AMS 6514 - Maraging 300 Stainless Steel

Typical Applications

Driveshafts

Gears

Fasteners

Landing and Takeoff gear

Missile and ejector systems

Torsion springs

Maraging 300 (also known as Vascomax® 300) is an 18% nickel, cobalt strengthened steel.

It is a very high strength material reaching a UTS of 1930 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 6514

ASTM A538

Mil-S-46850D

UNS K93120

W.Nr 1.6358

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	8.5	9.5
Ni	18.0	19.00
Mo	4.6	5.20
Ti	0.5	0.8
Cr	-	0.5
Cu	-	0.5

Fe	Bal		-

Typical Mechanical Properties after heat treatment

0.2% Proof Stress	MPA	Min	1862
Tensile Strength	MPA	Min	1930
Elongation	&	Min	5
Hardness	HRC	Min	52

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

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