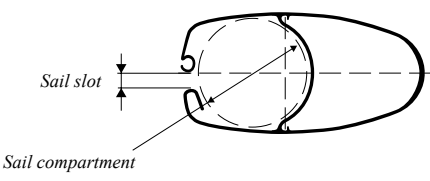
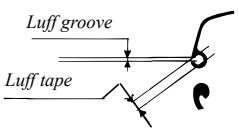
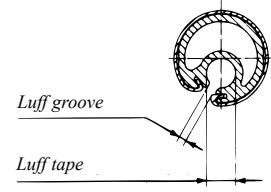


6 Furling mast

6.1 R section: manual, hydraulic and electro (1989 - 2002)

Mast section							Luff extrusion				
											
Mast section	Sail compartment	Sail slot	Max foot length E max ⁴⁾	Spare luff groove in mast			Type	Dia-meter	Luff groove	Max space for luff tape	
				Luff groove	Max space available for luff tape	Slide					
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
190/94 213/104 235/116	Ø 85 Ø 90 Ø 100	13.5 ± 3	3750 4000 4500	3.25	Ø 7.2	—	RA	Ø 25	2.75 ± 0.25	Ø 6.0	
214/122 232/126 260/136	Ø 110 Ø 114 Ø 114	15 ± 3	4750 5500 5500	3.25	Ø 10.0	Bainbridge AO32	RB	Ø 30	3.25 ± 0.35	Ø 8.0 ¹⁾	
290/150 324/169 ³⁾	Ø 124 Ø 154	15 ± 3	6000 7000	3.25 4.0	Ø 10.0 Ø 12.0	Bainbridge AO32 Bainbridge AO32 or Rutgerson 101	RC	Ø 38	3.25 ± 0.25	Ø 10 ²⁾	
370/192 ³⁾	Ø 174	15 ± 3	7500	3.3	Ø 13.0	Bainbridge AO33 or Rutgerson 102	RD	Ø 58	3.25 ± 0.25	Ø 10	

1) 1995 and earlier: Ø 10

2) Max Ø7 mm luff tape due to new sail feeder (2001).

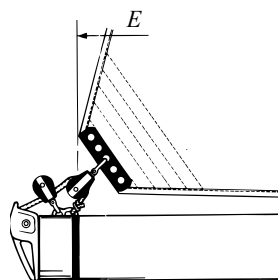
3) For more performance oriented furling main sails with a lot of shape and/or stiffer (non-dacron) sail cloth, and for sails with horizontal battens, an optional sail guide can be provided (art. no 535-811-01).

4) When the sail is fully furled, 300 mm of Emax will remain outside the mast due to reinforcement and clew-board. Note! Listed values are MAX VALUES for DACRON® main sails designed primarily for easy furling and reefing. For more performance oriented sails with more shape and stiffer sail cloth, max foot length will be reduced depending on sail design and sail cloth.

5) Note! Spare main sail entry is an optional feature from 2012 and onwards.

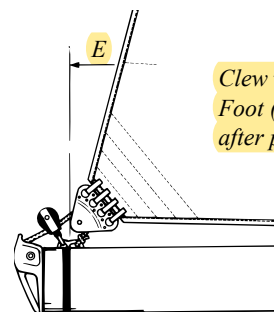
Design aspects on furling main sails, see page 44.

Alternative clew executions



Clew with clew-board:
Foot ("E") measured to after point of sail.
Clew-board gives longer effective ("E") than integrated block or normal cringle.

Fig. 6.1.a



Clew with integrated block:
Foot ("E") measured to after point of block.

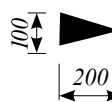
Fig. 6.1.b

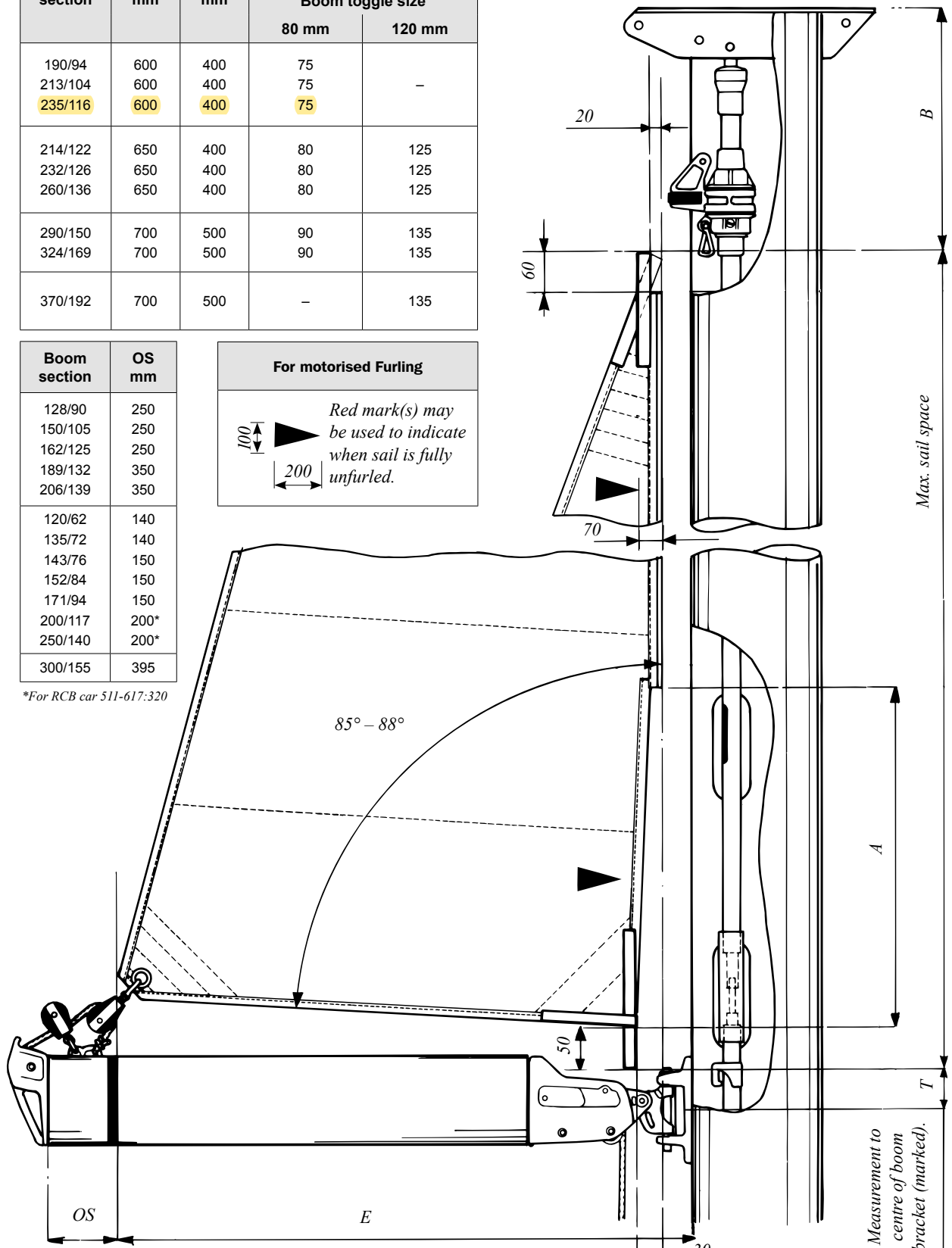
R

Mast section	A mm	B mm	T mm	
			Boom toggle size	
			80 mm	120 mm
190/94	600	400	75	-
213/104	600	400	75	-
235/116	600	400	75	-
214/122	650	400	80	125
232/126	650	400	80	125
260/136	650	400	80	125
290/150	700	500	90	135
324/169	700	500	90	135
370/192	700	500	-	135

Boom section	OS mm
128/90	250
150/105	250
162/125	250
189/132	350
206/139	350
120/62	140
135/72	140
143/76	150
152/84	150
171/94	150
200/117	200*
250/140	200*
300/155	395

For motorised Furling


 Red mark(s) may be used to indicate when sail is fully unfurled.



*For RCB car 511-617:320

Fig. 6.1.c

7.2 Furlex 50S-500S

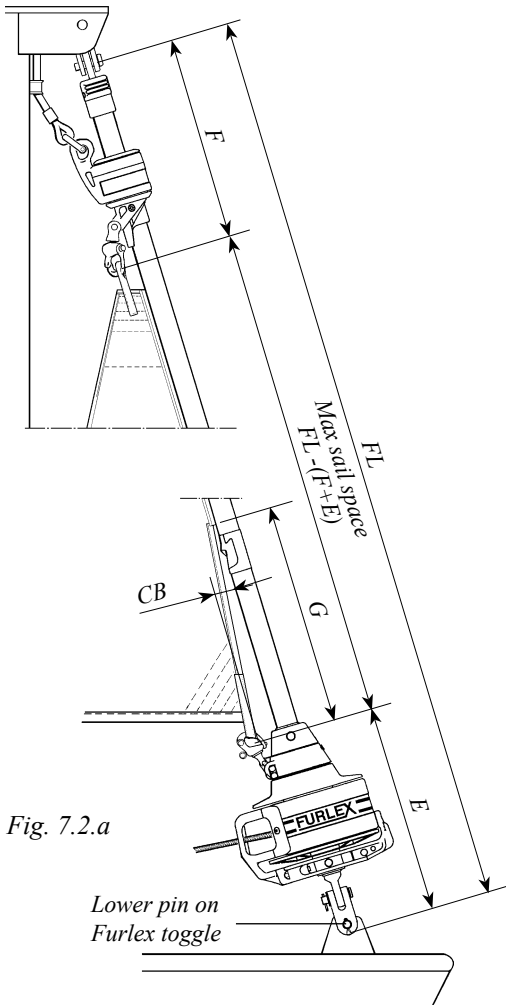


Fig. 7.2.a



Sails with a luff considerably shorter (more than 500 mm) than the maximum permissible must be fitted with a permanent head pendant. The total luff length including pendant should be just less than the "Max. sail space" dimension. A too short luff length (including head pendant) can result in "halyard wrap" which may cause severe damage to the forestay, and put the entire rig at risk. For more information please refer to "Sail information" in the relevant Furlex manual.

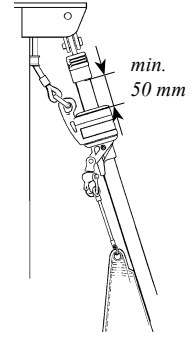


Fig. 7.2.b



Furlex 400S Mk2 halyard swivel.

If "F" measurement is >specified (sail is made too short) there is a risk of the halyard shackle shafing the luff extrusion.

Always check clearance. Add a pendant between sail and halyard swivel or a soft shackle between HMPE loop in the halyard swivel and the halyard shackle. A too short luff length (including head pendant) can also result in "halyard wrap" which may cause severe damage to the forestay, and put the entire rig at risk. For more information please refer to "Sail information" in the relevant Furlex manual.

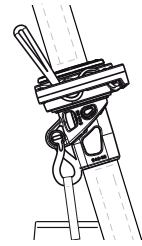


Fig. 7.3.c

Furlex 50S

Furlex 100S - 500S

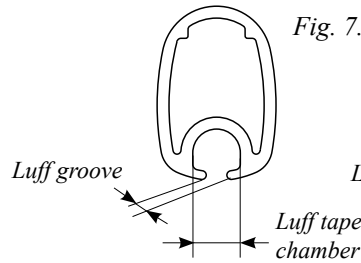


Fig. 7.2.c

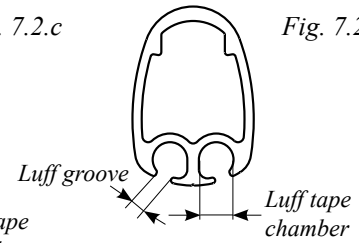


Fig. 7.2.d

Furlex Type/Serie	Section dimension	Luff groove mm	Max. space available in chamber mm	Max. luff tape mm	Cut-back CB mm	Cut-back height G mm	Maximum sail space FL-(F+E) (Measurement calculated from existing forestay length: FL).		
							F mm	E mm	F+E mm
A	26/17	3.0	Ø 6	Ø 5	60	1100	360	280	640
B	31/20	3.0	Ø 6	Ø 5	60	1100	390	340	730
C	40/27	3.0	Ø 7	Ø 6	80	1100	540	420	960
D	50/34	3.0	Ø 8	Ø 6	100	1100	620	490	1110
50S	22/15	2.6	Ø 6	Ø 5	25	630	360	215	575
100S Ø 4 & 5	26/17	3.0	Ø 6	Ø 5	60	1100	410	280	690
100S Ø 6	26/17	3.0	Ø 6	Ø 5	60	1100	425	295	720
200S	31/21	3.0	Ø 6	Ø 5	60	1100	540	330	870
300S Ø 8	39/27	3.0	Ø 7.5	Ø 6.5	80	1100	550	400	950
300S Ø 10	39/27	3.0	Ø 7.5	Ø 6.5	80	1100	650	400	1050
400S	48/34	3.0	Ø 8	Ø 6.5	95	1100	620	535	1155
500S	60/46	3.0	Ø 9	Ø 7	95	1100	670	535	1205

This data is also valid for Furlex Electric.