

PRODUCT BROCHURE

T&B[®] Fittings XD expansion/deflection coupling for rigid conduit and EMT



A better solution for expansion/deflection coupling of rigid metal conduit

Use the ABB XD expansion/deflection coupling to join two conduit runs in applications where movement in any direction is required. The coupling provides a flexible, watertight connection, accommodating axial or parallel movement of up to 3/4" and angular movement of up to 30° from normal position.

While similar fittings exist on the market today, this XD expansion/deflection coupling ships complete with an Erickson® type conduit union to significantly reduce installation time and effort. It also includes a stainless steel inner sleeve for extreme durability, protection and easier wire pulling. The hubs are zinc-plated and coated with aluminum acrylic paint for dual-layer corrosion protection. In addition, the copper ground mounting plates and internal grounding bonding jumper are entirely enclosed inside the coupling for added security against vandalism and theft.

Features:

- Accommodates axial expansion/contraction up to 3/4", parallel deflection up to 3/4" and angular misalignment up to 30°
- Suitable for use indoors, outdoors, direct buried or embedded in concrete
- Watertight, flexible neoprene outer jacket, zinc-plated and acrylic-painted hubs and stainless steel tamper-proof straps ensure superior corrosion resistance—ideal for use in harsh environments
- Copper ground mounting plates and internal grounding bonding jumper both entirely enclosed to safeguard against theft
- Includes an Erickson type conduit union for faster, easier installation to reduce labor costs
- Durable stainless steel inner sleeve provides a constant, smooth inner diameter in any position to ease wire pulling and protect wire insulation from damage
- NPT threaded hubs fit standard threaded rigid metal conduit
- Can also be used with rigid PVC conduit with the use of standard adapters (not supplied)

Standard materials/finishes:

- Hub
 - Cast iron, zinc-plated and painted with aluminum acrylic paint
- Inner sleeve
 - Stainless steel
- Internal grounding bonding jumper
 - Flexible copper braid
- Ground mounting plates
 - Copper
- Hub rings
 - Zinc-plated steel
- Outer jacket
 - Molded elastomer (natural black)
- Jacket straps
 - Stainless steel



Why choose the T&B Fittings expansion/deflection coupling?

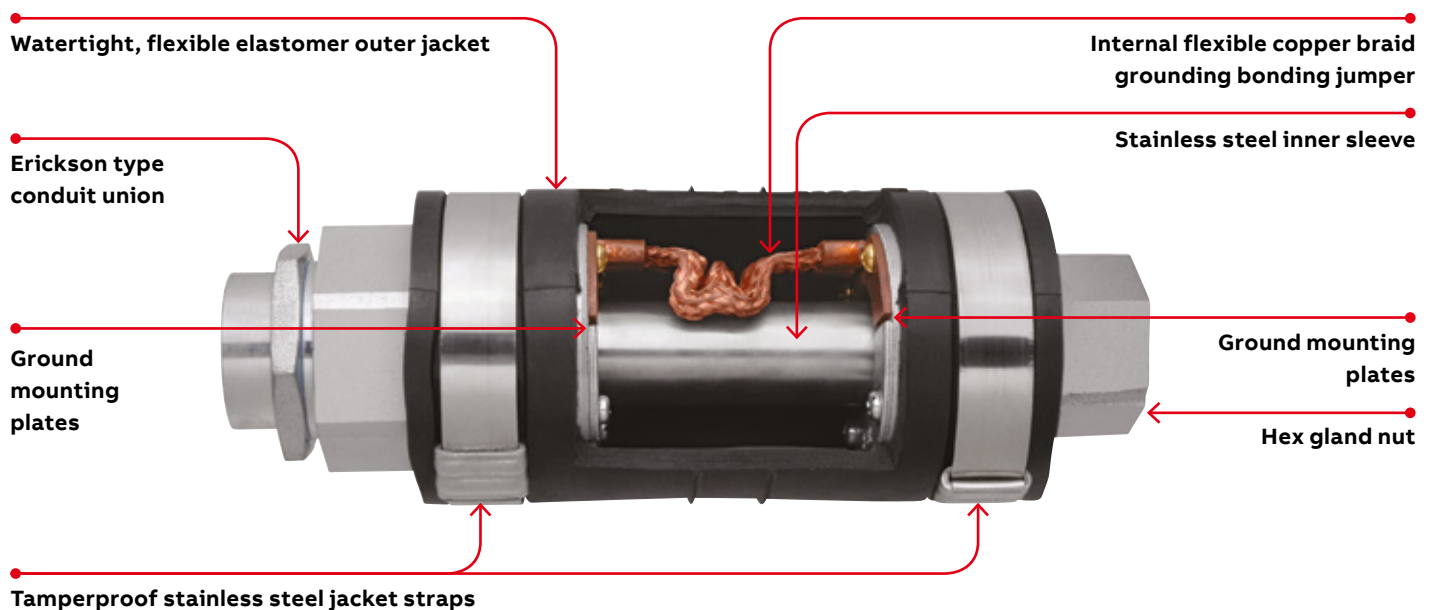
- Erickson type conduit union
 - Included union significantly speeds up installation, reducing your labor costs.
- Stainless steel inner sleeve
 - Stronger and more durable than plastic tubes or corrugated hose and better able to withstand friction from pulling ropes. Provides a smooth transition to ease wire pulling and reduce chance of damage to wire insulation.
- Enclosed copper ground mounting plates
 - Totally enclosed and secured with tamper-proof stainless steel jacket straps for protection against vandalism and theft.
- Dual-layer corrosion-protected hubs
 - Zinc-plated and coated with aluminum acrylic paint for extra corrosion resistance.

Typical applications:

- Bridges
- Tunnels
- Inter-building walkways
- Docks and piers
- Wastewater and water treatment facilities
- Any other application in which conduit runs are subject to movement due to external forces or temperature changes

Certifications/compliances:

- UL listed to UL 514B and CSA certified to C22.2 No. 18 suitable for wet locations (hub sizes 1"–2½")
- Watertight
- NEC Article 250.98 compliant



XD expansion/deflection coupling for rigid conduit



Cat. no.	Hub size (in.)	Dimensions (in.)				Std. pkg. qty.	UPC no.
		A	B	C	D		
XD3-TB	1	9 ¹³ / ₁₆	8 ¹ / ₃₂	6 ⁷ / ₁₆	3 ¹¹ / ₃₂	1	786209-89405
XD4-TB	1 ¹ / ₄	9 ³ / ₁₆	8 ³ / ₁₆	6 ⁷ / ₁₆	3 ⁷ / ₁₆	1	786209-89414
XD5-TB	1 ¹ / ₂	9 ³ / ₄	8 ⁷ / ₃₂	6 ³ / ₄	4 ⁵ / ₃₂	1	786209-89415
XD6-TB	2	9 ³ / ₄	8 ²¹ / ₃₂	7 ¹ / ₄	4 ¹¹ / ₁₆	1	786209-89416
XD7-TB	2 ¹ / ₂	11 ³ / ₄	11 ³ / ₁₆	8 ¹ / ₂	4 ⁷ / ₁₆	1	786209-89417
XD8-TB	3	10 ¹ / ₂	9 ²¹ / ₃₂	7 ²¹ / ₃₂	5 ¹ / ₁₆	1	786209-89418
XD9-TB	3 ¹ / ₂	10 ⁹ / ₁₆	9 ³ / ₄	7 ³ / ₄	6 ⁵ / ₁₆	1	786209-89419
XD010-TB	4	13 ³ / ₁₆	11 ²⁷ / ₃₂	8 ⁷ / ₁₆	7 ⁹ / ₃₂	1	786209-89420
XD012-TB	5	14	12 ¹⁵ / ₁₆	11	8 ⁹ / ₃₂	1	786209-89421
XD014-TB	6	14 ³ / ₁₆	13 ³ / ₁₆	11 ³ / ₁₆	9 ¹⁹ / ₃₂	1	786209-89422

Diagrams

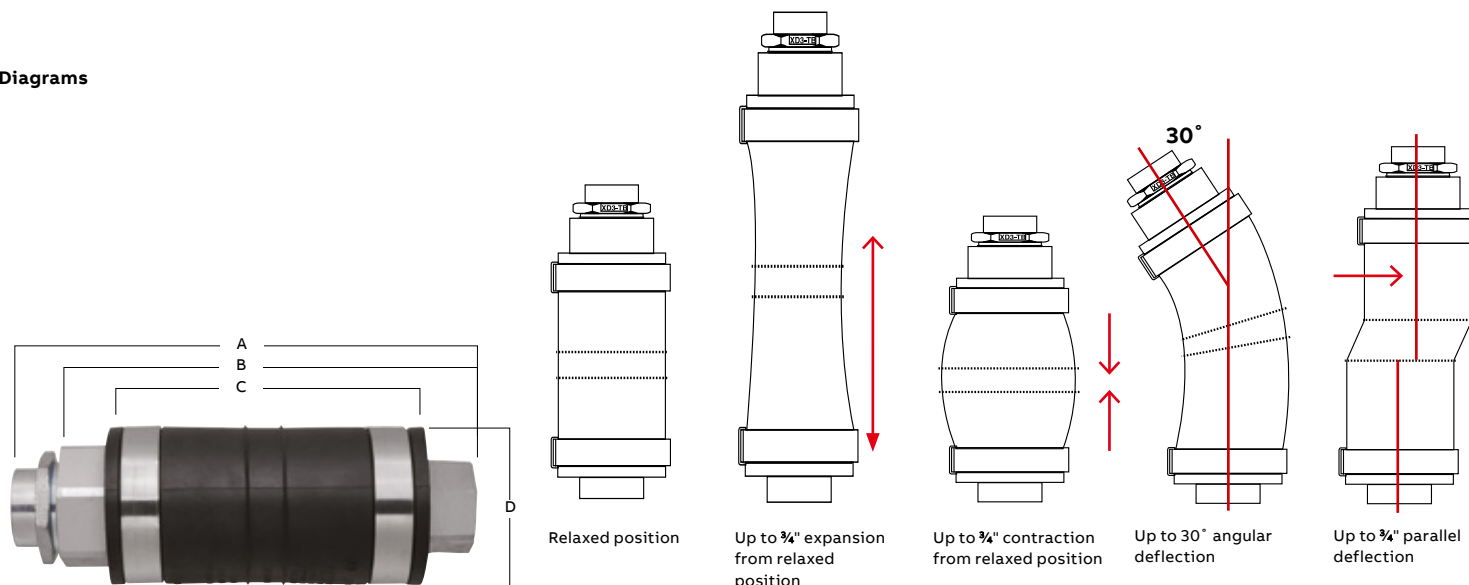


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