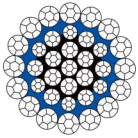


POWERTEC Rope

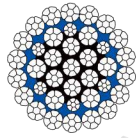
4

Powertec for cranes has been developed by compacting outer strand of Flextec. With plastic injection between outer strands and inner strands, cross section area of each wire became smaller than normal wire rope. This enables Powertec to have superior strength against abrasion and fatigue because smaller space within wire rope prevents dirt and humidity from ordinary circumstance. Thus lifespan is about 2times longer than general type of wire rope and also it has superior flexibility which makes it work perfectly and safely on every type of crane.

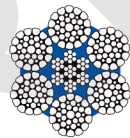
1. Tower Crane



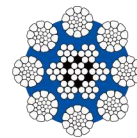
POWERTEC 35, 35L



POWERTEC 37, 37L



POWERTEC 6



POWERTEC 8

2. Special Crane

© Properties



COMPACTED



NON-ROTATING



PLASTIC



1. Tower Crane

POWERTEC 35, 35L

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
		200 Kg/mm ²	220 Kg/mm ²	
mm	inch	1960 N/mm ²	2160 N/mm ²	Kg/m
14		18.6	19.9	1.02
14.3	9/16	19.4	20.8	1.06
15		21.3	22.8	1.17
16	5/8	24.3	26.0	1.33
17.5	11/16	29.0	31.1	1.59
18		30.7	32.9	1.68
19	3/4	34.2	36.6	1.87
20		37.9	40.6	2.07
21	13/16	41.8	44.8	2.28
22		45.9	49.1	2.51
22.2	7/8	46.8	50.1	2.56
24	15/16	54.6	58.5	2.98
25		59.2	63.4	3.24
25.4	1	61.1	65.5	3.34
26		64.1	68.6	3.50
28		74.3	79.6	4.06
28.6	1-1/8	77.5	83.0	4.24
30	1-3/16	85.3	91.4	4.66
31.8	1-1/4	95.8	102.6	5.24
32		97.0	103.9	5.30
34		109.6	117.3	5.99
35	1-3/8	116.1	124.3	6.34
36		122.8	131.5	6.71
38		136.8	146.6	7.48

POWERTEC 37, 37L

Nominal Dia.		Minimum Breaking Load (Metric Ton)		Approx Weight
		200 Kg/mm ²	220 Kg/mm ²	
mm	inch	1960 N/mm ²	2160 N/mm ²	Kg/m
14		18.5	19.8	1.02
14.3	9/16	19.3	20.7	1.06
15		21.2	22.7	1.17
16	5/8	24.2	25.9	1.33
17.5	11/16	28.9	30.9	1.59
18		30.6	32.7	1.69
19	3/4	34.1	36.5	1.88
20		37.8	40.4	2.08
21	13/16	41.6	44.5	2.30
22		45.7	48.9	2.52
22.2	7/8	46.6	49.9	2.57
24	15/16	54.4	58.2	3.00
25		59.0	63.1	3.25
25.4	1	60.9	65.2	3.36
26		63.8	68.3	3.52
28		74.0	79.2	4.08
28.6	1-1/8	77.2	82.6	4.26
30	1-3/16	84.9	90.9	4.68
31.8	1-1/4	95.4	102.1	5.26
32		96.7	103.4	5.33
34		109.1	116.7	6.02
35	1-3/8	115.6	123.7	6.38
36		122.3	130.9	6.74
38		136.3	145.8	7.51

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

2. Special Crane

POWERTEC 6

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 Kg/mm ²	200 Kg/mm ²	220 Kg/mm ²	
mm	inch	1770 N/mm ²	1960 N/mm ²	2160 N/mm ²	Kg/m
22		38.8	42.0	43.9	2.30
22.2	7/8	39.6	42.9	44.8	2.35
24	15/16	46.2	50.0	52.3	2.74
25		50.1	54.3	56.7	2.97
25.4	1	51.7	56.0	58.6	3.07
26		54.2	58.7	61.4	3.21
28		62.8	68.1	71.2	3.73
28.6	1-1/8	65.6	71.1	81.7	3.89
30	1-3/16	72.1	78.2	91.8	4.28
31.8	1-1/4	81.0	87.8	93.0	4.81
32		82.1	89.0	104.9	4.87
34		92.6	100.4	111.2	5.50
35	1-3/8	98.2	106.4	117.7	5.82
36		103.9	112.6	131.1	6.16
38		115.7	125.4	131.8	6.87
38.1	1-1/2	116.3	126.1		6.90
40		128.2	139.0		7.61
42		141.4	153.2		8.39
44		155.1	168.2		9.21
44.5	1-3/4	158.3	171.6		9.39
46		169.6	183.8		10.06
48		184.6			10.96
50		200.3			11.89
50.8	2	206.8			12.27
52		216.7			12.86

POWERTEC 8

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 Kg/mm ²	200 Kg/mm ²	220 Kg/mm ²	
mm	inch	1770 N/mm ²	1960 N/mm ²	2160 N/mm ²	Kg/m
22		39.4	43.5	46.4	2.21
24		46.9	51.8	55.2	2.63
25		50.9	56.2	59.9	2.85
26		55.0	60.7	64.8	3.09
28	1-1/8	63.8	70.4	75.2	3.58
28.6	1-3/16	66.6	73.5	78.5	3.74
30		73.2	80.9	86.3	4.11
32		83.3	92.0	98.2	4.68
34		94.1	103.9	110.9	5.28
35		99.7	110.1	117.5	5.59
36		105.5	116.4	124.3	5.92
38		117.5	129.7	138.5	6.59
38.1	1-1/2	118.1	130.4	139.2	6.63
40		130.2	143.8	153.5	7.31
42		143.6	158.5		8.06
44		157.5	173.9		8.84
45		164.8	181.9		9.25
46		172.2	190.1		9.76
48		187.5	207.0		10.63

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

