

AMS 6350, AMS 6345 - 4130 ALLOY STEEL SHEETS AND PLATES

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.

Specific Gravity							
7.8 g/cm3							
Typical Applications				Related Specifications			
Aircraft seating				AMS 6350			
Roll Cages				AMS 6345			
Motorsport applications				UNS G41300			
Chemical Composition (Wt %)							
	C	Mn	P	S	Si	Cr	Mo
Min	0.28	0.40	–	–	0.15	0.80	0.15
Max	0.33	0.60	0.025	0.025	0.35	1.10	0.25
Typical Mechanical Properties							
	0.2% Proof Stress	Tensile Strength	Elongation				
	MPA	MPA	%				
Annealed		586					
Normalised							
Up to 0.062"	517	655	8				
0.062" – 0.125"	517	655	10				
0.125" – 0.187"	517	655	12				
0.187" – 0.249"	482	620	15				

0.249" – 0.749"	482	620	16
0.749" – 1.5"	482	620	18

* This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with different supply conditions such as heat treatment or temper and product dimensions.

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