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9310 steel round bar

Case-hardening steel | Mozaic Precision Metals technical reference

Emphasize buyer quantities, annealed/normalized bar and heat-treatment route.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	9310 steel round bar
Alloy or product family	Case-hardening steel
Chemical / material identity	Low-carbon nickel-chromium-molybdenum alloy used for carburized components
Selection consideration	Emphasize buyer quantities, annealed/normalized bar and heat-treatment route
Condition / temper	Specify chemistry, case-depth finish allowances and exact AMS when required
Reference standard to verify	SAE/AISI 9310, AMS 6260 when needed
Typical applications	Gear blanks, pinions, bearing components
Limits / cautions	Carburized properties apply only after appropriate treatment, not as-received bar

RELATED MATERIAL CONSIDERATIONS

Compare 8620 case-hardening steel and 4340 Q&T; steel.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. Specify chemistry, case-depth finish allowances and exact AMS when required.

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/9310-steel/

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