

# SUCKER RODS



## Grade KD (D Special)

### **SPECIFICALLY FORMULATED FOR MEDIUM DEPTH WELLS AND/OR MODERATE ROD LOADS**

The grade KD sucker rod is manufactured from modified UNS G47200 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 KD sucker rod is designed to maximize performance and improve runtime in fluids that are effectively inhibited to prevent corrosion. The grade KD sucker rod is suitable for some 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.



# SUCKER ROD - GRADE KD - SPECIFICATIONS

**LUFKIN**

**RADS**

## CHEMICAL

Color Code	Orange
UNS Series Steel	G47200
Carbon, %	0.19 to 0.23
Manganese, %	0.85 to 1.05
Phosphorus, %	0.03 max.
Sulfur, %	0.04 max.
Silicon, %	0.15 to 0.35
Nickel, %	0.90 to 1.20
Chromium, %	0.80 to 1.05
Molybdenum, %	0.22 to 0.30
Vanadium, %	0.02 to 0.045
Copper, %	0.40 to 0.60

## MECHANICAL

Yield Strength, 2-inch offset, psi	85,000 min.
Tensile Strength, psi	115,000 to 140,000
Elongation, 8-inches, %	10 min.
Reduction of Area, %	45 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

API 11B Certified.

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