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## Aluminium 6262 data sheet.

Aluminium 6262 is a heat treatable alloy with very good corrosion resistance and strength. Additions of bismuth in the material mean that it has outstanding machinability and surface finish.

6262 can be used in place of 2011 when a higher resistance to corrosion and better anodising response is needed.

6262 is a very versatile material and as a result can be used in a number of different ways...

- Screw machine products
- Camera parts
- Nuts
- Couplings
- Marine fittings
- Decorative hardware and appliance fittings
- Hinge pins
- Oil line fittings
- Valves and Valve parts



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Aluminium 6262 is available from us in round bar in the following sizes...

**In the drawn condition:**

**3mm dia - 3" dia**

**In the extruded condition:**

**20mm dia- 180mm dia**

### Chemical & Physical Properties

#### Typical Chemical Composition

Elements	Min %	Max %
Al	Remainder	
Bi	0.40	0.7
Cr	0.04	0.14
Cu	0.15	0.40
Fe		0.7
Mg	0.8	1.2
Mn		0.15
Others each		0.05
Others each		0.15
Pb	0.40	0.7
Si	0.40	0.8
Ti		0.15
Zn		0.25

## Typical Mechanical Properties

Property/unit	Condition	Temp	Size	Min	Max
<b>Tensile Strength (N/mm<sup>2</sup>)</b>	T6 (bar)	RT	<=80 mm	290	
<b>0.2% Proof Stress (N/mm<sup>2</sup>)</b>	T6 (bar)	RT	<=80 mm	240	
<b>Elongation in 5.65√Cross sectional area %</b>	T6 (bar)	RT	<=80 mm	10	
<b>Elongation in 50mm %</b>	T6 (bar)	RT	<=80 mm	8	
<b>Tensile Strength (N/mm<sup>2</sup>)</b>	T8 (bar)	RT	<=50 mm	345	
<b>0.2% Proof Stress (N/mm<sup>2</sup>)</b>	T8 (bar)	RT	<=50 mm	315	
<b>Elongation in 5.65√Cross sectional area %</b>	T8 (bar)	RT	<=50 mm	4	
<b>Elongation in 50mm %</b>	T8 (bar)	RT	<=50 mm	3	
<b>Tensile Strength (N/mm<sup>2</sup>)</b>	T9 (bar)	RT	<=50 mm	360	
<b>0.2% Proof Stress (N/mm<sup>2</sup>)</b>	T9 (bar)	RT	<=50 mm	330	
<b>Elongation in 5.65√Cross sectional area %</b>	T9 (bar)	RT	<=50 mm	4	
<b>Elongation in 50mm %</b>	T9 (bar)	RT	<=50 mm	3	



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## Tolerances

Diameter	Tolerance
8mm – 18mm	+/- 0.30mm
18mm – 25mm	+/- 0.35mm
25mm – 40mm	+/- 0.40mm
40mm – 50mm	+/- 0.45mm
50mm – 65mm	+/- 0.50mm
65mm – 80mm	+/- 0.70mm
80mm – 100mm	+/- 0.90mm
100mm – 120mm	+/- 1.00mm
120mm – 150mm	+/- 1.20mm
150mm – 180mm	+/- 1.40mm
180mm – 220mm	+/- 1.70mm
220mm – 270mm	+/- 2.00mm
270mm – 320mm	+/- 2.50mm

The information above is based on our current knowledge and is given in good faith; however the company will accept no liability in respect of any third party reliance thereon.