

## NATURAL & SYNTHETIC FIBRE ROPES TECHNICAL SPECIFICATIONS

### SPECIFICATION FOR 3-STRAND & FLEXPY (8-STRAND PLAITED) ROPES

		4	5	6	7	8	9	10	11	12	13	14	16	18	20	22	24	26	28	30	32	36	40	44	48	52	56	60	64	68	72	76	80	88	96	
NYLON 3 STRAND	DIAMETER (mm)	1 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	11	12		
	CIR. (INCHES) APPROX	1 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	11	12		
	mass/220m meter/kg	2.4 ± 916	3.6 611	5.2 423	7 314	9.2 23.9	11.7 18.8	14.3 15.3	17.4 12.6	20.7 10.6	24.4 9	28.2 36.5	32.2 46	38 4.8	46 3.8	57 3.8	69 3.2	82 2.7	112 1.9	146 1.5	185 1.19	229 0.98	277 0.79	330 0.67	385 0.57	447 0.49	513 0.43	583 0.37	700 0.3	796 0.24	913 0.24	104 0.20	117 0.20	1316 0.17		
POLYESTER 3 STRAND	B.Force	320	500	750	1020	1350	1700	2080	2500	3000	3500	4100	5300	6700	8300	10000	12000	15800	20000	24800	30000	35800	42700	50700	60000	70000	82000	96000	111000	128000	147000	168000	191000	216000	243000	
	mass/220m meter/kg	3.2 ± 687	4.4 500	6.6 333	8.8 250	11.2 19.6	14.5 15.1	17.8 12.3	21.3 10.3	25.5 8.6	29.7 7.4	34.5 6.4	45.1 4.8	57.2 3.8	70 3.1	84 2.6	101 2.2	139 1.6	180 1.2	229 0.96	282 0.78	341 0.64	407 0.54	473 0.46	552 0.39	634 0.34	722 0.30	820 0.24	930 0.24	1050 0.19	1180 0.16	1320 0.16	1470 0.13	1630 0.13		
	B.Force	295	400	565	770	1020	1270	1580	1910	2270	2720	3180	4060	5080	6350	7820	9440	11200	14200	17500	21200	25300	29900	35100	40900	47400	54700	62900	72100	82300	93600	106000	120000	135000	151000	
POLYETHYLENE 3 STRAND	mass/220m meter/kg	1.8 ± 122.2	2.7 81.5	4 55	5.4 45.3	7.2 30.6	8.6 25.6	10.3 20.4	12.6 16.9	15.3 13.9	18.7 11.8	22.2 10.5	26.2 7.8	30.2 6.3	34.2 5	38.2 4.1	42.2 3.4	46.2 2.8	50.2 2.2	54.2 1.7	58.2 1.3	62.2 1.0	66.2 0.8	70.2 0.67	74.2 0.57	78.2 0.5	82.2 0.43	86.2 0.35	90.2 0.28	94.2 0.24	98.2 0.20	102.2 0.17	106.2 0.14	110.2 0.12		
	B.Force	200	285	400	545	700	900	1090	1320	1540	1790	2090	2800	3460	4270	5080	6100	7360	8880	10680	12760	15120	17760	20680	23960	28400	33500	39100	44700	49800	57900	66000	75000	84000	93000	102000
	mass/220m meter/kg	1.8 ± 122.2	2.7 81.5	4 55	5.4 45.3	7.2 30.6	8.6 25.6	10.3 20.4	12.6 16.9	15.3 13.9	18.7 11.8	22.2 10.5	26.2 7.8	30.2 6.3	34.2 5	38.2 4.1	42.2 3.4	46.2 2.8	50.2 2.2	54.2 1.7	58.2 1.3	62.2 1.0	66.2 0.8	70.2 0.67	74.2 0.57	78.2 0.5	82.2 0.43	86.2 0.35	90.2 0.28	94.2 0.24	98.2 0.20	102.2 0.17	106.2 0.14	110.2 0.12	114.2 0.10	
COTTON 3-STRAND	mass/220m meter/kg	1.8 ± 122.2	2.7 81.5	4 55	5.4 45.3	7.2 30.6	8.6 25.6	10.3 20.4	12.6 16.9	15.3 13.9	18.7 11.8	22.2 10.5	26.2 7.8	30.2 6.3	34.2 5	38.2 4.1	42.2 3.4	46.2 2.8	50.2 2.2	54.2 1.7	58.2 1.3	62.2 1.0	66.2 0.8	70.2 0.67	74.2 0.57	78.2 0.5	82.2 0.43	86.2 0.35	90.2 0.28	94.2 0.24	98.2 0.20	102.2 0.17	106.2 0.14	110.2 0.12	114.2 0.10	
	B.Force	200	285	400	545	700	900	1090	1320	1540	1790	2090	2800	3460	4270	5080	6100	7360	8880	10680	12760	15120	17760	20680	23960	28400	33500	39100	44700	49800	57900	66000	75000	84000	93000	102000
	mass/220m meter/kg	1.8 ± 122.2	2.7 81.5	4 55	5.4 45.3	7.2 30.6	8.6 25.6	10.3 20.4	12.6 16.9	15.3 13.9	18.7 11.8	22.2 10.5	26.2 7.8	30.2 6.3	34.2 5	38.2 4.1	42.2 3.4	46.2 2.8	50.2 2.2	54.2 1.7	58.2 1.3	62.2 1.0	66.2 0.8	70.2 0.67	74.2 0.57	78.2 0.5	82.2 0.43	86.2 0.35	90.2 0.28	94.2 0.24	98.2 0.20	102.2 0.17	106.2 0.14	110.2 0.12	114.2 0.10	
POLYPROPYLENE 3 & 8 - STRAND	mass/220m meter/kg	1.8 ± 122.2	2.7 81.5	4 55	5.4 45.3	7.2 30.6	8.6 25.6	10.3 20.4	12.6 16.9	15.3 13.9	18.7 11.8	22.2 10.5	26.2 7.8	30.2 6.3	34.2 5	38.2 4.1	42.2 3.4	46.2 2.8	50.2 2.2	54.2 1.7	58.2 1.3	62.2 1.0	66.2 0.8	70.2 0.67	74.2 0.57	78.2 0.5	82.2 0.43	86.2 0.35	90.2 0.28	94.2 0.24	98.2 0.20	102.2 0.17	106.2 0.14	110.2 0.12	114.2 0.10	
	B.Force	200	285	400	545	700	900	1090	1320	1540	1790	2090	2800	3460	4270	5080	6100	7360	8880	10680	12760	15120	17760	20680	23960	28400	33500	39100	44700	49800	57900	66000	75000	84000	93000	102000
	mass/220m meter/kg	1.8 ± 122.2	2.7 81.5	4 55	5.4 45.3	7.2 30.6	8.6 25.6	10.3 20.4	12.6 16.9	15.3 13.9	18.7 11.8	22.2 10.5	26.2 7.8	30.2 6.3	34.2 5	38.2 4.1	42.2 3.4	46.2 2.8	50.2 2.2	54.2 1.7	58.2 1.3	62.2 1.0	66.2 0.8	70.2 0.67	74.2 0.57	78.2 0.5	82.2 0.43	86.2 0.35	90.2 0.28	94.2 0.24	98.2 0.20	102.2 0.17	106.2 0.14	110.2 0.12	114.2 0.10	
MANILLA SUPER 3 & 8 - STRAND	mass/220m meter/kg	1.8 ± 122.2	2.7 81.5	4 55	5.4 45.3	7.2 30.6	8.6 25.6	10.3 20.4	12.6 16.9	15.3 13.9	18.7 11.8	22.2 10.5	26.2 7.8	30.2 6.3	34.2 5	38.2 4.1	42.2 3.4	46.2 2.8	50.2 2.2	54.2 1.7	58.2 1.3	62.2 1.0	66.2 0.8	70.2 0.67	74.2 0.57	78.2 0.5	82.2 0.43	86.2 0.35	90.2 0.28	94.2 0.24	98.2 0.20	102.2 0.17	106.2 0.14	110.2 0.12	114.2 0.10	
	B.Force	200	285	400	545	700	900	1090	1320	1540	1790	2090	2800	3460	4270	5080	6100	7360	8880	10680	12760	15120	17760	20680	23960	28400	33500	39100	44700	49800	57900	66000	75000	84000	93000	102000
	mass/220m meter/kg	1.8 ± 122.2	2.7 81.5	4 55	5.4 45.3	7.2 30.6	8.6 25.6	10.3 20.4	12.6 16.9	15.3 13.9	18.7 11.8	22.2 10.5	26.2 7.8	30.2 6.3	34.2 5	38.2 4.1	42.2 3.4	46.2 2.8	50.2 2.2	54.2 1.7	58.2 1.3	62.2 1.0	66.2 0.8	70.2 0.67	74.2 0.57	78.2 0.5	82.2 0.43	86.2 0.35	90.2 0.28	94.2 0.24	98.2 0.20	102.2 0.17	106.2 0.14	110.2 0.12	114.2 0.10	
MANILLA GR1 3 & 8 - STRAND	mass/220m meter/kg	1.8 ± 122.2	2.7 81.5	4 55	5.4 45.3	7.2 30.6	8.6 25.6	10.3 20.4	12.6 16.9	15.3 13.9	18.7 11.8	22.2 10.5	26.2 7.8	30.2 6.3	34.2 5	38.2 4.1	42.2 3.4	46.2 2.8	50.2 2.2	54.2 1.7	58.2 1.3	62.2 1.0	66.2 0.8	70.2 0.67	74.2 0.57	78.2 0.5	82.2 0.43	86.2 0.35	90.2 0.28	94.2 0.24	98.2 0.20	102.2 0.17	106.2 0.14	110.2 0.12	114.2 0.10	
	B.Force	200	285	400	545	700	900	1090	1320	1540	1790	2090	2800	3460	4270	5080	6100	7360	8880	10680	12760	15120	17760	20680	23960	28400	33500	39100	44700	49800	57900	66000	75000	84000	93000	102000
	mass/220m meter/kg	1.8 ± 122.2	2.7 81.5	4 55	5.4 45.3	7.2 30.6	8.6 25.6	10.3 20.4	12.6 16.9	15.3 13.9	18.7 11.8	22.2 10.5	26.2 7.8	30.2 6.3	34.2 5	38.2 4.1	42.2 3.4	46.2 2.8	50.2 2.2	54.2 1.7	58.2 1.3	62.2 1.0	66.2 0.8	70.2 0.67	74.2 0.57	78.2 0.5	82.2 0.43	86.2 0.35	90.2 0.28	94.2 0.24	98.2 0.20	102.2 0.17	106.2 0.14	110.2 0.12	114.2 0.10	
SISAL 3 & 8 - STRAND	mass/220m meter/kg	1.8 ± 122.2	2.7 81.5	4 55	5.4 45.3	7.2 30.6	8.6 25.6	10.3 20.4	12.6 16.9	15.3 13.9	18.7 11.8	22.2 10.5	26.2 7.8	30.2 6.3	34.2 5	38.2 4.1	42.2 3.4	46.2 2.8	50.2 2.2	54.2 1.7	58.2 1.3	62.2 1.0	66.2 0.8	70.2 0.67	74.2 0.57	78.2 0.5	82.2 0.43	86.2 0.35	90.2 0.28	94.2 0.24	98.2 0.20	102.2 0.17	106.2 0.14	110.2 0.12	114.2 0.10	
	B.Force	200	285	400	545	700	900	1090	1320	1540	1790	2090	2800	3460	4270	5080	6100	7360	8880	10680	12760	15120	17760	20680	23960	28400	33500	39100	44700	49800	57900	66000	75000	84000	93000	102000
	mass/220m meter/kg	1.8 ± 122.2	2.7 81.5	4 55	5.4 45.3	7.2 30.6	8.6 25.6	10.3 20.4	12.6 16.9	15.3 13.9	18.7 11.8	22.2 10.5	26.2 7.8	30.2 6.3	34.2 5	38.2 4.1	42.2 3.4	46.2 2.8	50.2 2.2	54.2 1.7	58.2 1.3	62.2 1.0	66.2 0.8	70.2 0.67	74.2 0.57	78.2 0.5	82.2 0.43	86.2 0.35	90.2 0.28	94.2 0.24	98.2 0.20	102.2 0.17	106.2 0.14	110.2 0.12	114.2 0.10	