



ATLAS

Polyamide cable & rope
Made of Bayer-filaments
Cross lay

Spec. gravity: 1.14
 Melting point: 215°C
 Sturdy construction. Elongation at break: 25 %
 Resistance against abrasion: excellent

Technical table for Rope and Cable

Actual breaking loads

Weights per coil of 220 metres or 720 feet

CIRCUMFERENCE in Inches	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4
DIAMETER in mm	4	5	6	8	10	12	14	16	18	20	22	24	26
Weight in Lbs	—	—	—	15	32	46	73	82	107	133	167	194	225
Weight in kilos	—	—	—	6,6	14,3	20,9	33	37,4	48,4	60,5	75,9	88	102
Breaking load in kN	—	—	—	10,8	23,5	34,3	53,9	60,8	75,5	97,1	119	140	165
Breaking load in kilos	—	—	—	1.100	2.400	3.500	5.500	6.200	7.700	9.900	12.100	14.300	16.800

CIRCUMFERENCE in Inches	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/2	6	6 1/2	7	7 1/2	7 3/4
DIAMETER in mm	28	30	32	34	36	38	40	44	48	52	56	60	62
Weight in Lbs	249	—	315	—	353	—	485	606	719	780	970	—	1.131
Weight in kilos	113	—	143	—	160	—	220	275	326	354	440	—	513
Breaking load in kN	181	—	235	—	255	—	333	451	539	579	716	—	834
Breaking load in kilos	18.500	—	24.000	—	26.000	—	34.000	46.000	55.000	59.000	73.000	—	85.000

CIRCUMFERENCE in Inches	8	8 1/2	8 3/4	9	9 1/2	9 3/4	10	10 1/2	11	11 1/4	12	13	14
DIAMETER in mm	64	68	70	72	76	78	80	84	88	90	96	104	112
Weight in Lbs	—	1.358	—	1.631	1.896	—	—	2.061	—	2.449	2.837	3.508	3.968
Weight in kilos	—	616	—	740	860	—	—	935	—	1.111	1.287	1.591	1.800
Breaking load in kN	—	1.010	—	1.170	1.340	—	—	1.510	—	1.780	2.050	2.320	2.600
Breaking load in kilos	—	103.000	—	119.000	137.000	—	—	154.000	—	181.000	209.000	237.000	265.000

CIRCUMFERENCE in Inches	15	16	17	18	19	20
DIAMETER in mm	120	128	136	144	152	160
Weight in Lbs	4.564	5.181	5.844	6.612	7.571	8.366
Weight in kilos	2.070	2.350	2.651	2.999	3.434	3.795
Breaking load in kN	2.960	3.320	3.720	4.170	4.730	5.180
Breaking load in kilos	302.000	339.000	379.000	425.000	482.000	528.000



W.J. KEATING LIMITED

“CAVER” aramid cable

**Made of KEVLAR
Multifilament yarn
Cross lay**

Spec. gravity = 1.20
Melting point: polyurethane jacketed
Elongation at break: 4 %
Tensile strength: 160/180 kg./sq. mm
Resistance against abrasion: excellent

Technical table for Rope and Cable

Actual breaking loads

Weights per coil of 220 metres or 720 feet

WIRE ROPE CONSTRUCTION

DIAMETER in mm	3,1	3,7	4,6	5,4	6,8	7,5	7,6	8,1	8,5	9,7	10,3	11,0	11,9
Breaking load in kN	7,8	11,3	14,7	21,6	31,9	39,9	29,9	34,9	46,1	44,1	52,0	56,9	66,0
Weight in kilos p/1000 m	9	13	17	25	38	49	45	50	62	68	78	88	102
Construction	7x7	7x7	7x7	7x7	7x7	7x7	6x12	6x14	7x7	6x12	6x14	6x12	6x14
Breaking load in kilos	800	1.150	1.500	2.200	3.250	4.070	3.050	3.560	4.700	4.500	5.300	5.800	6.790
DIAMETER in mm	12,0	12,0	12,9	14,0	14,9	15	16	16,3	18,6	19	20	21	
Breaking load in kN	66,6	67,9	79,3	86,3	101	102	128	114	145	165	204	196	
Weight in kilos p/1000 m	100	106	126	142	171	165	200	194	263	270	320	333	
Construction	6x19	6x12	6x14	6x19	6x19	6x12	6x37	6x14	6x19	6x37	6x12	6x37	
Breaking load in kilos	6.730	6.925	8.085	8.800	10.260	10.410	13.100	11.640	14.750	16.790	20.800	19.990	
DIAMETER in mm	23,6	25	26	27,6	27,8	29	31,1	34	36	41	43	51	
Breaking load in kN	238	182	295	302	330	342	400	441	588	649	815	988	
Weight in kilos p/1000 m	405	473	546	559	561	612	743	820	1.090	1.170	1.540	2.200	
Construction	6x14	6x12	6x37	6x19	6x14	6x12	6x14	6x19	6x37	6x19	6x37	6x37	
Breaking load in kilos	24.257	28.800	30.050	30.750	33.630	34.890	40.750	45.000	59.940	65.000	83.120	100.700	
Heavier sizes are available upon request.													



SYNTHETIC ROPE

**Nylon rope
3 & 8 strand**

Spec. gravity: 1.14
Melting point: 215°C
Elongation at break: 45 %
Resistance against abrasion: good

Technical table for Rope and Cable
Actual breaking loads Weights per coil of 220 metres or 720 feet

CIRCUMFERENCE in Inches	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4
DIAMETER in mm	4	5	6	8	10	12	14	16	18	20	22	24	26
Weight in Lbs	5	8	11	20	32	46	62	80	102	126	152	182	213
Weight in kilos	2,3	3,6	5,2	9,2	14,3	20,7	28,2	36,5	46,2	57	69,2	82,5	96,6
Breaking load in kN	3,14	4,90	7,36	13,2	20,4	29,4	40,2	52,0	65,7	81,4	98,1	118	135
Breaking load in kilos	320	500	750	1.350	2.080	3.000	4.100	5.300	6.700	8.300	10.000	12.000	13.800

CIRCUMFERENCE in Inches	28	30	32	34	36	38	40	44	48	52	56	60	62
DIAMETER in mm	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/2	6	6 1/2	7	7 1/2	7 3/4
Weight in Lbs	247	284	322	364	408	461	505	611	732	849	983	1.129	—
Weight in kilos	112	129	146	165	185	209	229	277	332	385	446	512	—
Breaking load in kN	155	175	196	219	243	268	294	351	412	479	549	626	—
Breaking load in kilos	15.800	17.800	20.000	22.300	24.800	27.300	30.000	35.800	42.000	48.800	56.000	63.800	—

CIRCUMFERENCE in Inches	8	8 1/2	8 3/4	9	9 1/2	9 3/4	10	10 1/2	11	11 1/4	12	13	14
DIAMETER in mm	64	68	70	72	76	78	80	84	88	90	96	104	112
Weight in Lbs	1.283	1.451	—	1.627	1.812	—	2.010	—	2.434	—	2.895	3.508	3.968
Weight in kilos	582	658	—	738	822	—	912	—	1.104	—	1.313	1.591	1.800
Breaking load in kN	706	792	—	883	979	—	1.080	—	1.280	—	1.510	1.760	2.010
Breaking load in kilos	72.000	80.750	—	90.000	99.800	—	110.000	—	131.000	—	154.000	179.000	205.000

CIRCUMFERENCE in Inches	15	16	17	18	19	20							
DIAMETER in mm	120	128	136	144	152	160							
Weight in Lbs	4.564	5.181	5.842	6.614									
Weight in kilos	2.070	2.350	2.650	3.000									
Breaking load in kN	2.300	2.600	2.890	3.240									
Breaking load in kilos	235.000	265.000	295.000	330.000									



NATURAL FIBRE ROPE

Manilla & Sisal Rope
3-strand

Spec. gravity: 1.40
Elongation at break: 20 %
Resistance against abrasion: very good

Technical table for Rope and Cable

Actual breaking loads

Weights per coil of 220 metres or 720 feet

CIRCUMFERENCE in Inches	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4
DIAMETER in mm	4	5	6	8	10	12	14	16	18	20	22	24	26
Weight in Lbs	—	—	—	26	34	51	68	93	109	135	160	194	228
Weight in kilos	—	—	—	12	15	23	31	42	49	61	73	88	103
Breaking load in kN	—	—	—	4,71	6,23	9,32	12,6	17,5	20,9	27,9	33,3	39,8	46,3
Breaking load in kilos	—	—	—	480	635	950	1.280	1.780	2.130	2.840	3.400	4.060	4.720

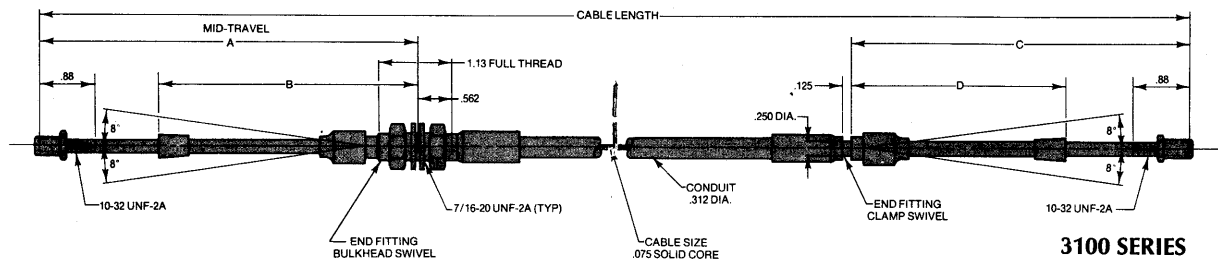
CIRCUMFERENCE in Inches	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	5	5 1/2	6	6 1/2	7	7 1/2
DIAMETER in mm	28	30	32	34	36	38	40	44	48	52	56	60
Weight in Lbs	261	304	341	388	435	486	537	656	755	912	1.056	1.210
Weight in kilos	118	138	155	176	197	220	244	298	352	414	479	549
Breaking load in kN	52,3	59,8	67,3	74,7	84,7	92,2	102	125	144	170	194	222
Breaking load in kilos	5.330	6.100	6.860	7.620	8.640	9.400	10.400	12.700	14.700	17.300	19.800	22.600

CIRCUMFERENCE in Inches	7 3/4	8	8 1/2	8 3/4	9	9 1/2	9 3/4	10	10 1/2	11	11 1/4	12
DIAMETER in mm	62	64	68	70	72	76	78	80	84	88	90	96
Weight in Lbs	—	1.409	1.559	—	1.746	1.943	—	2.155	—	2.607	—	3.100
Weight in kilos	—	639	707	—	792	881	—	977	—	1.183	—	1.406
Breaking load in kN	—	252	317	—	354	393	—	433	—	521	—	618
Breaking load in kilos	—	25.700	32.300	—	36.100	40.100	—	44.200	—	53.100	—	63.000



W.J. KEATING LIMITED

PUSH/PULL CABLES



PANEL CABLES 3100 SERIES

