**T66 Technical Datasheet**

**Aerospace Stainless Steel Tube**

### Typical Applications

Used in industries such as automotive, machinery, medical and aerospace. Often used for electromechanical parts, solar products, frames and fittings. Can also be used in fitness machinery, lighting and even oil pipelines.

### Key features:

- Stainless steel
- Good machinability
- Good corrosion resistance
- High strength to weight ratio

### Product Description

T66 stainless steel tube is produced via electric process (ESR) / VAR if requested for a specific purpose. The product has high strength and low weight meaning its strength to weight ratio is relatively high.

### Related Material Specifications:

- T45
- T64
- T67

### Machinability

Good

### Availability

Tube

### Corrosion Resistance

Good

### Chemical Composition (weight %)

<table>
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<th></th>
<th>Fe</th>
<th>C</th>
<th>Cr</th>
<th>Mn</th>
<th>Ni</th>
<th>P</th>
<th>S</th>
<th>Si</th>
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<td>0.025</td>
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</table>

### Mechanical Properties

- **Tensile Strength**: 550 - 700 MPa
- **Modulus of elasticity**: 210 - 340 MPa
- **Hardness**: 205 HV
- **Hardness**: 197 HB

### Technical Assistance

Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

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