sales@mozaicprecision.com
847-637-8379

Maraging 300 steel bar

Maraging steel | Mozaic Precision Metals technical reference

Ultrahigh strength develops by aging rather than conventional carbon martensite hardening.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	Maraging 300 steel bar
Alloy or product family	Maraging steel
Chemical / material identity	Low-carbon high-nickel maraging system with cobalt and molybdenum additions
Selection consideration	Ultrahigh strength develops by aging rather than conventional carbon martensite hardening
Condition / temper	Identify solution-annealed versus aged condition and required strength class on the purchase order
Reference standard to verify	Use exact AMS or customer material specification and strength class
Typical applications	High-load shafting, aerospace tooling, specialized structural components
Limits / cautions	Maraging 300 is not a conventional D2 or A2 tool-steel substitute; weld and aging requirements are application dependent

RELATED MATERIAL CONSIDERATIONS

Compare A286 for age-hardenable corrosion-resistant alloy needs; not equivalent in chemistry.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. Identify solution-annealed versus aged condition and required strength class on the purchase order.

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/maraging-300/

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