

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).

Related Products

Maraging 250 Stainless Steel

Maraging 300 Stainless Steel

Maraging 350 Stainless Steel

Technical specification

Related Specifications

AMS 6515

UNS K93160

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

This data has been supplied as a guide only and is not intended to be used as a substitute for a full specification. Mechanical properties may vary with a range of heat treatments and as a result of the heat treatment. Mechanical properties may vary with different supply conditions such as heat treatment, temper and surface condition.

The accuracy of the mechanical properties listed above is subject to any variation in the heat treatment of the material.

The information provided in this specification is intended for use by the customer. The customer is responsible for the interpretation and use of this information. The customer is advised to consult the relevant standards and specifications for the material.

Where appropriate, the customer should refer to the relevant standards for the material and its properties.

All the products described in this specification are subject to the terms and conditions of sale. The customer is advised to consult the relevant standards and specifications for the material.

All the products described in this specification are subject to the terms and conditions of sale. The customer is advised to consult the relevant standards and specifications for the material.

Need more information? **Get in touch**

General Enquiries

+44(0) 1525 217 556

Email us here

Head Office

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

T: +44 (0)1525 217 556

Conversion Centre

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

T: +44 (0)1143 030 320

Useful Links

[Privacy Policy](#)

[Sitemap](#)

