

---

# SUCKER ROD PRODUCT DATASHEET

## EH



V. 2015



## Exceed EH High Strength Sucker Rod

### Product Overview

Material	Special Alloy Steel
Heat-treatment Method	Quenched and tempered + Case Hardened
Suitable Application and Environment	Extreme Heavy Load, Non-corrosive Wells

### Specifications

#### Mechanical Properties

Tensile Strength		Yield		Fatigue Strength		Elongation	Reduction	Hardness RC
Ksi	Mpa	Ksi	Mpa	$\sigma_{0.1}$ MPa	cycles	2", %	%	
144-180	993-1241			78.3	$\geq 1 \times 10^6$			

#### Chemical Composition

Al	C	Cr	Cu	Mn	Mo	Ni	Nb	P	Si	S	V
	0.25-0.28	0.80-1.10	$\leq 0.2$ 0	0.40-0.70	0.15-0.25	$\leq 0.3$ 0		$\leq 0.0$ 25	0.17-0.37	$\leq 0.0$ 25	

#### Maximum Allowable Stress

$$S_a = SF(55,000 + 0.2 S_{min})$$

### General Information

EH rod is designed for heavy load and fatigue environment. During the manufacturing process, EH's post forge induction hardening process is fully automated and controlled with the highest precision, creating a uniform outer layer. This greatly reduces the risk of developing fatigue cracks on the rod body that is often originated at the surface, allowing the EH rod to outperform competing products in the toughest environment.

Exceed EH sucker rods are available in 3/4", 7/8", and 1" diameters; 25 or 30ft in length.

