

SUCKER ROD

Sucker Rod

Sucker rod is a steel rod that is used to make up the mechanical assembly between the surface and downhole components of a rod pumping system. Sucker rods are 25 to 30 ft long and threaded at each end to enable the downhole components to be run and retrieved easily. All of sucker rod that PPGL supply are conform to API SPEC 11B Gr. C, K D, KD, HY and ultra-strength with high and ultrahigh load ratings plus corrosion-resistant properties. Each rod is heat treated and has pin ends machined with API roller threads.



Sucker Rod

Regular Sucker Rod Specifications

Nama	Size	Grade		Langth (m)			
Name			Rm (MPa)	Rel (MPa)	A (%) 200mm	Z((%)	Length (m)
	Ф16 Ф19	K	620~795	415	≥13	≥60	
Sucker Rod and Pony Rod	Ф 22 Ф 25 Ф 29	С	620~795	415	≥13	≥50	7.62 8.00 9.14
·	Ф 32 Ф 38	D	795~965	590	≥10	≥50	

High Strength Anti-Corrosion Rod Specifications

Name	Size	Grade	Mechanical Properties (MPa)	Length (m)
	Ф16			
High strength anti-corrosive sucker	Ф19	KD Norris 75	705 075	7.62
	Ф22			
	Ф25		795~965	8.00
rod	Ф29			9.14
	Ф32			

Ultra-strength Sucker Rod Specifications

Name	Size	Grade	Mechanical Properties (MPa)	Length (m)
Ultra- strength sucker rod	Ф 16 Ф 19 Ф 22 Ф 25 Ф 29 Ф 32	HL HY Norris 75	965~1195	7.62 8.00 9.14



Polished Rod Specifications

Nicora	G*	Condo	Mechanical Properties				Langth (m)
Name	Size	Grade	Rel (MPa)	Rm (MPa)	A (%)	Z (%)	Length (m)
Polished rod upset on one end	Ф25 Ф29	Н	≥795	965~1195	≥10	≥45	
	Ф32 Ф38	D	≥590	795~965	≥10	≥50	6.00 8.00
Polished rod normal type	Ф25 Ф29	Н	≥795	965~1195	≥10	≥45	9.50 10.00
	Ф32 Ф32 Ф38	D	≥590	795~965	≥10	≥50	10.00
Polished rod metal spray	Ф 32	Н	≥795	965~1195	≥10	≥45	6.00 8.00
	Ф38	D	≥590	795~965	≥10	≥50	9.14

Sucker Rod coupling Technical Specifications

Sucker Rou coupling Technical Specifications						
Name	Size	Grade	Characters			
Sucker rod coupling	5/8" 3/4" 7/8" 1" 1-1/8"	T SM	Couplings and slimhole couplings			
Sub Coupling	5/8" -3/4" 3/4"-7/8" 7/8"-1" 1"- 1-1/8"	T SM	Connecting two sizes of sucker rod			
Polished rod coupling	5/8" 3/4" 7/8" 1" 1-1/8"	T SM	9° cone			
Coupling of spray metal	5/8" 3/4" 7/8" 1" 1-1/8"	SM	Couplings and slimhole couplings			