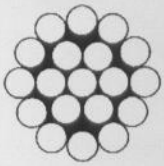
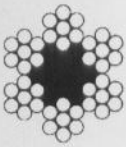
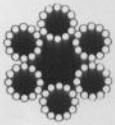
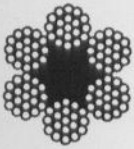
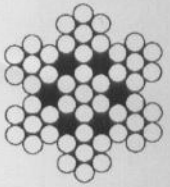
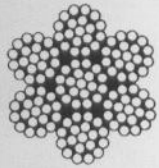
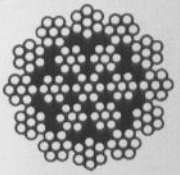
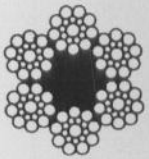
GALVANISED STEEL WIRE ROPES

These ropes are in accordance with BS302 1987	Size nominal diameter mm	Approx Weight Kg/100m	1770 tensile grade	
			Minimum Breaking Load KG	Minimum Breaking Force KN
1 x 19 (12/6/1) 	1	0.50	95	1.06
	1.25	0.75	145	1.65
	1.5	1.08	215	2.38
	2	1.99	380	4.23
	2.5	3.07	590	6.60
	3	4.48	855	9.51
	4	7.97	1520	16.90
	5	12.37	2365	26.41
6 x 7 (6/1) FIBRE CORE 	2	1.38	240	2.35
	2.5	2.13	375	3.68
	3	3.11	540	5.29
	4	5.54	960	9.40
	5	8.65	1500	14.70
	6	12.50	2160	21.20
	8	22.10	3830	37.60
6 x 12 (12 + 7 FC) FIBRE CORE 	3	2.26	340	3.33
	4	4.02	600	5.92
	5	6.26	940	9.25
	6	9.04	1360	13.30
	8	16.10	2415	23.68
	9	20.30	3055	29.96
	10	25.10	3770	36.99
6 x 19 (12/6/1) FIBRE CORE 	3	3.11	500	4.89
	4	5.54	890	8.69
	5	8.65	1390	13.60
	6	12.50	2000	19.60
	7	17.70	2920	28.60
	8	23.10	3810	37.40
	9	29.20	4820	47.30
	10	36.10	5950	58.40
	11	43.70	7210	70.70
	12	52.00	8570	84.10
	13	61.00	10100	98.70
	14	70.80	11600	114.00
	16	92.40	15300	150.00

GALVANISED STEEL WIRE ROPES

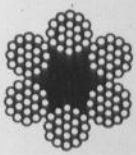
These ropes are in accordance with BS302 1987	Size nominal diameter mm	Approx Weight Kg/100m	1770 tensile grade	
			Minimum Breaking Load KG	Minimum Breaking Force KN
7 x 7 (6/1) 	1.2	0.55	95	0.92
	1.5	0.86	145	1.43
	1.8	1.24	210	2.06
	2	1.52	260	2.54
	2.5	2.38	405	3.97
	3	3.43	580	5.72
	4	6.10	1040	10.20
	4.5	7.72	1310	12.87
	5	9.53	1620	15.90
	6	13.70	2330	22.90
	8	24.40	4150	40.70
	10	38.10	6480	63.54
7 x 19 (12/6/1) 	3	3.43	540	5.29
	4	6.10	960	9.40
	5	9.53	1500	14.70
	6	13.70	2160	21.20
	7	19.50	3150	30.90
	8	25.50	4110	40.30
	9	32.20	5200	51.00
	10	39.80	6420	63.00
	11	48.20	7770	76.20
	12	57.30	9250	90.70
	13	67.30	10800	106.00
	14	78.00	12600	124.00
	16	102.00	16400	161.00
19 x 7 (6/1)  1960 TENSILE GRADE	4	5.57	1045	10.29
	5	10.03	1635	16.08
	6	14.48	2355	23.15
	7	19.68	3210	31.51
	8	25.72	4195	41.16
	9	32.59	5310	52.09
	10	40.20	6555	64.31
	11	48.65	7930	77.81
	12	57.85	9440	92.60
	13	67.97	11075	108.68
	14	78.83	12845	126.04
	16	102.88	16780	164.63

GENERAL ENGINEERING/EXCAVATOR ROPES



6 x 19S (9/9/1)
FIBRE CORE

Nominal Diameter mm	Approx Weight kg/100m	Minimum Breaking Load/Force at 1770N/mm^2 tonnes	kN
8	23.1	3.81	37.4
9	29.2	4.82	47.3
10	36.1	5.95	58.4
11	43.7	7.21	70.7
12	52.0	8.57	84.1
13	61.0	10.10	98.7
14	70.8	11.60	114
16	92.4	15.30	150
18	117	19.30	189
19	130	21.50	211
20	144	23.90	234
22	175	28.80	283
24	208	34.30	336
26	244	40.30	395
28	283	46.70	458
32	370	61.00	598
35	442	73.00	716
36	468	77.20	757
38	521	85.90	843

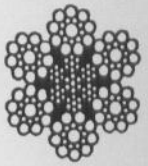


6 x 19 (12/6+6F/1)
FIBRE CORE.

Nominal Diameter mm	Approx Weight kg/100m	Minimum Breaking Load/Force at 1770N/mm^2 tonnes	kN
8	23.1	3.81	37.4
9	29.2	4.82	47.3
10	36.1	5.95	58.4
11	43.7	7.21	70.7
12	52.0	8.57	84.1
13	61.0	10.10	98.7
14	70.8	11.60	114
16	92.4	15.30	150
18	117	19.30	189
19	130	21.50	211
20	144	23.90	234
22	175	28.80	283
24	208	34.30	336
26	244	40.30	395
28	283	46.70	458
32	370	61.00	598
35	442	73.00	716
36	468	77.20	757
38	521	85.90	843

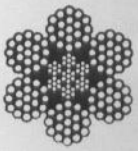
These ropes are in accordance with BS302 : 1987

GENERAL ENGINEERING/EXCAVATOR ROPES



6 x 19S (9/9/1)
STEEL CORE

Nominal Diameter mm	Approx Weight kg/100m	Minimum Breaking Load/Force at 1770N/mm² tonnes	kN
8	25.5	4.11	40.3
9	32.2	5.20	51.0
10	39.8	6.42	63.0
11	48.2	7.77	76.2
12	57.3	9.25	90.7
13	67.3	10.80	106
14	78.0	12.60	124
16	102	16.40	161
18	129	20.80	204
19	144	23.10	227
20	159	25.70	252
22	193	31.10	305
24	229	37.00	363
26	269	43.40	426
28	312	50.40	494
32	408	65.70	645
35	488	78.70	772
36	516	83.30	817
38	575	92.80	910

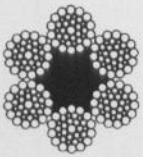


6 x 19 (12/6+6F/1)
STEEL CORE

Nominal Diameter mm	Approx Weight kg/100m	Minimum Breaking Load/Force at 1770N/mm² tonnes	kN
8	25.5	4.11	40.3
9	32.2	5.20	51.0
10	39.8	6.42	63.0
11	48.2	7.77	76.2
12	57.3	9.25	90.7
13	67.3	10.80	106
14	78.0	12.60	124
16	102	16.40	161
18	129	20.80	204
19	144	23.10	227
20	159	25.70	252
22	193	31.10	305
24	229	37.00	363
26	269	43.40	426
28	312	50.40	494
32	408	65.70	645
35	488	78.70	772
36	516	83.30	817
38	575	92.80	910

These ropes are in accordance with BS302 : 1987

GENERAL ENGINEERING/EXCAVATOR ROPES

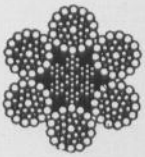


6 x 36 (14/7+7/7/1) FIBRE CORE.

Nominal Diameter mm	Approx Weight kg/100m	Minimum Breaking Load/Force at 1770N/mm^2	
		Kg	kN
8	23.10	3810	37.40
9	29.20	4820	47.30
10	36.10	5950	58.40
11	43.70	7210	70.70
12	52.00	8570	84.10
13	61.00	10100	98.70
14	70.80	11600	114.00
16	92.40	15300	150.00
18	117.00	19300	189.00
19	130.00	21500	211.00
20	144.00	23900	234.00
22	175.00	28800	283.00
24	208.00	34300	336.00
26	244.00	40300	395.00
28	283.00	46700	458.00
30	316.80	53600	525.00
32	370.00	61000	598.00
34	406.91	68800	675.00
36	468.00	77200	757.00
38	521.00	85900	843.00
40	578.00	95300	935.00
42	620.93	105000	1030.00
44	699.00	115000	1131.00
48	832.00	137000	1346.00
52	976.00	161000	1579.00
54	1053.00	174000	1703.00
56	1132.00	187000	1832.00
60	1300.00	214000	2103.00
64	1442.00	242300	2392.00

These ropes are in accordance with BS302 : 1987

GENERAL ENGINEERING/EXCAVATOR ROPES

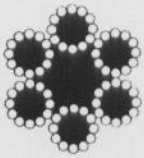


6 x 36 (14/7+7/7/1) STEEL CORE.

Nominal Diameter mm	Approx Weight kg/100m	Minimum Breaking Load/Force at 1770N/mm^2	
		Kg	kN
8	25.50	4110	40.30
9	32.20	5200	51.00
10	39.80	6420	63.00
11	48.20	7770	76.20
12	57.30	9250	90.70
13	67.30	10800	106.00
14	78.00	12600	124.00
16	102.00	16400	161.00
18	129.00	20800	204.00
19	144.00	23100	227.00
20	159.00	25700	252.00
22	193.00	31100	305.00
24	229.00	37000	363.00
26	269.00	43400	426.00
28	312.00	50400	494.00
30	358.00	57800	567.00
32	408.00	65700	645.00
34	460.09	74300	728.00
36	516.00	83300	817.00
38	575.00	92800	910.00
40	637.00	103000	1008.00
42	702.07	113300	1111.00
44	771.00	124000	1220.00
48	917.00	148000	1452.00
52	1076.00	174000	1704.00
54	1161.00	187000	1837.00
56	1248.00	201000	1976.00
60	1433.00	231000	2268.00
64	1630.00	262500	2581.00

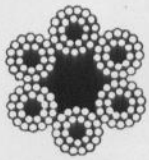
These ropes are in accordance with BS302 : 1987

MARINE ROPES



6 x 12
(12+7 FC) FIBRE CORE

Size		Approx Weight		1770 tensile grade	
Nom dia mm	Approx circ in	kg/100m	kg/220m	Min Breaking Load kg	Min Breaking Force kN
8	1	16.10	35.42	2415	23.68
9	1 1/8	20.30	44.66	3055	29.96
10	1 1/4	25.10	55.22	3770	36.99
12	1 1/2	36.10	79.42	5435	53.27
14	1 3/4	49.20	108.24	7395	72.51
16	2	64.30	141.46	8560	84.00

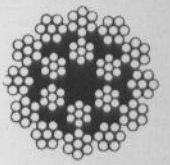


6 x 24
(15/9+7 FC) FIBRE CORE

Size		Approx Weight		1770 tensile grade	
Nom dia mm	Approx circ in	kg/100m	kg/220m	Min Breaking Load kg	Min Breaking Force kN
8	1	19.70	43.34	3235	31.74
10	1 1/4	30.80	67.76	5055	49.59
12	1 1/2	44.40	97.68	7280	71.39
14	1 3/4	60.40	132.88	9910	97.19
16	2	78.80	173.36	12940	126.94
18	2 1/4	99.80	219.56	16380	160.66
20	2 1/2	123.00	270.60	20220	198.35
22	2 3/4	149.00	327.80	24470	240.00
24	3	177.00	389.40	29120	285.62

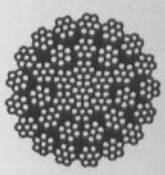
These ropes are in accordance with BS 302 : 1987

NON ROTATING WIRE ROPES



18 x 7
(6/1) FIBRE CORE

Nominal Diameter mm	Approx Weight kg/100m	Minimum Breaking Load/Force at 1960N/mm²	
		kg	kN
8	25.00	4195	41.14
9	31.60	5310	52.07
10	39.00	6555	64.29
11	47.20	7935	77.79
12	56.20	9445	92.57
13	65.90	11080	108.65
14	76.40	12850	126.00
15	87.70	14755	144.65
16	99.80	16790	164.58
18	126.00	21245	208.29
19	141.00	23675	232.08
20	156.00	26230	257.15
22	189.00	31740	311.15
24	225.00	37775	370.30
26	264.00	44330	434.59

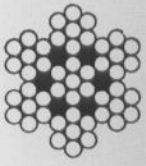


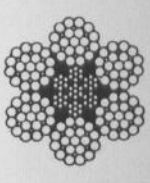
35 x 7
(6/1)

Nominal Diameter mm	Approx Weight kg/100m	Minimum Breaking Load/Force at 1960N/mm²	
		kg	kN
8	26.40	4415	43.30
9	33.00	5540	54.30
10	40.10	6720	65.90
11	50.30	8375	82.10
12	58.10	9955	97.60
13	70.10	11770	115.40
14	81.40	13660	133.90
16	105.20	17585	172.40
18	133.20	22265	218.30
19	147.40	24675	241.90
20	160.60	26795	262.70
22	194.80	32600	319.60
24	234.30	39170	384.00
26	268.10	44910	440.30
28	314.10	52530	515.00
30	365.80	61210	600.10
32	416.50	69665	683.00
34	467.50	78265	767.30
36	525.30	87850	861.30
38	582.30	97510	956.00
40	657.30	110035	1078.76

These ropes are in accordance with BS302 : 1987

STAINLESS STEEL WIRE ROPES AISI 316

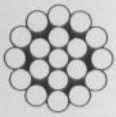
Construction	Diameter mm	Weight kg/100m	Minimum Breaking kN	Minimum Breaking Kg
7 x 7 (6/1) 	1	0.38	0.59	60
	1.2	0.55	0.83	85
	1.5	0.86	1.32	135
	2	1.51	2.37	240
	2.5	2.36	3.71	375
	3	3.40	5.34	545
	4	6.05	9.49	970
	5	9.46	14.80	1510
	6	13.60	21.40	2180
	7	18.50	29.10	2970
	8	24.20	38.00	3870
	10	37.80	59.30	6045
	12	54.50	85.40	8710
	14	74.10	117.00	11935

Construction	Diameter mm	Weight kg/100m	Minimum Breaking kN	Minimum Breaking Kg
6 x 25 (12/6+6F/1) IWRC 	10	39.80	55.93	5700
	12	57.31	80.55	8210
	14	78.01	109.63	11175
	16	101.89	143.19	14595
	18	128.95	181.23	18475
	20	159.20	223.74	22800
	22	192.63	270.72	27600
	24	229.45	322.18	32840
	26	269.05	378.12	38540
	28	312.03	438.53	44700
	30	358.20	503.41	51310
	32	407.55	572.77	58385

STAINLESS STEEL STRAND AISI 316

Construction
1 x 19
Mini Cable

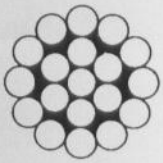
N/A



Diameter (mm)	Weight kg/100m	Min Breaking Load (kg) AISI 304	AISI 316
0.25	0.30	7.0	5.5
0.30	0.43	10.0	8.0
0.35	0.58	14.0	11.0
0.40	0.76	18.0	14.0
0.50	1.19	28.0	22.0
0.85	3.42	81.0	65.0

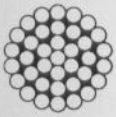
Construction

1 x 19
(12/6/1)



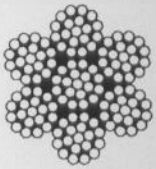
Diameter (mm)	Weight kg/100m	Min Breaking Load kN	kg
1	0.50	0.78	80
1.25	0.75	1.27	130
1.5	1.08	1.76	180
2	1.95	3.14	320
2.5	3.05	4.90	500
3	4.39	7.06	720
4	7.81	12.60	1280
5	12.20	19.60	2000
6	17.60	28.20	2880
7	23.90	34.80	3550
8	31.20	45.50	4640
9	39.50	57.60	5870
10	48.80	71.10	7250
11	59.10	86.00	8770
12	70.30	102.00	10400
14	95.70	139.00	14170
16	125.00	182.00	18560
19	176.00	212.00	21625
22	236.00	285.00	29070
26	330.00	398.00	40595

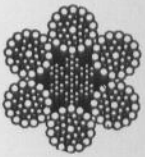
Construction
1 x 37



Diameter (mm)	Weight kg/100m	Min Breaking Load kN	kg
28	381	516	52615
30	449	577	58830
32	504	616	62800

STAINLESS STEEL WIRE ROPES AISI 316

Construction	Diameter mm	Weight kg/100m	Minimum Breaking kN	Minimum Breaking Kg
7 x 19 (12/6/1) 	2	1.52	2.20	225
	2.5	2.38	3.43	350
	3	3.34	5.00	510
	4	5.94	8.89	905
	5	9.29	13.90	1420
	6	13.40	20.00	2040
	7	18.20	27.30	2785
	8	23.80	35.60	3630
	9	30.86	45.27	4615
	10	37.20	55.60	5670
	11	46.10	67.63	6890
	12	53.50	80.00	8160
	14	72.80	109.00	11115
	16	97.64	143.08	14580

Construction	Diameter mm	Weight kg/100m	Minimum Breaking kN	Minimum Breaking kg
6 x 36 (17/7+7/7/1) IWRC 	10	39.80	55.93	5700
	12	57.31	80.55	8210
	14	78.01	109.63	11175
	16	101.89	143.19	14595
	18	128.95	181.23	18475
	20	159.20	223.74	22800
	22	192.63	270.72	27600
	24	229.45	322.18	32840
	26	269.05	378.12	38540
	28	312.03	438.53	44700
	30	358.20	503.41	51310
	32	407.55	572.77	58385

These ropes are in accordance with BS MA 29: 1983