sales@mozaicprecision.com
847-637-8379

Aircraft quality steel round bar

Certification/quality hub | Mozaic Precision Metals technical reference

Describe AMS/ASTM compliance, traceability, segregation and inspection.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	Aircraft quality steel round bar
Alloy or product family	Certification/quality hub
Chemical / material identity	Aircraft-quality is a documentation and product specification concept, not a universal alloy
Selection consideration	Describe AMS/ASTM compliance, traceability, segregation and inspection
Condition / temper	Specify AMS grade such as 4340, 9310, A286 or 17-4 and require MTR
Reference standard to verify	Applicable AMS specifications and documentation as ordered
Typical applications	Landing gear shafts, actuator hardware, certified machined stock
Limits / cautions	ISO 9001 alone does not certify an individual heat to aerospace AMS requirements

RELATED MATERIAL CONSIDERATIONS

Compare certified 9310 and 4340 pages by purchase standard.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. Specify AMS grade such as 4340, 9310, A286 or 17-4 and require MTR.

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: SAE J403: Chemical Compositions of SAE Carbon Steels

Material page: https://mozaicprecision.com/material/aircraft-steel/

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