

# PowerTec

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 2 times 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.

## POWERTEC 35, 35L



- Very strong rotation - resistance
- High structural stability
- Very high breaking load
- High flexibility
- Prevents abrasion & break among internal wires
- Excellent resistance to deformation
- Extremely reduces internal stress
- Extended life of winch drum and sheave
- Suitable rope for high lifting Tower crane
- Excellent Life Time

Nominal Data		Minimum Breaking Load(Metric Ton)		Approx Weight Kg/m
mm	Inch	200Kg/mm <sup>2</sup> (1960N/mm <sup>2</sup> )	220Kg/mm <sup>2</sup> (2160N/mm <sup>2</sup> )	
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

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mm	Inch	200Kg/mm <sup>2</sup> (1960N/mm <sup>2</sup> )	220Kg/mm <sup>2</sup> (2160N/mm <sup>2</sup> )	
25		59.2	63.4	3.24
25.4	1"	61.1	65.5	3.34
26	1-1/16"	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

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

## POWERTEC 37, 37L



- Very strong rotation - resistance
- High structural stability
- Very high breaking load
- Very high flexibility
- Prevents abrasion & break among internal wires
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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

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mm	Inch	200Kg/mm <sup>2</sup> (1960N/mm <sup>2</sup> )	220Kg/mm <sup>2</sup> (2160N/mm <sup>2</sup> )	
25		59.0	63.1	3.25
25.4	1"	60.9	65.2	3.36
26	1-1/16"	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

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