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PRODUCT BROCHURE

# **T&B<sup>®</sup> Fittings XJG conduit expansion couplings for rigid conduit and EMT**

Easy installation saves time and money



# T&B® Fittings XJG conduit expansion couplings for rigid conduit and EMT

## Just a few turns and you're done

Whenever you install a rigid expansion coupling in a long conduit run, you normally need three hands, two strong backs and lots of patience. Now you can relax. With the no-hassle XJG conduit expansion coupling, installation is just a few turns and you're done. The T&B Fittings XJG conduit expansion coupling features innovations that provide conveniences to the installer, saving time and money on the job. There's no disassembly needed during the installation, requiring fewer tools and less opportunities for lost pieces.

### Innovative design makes installations easier

- No disassembly necessary to install
- Fast, simple and requires fewer steps
- True internal bonding jumper – no external grounding strap required
- Tamper-proof internal jumper protected from the environment
- Exceeds code requirements for long conduit runs to permit linear movement

### No external bonding jumper required

The XJG conduit expansion coupling also packs an added punch: It features a true internal bonding jumper. This eliminates the need for additional external bonding jumpers, so there are fewer parts to buy and install.

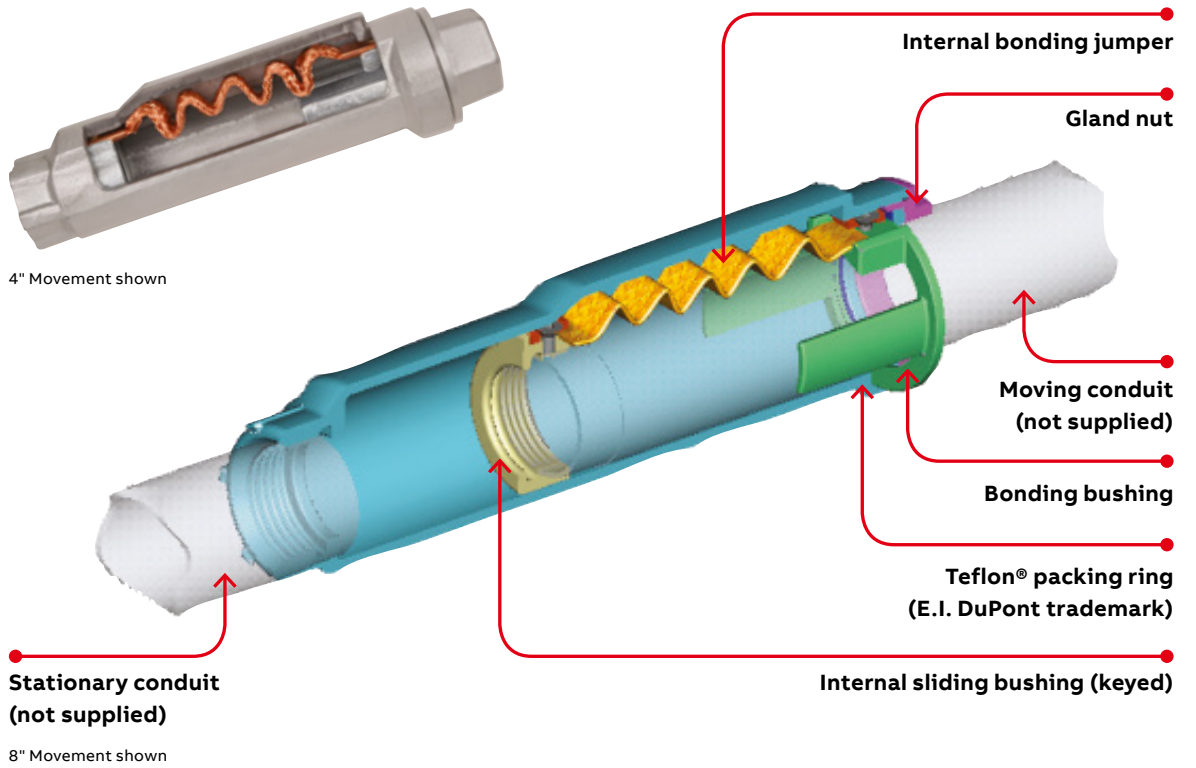
If you need a fitting that can give and take without a lot of hassle, reach for the XJG conduit expansion coupling. It's the latest breakthrough in the industry's leading line of conduit fittings. Contact your local representative for more information regarding the XJG conduit expansion coupling and the complete line of conduit fittings from the name you trust for quality design and manufacturing, ABB.



XJG24-TB



XJG24-EMT



— 01 Slide the fitting onto the conduit until it stops at the internal sliding bushing. Tighten and you're ready. No parts to reassemble!

— 02 With a wrench, tighten the gland nut to compress the Teflon® packing, creating a rain-tight seal around the conduit.

— 03 Thread the next length of conduit into the other end of the fitting and tighten. You're done!



— 01



— 02



— 03



## Expansion fittings for rigid steel or intermediate metal conduit

### Suggested specifications

Where raceways require expansion fittings to compensate for thermal expansion and contraction and where expansion fittings and telescoping sections of metal raceway shall be made electrically continuous by bonding jumpers or other means:

- Fitting will be constructed from cast iron with exterior and interior zinc plating for corrosion protection
- The fitting shall be constructed so that disassembly is not required during installation
- Fitting shall be raintight after installation\*
- The fitting shall have an internal bonding jumper constructed of a copper braid, sized to meet UL fault current test requirements and comply with bonding requirements – NEC® article 250.98
- External bonding jumper shall not be required to comply with NEC requirements
- Accepted manufacturers: ABB – XJG-TB Series

### Standard materials/finish

- Body
  - Malleable or ductile iron, available PVC coated
- Internal bonding jumper
  - Copper braid
- Exterior and interior finish
  - Zinc plating, aluminum acrylic paint
- Packing
  - PTFE/synthetic fiber material (Teflon® coated)

Test report available upon request.  
Teflon® is a trademark of DuPont.

### Listed/certified by:

- UL
  - File E23018, Std. 514B, suitable for wet locations\*
- CSA
  - Std. C22.2 No. 18

\*Rigid conduit fitting only

T&B® Fittings XJG expansion coupling for rigid conduit



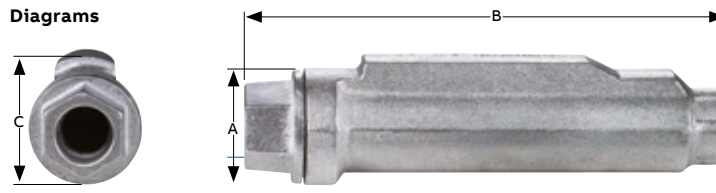
Cat. no.	Size (in.)	Movement (in.)	A Diameter (in.)	B Length (in.)	C Height (in.)
XJG24-TB	¾	4	2.43	10.00	2.75
XJG28-TB	¾	8	2.43	14.00	2.75
XJG34-TB	1	4	2.67	10.00	2.99
XJG38-TB	1	8	2.67	14.00	2.99
XJG44-TB	1¼	4	3.36	10.56	3.68
XJG48-TB	1¼	8	3.36	14.56	3.68
XJG54-TB	1½	4	3.36	10.56	3.68
XJG58-TB	1½	8	3.36	14.56	3.68
XJG64-TB	2	4	3.86	11.25	4.18
XJG68-TB	2	8	3.86	15.25	4.18
XJG74-TB	2½	4	4.96	12.12	5.25
XJG78-TB	2½	8	4.96	16.12	5.25
XJG84-TB	3	4	4.96	12.12	5.25
XJG88-TB	3	8	4.96	16.12	5.25
XJG94-TB	3½	4	6.37	12.87	6.75
XJG98-TB	3½	8	6.37	16.87	6.75
XJG104-TB	4	4	6.37	12.87	6.75
XJG108-TB	4	8	6.37	16.87	6.75
XJG1208-TB	5	8	7.99	18.87	8.56

T&B® Fittings XJG-EMT conduit expansion coupling for EMT



Cat. no.	Size (in.)	Movement (in.)	Length (in.)	Height (in.)
XJG24-EMT	¾	4	17.39	2.75
XJG28-EMT	¾	8	21.39	2.75
XJG34-EMT	1	4	17.42	2.99
XJG38-EMT	1	8	21.42	2.99
XJG44-EMT	1¼	4	18.27	3.46
XJG48-EMT	1¼	8	22.27	3.46
XJG54-EMT	1½	4	18.69	3.68
XJG58-EMT	1½	8	22.69	3.68
XJG64-EMT	2	4	19.04	4.18
XJG68-EMT	2	8	23.04	4.18
XJG74-EMT	2½	4	23.23	4.52
XJG78-EMT	2½	8	27.23	4.52
XJG84-EMT	3	4	24.09	5.25
XJG88-EMT	3	8	28.09	5.25
XJG94-EMT	3½	4	28.70	6.00
XJG98-EMT	3½	8	28.70	6.00
XJG104-EMT	4	4	29.30	6.75
XJG108-EMT	4	8	29.30	6.75

### Diagrams



Please consult Technical Services for special orders and availability of products not shown in this list.

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