



SUPA 75® Slickline

UNS N08926

SUPA 75® is a super austenitic stainless steel with increased molybdenum and nitrogen suitable for extremely sour gas and oil well conditions with CO₂, H₂S and chlorides present. SUPA 75® is characterized by very high resistance to pitting and crevice corrosion in H₂S containing sour environments, with outstanding resistance to chloride ion stress corrosion cracking. SUPA 75® has excellent general corrosion resistance to a wide range of chemical media, both oxidizing and reducing, including sulphuric acid, sour gas, seawater, salts and organic acids. SUPA 75® slicklines are available in continuous weld free lengths up to 30,000+ ft (9145 m). Every SUPA 75® line is 100% NDT and inspected. SUPA® slicklines are shipped on steel reels. Custom lengths and diameters are available.

Chemical Compositional Range (wt. %)

| | Ni | Cr | Mo | Cu | N | Mn | P | S | C | PRE = %Cr+3.3 x % Mo + 16 x %N |
|------|------|------|-----|-----|------|------|------|-------|------|--------------------------------|
| Min. | 24.0 | 20.0 | 6.0 | 0.5 | 0.15 | | | | | |
| Max. | 26.0 | 21.0 | 6.8 | 1.0 | 0.25 | 2.00 | 0.03 | 0.005 | 0.02 | PRE = 42-47 |

Physical Properties

| | | |
|----------------------|--|---------------------------------------|
| Density | 8.10 g/cm ³ | 0.293 lbs./in ³ |
| Thermal Expansion | 9.2 x 10 ⁻⁶ (32 to 212 °F) | 16.6 x 10 ⁻⁶ (0 to 100 °C) |
| Thermal Conductivity | 89.0 BTU in/Ft ² . h . °F (@212 °F) | 12.9 W/m. °K (@ 100 °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 | 1,620 | 7.21 | 23.37 | 34.78 |
| .108 | 2.74 | 2,170 | 9.65 | 32.21 | 47.93 |
| .125 | 3.18 | 2,850 | 12.68 | 43.15 | 64.21 |
| .140 | 3.56 | 3,400 | 15.12 | 54.12 | 80.54 |
| .150 | 3.81 | 4,020 | 17.88 | 62.13 | 92.44 |
| .160 | 4.06 | 4,400 | 19.57 | 70.70 | 105.21 |

To maximize the life of your 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