

## Grade 316 Stainless Slicklines for Less Corrosive Well Media.

Material Grade: UNS S S31600/W1.4401.

Stainless 316 is a cost effective alternative with good resistance to pitting and crevice corrosion in Sweet Well Conditions with CO<sub>2</sub>, no H<sub>2</sub>S, and low Chlorides

Supplied on steel drums-Tested and Certified to BS EN 10204 2004

Chemical Composition Range		
Element	Min	Max
C	N/A	0.06
Si	N/A	1.0
Mn	N/A	2.0
P	N/A	0.045
S	N/A	0.010
Cr	16.0	18.0
Mo	2.0	3.0
Ni	10.0	14.0
N	0.04	0.06

Typical Physical Properties	
Density	8.0g/cc
Modulus of Elasticity	190GPA
Hardness Rockwell B	95
PREN = 24 to 27 $PREN = \%Cr + (3.3 \times \%Mo) + (16 \times \%N)$	

Mechanical Properties			
Diameter	Nom. B. Load**	Wireline Weight	Sheave Diameter
Ins.	Lbs.	lb/1000ft	Inches
0.082	1100	18.1	10
0.092	1430	22.9	11
0.108	1960	31.5	13
0.125	2640	42.2	15
0.160	4220	69.2	20

\*\*DWS recommends a maximum safe working load of 60% Actual Breaking Load (ABL) when jarring and 70% ABL for straight pulls.

Stainless 316 is an austenitic stainless steel with an addition of Molybdenum, which gives it an increased resistance to general corrosion. However, warm Chloride environments can cause pitting and crevice corrosion. There is also a susceptibility to stress corrosion cracking at temperature levels above around 60deg Centigrade.

To assist the user in obtaining optimum working life from his Slicklines, DWS offers a tailor-made wire management system whereby an operator can return a piece of wire in use for quick analysis by an independent laboratory. A report on the condition of the wire and its suitability for further use is then issued. High cost savings have been made through the use of this system.

All slicklines are guaranteed weld free, and certified in accordance with BS EN 10204 2004 by an independent laboratory.