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									
US	Metric	IN	mm	IN	mm	IN	mm	IN	mm			Feet	m	Lbs	kg		
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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