





# PRODUCT DATA SHEET

## ROPS Structural Tubing

### Leavitt Tube Company ROPS Structural Tubing . . . Specifications

| CHEMICAL COMPOSITION |            |
|----------------------|------------|
| Carbon, percent      | 0.22 max.  |
| Manganese, percent   | 1.50 max.  |
| Phosphorous, percent | 0.025 max. |
| Sulphur, percent     | 0.025 max. |

Additional alloying elements, including silicon, columbium, vanadium, nitrogen, or others may be added at the option of the manufacturer in order to meet the specified physical properties.

| MECHANICAL PROPERTIES           |        |
|---------------------------------|--------|
| Yield strength, min., psi.      | 50,000 |
| Tensile strength, min., psi.    | 70,000 |
| Elongation in 2 , min., Percent | 20     |

| IMPACT PROPERTIES (In Accordance with ASTM A370) |                           |            |
|--|---------------------------|------------|
| Specimen Size                                    | Test Temp. <sup>o</sup> F | FT. - Lbs. |
| 10mm x 5mm                                       | -20                       | 13 min.    |
| 10mm x 2.5mm                                     | -20                       | 8 min.     |

| PERMISSIBLE VARIATIONS IN DIMENSIONS OF ROUND TUBING <sup>1</sup> |                                     |                |   |
|---|-------------------------------------|----------------|---|
| Size O.D.   | Outside Diameter                    | Wall Thickness | Straightness  |
| All O.D.'s  | +0.5% rounded to the nearest 0.005" | ±10%           | 1/8 times the number of feet of total length divided by 5 |

| PERMISSIBLE VARIATIONS IN DIMENSIONS OF SQUARE & RECTANGULAR TUBING <sup>1</sup> |                  |                |   |
|--|------------------|----------------|---|
| Largest Outside Dimensions Across Plats  | Outside Diameter | Wall Thickness | Straightness  |
| 2 1/2 incl. & under  | 0.020            | ±10%           | 1/8 times the number of feet of total length divided by 5 |
| Over 2 1/2 to 3 1/2 incl.  | 0.025"           | ±10%           |   |
| Over 3 1/2 to 5 3/4 incl.  | 0.030"           | ±10%           |   |
| Over 5 1/2   | 1%               | ±10%           |   |

<sup>1</sup>Conforms to ASTM A500

#### **Certification**

Certification that the material has been produced in accordance with all applicable specifications can be stipulated on the purchase order.



**The Tube People**

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