

### UNS S32760

SUPA-GD100™ is a highly alloyed duplex stainless suitable for well conditions with aggressive concentrations of CO<sub>2</sub>, H<sub>2</sub>S and Chlorides. SUPA-GD100™ has excellent mechanical properties in concert with high resistance to pitting and crevice corrosion. Excellent resistance to stress corrosion cracking in both chloride and sour environments are also characteristics of this alloy. SUPA-GD100™ slicklines are available in continuous weld free lengths up to 30,000 ft. (9145 m). Every SUPA-GD100™ line is 100% NDT and inspected. SUPA-GD100™ slicklines are shipped on steel reels. Custom lengths and diameters are available.

#### Chemical Compositional Range (Avg. wt. %)

	Ni	Cr	Mo	Si	N	Mn	W	Cu	C	PRE = %Cr + 3.3 x % Mo + 16 x %N
Min.	6.00	24.0	3.00		0.20		0.50	0.50		
Max.	8.00	26.0	4.00	1.00	0.30	1.00	1.00	1.00	0.30	PRE > 40

#### Physical Properties

Density	0.282 lbs./in <sup>3</sup>	7.84 g / cm <sup>3</sup>
Thermal Expansion	7.2 x 10 <sup>-6</sup> (68 to 212 °F)	13.0 x 10 <sup>-6</sup> (20 to 100 °C)
Thermal Conductivity	15.0 W/m. K (@ 20 °C)	

Dia. (in.)	Dia. (mm)	MINIMUM Breaking Load (lbf.)	MINIMUM Breaking Load (kN)	NOMINAL Weight (lbs./1,000 ft.)	NOMINAL Weight (kg/1000 m)
.092	2.34	1,629	7.25	22.50	33.48
.108	2.74	2,200	9.78	31.00	46.14
.125	3.18	2,950	13.12	41.53	61.80

Lines are: Weld Free - 100% NDT - shipped on steel reels – custom lengths and diameters available.

To maximize the life of your GD / SUPA SLICKLINE:

- Use properly sized sheaves (min sheave diameter = 120 x wire OD) and inspect them for excessive wear
- Ensure the sheaves rotate freely
- Always use new guides in the stuffing box
- Avoid kinking the line
- Layer winding or smooth wrapping the wire onto the winch drum will result in extended life / less damage and reduced likelihood of small kinks
- Prevent the line from rubbing the side of the drum, dragging on the ground, over shafts or other equipment
- Maintain the natural curvature of the wire, maintain constant tension during winding and re-spooling operations
- Exercise extreme caution during jarring operations, check “jarred” lines for possible stretch (reduced wire diameter) or other damage
- When running the line down hole avoid sudden brake application
- Never store reels on their sides
- Maintaining a logbook for each line is recommended
- Clean the line after each use