sales@mozaicprecision.com
847-637-8379

1141 resulfurized steel round bar

Resulfurized carbon steel | Mozaic Precision Metals technical reference

Balance machinability and heat-treatment response for shafting.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	1141 resulfurized steel round bar
Alloy or product family	Resulfurized carbon steel
Chemical / material identity	SAE 1141 is a medium-carbon resulfurized steel
Selection consideration	Balance machinability and heat-treatment response for shafting
Condition / temper	Specify cold finished vs hot rolled and exact hardness state
Reference standard to verify	SAE J403 and ASTM A29/A29M
Typical applications	Shafts, studs, screw-machine fasteners
Limits / cautions	1141 may show lower weldability than mild steels due to sulfur and carbon

RELATED MATERIAL CONSIDERATIONS

Compare 1144 StressProof product and 11L41 leaded variant.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. Specify cold finished vs hot rolled and exact hardness state.

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/1141-steel-round-bar/

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