

# Flexfil Rope

**Improved Durability and Service Life** Flexfil rope has about 30% better durability and service life than conventional wire ropes by filling specialized fiber containing grease inside.

**Increased Grease Capacity** Compared to conventional ropes which contain 2-3% grease, Flexfil rope is capable of containing about 20% more grease(2.4-3.6%) by filling specialized fiber inside and this grease flows through the strands during service to make Flexfil rope lubricated. For this reason, Flexfil rope can perform 30% better in durability and 30-50% better in service life than general full steel ropes.

## Flexfil 6

- 30% Better fatigue resistance
- Very high breaking load
- Strong against corrosion
- High resistance to deformation
- Fully lubricated & decrease of wire rope inside damage
- Excellent life time



Nominal Data		Minimum Breaking Load(Metric Ton)			Approx Weight Kg/m
mm	Inch	180Kg/mm <sup>2</sup> (1770N/mm <sup>2</sup> )	200Kg/mm <sup>2</sup> (1960N/mm <sup>2</sup> )	220Kg/mm <sup>2</sup> (2160N/mm <sup>2</sup> )	
22		34.0	36.9	40.0	2.17
22.2	7/8"	34.7	37.6	40.8	2.21
24	15/16"	40.4	43.9	47.6	2.58
25		43.9	47.6	51.6	2.80
25.4	1"	45.3	49.1	53.3	2.89
26	1-1/16"	47.4	51.5	55.8	3.03
28		55.0	59.7	64.7	3.51
28.6	1-1/8"	57.4	62.3	67.5	3.66
30	1-3/16"	63.2	68.5	74.3	4.03
31.8	1-1/4"	71.0	77.0	83.5	4.53
32		71.9	78.0	84.6	4.58
34		81.1	88.0	95.5	5.18
35	1-3/8"	86.0	93.3	101.2	5.48
36		91.0	98.7	107.0	5.80
38		101.3	110.0	119.2	6.46
38.1	1-1/2"	101.9	110.6	119.9	6.50
40		112.3	121.9	132.1	7.16
42		123.8	134.3	-	7.90
44		135.9	147.4	-	8.67

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44.5	1-3/4"	138.7	150.5	-	8.85
46		148.5	161.2	-	9.47
48		161.7	175.5	-	10.32
50		175.4	190.4	-	11.19
50.8	2"	181.1	196.5	-	11.55
52		189.8	205.9	-	12.11
54		204.6	222.1	-	13.06
56		220.1	238.8	-	14.04
57.2	2-1/4"	229.6	249.2	-	14.65
58		236.1	256.2	-	15.06
60		252.6	274.2	-	16.12
63.5	2-1/2"	283.0	307.1	-	18.05
66		305.7	-	-	19.50
68		324.5	-	-	20.70
70	2-3/4"	343.9	-	-	21.94
72		363.8	-	-	23.21
74		384.3	-	-	24.52
76.2	3"	407.5	-	-	26.00

