

XJG-EMT Conduit Expansion Joints With Internal Grounding For EMT Conduit

Application:

XJG expansion couplings are used with EMT Conduit:

- **without** the need for an external bonding jumper and clamps
- to couple together two (2) sections of conduit subject to longitudinal movement
- in long conduit runs to permit linear movement caused by thermal expansion and contraction.
- on long conduit runs to prevent conduit from buckling and ensuing circuit failures
- indoors or outdoors where conduit expansion occurs and there are wide temperature ranges
- 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
- **with optional redundant visible grounding strap**

Standard Materials and Finishes

Body

- Steel-electrogalvanized
- Copper-free aluminum - natural

Reducer

- 1/2" through 1" - Steel - electrogalvanized
- 1 1/4" through 4" - *Feraloy*® iron alloy - electrogalvanized and aluminum paint

Gland Nut

- 1/2" through 1" - Steel - electrogalvanized
- 1 1/4" through 4" - *Feraloy*® iron alloy - electrogalvanized and aluminum paint

Packing

- Teflon® (trademark of E.I. DuPont Co.)

Washer

- Steel - electrogalvanized

Gasket

- Vellum

Bushing

- 1/2" through 1" - Steel - electrogalvanized
- 1 1/4" through 4" - *Feraloy*® iron alloy - electrogalvanized and aluminum paint

Ground Springs

- Phosphor bronze - electrogalvanized

Ground Strap

- Braided tinned copper

U-Bolts

- Malleable iron - electrogalvanized

Options:

Available with redundant† ground strap for visible indication of grounding – order separately (BJ Series)

Size Ranges:

- 1/2" through 4" conduit size
- 4" maximum conduit movement

Certifications and Compliances:

- UL Standard: 514B
- CSA Standard: C22.2 No. 18
- NEC Articles 250-77 and 300-7 (b)
- NEMA FB1

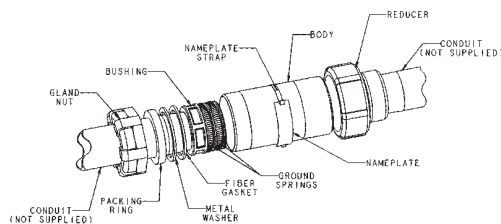


XJG-EMT – for use with EMT conduit

Conduit Size	Maximum Conduit Movement	Catalog Number	Optional Bonding Jumper	A Diameter	B Length
1/2"	4"	XJG14-EMT	BJ14	1 3/4"	10 3/4"
3/4"	4"	XJG24-EMT	BJ24	2 1/8"	11"
1"	4"	XJG34-EMT	BJ34	2 7/16"	11 1/2"
1 1/4"	4"	XJG44-EMT	BJ44	3 1/8"	15 1/4"
1 1/2"	4"	XJG54-EMT	BJ54	3 5/8"	15 1/2"
2"	4"	XJG64-EMT	BJ64	4 3/4"	15 1/2"
2 1/2"	4"	XJG74-EMT	BJ74	4 7/8"	18 3/4"
3"	4"	XJG84-EMT	BJ84	5 3/8"	19 7/8"
3 1/2"	4"	XJG94-EMT	BJ94	6 5/8"	21 1/4"
4"	4"	XJG104-EMT	BJ104	6 5/8"	21 1/4"



XJG shown with optional bonding jumper



* Teflon® is a registered trademark of E.I. DuPont Co.

† XJG expansion couplings use a metallic bushing and ground springs to create a high integrity internal ground connection. External ground straps offer a redundant ground path and easy visible indication of ground