

XJG Rigid/IMC Expansion Couplings

Applications:

XJG Expansion Couplings are used with rigid metal conduit and IMC:

- To couple together two sections of conduit subject to longitudinal movement
- In conduit runs to prevent damage to conduit supports such as in a building or on a bridge
- Indoors or outdoors in long conduit runs to permit linear movement caused by thermal expansion and contraction
- In conduit runs that cross structural joints
- On long conduit runs to prevent conduit from buckling and ensuing circuit failures

Features:

- Weatherproof and approved for use indoors or outdoors without an external bonding jumper
- Available in 1/2" through 6" trade sizes
- For use with rigid metal and IMC conduit
- Available in 4" and 8" maximum conduit movement
- Internal bonding springs and metallic bushings create high integrity internal ground connection and eliminate need for external bonding jumpers and clamps (up to 4" trade size)
- Optional redundant tinned copper bonding jumpers (BJ Series – ordered separately)
- UL Listed for use in wet locations
- Patented design

Certifications and Compliances:

- UL Standard 514B
- CSA 22.2 No. 18 3-12
- NEMA FB1
- Wet locations
- Third party certified as an effective grounding means (i.e. the path to ground is permanent and continuous), for two sections of conduit subject to expansion or contraction

Options:

- | Description | Suffix |
|--|---------------------------|
| • Available in copper-free aluminum (not available on 5" and 6" sizes)..... | SA |
| • Hot dip galvanized | HDG |
| • Available with redundant bonding jumper for visible indication of bonding (BJ Series)† | (Order Separately) |



Standard Materials and Finishes:

Body

- Steel – electrogalvanized
- Copper-free aluminum – natural
- *Feraloy*® iron alloy – electrogalvanized (5" and 6" only)

Reducer & Gland Nut

- 1/2" through 1": steel – electrogalvanized
- 1 1/4" through 6": *Feraloy* iron alloy – electrogalvanized and aluminum paint
- Copper-free aluminum – natural

Packing

- PTFE composite

Washer & Bushing

- Steel – electrogalvanized

Gasket

- Vellum

Ground Springs

- Phosphor bronze – electrogalvanized

Ground Strap

- Braided tinned copper

U-bolts

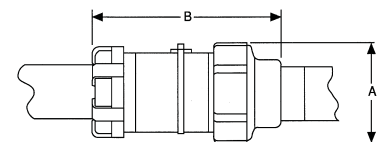
- Malleable iron – electrogalvanized



XJG Shown with Optional Bonding Jumper

Bonding jumper width: 0.188";
height: 0.875"

Dimensions (in Inches):



Conduit Size	Max. Conduit Movement	Cat. #	Cat. # Aluminum	Optional Bonding Jumper†	A Dia.	B Length	Bonding Jumper Length
1/2"	4	XJG14	XJG14 SA	BJ14	1.75	6.75	20"
	8	XJG18	XJG18 SA	BJ18	1.75	10.75	30"
3/4"	4	XJG24	XJG24 SA	BJ24	2.12	6.75	20"
	8	XJG28	XJG28 SA	BJ28	2.12	10.75	30"
1"	4	XJG34	XJG34 SA	BJ34	2.43	7.25	20"
	8	XJG38	XJG38 SA	BJ38	2.43	11.25	30"
1 1/4"	4	XJG44		BJ44	3.19	7.56	24"
	8	XJG48		BJ48	3.19	11.56	30"
1 1/2"	4	XJG54	XJG54 SA	BJ54	3.68	7.87	24"
	8	XJG58	XJG58 SA	BJ58	3.68	11.87	30"
2"	4	XJG64	XJG64 SA	BJ64	4.75	8.25	24"
	8	XJG68	XJG68 SA	BJ68	4.75	12.25	30"
2 1/2"	4	XJG74		BJ74	4.87	9.31	24"
	8	XJG78		BJ78	4.87	13.31	36"
3"	4	XJG84	XJG84 SA	BJ84	5.37	10.00	30"
	8	XJG88	XJG88 SA	BJ88	5.37	14.00	36"
3 1/2"	4	XJG94		BJ94	6.62	9.81	30"
	8	XJG98		BJ98	6.62	13.81	36"
4"	4	XJG104	XJG104 SA	BJ104	6.62	9.81	30"
	8	XJG108	XJG108 SA	BJ108	6.62	13.81	36"
5"	8	XJ128‡		-	7.64	15.50	-
6"	8	XJ148‡		-	9.56	16.00	-

†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.

‡XJ128 and XJ148 are not internally grounded. A pair of 36" bonding jumpers are provided with fitting.