

# 7075 Aluminium - AMS 4045

## *Typical Applications*

Aircraft Fittings

Gears & Shafts

Missile Parts

Automotive



*7075 is a very high strength aerospace aluminium through the addition of zinc and copper.*

Offering superior corrosion resistance, 7075 provides very high yield and tensile strengths based on the temper it is supplied in.

## **Related Products**

**2014**

**7075**

**2618**

**2099**

## **Technical specification**

## Density

2.81g/cm<sup>3</sup>

## Chemical Composition (WT %)

	Min	Max
<b>Al</b>	Bal	Bal
<b>Si</b>	-	0.40
<b>Fe</b>	-	0.50
<b>Cu</b>	1.20	2.00
<b>Mn</b>	-	0.30
<b>Cr</b>	0.18	0.28
<b>Mg</b>	2.10	2.90
<b>Zn</b>	5.10	6.10
<b>Ti</b>	-	0.20

## Typical Mechanical Properties

	Content
<b>0.2% Proof Stress</b>	372 - 462
<b>Tensile Strength</b>	462 - 538
<b>Elongation</b>	8



