S T E E L  C O N D U I T

# Electrical Metallic Tubing (EMT) - Steel Elbows

S U B M I T T A L  D A T A  S H E E T

## Electrical Metallic Tubing (EMT) - Steel Elbows Conforms With:

- ANSI – American National Standard for Steel Electrical Metallic Tubing, (EMT) ANSI, C80.3
- UL Standard for Electrical Metallic Tubing – Steel, UL797
- National Electrical Code® 2008 Article 358
- Federal Specifi cation WW-C-563

## Electrical Metallic Tubing (EMT) - Steel Elbows:

- May be used where not subject to severe physical damage
- Permitted for exposed and concealed work
- Shall be permitted to be installed in concrete, in direct contact with the earth
- Permitted in areas of sever corrosive infl uences where protected by corrosion protection and judged suitable for the condition
- Permitted in or under cinder concrete or fi ll where subject to permanent moisture when protected on all sides by a layer of noncinder concrete not less than 2 in. (50 mm) thick or with corrosion protection judged suitable for the condition
- May be used with Aluminum fi ttings and enclosures went not subject to severe corrosive infl uences

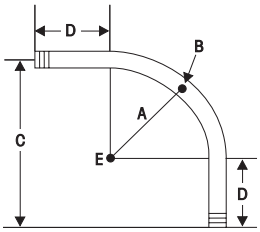
## Electrical Metallic Tubing (EMT) Dimensions

| Trade Size | Metric Designator | Outside Diameter[1] | Inside Diameter[1] | Wall[1] |
|---|---|---|---|---|
| 1/2 | 16 | 0.706 | 0.622 | 0.042 |
| 3/4 | 21 | 0.922 | 0.824 | 0.049 |
| 1 | 27 | 1.163 | 1.049 | 0.057 |
| 1 1/4 | 35 | 1.510 | 1.380 | 0.065 |
| 1 1/2 | 41 | 1.740 | 1.610 | 0.065 |
| 2 | 53 | 2.197 | 2.067 | 0.065 |
| 2 1/2 | 63 | 2.875 | 2.731 | 0.072 |
| 3 | 78 | 3.500 | 3.560 | 0.072 |
| 3 1/2 | 91 | 4.000 | 3.834 | 0.083 |
| 4 | 103 | 4.500 | 4.334 | 0.083 |

Notes: (1) outside diameter subject to UL 797 tolerances
(2) for informational only, not a UL 797 requirement

## Dimensions of Special Large Radius 90° Elbows

| Trade Size | 1" - 2-1/2" | 1" - 3" | 1" - 4" | 1" - 4" | 1" - 5" | 1" - 6" | 1" - 6" | 1" - 6" |
|---|---|---|---|---|---|---|---|---|
| When Radius "A" is | 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" |
| Offset "C" is | 1'9" | 2'0" | 2"4" | 2'11" | 3'5" | 3'11" | 4'6" | 5'0" |
| Straight End "D" is | 9" | 9" | 10" | 11" | 11" | 11" | 12" | 12" |
| Length Unbent is | 3'0" | 3'6" | 4'0" | 4'11" | 5'9" | 6'6" | 7'6" | 8'4" |




Project: _____ Contractor: _____ Date: _____

Engineer: _____ Specification Reference: _____ System Type: _____

Locations: _____ Comments: _____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