USA - Galvanized Steel Rigid Conduit, Type RMC

Steel Rigid Metal Conduit is manufactured from mild steel tube. It has an accurate circular cross section, a uniform wall thickness, a defect free interior surface, and a continuous welded seam.

SPECIFICATIONS

Galvanized steel Rigid Metal Conduit (RMC) is manufactured in accordance with the latest specifications and standards of ANSI® C80.1, UL-6, and federal specification WW-C-581. The pitch of RMC threads conforms to the American National Standard for Pipe Threads, General Purpose (Inch), ANSI/ASME B1.20.1. The taper of threads is 3/4 inch per foot (1 in 16).

Catalog Number	Trade Size	Outside Diameter* inches	Outside Diameter* mm	Inside Diameter* inches	Inside Diameter* mm	Wall Thickness* inches	Wall Thickness* mm	Weight kg/m	VPE/Pack Lift/Unit	P/N EDP No.
GRC 1/2 WT	1/2"	0.840	21.34	0.632	16.05	0.104	2.64	1.241	750/3 m	112992
GRC 3/4 WT	3/4"	1.050	26.67	0.836	21.23	0.107	2.72	1.650	600/3 m	112993
GRC 1 WT	1"	1.315	33.40	1.063	27.00	0.126	3.20	2.436	375/3 m	112994
GRC 1-1/4 WT	1 1/4"	1.660	42.16	1.394	35.41	0.133	3.38	3.299	270/3 m	112995
GRC 1-1/2 WT	1 1/2"	1.900	48.26	1.624	41.25	0.138	3.51	3.980	240/3 m	112996
GRC 2 WT	2"	2.375	60.33	2.083	52.91	0.146	3.71	5.297	180/3 m	112997
GRC 2-1/2 WT	2 1/2"	2.875	73.03	2.489	63.22	0.193	4.90	8.460	111/3 m	112998
GRC 3 WT	3"	3.500	88.90	3.090	78.49	0.205	5.21	11.002	90/3 m	113000
GRC 3-1/2 WT	3 1/2"	4.000	101.60	3.570	90.68	0.215	5.46	13.317	75/3 m	113001
GRC 4 WT	4"	4.500	114.30	4.050	102.87	0.225	5.72	15.587	60/3 m	113002
GRC 5 WT	5"	5.563	141.30	5.073	128.85	0.245	6.22	21.187	45/3 m	113003
GRC 6 WT	6"	6.625	168.28	6.093	154.76	0.266	6.76	27.845	30/3 m	113004

* For information only, not a UL-6 requirement. Rigid Steel Conduit is manufactured to the lengths shown above, so when a straight-tapped coupling trade sizes 3 through 6 are UL Listed for use with directional boring equipment. The quantity per Lift conforms to the National Electrical Manufacturers Association Standards Publication RN-2 Packaging of Master Bundles for Steel Rigid Conduit, Intermediate Metal Conduit (IMC), and Electrical Metallic Tubing.

RMC: The Ultimate Protection

These listed steel RMC has the thickest wall of all the metallic raceways and is recognized by the industry as providing the most physical protection for conductors and cables. Steel conduit doesn't burn, contribute to smoke volume, emit potentially escapeinhibiting fire gases, or add to fuel load or flame spread. It also provides an excellent electrical path to ground and is recognized as an equipment grounding conductor by NFPA 70: National Electrical Code® 250.118 (2). Steel conduit was introduced in the early 1900's as a raceway system and is still the Ultimate Protection for cable and conductors today.

Applications: Galvanized Steel RMC can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations, when installed in accordance with National Electrical Code® (NEC®).

Coatings: The interior and exterior surfaces are thoroughly and evenly coated with zinc using the hot-dip galvanizing process, so that metal-to-metal contact and galvanic protection against corrosion are provided. A clear post-galvanizing coating provides further protection against corrosion, and a lubricating coating is applied to the interior surface to reduce friction during wire insertion.

Lengths: RMC is produced in traditional standard lengths of 10 feet, including the coupling. It is threaded on both ends, with a coupling applied to one end and a thread protector, industry color-coded by size, to the other. Recently introduced 20 ft. lengths; they are available in trade sizes 2" through 6".

Protection: RMC offers long-lasting value: provides exceptional physical protection, reduces exposure to EMF, shields against Electro-Magnetic Interference (EMI) and provides an excellent electrical path to ground.

Green: The steel used to produce these RMC contains recycled steel and is virtually totally recyclable. Steel is the most recycled material in the world, but the recycling may not take place for decades, since the service life of steel conduit is very long. Conductors can easily be removed and new conductors inserted; additional circuits may be added in the same conduit.

Thread Protectors: These RMC is threaded on both ends, with a coupling applied to one end and a thread protector, industry color-coded by size, to the other.
Black: ½", 1 ½", 2 ½", and 3 ½"
Red: ¾", 1 ¼"
Blue: 1", 2", 3", 4", 5" and 6"

Protects Against EMF/EMI: Steel RMC reduces exposure to EMF and shields against Electro-Magnetic Interference (EMI) at power frequencies which could impact computers and other sensitive electronic equipment and controls.

Provides Equipment Grounding: Steel RMC is approved for use by the NEC® as an equipment grounding conductor with its associated couplings and appropriate fittings.

Technical Data are Subject to Change without Notice. Dimensions in mm.