

# LINE SELECTION GUIDE

The guide below, details diameters per application for the average cruiser/racer based on polyester ropes such as Marlowbraided or Doublebraided.

From a performance perspective strength and stretch are most important and the higher strength to weight ratio of ropes with Dyneema means that at least one size smaller can be used e.g. An 8mm or 10mm D2 Racing can be used instead of 12mm Marlowbraided.

However, when choosing any line, it is important to achieve a balance between performance and the ability to handle the line effectively – if the rope is too thin, the crew may find it more difficult to hold on to and your existing deck gear may struggle to work with it.

### OVERALL YACHT LENGTH (M)

	6-8m	9m	10m	11m	12m	14m	16m	18m
<b>SAIL AREA sq.m (approx)</b>								
MAIN	8.5	13.5	16	18.5	23.5	37.5	50	67
GENOA/JIB	9	16.5	25	33.5	42	58.5	71	83.5
SPINNAKER	37.5	46	54.5	71	92	117	150.5	184
<b>SHEET SIZE diameter (mm)</b>								
MAIN	8	10	10	10	12	12	14	16
GENOA/JIB	8	10	10	12	12	14	16	18
SPINNAKER	8	8	8	10	10	12	14	16
SPINNAKER/GUY	8	8	10	10	12	14	16	18
<b>HALYARD SIZE diameter (mm)</b>								
MAIN	10	10	12	12	14	14	18	20
GENOA/JIB	10	10	12	12	14	14	18	20
SPINNAKER	8	8	10	10	12	12	14	16

USE ONE SIZE DOWN FROM THE SIZES DETAILED IN THIS CHART WHEN SPECIFYING ROPES WITH DYNEEMA® CORES

### MOORING ROPES

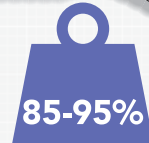
	6-8m	9m	10m	11m	12m	14m	16m	18m
DISPLACEMENT TONNES	2	4	5	6.5	8	11	12	20
POLYESTER LINE (MM)	8-10	12	12	14	14	16	18	24

### ANCHOR WARPS, PAINTER LINES

	6-8m	9m	10m	11m	12m	14m	16m	18m
DISPLACEMENT TONNES	2	4	5	6.5	8	11	12	20
NYLON LINE (MM)	12	14	16	16	18	20	20	24

## RETAINED STRENGTH

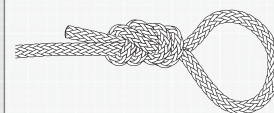
### SPICED ROPE



\* Quoted strength is for spliced rope

### KNOTTED ROPE

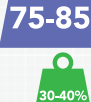
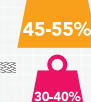
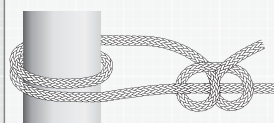
#### Figure 8 Loop



#### Bowline



#### Round turn 2 half hitches



Doublebraided



Marlowbraided



D2



D12

**Marlow**  
www.marlowropes.com