

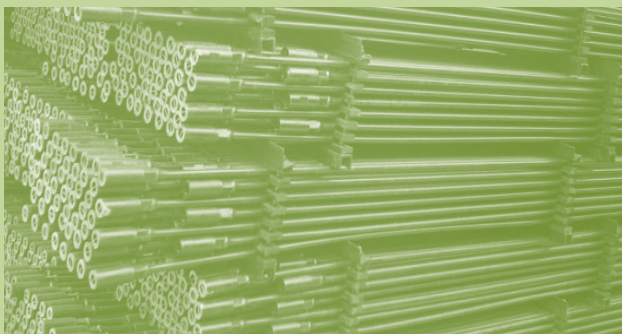
SUCKER RODS

Subtor provides steel Sucker Rods and Pony Rods in various sizes as well as multiple materials. They are manufactured in accordance to the API Spec. 11B or to the SI/T5029-2006 standard.



Depending on the application and demand of the customer we produce them in Carbon steel up to a big variety of Cr-Ni-Mo steel.

PROPERTY	MATERIAL						
	AISI 1526 25CrMnVa	AISI 4621 20Ni2MoA	AISI 4119 20CrMoA	AISI 3130 25NiMnCrMoA	AISI 4130 30CrMoA	AISI 4130 30CrMoA	AISI 4330 30CrNi2MoA
C %	0,21 - 0,3	0,18 - 0,23	0,17 - 0,24	0,22 - 0,29	0,26 - 0,33	0,26 - 0,33	0,28 - 0,35
Mn %	1,30 - 1,70	0,70 - 0,90	0,40 - 0,70	0,71 - 1,00	0,40 - 0,70	0,40 - 0,70	0,70 - 0,90
RPM (MPa)	621 - 793	621 - 793	793 - 965	793 - 965	965 - 1195	965 - 1195	965 - 1195
REL (MPa)	≥ 414	≥ 414	≥ 568	≥ 568	≥ 795	≥ 795	≥ 620
A %	≥ 12	≥ 12	≥ 10	≥ 10	≥ 10	≥ 10	≥ 10
Z %	≥ 55	≥ 55	≥ 50	≥ 50	≥ 50	≥ 50	≥ 50
HRC	16 - 23	16 - 23	23 - 32	23 - 32	32 - 36	≥ 42	32 - 36
Marking	white	light blue	yellow	blue	red	green	navy blue



A value ($\pm 3,175$ mm)	47,63	57,15	66,68	76,2	85,73
C value (+ 1,59, -0,4 mm)	3,18	3,18	4,76	4,76	4,76

Definition of the **Load**

Light	000 - 170 MPa	Medium	170 - 240 MPa
Heavy	240 - 290 MPa	Extra Heavy	290 and more

Definition of the **Seat Depth**

Shallow	≤ 1220 m	Medium	1220 - 2130 m
		Deep	2130 and more