



# Pinnacle Wire Ropes

## Oil & Gas Product Catalog

Alps Wire Rope Corporation

"THE PINNACLE OF QUALITY"





# Introduction

Alps Wire Rope Corporation has long provided innovative products from the best mills in the world to meet the wide ranging needs of the wire rope industry in North America. Since our founding in 1968 we have provided the highest quality products to a market that demands value.

Alps partners with selected wire rope mills from Asia, Europe, and North America that manufacture advanced ropes designed to meet the demanding needs of the drilling and well servicing industries. Our long history providing, globally sourced, wire rope products gives us access to technical support from the engineering staffs of our manufacturing mills, who have an intimate understanding of the various international standards applicable to this market. This provides you with a supplier who has a thorough understanding of those specifications, and their application to the requirements of the market.

In addition to the technical service departments of the rope manufacturers, our staff works closely with the engineering departments of the distributors and equipment manufacturers that we supply. By building these relationships we get to know our customers. This allows us to provide them with what they need, not just what we have to offer. We believe this is one thing that sets us apart from the rest of the industry.

Our job doesn't end when we sell you a rope. Our quality system maintains a unique reel number for each piece of rope produced. This allows you complete traceability of your specific length of rope. Outside sales and technical staff remain available to assist you should you encounter an issue that requires resolution. Alps stands behind the products it sells because our goal is a satisfied customer.

Alps is driven by a desire to "be the best", and "do the right thing". This philosophy has allowed us, and our partners, to enjoy success. Through the partnerships we have established, the line of wire ropes we have assembled, and the personnel to support your requirements, we are confident we can offer you a solution to meet your needs.

Please take time to review this literature. We would appreciate the opportunity to earn your trust.



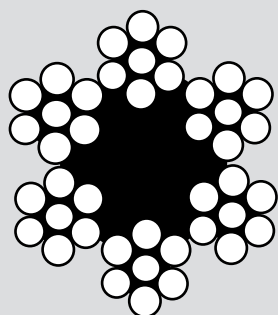
# Well Servicing

## Sandline/Rod & Tubing



### Sandline 6x7

Right or Left Lay, Poly Core, IPS  
Bright, Galvanized, or Pinnacle Plus

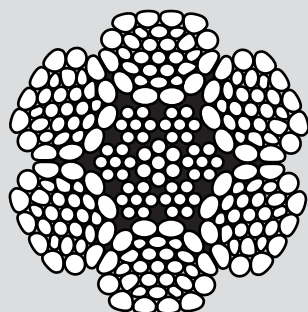


Nominal Diameter		Approximate Weight		Minimum Breaking Strength			
Inch	mm	kg/m	lbs/ft	M ton	kN	lbs	US ton
3/8	9.5	0.31	0.21	5.31	52.1	11,712	5.86
7/16	11.1	0.43	0.29	7.18	70.5	15,848	7.93
1/2	12.7	0.55	0.37	9.34	91.6	20,591	10.3
9/16	14.3	0.69	0.47	11.82	116	26,076	13.0
5/8	15.9	0.86	0.58	14.37	141	31,696	15.9
3/4	19.1	1.25	0.84	20.59	202	45,409	22.7

Reference: API Specification 9A

### Rod & Tubing 6x31 (WS) Swaged

Right or Left Lay, IWRC, EIPS  
Bright, Swaged



Nominal Diameter		Approximate Weight		Minimum Breaking Strength			
Inch	mm	kg/m	lbs/ft	M ton	kN	lbs	US ton
5/8	15.9	1.290	0.867	22.22	218	49,000	24.50
3/4	19.1	1.858	1.250	31.66	310	69,800	34.90
7/8	22.2	2.529	1.693	43.30	425	95,500	47.75
1	25.4	3.303	2.217	54.42	534	120,000	60.00
1-1/8	28.6	4.181	2.809	64.85	636	143,000	71.50
1-1/4	31.8	5.161	3.474	79.82	783	176,000	88.00
1-3/8	34.9	6.232	4.188	102.96	1,009	227,000	113.50
1-1/2	38.1	7.428	4.992	122.01	1,196	269,000	134.50

Reference: Kiswire Specification

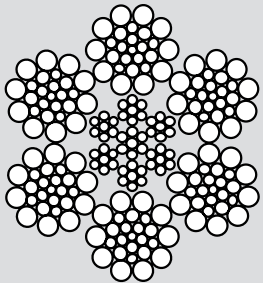
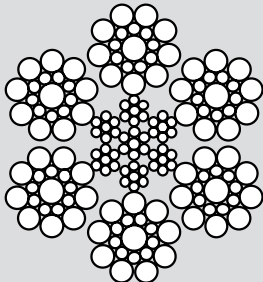
# Rotary Drill Lines



6x19(S)  
6x26 (WS)

Right or Left Lay, IWRC  
Bright or Galvanized

- 6P Available with plastic enhanced core.
- 6P is fully lubricated
- 6P has improved fatigue characteristics.
- 6P has a good resistance against drum crushing.
- 6P has improved internal corrosion resistance.



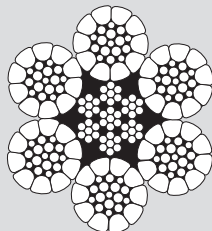
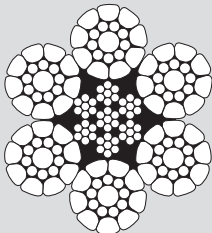
Nominal Diameter		Approximate Weight		Minimum Breaking Strength			
				EIPS		EEIPS	
Inch	mm	kg/m	lbs/ft	lbs	US ton	lbs	US ton
5/8	15.9	1.07	0.72	41,138	20.6	45,409	22.7
3/4	19.1	1.67	1.04	58,898	29.4	64,742	32.4
7/8	22.2	2.09	1.41	79,579	39.8	87,672	43.8
1	25.4	2.75	1.85	103,408	51.7	113,749	56.9
1-1/8	28.6	3.48	2.34	129,934	65	142,972	71.5
1-1/4	31.8	4.30	2.89	159,833	79.9	175,793	87.9
1-3/8	34.9	5.19	3.49	191,979	96	211,986	106
1-1/2	38.1	6.19	4.16	227,048	114	249,528	125
1-5/8	41.3	7.26	4.88	263,016	132	292,240	146
1-3/4	44.5	8.42	5.66	305,728	153	337,200	169
1-7/8	47.6	9.65	6.49	348,440	174	384,408	192
2	50.8	10.99	7.39	395,648	198	433,864	217
2-1/8	54.0	12.41	8.34	442,856	221	485,568	243
2-1/4	57.2	13.91	9.35	494,560	247	544,016	272

Reference: API Specification 9A

Compact 6  
Compact 6P

Right or Left Lay, IWRC  
Bright or Galvanized

- Compact 6P has a plastic layer between the core and the compacted outer strands.
- Compact 6P is fully lubricated and made out of galvanized or ungalvanized wires.
- Compact 6P has improved fatigue characteristics.
- Compact 6P has a good resistance against drum crushing.
- Compact 6P has improved internal corrosion resistance.



Nominal Diameter		Approximate Weight		Minimum Breaking Strength			
				EIPS (1960)		EEIPS (2160)	
Inch	mm	kg/m	lbs/ft	lbs	US ton	lbs	US ton
5/8	16	1.21	0.812	48,200	24.10	51,100	25.55
3/4	19.0	1.71	1.15	68,000	34.00	72,100	36.05
7/8	22.2	2.37	1.59	94,500	47.25	100,200	50.10
1	25.4	3.05	2.05	121,500	60.75	128,900	64.45
1-1/8	28.6	3.86	2.59	153,800	76.90	163,100	81.55
1-1/4	32.0	4.84	3.25	192,800	96.40	204,500	102.25
1-3/8	35.0	5.79	3.89	230,600	115.30	244,800	122.40
1-1/2	38.0	6.82	4.58	272,000	136.00	288,400	144.20
1-5/8	41.3	8.05	5.41	320,700	160.35	340,300	170.15
1-3/4	45.0	9.57	6.43	381,400	190.70	404,600	202.30

Reference: Made to Kiswire Specifications.

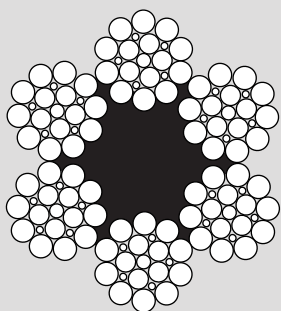


# Cable Tool Drill Lines



## 6x21 Filler Wire

Right or Left Lay, Poly Core, IPS  
Bright or Galvanized



Nominal Diameter		Approximate Weight		Minimum Breaking Strength			
Inch	mm	kg/m	lbs/ft	M ton	kN	lbs	US ton
5/8	15.9	0.98	0.66	15.19	149	33,495	16.7
3/4	19.1	1.41	0.95	21.61	212	47,657	23.8
7/8	22.2	1.91	1.29	29.16	286	64,292	32.2
1	25.4	2.50	1.68	37.93	372	83,625	41.8
1-1/8	28.6	3.16	2.13	47.72	468	105,206	52.6

Reference: API Specification 9A



# Well Measuring Lines

## BRT IPS

Nominal Diameter		Approx. Weight		Minimum Breaking Strength			
inch	mm	kg/m	lbs/ft	M ton	kN	lbs	U.S. ton
0.066	1.68	0.018	0.012	0.002	3.61	811	0.4055
0.072	1.83	0.021	0.014	0.002	4.27	961	0.4805
0.082	2.08	0.027	0.018	0.002	5.51	1,239	0.6195
0.092	2.34	0.034	0.023	0.003	6.88	1,547	0.7735
0.105	2.67	0.045	0.030	0.004	8.74	1,966	0.983
0.108	2.74	0.048	0.032	0.004	9.38	2,109	1.0545
0.125	3.18	0.062	0.042	0.006	12.43	2,794	1.397

## BRT EIPS

Nominal Diameter		Approx. Weight		Minimum Breaking Strength			
inch	mm	kg/m	lbs/ft	M ton	kN	lbs	U.S. ton
0.066	1.68	0.018	0.012	0.002	4.27	960	0.48
0.072	1.83	0.021	0.014	0.002	5.12	1,150	0.575
0.082	2.08	0.027	0.018	0.003	6.49	1,460	0.73
0.092	2.34	0.034	0.023	0.004	8.14	1,830	0.915
0.105	2.67	0.045	0.03	0.005	10.5	2,360	1.18
0.108	2.74	0.048	0.032	0.005	11.08	2,490	1.245
0.125	3.18	0.062	0.042	0.007	14.68	3,300	1.65

Note: Well Measuring Lines also available in SS T316





# Warranty

Any warranty expressed or implied as to quality, performance, or fitness for use of wire rope products is always premised on the conditions that: (1) The published strengths apply only to new, unused rope, (2) That the mechanical equipment on which such products are used is properly designed and maintained, (3) That such products are properly stored, handled, used and maintained, and properly inspected on a regular basis during the period of use.

Seller shall not be liable under any circumstances for consequential or incidental damages or secondary charges including but not limited to personal injury, labor costs, a loss of profits resulting from use of said products, or from said products being incorporated in or becoming a component of any other products.

Alps Wire Rope Corporation agrees to replace any of its product proved to be defective in material or manufacture.

The user of Alps Wire Rope Corporation products has the responsibility for conformance to jurisdictional codes, rules or suitability of components or design for the application.

Wire rope must be regularly inspected during use. Damage, abuse or improper maintenance can cause rope failure. Wire rope removal criteria are based on the use of steel sheaves. If synthetic sheaves are used, consult the sheave equipment manufacturer.

When rope is cut, fitted with end connection by splicing or other ways, the fabricator has to obey the rules and standards for the fabrication process as well the end product. Any damage resulting from incorrect handling, cutting, splicing, fitting, or reeving, will not be the responsibility of Alps Wire Rope Corporation or the rope manufacturer.



## Alps Wire Rope Corporation

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