

# 4130 Alloy Steel Bars And Tubing

## *Typical Applications*

Aircraft engine mounts

Aircraft seating

Roll Cages

Bicycle frames

Well head components

*4130 (AMS 6360, AMS 6370, AMS 6371, AMS 6348) is a through hardening low alloy steel containing molybdenum and chromium as strengthening agents. 4130 responds well to nitriding for very good wear and abrasion resistance.*

## **Technical specification**

### *Related Specifications - Bar & Tube*

**AMS 6360**

**AMS 6370**

**AMS 6371**

**AMS 6348**

**UNS G41300**

**Mil S 6758**

**Mil T 67366**

### *Related Specifications - Sheet and Plate*

**AMS 6350**

**AMS 6345**

**UNS G41300**

### *Specific Gravity*

**7.8 g/cm<sup>3</sup>**

### Chemical Composition (WT %)

	Min	Max
<b>C</b>	0.28	0.33
<b>Mn</b>	0.40	0.60
<b>P</b>	-	0.025
<b>S</b>	-	0.025
<b>Si</b>	1.5	1.8
<b>Cr</b>	0.80	1.10
<b>Ni</b>	-	0.25
<b>Mo</b>	0.15	0.25

### Typical Mechanical Properties

		Tube	Bar (Hardened and Tempered)
<b>0.2% Proof Stress</b>	MPA	482	517 (min)
<b>Tensile Strength</b>	MPA	655	655(Min)

<b>Elongation</b>	%	12	20 (min)
<b>Reduction of area</b>	%	-	40 (Min)
<b>Hardness</b>	HRC	-	18-22

Need more information? **Get in touch**

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