

Supa 40[®] Duplex Slickline for Medium Sour Wells.

Material grade UNS S S32205/W1.4462

Supa 40[®] Slicklines combine high strength with excellent resistance to corrosion, pitting and stress corrosion in wells with medium concentrations of CO₂, H₂S and Low Chlorides.

Chemical Composition Range		
Element	Min	Max
Ni	4.50	6.50
Cr	21.0	23.0
Mo	2.50	3.50

Si	N/A	1.00
Mn	N/A	2.00
N	0.10	0.22
C	N/A	0.03
P	N/A	0.035
S	N/A	0.015

Typical Physical Properties	
Density	7.8g/cc
Modulus of Elasticity	200GPA
Hardness Rockwell B	105
PREN= 31 TO 38 (PREN=%Cr + 3.3 x %Mo + 16%N)	

Supa 40[®] is an austenitic-ferritic Stainless Steel with Molybdenum addition. Made up of approximately equal amounts of Ferrite and Austenite. It combines higher tensile strength with excellent resistance to localized inter-granular corrosion, pitting, crevice corrosion and chloride stress corrosion cracking. It performs well in environments that can cause early failure in standard austenitic grades. To assist the user in obtaining optimum working life from his Slicklines, DWS offers a tailor made wire management system whereby actual working data is recorded for subsequent detailed analysis and report. As part of the system, 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.

Mechanical Properties			
Diameter	Nom. B. Load**	Approx. Weight	Min. Pulley Diameter
Ins.	Lbs.	Lbs./1000ft	Ins.
0.092	1650	23	11
0.108	2200	31	13
0.125	2950	43	15
0.140	3650	54	17
0.150	3900	60	18
0.160	4230	68	19

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