

# Aluminium 7075

Ergal / 9007/2 / AlZnMgCu1.5 / 3.4365 / 2L95/L160 / A-ZGU / P-AlZn5.8MgCu

The strongest aluminum alloy. Suitable for challenging and complex applications in aerospace, marine and industrial sectors.



## Material properties

<b>Density</b>		<b>2,88</b>	g/cm <sup>3</sup>
<b>Tensile strength</b>	ISO 6892	<b>575</b>	MPa
<b>Elongation at break</b>	ISO 6892	<b>8</b>	%
<b>Yield strength</b>	ISO 6892	<b>520</b>	MPa
<b>Elastic modulus</b>	ISO 6892	<b>72</b>	GPa
<b>Hardness</b>	ISO 6508	<b>170</b>	HB
<b>Melting temperature</b>		<b>635</b>	°C
<b>Thermal conductivity (20°C)</b>		<b>130</b>	W/mK
<b>Electrical resistivity</b>		<b>0,052</b>	Ωmm <sup>2</sup> /m

### Main alloy elements

Aluminium - Zinc - Magnesium - Copper

### Maximum dimensions

500x500x300 mm (19.7x19.7x11.8 in)

### Tolerances

ISO 2768-1 fine (f) or medium (m) class

### Applications

Aerospace, automotive, sporting goods.

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