

# 45° Special Radius Elbow, Galvanized Rigid Conduit (GRC)



Submittal Sheet - Representative Materials Company

## Overview

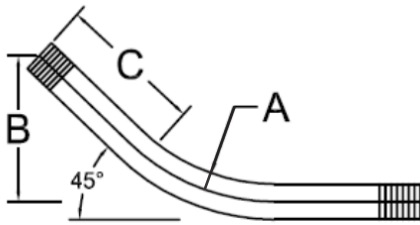
Rigid conduit elbows are specifically designed to provide a smooth and gradual change in direction for the conduit. They come in various angles, such as 90 degrees (right angle), 45 degrees, and other custom angles, allowing electricians to navigate around obstacles, make turns, stub-ups or bring conduit 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 (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 meets 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) SPECIAL 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.
RMCSW104518	00810138702888	1" X 45° X 18"	18	12.5	11	514	-	-
RMCSW124518	00810138702994	1-1/4" X 45° X 18"	18	12.5	11	696	-	-
RMCSW154518	00810138703106	1-1/2" X 45° X 18"	18	12.5	11	840	-	-
RMCSW204518	00810138703212	2" X 45° X 18"	24	12.5	11	1118	108	1,207
RMCSW104524	00810138702895	1" X 45° X 24"	24	14.84	11	582	-	-
RMCSW124524	00810138703007	1-1/4" X 45° X 24"	24	14.84	11	788	-	-
RMCSW154524	00810138703113	1-1/2" X 45° X 24"	24	14.84	11	950	-	-
RMCSW204524	00810138703229	2" X 45° X 24"	24	14.84	11	1184	108	1,279
RMCSW254524	00810138703304	2-1/2" X 45° X 24"	24	14.84	11	1882	70	1,317
RMCSW304524	00810138703366	3" X 45° X 24"	24	14.84	11	2458	48	1,180
RMCSW354524	00810138703847	3-1/2" X 45° X 24"	24	14.84	11	2992	40	1,197
RMCSW404524	00810138703427	4" X 45° X 24"	24	14.84	11	3502	40	1,401
RMCSW104536	00810138702918	1" X 45° X 36"	36	18.35	11	704	-	-
RMCSW124536	00810138703021	1-1/4" X 45° X 36"	36	18.35	11	953	-	-
RMCSW154536	00810138703137	1-1/2" X 45° X 36"	36	18.35	11	1149	-	-
RMCSW204536	00810138703236	2" X 45° X 36"	36	18.35	11	1458	108	1,575
RMCSW254536	00810138703311	2-1/2" X 45° X 36"	36	18.35	11	2317	70	1,622
RMCSW304536	00810138703373	3" X 45° X 36"	36	18.35	11	3027	48	1,453

Sizes 2-1/2" and larger shipped in palletized cartons or bulk, with thread protectors on each end. Radius A is the minimum per UL797. Dimensions B and C are reference dimensions. All dimensions are approximate. All special radius elbows are noncancelable and nonreturnable.



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### Submittal Information

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