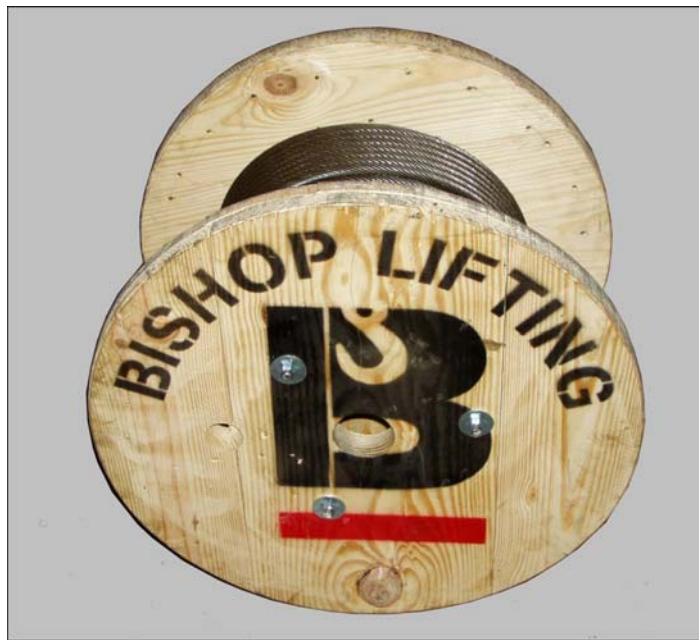




## 2010 Wire Rope Catalog



### **Houston**

125 McCarty Dr.  
Houston, TX 77029

**Tel: (713) 674-2266**  
**Fax: (713) 672-9229**

### **Beaumont**

2160 Wellspring  
Beaumont, TX 77705

**Tel: (409) 729-9187**  
**Fax: (409) 724-2659**

### **Odessa**

12828 West I-20 East  
Odessa, TX 79765

**Tel: (432) 332-5922**  
**Fax: (432) 337-6829**

### **Rock Springs**

1821 Yellowstone Rd.  
Rock Springs, WY 82901

**Tel: (307) 382-6622**  
**Fax: (307) 382-2401**

### **New Iberia**

8416 West Highway 90  
New Iberia, La. 70560

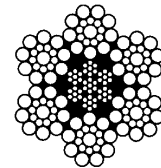
**Tel: (337) 369-3903**  
**Fax: (337) 369-3904**

[www.Lifting.com](http://www.Lifting.com)  
[sales@Lifting.com](mailto:sales@Lifting.com)  
800-972-1041

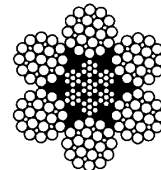
# General Purpose Ropes

## 6x19 Class EIP IWRC (6x19, 6x21, 6x25, 6x26)

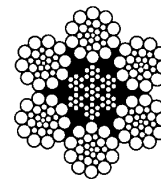
Nominal Dia.	Nominal Strength in Tons 2000 lbs.	Weight Per ft.
1/4"	2.74	.116
5/16"	5.27	.18
3/8"	7.55	.26
7/16"	10.2	.35
1/2"	13.3	.46
9/16"	16.8	.59
5/8"	20.6	.72
3/4"	29.4	1.04
7/8"	39.8	1.42
1"	51.7	1.85
1-1/8"	65.0	2.34
1-1/4"	79.9	2.89
1-3/8"	96.0	3.50
1-1/2"	114.0	4.16
1-3/4"	153.0	5.67
2"	198.0	7.39
2-1/4"	247.0	9.36
2-1/2"	302.0	11.6
2-3/4"	361.0	14.0



6x19 Seale

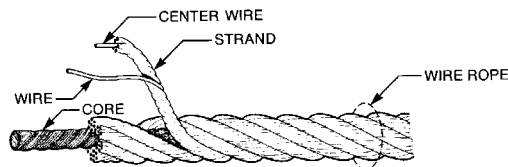


6x25 Filler Wire



6x26 Warrington  
Seale

## Sling Ropes, Drilling Lines, General Purpose



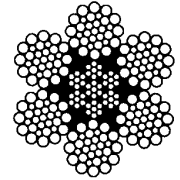
The three basic components of a typical wire rope. (Fiber core is shown.)



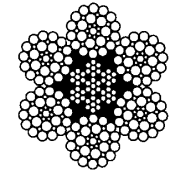
# Sling & Hoisting Ropes

## 6x37 Class EIP IWRC (6x31, 6x36, 6x37, 6x41)

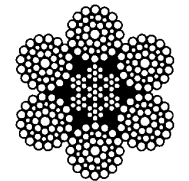
Nominal Dia.	Nominal Strength in Tons 2000 lbs.	Weight Per ft.
1/4"	3.4	.116
5/16"	5.27	.18
3/8"	7.55	.26
7/16"	10.2	.35
1/2"	13.3	.46
9/16"	16.8	.59
5/8"	20.6	.72
3/4"	29.4	1.04
7/8"	39.8	1.42
1"	51.7	1.85
1-1/8"	65.0	2.34
1-1/4"	79.9	2.89
1-3/8"	96.0	3.50
1-1/2"	114.0	4.16
1-3/4"	153.0	5.67
2"	198.00	7.39
2-1/4"	247.0	9.36
2-1/2"	302.0	11.6
2-3/4"	361.0	14.0
3"	425.0	16.6
3-1/2"	564.0	22.7
4"	720.0	29.6



6x31 Warrington Seale



6x36 Filler Warrington Seale



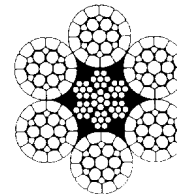
6x41 Warrington Seale

## Sling Ropes over 1-1/8" Overhead Crane Load Lines



# High Performance Ropes

## Dy-Pac® 6 HS



Size	Rope Construction	Weight @ Ft.	Nominal Breaking Strength in Tons
3/8"	6x19 RRL	.30	9.1
7/16"	6x25 RRL	.39	11.6
1/2"	6x25 RRL	.51	15.1
9/16"	6x25 RRL	.64	19.1
5/8"	6x25 RRL	.79	23.5
3/4"	6x31 RRL	1.14	32.5
7/8"	6x31 RRL	1.54	44
1"	6x31 RRL	2.01	57.6
1-1/8"	6x31 RRL	2.54	72.7
1-1/4"	6x31 RRL	3.07	88
1-3/8"	6x31 RRL	3.67	107.8
1-1/2"	6x31 RRL	4.55	131.3

**Strength-** The Compacting process reduces the amount of voids present in the strands providing greater steel content, which results in increased breaking loads. The Breaking Loads are up 37% to IPS rope and 16% in EIP rope. This increased strength provides greater lifting capacity and prolonged life.

**Durability** - The Steel area of these ropes in contact with the sheave or drum is approximately twice that of conventional six strand rope. The increased surface area of the rope provides greater resistance to scrubbing, as well as increasing its resistance to abrasion.

**Flexibility** - The manufacturing process of Dy-Pac® 6HS provides a greater contact between the each strand, which results in increased flexibility. It also produces less internal wire nicking, as well as reducing the internal stresses of the wires in the strands, which provides longer bending fatigue life than standard six strand ropes.

**Crushing** - The compact strand construction of the Dy-Pac® 6HS rope greatly reduces the amount of internal voids present in the rope and *provides for a much higher resistance to crushing.*

**Applications: Boom Hoist Cables, Winch Lines, Drag Lines, Drilling Lines**

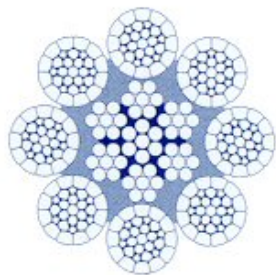


# High Performance Ropes

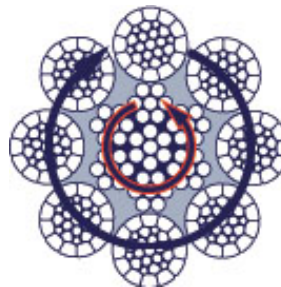
## Cushion-Pac® 8 & 8RL

Dy-Pac® Cushion Core

Size	Rope Construction	Weight @ Ft.	Nominal Breaking Strength in Tons
1/2"	8x26 RRL	.50	15
9/16"	8x26 RRL	.63	19
5/8"	8X26 RRL	.78	23.3
3/4"	8x31 RRL	1.09	33.2
7/8"	8x31 RRL	1.49	44.9
1"	8x31 RRL	1.94	58.4
1-1/8"	8x31 RRL	2.44	73.3
1-1/4"	8x31 RRL	3.05	90.2
1-3/8"	8x36 RRL	3.67	108.7
1-1/2"	8x36 RRL	4.37	128.2



**8 – Right Regular  
Rotation Resistant**



**8RL – Reverse Lay  
Torque Resistant**

### Cushion-Pac® 8 Ropes significantly increase Rope Performance and Productivity

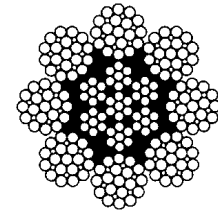
- A proven 8 strand design and specialized construction properties improve flexibility and rope fatigue life
- Dy-Pac® strand compaction increases the steel area of the individual strands, producing a rope with better resistance to crushing, improved drum spooling and increased lifting capacity.
- A fully cushioned core, utilizing WRI's exclusive plastic enhancement process, protects the inner rope throughout it's cycle life and allows for external inspection of operational wear.
- Greater rope contact area increases rope life and reduces drum and sheave wear.



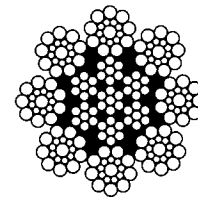
# Rotation Resistant Ropes

## 8x19 Class – Series 820 (8x19, 8x25)

Nominal Dia.	Nominal Strength in Tons 2000 lbs.	Weight Per ft.
3/8"	6.63	.26
1/2"	11.6	.47
9/16"	14.7	.60
5/8"	18.1	.73
3/4"	25.9	1.06
7/8"	35	1.44
1"	45.5	1.88



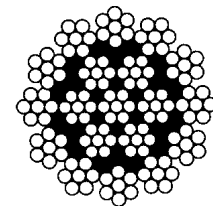
8x25 Filler Wire



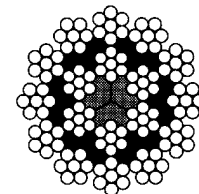
8x19 Seale

## 19x7 Class – Series 1810 (18x7, 19x7)

Nominal Dia.	Nominal Strength in Tons 2000 lbs.	Weight Per ft.
1/4"	2.77	.113
5/16"	4.3	.177
3/8"	6.15	.25
7/16"	8.33	.35
1/2"	10.8	.45
9/16"	13.6	.58
5/8"	16.8	.71
3/4"	24	1.02
7/8"	32.5	1.39
1"	42.2	1.82
1-1/8"	53.1	2.3



19x7



18x7 Fiber Core

not for multi-part reeving -single part line only

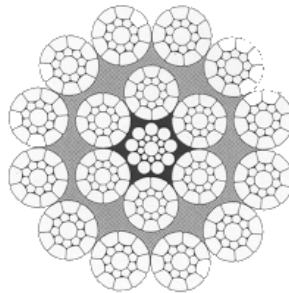


# Cushion-Pac® 18

## High Performance Rotation Resistant Rope

**(18x19)**

Nominal Dia.	Nominal Strength in Tons 2000 lbs.	Weight Per ft.
<b>1/2"</b>	<b>15.0</b>	<b>.50</b>
<b>9/16"</b>	<b>19.0</b>	<b>.63</b>
<b>5/8"</b>	<b>23.3</b>	<b>.78</b>
<b>3/4"</b>	<b>33.2</b>	<b>1.09</b>
<b>7/8"</b>	<b>44.9</b>	<b>1.49</b>
<b>1"</b>	<b>59.0</b>	<b>1.94</b>
<b>1-1/8"</b>	<b>73.3</b>	<b>2.44</b>
<b>1-1/4"</b>	<b>90.2</b>	<b>3.05</b>
<b>1-3/8"</b>	<b>106.0</b>	<b>3.67</b>
<b>1-1/2"</b>	<b>125.0</b>	<b>4.37</b>



### Cushion-Pac® 18

- Multi-part Reeving • Compacted Strands • Resists Crushing**
- Improved Flexibility • Required 5:1 Design Factor**



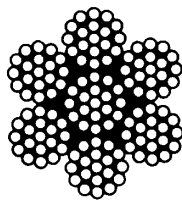
# Galvanized Wire Rope

## 7x7 Galvanized Cable

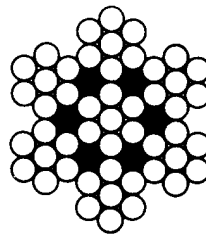
Nominal Dia.	Breaking Strength in Lbs.	Weight Per 1000ft.
1/16"	480	7.5
5/64"	650	11
3/32"	920	16
1/8"	1700	28
5/32"	2600	43
3/16"	3700	62
1/4"	6100	106

## 7x19 Galvanized Cable

Nominal Dia.	Breaking Strength in Lbs.	Weight Per 1000ft.
3/32"	1000	17.4
1/8"	2000	29
5/32"	2800	45
3/16"	4200	65
7/32"	5600	86
1/4"	7000	110
5/16"	9800	173
3/8"	14400	243



7 X 19



7 x 7

**Barrier Cable, Hand Lines, Winch Lines**



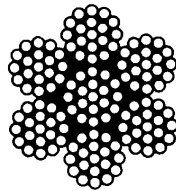
# Stainless Steel Wire Rope

## 7x7 Stainless Cable Type 304

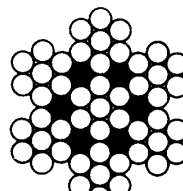
Nominal Dia.	Breaking Strength in Lbs.	Weight Per 1000ft.
1/16"	480	7.5
3/32"	920	16
1/8"	1760	28
3/16"	3700	62

## 7x19 Stainless Cable type 304

Nominal Dia.	Breaking Strength in Lbs.	Weight Per 1000ft.
3/32"	920	17
1/8"	1760	29
5/32"	2400	45
3/16"	3700	65
7/32"	5000	86
1/4"	6400	110
5/16"	9000	173
3/8"	12000	243



7 X 19



7 x 7

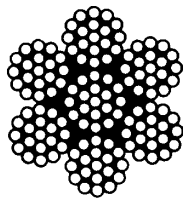
**Marine Applications  
Highly Corrosive Environments**



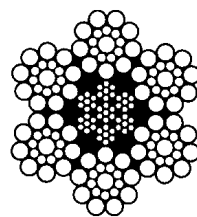
# Stainless Steel Wire Rope

## 7x19 Stainless Cable type 316

Nominal Dia.	Breaking Strength in Lbs.	Weight Per 1000ft.
1/16"	480	7.5
1/8"	1670	29
3/16"	3565	65
1/4"	5875	110
5/16"	8825	173
3/8"	11760	243



7 X 19



6x19 Seale

## 6x19 Stainless Steel Wire Rope Type 304 or 316

Nominal Dia.	Breaking Strength in Lbs.	Weight Per ft.
7/16"	16300	.35
1/2"	22800	.46
9/16"	28500	.59
5/8"	35000	.72
3/4"	49600	1.04

**Marine Applications  
Highly Corrosive Environments**

