

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

Mechanical Properties		
Diameter	Nom. B. Load**	Approx. Weight
Ins.	Lbs.	Lbs./1000ft
0.092	1650	23
0.108	2150	31
0.125	2800	43
0.150	3900	60
0.160	4230	68

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.

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