

MARAGING 350 - AMS 6515

Maraging 350 (also known as Vascomax® 350, AMS 6515) is an 18% nickel, cobalt strengthened steel. It is a very high strength material reaching a UTS of 2310 MPA after heat treatment. It is produced by Vacuum Induction Melting (VIM) followed by Vacuum Arc Remelting (VAR).

Specific Gravity												
8.0 g/cm3												
Typical Applications						Related Specifications						
Landing gear systems Gears Fasteners Missile and Rocket motor cases Torsion springs Industrial Cutters						AMS 6515						
						UNS K93160						
						Mil-S-46850D						
Chemical Composition (Wt %)												
	C	Si	Mn	P	S	Al	Co	Ni	Mo	Ti	Cr	Cu
Min	–	–	–	–	–	0.05	11.5	18.00	4.6	1.30	–	–
Max	0.03	0.10	0.10	0.010	0.010	0.15	12.5	19.00	5.20	1.60	0.50	0.50
Typical Mechanical Properties after heat treatment												
0.2% Proof Stress						Tensile Strength	Elongation	Reduction of area		Hardness		
MPA						MPA	%	%		HRC		
2242						2310	6	25		53		

* 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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General Enquiries

T: +44 (0) 1525 217 556 [\(tel:+4401525217556\)](tel:+4401525217556)

E: sales@dynamicmetalsltd.com [\(mailto:sales@dynamicmetalsltd.com\)](mailto:sales@dynamicmetalsltd.com)



UK Address:

Head Office

40 Eden Way
Chartwell Business Park
Leighton Buzzard
Bedfordshire
LU7 4FY

T: +44 (0)1525 217 556 [\(tel:+441525217556\)](tel:+441525217556)

Conversion Centre

Suite 2 Meadowhall Riverside
Meadowhall Road
Sheffield
South Yorkshire
S9 1BW

T: +44 (0)1143 030 320 [\(tel:+4401143030320\)](tel:+4401143030320)

Registered Office (only)

The Granary
Crowhill Farm Ravensden Road
Wilden
Bedfordshire
MK44 2QS

T: +44 (0)1525 217 556 [\(tel:+441525217556\)](tel:+441525217556)



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