

# Aluminium - 6063A T6

## Tee Section

Stock	Weight/m (Kg)
Size (in)	
1/2 x 1/2 x 1/8	0.19
3/4 x 3/4 x 1/8	0.30
1 x 1 x 1/8	0.41
1 1/4 x 1 1/4 x 1/8	0.52
1 1/2 x 1 1/2 x 1/8	0.63
1 1/2 x 1 1/2 x 3/16	0.92
1 1/2 x 1 1/2 x 1/4	1.20
2 x 1 x 1/8	0.63
2 x 2 x 1/8	0.85
2 x 2 x 3/16	1.25
2 x 2 x 1/4	1.64
3 x 3 x 1/4	2.51

## Properties

Chemical Properties	
Element	Chemical composition %
Manganese (Mn)	0.15 max
Iron (Fe)	0.15 - 0.35
Magnesium (Mg)	0.60 - 0.90
Silicon (Si)	0.30 - 0.60
Zinc (Zn)	0.0 - 0.15
Titanium (Ti)	0.10 max
Chromium (Cr)	0.05 max
Copper (Cu)	0.10 max
Aluminium (Al)	Balance

  

Mechanical Properties	
Property	Value
Proof Stress	90 MPa
Tensile Strength	150 MPa
Elongation	10%

  

Physical Properties	
Property	Value
Density	2.70 g/cm <sup>3</sup>
Melting Point	600°C
Thermal Expansion	23.5 x 10 <sup>-6</sup> /K
Modulus of Elasticity	69.5 GPa
Thermal Conductivity	200 W/m.K
Electrical Resistivity	0.035 x 10 <sup>-6</sup> Ω.m

## Disclaimer

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