sales@mozaicprecision.com
847-637-8379

15-5 PH stainless round bar

Precipitation-hardening stainless | Mozaic Precision Metals technical reference

Strength develops by prescribed aging conditions following appropriate solution treatment.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	15-5 PH stainless round bar
Alloy or product family	Precipitation-hardening stainless
Chemical / material identity	UNS S15500 nickel-copper precipitation-hardening martensitic alloy
Selection consideration	Strength develops by prescribed aging conditions following appropriate solution treatment
Condition / temper	Specify Condition A or H900/H1025/H1075/H1150, drawing and mechanical requirements
Reference standard to verify	AMS 5659 when specifically required; other ASTM specs as applicable
Typical applications	Aircraft fittings, mechanical shafts, precision fasteners
Limits / cautions	15-5 and 17-4 are related but not interchangeable for certification

RELATED MATERIAL CONSIDERATIONS

Compare 17-4 PH and A286 by environment and heat-treat condition.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. Specify Condition A or H900/H1025/H1075/H1150, drawing and mechanical requirements.

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: ASTM International standards catalog (check exact standard)

Material page: https://mozaicprecision.com/material/15-5ph/

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