



# PROVIDENCE PIPE PRODUCTS

## ELECTRICAL METALLIC TUBING (EMT)



### GENERAL

Providence EMT is manufactured from high grade flat-rolled steel. Produced by the electric resistance welding process, the finished tube is uniform in OD size, wall thickness, a defect free interior surface and smoothly welded seams. The 1/2 inch - 1 1/2 inch EMT are made from zinc coils. The 2 inch - 4 inch EMT are produced using an inline galvanizing process. The surface of all of them is thoroughly coated zinc, so that the metal to metal contact and galvanic protection against corrosion are provided. Additionally, the exterior is protected by a clear zinc chromate coating. The good interior surface quality provides smooth continuous raceways for easy and fast wiring pulling. Its excellent ductility provides easy bending, cutting and joining to prevent waste of time and materials.

Providence's EMT is produced in normal trade size from 1/2 inch - 4 inch.

EMT is produced in standard lengths of 10 feet (30.5 m).

The quantity in primary bundle is standard bundle quantity.

Providence EMT is a UL listed product.

Each pipe has been affixed a UL label and a manufacturer label including trade size and a bar code.

### APPLICATION

Galvanized Steel Electrical Metallic Tubing, National Electrical Code (NEC)® 2002 Article 358, can be installed indoors or outdoors, exposed or concealed in all kinds of atmospheric conditions, and in hazardous locations, when in accordance with NEC® 502.4, 503.3 and 504.20 and providing it is not subject to sever physical damage during and after installation and is properly protected against corrosion.

Also, it provides mechanical protection for the conductors while reducing Electro-Magnetic Field (EMF) exposure and shielding against Electro Magnetic Interference (EMI).

Galvanized Steel Electrical Metallic Tubing is an approved equipment grounding conductor under the 2002 NEC® Section 250.118(4). The NEC® established the minimum requirements for the safe electrical installation. Because of the varied environments in which electrical equipment is installed, local amendments are often added. Always Consult local codes prior to installation.

### DIMENSIONS AND WEIGHT CHART

| EMT SIZE | MASTER BUNDLE WEIGHT |      | MASTER BUNDLE QUANTITY |        | OUTSIDE DIAMETER |       | MIN. WALL THICKNESS |      |
|----------|----------------------|------|------------------------|--------|------------------|-------|---------------------|------|
|          | In.                  | lbs. | ft.                    | Pieces | In.              | mm    | In.                 | mm   |
| 1/2"     |                      | 2250 | 7000                   | 700    | 0.71             | 17.93 | 0.04                | 1.02 |
| 3/4"     |                      | 2440 | 5000                   | 500    | 0.92             | 23.42 | 0.046               | 1.18 |
| 1"       |                      | 2040 | 3000                   | 300    | 1.16             | 29.54 | 0.053               | 1.37 |
| 1-1/4"   |                      | 2090 | 2000                   | 200    | 1.51             | 38.35 | 0.062               | 1.57 |
| 1-1/2"   |                      | 1820 | 1500                   | 150    | 1.74             | 44.2  | 0.062               | 1.57 |
| 2"       |                      | 1850 | 1200                   | 120    | 2.19             | 55.8  | 0.062               | 1.57 |
| 2-1/2"   |                      | 1320 | 610                    | 61     | 2.88             | 73.03 | 0.069               | 1.74 |
| 3"       |                      | 1350 | 510                    | 51     | 3.5              | 88.9  | 0.069               | 1.74 |
| 3-1/2"   |                      | 1290 | 370                    | 37     | 4                | 101.6 | 0.077               | 1.97 |
| 4"       |                      | 1180 | 300                    | 30     | 4.5              | 114.3 | 0.078               | 1.99 |

### QUALITY YOU CAN RELY ON .



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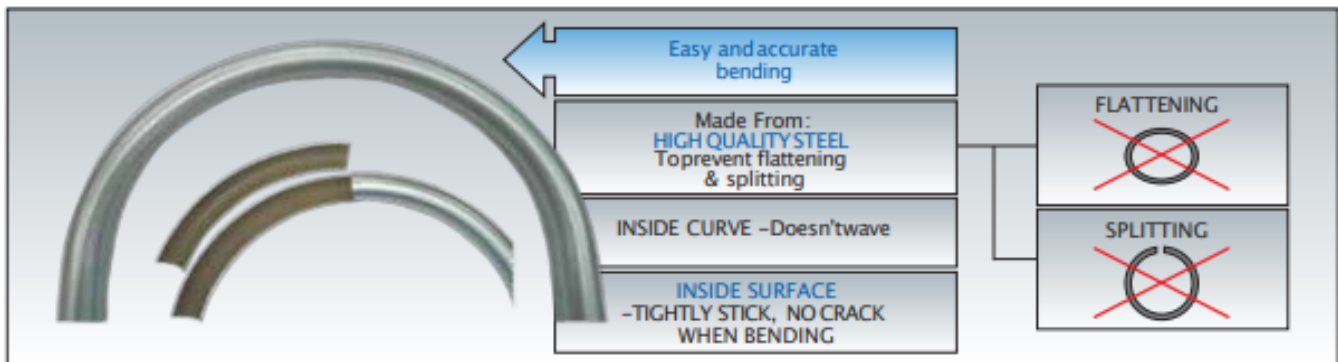
## SUPERB INSIDE SURFACE

SPECIAL COATING TECHNOLOGY. RUST PROOF AND SMOOTH SEAM.



## SUPERB BENDING

EXCLUSIVE MATERIAL AND PROCESS - SMOOTH AND NO DAMAGE IN ANY BENDING ANGLE



## SPECIFICATIONS

Providence galvanized steel EMT is manufactured in accordance with the latest edition of the following:

American National Standards Institute (ANSI) - American National Standard for Steel Electrical Metallic Tubing, ANSI® C80.3.

Underwriting Laboratories Standard for EMT-Steel, UL 797

National Electric Code ® 2002-Article 358 (1999 NEC Article 343)

Federal Specification - WW-C\_563.

The above specification may still be referenced, however the federal government has canceled it and adopted the UL797 and ANSI C80.3 standard.

Additional information can be found in the Underwriters Laboratories Inc., General Information for Electrical Equipment Directory. The UL product category for EMT is FJMX.