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41L40 leaded alloy steel

Leaded chromium-molybdenum steel | Mozaic Precision Metals technical reference

Primary parent grade reference for leaded Cr-Mo machining alloys.

GRADE / PRODUCT SELECTION

REFERENCE FIELD	SPECIFICATION / BUYER INFORMATION
Material / product	41L40 leaded alloy steel
Alloy or product family	Leaded chromium-molybdenum steel
Chemical / material identity	SAE 41L40 adds lead to 4140 chromium-molybdenum chemistry
Selection consideration	Primary parent grade reference for leaded Cr-Mo machining alloys
Condition / temper	Define annealed/HT condition and permitted lead chemistry on MTR
Reference standard to verify	SAE J404 41L40 and applicable product standard
Typical applications	Precision shafts, turning stock, threaded rods
Limits / cautions	Three related site pages overlap; only one should be primary after traffic analysis

RELATED MATERIAL CONSIDERATIONS

Compare 41L40 stock and 4140 nonleaded.

ORDERING & PROCESSING REQUIREMENTS

Specify the exact grade/product standard, condition, dimensions, quantity, surface finish, straightness and required certification. Define annealed/HT condition and permitted lead chemistry on 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/41l40-steel/

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