

AMS 6514, MARAGING 300 ACCIAIO INOSSIDABILE

Maraging 300 (noto anche come Vascomax® 300) è un acciaio al 18% rinforzato con nichel e cobalto. È un materiale ad altissima resistenza che raggiunge un UTS di 1930 MPA dopo il trattamento termico. È prodotto tramite Vacuum Induction Melting (VIM) seguito da Vacuum Arc Remelting (VAR).

Specific Gravity													
8.0 g/cm3													
Typical Applications							Related Specifications						
Driveshafts							AMS 6514						
Gears							ASTM A538						
Fasteners							Mil-S-46850D						
Landing and Takeoff gear							UNS K93120						
Missile and ejector systems							W.Nr 1.6358						
Torsion springs													
Chemical Composition (Wt %)													
	C	Si	Mn	P	S	Al	Co	Ni	Mo	Ti	Cr	Cu	Fe
Min	–	–	–	–	–	0.05	8.5	18.00	4.6	0.5	–	–	Bal
Max	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.

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