

AMS 6350, AMS 6345 - 4130 Alloy Steel Sheets And Plates

Typical Applications

Aircraft seating

Roll Cages

Motorsport applications

4130 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

AMS 6350

AMS 6345

UNS G41300

Specific Gravity

7.8 g/cm³

Chemical Composition (WT %)

	Min	Max
C	0.28	0.33
Mn	0.40	0.60
P	-	0.025
S	-	0.025
Si	0.15	0.35
Cr	0.80	1.10
Mo	0.15	0.25

Typical Mechanical Properties

		Annealed	Normalised	Up to 0.062"	0.062" – 0.125"	0.125" – 0.187"	0.187" – 0.249"	0.249" – 0.749"	0.749" – 1.5"
0.2% Proof Stress	MPA	-	-	517	517	517	482	482	482
Tensile Strength	MPA	586	-	655	655	655	620	620	620
Elongation	%	-	-	8	10	12	15	16	18

Need more information? **Get in touch**

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