

Flextec Rope

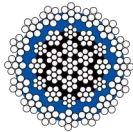
Improved Fatigue and Abrasion Resistance

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.

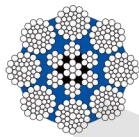
Improved Service Life

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.

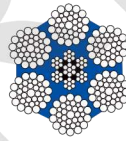
1. Tower Crane



Flextec 35, 35L



Flextec 8



Flextec 6

2. Special Crane

© Properties



1. Tower Crane

Flextec 35, 35L

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
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
25		44.3	52.8	57.2	2.84
25.4	1	45.8	54.5	59.0	2.94
26		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

Flextec 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		33.6	37.4	40.5	2.15
24		40.0	44.5	48.1	2.56
25		43.4	48.3	52.2	2.77
26		46.9	52.3	56.5	3.00
28		54.4	60.6	65.5	3.48
28.6	1-1/8	56.7	63.2	68.4	3.63
30	1-3/16	62.4	69.6	75.2	4.00
32		71.0	79.2	85.6	4.55
34		80.2	89.4	96.6	5.13
35		85.0	94.7	102.4	5.44
36		89.9	100.2	108.3	5.75
38		100.2	111.6	120.7	6.41
38.1	1-1/2	100.7	112.2	121.3	6.44
40		111.0	123.7	133.7	7.10
42		122.4	136.4		7.83
44		134.3	149.6		8.59
45		140.5	156.5		8.99
46		146.8	163.6		9.39
48		159.8	178.1		10.23

2. Special Crane

Flextec 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		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		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
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

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