

Aluminium

L160 T3511 (7075) Bar & Extrusion

Datasheet Updated
24 March 2025

SPECIFICATIONS

| | |
|------------|------------|
| Commercial | 7075 |
| Aerospace | L160 T3511 |

Very high strength aerospace aluminium alloy.

CHEMICAL COMPOSITION

BS L160 (1976)
Alloy L160

| Element | % Present |
|------------------------------|-------------|
| Silicon (Si) | 0.00 - 0.40 |
| Iron (Fe) | 0.00 - 0.50 |
| Copper (Cu) | 1.20 - 2.00 |
| Manganese (Mn) | 0.00 - 0.30 |
| Chromium (Cr) | 0.18 - 0.28 |
| Magnesium (Mg) | 2.10 - 2.90 |
| Zinc (Zn) | 5.10 - 6.10 |
| Titanium (Ti) | 0.00 - 0.20 |
| Titanium + Zirconium (Ti+Zr) | 0.00 - 0.25 |
| Other (Each) | 0.00 - 0.05 |
| Others (Total) | 0.00 - 0.15 |
| Aluminium (Al) | Balance |

ALLOY DESIGNATIONS

Aluminium alloy L160 has similarities to the following standard designations and specifications **but may not be a direct equivalent:**

- 7075

TEMPER TYPES

The most common temper for L160 " 7075 aluminium is:

- T7351

SUPPLIED FORMS

- Bar
- Extrusions

APPLICATIONS

- Aerospace components
- High technology applications

CHARACTERISTICS

- High strength
- Fair resistance to atmospheric corrosion
- Good machinability

DISCLAIMER

This Data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon. Please note that the 'Datasheet Update' date shown above is no guarantee of accuracy or whether the datasheet is up to date.

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