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17-4 PH stainless steel round bar

Precipitation-hardening stainless | Mozaic Precision Metals technical reference

Buyer-focused material sourcing guide for ground bars distinct from aging-conditions article.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	17-4 PH stainless steel round bar
Alloy or product family	Precipitation-hardening stainless
Chemical / material identity	UNS S17400 chromium-nickel-copper precipitation-hardening stainless
Selection consideration	Buyer-focused material sourcing guide for ground bars distinct from aging-conditions article
Condition / temper	Specify Condition A or H900/H1025/H1100/H1150 per purchase order
Reference standard to verify	ASTM A564 or AMS 5643 when appropriate
Typical applications	Pump shafts, aerospace fasteners, precision turned bars
Limits / cautions	Do not duplicate the dedicated heat-treatment table; link instead

RELATED MATERIAL CONSIDERATIONS

Compare 15-5 PH and 17-4 heat treatment guide.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. Specify Condition A or H900/H1025/H1100/H1150 per 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: ASTM International standards catalog (check exact standard)

Material page: https://mozaicprecision.com/material/560-2/

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