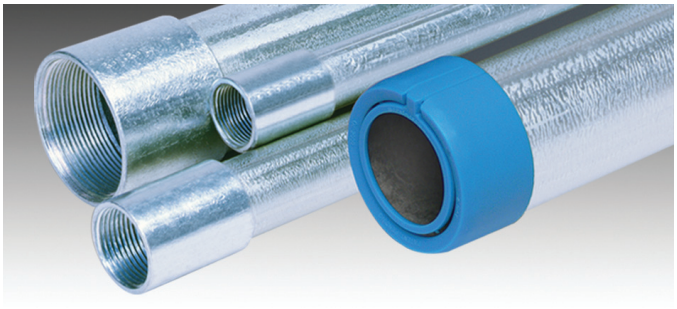
Intermediate Metal Conduit (IMC) and Kwik-Couple™ IMC

NEC recognizes Allied IMC for same uses as RIGID

IMC Conduit

- Light-weight ductile steel conduit for long life and easy bending
- Weighs 1/3 less than rigid conduit
- Saves up to 30% in cost over GRC
- Hot galvanized layer to increase corrosion resistance and protect against white rust
- Interior coating creates a smooth, continuous raceway for fast wire-pulling
- UL 1242 listed and manufactured in accordance with ANSI C80.6
- True Color IMC special orders available
- Available in trade sizes 1/2 thru 4

Kwik-Release End Cap No Tools Needed!



Kwik-Couple IMC Steel Conduit

- Factory-installed Kwik-Couple couplings are available on IMC rigid conduits
- No separate couplings to purchase, store, carry or install
  Just line up the ends, spin the coupling forward onto the next piece and wrench tighten. It's that easy!
- Kwik-Release End Cap · Requires no tools
- All the benefits of IMC Conduit
- True Color IMC special orders available
- Patented
- Trade Sizes 2-1/2 thru 4

IMC (Intermediate Metal Conduit) Weights and Dimensions

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

[1]Outside diameter tolerances:
+/- .005 in. (.13mm) for trade sizes 1/2 (16mm) through 1 (25mm)
+/- .0075 in. (.19mm) for trade sizes 1-1/4 (36mm) through 2 (53mm)
+/- 0.10 in. (.25mm) for trade sizes 2-1/2 (63mm) through 4 (103mm).

[2]Wall thickness tolerances:
+ 0.15 in. (.38mm) and - .000 for trade sizes 1/2 (13mm) through 2 (53mm)
+ 0.20 in. (.51mm) and - .000 for trade sizes 2-1/2 (63mm) through 4 (103mm).
NOTE: Length = 10 ft. (3.05m) with a tolerance of +/- .25 in. (6.35mm).
NEMA Standard

Project Information

Company Name: _____
Address: _____
City: _____
State & Zip: _____
Phone: _____
Project Name: _____
City: _____
State: _____

Need more technical information?
Find our IMC Specifications Guide online at www.alliedeg.com

NOTE: Special orders are non-cancelable, non-returnable and non-refundable.

Intermediate Metal Conduit (IMC) and Kwik-Couple™ IMC

FEATURES & SPECIFICATIONS

Allied IMC 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. Allied IMC is resistant to impact and is easy to cut, bend and join for smooth, continuous raceways. Allied IMC is as strong, lighter in weight, and less expensive than Rigid. In fact, it can save you as much as 30% in overall costs. Intermediate Metal Conduit, covered by Article 342 in the National Electrical Code® (NEC®), is recognized as an equipment grounding conductor in Article 250 of the NEC and also provides excellent shielding from electromagnetic fields.

Kwik-Couple IMC Conduit

Innovation from the conduit leaders at Allied

Allied's patented Kwik-Couple IMC reduces threaded conduit installation time and cost significantly. Kwik-Couple has an integrated coupling on the conduit exactly where you need it.

The Allied Advantage

Allied IMC has a larger internal diameter than RIGID conduit to allow for easier fishing and wire-pulling. Allied IMC is also more "rigid" than RIGID to provide superior wiring protection in many applications.

The National Electrical Code recognizes Allied IMC for the same uses as RIGID, including all hazardous location (classified) applications.

Allied IMC uses the same threaded couplings and fittings as RIGID conduit, and the 3/4" NPT threads (ANSI B1.20.1) are also full cut and galvanized after cutting. Color-coded end-cap thread protectors keep the threads clean and sharp, and also help to provide instant trade size recognition. Even sizes are color-coded orange, 1/2 trade sizes are yellow, and 1/4 trade sizes are green.

Coatings

Allied's IMC is hot galvanized using Allied's patented inline Flo-Coat process. This process combines zinc, a conversion coating, and a clear organic polymer topcoat to form a triple layer of protection against corrosion and abrasion. The interior of Allied 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 IMC is very effective in reducing the effects of electromagnetic fields on encased power distribution circuits, shielding computers and other sensitive electronic equipment from the effects of electromagnetic interference.

Visit www.alliedeg.com to obtain the **GEMI** (**G**rounding and **E**lectromagnetic **I**nterference) software analysis program.

Codes & Standards Compliance

Allied IMC Rigid is listed to Underwriters Laboratories Safety Standard UL 1242 and meets 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. Installation of IMC Rigid conduit and elbows shall be in accordance with the National Electrical Code and the UL listing information. Allied IMC is listed in category DYBY. Master bundles conform to NEMA standard RN2.

Specification Data

Intermediate Metal Conduit (IMC) Rigid conduit and elbows shall be equal to that manufactured by Allied Tube & Conduit Corporation. IMC shall be hot galvanized steel O.D. with an organic corrosion resistant I.D. 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.

Kwik-Couple IMC is Listed to UL Safety Standard 1242 and UL 514-B. Kwik-Couple IMC is Listed for CONCRETE-TIGHT applications.

It is noted that these U.L. standards have been adopted by the federal government and separate military specifications no longer exist.

Kwik-Couple IMC Conduit Weights and Dimensions

Trade Size	Metric Designator	Approx. Wt. Per 100 Ft. (30.5M)		Average Outside Diameter[1]		Average Wall Thickness[2]		Quantity In Master Bundle	
		lb.	kg.	in.	mm.	in.	mm.	ft.	m.
2-1/2	63	441	200.0	2.857	72.56	0.140	3.56	400	122.0
3	78	543	246.3	3.476	88.29	0.140	3.56	300	91.5
3-1/2	91	629	285.3	3.971	100.86	0.140	3.56	250	76.3
4	103	700	317.5	4.466	113.4	0.140	3.56	200	61.0

[1]Outside diameter tolerances: +/- .010 in. (.25mm)

[2]Wall thickness tolerances: + .020 in. (.51mm) and -.000

NOTE: Length (w/coupling) = 10 ft. (3.05m) with a tolerance of +/- .25in. (6.35mm).

NOTE: Special orders are non-cancelable, non-returnable and non-refundable.

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