



Highly resistant
to corrosive environments

Superior strength,
toughness, and durability

Low magnetism
across a wide temperature range

Excellent weldability



The Ni-Cu you need **NEVER-SETTLE METAL**

The most trusted alloys for the most unforgiving conditions

Carpenter Technology's nickel-copper alloys are deployed in demanding environments worldwide.

Deep in the ocean. Submerged in processing chemicals. From subzero service conditions to 900°F. When operations, infrastructure, and lives are on the line, our Ni-Cu alloys deliver.



POWERFUL METALLURGY

High-strength alloys engineered to last, with superior corrosion resistance in sea water, high-temperature steam, salt, and caustic solutions.



QUALIFIED PRODUCTS

Industry- and quality-certified bar, strip, and wire are available in the high-demand sizes you need and finished to demanding specifications.










SHORTER LEAD TIMES

From raw material selection, through inspection, and finally certification, our fully integrated production ensures a consistent, secure, and agile supply.



Alloys built to DEFY THE ELEMENTS

ALLOY	DESCRIPTION	APPLICABLE SPECIFICATIONS	PRODUCT FORMS
Ni-Cu K500	Age-hardenable nickel-copper alloy with similar corrosion resistance to Ni-Cu 400, but greater strength and hardness capabilities thanks to Ni3 (ti,Al) precipitation.	QQ-N-286 Rev E/F/G AMS 4676 ASTM B865	 WIRE  STRIP  BAR
Ni-Cu 405	Sulfur-enhanced variant of Ni-Cu 400 designed to improve machinability. While the sulfur addition slightly reduces corrosion resistance, it offers a practical performance trade-off for many applications.	ASTM B164 QQ-N-281D	 WIRE  BAR
Ni-Cu 400	Solid solution-strengthened nickel-copper alloy that can achieve higher strength through cold working. Exceptional corrosion resistance paired with high strength and toughness, while maintaining low magnetism across wide temperature ranges.	ASTM B164 QQ-N-281D	 WIRE  BAR

**Real-world performance.
Ready for action.**

info@cartech.com | +1 610 208 2000

CarpenterTechnology.com

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