



SUCKER RODS

Grade HA (High Strength Alloy)

SPECIFICALLY FORMULATED FOR DEEP WELLS AND/OR HEAVY ROD LOADS

The grade HA sucker rod is manufactured from modified UNS G41380 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 HA sucker rod is designed to maximize performance and improve runtime in fluids that are effectively inhibited to prevent corrosion. Grade HA sucker rods are ideally suited for use in 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 systems continually monitor the manufacturing process and ensures the quality is consistent from start to finish. Throughout the entire manufacturing process, our quality control is unmatched in the industry. We offer more experienced personnel than any other sucker rod provider and offer unparalleled solutions for all your rod lift applications. LUFKIN Rods will help you meet or exceed your production goals, and can offer expert help with predictive designs, product selection, failure analysis, training and much more. Put our experienced team to work for you and let us help you reduce your failure rates and improve your bottom line.



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lufkin.com/rods

SUCKER RODS - GRADE HA - SPECIFICATIONS

LUFKIN

RODS

CHEMICAL

Color Code	Green
UNS Series Steel	G41380
Carbon, %	0.38 to 0.43
Manganese, %	1.00 to 1.30
Phosphorus, %	0.03 max.
Sulfur, %	0.035 max.
Silicon, %	0.15 to 0.35
Nickel, %	0.30 max.
Chromium, %	0.50 to 0.90
Molybdenum, %	0.24 to 0.35
Vanadium, %	0.07 to 0.11
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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Chemical and mechanical specifications are subject to change without notice.

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