

# Republic Conduit

## Spec Submittal Sheet

### Intermediate Metal Conduit (IMC)

Republic Conduit's IMC is made from high-quality flat-rolled steel and produced using an electric resistance welding process followed by electro-galvanizing. The finished pipe is uniform in outside diameter size, wall thickness, and ductility. A great and lighter alternative to our heavier Galvite® Rigid Steel Conduit, Republic Conduit's IMC can be utilized to install a magnetically shielded and grounded electrical wiring system quickly and cost-effectively. Republic Conduit's IMC meets the same corrosion-resistance specifications as our heavier Galvite® (ERMC-S) while also providing more inside space for wiring.

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

### Specifications

Architects desiring to specify Republic Conduit IMC should include the following description:

Electrical conductors shall be enclosed in IMC in accordance with the National Electrical Code (NEC) and produced to the following specifications:

- UL Standards for Electrical Intermediate Metal Conduit – Steel, UL 1242, File # E79211
- National Electric Code, Article 342 and Article 345
- ANSI/NEMA Standard for Electrical Intermediate Steel Conduit C80.6

| IMC (Intermediate Metal Conduit) |        |                       |       |         |        |                |      |         |      |             |              |               |        |      |       |                         |           |
|----------------------------------|--------|-----------------------|-------|---------|--------|----------------|------|---------|------|-------------|--------------|---------------|--------|------|-------|-------------------------|-----------|
| Trade Size Designator            |        | Outside Diameter (OD) |       |         |        | Wall Thickness |      |         |      | Feet/Bundle | Bundles/Lift | Standard Lift |        |      |       | Length without coupling | Cap Color |
|                                  |        | Minimum               |       | Maximum |        | Minimum        |      | Maximum |      |             |              | Feet          | m      | Lbs  | kg    |                         |           |
| US                               | Metric | IN                    | mm    | IN      | mm     | IN             | mm   | IN      | mm   |             |              |               |        |      |       |                         |           |
| ½"                               | 16     | 0.810                 | 20.57 | 0.820   | 20.83  | 0.070          | 1.78 | 0.085   | 2.16 | 100         | 35           | 3500          | 1067.5 | 2170 | 984.1 | 9' 11 1/4"              | YELLOW    |
| ¾"                               | 21     | 1.024                 | 26.01 | 1.034   | 26.26  | 0.075          | 1.91 | 0.090   | 2.29 | 50          | 50           | 2500          | 752.5  | 2100 | 952.4 | 9' 11 1/4"              | GREEN     |
| 1"                               | 27     | 1.285                 | 32.64 | 1.295   | 32.89  | 0.085          | 2.16 | 0.100   | 2.54 | 50          | 34           | 1700          | 518.5  | 2023 | 917.5 | 9' 11"                  | ORANGE    |
| 1 ¼"                             | 35     | 1.630                 | 41.4  | 1.645   | 41.78  | 0.085          | 2.16 | 0.100   | 2.54 |             |              | 1350          | 411.8  | 2133 | 967.3 | 9' 11"                  | GREEN     |
| 1 ½"                             | 41     | 1.875                 | 47.63 | 1.890   | 48.01  | 0.090          | 2.29 | 0.105   | 2.67 |             |              | 1100          | 335.5  | 2134 | 967.8 | 9' 11"                  | YELLOW    |
| 2"                               | 53     | 2.352                 | 59.74 | 2.367   | 60.12  | 0.095          | 2.41 | 0.110   | 2.79 |             |              | 800           | 244    | 2048 | 928.8 | 9' 11"                  | ORANGE    |
| 2 ½"                             | 63     | 2.847                 | 72.31 | 2.867   | 72.82  | 0.140          | 3.56 | 0.160   | 4.06 |             |              | 370           | 112.9  | 1632 | 740.1 | 9' 10 1/2"              | YELLOW    |
| 3"                               | 78     | 3.466                 | 88.04 | 3.486   | 88.54  | 0.140          | 3.56 | 0.160   | 4.06 |             |              | 300           | 91.5   | 1629 | 738.8 | 9' 10 1/2"              | ORANGE    |
| 3 ½"                             | 91     | 3.961                 | 100.6 | 3.981   | 101.12 | 0.140          | 3.56 | 0.160   | 4.06 |             |              | 240           | 73.2   | 1510 | 684.8 | 9' 10 1/4"              | YELLOW    |
| 4"                               | 103    | 4.456                 | 113.2 | 4.476   | 113.69 | 0.140          | 3.56 | 0.160   | 4.06 |             |              | 240           | 73.2   | 1680 | 761.9 | 9' 10 1/4"              | ORANGE    |

- 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.
- 1/2", 3/4", and 1" sizes of Republic's IMC are furnished with diamond-knurled inside finish for easier wire pull/push.
- All sizes furnished in 10' lengths when supplied with coupling.
- Applicable length tolerance = ±1/4" (±6.35mm).

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