

GD31MO™ Alloy Slicklines for Highly Corrosive Well Media.

Material grade UNS N 08926 / W1.4529

GD31MO™ offers extraordinarily high stability against corrosion, stress corrosion & inter-granular corrosion in wells where CO₂, H₂S and Chlorides are present.

Chemical Composition Range		
Element	Min	Max
Ni	24.0	26.0
Cr	20.0	21.0
Mo	6.0	6.8
Mn	N/A	2.0
N	0.15	0.25
C	N/A	0.02
P	N/A	0.03
S	N/A	0.005

Typical Physical Properties	
Density	8.1g/cc
Modulus of Elasticity	185GPA
Hardness Rockwell B	90
Maximum Temperature	260°C
PREN= 42 TO 47 (PREN=%Cr + 3.3 x %Mo + 16%N)	

Mechanical Properties				
Diameter	Nom. B. Load**	Approx. Weight	Min. Pulley Diameter	Stretch*
Ins.	Lbs.	Lbs./1000ft	Ins	ft / 1000 ft / 1000 lb
0.082	1310	18	10	TBA
0.092	1620	23	11	7
0.108	2170	32	13	5
0.125	2850	43	15	4
0.140	3400	54	17	TBA
0.160	4400	71	19	TBA

GD31MO™ is a Super-Austenitic stainless alloy. It is well suited for work in highly corrosive wells especially where pitting, crevice corrosion, and stress corrosion cracking are likely to occur. Increased levels of chromium and nickel ensure excellent general corrosion resistance whilst a higher than normal nitrogen content increases tensile and yield strength.

*Weight for stretch calculation must include the weight of the wire.

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