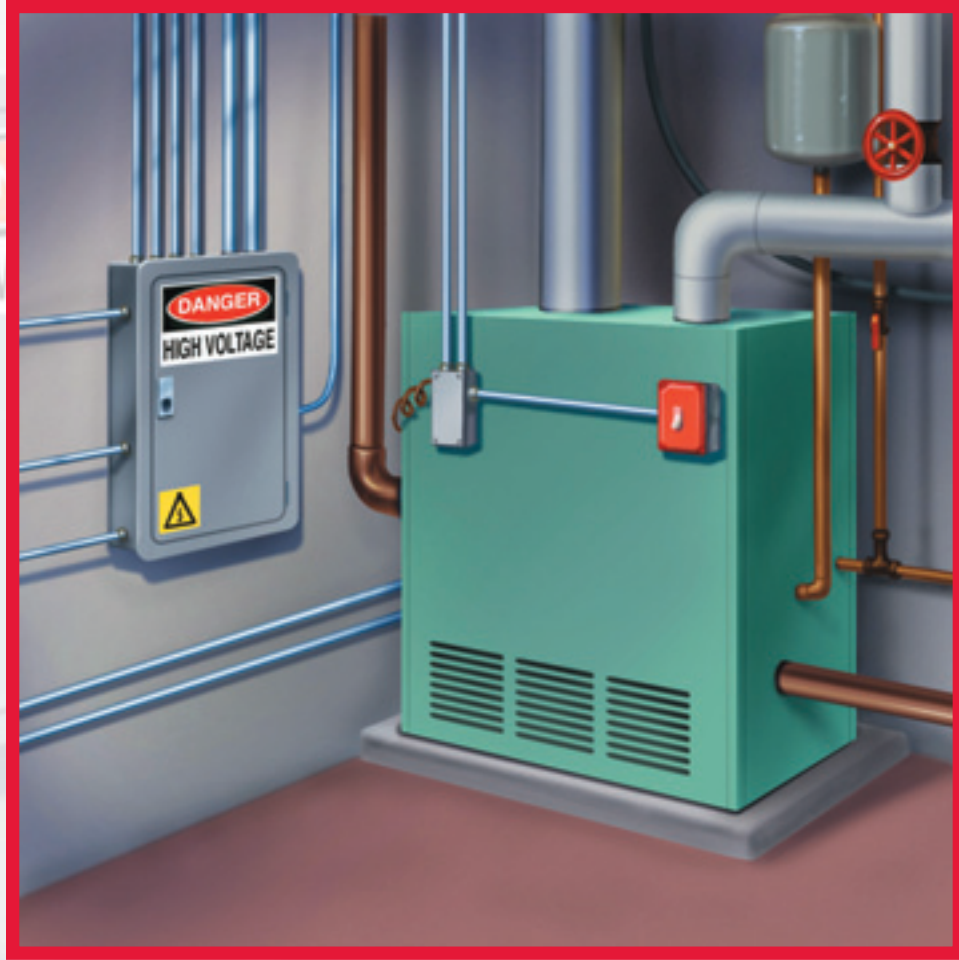


# Steel Intermediate Metallic Conduit



**Wheatland** Tube

JMC STEEL GROUP

# IMC: Light Heavyweight

Wheatland's listed IMC is a lighter weight alternative to RMC conduit. IMC has a reduced wall thickness compared to RMC and weighs approximately 33% less, but still provides excellent physical protection for cable and conductors. Steel conduit doesn't burn, contribute to smoke volume, emit potentially escape-inhibiting fire gases, or add to fuel load or flame spread. It also provides an excellent electrical path to ground and is recognized as an equipment grounding conductor by NFPA 70: National Electrical Code® 250.118 (3).

## The Winning Team

When the job needs to be done on time and within budget, rely on Wheatland. Our in-house, hot-dip galvanizing process is the quality benchmark for the industry. Wheatland's IMC is produced on our state-of-the-art ERW mills using the latest technology to assure the highest quality. And only Wheatland produces couplings in house, further assurance of total quality for our entire raceway system. Experience. Quality. Total in-house capabilities. You and Wheatland. That's *the* winning team.

## A Quick Look at Wheatland's IMC

Steel Intermediate Metal Conduit is manufactured from a mild steel tube. It has an accurate circular cross section, a uniform wall thickness, a defect free interior surface, and a continuous welded seam.

**Applications:** Wheatland Galvanized Steel IMC can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, in all kinds of atmospheric conditions, and in hazardous locations, when installed in accordance with National Electrical Code®.

**Coatings:** To protect IMC from corrosion, the exterior surface is thoroughly and evenly coated with metallic zinc, applied directly to the surface of the steel by our in-line galvanizing process, so that metal-to-metal contact and galvanic protection against corrosion are provided. The interior surface is protected by a corrosion-resistant coating, and an additional lubricating coating is applied to reduce friction during wire insertion.

**Sizes:** Nominal trade sizes from ½" to 4"

**Lengths:** IMC is produced in traditional standard lengths of 10 feet, including the coupling. It is threaded on both ends, with a coupling applied to one end and



a thread protector, industry color-coded by size, to the other.

**Protection:** IMC provides exceptional physical protection, reduces exposure to EMF, shields against Electro-Magnetic Interference (EMI) and provides an excellent electrical path to ground.

**Green:** The steel used to produce Wheatland's IMC contains recycled steel and is virtually totally recyclable. Steel is the most recycled material in the world, but the recycling may not take place for decades, since the service life of steel conduit is very long. Conductors can easily be removed and new conductors inserted; additional circuits may be added in the same conduit.

## Specifications

Wheatland's Intermediate Metallic Conduit (IMC) is manufactured in accordance with the latest specifications and standards of ANSI® C80.6, UL 1242, and federal specification 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 3/4 inch per foot (1 in 16).

## Thread Protectors

Wheatland's IMC is threaded on both ends, with a coupling applied to one end and a thread protector, industry color-coded by size, to the other.

Yellow: ½", 1 ½", 2 ½", and 3 ½"

Green: ¾", 1 ¼"

Orange: 1", 2", 3", and 4"

## Protects Against EMI

Steel IMC reduces exposure to EMF and shields against Electro-Magnetic Interference (EMI) at power frequencies which could impact computers and other sensitive electronic equipment and controls. Contact Wheatland's Marketing Department at info@wheatland.com for a copy of Georgia Tech's

Grounding and Electro-Magnetic Interference (GEMI) Analysis software.

## Provides Equipment Grounding

Steel IMC is approved for use by the NEC® as an equipment grounding conductor with its associated couplings and appropriate fittings.

# Galvanized Intermediate Metal Conduit - Steel

## Weights and Dimensions

Trade Size	Metric Designator	Threads Per Inch	Acceptable Length of Finished Conduit without Coupling			Weight 10 Unit Lengths with Couplings		Nominal Outside Diameter*		Nominal Inside Diameter*		Nominal Wall Thickness*	
			ft.	(+/- 1/4 in.) in.	(+/- 6mm) mm	lb	kg	in.	mm	in.	mm	in.	mm
½	16	14	9	11 1/4	3030	62	28.12	0.815	20.70	0.660	16.76	.078	1.97
¾	21	14	9	11 1/4	3030	84	38.10	1.029	26.26	0.869	22.07	.083	2.10
1	27	11½	9	11	3025	119	53.98	1.290	32.77	1.105	28.07	.093	2.35
1¼	35	11½	9	11	3025	158	71.67	1.638	41.59	1.448	36.77	.095	2.41
1½	41	11½	9	11	3025	194	88.00	1.883	47.82	1.683	42.74	.100	2.54
2	53	11½	9	11	3025	256	116.12	2.360	59.93	2.150	54.60	.105	2.67
2½	63	8	9	10½	3010	41	200.04	2.857	72.57	2.557	64.95	.150	3.81
3	78	8	9	10½	3010	543	246.30	3.476	88.29	3.176	80.67	.150	3.81
3½	91	8	9	10¾	3005	629	285.31	3.971	100.86	3.671	93.24	.150	3.81
4	103	8	9	10¾	3005	700	317.52	4.466	113.44	4.166	105.82	.150	3.81

NOTES: (1) Figures are the average of the maximum and minimum dimensions as given in UL 1242.

(2) Calculated from nominal outside diameter and nominal wall thickness.

Steel Intermediate Metal Conduit is manufactured to the lengths shown above, so when a straight-tapped coupling is attached a 10 foot (3.05m) length is produced.

## Packaging

Trade Size	Metric Designator	Threads Protectors Color	Quantity Per Bundle		Quantity Per Lift				Weight Per Lift		Volume Per Lift	
			Feet	Meters	Pieces	Bundles	Feet	Meters	Pounds	Kilograms	Cu. Feet	Cu. m
½	16	Yellow	100	30.5	---	35	3500	1067	2170	984.3	26.4	0.7
¾	21	Green	50	15.2	---	50	2500	762	2100	952.6	33.5	0.9
1	27	Orange	50	15.2	---	34	1700	518	2023	917.6	32.1	0.9
1¼	35	Green	---	---	135	---	1350	411	2133	967.5	34.7	1.0
1½	41	Yellow	---	---	110	---	1100	335	2134	968.0	35.0	1.0
2	53	Orange	---	---	80	---	800	244	2048	929.0	50.6	1.4
2½	63	Yellow	---	---	37	---	370	113	1632	740.1	33.5	0.9
3	78	Orange	---	---	30	---	300	91	1629	738.9	38.3	1.1
3½	91	Yellow	---	---	24	---	240	73	1510	684.8	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.



**JMC Steel Group**  
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Wheatland produces a full line of listed electrical conduit, EMT and tubular fittings. We supply Steel and Aluminum Rigid Metal Conduit (RMC), Steel Intermediate Metal Conduit (IMC) and Steel Electrical Metallic Tubing (EMT). We also manufacture a full line of complementary tubular fittings made from the same materials as our raceways — nipples, elbows, couplings and running thread. (See Wheatland's individual product literature for specific product details.)

All Wheatland manufacturing locations' quality management systems are certified to the ISO 9001:2008 requirements.

For more information contact Wheatland's Electrical Sales Department at 800-257-8182, email: [info@wheatland.com](mailto:info@wheatland.com) or visit our website at [www.wheatland.com](http://www.wheatland.com).



Made in U.S.A.