

# RepublicConduit

## Intermediate Metal Conduit

---

### *Simplify Installation, Save Time, Spend Less*

As a cost effective alternative to Galvite® Electrical Rigid Metal Conduit-Steel, Republic Conduit's Intermediate Metal Conduit (IMC) is manufactured to American National Standards Institute (ANSI) specification C80.6 and Underwriters Laboratories (UL) standard 1242. It is made from high quality, flat rolled steel, and is produced using an Electric Resistance Welding process. The finished tube is uniform in outside diameter (OD), wall thickness and ductility.

Republic Conduit's IMC is fire resistant. It does not burn, decompose, or give off harmful smoke or gases in a fire. It is also compatible with concrete and overall, allows our customers to install a quality, magnetically shielded and grounded electrical wiring system quickly and cost-effectively.

Our products are also manufactured to the highest criteria of the American National Standards Institute (ANSI) and Underwriters Laboratories (UL).

Republic Conduit is committed to implementing effective quality management systems and processes. Our Georgia facility has maintained an ISO certification since 1995 and has been recertified in 2008. Also in 2008, the Kentucky facility has achieved its initial certification by successfully meeting the requirements for ISO 9001:2000.



### **Features and Benefits**

---

**Consistent Quality** – Republic Conduit's IMC is manufactured for long life and provides complete physical and mechanical protection for any electrical wiring job. For eighty years, Republic Conduit's products have been and are today manufactured to all of our customers' specifications.

**Cost-Effective** – IMC's thin walls allow for lower material and shipping costs, while its consistently accurate metallurgical properties and smooth surfaces require less installation capital spent on wiring projects. This pipe has an extended shelf life, great for usage or storage without degradation in quality.

**Easier, Faster Installs** – IMC's protective, slick, inside diameter (ID) coating (Silerslick®) reduces friction when pulling / pushing the wires. The outside diameter (OD) surfaces are zinc-coated for further corrosion protection (the entire finish stays hard and smooth in various climate conditions). An additional OD passivation treatment provides superior protection from rust.

**Trade sizes range from 1/2" to 4".**

**Conduit is manufactured in the U.S.**

A horizontal image of a silver metal conduit pipe with three electrical wires (red, blue, and white) protruding from the left end. The 'RepublicConduit' logo is printed in black on the side of the pipe.

RepublicConduit

## Available Sizes

Republic's IMC is provided with a color coded thread protector on one end and a coupling on the other.

Inventories of our products are maintained by leading electrical distributors throughout North America. Contact our Agent in your area today or visit [www.republicconduit.com](http://www.republicconduit.com) for more information.

## Weights and Dimensions\*

Trade Size Designator	Outside Diameter (OD)				Wall Thickness				Nominal Weight per 100 Feet		Feet per Bundle	Standard Lifts				Length without Coupling	Treads per Inch	Color Code	Method	
	Minimum		Maximum		Minimum		Maximum		LBS	kg		Length		Weight						
	IN	mm	IN	mm	IN	mm	IN	mm				FEET	m	LBS	kg					
1/2	16	0.810	20.57	0.820	20.83	0.070	1.78	0.085	2.16	62	28.1	100	3500	1067.5	2170	984.1	9' 11 1/4"	14	Yellow	End Caps
3/4	21	1.024	26.01	1.034	26.26	0.075	1.91	0.090	2.29	84	38.1	50	2500	752.5	2100	952.4	9' 11 1/4"	14	Green	End Caps
1	27	1.285	32.64	1.295	32.89	0.085	2.16	0.100	2.54	119	54.0	50	1700	518.5	2023	917.5	9'11"	11.5	Orange	End Caps
1 1/4	35	1.630	41.40	1.645	41.78	0.085	2.16	0.100	2.54	158	71.7		1350	411.8	2133	967.3	9'11"	11.5	Green	End Caps
1 1/2	41	1.875	47.63	1.890	48.01	0.090	2.29	0.105	2.67	194	88.0		1100	335.5	2134	967.8	9'11"	11.5	Yellow	End Caps
2	53	2.352	59.74	2.367	60.12	0.095	2.41	0.110	2.79	256	116.1		800	244.0	2048	928.8	9'11"	11.5	Orange	End Caps
2 1/2	63	2.847	72.31	2.867	72.82	0.140	3.56	0.160	4.06	441	200.0		370	112.9	1632	740.1	9' 10 1/2"	8	Yellow	End Caps
3	78	3.466	88.04	3.486	88.54	0.140	3.56	0.160	4.06	543	246.3		300	91.5	1629	738.8	9' 10 1/2"	8	Orange	End Caps
3 1/2	91	3.961	100.61	3.981	101.12	0.140	3.56	0.160	4.06	629	285.3		240	73.2	1510	684.8	9' 10 1/4"	8	Yellow	End Caps
4	103	4.456	113.18	4.476	113.69	0.140	3.56	0.160	4.06	700	317.5		240	73.2	1680	761.9	9' 10 1/4"	8	Orange	End Caps

- 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.
- Republic's IMC is provided with a color coded thread protector on one end and a coupling on the other.
- 1/2", 3/4", and 1" sizes of Republic's IMC are furnished with diamond knurled inside finish for easier wire pull / push.
- Applicable length tolerance =  $\pm 1/4"$  ( $\pm 6.35$ mm) without a coupling.
- All sizes furnished in 10' lengths.

## Specifications

Republic Conduit's Intermediate Metal Conduit is produced to the following specifications:

- ANSI – American National Standard for Electrical Intermediate Metal Conduit (EIMC) ANSI, C80.6
- National Electric Code, 2002 Article 342 (1999 NEC, Article 345)
- UL Standard for Electrical Intermediate Metal Conduit – Steel, UL 1242, File # E79211
- Federal Specification WW-C-581 (Class 2 Type A)

The above Federal Specification WW-C-581 may still be referenced; however, the federal government has canceled it and has adopted the UL 1242 standard.

For more information, visit [www.republicconduit.com](http://www.republicconduit.com).

MAYOR INFORMACION EN MANELSA [www.manelsa.com.pe](http://www.manelsa.com.pe)

\*All orders are subject to Republic Conduit's Terms and Conditions, a copy of which is available upon request.

[www.republicconduit.com](http://www.republicconduit.com)

7301 LOGISTICS DRIVE | LOUISVILLE, KY 40258 | USA | P 800-840-8823 | F 502-995-5873

