



W.J. KEATING LIMITED

TESTING REQUIREMENTS

High Strength and Extra High Strength

Metric Units

AMERICAN BUREAU OF SHIPPING

(Tech/Pound Units)

Chain Dia. mm	Length of Five Links mm	High Strength Grade 2		Extra High Strength Grade 3		Min. Wt. per 27.5m kg
		Proof Load kg	Breaking Load kg	Proof Load kg	Breaking Load kg	
12.5	275	6700	9400	9400	12500	110
14	308	9400	11500	11500	16000	130
16	352	10900	15300	15300	20000	170
17.5	385	13000	18300	18300	26100	180
19	418	15300	21500	21500	30700	220
20.5	451	17800	24900	24900	35600	260
22	484	20400	28600	28600	40900	300
24	528	24200	33900	33900	48500	340
26	572	28300	39700	39700	56700	420
28	616	32700	45900	45900	65500	480
30	660	37500	52400	52400	74900	550
32	704	42500	59400	59400	84900	610
34	748	47700	66800	66800	95500	700
36	792	53300	74600	74600	107000	790
38	836	59200	82800	82800	118000	880
40	880	65300	91400	91400	131000	970
42	924	71700	100000	100000	143000	1070
44	968	78400	110000	110000	157000	1170
46	1012	85300	119000	119000	171000	1270
48	1056	92500	130000	130000	185000	1380
50	1100	100000	140000	140000	200000	1480
52	1144	108000	151000	151000	215000	1600
54	1188	116000	162000	162000	231000	1720
56	1232	124000	174000	174000	248000	1850
58	1276	132000	185000	185000	265000	1980
60	1320	141000	199000	199000	282000	2120
62	1364	150000	213000	213000	300000	2250
64	1408	159000	223000	223000	319000	2440
66	1452	169000	236000	236000	337000	2590
68	1496	178000	250000	250000	357000	2750
70	1540	188000	263000	263000	376000	2910
72	1584	203000	285000	285000	407000	3180
74	1628	219000	307000	307000	438000	3470
76	1672	236000	329000	329000	469000	3850
78	1716	253000	352000	352000	500000	4250
80	1760	266000	375000	375000	532000	4650
82	1804	283000	393000	393000	561000	5050
84	1848	298000	417000	417000	596000	5500
86	1892	314000	440000	440000	620000	5900
88	1936	329000	460000	460000	657000	6400
90	1980	347000	486000	486000	695000	6900
92	2024	360000	504000	504000	720000	7400
94	2068	373000	522000	522000	746000	7900
96	2112	383000	550000	550000	785000	8500
98	2156	393000	564000	564000	820000	9100
100	2200	406000	588000	588000	850000	9700
102	2244	412000	577000	577000	825000	9950
104	2288	423000	606000	606000	865000	10600
106	2332	433000	620000	620000	890000	11200
108	2376	443000	635000	635000	907000	11800
110	2420	453000	650000	650000	940000	12500
112	2464	460000	664000	664000	968000	13200
114	2508	469000	684000	684000	1019000	14000
116	2552	477000	700000	700000	1048000	14800
118	2596	485000	714000	714000	1079000	15600
120	2640	495000	734000	734000	1109000	16500
122	2684	504000	740000	740000	1120000	17000
124	2728	514000	750000	750000	1136000	17600
126	2772	524000	764000	764000	1162000	18300
128	2816	533000	779000	779000	1180000	19000
130	2860	543000	795000	795000	1200000	19800
132	2904	553000	810000	810000	1220000	20600
134	2948	560000	820000	820000	1240000	21400
136	2992	569000	835000	835000	1260000	22200
138	3036	579000	850000	850000	1280000	23000
140	3080	588000	864000	864000	1300000	23800
142	3124	598000	880000	880000	1320000	24600
144	3168	607000	895000	895000	1340000	25400
146	3212	617000	910000	910000	1360000	26200
148	3256	627000	925000	925000	1380000	27000
150	3300	637000	940000	940000	1400000	27800
152	3344	647000	955000	955000	1420000	28600
154	3388	657000	970000	970000	1440000	29400
156	3432	667000	985000	985000	1460000	30200
158	3476	677000	1000000	1000000	1480000	31000
160	3520	687000	1015000	1015000	1500000	31800
162	3564	697000	1030000	1030000	1520000	32600

Chain Dia. in	Length of Five Links ft	m	High Strength Grade 2		Extra High Strength Grade 3		Max. Wt. per 15 Fathoms lbs
			Proof Load lbs	Breaking Load lbs	Proof Load lbs	Breaking Load lbs	
3/4	1	4-1/2	34000	47600	47600	68000	480
13/16	1	5-7/8	39900	55700	55700	79500	570
7/8	1	7-1/4	46000	64400	64400	91800	660
15/16	1	8-5/8	52600	73700	73700	105000	760
1	1	10	59700	83600	83600	119500	860
1-1/16	1	11-3/8	67200	94100	94100	135000	970
1-1/8	2	12-3/4	75000	105000	105000	150000	1080
1-3/16	2	2-1/8	83400	116500	116500	167000	1220
1-1/4	3	3-1/2	92200	129000	129000	184000	1350
1-5/16	3	4-7/8	101500	142000	142000	203000	1490
1-3/8	3	5-1/4	111000	155000	155000	222000	1630
1-7/16	4	6-1/8	120500	169000	169000	241000	1780
1-1/2	4	7-1/4	131000	183500	183500	262000	1940
1-9/16	5	8-1/8	142000	198500	198500	284000	2090
1-5/8	5	9-1/4	153000	214000	214000	306000	2240
1-11/16	5	10-3/8	165000	229000	229000	327000	2410
1-3/4	6	11-3/8	176000	247000	247000	352000	2590
1-13/16	6	12-3/8	188500	264000	264000	377000	2780
1-7/8	7	13-3/8	201000	281000	281000	402000	2980
1-15/16	7	14-3/8	214000	299000	299000	427000	3180
2	8	15-3/8	227000	318000	318000	454000	3390
2-1/16	8	16-3/8	241000	337000	337000	482000	3620
2-1/8	9	17-3/8	255000	357000	357000	510000	3860
2-3/16	9	18-3/8	269000	377000	377000	538000	4120
2-1/4	10	19-3/8	284000	398000	398000	570000	4250
2-5/16	10	20-3/8	299000	419000	419000	598000	4490
2-3/8	11	21-3/8	314000	440000	440000	628000	4730
2-7/16	11	22-3/8	330000	462000	462000	660000	4980
2-1/2	12	23-3/8	346000	484000	484000	692000	5270
2-9/16	12	24-3/8	363000	507000	507000	726000	5540
2-5/8	13	25-3/8	379000	530000	530000	760000	5820
2-11/16	13	26-3/8	396000	554000	554000	792000	6110
2-3/4	14	27-3/8	413000	578000	578000	826000	6410
2-13/16	14	28-3/8	431000	603000	603000	861000	6710
2-7/8	15	29-3/8	449000	628000	628000	897000	7020
2-15/16	15	30-3/8	467000	654000	654000	934000	7330
3	16	31-3/8	485000	679000	679000	970000	7650
3-1/16	16	32-3/8	504000	705000	705000	1008000	7980
3-1/8	17	33-3/8	523000	732000	732000	1046000	8320
3-3/16	17	34-3/8	542000	759000	759000	1084000	8660
3-1/4	18	35-3/8	562000	787000	787000	1124000	9010
3-5/16	18	36-3/8	582000	814000	814000	1163000	9360
3-3/8	19	37-3/8	602000	843000	843000	1204000	9730
3-7/16	19	38-3/8	622000	871000	871000	1244000	10100
3-1/2	20	39-3/8	642000	900000	900000	1285000	10500
3-9/16	20	40-3/8	662000	929000	929000	1327000	10900
3-5/8	21	41-3/8	682000	958000	958000	1369000	11300
3-3/4	22	42-3/8	702000	987000	987000	1411000	11700
3-7/8	23	43-3/8	722000	1016000	1016000	1453000	12100
3-15/16	23	44-3/8	742000	1045000	1045000	1495000	12500
4	24	45-3/8	762000	1074000	1074000	1537000	12900
4-1/8	25	46-3/8	782000	1103000	1103000	1579000	13300
4-1/4	26	47-3/8	802000	1132000	1132000	1621000	13700
4-3/8	27	48-3/8	822000	1161000	1161000	1663000	14100
4-1/2	28	49-3/8	842000	1190000	1190000	1705000	14500
4-5/8	29	50-3/8	862000	1219000	1219000	1747000	14900
4-3/4	30	51-3/8	882000	1248000	1248000	1789000	15300
4-7/8	31	52-3/8	902000	1277000	1277000	1831000	15700
5	32	53-3/8	922000	1306000	1306000	1873000	16100
5-1/8	33	54-3/8	942000	1335000	1335000	1915000	16500
5-1/4	34	55-3/8	962000	1364000	1364000	1957000	16900
5-3/8	35	56-3/8	982000	1393000	1393000	1999000	17300
5-1/2	36	57-3/8	1002000	1422000	1422000	2041000	17700
5-5/8	37	58-3/8	1022000	1451000	1451000	2083000	18100
5-3/4	38	59-3/8	1042000	1480000	1480000	2125000	18500
5-7/8	39	60-3/8	1062000	1509000	1509000	2167000	18900
6	40	61-3/8	1082000	1538000	1538000	2209000	19300
6-1/8	41	62-3/8	1102000	1567000	1567000	2251000	19700</