neoprene polyester fabric with steel coil

Bonding strap:

- Braided tinned copper

Certifications and compliances:

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



Dimensions (in inches):

Conduit size	Cat. #	A Length.	B Length Ⓖ	C Dia.	D Dia.
1"	**XJGD34**	8.63"	16.26"	3.63"	2.43"
1¼"	**XJGD44**	8.75"	16.54"	3.96"	3.12"
1½"	**XJGD54**	8.78"	16.83"	4.19"	3.62"
2"	**XJGD64**	9.16"	19.31"	4.63"	4.38"
2½"	**XJGD74**	9.53"	19.80"	5.69"	4.87"
3"	**XJGD84**	10.13"	20.47"	5.72"	5.37"
3½"	**XJGD94**	10.81"	21.00"	6.22"	6.62"
4"	**XJGD104**	11.88"	21.97"	6.75"	6.62"

Ⓖ(B) Length in fully retracted position, add 2" for mid-point length.

