

# Intermediate Metal Conduit (IMC)

## Features & Specifications

### Full Electrical System Protection

Allied Tube & Conduit® IMC conduit is precision manufactured for economical protection and long-lasting value for the electrical raceway system.

Manufactured from premium, work hardened steel combining electrical and mechanical performance with ductility.

### Coatings

Allied Tube & Conduit® IMC is in-line galvanized using a triple-layer protection to guard against corrosion. The interior of Allied Tube & Conduit® IMC is coated with a highly corrosion-resistant lubricating finish for easier wire-pulling. No need to worry about damage to the conduit system, even when pulling through multiple 90° bends.

### EMI Shielding

Allied Tube & Conduit® IMC is effective in reducing the effects of electromagnetic field levels for encased power distribution circuits, shielding computers and other sensitive electronic equipment from the effects of electromagnetic interference.

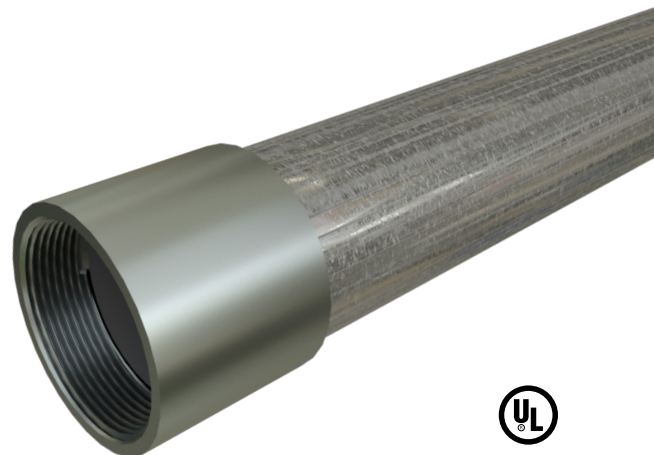
### Codes & Standards Compliance

Compliance IMC is covered by Article 342 of the National Electrical Code® (NEC®). Allied Tube & Conduit® IMC is listed to Safety Standard UL 1242 and is manufactured in accordance with ANSI C80.6. These standards have been adopted as Federal Specifications in lieu of WWC-581-Type 2. IMC is recognized as an equipment grounding conductor by NEC® Section 250.118.

Allied Tube & Conduit® IMC is listed in UL category DYBY. Master bundles conform to NEMA standard RN 2.

### Specification Data

Intermediate Metal Conduit (IMC) conduit and elbows shall be equal to that manufactured by Allied Tube & Conduit®. IMC shall be hot galvanized steel OD with an organic corrosion resistant ID coating and shall be listed to UL Safety Standard 1242 and manufactured in accordance with ANSI C80.6. It shall be listed by a nationally recognized testing laboratory with follow-up service. Threads shall be hot galvanized after cutting.



## NEC® recognizes Allied Tube & Conduit IMC for same uses as RIGID

### IMC (Intermediate Metal Conduit) Weights and Dimensions

Listed to Safety Standard UL 1242 and UL 514B  
Manufactured in accordance with ANSI C80.6

Trade Size	Metric Designator	Average Outside Diameter <sup>1</sup>		Average Wall Thickness <sup>2</sup>		Approximate Weight Per 100ft (30.5m)		Master Bundle Quantity	
		in	mm	in	mm	lb	kg	ft	m
½	16	0.815	20.70	0.070	1.79	62	28.1	3500	1067.5
¾	21	1.029	26.13	0.075	1.90	84	38.1	2500	762.5
1	27	1.290	32.76	0.085	2.16	119	54.0	1700	518.5
1 ¼	35	1.638	41.60	0.085	2.16	158	71.7	1350	411.8
1 ½	41	1.883	47.82	0.090	2.29	194	88.0	1100	335.5
2	53	2.360	59.94	0.095	2.41	256	116.1	800	244.0
2 ½	63	2.857	72.56	0.140	3.56	441	200.0	370	112.9
3	78	3.476	88.29	0.140	3.56	543	246.3	300	91.5
3 ½	91	3.971	100.86	0.140	3.56	629	285.3	240	73.2
4	103	4.466	113.43	0.140	3.56	700	317.5	240	73.2

<sup>1</sup> Outside Diameter Tolerances:

+/- 0.005 in (0.13mm) for trade sizes ½ in (16mm) through 1 in (25mm)  
+/- 0.0075 in (0.19mm) for trade sizes 1 ¼ in (36mm) through 2 in (53mm)  
+/- 0.10 in (0.25mm) for trade sizes 2 ½ in (63mm) through 4 in (103mm)

<sup>2</sup> Wall Thickness Tolerances:

+ 0.15 in (0.28mm) and - 0.000 for trade sizes 1/2 in (13mm) through 2 in (53mm)  
+ 0.20 in (0.51mm) and - 0.000 for trade sizes 2 1/2 in (63mm) through 4 in (103mm)  
NOTE: Length = 10ft (3.05m) with tolerance of +/- 0.25in (6.35mm)