

Fas Trak Electrical Metallic Tubing



Wheatland Tube

JMC STEEL GROUP

Fas Trak EMT: Tough, Yet Easy to Install.

Wheatland's listed steel Fas Trak Electrical Metallic Tubing (EMT) has the thinnest wall of all of the metallic raceways Wheatland produces, but still provides considerable physical protection for conductors and cables in all applications except those requiring protection from severe physical damage. The lighter wall of EMT means lighter weight, which permits the use of hand benders and easy handling. Steel EMT 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 (4). We apply a propriety slick, smooth ID coating to Fas Track to make wire pulling easier — which creates less stress on the conductors and enables quicker installation.

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 Fas Trak EMT is produced on our state-of-the-art ERW mills using the latest technology to assure the highest quality. Whether you use 10 ft. or 20 ft. lengths, you can save installation time and money with our Fas Trak EMT. Experience. Quality. Total in house capabilities. You and Wheatland. That's *the* winning team.

A Quick Look at Wheatland's Fas Trak EMT

Steel Electrical Metallic Tubing is manufactured from mild steel tube. It has an accurate circular cross section, a uniform wall thickness, a defect free interior surface, and continuously welded seams. EMT is unthreaded and it's installed with set-screws or compression-type couplings and connectors.

Applications: Wheatland Galvanized Steel Electrical Metallic Tubing can be installed indoors or outdoors, in dry or wet locations, exposed or concealed, and in hazardous locations, when in accordance with the NEC®, providing it will not be subject to severe physical damage during and after installation, and is properly protected against corrosion.

Coatings: The exterior surface is thoroughly and evenly coated with zinc using an in-line galvanizing process, so that metal-to-metal contact and galvanic protection against corrosion are provided. The exterior is also protected by a clear post-galvanizing coating to further protect against corrosion. The interior surface is coated with a propriety slick, lubricating



coating that reduces friction during wire insertion, and also retards corrosion.

Sizes: Nominal trade sizes from ½" to 4"

Lengths: EMT is produced in traditional 10 foot lengths, as well as 5 foot and 20 foot lengths. Wheatland was the first to introduce 20 foot lengths, which are factory inventoried in all EMT trade sizes. Our 5 foot lengths are only available in ½ and ¾ trade sizes.

Protection: EMT provides mechanical protection for the cables and conductors, reduces Electro-Magnetic Field (EMF) exposure, shields against Electro-Magnetic Interference (EMI) and provides an excellent electrical path to ground.

Green: The steel used to produce Wheatland's EMT 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 Fas Trak Electrical Metallic Tubing (EMT) is manufactured in accordance with the latest specifications and standards of ANSI® C80.3, UL 797, and federal specification WW-C-563.

Trade Size Identification

Bundles of finished EMT are wrapped with industry color-coded, special lightweight filament tape. Black tape identifies trade sizes ½" and 1 ½", red tape identifies ¾" and 1 ¼", and blue tape 1". Trade sizes 2" and larger are not bundled.

Protects Against EMI

Steel EMT 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

EMT is approved for use by NFPA 70: National

Electrical Code® as an equipment grounding conductor when utilizing the appropriate fittings in a Code compliant installation.

Circuit Identification

You can identify critical systems easily with Wheatland Tube Company's new Color Check color-coded EMT in 10' and 20' lengths. Color Check EMT offers the same in-line galvanized OD corrosion protection as traditional Wheatland EMT, and features a brilliant durable top-coat in assorted colors for immediate recognition of your systems. No more spray painting or taping in the field!

Electrical Metallic Tubing (EMT)

Weights and Dimensions

Trade Size	Metric Designator	Weight		Outside Diameter(1)		Inside Diameter(2)		Wall Thickness(2)	
		10 Unit Lengths							
		lb	kg	in.	mm	in.	mm	in.	mm
½	16	30	13.6	0.706	17.93	0.622	15.80	.042	1.07
¾	21	46	20.9	0.922	23.42	0.824	20.93	.049	1.25
1	27	67	30.4	1.163	29.54	1.049	26.64	.057	1.45
1¼	35	101	45.8	1.510	38.35	1.380	35.05	.065	1.65
1½	41	116	52.6	1.740	44.20	1.610	40.89	.065	1.65
2	53	148	67.1	2.197	55.80	2.067	52.50	.065	1.65
2½	63	216	98.0	2.875	73.03	2.731	69.37	.072	1.83
3	78	263	119.3	3.500	88.90	3.356	85.24	.072	1.83
3½	91	349	158.3	4.000	101.60	3.834	97.38	.083	2.11
4	103	393	178.3	4.500	114.30	4.334	110.08	.083	2.11

Notes : Applicable tolerances Length: 10 Ft. (3.05 m) +/- 1/4 in. (+/- 6.35 mm)

(1) Outside Diameter: 1/2 - 2 +/- 0.005 in. (16 - 53 +/- 0.13mm), 2-1/2 +/- 0.010 in. (63 +/- 0.25 mm), 3 +/- 0.015 in. (78 +/- 0.38 mm) , 3-1/2 - 4 +/- 0.020 in. (91 - 103 +/- 0.51 mm).

(2) For information only, not a UL 797 requirement.

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	Black	100	30.5	---	70	7000	2134	2100	952.5	31.7	0.9
¾	21	Red	100	30.5	---	50	5000	1524	2300	1043.3	36.1	1.0
1	27	Blue	100	30.5	---	30	3000	914	2010	911.7	36.5	1.0
1¼	35	Red	50	15.2	---	40	2000	610	2020	916.3	38.2	1.1
1½	41	Black	50	15.2	---	30	1500	457	1740	789.3	37.9	1.1
2	53	---	---	---	120	---	1200	366	1776	805.6	46.7	1.3
2½	63	---	---	---	61	---	610	186	1318	597.8	41.5	1.2
3	78	---	---	---	51	---	510	155	1341	608.3	48.9	1.4
3½	91	---	---	---	37	---	370	113	1291	585.6	48.6	1.4
4	103	---	---	---	30	---	300	91	1179	534.8	50.0	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
Pipe and Tube Solutions

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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 or visit our website at www.wheatland.com.



Made in U.S.A.