

# Republic Conduit

## Spec Submittal Sheet

### Galvite® Electrical Rigid Metal Conduit-Steel (Galvite® ERMC-S or RIG)

Designed to offer superior protection, strength, safety and ductility for your most demanding wiring jobs, Republic Conduit's hot-dip galvanizing process ensures Galvite will last longer, provide thorough protection for your entire electrical raceway system, and deliver greater value for your installation dollar.

All Republic Conduit Galvite tubing is made from steel which is melted and rolled in the United States.

#### Specifications

Architects and engineers desiring to specify Galvite ERMC-S from Republic Conduit should include the following description:

Electrical conductors shall be enclosed in Galvite ERMC-S in accordance with the National Electrical Code (NEC). Rigid steel conduit shall be mild steel, manufactured, Hot-Dip Galvanized, and produced to the following specifications:

- UL Standard for Electrical Rigid Metal Conduit – Steel, UL 6, File # E104582
- National Electric Code, Article 344
- ANSI/NEMA Standard for Electrical Rigid Steel Conduit C80.1

| GRC (Electrical Rigid Metal Conduit-Steel) |        |                       |        |                              |        |             |              |               |       |       |       |                         |           |
|--|--------|-----------------------|--------|------------------------------|--------|-------------|--------------|---------------|-------|-------|-------|-------------------------|-----------|
| Trade Size Designator                      |        | Outside Diameter (OD) |        | Nominal Inside Diameter (ID) |        | Feet/Bundle | Bundles/Lift | Standard Lift |       |       |       | Length without Coupling | Cap Color |
| US   | Metric | IN                    | mm     | IN                           | mm     |             |              | Feet          | m     | Lbs   | kg    |                         |           |
| 1/2"                                       | 16     | 0.840                 | 21.34  | 0.622                        | 15.80  | 100         | 25           | 2,500         | 762.5 | 2,050 | 931.3 | 9' 11 1/4"              | BLACK     |
| 3/4"                                       | 21     | 1.050                 | 26.67  | 0.824                        | 20.93  | 50          | 40           | 2,000         | 610.0 | 2,180 | 990.4 | 9' 11 1/4"              | RED       |
| 1"   | 27     | 1.315                 | 33.4   | 1.049                        | 26.64  | 50          | 25           | 1,250         | 381.3 | 2,013 | 914.5 | 9' 11"                  | BLUE      |
| 1 1/4"                                     | 35     | 1.660                 | 42.16  | 1.380                        | 35.05  |             |              | 900           | 274.5 | 1,962 | 891.3 | 9' 11"                  | RED       |
| 1 1/2"                                     | 41     | 1.900                 | 48.26  | 1.610                        | 40.89  |             |              | 800           | 244.0 | 2,104 | 955.9 | 9' 11"                  | BLACK     |
| 2"   | 53     | 2.375                 | 60.33  | 2.067                        | 52.50  |             |              | 600           | 183.0 | 2,100 | 954.0 | 9' 11"                  | BLUE      |
| 2 1/2"                                     | 63     | 2.875                 | 73.03  | 2.469                        | 62.71  |             |              | 370           | 112.9 | 2,068 | 939.5 | 9' 10 1/2"              | BLACK     |
| 3"   | 78     | 3.500                 | 88.90  | 3.068                        | 77.93  |             |              | 300           | 91.5  | 2,181 | 990.8 | 9' 10 1/2"              | BLUE      |
| 3 1/2"                                     | 91     | 4.000                 | 101.6  | 3.548                        | 90.12  |             |              | 250           | 76.3  | 2,200 | 999.5 | 9' 10 1/4"              | BLACK     |
| 4"   | 103    | 4.500                 | 114.3  | 4.026                        | 102.26 |             |              | 200           | 61.0  | 2,060 | 935.9 | 9' 10 1/4"              | BLUE      |
| 5"   | 129    | 5.563                 | 141.3  | 5.047                        | 128.19 |             |              | 150           | 45.8  | 2,100 | 954.0 | 9' 10"                  | BLUE      |
| 6"   | 155    | 6.625                 | 168.28 | 6.065                        | 154.05 |             |              | 100           | 30.5  | 1,840 | 835.9 | 9' 10"                  | BLUE      |

#### Outside Diameter Tolerances

|                                  | in     | mm    |
|----------------------------------|--------|-------|
| For trade size through 2"        | ±0.015 | ±0.38 |
| For trade size 2 1/2" through 4" | ±0.025 | ±0.64 |
| For trade size 5" through 6"     | ±1%    |       |

- The values in feet / pound units are standard. The metric equivalents may be approximate. Conduit is always identified by its English or Metric Trade Size Designator.
- All dimensions and weights shown above are nominal.
- All sizes furnished in nominal 10' lengths when supplied with coupling.
- Applicable length tolerance = ±1/4" (±6.35mm) without a coupling.
- Republic's Galvite® ERMC-S is provided with a color coded thread protector on one end and a coupling on the other.