

A286 STAINLESS STEEL BAR - AMS 5726, AMS 5731, AMS 5732

A286 is a precipitation hardenable alloy. High nickel and chromium content gives it a good resistance to corrosion up to about 1300 Deg C and Oxidation up to about 1500 Deg F. A286 (UNS S66286) can be age hardened to a high strength level. The alloy is also used for low temperature applications requiring a ductile, non-magnetic high strength material at temperatures ranging from above room temperature down to at least -320 Deg F. The alloy (AMS 5726, AMS 5731, AMS 5732, AMS 5737) may be used for moderate corrosion applications in aqueous solutions.

AMS 5731, AMS 5732, AMS 5737) may be used for moderate corrosion applications in aqueous solutions. Specific Gravity																
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7.9 g/cm3																
Typical Applications								Related Specifications								
Fasteners								AMS	572	6						
Stud Bolts								AMS 5731								
Industrial Gas Turbines								AMS 5732								
								AMS 5737								
								BS HR 51								
								BS HR 52								
								W.Nr 1.4943								
								W.Nr 1.4944								
								UNS S66286								
Chemical Composition (Wt %)																
	С	Mn	Р	s	Si	С	r	Ni	Мо	Ti	v	AI	В	Fe		
Min	_	_	_	-	-	13	3.5	24	1	1.9	0.10	-	0.003	_		
Max	0.08	2.0	0.025	0.025	1	16	6	27	1.5	2.35	0.50	0.035	0.010	Bal		
Typical Mechanical Properties																
					Proof		l	Tensile Strength		Elongation		eduction of area	Hard	Hardness		

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	MPA	MPA	%	%	НВ
	Min	Min	Min	Min	
Sol treated and Aged 1800 Deg F (AMS 5732)	586	896	15	1	248 – 341
Sol Treated and Aged 1650 Deg F (AMS 5737)	655	965	12	_	277 – 363

^{*} This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with differer

General Enquiries

T: +44 (0) 1525 217 556 (tel:+4401525217556)

E: sales@dynamicmetalsltd.com <u>(mailto:sales@dynamicmetalsltd.com)</u>



UK Address:

Head Office

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

T: +44 (0)1525 217 556 (tel:+441525217556)

Conversion Centre

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

T: +44 (0)1143 030 320 (tel:+4401143030320)

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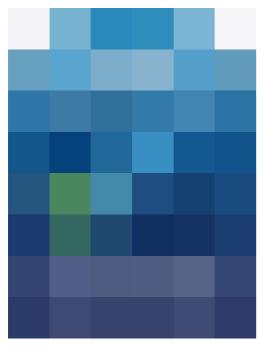
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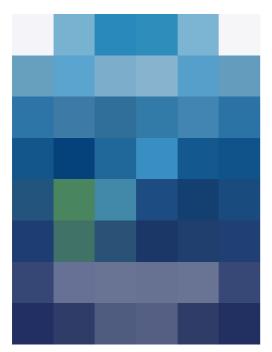
Registered Office (only)

The Granary Crowhill Farm Ravensden Road Wilden Bedfordshire MK44 2QS

T: +44 (0)1525 217 556 (tel:+441525217556)



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