

# Sucker Rods Torque Limit

Test based results show the torque limit for Tenaris Sucker rods:

## SUCKER RODS TORQUE LIMIT (\*)

GRADE	API GRADES			HIGH STRENGTH GRADES		
	GRADE D			UHS-NR	PLUS	MMS-NR
	D CARBON	D ALLOY	D 4330			
<b>Steel Steel</b>	1530 M	4142 M	4330 M	4330 M	1530 M	4138 M
<b>3/4"</b>	430 (583)	460 (624)	470 (637)	500 (678)	500 (678)	500 (678)
<b>7/8"</b>	675 (915)	735 (997)	750 (1017)	800 (1085)	800 (1085)	800 (1085)
<b>1"</b>	1010 (1369)	1100 (1491)	1110 (1505)	1200 (1627)	1200 (1627)	1200 (1627)
<b>1" P 7/8"</b>	1010 (1369)	1100 (1491)	1110 (1505)	1200 (1627)	NA	1200 (1627)
<b>1 1/8"</b>	NA	1570 (2129)	1600 (2169)	1700 (2305)	1700 (2305)	1700 (2305)
<b>1 1/4" P 1"</b>	NA	2000 (2712)	2100 (2847)	2500 (3390)	NA	2500 (3390)
<b>1 1/4" P 1 1/8"</b>	NA	2000 (2712)	2100 (2847)	2500 (3390)	NA	2500 (3390)
<b>1 1/2" P 1 1/8"</b>	NA	3000 (4067)	3150 (4271)	3750 (5084)	NA	3750 (5084)

(\*) lbf\*ft (N\*m)

Tenaris recommends as BEST PRACTICE a 0.8 Service Factor to maximize sucker rod life.

Values based on test results.

Connection cleaning is very important for Sucker Rod life working under torque.