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304 stainless shaft bar stock

Austenitic stainless shafting | Mozaic Precision Metals technical reference

Supply/finish-focused page: straightness, bar feeding, OD and protective handling.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	304 stainless shaft bar stock
Alloy or product family	Austenitic stainless shafting
Chemical / material identity	UNS S30400 Cr-Ni austenitic stainless for ground shaft stock
Selection consideration	Supply/finish-focused page: straightness, bar feeding, OD and protective handling
Condition / temper	Specify OD tolerance, length, straightness and grinding/polishing targets
Reference standard to verify	ASTM A276/A479 as ordered; straightness in purchase document
Typical applications	Pump shafts, machine shafts, process equipment rods
Limits / cautions	Do not confuse straightness TIR with OD tolerance or claim one universal guarantee

RELATED MATERIAL CONSIDERATIONS

Compare general 304 bar page and precision shafting service.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. Specify OD tolerance, length, straightness and grinding/polishing targets.

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/564-2/

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