

FURLEX


SELDÉN

GUIDELINES WHEN CHOOSING FURLEX

Note 1: Righting moment is the primary value when selecting the correct type of Furlex, Displacement figures could be a guideline for **monohull** yachts. When in doubt, (Furlex seems over/undersized), refer to Seldén Mast for advice.

Note 2: When selecting a Furlex for a **multihull** yacht, righting moment is the sole criteria.

Righting moment formulas:

Catamarans: $RM = 0.5 \times B \times D$

Trimarans: $RM = 0.4 \times B \times D$ where

RM = Max. righting moment (Newton metres, Nm)

B = Distance between hull centres (metres, m)

or approximately 0.8 x max beam

D = Displacement (Newtons, N)

MASTHEAD RIGGED YACHTS						FRACTIONAL RIGGED YACHTS			
Max. righting moment at 30° heel	Approx. displ. metric tons	FORESTAY		INNER FORESTAY [Ⓞ]		Max. righting moment at 30° heel	Approx. Displ. Metric tons	FORESTAY	
		Furlex type	∅ mm	Furlex type	∅ mm			Furlex type	∅ mm
6 500 Nm 4 700 FTxLBS	1.3	100S	4	—		8 000 Nm 5 800 FTxLBS	1.5	100S	4
10 000 Nm 7 200 FTxLBS	2.3	100S	5	—		14 500 Nm 10 000 FTxLBS	3.0	100S	5
17 000 Nm 12 250 FTxLBS	3.5	100S	6	—		22 000 Nm 15 850 FTxLBS	4.0	100S	6
19 000 Nm 13 600 FTxLBS	3.5	200S	6	100S	5	23 000 Nm 16 500 FTxLBS	4.5	200S	6
27 000 Nm 19 400 FTxLBS	5.5	200S	7	200S 100S[Ⓞ]	6	34 000 Nm 24 400 FTxLBS	7.0	200S	7
37 000 Nm 26 800 FTxLBS	7.5	200S	8	200S	7	45 000 Nm 32 400 FTxLBS	9.0	200S	8
40 000 Nm 28 800 FTxLBS	8.0	300S	8	200S	7	50 000 Nm 36 000 FTxLBS	10.0	300S	8
70 000 Nm 50 400 FTxLBS	14.0	300S	10	200S	8	80 000 Nm 57 600 FTxLBS	15.0	300S	10
120 000 Nm 86 400 FTxLBS	20.0	400S	12	300S	10	160 000 Nm 115 000 FTxLBS	26.0	400S	12
180 000 Nm 130 000 FTxLBS	28.0	400S	14	300S	10	190 000 Nm 137 000 FTxLBS	30.0	400S	14
230 000 Nm 165 000 FTxLBS	38.0	500S	16	400S	12	250 000 Nm 180 000 FTxLBS	40.0	500S	16

Ⓞ Furlex for inner forestay – on following conditions:

1. The height of the inner foretriangle must not exceed 80% of the main (outer) foretriangle height.
2. The foot of the cutter jib must not exceed 80% of the main (outer) foretriangle base.

Ⓞ **100S** 6mm for inner forestay: Max RM 23 000 Nm (16 500 FTxLBS) at 30° heel.