

Maraging 350 - AMS 6515

Typical Applications

Landing gear systems

Gears

Fasteners

Missile and Rocket motor cases

Torsion springs

Industrial Cutters

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).

Technical specification

Related Specifications

AMS 6515

UNS K93160

Mil-S-46850D

Specific Gravity

8.0 g/cm³

Chemical Composition (WT %)

	Min	Max
C	-	0.03
Si	-	0.10
Mn	-	0.10

P	-	0.010
S	-	0.010
Al	0.05	0.15
Co	11.5	12.5
Ni	18.0	19.00
Mo	4.6	5.20
Ti	1.30	1.60
Cr	-	0.50
Cu	-	0.50

Typical Mechanical Properties after heat treatment

0.2% Proof Stress	MPA	2242
Tensile Strength	MPA	2310
Elongation	%	6

Reduction of area	%	25
Hardness	HRC	53

Need more information? **Get in touch**

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