

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.

Related Products

15Cdv6 Bar Sheet Tube

300M

4130 Bar And Tube

4130 Sheet And Plate

4340

52100

S99

EN24

Hy Tuf

S156

T45

M50 Steel Bar

4330 Alloy Steel

BS S106

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

The data are based on typical properties and a representative specimen geometry for general information only. It is not intended to be used for design purposes. Mechanical properties may vary significantly with different grades, conditions and heat treatments. Contact your supplier for more information.

The results of all mechanical testing should be supported by appropriate safety factors and design codes. Please refer to the relevant standards for more information.

The information provided in this document is based on multiple measurements. The values are given as the mean and standard deviation of these measurements. The values are given as the mean and standard deviation of these measurements.

Where appropriate, typical values are given in parentheses. The values are given as the mean and standard deviation.

All the products are made to the highest quality standards and are subject to rigorous testing and inspection. The products are made to the highest quality standards and are subject to rigorous testing and inspection.

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Need more information? **Get in touch**

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