

Ideal for gas turbine engines and aerospace applications, Waspaloy is an age-hardened super alloy known for its extraordinary high temperature strength. Waspaloy fasteners exceed the strength and stability of Inconel 718 at elevated temperatures beyond 1400°F up to 1600°F. In addition, Waspaloy is very oxidation resistant.

### Properties

Ultimate Tensile Strength	193 ksi
Yield Strength at 0.2%	132 ksi
Elongation %	27
Usable Temperature Limit	1600°F / 871°C

### Key Benefits

- Unique combination of extreme high strength and high temperature stability
- Very oxidation resistant
- Usable to 1600°F

### Chemistry & Specifications

Waspaloy	Ni	Cr	Co	Mo	Ti	Fe	Al	Mn	Si	Cu	Zr	C	P	S	B
Min %	-	18.0	12.0	3.50	2.75	-	1.20	-	-	-	0.02	0.02	-	-	0.003
Max %	Bal	21.0	15.0	5.00	3.25	2.0	1.60	1.00	0.75	0.50	0.12	0.10	0.030	0.030	0.010

SPECIFICATIONS: UNS N07001, ASTM B 637, AMS 5708, AMS 5709, EN 2.4654, Werkstoff 2.4654

### Material Data

