

## MARAGING 300 ACIER INOXYDABLE - AMS 6514

Le Maraging 300 (également appelé Vascomax® 300, AMS 6514) est un acier renforcé à 18% de nickel et cobalt. C'est un matériau de très haute résistance atteignant une Rm de 1930 MPA après traitement thermique. Il est produit par fusion par induction sous vide (VIM) suivie par un refondu sous vide à arc (VAR).

### Specific Gravity

8.0 g/cm<sup>3</sup>

### Typical Applications

Arbres de transmission  
Engrenages  
Fixations  
Train d'atterrissage et de décollage  
Systèmes de missiles et d'éjection  
Torsion springs

### Related Specifications

**AMS 6514**  
  
**ASTM A538**  
  
**Mil-S-46850D**  
  
**UNS K93120**  
  
**W.Nr 1.6358**

### Chemical Composition (Wt %)

|            | C    | Si   | Mn   | P     | S     | Al   | Co  | Ni    | Mo   | Ti  | Cr  | Cu  | Fe  |
|------------|------|------|------|-------|-------|------|-----|-------|------|-----|-----|-----|-----|
| <b>Min</b> | –    | –    | –    | –     | –     | 0.05 | 8.5 | 18.00 | 4.6  | 0.5 | –   | –   | Bal |
| <b>Max</b> | 0.03 | 0.10 | 0.10 | 0.010 | 0.010 | 0.15 | 9.5 | 19.00 | 5.20 | 0.8 | 0.5 | 0.5 | –   |

### Typical Mechanical Properties after heat treatment

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

\* Every effort has been made to ensure that our technical specifications are accurate. However, technical specifications included within Dynamic Metals Ltd should be used as a guideline only and are subject to change without notice.

---

## General Enquiries

T: +44 (0) 1525 217 556 [\\_\(tel:+4401525217556\)](tel:+4401525217556)

E: [sales@dynamicmetalsltd.com](mailto:sales@dynamicmetalsltd.com) [\\_\(mailto:sales@dynamicmetalsltd.com\)](mailto:sales@dynamicmetalsltd.com)



## UK Address:

### *Head Office*

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

T: +44 (0)1525 217 556 [\\_\(tel:+441525217556\)](tel:+441525217556)

### *Conversion Centre*

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

T: +44 (0)1143 030 320 [\\_\(tel:+4401143030320\)](tel:+4401143030320)

### *Registered Office (only)*

The Granary  
Crowhill Farm Ravensden Road  
Wilden  
Bedfordshire  
MK44 2QS

T: +44 (0)1525 217 556 [\\_\(tel:+441525217556\)](tel:+441525217556)



[\(/media/zn2dbklo/cyber-essentials-certified-plus.png\)](#)



[\(/media/dyelbliq/cyber-essentials-certified.png\)](#)