

# 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/cm<sup>3</sup>**

### *Chemical Composition (WT %)*

	Min	Max
<b>C</b>	-	0.03
<b>Si</b>	-	0.10
<b>Mn</b>	-	0.10

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

*Typical Mechanical Properties after heat treatment*

<b>0.2% Proof Stress</b>	MPA	2242
<b>Tensile Strength</b>	MPA	2310
<b>Elongation</b>	%	6

<b>Reduction of area</b>	%	25
<b>Hardness</b>	HRC	53

*Need more information? **Get in touch***

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