

## TECHNICAL DATA SHEET: WIRELINES / SLICKLINES

### Grade: **2205 (S31803) Duplex Stainless Steel**

Lengths: 15,000 to 30,000 feet measured lengths (+3,000, / -0 feet tolerance).

Diameters: Industry Standard - 0.092", 0.108", 0.125", 0.160". Custom upon request.

Packaging: Heavy Duty Steel Reels (returnable). Wood Reels are available upon request.

Reel dimensions:	S30/700	S30/1500
Tare Weight	34 lbs.	128 lbs.
Max. Wire Weight	Up to 700 lbs.	Up to 1,500 lbs.
Flange Diameter	30"	30"
Overall Width	13 ½"	17 ¾"
Transverse Width	12"	16"
Arbor Hole Diameter	2"	2"

Chemistry:

*Key elements % Weight:*

C	Mn	Cr	Ni	Mo	N
0.03 max	2.0 max	21.0 - 23.0	4.50 – 6.50	2.5 – 3.5	0.10 – 0.22

Density: 0.282 lb/inch<sup>3</sup>

Corrosion Resistance: 2205 offers strong corrosion protection in wells containing corrosive media, and has a PREN of 35. The following table is a general guideline for well conditions that contain specific corrosive elements commonly found downhole. Note – additional well conditions such as temperature and pressure may also play a significant role in the wireline's corrosive resistance.

*General Guidelines for Well Conditions containing Corrosive Elements:*

H <sub>2</sub> S + CO <sub>2</sub>	Chloride, Brine, Salt etc.	Chloride, H <sub>2</sub> S + CO <sub>2</sub>
Very good in concentrations of CO <sub>2</sub> of up to 35% with no H <sub>2</sub> S present.	Excellent. May be used in concentrations of up to 30%.	Very good in high chloride + CO <sub>2</sub> concentrations with no H <sub>2</sub> S present.

Break Load:

Diameter	Minimum Break Load (MBL)	Safe Working Load (60% MBL)
0.092"	1,600 lbf	960 lbf
0.108"	2,080 lbf	1,248 lbf
0.125"	2,800 lbf	1,680 lbf
0.160"	4,300 lbf	2,580 lbf

Surface: Eddy Current Testing for surface damage to industry norms at final diameter upon request.

## **LIMITATION OF LIABILITY AND DISCLAIMER OF WARRANTY:**

The content in these data sheets is provided primarily by third-party melting mills and is provided for reference only. It is not intended for engineering or design.

Applications may be discussed, however, Gibbs Interwire does not recommend or endorse any material for any particular end use or application.

In no event will Gibbs Interwire be liable for any damages whatsoever arising from the use of the information included in the data sheets.

The data included in this data sheet are typical values and may vary.

Gibbs Interwire makes no representations or warranties, express or implied, as to the accuracy, completeness, condition, suitability, performance, fitness for a particular purpose, or merchantability of any information contained in any data sheet.