

# Rope Break Chart

## 3 strand ropes

Diameter (mm)	Sisal / Manila	Silver rope (PE)	PE Mono rope	PP rope	3 strand Aquatec (PP/PE)	3 strand Polyester	3 strand Nylon	Diameter (mm)
4			200	214	240	300	320	4
6	260	375	400	600	680	600	750	6
8	480	620	700	1060	1200	1020	1346	8
10	635	945	1100	1560	1800	1600	2080	10
12	955	1265	1500	2210	2700	2300	3000	12
14	1285	1440	2100	3050	3600	3200	4100	14
16	1805	2120	2800	3770	4500	4100	5300	16
18	2140	2590	3500	4810	5800	5100	6730	18
20	2845	3160	4300	5800	6900	6300	8260	20
22	3405	3755	5100	6960	8400	7600	10000	22
24	4070	4395	6100	8130	9900	9100	12035	24
28	5325	5945	8200	10700	13200	12200	15800	28
32	6865	7770	10700	13500	16800	15700	20000	32
36	8700	9820	13500	16930	20600	19400	24900	36
40	10500	12140	16300		25700	24000	30000	40
48	14790	17135	22800	28610	36600	33500	42000	48
56	19890	23360	30400	37850	52000	44800	56000	56
60			34500	43280	59500	49800	63800	60

## 8 and 12 strand ropes

Diameter (mm)	8 strand Aquatec (PP/PE)	8 strand Polyester	8 strand Nylon	8 strand Aquaflex (PP/Pest) 60:40	12 strand Aquatec (PP/PE)	12 strand Polyester	12 strand Nylon	12 strand Aquaflex (PP/Pest) 60:40	Diameter (mm)
24	9900	9100	12857						24
32	16800	15700	20000						32
40	28000	27500	30000	34200					40
48	39500	38600	42000	47400					48
52	45750	45000	49000	55500	47400	48200	54000	64300	52
56	52000	51500	56000	63200	55100	55600	61200	72800	56
60	59500	58500	64000	72400	61700	63000	70400	81200	60
64	67550	66600	72000	81600	70500	71000	79200	90400	64
68	76000	74400	81000	91800	79800	80200	89000	104100	68
72	84500	83000	90000	102000	89200	89500	98900	113100	72
76	94000	92500	100000	112000	98500	99400	110000	134100	76
80	103999	102000	110000	125000	108400	110000	121000	148100	80
84	114000	112000	120000		117800	118500	132000	175100	84
88	125000	122000	131000	148000	127700	129300	144100	205100	88
96	148000	144000	154000	174000	150800		169000	235100	96
104	169500	167000			171700				104
108		179500			186000				108
112	201000	192000			200200				112