



**OVERHEAD GROUND & GUYING**



**DAM GATE CONTROL**



**SUPPORT SERVICES**



# POWERLINE<sup>®</sup>

BY WIRE ROPE INDUSTRIES



**WIRE ROPE  
INDUSTRIES**

*Outperform with our ropes*



**PERFORMANCE SERIES™ 100**  
**1x7 Galvanized Strand (ASTM A475 Class A Coating)**

Weights and Breaking Loads

Diameter inches (mm)	Number of Wires	Diameter of Coated Wires inches (mm)	Approx. Weight lbs/1000 ft (kg/1000 m)	Minimum Breaking Load - lbs (kN)		
				Siemens -Martin Grade	High Strength Grade	Extra-High Strength Grade
3/16 (4.8)	7	0.062 (1.57)	73 (109)	1 900 (8.45)	2 850 (12.68)	3 990 (17.75)
7/32 (5.6)	7	0.072 (1.83)	98 (146)	2 560 (11.39)	3 850 (17.13)	5 400 (24.02)
1/4 (6.4)	7	0.080 (2.03)	121 (180)	3 150 (14.01)	4 750 (21.13)	6 650 (29.58)
9/32 (7.1)	7	0.093 (2.36)	164 (244)	4 250 (18.90)	6 400 (28.47)	8 950 (39.81)
5/16 (7.9)	7	0.104 (2.64)	205 (305)	5 350 (23.80)	8 000 (35.59)	11 200 (49.82)
3/8 (9.5)	7	0.120 (3.05)	273 (406)	6 950 (30.91)	10 800 (48.04)	15 400 (68.50)
7/16 (11.1)	7	0.145 (3.68)	399 (594)	9 350 (41.59)	14 500 (64.50)	20 800 (92.52)
1/2 (12.7)	7	0.165 (4.19)	517 (770)	12 100 (53.82)	18 800 (83.63)	26 900 (119.66)
9/16 (14.3)	7	0.188 (4.78)	671 (999)	15 700 (69.84)	24 500 (108.98)	35 000 (155.69)
5/8 (15.9)	7	0.207 (5.26)	813 (1210)	19 100 (84.96)	29 600 (131.67)	42 400 (188.60)

Also available to ASTM A363 and classes B and C weights of zinc coating.



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**PERFORMANCE SERIES™ 100**  
**1x7 Galvanized Strand (CAN/CSA - G12 - Class A Coating)**

Weights and Breaking Loads - Imperial

Diameter inches	Number of Wires and Diameter inches	Approx. Metallic Area sq. in.	Approx. Weight lbs/1000 ft	Minimum Breaking Load - lbs		
				Grade 110	Grade 160	Grade 180
3/16	7x0.065	0.0232	79	2 400	3 500	4 000
1/4	7x0.083	0.0379	129	3 900	5 700	6 400
9/32	7x0.095	0.0496	169	5 200	7 500	8 500
5/16	7x0.109	0.0653	223	6 800	9 900	11 100
3/8	7x0.120	0.0792	270	8 200	12 000	13 500
7/16	7x0.144	0.1140	389	11 900	17 300	19 500
1/2	7x0.165	0.1496	511	15 600	22 700	25 500
5/8	7x0.207	0.2355	813	24 600	35 800	40 200

Also available with classes B and C weights of zinc coating.



**PERFORMANCE SERIES™ 100**  
**1x7 Galvanized Strand (CAN/CSA - G12 - Class A Coating)**

Weights and Breaking Loads - Metric

Diameter mm	Number of Wires and Diameter mm	Approx. Metallic Area mm <sup>2</sup>	Approx. Weight kg/1000 m	Minimum Breaking Load - kN		
				Grade 800	Grade 1100	Grade 1300
5.1	7x1.70	15.9	130	12.0	16.5	19.5
6.3	7x2.10	24.2	190	18.0	25.0	30.0
7.2	7x2.40	31.7	250	24.0	33.0	39.0
8.4	7x2.80	43.1	340	33.0	45.0	53.0
9.0	7x3.00	49.5	390	37.5	52.0	61.0
10.8	7x3.60	71.3	560	54.0	74.5	88.0
12.6	7x4.20	97.0	760	74.0	101.0	120.0

Also available with classes B and C weights of zinc coating.



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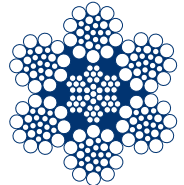
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**PERFORMANCE SERIES™ 620**  
**6x19 Classification Quality Ropes**

Weights and Breaking Loads

<b>Diameter inches (mm)</b>	<b>Rope Construction</b>	<b>Approx. Weight lbs/ft (kg/m)</b>	<b>Nominal Breaking Load tons (kN)</b>
1/4 (6)	6x19 EIPS IWRC	0.12 (0.17)	3.4 (30)
5/16 (8)	6x19 EIPS IWRC	0.18 (0.27)	5.3 (47)
3/8 (10)	6x19 EIPS IWRC	0.26 (0.39)	7.6 (67)
7/16 (11)	6x26 EIPS IWRC	0.35 (0.52)	10.2 (91)
1/2 (13)	6x26 EIPS IWRC	0.46 (0.68)	13.3 (118)
9/16 (14)	6x26 EIPS IWRC	0.59 (0.88)	16.8 (149)
5/8 (16)	6x26 EIPS IWRC	0.72 (1.07)	20.6 (183)
3/4 (19)	6x26 EIPS IWRC	1.04 (1.55)	29.4 (262)
7/8 (22)	6x26 EIPS IWRC	1.42 (2.11)	39.8 (354)
1 (25)	6x26 EIPS IWRC	1.85 (2.75)	51.7 (460)
1-1/8 (29)	6x26 EIPS IWRC	2.34 (3.48)	65.0 (578)
1-1/4 (32)	6x26 EIPS IWRC	2.89 (4.30)	79.9 (711)
1-3/8 (35)	6x26 EIPS IWRC	3.50 (5.21)	96.0 (854)
1-1/2 (38)	6x26 EIPS IWRC	4.16 (6.19)	114.0 (1 014)
1-5/8 (41)	6x26 EIPS IWRC	4.88 (7.26)	132.0 (1 174)
1-3/4 (44)	6x26 EIPS IWRC	5.67 (8.44)	153.0 (1 361)
1-7/8 (48)	6x26 EIPS IWRC	6.50 (9.67)	174.0 (1 548)
2 (51)	6x26 EIPS IWRC	7.39 (11.00)	198.0 (1 762)
2-1/8 (54)	6x26 EIPS IWRC	8.35 (12.43)	221.0 (1 967)
2-1/4 (57)	6x26 EIPS IWRC	9.36 (13.93)	247.0 (2 199)



Breaking load values are subject to a minus tolerance of 2.5%.



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