

## GD50™ Alloy Slicklines for Highly Corrosive High Temperature/Pressure Well Media.

Material grade UNS R30035

GD50™ offers extraordinarily high stability against corrosion, stress corrosion & inter-granular corrosion in wells where CO<sub>2</sub>, H<sub>2</sub>S and Chlorides are present in high temperature and high pressure conditions.

Chemical Composition Range		
Element	Min	Max
Ni	33.0	37.0
Cr	19.0	21.0
Mo	9.0	10.5
Ti	N/A	1.0
Mn	N/A	0.15
N	N/A	0.007
C	N/A	0.02
Fe	N/A	1.0
Co	Bal	Bal

Typical Physical Properties	
Density	8.55g/cc
Modulus of Elasticity	232.8GPa
PREN= 51 to 55 (PREN=%Cr + 3.3 x %Mo + 16x%N)	

Mechanical Properties			
Diameter	Nom. B. Load	Approx. Weight	Min. Pulley Diameter
Ins.	Lbs.	Lbs./1000ft	Ins
0.092	1680	25	11
0.108	2244	34	13
0.125	3200	45	15

GD50™ is a Special Quaternary Alloy. It is developed 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 balance of Cobalt increases tensile and yield strength as well as further increasing corrosion resistance.

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