

Galvanized Rigid Conduit (GRC)

Submittal Sheet - Representative Materials Company



Overview

RMC's Galvanized Rigid Conduit (GRC) (UL6) has excellent protection, strength, and ductility for raceway systems. Our rigid conduit is manufactured from high strength hot-dipped galvanized steel and produced by the electrical resistance welding process which ensures continuous weld seams that that will not split or crack at the weld and are free from interior defects. Our precision threaded ends ensure fast assembly in the field.

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.
- Easy to bend, cut and thread on the job.

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)

| GALVANIZED RIGID CONDUIT (GRC) | | | | | | | | | | | | | | | | | |
|--------------------------------|------------|--------|-------------------------------|------|--------------------------|-------|------------------------|------|------------|--------------------|--------|-------------------|------|------|--------|-------------|-----|
| PART NUMBER | TRADE SIZE | | NOMINAL WT. PER 100FT (30.5M) | | NOMINAL OUTSIDE DIAMETER | | NOMINAL WALL THICKNESS | | COLOR TAPE | QUANTITY IN BUNDLE | | QUANTITY PER LIFT | | | | WEIGHT/LIFT | |
| | U.S. | Metric | Lbs. | Kg. | in. | mm. | in. | mm. | | Feet | Meters | PCS | BD's | Feet | Meters | Lbs. | Kg. |
| RMCC05 | 1/2 | 16 | 82 | 37.2 | 0.840 | 21.3 | 0.104 | 2.60 | Black | 100 | 30.5 | - | 25 | 2500 | 762 | 2050 | 930 |
| RMCC07 | 3/4 | 21 | 109 | 49.4 | 1.050 | 26.7 | 0.107 | 2.70 | Red | 50 | 15.2 | - | 40 | 2000 | 610 | 2178 | 988 |
| RMCC10 | 1 | 27 | 161 | 73.0 | 1.315 | 33.4 | 0.126 | 3.20 | Blue | 50 | 15.2 | - | 25 | 1250 | 381 | 2013 | 913 |
| RMCC12 | 1-1/4 | 35 | 218 | 98.9 | 1.660 | 42.2 | 0.133 | 3.40 | Red | - | - | 90 | - | 900 | 274 | 1962 | 890 |
| RMCC15 | 1-1/2 | 41 | 263 | 119 | 1.900 | 48.3 | 0.138 | 3.50 | Black | - | - | 80 | - | 800 | 244 | 2099 | 952 |
| RMCC20 | 2 | 53 | 350 | 159 | 2.375 | 60.3 | 0.146 | 3.70 | Blue | - | - | 60 | - | 600 | 183 | 2103 | 954 |
| RMCC25 | 2-1/2 | 63 | 559 | 254 | 2.875 | 73.0 | 0.193 | 4.90 | Black | - | - | 37 | - | 370 | 113 | 2072 | 940 |
| RMCC30 | 3 | 78 | 727 | 330 | 3.500 | 88.9 | 0.205 | 5.20 | Blue | - | - | 30 | - | 300 | 91 | 2183 | 990 |
| RMCC35 | 3-1/2 | 91 | 880 | 399 | 4.000 | 101.6 | 0.215 | 5.50 | Black | - | - | 25 | - | 250 | 76 | 2200 | 998 |
| RMCC40 | 4 | 103 | 1030 | 467 | 4.500 | 114.3 | 0.225 | 5.70 | Blue | - | - | 20 | - | 200 | 61 | 2059 | 934 |
| RMCC50 | 5 | 129 | 1400 | 635 | 5.563 | 141.3 | 0.245 | 6.20 | Blue | - | - | 15 | - | 150 | 46 | 2101 | 953 |
| RMCC60 | 6 | 155 | 1840 | 835 | 6.625 | 168.3 | 0.266 | 6.80 | Blue | - | - | 10 | - | 100 | 30 | 1841 | 835 |

Notes: 1. Applicable tolerances - Length: 10ft. ± 1/4". Outside Diameter: 1/2" ± 0.015"; 2 1/2"-4" ± 0.025"; 5"-6" ± 1"

Submittal Information

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

