

Sheet1

6x19 (12/6/1) Construction

Tensile Grde Nominal Dia	Approximate Mass per 100 Meter		Minimum Breaking Force correspondng to Rope Grade			
	Fibre Core Kg	Steel Core Kg	1570		1770	
			Fibre Core KN	Steel Core KN	Fibre Core KN	Steel Core KN
3	3.1	3.4	4.4	4.9	5.0	5.3
4	5.5	6.1	7.8	8.6	9.0	9.4
5	8.7	9.5	12.3	13.5	14.0	14.8
6	12.5	13.7	17.6	19.4	20.2	21.2
7	17.0	18.6	24.0	26.5	27.4	28.9
8	22.1	24.3	31.4	34.6	35.8	37.8
9	28.0	30.8	39.7	43.7	45.4	47.8
10	34.6	38.0	49.0	54.0	56.0	59.0
11	41.9	46.0	59.3	65.3	67.8	71.4
12	49.8	54.7	70.6	77.8	80.6	85.0
13	58.5	64.2	82.8	91.3	94.6	99.7
14	67.8	74.5	96.0	105.8	109.8	115.6
15	77.9	85.5	110.3	121.5	126.0	132.8
16	88.6	97.3	125.4	138.2	143.4	151.0
17	100.0	109.8	141.6	156.1	161.8	170.5
18	112.1	123.1	158.8	175.0	181.4	191.2
19	124.9	137.2	176.9	194.9	202.2	213.0
20	138.4	152.0	196.0	216.0	224.0	236.0
21	152.6	167.6	216.1	238.1	247.0	260.2
22	167.5	183.9	237.2	261.4	271.0	285.6
23	183.0	201.0	259.2	285.7	296.2	312.1
24	199.3	218.9	282.2	311.0	322.6	339.8
25	216.3	237.5	306.3	337.5	350.0	368.8
26	233.9	256.9	331.2	365.0	378.6	398.8
27	252.2	277.0	357.2	393.7	408.2	430.1
28	271.3	297.9	384.2	423.4	439.0	462.6
29	291.0	319.6	412.1	454.1	471.0	496.2
30	311.4	342.0	441.0	486.0	504.0	531.0
31	332.5	365.2	470.9	518.9	538.2	567.0
32	354.3	389.1	501.8	553.0	573.4	604.2
33	376.8	413.8	533.6	588.1	609.8	642.5
34	400.0	439.3	566.4	624.2	647.4	682.0
35	423.9	465.5	600.3	661.5	686.0	722.8
36	448.4	492.5	635.0	699.8	725.8	764.6
37	473.7	520.2	670.8	739.3	766.6	807.7
38	499.6	548.7	707.6	779.8	808.6	852.0
39	526.3	578.0	745.3	821.3	851.8	897.4
40	553.6	608.0	784.0	864.0	896.0	944.0

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Fibre Core KN	Steel Core KN
5.6	5.9
9.9	10.6
15.5	16.5
22.3	23.8
30.4	32.3
39.7	42.2
50.2	53.5
62.0	66.0
75.0	79.9
89.3	95.0
104.8	111.5
121.5	129.4
139.5	148.5
158.7	169.0
179.2	190.7
200.9	213.8
223.8	238.3
248.0	264.0
273.4	291.1
300.1	319.4
328.0	349.1
357.1	380.2
387.5	412.5
419.1	446.2
452.0	481.1
486.1	517.4
521.4	555.1
558.0	594.0
595.8	634.3
634.9	675.8
675.2	718.7
716.7	763.0
759.5	808.5
803.5	855.4
848.8	903.5
895.3	953.0
943.0	1003.9
992.0	1056.0

Sheet1

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Tensile Grade	Approximate Mass		Minimum Breaking Force corresponding to Rope Grade				
	per 100 Meter		1570		1770		
	Nominal Dia	Fibre Core	Fibre Core	Steel Core	Fibre Core	Steel Core	
	Kg	Steel Core	KN	KN	KN	KN	
		Kg					
2		1.4	1.6	2.2	2.3	2.4	2.6
3		3.2	3.5	4.9	5.2	5.5	5.9
4		5.7	6.3	8.6	9.3	9.8	10.6
5		8.9	9.8	13.5	14.5	15.3	16.5
6		12.9	14.1	19.4	20.9	22.0	23.8
7		17.5	19.3	26.5	28.4	29.9	32.3
8		22.8	25.2	34.6	37.1	39.0	42.2
9		28.9	31.8	43.7	47.0	49.4	53.5
10		35.7	39.3	54.0	58.0	61.0	66.0
11		43.2	47.6	65.3	70.2	73.8	79.9
12		51.4	56.6	77.8	83.5	87.8	95.0

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1960

Fibre Core KN	Steel Core KN
2.7	2.9
6.0	6.5
10.7	11.5
16.8	18.0
24.1	25.9
32.8	35.3
42.9	46.1
54.3	58.3
67.0	72.0
81.1	87.1
96.5	103.7