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Aluminum bar stock supply

Aluminum category hub | Mozaic Precision Metals technical reference

Buyers should select grade, temper and shape according to mechanical and machining needs.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	Aluminum bar stock supply
Alloy or product family	Aluminum category hub
Chemical / material identity	Aluminum 2xxx, 6xxx and 7xxx wrought series cover different alloy mechanisms
Selection consideration	Buyers should select grade, temper and shape according to mechanical and machining needs
Condition / temper	Confirm T6/T651/other tempers and extrusion versus drawn round bar
Reference standard to verify	ASTM B211/B211M and relevant wrought aluminum bar standards
Typical applications	CNC turning stock, shafts, fixtures
Limits / cautions	Grade and temper comparisons must consider product form and corrosion requirements

RELATED MATERIAL CONSIDERATIONS

Compare 2011 free-machining, 2024 high-strength, 6061 general purpose and 7075 strength-focused.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. Confirm T6/T651/other tempers and extrusion versus drawn round bar.

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: The Aluminum Association, Aluminum Standards & Data

Material page: https://mozaicprecision.com/material/aluminum-bar-stock/

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