

# **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	AMS 6515				
Gears	<b>UNS</b> K93160				
Fasteners	<b>Mil-S</b> -46850D				
Missile and Rocket motor cases					
Torsion springs					
Industrial Cutters					

### **Chemical Composition (Wt %)**

	С	Si	Mn	Р	S	Al	Со	Ni	Мо	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

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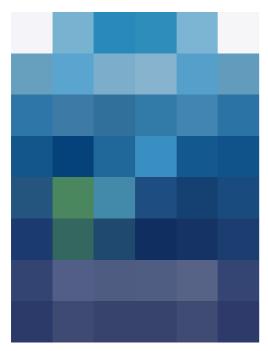
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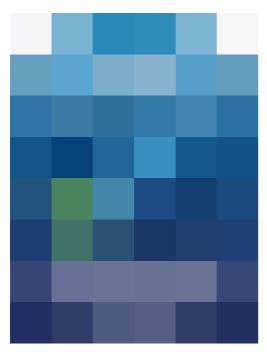
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