



STEEL

Maraging 300

18% Ni Maraging Steel

Vacuum Induction Melted (VIM) + Vacuum Arc Remelted (VAR)

MEMBER OF



Features and benefits

- Ultra-high strength (1930MPa)
- Good toughness
- Readily machinable in pre-aged condition
- Excellent transverse properties

Typical applications

- Missiles and ejector systems
- Slat tracks
- Drive shafts

Related specifications

MIL-S-46850D

Heat treatment

Solution treat at 820°C and age at 485°C

Chemical analysis

	C	Si	Mn	P	S	Mo	Ni	Co	Ti	Al
Min						4.6	18	8.5	0.50	0.05
Max	0.03	0.10	0.10	0.010	0.010	5.2	19	9.5	0.80	0.15

Mechanical properties of typical specifications

Mechanical properties are Maraging 300 limits

Tensile Strength psi	Elongation %	Hardness HRC
Min	Min	Min
280000	5	52

Supply condition and availability

- Supplied as solution treated machining quality bar
- Readily available from stock in size range 12.7mm - 230mm diameter
- Other sizes available on request

Technical support

We have a comprehensive technical support team available to advise on grade selection and product range to achieve the maximum benefit. Customer Technical support provide specialist advice and help with day-to-day problem solving.

Works based metallurgists and the full resources of our Steel Research and Development Laboratories are available to assist with longer-term developments.

For further information, enquiries or any technical guidance on our range of Aerospace products please contact our experts using the details below.

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