

Incoloy A-286 is a precipitation hardening alloy with high strength and good corrosion resistance at temperatures up to 704°C. It is used extensively in the petro-chemical, aerospace and oil field industries, especially for fasteners, stud-bolts.

Incoloy A-286 Specification

UNS	W.Nr
S66286	1.4980

Incoloy A-286 Chemical composition

Grade	%	Ni	Cr	Mo	B	P	Al	Ti	C	Mn	Si	V	S	Fe
Incoloy A286	Min	24	13.5	1.0	0.001			1.75				0.10		Bal.
	Max	27	16	1.5	0.01	0.03	0.40	2.35	0.08	2.0	1.0	0.50	0.02	

Incoloy A-286 Mechanical properties: (Minimum value at 20°C)

Tensile Strength σ_b /MPa	Yield Strength $\sigma_{p0.2}$ /MPa	Elongation σ_5 /%
610	270	30

Incoloy A-286 Standards

Bar/Rod	Forging
ASTM B638	ASTM B638

Incoloy A-286 Size Range

- Wire: Dia 0.08-12mm
- Bar: Dia1.0-300mm
- Strip(Coil): 0.2-20mm TCK x 10-300mm W
- Sheet: min.0.7mm TCK x 1200mm W max.
- Tube & Forging & Machine Parts: customized
- Welding wire: 0.8mm,1.0mm,1.2mm,2.0mm,2.4mm,3.2mm,3.8mm,4.0mm etc
- Welding Strip: 0.4-0.7mm TCK x 25-60mm W