2. Crane / Fishing / Mining



POWERFLEX 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
11.2	7/16	8.7	9.8	9.1	10.6		0.51	0.57
12		10.0	11.3	10.5	12.1		0.59	0.65
12.7	1/2	11.2	12.6	11.7	13.6		0.66	0.73
13		11.7	13.2	12.3	14.3		0.69	0.76
14		13.6	15.3	14.2	16.5	17.3	0.80	0.89
14.3	9/16	14.2	16.0	14.9	17.2	18.0	0.83	0.92
15		15.6	17.6	16.4	19.0	19.8	0.92	1.02
16	5/8	17.8	20.0	18.6	21.6	22.6	1.04	1.16
17.5	11/16	21.2	23.9	22.3	25.8	27.0	1.25	1.38
18		22.5	25.3	23.6	27.3	28.6	1.32	1.46
19	3/4	25.0	28.2	26.2	30.4	31.8	1.47	1.63
20		27.7	31.3	29.1	33.7	35.3	1.63	1.81
21	13/16	30.6	34.5	32.1	37.2	38.9	1.80	1.99
22		33.6	37.8	35.2	40.8	42.7	1.98	2.19
22.2	7/8	34.3	38.6	35.9	41.7	43.5	2.02	2.23
24	15/16	39.9	45.0	41.9	48.6	50.8	2.35	2.60
25		43.3	48.8	45.4	52.7	55.1	2.55	2.83
25.4	1	44.7	50.4	46.9	54.4	56.9	2.63	2.92
26		46.9	52.8	49.1	57.0	59.6	2.76	3.06
28		54.4	61.3	57.0	66.1	69.1	3.20	3.54
28.6	1-1/8	56.7	63.9	59.5	69.0	72.1	3.34	3.70
30	1-3/16	62.4	70.3	65.4	75.9	79.3	3.67	4.07
31.5	1-1/4	68.8	77.5	72.1	83.7	87.5	4.05	4.49
32		71.0	80.0	74.4	86.4	90.3	4.18	4.63
34		80.2	90.3	84.0	97.5	101.9	4.72	5.23
35	1-3/8	85.0	95.7	89.0	103.3	108.0	5.00	5.54
36		89.9	101.3	94.2	109.3	114.2	5.29	5.86
38		100.1	112.8	105.0	121.8	127.3	5.89	6.53
38.1	1-1/2	100.7	113.4	105.5	122.4	127.9	5.92	6.56
40		111.0	125.0	116.3	134.9		6.53	7.23
42		122.3	137.8	128.2	148.8		7.20	7.97
44		134.3	151.3	140.7	163.3		7.90	8.75
44.5	1-3/4	137.0	154.4	143.6	166.6		8.06	8.93
46		146.8	165.3	153.8	178.5		8.64	9.56
48		159.8	180.0				9.40	10.41
50		173.4	195.3				10.20	11.30
50.8	2	179.0	201.3				10.53	11.66
52		187.5	211.3				11.04	12.22

•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
11.2	7/16	8.9	9.9	9.3	10.7		0.53	0.58
12		10.2	11.4	10.7	12.3		0.60	0.66
12.7	1/2	11.4	12.7	12.0	13.8		0.68	0.74
13		12.0	13.4	12.5	14.4		0.71	0.77
14		13.9	15.5	14.6	16.7	17.5	0.82	0.90
14.3	9/16	14.5	16.2	15.2	17.4	18.2	0.86	0.94
15		16.0	17.8	16.7	19.2	20.1	0.94	1.03
16	5/8	18.2	20.2	19.0	21.8	22.8	1.07	1.17
17.5	11/16	21.7	24.2	22.7	26.1	27.3	1.28	1.40
18		23.0	25.6	24.1	27.6	28.9	1.36	1.49
19	3/4	25.6	28.5	26.8	30.8	32.2	1.51	1.65
20		28.4	31.6	29.7	34.1	35.7	1.67	1.83
21	13/16	31.3	34.8	32.7	37.6	39.3	1.85	2.02
22		34.3	38.2	35.9	41.3	43.1	2.03	2.22
22.2	7/8	35.0	39.0	36.7	42.1	44.0	2.07	2.26
24	15/16	40.9	45.5	42.8	49.1	51.3	2.41	2.64
25		44.3	49.4	46.4	53.3	55.7	2.62	2.86
25.4	1	45.8	51.0	47.9	55.0	57.5	2.70	2.96
26		48.0	53.4	50.2	57.7	60.3	2.83	3.10
28		55.6	61.9	58.2	66.9	69.9	3.28	3.59
28.6	1-1/8	58.0	64.6	60.7	69.8	72.9	3.42	3.75
30	1-3/16	63.9	71.1	66.8	76.8	80.2	3.77	4.13
31.5	1-1/4	70.4	78.4	73.7	84.6	88.4	4.15	4.55
32		72.7	80.9	76.0	87.3	91.3	4.29	4.69
34		82.0	91.3	85.8	98.6	103.0	4.84	5.30
35	1-3/8	86.9	96.8	90.9	104.5	109.2	5.13	5.62
36		92.0	102.4	96.2	110.5	115.5	5.42	5.94
38		102.5	114.1	107.2	123.2	128.7	6.04	6.62
38.1	1-1/2	103.0	114.7	107.8	123.8	129.4	6.08	6.65
40		113.5	126.4	118.8	136.5		6.70	7.33
42		125.2	139.4	131.0	150.5		7.38	8.09
44		137.4	152.9	143.7	165.1		8.10	8.87
44.5	1-3/4	140.2	156.1	146.7	168.5		8.27	9.06
46		150.1	167.2	157.1	180.5		8.86	9.70
48		163.5	182.0				9.64	10.56
50		177.4	197.5				10.46	11.46
50.8	2	183.1	203.9				10.80	11.83
52		191.8	213.6				11.32	12.39

POWERFLEX 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		31.6	34.1	35.7	1.78
21	13/16	34.8	37.6	39.3	1.96
22		38.2	41.3	43.1	2.15
22.2	7/8	39.0	42.1	44.0	2.19
24	15/16	45.5	49.1	51.3	2.56
25		49.4	53.3	55.7	2.78
25.4	1	51.0	55.0	57.5	2.87
26		53.4	57.7	60.3	3.01
28		61.9	66.9	69.9	3.49
28.6	1-1/8	64.6	69.8	72.9	3.64
30	1-3/16	71.1	76.8	80.2	4.00
31.8	1-1/4	78.4	84.6	88.4	4.50
32		80.9	87.3	91.3	4.55
34		91.3	98.6	103.0	5.14
35	1-3/8	96.8	104.5	109.2	5.45
36		102.4	110.5	115.5	5.76
38		114.1	123.2	128.7	6.42
38.1	1-1/2	114.7	123.8	129.4	6.45
40		126.4	136.5		7.11
42		139.4	150.5		7.84
44		152.9	165.1		8.61
44.5	1-3/4	156.1	168.5		8.80
46		167.2	180.5		9.41
48		182.0			10.24

POWERFLEX 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		13.7	15.8	14.3	17.4	18.6	0.79	0.87
14.3	9/16	14.2	16.5	14.9	18.2	19.4	0.82	0.91
15		15.7	18.1	16.4	20.0	21.3	0.91	1.00
16	5/8	17.8	20.6	18.7	22.7	24.2	1.03	1.14
17.5	11/16	21.3	24.7	22.3	27.2	29.0	1.23	1.36
18		22.6	26.1	23.6	28.8	30.7	1.31	1.44
19	3/4	25.1	29.1	26.3	32.0	34.2	1.46	1.61
20		27.9	32.2	29.1	35.5	37.9	1.61	1.78
22		33.7	39.0	35.3	43.0	45.8	1.95	2.16
24		40.1	46.4	42.0	51.1	54.5	2.32	2.57
25		43.5	50.4	45.5	55.5	59.2	2.52	2.78
26		47.1	54.5	49.3	60.0	64.0	2.72	3.01
28		54.6	63.2	57.1	69.6	74.2	3.16	3.49
28.6	1-1/8	57.0	65.9	59.6	72.6	77.5	3.30	3.64
30	1-3/16	62.7	72.6	65.6	79.9	85.2	3.63	4.01
32		71.3	82.5	74.6	90.9	97.0	4.13	4.56
34		80.5	93.2	84.2	102.6	109.5	4.66	5.15
35		85.3	98.8	89.3	108.8	116.0	4.94	5.46
36		90.3	104.5	94.4	115.1	122.7	5.22	5.77
38		100.6	116.4	105.2	128.2	136.7	5.82	6.43
38.1	1-1/2	101.1	117.0	105.8	128.9	137.5	5.85	6.47
40		111.4	129.0	116.6	142.0	151.5	6.45	7.13
42		122.9	142.2		156.6		7.11	7.86
44		134.8	156.1		171.9		7.80	8.63
45		141.0	163.2		179.8		8.16	9.02
46		147.4	170.6		187.8		8.53	9.52
48		160.5	185.7		204.5		9.29	10.37

☐ 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		13.8	16.0	14.4	17.6	18.7	0.81	0.88
14.3	9/16	14.4	16.7	15.0	18.3	19.6	0.84	0.92
15		15.8	18.3	16.5	20.2	21.5	0.92	1.01
16	5/8	18.0	20.8	18.7	23.0	24.5	1.05	1.15
17.5	11/16	21.6	24.9	22.4	27.5	29.3	1.26	1.38
18		22.8	26.4	23.7	29.1	31.0	1.33	1.46
19	3/4	25.4	29.4	26.4	32.4	34.5	1.48	1.62
20		28.2	32.6	29.3	35.9	38.2	1.64	1.80
22		34.1	39.4	35.4	43.4	46.3	1.99	2.18
24		40.6	46.9	42.2	51.6	55.1	2.37	2.59
25		44.0	50.9	45.8	56.0	59.8	2.57	2.81
26		47.6	55.0	49.5	60.6	64.6	2.78	3.04
28		55.2	63.8	57.4	70.3	75.0	3.22	3.53
28.6	1-1/8	57.6	66.6	59.9	73.3	78.2	3.36	3.68
30	1-3/16	63.4	73.3	65.9	80.7	86.1	3.70	4.05
32		72.1	83.4	75.0	91.8	97.9	4.21	4.61
34		81.4	94.1	84.6	103.7	110.5	4.75	5.20
35		86.3	99.8	89.7	109.8	117.1	5.03	5.51
36		91.2	105.5	94.9	116.2	123.9	5.32	5.83
38		101.7	117.6	105.7	129.5	138.1	5.93	6.50
38.1	1-1/2	102.2	118.2	106.3	130.2	138.8	5.96	6.53
40		112.7	130.3	117.1	143.5	153.0	6.57	7.20
42		124.2	143.6		158.2		7.25	7.94
44		136.3	157.6		173.6		7.95	8.71
45		142.6	164.9		181.6		8.32	9.11
46		149.0	172.3		189.7		8.69	9.62
48		162.2	187.6		206.6		9.46	10.47