STEEL SUCKER RODS LINE 2026

Engineered to last, we distribute the best performing sucker rods on the market today, allowing wells to produce at optimum levels longer.

Type		30	40	54	75	78	90	96	97	CS
AISI Series		C-1541-VM	A-4623-M	C-1541-VM	A-4330-M	A-4142-M	A-4320-M	A-4138-M	A-4330-M	A-43XX
API Grade		C	K	D Carbon	D Special	D Alloy	D Special			Special
Chemical Properties %		**30**	**40**	**54**	**75**	**78**	**90**	**96**	**97**	**CS**
Aluminum	(Al)	-	-	0.35 Max.	0.35 Max.	0.35 Max.	0.35 Max.	0.35 Max.	0.35 Max.	Proprietary
Carbon	(C)	0.40/0.44	0.20/0.25	0.36/0.45	0.30/0.34	0.38/0.45	0.18/0.24	0.36/0.45	0.28/0.35	Proprietary
Chromium	(Cr)	0.20 Max.	0.20 Max.	0.30 Max.	0.80/1.00	0.80/1.10	0.70/0.90	0.52/0.88	0.70/1.00	Proprietary
Copper	(Cu)	0.35 Max.	0.35 Max.	0.35 Max.	0.35 Max.	0.35 Max.	0.35 Max.	0.35 Max.	0.35 Max.	Proprietary
Manganese	(Mn)	1.40/1.60	0.60/0.80	1.35/1.65	0.80/1.00	0.80/1.00	0.80/1.00	0.88/1.52	0.70/1.00	Proprietary
Molybdenum	(Mo)	0.06 Max.	0.15/0.25	0.06 Max.	0.20/0.30	0.15/0.25	0.20/0.30	0.25/0.35	0.20/0.30	Proprietary
Nickel	(Ni)	0.25 Max.	1.85/2.00	0.35 Max.	1.65/2.00	0.45 Max.	1.15/1.50	0.30 Max.	1.65/2.00	Proprietary
Niobium	(Nb)	-	-	-	-	-	-	0.02/0.045	-	Proprietary
Phosphorus	(P)	0.04 Max.	0.035 Max.	0.04 Max.	0.035 Max.	0.035 Max.	0.025 Max.	0.035	0.035 Max.	Proprietary
Silicon	(Si)	0.15/0.35	0.15/0.35	0.15/0.35	0.15/0.35	0.15/0.35	0.15/0.35	0.20/0.35	0.15/0.35	Proprietary
Sulfur	(S)	0.040 Max.	0.035	0.04 Max.	0.04 Max.	0.035 Max.	0.025 Max.	0.04 Max.	0.04 Max.	Proprietary
Vanadium	(V)	0.05/0.07	0.05/0.07	0.04/0.09	0.04/0.09	0.02/0.07	0.04/0.09	0.04/0.09	0.04/0.09	Proprietary
Physical Properties (As Normalized & Tempered)		**30**	**40**	**54**	**75**	**78**	**90**	**96**	**97**	**CS**
Tensile ksi		90/115	90/115	115/140	125/140	120/140	120/140	140/150	140/150	130/145
Tensile Mpa		621/793	621/793	793/965	861/965	827/965	827/965	965/1034	965/1034	896/1000
Yield, 2% Offset ksi		60 Min.	60 Min.	85 Min.	100 Min.	95 Min.	95 Min.	115 Min.	115 Min.	115 Min.
Yield, 2% Offset Mpa		414 Min.	414 Min.	586 Min.	689 Min.	655 Min.	655 Min.	793 Min.	793 Min.	793 Min.
Elongation 8in		13 Min.	16 Min.	15 Min.	10 Min.	10 Min.	10 Min.	10 Min.	10 Min.	10%
Reduction %		40 Min.	55 Min.	50 Min.	45 Min.	45 Min.	45 Min.	45 Min.	45 Min.	50%
Hardness HRC		(9)/23	(9)/23	22/30	23/31	23/31	23/31	30/34	30/34	NA

Type 30 is an **API Grade C carbon steel rod (AISI C-1541-M)**. It is heat-treated to improve fatigue resistance and is designed for **reciprocating lift applications in shallow-to-medium depth wells**. It performs best in **non-corrosive or effectively inhibited corrosive fluids**.

Type 40 is an **API Grade K alloy steel rod (AISI A-4621-M, nickel-chromium-molybdenum)**. It is alloyed and heat-treated to enhance fatigue strength and provide **better corrosion tolerance**. It is also intended for **shallow-to-medium depth wells**.

Type 78 is an **API Grade D alloy rod made from chromium-molybdenum steel (AISI A-4142-M)**. It is heat-treated for higher fatigue resistance and can be used in **reciprocating lift applications at any depth within allowable stress limits**. It performs well in **non-corrosive or inhibited corrosive environments** and is **recommended for Progressive Cavity Pump (PCP) systems**.

Type 96 is a **high-strength alloy rod made from chromium-molybdenum steel (AISI A-4138-M)**. It is designed for **heavy-load reciprocating lift operations at any depth** while remaining within stress limits. Heat treatment improves fatigue resistance and performance in **non-corrosive or inhibited corrosive fluids**, and it may also be used in **some PCP applications**.

Type 54 is an **API Grade D carbon steel rod (AISI C-1541-M)**. It is heat-treated to increase fatigue resistance and is suitable for **reciprocating lift applications at any depth within allowable stress limits**. It works best in **non-corrosive or inhibited corrosive environments** and can be used in **certain PCP applications**.

Type 75/90 is an **API Grade D special alloy rod (AISI A-4330-M nickel-chromium-molybdenum steel)**. It is alloyed and heat-treated for **maximum fatigue resistance and improved corrosion tolerance**, making it suitable for **reciprocating lift operations at any depth** and **ideal for PCP applications**.

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Type 97 is a **special-service high-strength rod (AISI A-4330-M alloy steel)**. It is designed for **extremely heavy-load reciprocating lift applications at any depth**, offering very high fatigue resistance and improved corrosion tolerance. It can also be used in **some PCP systems**.

The CS Rod is a **special service rod made from 43XX steel series**. It is designed for **reciprocating lift applications at any depth** and is engineered to **enhance corrosion fatigue resistance and mechanical fatigue life**, bridging the performance gap between **KD rods and high-strength rods**.