
PRODUCT SHEET

Carlton[®] non-metallic expansion/deflection coupling



Carlton® non-metallic expansion/deflection coupling

Innovative design improves safety and saves labor time.



Axial expansion from relaxed position



Axial contraction from relaxed position



Parallel deflection



Angular deflection

Use the Carlton non-metallic expansion/deflection coupling to join two rigid PVC conduit runs in applications requiring movement in any direction at structural joints. It provides a flexible connection, safely accommodating axial or parallel deflection of up to 3/4" and angular deflection of up to 30° from relaxed position.

This coupling meets the requirements of 2014 National Electrical Code (NEC) Article 300.4(H) for use where a raceway crosses a structural joint intended for expansion, contraction or deflection in buildings, bridges, parking garages and similar structures.

- Suitable for use indoors, outdoors, direct burial or embedded in concrete in bridges, piers, parking garages, overhead walkways, hospitals and other buildings
- Flexible neoprene outer jacket with tamper-proof stainless steel straps ensures superior protection and corrosion resistance suitable for wet locations

- Inner sleeve provides a constant, smooth inner diameter in any position to ease wire pulling and prevent wire insulation damage
- Up to five times faster to install than the traditional method
- Up to 5-to-1 SKU reduction
- Can be used with Schedule 40 and Schedule 80 rigid PVC conduit
- UV resistant
- Patent pending

Listings/compliances

- cULus listed
- CSA certified to CSA C22.2 No. 85
- 2014 NEC Article 300.4(H) compliant

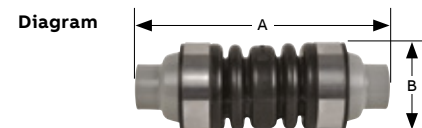
Materials/finishes

- Coupling ends: smooth gray PVC
- Inner sleeve: smooth gray PVC
- Outer jacket: natural black molded neoprene
- Jacket straps: stainless steel

Carlton non-metallic expansion/deflection coupling



Cat. no.	Trade size (in.)	Dimension A (in.)	Dimension B (in.)	UPC no.
XD1NM	1/2	7.28	2.40	034481-02041
XD2NM	3/4	7.36	2.66	034481-02043
XD3NM	1	7.66	2.96	034481-02042
XD5NM	1 1/2	8.26	3.60	034481-02044
XD6NM	2	9.14	4.34	034481-02045
XD7NM	2 1/2	10.75	5.15	034481-02046
XD8NM	3	11.36	5.60	034481-02047
XD10NM	4	12.25	7.17	034481-02048



*Add 0.25" to O.D. clearance for strap buckle

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