

CRANE & LIFTING SOLUTIONS

With over a century of experience in lifting solutions, WRI offers an extensive range of crane ropes for any application. We leverage our materials expertise and versatile machinery to produce high quality ropes that allow our customers to increase efficiency of their operations and cut costs. Our specialists are at your disposal to advise you on the right selection of rope for your application and demonstrate how our ropes can create value for you.



WIRE ROPE
INDUSTRIES

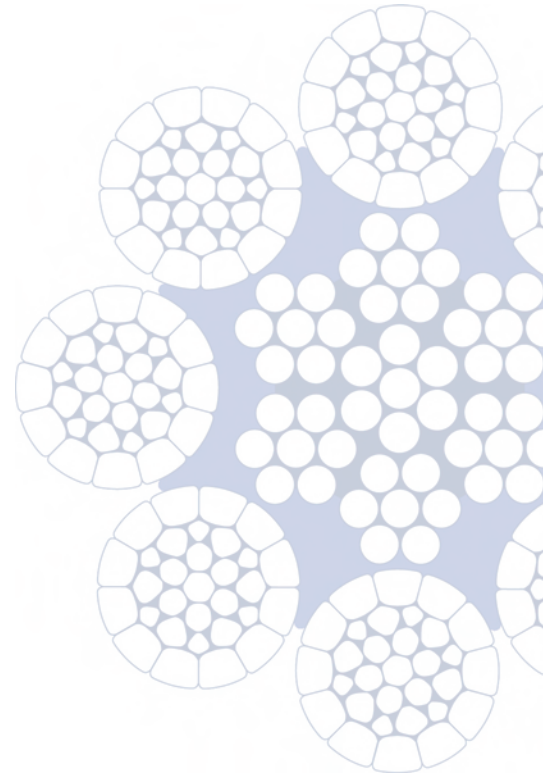
CRANE AND LIFTING SOLUTIONS

PRODUCT LINE

PRODUCTS	CONTAINER CRANES	CLAMSHELL CRANES	OFFSHORE PEDESTAL
 Surelift 35			» Main Hoist » Auxiliary Hoist
 Surelift 7			
 Power-Pac 9	» Boom Hoist	» Main Hoist » Closing Rope » Boom Hoist	» Boom Hoist
 Cushion-Pac 8	» Main Hoist » Boom Hoist	» Main Hoist » Closing Rope » Boom Hoist » Trolley Rope	
 DyPac 6	» Main Hoist » Boom Hoist	» Main Hoist » Closing Rope » Boom Hoist » Trolley Rope	» Boom Hoist
 Cushion-Pac 18			» Main Hoist » Auxiliary Hoist
 PS 630	» Main Hoist » Trolley Rope	» Main Hoist » Closing Rope » Boom Hoist » Trolley Rope	
 PS 620	» Main Hoist » Trolley Rope	» Main Hoist » Closing Rope » Boom Hoist	» Boom Hoist

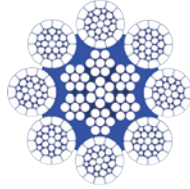
Any rope that is not rotation resistant is not recommended for use on a single-part line. Rotation resistant ropes are Surelift 35, Cushion-Pac 18, and Cushion-Pac 8 (reverse-lay version only)

TOWER CRANES	MOBILE CRANES	OVERHEAD CRANES
» Main Hoist	» Main Hoist » Aux. Hoist	
		» Main Hoist
	» Boom Hoist	
» Derricking Rope » Trolley Rope	» Main Hoist	» Main Hoist
» Derricking Rope » Trolley Rope	» Main Hoist » Boom Hoist	» Main Hoist
	» Main Hoist » Aux. Hoist	» Main Hoist
» Derricking Rope » Trolley Rope	» Main Hoist » Boom Hoist	» Main Hoist
» Derricking Rope » Trolley Rope	» Main Hoist » Boom Hoist	» Main Hoist

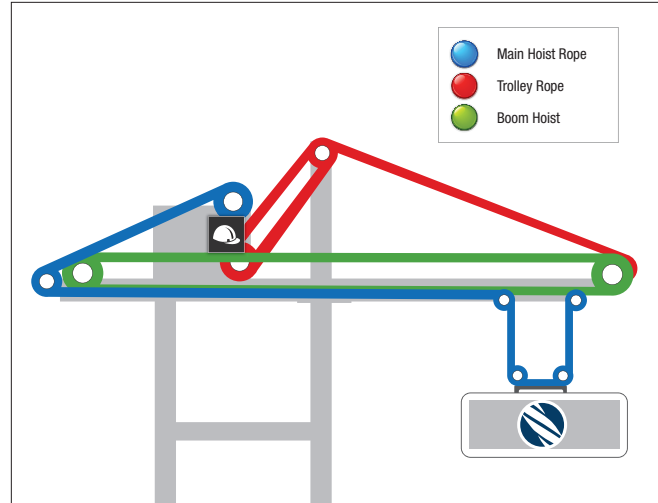


CONTAINER CRANES

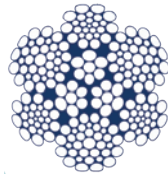
CUSHION-PAC 8



- » Excellent choice for production-oriented cranes
- » Exceptionally long service life for minimized downtime
- » High lifting capacity and resistance to crushing
- » Reduced drum and sheave wear and good spooling properties
- » Advanced cushioned core for superior rope life
- » Reverse-lay core version is available

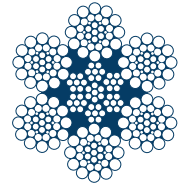


POWER-PAC 9



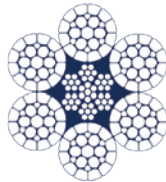
- » Roller-compact for maximum breaking load and consistency
- » Very high damage resistance and long service life
- » Unparalleled resistance to crushing on multi-layered drums
- » Smooth surface area for decreased wear on sheaves and drums

PS 630



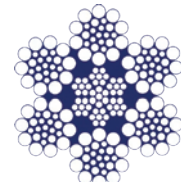
- » Proven durable rope design for a variety of applications
- » Improved flexibility relative to basic 6x26 constructions

DYPAC 6



- » Proven 6-strand construction with special high tensile wires
- » Exceptional durability ensures high productivity
- » DyPac design for high breaking loads and smooth outer surface
- » High crush resistance and enhanced drum spooling

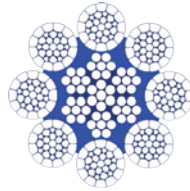
PS 620



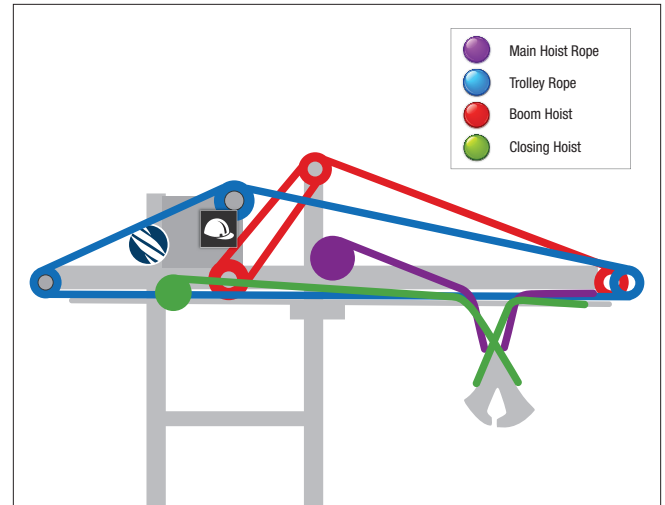
- » Good balance between wear resistance and flexibility
- » Specially formulated lubrication for extended service life

CLAMSHELL CRANES

CUSHION-PAC 8



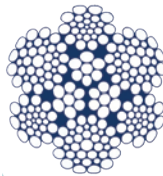
- » Excellent choice for production-oriented cranes
- » Exceptionally long service life for minimized downtime
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- » Reduced drum and sheave wear and good spooling properties
- » Advanced cushioned core for superior rope life
- » Reverse-lay core version is available



POWER-PAC 9

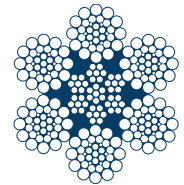


NEW



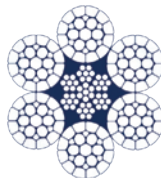
- » Roller-compacted for maximum breaking load and consistency
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- » Smooth surface area for decreased wear on sheaves and drums

PS 630



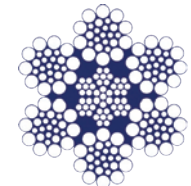
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DYPAC 6



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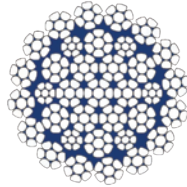
PS 620



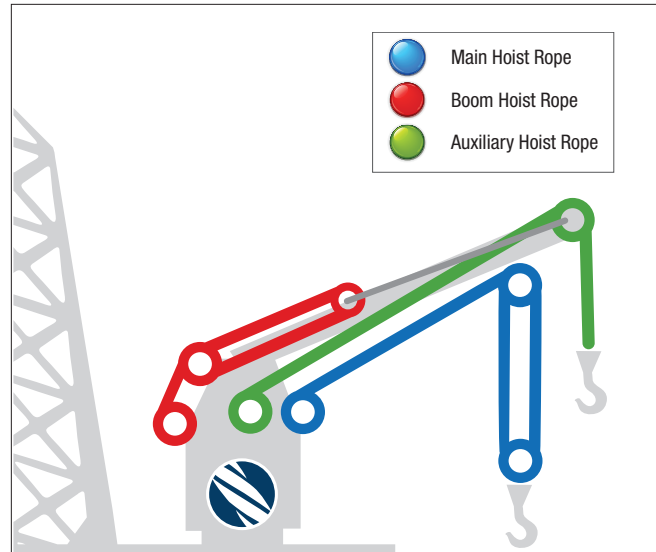
- » Good balance between wear resistance and flexibility
- » Specially formulated lubrication for extended service life

OFFSHORE PEDESTAL CRANES

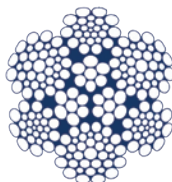
SURELIFT 35



- » Highly rotation resistant
- » Specially designed for high performance cranes with long drops
- » High strength-to-weight ratio ensures high breaking loads
- » Long life, high flexibility, and excellent spooling properties
- » Smooth surface area for decreased wear on sheaves and drums
- » Can be used with a swivel

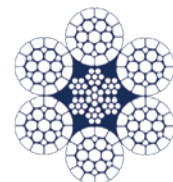


POWER-PAC 9



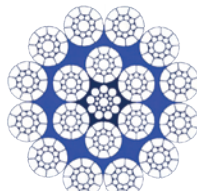
- » Roller-compacted for maximum breaking load and consistency
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- » Unparalleled resistance to crushing on multi-layered drums
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DYPAC 6



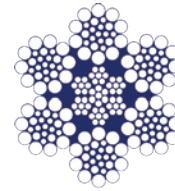
- » Proven 6-strand construction with special high tensile wires
- » Exceptional durability ensures high productivity
- » DyPac design for high breaking loads and smooth outer surface
- » High crush resistance and enhanced drum spooling

CUSHION-PAC 18



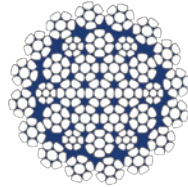
- » Rotation resistant rope for hoisting applications
- » Suitable for both single-fall and multi-reeve applications
- » Multi-strand construction with specially selected wire tensiles
- » DyPac design for increased lifting capacity and crushing resistance
- » Smooth outer strand for efficiency on high speed hoisting lines
- » Advanced cushion core for superior service life
- » Excellent spooling properties

PS 620

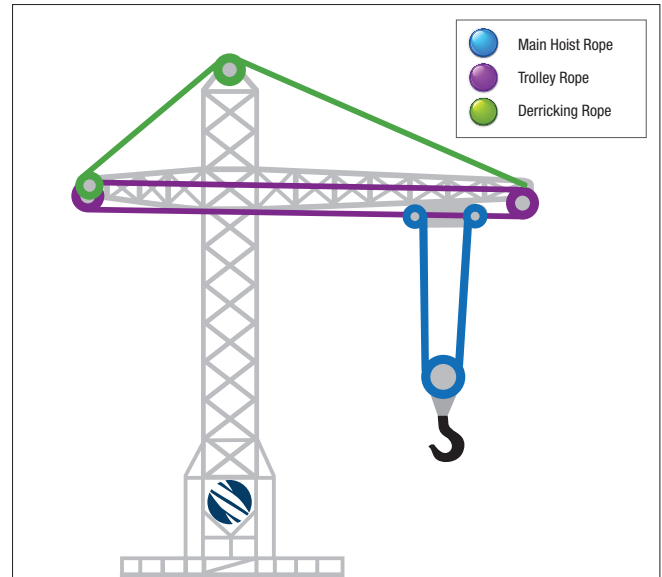


- » Good balance between wear resistance and flexibility
- » Specially formulated lubrication for extended service life

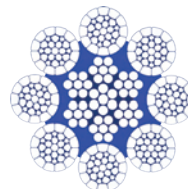
SURELIFT 35



- » Highly rotation resistant
- » Specially designed for high performance cranes with long drops
- » High strength-to-weight ratio ensures high breaking loads
- » Long life, high flexibility, and excellent spooling properties
- » Smooth surface area for decreased wear on sheaves and drums
- » Can be used with a swivel

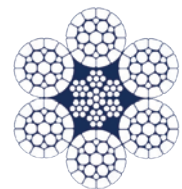


CUSHION PAC 8



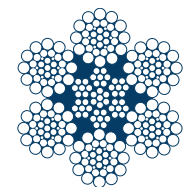
- » Excellent choice for production-oriented cranes
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- » Advanced cushioned core for superior rope life
- » Reverse-lay core version is available

DYPAC 6



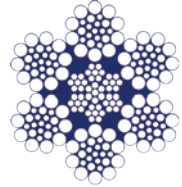
- » Proven 6-strand construction with special high tensile wires
- » Exceptional durability ensures high productivity
- » DyPac design for high breaking loads and smooth outer surface
- » High crush resistance and enhanced drum spooling

PS 630



- » Proven durable rope design for a variety of applications
- » Improved flexibility relative to basic 6x26 constructions

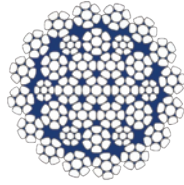
PS 620



- » Good balance between wear resistance and flexibility
- » Specially formulated lubrication for extended service life

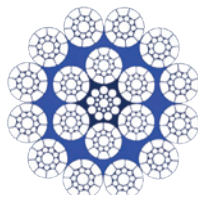
MOBILE CRANES

SURELIFT 35



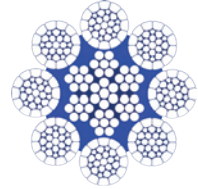
- » Highly rotation resistant
- » Specially designed for high performance cranes with long drops
- » High strength-to-weight ratio ensures high breaking loads
- » Long life, high flexibility, and excellent spooling properties
- » Smooth surface area for decreased wear on sheaves and drums
- » Can be used with a swivel

CUSHION-PAC 18



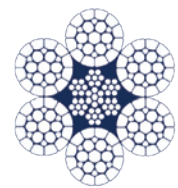
- » Rotation resistant rope for hoisting applications
- » Suitable for both single-fall and multi-reeve applications
- » Multi-strand construction with specially selected wire tensiles
- » DyPac design for increased lifting capacity and crushing resistance
- » Smooth outer strand for efficiency on high speed hoisting lines
- » Advanced cushion core for superior service life
- » Excellent spooling properties

CUSHION-PAC 8



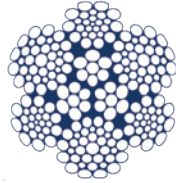
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DYPAC 6



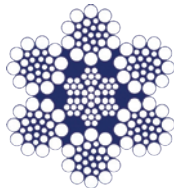
- » Proven 6-strand construction with special high tensile wires
- » Exceptional durability ensures high productivity
- » DyPac design for high breaking loads and smooth outer surface
- » High crush resistance and enhanced drum spooling

POWER-PAC 9



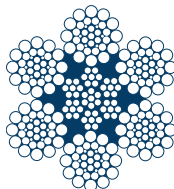
- » Roller-compacted for maximum breaking load and consistency
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PS 620

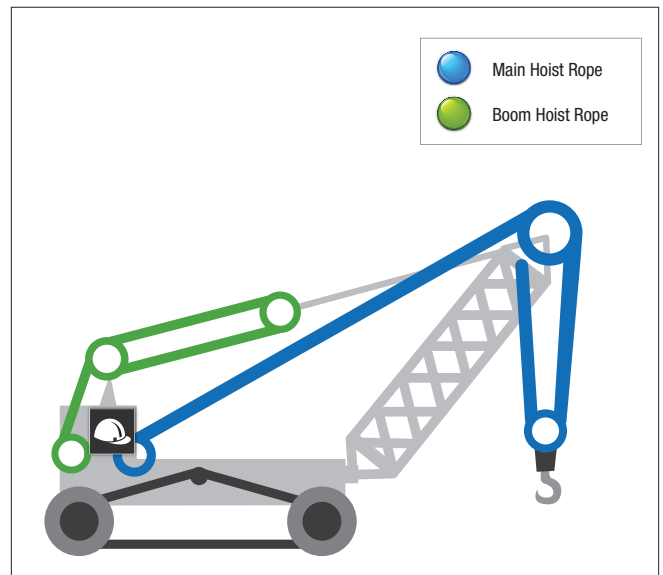
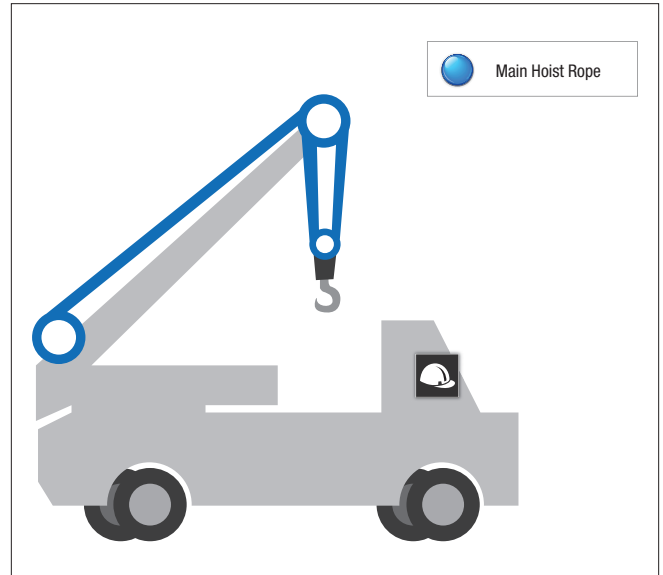


- » Proven durable rope design for a variety of applications
- » Improved flexibility relative to basic 6x26 constructions

PS 630

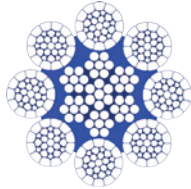


- » Good balance between wear resistance and flexibility
- » Specially formulated lubrication for extended service life

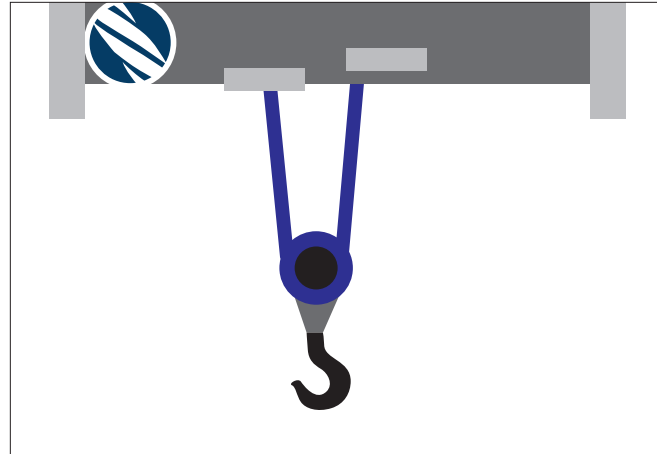


OVERHEAD CRANES

CUSHION-PAC 8



- » Excellent choice for production-oriented cranes
- » Exceptionally long service life for minimized downtime
- » High lifting capacity and resistance to crushing
- » Reduced drum and sheave wear and good spooling properties
- » Advanced cushioned core for superior rope life
- » Reverse-lay core version is available

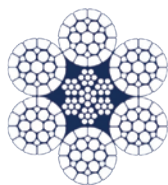


CUSHION-PAC 18



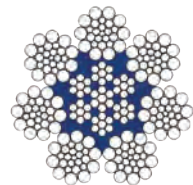
- » Rotation resistant rope for hoisting applications
- » Suitable for both single-fall and multi-reeve applications
- » Multi-strand construction with specially selected wire tensiles
- » DyPac design for increased lifting capacity and crushing resistance
- » Smooth outer strand for efficiency on high speed hoisting lines
- » Advanced cushion core for superior service life
- » Excellent spooling properties

DYPAC 6



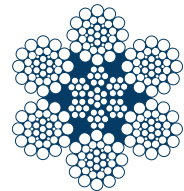
- » Proven 6-strand construction with special high tensile wires
- » Exceptional durability ensures high productivity
- » DyPac design for high breaking loads and smooth outer surface
- » High crush resistance and enhanced drum spooling

SURELIFT 7



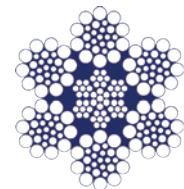
- » Well suited for high cycle applications like overhead cranes
- » High breaking load and resistance to bending fatigue
- » Good spooling in single layer or multi-layer winding applications
- » 7x26 construction up to 3/4" and 7x31 for larger diameters

PS 630



- » Proven durable rope design for a variety of applications
- » Improved flexibility relative to basic 6x26 constructions

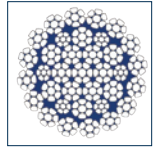
PS 620



- » Good balance between wear resistance and flexibility
- » Specially formulated lubrication for extended service life

PRODUCT SPECIFICATIONS

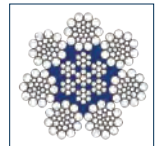
BREAKING LOAD TABLES - CRANES



Surelift 35

DIAMETER		CONSTRUCTION	APPROX. WEIGHT		MINIMUM BREAKING LOAD	
			lb/ft	kg/m	Tons	kN
10	mm	Surelift 35	0.33	0.50	11.0	98
11	mm	Surelift 35	0.40	0.60	13.3	118
13	mm	Surelift 35	0.56	0.84	18.2	162
14	mm	Surelift 35	0.65	0.97	21.1	188
15	mm	Surelift 35	0.77	1.14	24.4	217
16	mm	Surelift 35	0.85	1.27	28.2	251
18	mm	Surelift 35	1.08	1.61	34.6	308
19	mm	Surelift 35	1.21	1.79	38.7	344
20	mm	Surelift 35	1.34	1.99	42.9	382
21	mm	Surelift 35	1.48	2.20	47.7	424
22	mm	Surelift 35	1.62	2.41	52.4	466
23	mm	Surelift 35	1.77	2.63	57.3	510
24	mm	Surelift 35	1.92	2.86	62.4	555
25	mm	Surelift 35	2.04	3.03	66.1	588
1	inch	Surelift 35	2.15	3.21	70.0	622
28	mm	Surelift 35	2.62	3.90	85.2	758
1 1/8	inch	Surelift 35	2.73	4.06	86.9	773
32	mm	Surelift 35	3.42	5.09	110	980
34	mm	Surelift 35	3.95	5.87	126	1,117
38	mm	Surelift 35	4.85	7.22	147	1,307
40	mm	Surelift 35	5.34	7.95	171	1,521
42	mm	Surelift 35	6.02	8.96	174	1,546
44	mm	Surelift 35	6.61	9.83	191	1,697

Ref. ASTM 1023/A, 1023M-07 Table 34

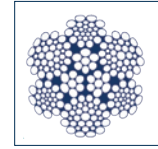


Surelift 7

DIAMETER		CONSTRUCTION	APPROX. WEIGHT		MINIMUM BREAKING LOAD	
inches	mm		lb/ft	kg/m	Tons	kN
5/8	16	7 x 26 IWRC	0.72	1.1	20.6	183
3/4	19	7 x 26 IWRC	1.0	1.5	29.4	262
7/8	22	7 x 26 IWRC	1.4	2.1	39.8	354
1	25	7 x 26 IWRC	1.9	2.8	51.7	460
1 1/8	29	7 x 26 IWRC	2.3	3.5	65.0	579
1 1/4	32	7 x 26 IWRC	2.9	4.3	79.9	711

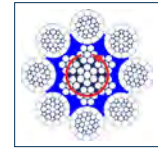
PRODUCT SPECIFICATIONS

BREAKING LOAD TABLES - CRANES



Power-Pac 9

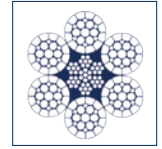
DIAMETER		CONSTRUCTION	APPROX. WEIGHT		MINIMUM BREAKING LOAD	
Inches	mm		lb/ft	kg/m	Tons	kN
5/8	16	Power Pac 9	0.9	1.3	25.5	227
3/4	19	Power Pac 9	1.1	1.6	36.5	325
7/8	22	Power Pac 9	1.5	2.2	48.5	432
1	25	Power Pac 9	2.0	3.0	62.5	556
1 1/8	29	Power Pac 9	2.6	3.9	79.5	708



Cushion-Pac 8 RL

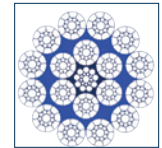
DIAMETER		CONSTRUCTION	APPROX. WEIGHT		MINIMUM BREAKING LOAD		MINIMUM BREAKING LOAD	
inches	(mm)		lb/ft	(kg/m)	EIP		EEIP	
				Tons	kN	Tons	kN	
1/2	13	8x26WS Dy-Pac CC (APT - Reverse Lay)	0.50	0.74	14.6	130	16.1	143
9/16	14	8x26WS Dy-Pac CC (APT - Reverse Lay)	0.63	0.94	18.5	165	20.4	182
5/8	16	8x26WS Dy-Pac CC (APT - Reverse Lay)	0.78	1.2	22.7	202	25.0	223
3/4	19	8x26WS Dy-Pac CC (APT - Reverse Lay)	1.1	1.6	32.4	288	35.6	317
7/8	22	8x31WS Dy-Pac CC (APT - Reverse Lay)	1.5	2.2	43.8	390	48.2	429
1	25	8x31WS Dy-Pac CC (APT - Reverse Lay)	1.9	2.9	56.9	506	62.6	557
1 1/8	29	8x31WS Dy-Pac CC (APT - Reverse Lay)	2.4	3.6	71.5	636	78.7	700
1 1/4	32	8x31WS Dy-Pac CC (APT - Reverse Lay)	3.1	4.5	87.9	782	96.7	861
1 3/8	35	8x36WS Dy-Pac CC (APT - Reverse Lay)	3.7	5.5	106	943	117	1,041
1 1/2	38	8x36WS Dy-Pac CC (APT - Reverse Lay)	4.4	6.5	125	1,112	138	1,228

DyPac 6



DIAMETER		CONSTRUCTION	APPROX. WEIGHT		MINIMUM BREAKING LOAD	
inches	mm		lb/ft	kg/m	Tons	kN
3/8	10	6x19 RRL Dy-Pac	0.30	0.4	8.8	78
7/16	11	6x19 RRL Dy-Pac	0.39	0.6	11.9	106
1/2	13	6x19 RRL Dy-Pac	0.51	0.8	15.3	136
9/16	14	6x19 RRL Dy-Pac	0.64	1.0	19.3	172
5/8	16	6x19 RRL Dy-Pac	0.79	1.2	22.7	202
3/4	19	6x19 RRL Dy-Pac	1.1	1.7	32.4	288
7/8	22	6x19 RRL Dy-Pac	1.5	2.3	43.8	390
1	25	6x19 RRL Dy-Pac	2.0	3.0	57.5	512
1 1/8	29	6x19 RRL Dy-Pac	2.5	3.8	71.5	636
1 1/4	32	6x19 RRL Dy-Pac	3.1	4.6	87.9	782
1 3/8	35	6x19 RRL Dy-Pac	3.7	5.5	106	943
1 1/2	38	6x19 RRL Dy-Pac	4.6	6.8	125	1,112

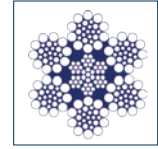
Cushion-Pac 18



DIAMETER		CONSTRUCTION	APPROX. WEIGHT		MINIMUM BREAKING LOAD	
inches	mm		lb/ft	kg/m	Tons	kN
3/8	10	18x7 RRL Dy-Pac CC	0.29	0.43	8.3	74
7/16	11	18x7 RRL Dy-Pac CC	0.40	0.60	11.2	100
1/2	13	18x7 RRL Dy-Pac CC	0.52	0.77	14.6	130
9/16	14	18x19 RRL Dy-Pac CC	0.66	1.0	19.2	171
5/8	16	18x19 RRL Dy-Pac CC	0.80	1.2	22.7	202
3/4	19	18x19 RRL Dy-Pac CC	1.2	1.8	32.4	288
7/8	22	18x19 RRL Dy-Pac CC	1.6	2.4	44.3	394
1	25	18x19 RRL Dy-Pac CC	2.1	3.1	57.5	512
1 1/8	29	18x19 RRL Dy-Pac CC	2.6	3.9	72.8	648
1 1/4	32	18x19 RRL Dy-Pac CC	3.3	4.9	90.6	806
1 3/8	35	18x19 RRL Dy-Pac CC	4.0	5.9	111	990
1 1/2	38	18x19 RRL Dy-Pac CC	4.7	7.0	133	1,180

PRODUCT SPECIFICATIONS

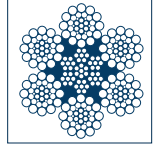
BREAKING LOAD TABLES - CRANES



PS 620

DIAMETER		CONSTRUCTION	APPROX. WEIGHT		NOMINAL BREAKING LOAD	
Inches	mm		lb/ft	kg/m	Tons	kN
1/4	6	6x26 RRL EIPS IWRC	0.12	0.18	3.4	30
5/16	8	6x26 RRL EIPS IWRC	0.18	0.27	5.3	47
3/8	10	6x26 RRL EIPS IWRC	0.26	0.39	7.6	68
7/16	11	6x26 RRL EIPS IWRC	0.35	0.52	10.2	91
1/2	13	6x26 RRL EIPS IWRC	0.46	0.68	13.3	118
9/16	14	6x26 RRL EIPS IWRC	0.59	0.88	16.8	150
5/8	16	6x26 RRL EIPS IWRC	0.72	1.07	20.6	183
3/4	19	6x26 RRL EIPS IWRC	1.04	1.55	29.4	262
7/8	22	6x26 RRL EIPS IWRC	1.42	2.11	39.8	354
1	25	6x26 RRL EIPS IWRC	1.85	2.75	51.7	460
1 1/8	29	6x26 RRL EIPS IWRC	2.34	3.48	65.0	579
1 1/4	32	6x26 RRL EIPS IWRC	2.89	4.30	79.9	711
1 3/8	35	6x26 RRL EIPS IWRC	3.50	5.21	96.0	854
1 1/2	38	6x26 RRL EIPS IWRC	4.16	6.19	114	1,015
1 5/8	41	6x26 RRL EIPS IWRC	4.88	7.26	132	1,175
1 3/4	44	6x26 RRL EIPS IWRC	5.67	8.44	153	1,362
1 7/8	48	6x26 RRL EIPS IWRC	6.50	9.67	174	1,549
2	51	6x26 RRL EIPS IWRC	7.39	11.00	198	1,762
2 1/8	54	6x26 RRL EIPS IWRC	8.35	12.43	221	1,967
2 1/4	57	6x26 RRL EIPS IWRC	9.36	13.93	247	2,198

PS 630



DIAMETER		CONSTRUCTION	APPROX. WEIGHT		MINIMUM BREAKING LOAD	
Inches	mm		lb/ft	kg/m	Tons	kN
1/4	6	6x36 RRL EIPS IWRC	0.12	0.18	3.4	30
5/16	8	6x36 RRL EIPS IWRC	0.18	0.27	5.27	47
3/8	10	6x36 RRL EIPS IWRC	0.26	0.39	7.55	67
7/16	11	6x36 RRL EIPS IWRC	0.35	0.52	10.2	91
1/2	13	6x36 RRL EIPS IWRC	0.46	0.68	13.3	118
9/16	14	6x36 RRL EIPS IWRC	0.59	0.88	16.8	150
5/8	16	6x36 RRL EIPS IWRC	0.72	1.07	20.6	183
3/4	19	6x36 RRL EIPS IWRC	1.04	1.55	29.4	262
7/8	22	6x36 RRL EIPS IWRC	1.42	2.11	39.8	354
1	25	6x36 RRL EIPS IWRC	1.85	2.75	51.7	460
1 1/8	29	6x36 RRL EIPS IWRC	2.34	3.48	65.0	579
1 1/4	32	6x36 RRL EIPS IWRC	2.89	4.30	79.9	711
1 3/8	35	6x36 RRL EIPS IWRC	3.50	5.21	96.0	854
1 1/2	38	6x36 RRL EIPS IWRC	4.16	6.19	114	1,015
1 5/8	41	6x36 RRL EIPS IWRC	4.88	7.26	132	1,175
1 3/4	44	6x36 RRL EIPS IWRC	5.67	8.44	153	1,362
1 7/8	48	6x36 RRL EIPS IWRC	6.50	9.67	174	1,549
2	51	6x36 RRL EIPS IWRC	7.39	11.00	198	1,762
2 1/8	54	6x36 RRL EIPS IWRC	8.35	12.43	221	1,967
2 1/4	57	6x36 RRL EIPS IWRC	9.36	13.93	247	2,198
2 3/8	60	6x36 RRL EIPS IWRC	10.60	15.77	274	2,439
2 1/2	64	6x36 RRL EIPS IWRC	11.60	17.26	302	2,688
2 3/4	70	6x36 RRL EIPS IWRC	14.00	20.83	361	3,213
3	76	6x36 RRL EIPS IWRC	16.60	24.70	425	3,782
3 1/4	83	6x36 RRL EIPS IWRC	19.50	29.02	492	4,379
3 1/2	89	6x36 RRL EIPS IWRC	22.70	33.78	564	5,019

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