

SUCKER RODS



Grade HS (H Special)

SPECIFICALLY FORMULATED FOR DEEP WELLS AND/OR HEAVY ROD LOADS

The grade HS sucker rod is manufactured from modified UNS G43300 nickel-chromium-molybdenum alloy steel. After normalizing and tempering with specially selected temperatures to maximize impact properties, all rods are shot peened per our own unique standards, developed to significantly improve corrosion and fatigue resistance. Recommended for reciprocating rod lift applications, the grade HS sucker rod is designed to maximize performance and improve runtime in slight to mildly corrosive fluids that are effectively inhibited to prevent corrosion. Grade HS sucker rods are suitable for Progressing Cavity Pumping (PCP) applications with slim hole, high strength couplings.

MADE IN AMERICA

LUFKIN Rods is the only privately owned and operated Sucker Rod manufacturing plant in the USA. All our products are sourced and manufactured domestically, and our advanced manufacturing plant ensures the highest quality possible. Our automated system continually monitors the manufacturing process and ensures the quality is consistent from start to the finish. Throughout the entire manufacturing process our quality control is unmatched in the industry. We offer more experience than any other sucker rod provider and offer unparalleled solutions for your rod lift applications. LUFKIN Rods will help you meet or exceed your goals, and can offer expert help with predictive designs, product selection, failure analysis, training and more. Put our experienced team to work for you and reduce your failure rates and improve your bottom line.



API 11B Certified.

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SUCKER ROD - GRADE HS - SPECIFICATIONS



CHEMICAL

Color Code	Purple
UNS Series Steel	G43300
Carbon, %	0.30 to 0.34
Manganese, %	0.70 to 1.10
Phosphorus, %	0.03 max.
Sulfur, %	0.035 max.
Silicon, %	0.15 to 0.35
Nickel, %	1.65 to 1.85
Chromium, %	0.90 to 1.10
Molybdenum, %	0.15 to 0.30
Vanadium, %	0.07 to 0.10
Copper, %	0.35 max.

MECHANICAL

Yield Strength, 2-inch offset, psi	115,000 min.
Tensile Strength, psi	140,000 to 150,000
Elongation, 8-inches, %	10 min.
Reduction of Area, %	40 min.

BUILT TO LAST

Made to Perform

Headquarters

811 Willow Oak Dr,
Missouri City, TX 77489
(281) 495-1100

Manufacturing Plant

502 South Oakland Ave
Nappanee, IN 46550
(574) 227-1288

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