
SUCKER ROD PRODUCT DATASHEET

EKD



V. 2020



Exceed EKD Sucker Rod

Product Overview

Material	3130M
Heat-treatment Method	Quenched and Tempered
Suitable Application and Environment	Light to Medium Loading, Inhibited Corrosive Wells

Specifications

Mechanical Properties

Tensile Strength		Yield		Fatigue Strength		Elongation	Reduction
Ksi	Mpa	Ksi	Mpa	$\sigma_{0.1}$ MPa	cycles	2", %	%
125/140	862/965	≥115	≥793	-	-	≥12	≥55

Chemical Composition

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

Maximum Allowable Stress

$$S_a = SF \left(\frac{125,000}{2.8} + 0.375 S_{min} \right)$$

General Information

EKD sucker rods are 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.

