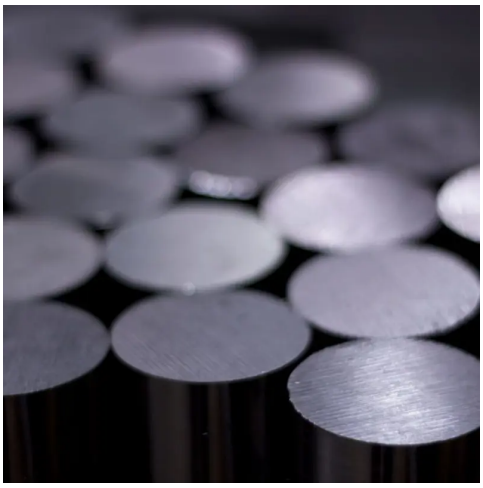
A286 Stainless Steel Bar - AMS 5726, AMS 5731, AMS 5732

Typical Applications

Fasteners

Stud Bolts

Industrial Gas Turbines



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.

Related Products

15 5Ph Stainless Steel

17 4Ph

17 7Ph

431 - 1-4057 STAINLESS STEEL

A286 Bar

A286 Sheet

Aermet 100

Ph 13 8Mo

S145 Stainless Steel

Technical specification

Related Specifications

AMS 5726

AMS 5731

AMS 5732

AMS 5737

BS HR 51

BS HR 52

W.Nr 1.4943

W.Nr 1.4944

UNS S66286

Specific Gravity

7.81 g/cm3

Chemical Composition (WT %)

	Min	Max

C	-	0.08
Mn	-	2.0
P	-	0.025
S	-	0.025
Si	-	1.00
Cr	13.5	16
Ni	24	27
Mo	1	1.5
Ti	1.9	2.35
V	16.00	18.00
Al	-	0.035
B	0.003	0.010
Fe	-	Bal

Typical Mechanical Properties in the Annealed Condition

			Sol treated and Aged 1800 Deg F (AMS 5732)	Sol Treated and Aged 1650 Deg F (AMS 5737)
0.2% Proof Stress	MPA	Min	586	655

Tensile Strength	MPA	Min	896	965
Elongation	%	Min	15	12
Reduction of area	%	Min	-	-
Hardness	HB		248 – 341	277 – 363

Need more information? ***Get in touch***

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