

4130 ALLOY STEEL BARS AND TUBING

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.

Specific Gravity								
7.8 g/cm ³								
Typical Applications					Related Specifications			
Aircraft engine mounts Aircraft seating Roll Cages Bicycle frames Well head components					AMS 6360 AMS 6370 AMS 6371 AMS 6348 UNS G41300 Mil S 6758 Mil T 67366			
Chemical Composition (Wt %)								
	C	Mn	P	S	Si	Cr	Ni	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	0.25
Typical Mechanical Properties								
	0.2% Proof Stress	Tensile Strength	Elongation	Reduction of area	Hardness			
	MPA	MPA	%	%	HRC			
Tube	482	655	12					
Bar (Hardened and Tempered)	517 (min)	655 (min)	20 (min)	40 (min)	18-22			

* 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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