

# Mudfords

SUPPLIERS TO INDUSTRY, TRANSPORT AND CONSTRUCTION

## ROPE - BREAKING STRAINS & COIL WEIGHTS

Ø		4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	36	40	44	48
PP	A	283	604	1030	1570	2203	2947	3773	4711	5721	6842	8035	9330	10707	12134	13664	17029	20802	24779	29163
	B	2.0	4.0	6.5	10.0	14.5	20.0	25.5	32.5	40.0	48.5	57.0	67.5	78.0	89.5	102.0	129.0	159.0	193.0	229.0
SI	A		263	459	707	1005	1356	1754	2203	2702	3253	3854	4507	5200	5945	6730	8453	10401	12440	14786
	B		5.5	10.0	15.5	22.0	30.0	39.0	49.5	61.0	74.0	88.0	103.0	119.0	137.0	156.0	198.0	244.0	295.0	352.0
MA	A		295	515	793	1132	1519	1968	2478	3039	3661	4334	5058	5833	6669	7556	9493	11625	13970	16519
	B		5.5	10.0	15.5	22.0	30.0	39.0	49.5	61.0	74.0	88.0	103.0	119.0	137.0	156.0	198.0	244.0	295.0	352.0
NY	A	377	809	1407	2162	3069	4079	5292	6557	8076	9585	11421	13154	15194	17233	19578	24473	29979	35791	42012
	B	2.5	5.0	9.0	13.5	19.5	27.0	35.0	44.0	54.5	66.0	78.5	92.0	106.0	122.0	139	176.0	217.0	262.0	312.0
PE	A	286	620	1071	1652	2345	3151	4058	5088	6220	7454	8780	10299	11829	13460	15296	19170	23453	28144	33242
	B	3.0	6.5	11.0	17.0	24.0	33.0	43.0	54.5	67.0	81.0	96.5	113.0	131.0	150.0	171.0	216.0	266.0	323.0	385.0
HE	A		145	229	357	551	701	930	1147	1417	1652	2029	2345	2758	3151	3615	4364	5088		
	B		6.0	10.5	16.5	24.5	31.0	41.0	51.0	63.0	76.0	90.5	107.0	123.5	141.0	162.0	205.0	253.0		
HE S	A		362	489	846	1254	1591	2039	2529	3110	3722	4385	5048	5812	6526	7546	9483	11727		
	B		3.5	6.5	9.5	14.0	18.0	23.0	29.0	35.5	42.0	51.0	59.5	68.2	77.0	88.0	112.5	139.0		
CO	A	BREAKING STRAINS NOT AVAILABLE – FOR DECORATION ONLY																		
	B		6.5	10.5	15.0	22.0	30.5	41.5	49.5	51.0		65.0		85.0		113.0				

Code	Rope Type	Strands	Standard
PP	Polypropylene – Thread Laid & Staplespun	3	BS EN ISO 1346:2004
SI	Sisal	3	BS EN ISO 1181:2004
MA	Manilla	3	BS EN ISO 1181:2004
NY	Nylon (Polyamide)	3	BS EN ISO 1140:2004
PE	Polyester	3	BS EN ISO 1141:2004
HE	Hemp	3 & 4	BS EN 1261:1995
HE S	Synthetic Hemp (Polypropylene)	3 & 4	
CO	Cotton	3	

Notes
Ø – Rope diameters are given in mm
A – Breaking strain in kilograms for a straight pull
B – Approximate coil weight in kilograms for a 220m length of rope
HEMP ROPE - Breaking strains shown are for Grade II, which is 50% of those shown in the standard for Grade I
Breaking strains will lower if ropes are spliced or knotted (splicing reduces breaking strains by approximately 10%)

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