

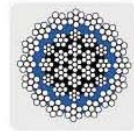
Flextec Rope

Improved Fatigue and Abrasion Resistance

Because of plastic filled between the steel core and the outer strands, Flextec rope has excellent abrasion resistance and fatigue resistance by keeping out water and abrasive elements that could penetrate conventional ropes.

Improved Service Life

For crane usage, because of the plastic filled in the Flextec, it can absorb shock and reduce the peak loading of wire rope under high dynamic loadings. 2 times service life can be achieved compared to conventional ropes.



Tower Crane

Nominal Data		Minimum Breaking Load(Metric Ton)			Approx Weight Kg/m
mm	Inch	180Kg/mm ² (1770N/mm ²)	200Kg/mm ² (1960N/mm ²)	220Kg/mm ² (2160N/mm ²)	
14		13.9	16.5	18.2	0.89
14.3	9/16"	14.5	17.3	18.7	0.93
15		16.0	19.0	20.6	1.02
16	5/8"	18.2	21.6	23.3	1.16
17.5	11/16"	21.7	25.9	28.0	1.39
18		23.0	27.3	29.9	1.47
19	3/4"	25.6	30.5	33.1	1.64
20		28.4	33.8	36.6	1.82
21	13/16"	31.3	37.2	40.4	2.01
22		34.3	40.9	44.3	2.20
22.2	7/8"	35.0	41.7	45.2	2.25
24	15/16"	40.9	48.6	52.7	2.62



Harbor Crane

- High fatigue resistance
- High structural stability
- Excellent resistance to deformation
- Excellent life time
- Very high breaking load
- Prevents abrasion & break among internal wires
- Extremely reduces internal stress

Nominal Data		Minimum Breaking Load(Metric Ton)			Approx Weight Kg/m
mm	Inch	180Kg/mm ² (1770N/mm ²)	200Kg/mm ² (1960N/mm ²)	220Kg/mm ² (2160N/mm ²)	
18		22.7	24.7	26.8	1.46
19	3/4"	25.3	27.5	29.8	1.62
20		28.1	30.5	33.0	1.80
21	13/16"	30.9	33.6	36.4	1.98
22		34.0	36.9	40.0	2.18
22.2	7/8"	34.7	37.6	40.8	2.22
24	15/16"	40.4	43.9	47.6	2.59
25		43.9	47.6	51.6	2.81
25.4	1"	45.3	49.1	53.3	2.90
26	1-1/16"	47.4	51.5	55.8	3.04
28		55.0	59.7	64.7	3.53
28.6	1-1/8"	57.4	62.3	67.5	3.68
30	1-3/16"	63.2	68.6	74.3	4.05
31.8	1-1/4"	71.0	77.0	83.5	4.55
32		71.9	78.0	84.6	4.61
34		81.1	88.1	95.5	5.20
35	1-3/8"	86.0	93.3	101.2	5.51
36		91.0	98.7	107.0	5.83
38		101.3	110.0	119.2	6.50
38.1	1-1/2"	101.9	110.6	119.9	6.53
40		112.3	121.9	132.1	7.20

Flextec 35, 35L

- Very strong rotation - resistance
- Excellent resistance to deformation
- High structural stability
- Extremely reduces internal stress
- High breaking load
- Suitable rope for high lifting Tower crane
- Prevents abrasion & break among internal wires
- Excellent life time

Nominal Data		Minimum Breaking Load(Metric Ton)			Approx Weight Kg/m
(mm)	(Inch)	180Kg/mm ² (1770N/mm ²)	200Kg/mm ² (1960N/mm ²)	220Kg/mm ² (2160N/mm ²)	
25		44.3	52.8	57.2	2.84
25.4	1"	45.8	54.5	59.0	2.94
26	1-1/16"	48.0	57.1	61.9	3.08
28		55.6	66.2	71.5	3.57
28.6	1-1/8"	58.0	69.0	74.6	3.72
30	1-3/16"	63.9	76.0	82.0	4.09
31.8	1-1/4"	71.7	85.4	92.2	4.60
32		72.6	86.4	93.4	4.66
34		82.0	97.6	105.4	5.26
35	1-3/8"	86.9	103.4	111.7	5.57
36		91.9	109.4	118.1	5.90
38		102.4	121.9	131.6	6.57

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

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Nominal Data		Minimum Breaking Load(Metric Ton)			Approx Weight Kg/m
mm	Inch	180Kg/mm ² (1770N/mm ²)	200Kg/mm ² (1960N/mm ²)	220Kg/mm ² (2160N/mm ²)	
42		123.8	134.4	-	7.94
44		135.9	147.5	-	8.71
44.5	1-3/4"	138.7	150.5	-	8.89
46		148.5	161.2	-	9.52
48		161.7	175.5	-	10.36
50		175.4	190.5	-	11.25
50.8	2"	181.1	196.6	-	11.61
52		189.8	206.0	-	12.16
54		204.6	222.1	-	13.12
56		220.1	238.9	-	14.11
57.2	2-1/4"	229.6	249.3	-	14.72
58		236.1	256.3	-	15.13
60		252.6	274.3	-	16.20
63.5	2-1/2"	283.0	307.2	-	18.14
66		305.7	-	-	19.60
68		324.5	-	-	20.80
70	2-3/4"	343.9	-	-	22.04
72		363.8	-	-	23.32
74		384.3	-	-	24.63
76.2	3"	407.5	-	-	26.12