

Waspaloy CR® round bar cold-reduced AMS 5708 (Type 1 is capable of AMS 5709) is a nickel-based alloy containing chromium and cobalt typically used in aircraft fasteners where high strength up to 1500°F and oxidation resistance up to 1750° F is required. Waspaloy CR® round bar is multiple melted, usually with either a vacuum induction melt (VIM) followed by a vacuum arc remelt (VAR), or a vacuum induction melt (VIM) followed by an electroslag remelt (ESR).

Waspaloy CR® annealed cold-worked ground hardness max. 44 HRC

Nominal Composition %

C	Carbon - 0.02 – 0.10%
Mn	Manganese - 0.10% max
Si	Silicon - 0.15% max
P	Phosphorous - 0.015% max
S	Sulfur - 0.015% max
Cr	Chromium - 18.00 - 21.00%
Co	Cobalt - 12.00 - 15.00%
Mo	Molybdenum - 3.50 - 5.00%
Ti	Titanium - 2.75 - 3.25%
Al	Aluminum - 1.20 - 1.60%

Percent by weight, maximum unless a range is listed.

Standard Inventory Specifications

- AMS 5708 Type 1
- AMS 5709 (Capable of)
- UNS NO7002

Forms Stocked

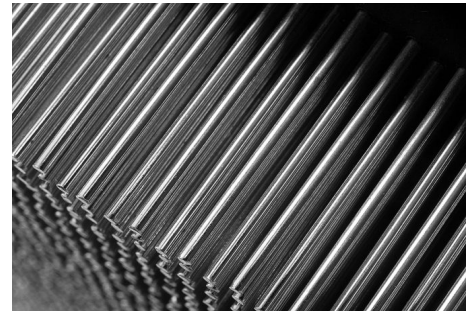
- Waspaloy CR Bar

Thickness Stocked

- 0.260" - 0.4475"

Applications

- Aerospace fasteners



Call 1.888.282.3292

Or click here to view our product page and request a quote on Waspaloy Cold Reduced Bars

Features

- High strength up to 1500°F and oxidation resistance up to 1750°F

Waspaloy® is a registered trademark of Pratt & Whitney, a United Technologies Company.

The technical data provided is for information only and not for design purposes. It is not warranted or guaranteed.

Physical and Mechanical Properties

Properties	Value
Density	0.296lb/in ³ (8.19 g/cm ³)