

AMS 6512, MARAGING 250

Maraging 250 (AMS 6512) è un acciaio al nichel del 18% rinforzato al cobalto. È un materiale ad altissima resistenza che raggiunge 1800 MPa dopo il trattamento termico, ha una buona durata con eccellenti proprietà trasversali. È prodotto da Vacuum Induction Melting (VIM) seguito da Vacuum Arc Remelting (VAR).

Specific Gravity																
8.02 g/cm ³																
Typical Applications								Related Specifications								
Driveshafts								AMS 6512								
Gears								BS S162								
Fasteners								DTD 5212								
Landing and Takeoff gear								G110								
Missile and ejector systems								Mil-S-46850D								
								W.Nr 1.6359								
Chemical Composition (Wt %)																
	C	Si	Mn	P	S	Al	B	Ca	Co	Cr	Mo	Ni	Ti	Zr	Cu	Fe
Min	–	–	–	–	–	0.05	–	–	7.0	–	4.6	17.0	0.30	–	–	Bal
Max	0.03	0.10	0.10	0.010	0.15	0.005	0.005	0.05	8.5	0.5	5.2	19.00	0.50	0.02	0.05	–
Typical Mechanical Properties after heat treatment																
								0.2% Proof Stress	Tensile Strength		Elongation	Reduction of area	Impacts			
								MPA	MPA		%	%	(Izod)			
								Min	Min	Max	Min	Mon	ft lbf			
Longitudinal								1700	1800	2000	8	40	18			
Transverse								1700	1800	2000	5	25	8			
Hardness after Heat Treatment																
520-620 HV																
* 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)



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)



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