

Steel Intermediate Metal Conduit (IMC)



Steel Intermediate Metal Conduit (IMC):

A lighter-weight alternative to rigid metal conduit

Steel IMC weighs 33% less than rigid steel conduit but provides a high level of protection for conductors and cables installed in areas potentially exposed to severe physical damage. It also offers corrosion protection for installation in dry, wet, exposed, concealed or hazardous locations that comply with the National Electrical Code® (NEC).

10' lengths

Couplings produced in-house

Threaded on both ends

Couplings supplied on one end, color-coded thread protector on other end

Accurate circular cross section with uniform wall thickness

Interior surface free from defects injurious to conductors

Galvanized OD and clear coating for corrosion protection

Proprietary ID coating for corrosion resistance and easy wire pulling

Designed for Quality and Efficiency

At Wheatland Tube, we leverage our experience and the latest technologies to provide a consistent quality product with on-time deliveries. We manufacture IMC from mild steel strip in our state-of-the-art ERW mills with the industry's leading in-line galvanizing process that applies molten zinc to the outside diameter. A clear coating is then applied to the outside diameter to inhibit rust and reduce storage stains. The inside diameter is sprayed with a proprietary coating for corrosion resistance and easy wire pulling. Product is then inspected visually and with instruments to ensure all meet product standard specifications. Our complete in-house production capabilities and quality control programs provide consistency in production.

Green and Sustainable

IMC contains recycled steel content of various amounts, depending on the steel manufacturing process, and will provide decades of reliable service if properly maintained. Conductors can be easily removed and new conductors inserted. Additional circuits may be added in the same conduit, as permitted by code. At the end of its life, the steel may be fully recycled.



Tested and Certified for Safety

Our IMC is UL® Listed to UL 1242. It is manufactured in accordance with ANSI® C80.6, UL 1242 and federal specifications WW-C-581. The pitch of IMC threads conforms to the American National Standard for Pipe Threads, General Purpose (Inch), ANSI/ASME B1.20.1. The taper of threads is inch per foot (1 in 16). Our steel IMC provides protection from severe physical damage, the highest level recognized by the code, for cables and conductors. IMC reduces exposure to electromagnetic fields, shields against harmful electromagnetic interference and is recognized as an equipment grounding conductor by NFPA 70: National Electrical Code 250.118 (3). Email info@wheatland.com for a copy of Georgia Tech's Grounding and ElectroMagnetic Interference (GEMI) Analysis software.



For more information, call **800.257.8182** or visit **wheatland.com**

IMC WEIGHTS AND DIMENSIONS (10' LENGTHS)

TRADE SIZE	METRIC DESIGNATOR	THREADS / INCH	ACCEPTABLE LENGTH OF FINISHED CONDUIT WITHOUT COUPLING			WEIGHT OF 10 UNIT LENGTHS WITH COUPLINGS		NOMINAL OUTSIDE DIAMETER*		NOMINAL INSIDE DIAMETER**		NOMINAL WALL THICKNESS*	
			ft.	+/- .25 in.	+/- 6 mm	lbs.	kg	in.	mm	in.	mm	in.	mm
1/2	16	14	9	11 1/4	3030	62	28.12	0.815	20.70	0.660	16.76	0.078	1.97
3/4	21	14	9	11 1/4	3030	84	38.10	1.029	26.14	0.869	22.07	0.083	2.10
1	27	11 1/2	9	11	3025	119	53.98	1.290	32.77	1.105	28.07	0.093	2.35
1 1/4	35	11 1/2	9	11	3025	158	71.67	1.638	41.59	1.448	36.77	0.095	2.41
1 1/2	41	11 1/2	9	11	3025	194	88.00	1.883	47.82	1.683	42.74	0.100	2.54
2	53	11 1/2	9	11	3025	256	116.12	2.360	59.93	2.150	54.60	0.105	2.67
2 1/2	63	8	9	10 1/2	3010	441	200.04	2.857	72.57	2.557	64.95	0.150	3.81
3	78	8	9	10 1/2	3010	543	246.30	3.476	88.29	3.176	80.67	0.150	3.81
3 1/2	91	8	9	10 1/4	3005	629	285.31	3.971	100.86	3.671	93.24	0.150	3.81
4	103	8	9	10 1/4	3005	700	317.52	4.466	113.44	4.166	105.82	0.150	3.81

* Figures are the average of the maximum and minimum dimensions as given in UL 1242.

** Calculated from nominal outside diameter and nominal wall thickness.

Steel Intermediate Metal Conduit is manufactured to produce a 10' (3.05 m) length of conduit when a standard coupling is attached.

PACKAGING

TRADE SIZE	METRIC DESIGNATOR	THREAD PROTECTOR COLOR	QUANTITY / BUNDLE			QUANTITY / LIFT*			WEIGHT / LIFT			VOLUME / LIFT	
			ft.	m	Pieces	Bundles	ft.	m	lbs.	kg	cu. ft.	cu. m	
1/2	16	Yellow	100	30.5	—	35	3500	1067	2170	984.3	26.4	0.7	
3/4	21	Green	50	15.2	—	50	2500	762	2100	952.5	33.5	0.9	
1	27	Orange	50	15.2	—	34	1700	518	2023	917.6	32.1	0.9	
1 1/4	35	Green	—	—	135	—	1350	411	2133	967.5	34.7	1.0	
1 1/2	41	Yellow	—	—	110	—	1100	335	2134	968.0	35.0	1.0	
2	53	Orange	—	—	80	—	800	244	2048	929.0	30.9	0.9	
2 1/2	63	Yellow	—	—	37	—	370	113	1632	740.3	33.5	0.9	
3	78	Orange	—	—	30	—	300	91	1629	738.9	38.3	1.1	
3 1/2	91	Yellow	—	—	24	—	240	73	1510	684.9	41.7	1.2	
4	103	Orange	—	—	24	—	240	73	1680	762.0	48.6	1.4	

* The quantity per lift conforms to the National Electrical Manufacturers Association Standards Publication RN-2 Packaging of Master Bundles for Steel Rigid Conduit, Intermediate Metal Conduit (IMC) and Electrical Metallic Tubing (EMT).



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About Wheatland Tube Electrical Conduit and Fittings

Wheatland Tube produces a broad spectrum of electrical conduit, including hot-dip galvanized steel rigid metal conduit, steel intermediate metal conduit (IMC), steel electrical metallic tubing (EMT), a full line of steel and aluminum elbows and nipples, and steel couplings. We also supply rigid aluminum conduit and couplings.

For more information, contact Wheatland Tube at:

800.257.8182 or **info@wheatland.com**

Or, visit our website at wheatland.com

**The Strength to
Deliver**