

# Rigid Metal Conduit (RMC) - Steel Elbows



**Rigid Metal Conduit (ERMC-S) Steel Elbows Conforms with:**

- ANSI – American National Standard for Electrical Rigid Steel Conduit (ERSC) ANSI, C80.1
- UL Standard for Electrical Rigid Metal Conduit – Steel, UL 6
- National Electrical Code® 2011 Article 344
- Federal Specification WW-C-581 (Class 1 Type A)
- ANSI/ASME B.1.20.1-1983, Standard for Pipe Threads, General Purpose (Inch)
- Rigid Metal Conduit Elbows are Hot-Dip Galvanized

- Permitted under all atmospheric conditions and occupancies
- Shall be permitted to be installed in concrete, in direct contact with the earth
- Permitted in areas of severe corrosive influences where protected by corrosion protection and judged suitable for the condition
- Permitted in or under cinder fill where subject to permanent moisture when protected on all sides by a layer of noncinder concrete not less than 2 in. (50 mm) thick or with corrosion protection judged suitable for the condition
- May be used with Aluminum fittings and enclosures

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**ISO Registration**

Quality Management System complies with the requirements of ISO 9001:2008



**Rigid Metal Conduit (RMC) Dimensions**

Trade Size	Metric Designator	Min. UL Radius A (in.)	Min. UL Length Section D (in.)	Outside Diameter <sup>1</sup>	Inside Diameter <sup>2</sup>	Wall <sup>2</sup>
1/2	16	4	1 1/2	0.840	0.632	0.104
3/4	21	4 1/2	1 1/2	1.050	0.836	0.107
1	27	5 3/4	1 7/8	1.315	1.063	0.126
1 1/4	35	7 1/4	2	1.660	1.394	0.133
1 1/2	41	8 1/4	2	1.900	1.624	0.138
2	53	9 1/2	2	2.375	2.083	0.146
2 1/2	63	10 1/2	3	2.875	2.489	0.193
3	78	13	3 1/8	3.500	3.090	0.205
3 1/2	91	15	3 1/4	4.000	3.570	0.215
4	103	16	3 3/8	4.500	4.050	0.225
5	129	24	3 5/8	5.563	5.073	0.245
6	155	30	3 3/4	6.625	6.093	0.266

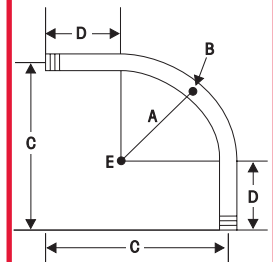
Notes: (1) outside diameter subject to UL 797 tolerances  
 (2) for informational only, not a UL 797 requirement

**Dimensions of Special Large Radius 90° Elbows**

Trade Size	1" - 2-1/2"	1" - 3"	1" - 4"	1" - 4"	1" - 5"	1" - 6"	1" - 6"	1" - 6"
When Radius "A" is	12"	15"	18"	24"	30"	36"	42"	48"
Offset "C" is	1'9"	2'0"	2'4"	2'11"	3'5"	3'11"	4'6"	5'0"
Straight End "D" is	9"	9"	10"	11"	11"	11"	12"	12"
Length Unbent is	3'0"	3'6"	4'0"	4'11"	5'9"	6'6"	7'6"	8'4"

**Measuring Special Radius Elbows:**

Locate center of Elbow B. Subtract straight section D from each end and find point E. Radius A is the distance between B and E. Offset C is measured as shown.



**LIMITED WARRANTY:**

Wheatland agrees to replace or allow credit, at its option, for material found to be defective within a reasonable time, but in no event more than one year after receipt by Buyer. Contact Wheatland for complete terms and conditions of the warranty.

Project: \_\_\_\_\_ Contractor: \_\_\_\_\_ Date: \_\_\_\_\_

Engineer: \_\_\_\_\_ Specification Reference: \_\_\_\_\_ System Type: \_\_\_\_\_

Locations: \_\_\_\_\_ Comments: \_\_\_\_\_



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Made in U.S.A.