2. General Purpose

POWERLIFT 6

•6×19 Class Rope

Nominal Dia.		Minimum Breaking Load (Metric Ton)					Approx Weight	
		180 kg/㎟		200 kg/㎟		220 kg/㎟		
mm	inch	1770 N/㎟		1960 N/㎟		2160 N/㎟	kg/m	
		FC	IWRC	FC	IWRC	IWRC	FC	IWRC
6		2.1	2.4	2.3	2.7	2.9	0.13	0.16
6.4	1/4	2.5	2.9	2.8	3.2	3.5	0.16	0.18
8	5/16	3.8	4.3	4.1	4.8	5.2	0.23	0.28
9		4.8	5.4	5.2	6.1	6.6	0.29	0.35
9.5	3/8	5.4	6.1	5.9	6.8	7.4	0.33	0.39
10		5.9	6.7	6.5	7.5	8.1	0.36	0.43
11.2	7/16	7.4	8.4	8.1	9.4	10.2	0.46	0.54
12		8.5	9.7	9.3	10.8	11.7	0.52	0.62
12.7	1/2	9.5	10.8	10.5	12.1	13.1	0.59	0.69
13		10.0	11.4	10.9	12.7	13.7	0.61	0.73
14		11.6	13.2	12.7	14.7	15.9	0.71	0.84
14.3	9/16	12.1	13.7	13.2	15.3	16.6	0.74	0.88
15		13.3	15.1	14.6	16.9	18.3	0.82	0.97
16	5/8	15.1	17.2	16.6	19.2	20.8	0.93	1.10
17.5	11/16	18.1	20.6	19.8	23.0	24.9	1.11	1.32
18		19.2	21.8	21.0	24.3	26.3	1.18	1.40
19	3/4	21.4	24.3	23.4	27.1	29.3	1.31	1.55
20		23.7	26.9	25.9	30.0	32.5	1.46	1.72
21	13/16	26.1	29.6	28.6	33.1	35.8	1.60	1.90
22		28.6	32.5	31.4	36.3	39.3	1.76	2.08
22.2	7/8	29.2	33.1	31.9	37.0	40.2	1.79	2.12
24	15/16	34.1	38.7	37.3	43.2	46.8	2.10	2.48
25		37.0	42.0	40.5	46.9	50.8	2.27	2.69
25.4	1	38.2	43.4	41.8	48.4	52.4	2.35	2.78
26		40.0	45.4	43.8	50.7	55.0	2.46	2.91
28		46.4	52.7	50.8	58.8	63.7	2.85	3.38
28.6	1-1/8	48.4	55.0	53.0	61.3	66.5	2.98	3.52
30	1-3/16	53.3	60.5	58.3	67.5	73.2	3.28	3.88
31.8	1-1/4	59.8	68.0	65.5	75.8	82.2	3.68	4.35
32		60.6	68.8	66.3	76.8	83.2	3.73	4.41
34		68.4	77.7	74.9	86.7	94.0	4.21	4.98
35	1-3/8	72.5	82.3	79.4	91.9	99.6	4.46	5.27
36		76.7	87.1	84.0	97.2	105.4	4.72	5.58
38		85.4	97.1	93.6	108.3	117.4	5.25	6.22
38.1	1-1/2	85.9	97.6	94.1	108.9	118.0	5.28	6.25
40		94.7	107.6	103.7	120.0	130.1	5.82	6.89
42		104.4	118.6	114.3	132.3		6.42	7.60
44		114.5	130.1	125.4	145.2		7.04	8.34
44.5	1-3/4	116.9	132.8	128.0	148.2		7.19	8.51
46		125.2	142.2	137.1	158.7		7.70	9.11
48		136.3	154.9	149.3	172.8		8.38	9.92
50		147.9	168.1	162.0	187.5		9.10	10.76
50.8	2	152.7	173.5	167.2	193.5		9.39	11.11
52		160.0	181.8	175.2	202.8		9.84	11.64
54		172.5	196.0	188.9	218.7		10.61	12.56
56		185.5	210.8	203.2	235.2		11.41	13.50
57.2	2-1/4	193.6	219.9	212.0	245.4		11.91	14.09
58		199.0	226.1	218.0	252.3		12.24	14.48
60		213.0	242.0	233.3	270.0		13.10	15.50
63.5	2-1/2	238.6	271.1		302.4		14.67	17.36
66		257.7	292.8		326.7		15.85	18.76
68		273.6	310.8		346.8		16.83	19.91
70	2-3/4	289.9	329.4				17.83	21.10
72		306.7	348.5				18.86	22.32
74		324.0	368.1				19.93	23.58
76.2	3	343.5	390.3				21.13	25.00

•6×37 Class Rope

Nominal Dia.		Minimum Breaking Load (Metric Ton)					Approx Weight	
		180 kg/㎟		200 kg/㎟		220 kg/㎟		
mm	inch	1770 N/㎟		1960 N/㎟		2160 N/㎟	kg/m	
		FC	IWRC	FC	IWRC	IWRC	FC	IWRC
6		2.2	2.5	2.4	2.7	3.0	0.13	0.16
6.4	1/4	2.6	2.9	2.9	3.2	3.5	0.16	0.19
8	5/16	3.9	4.4	4.3	4.9	5.3	0.24	0.28
9		4.9	5.6	5.4	6.2	6.7	0.30	0.36
9.5	3/8	5.5	6.3	6.1	6.9	7.5	0.34	0.40
10		6.0	6.9	6.7	7.6	8.2	0.37	0.44
11.2	7/16	7.6	8.7	8.4	9.5	10.3	0.47	0.55
12		8.7	10.0	9.6	11.0	11.9	0.54	0.63
12.7	1/2	9.7	11.2	10.8	12.3	13.3	0.60	0.71
13		10.2	11.7	11.3	12.9	13.9	0.63	0.74
14		11.8	13.6	13.1	14.9	16.2	0.73	0.86
14.3	9/16	12.3	14.1	13.7	15.6	16.9	0.76	0.90
15		13.6	15.6	15.1	17.1	18.6	0.84	0.99
16	5/8	15.4	17.7	17.1	19.5	21.1	0.95	1.12
17.5	11/16	18.5	21.2	20.5	23.3	25.3	1.14	1.34
18		19.5	22.4	21.7	24.7	26.7	1.21	1.42
19	3/4	21.8	25.0	24.2	27.5	29.8	1.35	1.58
20		24.1	27.7	26.8	30.4	33.0	1.49	1.76
21	13/16	26.6	30.5	29.5	33.6	36.4	1.64	1.94
22		29.2	33.5	32.4	36.8	39.9	1.80	2.12
22.2	7/8	29.7	34.2	33.0	37.6	40.7	1.84	2.17
24	15/16	34.7	39.8	38.5	43.8	47.5	2.15	2.53
25		37.7	43.2	41.8	47.6	51.6	2.33	2.74
25.4	1	38.9	44.6	43.2	49.1	53.2	2.41	2.83
26		40.7	46.7	45.2	51.5	55.8	2.52	2.97
28		47.3	54.2	52.5	59.7	64.7	2.92	3.44
28.6	1-1/8	49.3	56.6	54.7	62.3	67.5	3.05	3.59
30	1-3/16	54.3	62.2	60.2	68.5	74.2	3.36	3.95
31.8	1-1/4	61.0	69.9	67.7	77.0	83.4	3.77	4.44
32		61.7	70.8	68.5	77.9	84.5	3.82	4.49
34		69.7	79.9	77.4	88.0	95.4	4.31	5.07
35	1-3/8	73.8	84.7	82.0	93.2	101.1	4.57	5.38
36		78.1	89.6	86.7	98.6	106.9	4.83	5.69
38		87.0	99.8	96.6	109.9	119.1	5.38	6.34
38.1	1-1/2	87.5	100.4	97.1	110.5	119.8	5.41	6.37
40		96.4	110.6	107.1	121.8	132.0	5.96	7.02
42		106.3	122.0	118.0	134.3		6.58	7.74
44		116.7	133.9	129.6	147.4		7.22	8.50
44.5	1-3/4	119.1	136.6	132.2	150.4		7.37	8.67
46		127.5	146.3	141.6	161.1		7.89	9.29
48		138.9	159.3	154.2	175.4		8.59	10.11
50		150.7	172.9	167.3	190.3		9.32	10.97
50.8	2	155.6	178.4	172.7	196.4		9.62	11.33
52		163.0	187.0	180.9	205.8		10.08	11.87
54		175.8	201.6	195.1	221.9		10.87	12.80
56		189.0	216.8	209.9	238.7		11.69	13.76
57.2	2-1/4	197.2	226.2	218.9	249.0		12.20	14.36
58		202.8	232.6	225.1	256.0		12.54	14.76
60		217.0	248.9	240.9	274.0		13.42	15.80
63.5	2-1/2	243.1	278.8		306.9		15.03	17.70
66		262.6	301.2		331.5		16.24	19.12
68		278.7	319.7		351.9		17.24	20.29
70	2-3/4	295.4	338.8				18.27	21.51
72		312.5	358.4				19.32	22.75
74		330.1	378.6				20.41	24.03
76.2	3	350.0	401.5				21.65	25.48

• Other size is avaliable upon request.
(Maximum production size of 6 X 37 Class Rope - Dia. 120mm)

3. Crane / Drilling / General Engineering

POWERLIFT 7

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 kg/㎟	200 kg/㎟	220 kg/㎟	
mm	inch	1770 N/㎟	1960 N/㎟	2160 N/㎟	kg/m
20		27.7	30.4	33.0	1.71
21	13/16	30.5	33.6	36.4	1.89
22		33.5	36.8	39.9	2.07
22.2	7/8	34.2	37.6	40.7	2.11
24	15/16	39.8	43.8	47.5	2.46
25		43.2	47.6	51.6	2.67
25.4	1	44.6	49.1	53.2	2.76
26		46.7	51.5	55.8	2.89
28		54.2	59.7	64.7	3.35
28.6	1-1/8	56.6	62.3	67.5	3.50
30	1-3/16	62.2	68.5	74.2	3.85
31.8	1-1/4	69.9	77.0	83.4	4.32
32		70.8	77.9	84.5	4.38
34		79.9	88.0	95.4	4.94
35	1-3/8	84.7	93.2	101.1	5.24
36		89.6	98.6	106.9	5.54
38		99.8	109.9	119.1	6.17
38.1	1-1/2	100.4	110.5	119.8	6.21
40		110.6	121.8	132.0	6.84
42		122.0	134.3		7.54
44		133.9	147.4		8.28
44.5	1-3/4	136.6	150.4		8.47
46		146.3	161.1		9.05
48		159.3	175.4		9.85

POWERLIFT 8

•8×19 Class Rope

Nominal Dia.		Minimum Breaking Load (Metric Ton)					Approx Weight	
		180 kg/㎟		200 kg/㎟		220 kg/㎟		
mm	inch	1770 N/㎟		1960 N/㎟		2160 N/㎟	kg/m	
		FC	IWRC	FC	IWRC	IWRC	FC	IWRC
14		11.7	13.5	12.8	15.0	16.2	0.71	0.85
14.3	9/16	12.2	14.0	13.4	15.6	16.9	0.74	0.89
15		13.4	15.5	14.7	17.2	18.6	0.82	0.98
16	5/8	15.3	17.6	16.7	19.6	21.2	0.93	1.11
17.5	11/16	18.3	21.0	20.0	23.4	25.3	1.11	1.33
18		19.3	22.3	21.2	24.8	26.8	1.18	1.41
19	3/4	21.5	24.8	23.6	27.6	29.9	1.31	1.57
20		23.9	27.5	26.1	30.6	33.1	1.45	1.74
22		28.9	33.2	31.6	37.0	40.1	1.76	2.11
24		34.4	39.6	37.6	44.1	47.7	2.09	2.51
25		37.3	42.9	40.8	47.8	51.7	2.27	2.72
26		40.4	46.4	44.1	51.7	55.9	2.46	2.94
28		46.8	53.8	51.2	60.0	64.9	2.85	3.41
28.6	1-1/8	48.8	56.2	53.4	62.6	67.7	2.97	3.56
30	1-3/16	53.7	61.8	58.8	68.9	74.5	3.27	3.92
32		61.1	70.3	66.9	78.4	84.7	3.72	4.46
34		69.0	79.4	75.5	88.5	95.7	4.20	5.03
35		73.1	84.1	80.0	93.8	101.4	4.45	5.33
36		77.4	89.0	84.6	99.2	107.3	4.71	5.64
38		86.2	99.2	94.3	110.5	119.5	5.25	6.28
38.1	1-1/2	86.7	99.7	94.8	111.1	120.1	5.27	6.32
40		95.5	109.9	104.5	122.4	132.4	5.81	6.96
42		105.3	121.1	115.2	135.0		6.41	7.68
44		115.6	133.0	126.4	148.2		7.03	8.43
45		120.9	139.1	132.2	155.0		7.36	8.81
46		126.3	145.3	138.2	161.9		7.69	9.21
48		137.5	158.2	150.5	176.3		8.37	10.03

□ Available upon request
(Operation in poor condition is not recommendable.)

•8×37 Class Rope

Nominal Dia.		Minimum Breaking Load (Metric Ton)					Approx Weight	
		180 kg/㎟		200 kg/㎟		220 kg/㎟		
mm	inch	1770 N/㎟		1960 N/㎟		2160 N/㎟	kg/m	
		FC	IWRC	FC	IWRC	IWRC	FC	IWRC
14		11.8	13.6	12.9	15.2	16.4	0.73	0.86
14.3	9/16	12.3	14.2	13.5	15.8	17.1	0.76	0.90
15		13.5	15.6	14.8	17.4	18.8	0.83	0.99
16	5/8	15.4	17.8	16.8	19.8	21.4	0.95	1.13
17.5	11/16	18.4	21.2	20.2	23.7	25.6	1.13	1.35
18		19.5	22.5	21.3	25.0	27.1	1.20	1.43
19	3/4	21.7	25.0	23.8	27.9	30.2	1.34	1.59
20		24.1	27.7	26.3	30.9	33.4	1.48	1.76
22		29.1	33.6	31.9	37.4	40.4	1.79	2.13
24		34.7	39.9	37.9	44.5	48.1	2.13	2.54
25		37.6	43.3	41.1	48.3	52.2	2.31	2.75
26		40.7	46.9	44.5	52.3	56.5	2.50	2.98
28		47.2	54.4	51.6	60.6	65.5	2.90	3.45
28.6	1-1/8	49.2	56.7	53.8	63.2	68.4	3.03	3.60
30	1-3/16	54.2	62.4	59.2	69.6	75.2	3.33	3.96
32		61.6	71.0	67.4	79.2	85.6	3.79	4.51
34		69.6	80.2	76.1	89.4	96.6	4.28	5.09
35		73.8	84.9	80.6	94.7	102.4	4.53	5.39
36		78.0	89.9	85.3	100.2	108.3	4.79	5.71
38		86.9	100.1	95.0	111.6	120.7	5.34	6.36
38.1	1-1/2	87.4	100.6	95.5	112.2	121.3	5.37	6.39
40		96.3	110.9	105.3	123.7	133.7	5.92	7.04
42		106.2	122.3	116.1	136.4		6.53	7.77
44		116.6	134.2	127.4	149.6		7.16	8.52
45		121.9	140.4	133.3	156.5		7.49	8.92
46		127.4	146.7	139.3	163.6		7.83	9.32
48		138.7	159.8	151.6	178.1		8.52	10.14

• Other size is avaliable upon request.
(Maximum production size of 6 X 37 Class Rope - Dia. 120mm)