

45° Elbow, Galvanized Rigid Conduit (GRC)



Submittal Sheet - Representative Materials Company

Overview

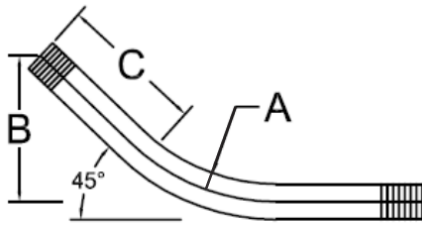
Rigid conduit elbows are specifically designed to provide a smooth and gradual change in direction for the conduit. They come in various angles, such as 90 degrees (right angle), 45 degrees, and other custom angles, allowing electricians to navigate around obstacles, make turns, stub-ups or bring conduit runs to different heights. Rigid Steel Conduit Elbow is manufactured from prime conduit shell with high-strength in accordance with the latest specifications and standard of ANSI C80.1(UL6). The interior and exterior surface of elbows are free from defect with a smooth welded seam, and are thoroughly and evenly coated with zinc using hot dip galvanizing process.

Consistent Quality

- Made from high-quality flat rolled steel utilizing high production tube mills utilizing the electric resistance welding method.
- Uniform galvanized protection and smoothness on the interior and exterior coatings.
- The inside surface is obstruction free and smooth to reduce friction between conduit wall and wire.
- Manufactured for long life – durable and strong.
- Threads are galvanized after cutting.
- No flaking or chipping when subjected to extreme stress.

Listings

- Underwriters Laboratories Standard for rigid conduit elbows (UL6) file # E531580
- American National Standards Institute (ANSI® C80.1)
- National Electric Code® Article 344
- Additional information can be found in the Underwriters Laboratories Inc., General information for Electrical Equipment Directory. The UL product category for Rigid is DYIX.



Locations

- RMC's rigid conduit elbows meet the requirements of National Electrical Code Article 344 for use in indoor and outdoor locations and in wet and dry locations, including Class 1 Division 1 Hazardous Locations.
- Rigid conduit provides exceptional physical protection, reduces exposure to EMF and shields against electromagnetic interference.

Lower Life-Cycle Costs

- Hot dipped galvanized coating provides enhanced corrosion protection
- Physical and mechanical properties ensure that the pipe has an extended life cycle.
- Resists cracking, flaking, peeling, impact, and damage from severe bending.
- Impact-resistant and non-combustible.
- 100% Recyclable.

Dimension and Weight Chart and Packing Schedule (GRC)

45° RIGID CONDUIT (GRC) STANDARD RADIUS ELBOWS								
ITEM #	UPC	SIZE	MIN. UL RADIUS "A"	OFFSET "B"	STRAIGHT LENGTH "C"	WEIGHT/100PCS	PCS/CARTON	WEIGHT/CARTON
			in.	in.	in.	lbs.		lbs.
RMCEL0545	00810138702314	1/2"	4	2.52	1.87	47	50	24
RMCEL0745	00810138702369	3/4"	4.5	2.83	2.1	70	50	35
RMCEL1045	00810138702413	1"	5.75	3.31	2.26	121	35	42
RMCEL1245	00810138702468	1-1/4"	7.25	4.09	2.75	204	30	61
RMCEL1545	00810138702512	1-1/2"	8.25	4.72	3.25	284	15	43
RMCEL2045	00810138702567	2"	9.5	5.6	4.3	448	15	67
RMCEL2545	00810138702611	2-1/2"	11	6.3	5.11	808	50	404
RMCEL3045	00810138702666	3"	13	8	6.14	1362	40	545
RMCEL3545	00810138702710	3-1/2"	15	9.4	6.73	1903	35	666
RMCEL4045	00810138702765	4"	16	10.28	7.09	2430	35	851
RMCEL5045	00810138702819	5"	24	14.84	11.06	4777	BULK	1,194
RMCEL6045	00810138702864	6"	30	17.8	12.72	7509	BULK	1,877

Sizes 2-1/2" and larger shipped in palletized cartons or bulk, with thread protectors on each end. Radius A is the minimum per UL6. Dimensions B and C are reference dimensions.

Submittal Information

Company Name	Phone	Date
Address	Project Name	Project Date
City	Project City	Comments
State & Zip	Project State	

