
SUCKER ROD PRODUCT DATASHEET

EHK



V. 2018



Exceed EHK High Strength Sucker Rod

Product Overview

Material	AISI 3130 steel
Heat-treatment Method	Quenched and Tempered
Suitable Application and Environment	Heavy Loading, Deep and Inhibited Corrosive Wells

Specifications

Mechanical Properties

Tensile Strength		Yield		Fatigue Strength		Elongation	Reduction	Hardness RC
Ksi	Mpa	Ksi	Mpa	$\sigma_{0.1}$ MPa	cycles	2", %	%	
140-155	965-1068	≥130	≥896	-	-	≥11	≥50	30-35

Chemical Composition

C	Si	Mn	P	S	Cr	Ni	Cu	Mo	V	Al	Nb
0.22-0.29	0.15-0.35	0.71-1.00	≤0.025	≤0.035	0.41-0.65	0.70-1.00	≤0.35	≤0.05	-	-	-

Maximum Allowable Stress

$$S_a = SF \left(\frac{140,000}{2.8} + 0.375 S_{min} \right)$$

General Information

EHK is manufactured with AISI 3130 alloy steel, and to the dimension of API-11B specification. This product is available in 3/4", 7/8" and 1" in diameters, and 25ft or 30ft in length.

