sales@mozaicprecision.com
847-637-8379

Nickel alloy shaft stock

Nickel-alloy buyer hub | Mozaic Precision Metals technical reference

Shaft grade must be defined by UNS, service environment and dimensional needs.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	Nickel alloy shaft stock
Alloy or product family	Nickel-alloy buyer hub
Chemical / material identity	Nickel-copper, nickel-chromium and nickel-molybdenum alloys are distinct families
Selection consideration	Shaft grade must be defined by UNS, service environment and dimensional needs
Condition / temper	Select Monel 400, Alloy 718, X-750, Hastelloy C276 or other qualified grade
Reference standard to verify	Use individual nickel-alloy ASTM/AMS bar specifications
Typical applications	Corrosion-resistant pump shafts, high-temperature shafts, specialty rotating stock
Limits / cautions	Supplier must confirm grade-specific modulus, strength, corrosion limits and processability

RELATED MATERIAL CONSIDERATIONS

Compare Monel 400 versus Inconel grades by service condition.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. Select Monel 400, Alloy 718, X-750, Hastelloy C276 or other qualified grade.

SOURCING & QUALITY NOTE

Mozaic reviews precision grinding, straightening, polishing, cutting and packaging to order-specific requirements. Numeric strength, chemistry and condition limits must be checked against the applicable specification and actual mill test report.

Reference starting point: Special Metals, INCONEL alloy technical bulletin index

Material page: https://mozaicprecision.com/material/nickel-alloy-shaft/

General reference: not a mill test report, certified analysis, stock guarantee or design approval.