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V.2013



General Catalog

## ABOUT WWR

**WASHINGTON WIRE ROPE** is one of the fastest growing wire rope mills in America. We are an energetic wire rope manufacturer making a big difference to our customers needing general and high performance lifting, anchoring and pulling solutions. Our focus on price, delivery and above all "quality" is our number one goal. This focus is highly valued by our customers in the following markets:

- > Construction
- > Container Crane Operations
- > Foundation Drilling
- > Oil Field
- > Logging
- > Mining
- > Electrical / Communications
- > Fishing and other Industrial Markets

### Delivery

WWR's manufacturing facilities are strategically located in Houston, TX which enables us to ship products faster and more efficiently in the US and abroad.

Backed by our parent company, Deacero, we have access to resources that include 2 steel mills, 15 wire plants and 16 scrap yards that contributes to WWR continuing success in meeting our rapidly expanding customer demands.

### Quality

All employees of WWR are dedicated to providing the highest quality products in compliance with API 9A / ASTM A-1023 / RRW-410F.

WWR is a member of Domestic Wire Rope and AWRP and shares its commitment to ensuring that our products are of the most superior quality available in the world.

### Market Oriented

WWR, a market oriented company supports the American steel market needs with a knowledgeable technical staff and attentive customer service.



## WWR CORPORATE ALLIANCE

### Deep Resources, High Capacity, Continuous Improvement

Our association with Deacero, our parent company, further enhances the strengths of WWR and the quality of our products.

### Deep Resources and High Capacity

WWR has direct access to an uninterrupted source of steel supply and funds due to Deacero's high production capacity and strong purchasing power in the world market.

Furthermore, being a Deacero integrated company, WWR customers are assured of a 100% quality control from the sourcing of raw material all the way through to the finished product.

### Continuous Improvement

WWR vision is to heavily invest in state-of-the-art technologies, product innovation and production infrastructure to keep up with steel market trends and dynamics.

This corporate alliance leaves WWR well positioned to stay ahead of the steel market.

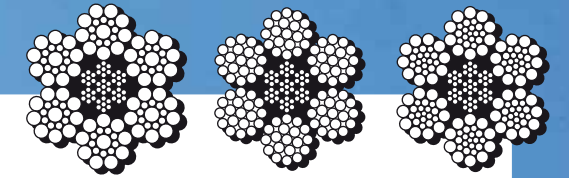
WWR is dedicated to passing these advantages onto our customers.



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## 6 x 19 CLASS BRIGHT IWRC



Nominal Rope Diameter	Approximate Weight per Foot	STEEL CORE (IWRC)	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	IWRC	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
3/8	0.26	7.55	8.3
7/16	0.35	10.2	11.2
1/2	0.46	13.3	14.6
9/16	0.59	16.8	18.5
5/8	0.72	20.6	22.7
3/4	1.04	29.4	32.4
7/8	1.42	39.8	43.8
1	1.85	51.7	56.9
1 1/8	2.34	65	71.5
1 1/4	2.89	79.9	87.9
1 3/8	3.49	96	106
1 1/2	4.16	114	125
1 5/8	4.88	132	145
1 3/4	5.67	153	168
1 7/8	6.5	174	191
2	7.39	198	217
2 1/8	8.34	221	244
2 1/4	9.36	247	272
2 3/8	10.42	274	301
2 1/2	11.6	302	332

## 6 x 19 CLASS BRIGHT FIBER CORE

Nominal Rope Diameter	Approximate Weight per Foot	FIBER CORE	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	FIBER CORE	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
3/8	0.24	6.72	
7/16	0.32	9.1	
1/2	0.42	11.8	
9/16	0.53	14.9	
5/8	0.66	18.3	
3/4	0.95	26.2	
7/8	1.29	35.4	
1	1.68	46	
1 1/8	2.13	57.8	
1 1/4	2.63	71.1	
1 3/8	3.18	85.5	
1 1/2	3.78	101	
1 5/8	4.44	118	
1 3/4	5.15	137	
1 7/8	5.91	156	
2	6.72	176	

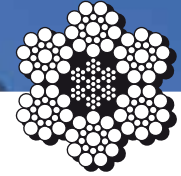


### 6 x 37 CLASS BRIGHT IWRC

Nominal Rope Diameter	Approximate Weight per Foot	STEEL CORE (IWRC)	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	IWRC	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
3/8	0.26	7.55	8.3
7/16	0.35	10.2	11.2
1/2	0.46	13.3	14.6
9/16	0.59	16.8	18.5
5/8	0.72	20.6	22.7
3/4	1.04	29.4	32.4
7/8	1.42	39.8	43.8
1	1.85	51.7	56.9
1 1/8	2.34	65	71.5
1 1/4	2.89	79.9	87.9
1 3/8	3.5	96	106
1 1/2	4.16	114	125
1 5/8	4.88	132	146
1 3/4	5.67	153	169
1 7/8	6.5	174	192
2	7.39	198	218
2 1/8	8.35	221	244
2 1/4	9.36	247	272
2 3/8	10.4	274	301
2 1/2	11.6	302	332

### 6 x 37 CLASS BRIGHT FIBER CORE

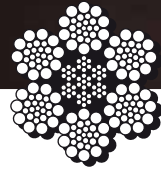
Nominal Rope Diameter	Approximate Weight per Foot	FIBER CORE	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	FIBER CORE	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
3/8	0.24	6.72	
7/16	0.32	9.1	
1/2	0.42	11.8	
9/16	0.53	14.9	
5/8	0.66	18.3	
3/4	0.95	26.2	
7/8	1.29	35.4	
1	1.68	46	
1 1/8	2.13	57.8	
1 1/4	2.63	71.1	
1 3/8	3.18	85.5	
1 1/2	3.78	101	
1 5/8	4.44	118	
1 3/4	5.15	137	
1 7/8	5.91	156	
2	6.72	176	
2 1/8	7.59	197	
2 1/4	8.51	220	



### 6 x 19 CLASS BRIGHT ALTERNATE LAY IWRC

Nominal Rope Diameter	Approximate Weight per Foot	STEEL CORE (IWRC)	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	IWRC	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
1/2	0.46	13.3	14.6
9/16	0.59	16.8	18.5
5/8	0.72	20.6	22.7
3/4	1.04	29.4	32.4
7/8	1.42	39.8	43.8
1	1.85	51.7	56.9
1 1/8	2.34	65	71.5
1 1/4	2.89	79.9	87.9
1 3/8	3.5	96	106

### 6 x 19 CLASS GALVANIZED IWRC



Nominal Rope Diameter	Approximate Weight per Foot	STEEL CORE (IWRC)	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	IWRC	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
3/8	0.26	7.55	8.3
7/16	0.35	10.2	11.2
1/2	0.46	13.3	14.6
9/16	0.59	16.8	18.5
5/8	0.72	20.6	22.7
3/4	1.04	29.4	32.4
7/8	1.42	39.8	43.8
1	1.85	51.7	56.9
1 1/8	2.34	65	71.5
1 1/4	2.89	79.9	87.9
1 3/8	3.5	96	106
1 1/2	4.16	114	125
1 5/8	4.88	132	146
1 3/4	5.67	153	169
1 7/8	6.5	174	192
2	7.39	198	217

### 6 x 19 CLASS GALVANIZED FIBER CORE

Nominal Rope Diameter	Approximate Weight per Foot	FIBER CORE	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	FIBER CORE	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
3/8	0.24	6.71	
7/16	0.32	9.10	
1/2	0.42	11.8	
9/16	0.53	14.9	
5/8	0.66	18.4	
3/4	0.95	26.2	
7/8	1.29	35.4	
1	1.68	46	
1 1/8	2.13	57.9	
1 1/4	2.63	71.1	

### 6 x 37 CLASS GALVANIZED IWRC

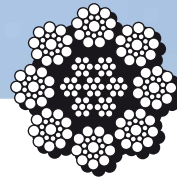


Nominal Rope Diameter	Approximate Weight per Foot	STEEL CORE (IWRC)	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	IWRC	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
3/8	0.26	7.55	8.3
7/16	0.35	10.2	11.2
1/2	0.46	13.3	14.6
9/16	0.59	16.8	18.5
5/8	0.72	20.6	22.7
3/4	1.04	29.4	32.4
7/8	1.42	39.8	43.8
1	1.85	51.7	56.9
1 1/8	2.34	65	71.5
1 1/4	2.89	79.9	87.9
1 3/8	3.5	96	106
1 1/2	4.16	114	125
1 5/8	4.88	132	146
1 3/4	5.67	153	169
1 7/8	6.5	174	192
2	7.39	198	217
2 1/8	8.35	221	243
2 1/4	9.36	247	272

### 6 x 37 CLASS GALVANIZED FIBER CORE

Nominal Rope Diameter	Approximate Weight per Foot	FIBER CORE	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	FIBER CORE	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
3/8	0.24	6.71	
7/16	0.32	9.10	
1/2	0.42	11.8	
9/16	0.53	14.9	
5/8	0.66	18.4	
3/4	0.95	26.2	
7/8	1.29	35.4	
1	1.68	46	
1 1/8	2.13	57.9	
1 1/4	2.63	71.1	

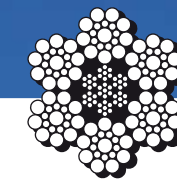
### 8 x 19 CLASS ROTATION RESISTANT IWRC



Nominal Rope Diameter	Approximate Weight per Foot	STEEL CORE (IWRC)	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	IWRC	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
1/2	0.48	11.6	12.8
9/16	0.61	14.7	16.2
5/8	0.73	18.1	19.9
3/4	1.06	25.9	28.5
7/8	1.44	35	38.5
1	1.88	45.5	50.1
1 1/8	2.39	57.3	63.0
1 1/4	2.94	70.5	77.6



### DRILL LINES IWRC



Nominal Rope Diameter	Approximate Weight per Foot	STEEL CORE (IWRC)	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	IWRC	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
7/8	1.42	39.8	43.8
1	1.85	51.7	56.9
1 1/8	2.34	65	71.5
1 1/4	2.89	79.9	87.9
1 3/8	3.49	96	106
1 1/2	4.16	114	125
1 5/8	4.88	132	145
1 3/4	5.67	153	168
1 7/8	6.5	174	191
2	7.39	198	218

6 x 19S (9/9/1) Seale • 6 x 21F (10/5+5/1) Filler • 6 x 26WS (10/5+5/5/1) Warrington Seale

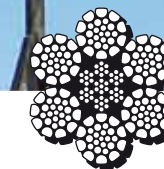
### SAND LINES



Nominal Rope Diameter	Approximate Weight per Foot	FIBER CORE	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	FIBER CORE	GRADE IPS	GRADE EIPS
In	Lb/Ft	Short Tons US	Short Tons US
1/2	0.38	10.3	11.3
9/16	0.48	13	14.31
5/8	0.59	15.9	17.5
3/4	0.84	22.7	25

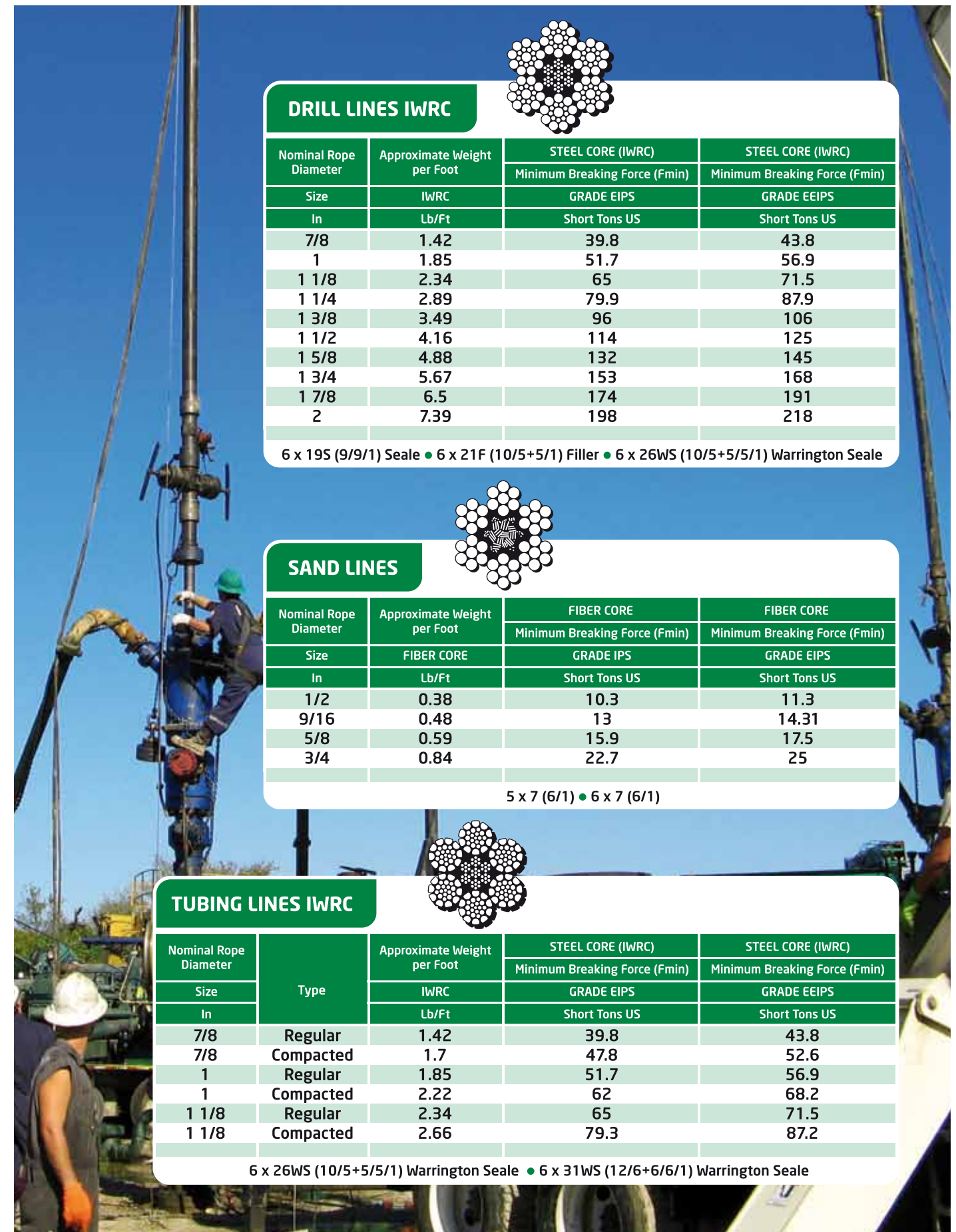
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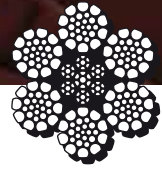
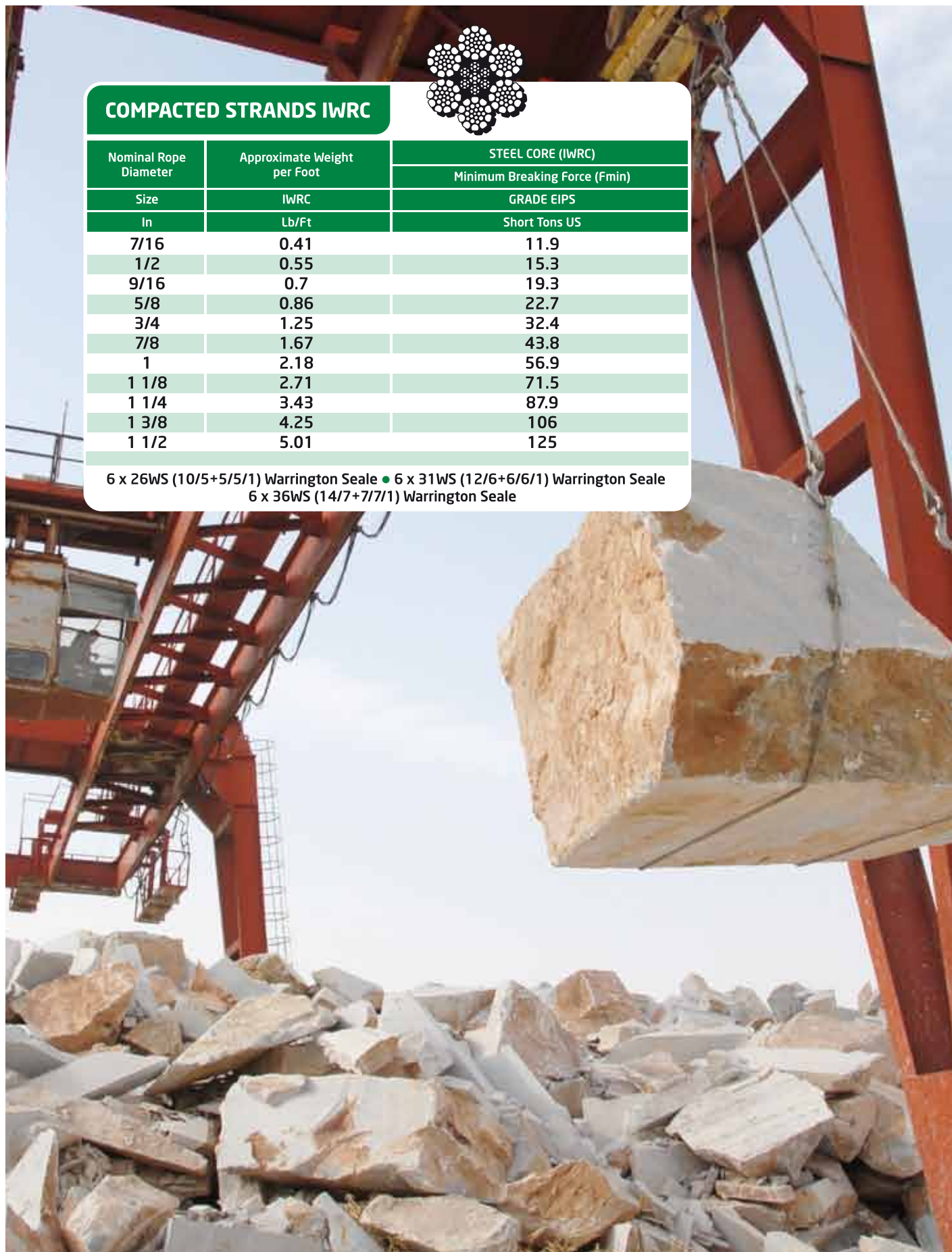
### TUBING LINES IWRC



Nominal Rope Diameter	Type	Approximate Weight per Foot	STEEL CORE (IWRC)	
			Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size		IWRC	GRADE EIPS	GRADE EEIPS
In		Lb/Ft	Short Tons US	Short Tons US
7/8	Regular	1.42	39.8	43.8
7/8	Compacted	1.7	47.8	52.6
1	Regular	1.85	51.7	56.9
1	Compacted	2.22	62	68.2
1 1/8	Regular	2.34	65	71.5
1 1/8	Compacted	2.66	79.3	87.2

6 x 26WS (10/5+5/5/1) Warrington Seale • 6 x 31WS (12/6+6/6/1) Warrington Seale

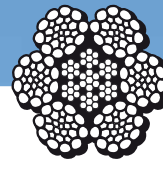




### COMPACTED STRANDS IWRC

Nominal Rope Diameter	Approximate Weight per Foot	STEEL CORE (IWRC)	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	IWRC	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
7/16	0.41	11.9	
1/2	0.55	15.3	
9/16	0.7	19.3	
5/8	0.86	22.7	
3/4	1.25	32.4	
7/8	1.67	43.8	
1	2.18	56.9	
1 1/8	2.71	71.5	
1 1/4	3.43	87.9	
1 3/8	4.25	106	
1 1/2	5.01	125	

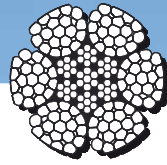
6 x 26WS (10/5+5/5/1) Warrington Seale • 6 x 31WS (12/6+6/6/1) Warrington Seale  
6 x 36WS (14/7+7/7/1) Warrington Seale



### SWAGED ROPES IWRC

Nominal Rope Diameter	Approximate Weight per Foot	STEEL CORE (IWRC)	
		Minimum Breaking Force (Fmin)	Minimum Breaking Force (Fmin)
Size	IWRC	GRADE EIPS	GRADE EEIPS
In	Lb/Ft	Short Tons US	Short Tons US
1/2	0.55	16.0	17.6
9/16	0.71	21	23.1
5/8	0.96	26	28.6
3/4	1.32	36	39.6
7/8	1.7	48	52.6
1	2.22	62	68.2
1 1/8	2.66	79.3	87.2
1 1/4	3.47	92.5	101.8
1 3/8	4.2	111	122

6 x 26WS (10/5+5/5/1) Warrington Seale • 6 x 31WS (12/6+6/6/1) Warrington Seale



### COMPACTED / SWAGED ROPES

Nominal Rope Diameter	Approximate Weight per Foot	STEEL CORE (IWRC)	
		Minimum Breaking Force (Fmin)	GRADE EIPS
Size	IWRC	GRADE EIPS	
In	Lb/Ft	Short Tons US	
1/2	0.65	18.6	
9/16	0.81	23.5	
5/8	0.95	28.8	
3/4	1.43	40	
7/8	1.92	52	
1	2.37	68	
1 1/8	2.96	85	
1 1/4	3.51	102	
1 3/8	4.12	120	

6 x 26WS (10/5+5/5/1) Warrington Seale • 6 x 31WS (12/6+6/6/1) Warrington Seale

