



Waspaloy

(UNS N07001) W Nr. 2.4654

Chemical composition	C	Si	Mn	Cr	Ni	Co	Mo	Ti	Al	Fe	P	S
% Present (Max)	0.02 – 0.10	≤0.75	≤1.00	18.0 – 21.0	Balance	12.0 – 15.0	3.5 – 5.0	2.75 – 3.50	1.20 – 1.60	≤2.00	≤0.030	≤0.030

Waspaloy is a nickel-chromium-cobalt superalloy strengthened by precipitation hardening. It is designed for high-temperature strength, creep resistance, and oxidation resistance up to approximately 870°C (1600°F). It maintains excellent mechanical properties under sustained high-temperature loading, making it suitable for aerospace gas turbine components and high-performance engine parts. Compared to Alloy 718, Waspaloy offers better strength at elevated temperatures, though it is more difficult to machine.

Note: Values are in accordance with EN 10088 specifications. Actual mill certs available upon request.

