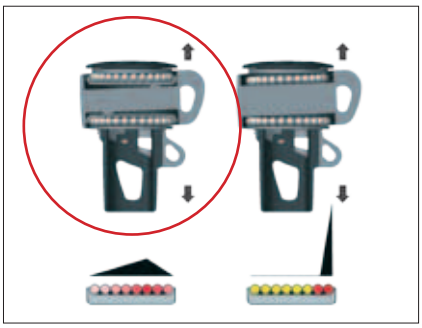
Furlex 104S-404S (Standard)

The 4th generation of an icon

The fourth generation of Furlex is an uncompromising evolution of the world's best selling jib furling and reefing system. Proven design blended with innovation is our way to maintain the iconic heritage of Furlex.

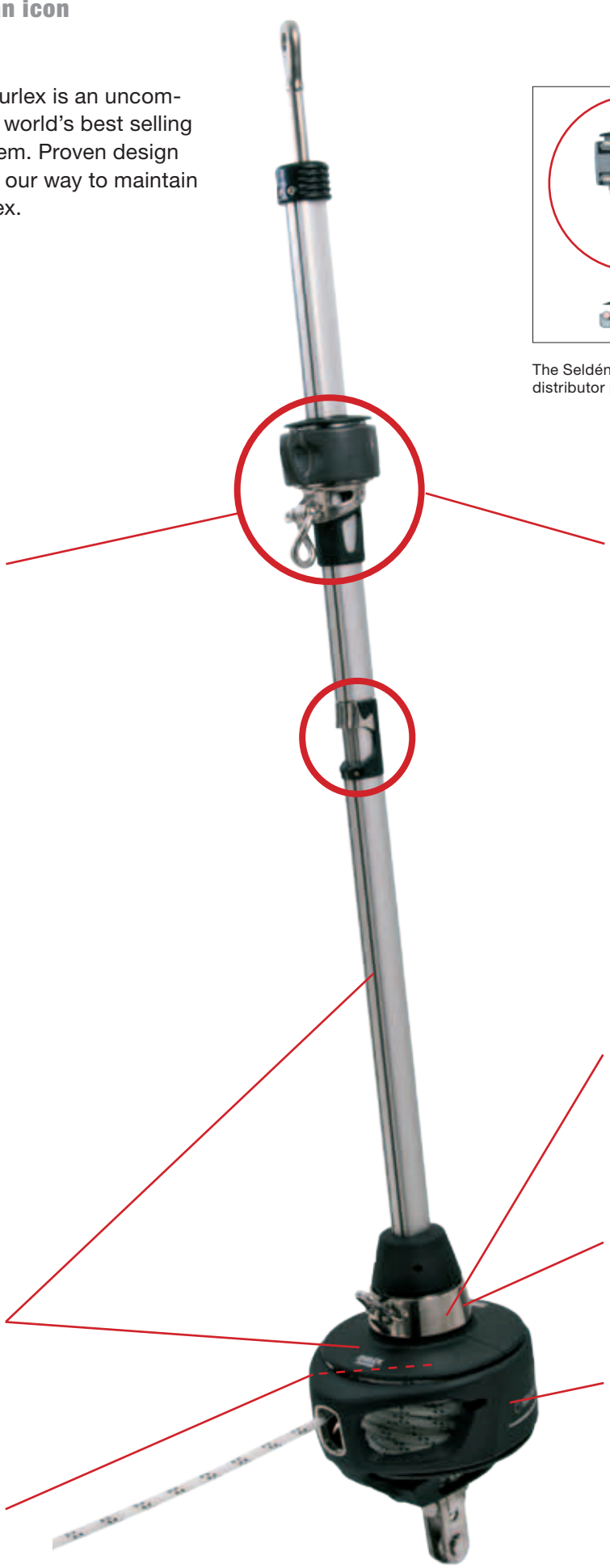


The Seldén load distributor prevents... ....point loading!

The halyard swivel for Furlex 104S and 404S features stainless ball bearings. The load is centered by the attachment of the Dyneema® lashing.

Ball bearings and ball bearing races made from marine grade stainless steel. Seldén's patented load distributor for Furlex 204S and 304S makes for low furling resistance and durability. This concept was launched in 1983 and it still performs flawlessly today.

The sail feeder is marine grade stainless steel. It is well rounded and kind to the sail.



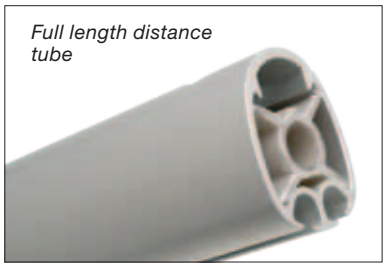
Tack swivel with a 'free-turn' and a uniform cross section of the luff extrusion make for a perfectly furled sail and effective performance even when reefed. It also reduces the effort needed to furl that first turn.

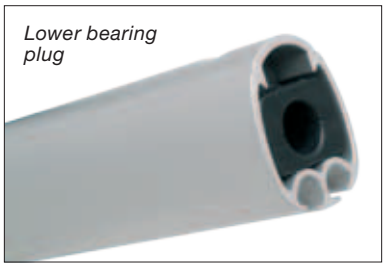
NEW The tack ring has a smaller diameter compared to previous models and the shackle is also smaller. This combination reduces the initial furling resistance.

The twin-groove luff extrusion and the split drum allow the racing sailor to convert the Furlex for racing. The cruising sailor can use the extrusion for 'wing on wing' downwind sailing with two genoas poled out to either side.

NEW Greater utilisation of modern composite material means 8% overall weight reduction which improves the sailing performance.

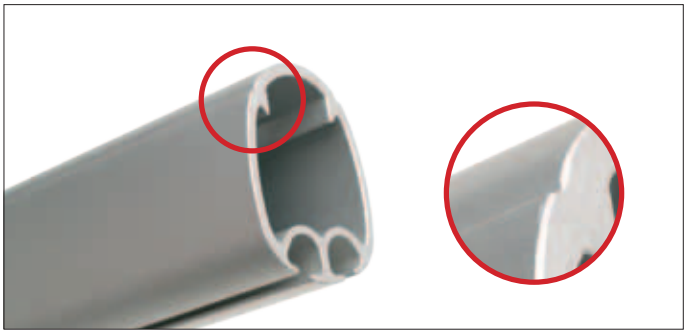
NEW Two sets of stainless ball bearings and one additional set of roller bearings for low friction and low lateral deflection.



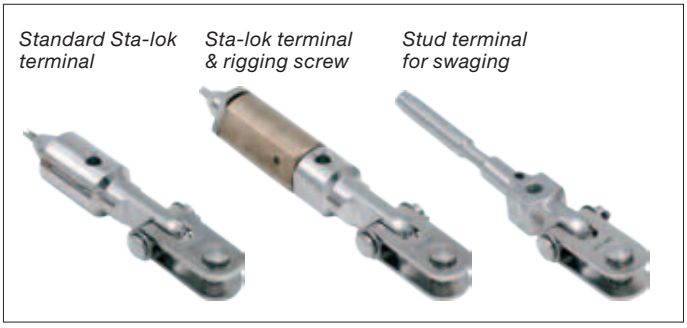


The forestay wire is centred and insulated the full length of the extrusion enabling the extrusion to rotate evenly around the wire. The furling resistance is reduced and chafe between the wire and the extrusion is eliminated.

NEW The luff extrusion consists of 2400 mm sections connected with an aluminium joining sleeve and a stainless steel connecting plate. The joining sleeve transmits the torque within the extrusions, and the connecting plates keep the sections together with a slight gap between them. This way chafe is avoided on both the extrusions and the sail.



NEW The Furlex Aero Groove system reduces drag and creates improved flow over the luff extrusion and consequently, the sail.



Similar to previous Furlex models, the standard kit requires that the wire is cut to length and fixed with a ‘Sta-lok’ mechanical wire locking system. A completely integrated rigging screw is offered as an option. It allows for adjustment of the forestay length without altering the height of the tack attachment.

NEW To simplify the final assembly at the dock, Furlex can now also be ordered with the forestay wire pre-cut to a specific length. Both ends of the wire are fitted with swaged terminals and the lower stud terminal can pass through the extrusions. This method of assembly does not include the option of an integrated rigging screw.

Furlex, as in previous generations, comes as a complete kit including all parts needed for reliable and convenient furling of the foresail. It even includes a new forestay wire, furling line, stanchion lead blocks, a halyard lead and a prefeeder. A simple purchase.

NEW If you already have a jib furler on your boat and do not need another set of stanchion blocks, halyard lead, prefeeder and Torx bits you can order a Basic kit in which these parts are excluded.

Choose the right Furlex

Complete kit.

Complete kit

Furlex	Forestay dia. Ø mm	Max. forestay length, mm	Complete kit including...		
			Standard Sta-lok terminal Art. No.	Sta-lok terminal & rigging screw Art. No.	Stud terminal for swaging Art. No.
104S	4	8100	030-020-51	030-020-61	030-020-91
		10500	030-020-52	030-020-62	030-020-92
	5	8100	030-020-53	030-020-63	030-020-93
		10500	030-020-54	030-020-64	030-020-94
		12900	030-020-55	030-020-65	030-020-95
	6	10500	030-020-56	030-020-65	030-020-96
		12900	030-020-57	030-020-67	030-020-97
204S	6	10550	035-025-51	035-025-61	035-025-91
		12950	035-025-52	035-025-62	035-025-92
		15350	035-025-53	035-025-63	035-025-93
	7	12950	035-025-54	035-025-64	035-025-94
		15350	035-025-55	035-025-65	035-025-95
		17750	035-025-56	035-025-66	035-025-96
	8	15350	035-025-57	035-025-67	035-025-97
		17750	035-025-58	035-025-68	035-025-98
304S	8	15450	042-031-51	042-031-61	042-031-91
		17850	042-031-52	042-031-62	042-031-92
	10	15480	042-031-53	042-031-63	042-031-93
		17880	042-031-54	042-031-64	042-031-94
		20280	042-031-55	042-031-65	042-031-95
404S	12	17700	052-038-51	052-038-61	052-038-91
		20100	052-038-52	052-038-62	052-038-92
		22500	052-038-53	052-038-63	052-038-93
	14	20100	052-038-54	052-038-64	052-038-94
		22500	052-038-55	052-038-65	052-038-95

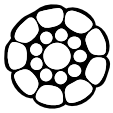
Basic kit

In the basic kit of Furlex, stanchion blocks, pre feeder, halyard lead and Torx bits have been excluded.

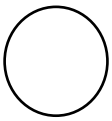
A stainless steel cover is available as an option. Art. No. 549-228-10 (204S), 549-328-10 (304S) and 549-428-10 (404S).

Furlex	Forestay dia. Ø mm	Max. forestay length, mm	Basic kit including...		
			Sta-lok terminal (Standard) Art. nr.	Sta-lok terminal & rigging screw Art. No.	Stud terminal for swaging Art. No.
104S	4	8100	030-020-510	030-020-610	030-020-910
		10500	030-020-520	030-020-620	030-020-920
	5	8100	030-020-530	030-020-630	030-020-930
		10500	030-020-540	030-020-640	030-020-940
		12900	030-020-550	030-020-650	030-020-950
	6	10500	030-020-560	030-020-660	030-020-960
		12900	030-020-570	030-020-670	030-020-970
204S	6	10550	035-025-510	035-025-610	035-025-910
		12950	035-025-520	035-025-620	035-025-920
		15350	035-025-530	035-025-630	035-025-930
	7	12950	035-025-540	035-025-640	035-025-940
		15350	035-025-550	035-025-650	035-025-950
		17750	035-025-560	035-025-660	035-025-960
	8	15350	035-025-570	035-025-670	035-025-970
		17750	035-025-580	035-025-680	035-025-980
304S	8	15450	042-031-510	042-031-610	042-031-910
		17850	042-031-520	042-031-620	042-031-920
	10	15480	042-031-530	042-031-630	042-031-930
		17880	042-031-540	042-031-640	042-031-940
		20280	042-031-550	042-031-650	042-031-950
404S	12	17700	052-038-510	052-038-610	052-038-910
		20100	052-038-520	052-038-620	052-038-920
		22500	052-038-530	052-038-630	052-038-930
	14	20100	052-038-540	052-038-640	052-038-940
		22500	052-038-550	052-038-650	052-038-950

19-strand wire



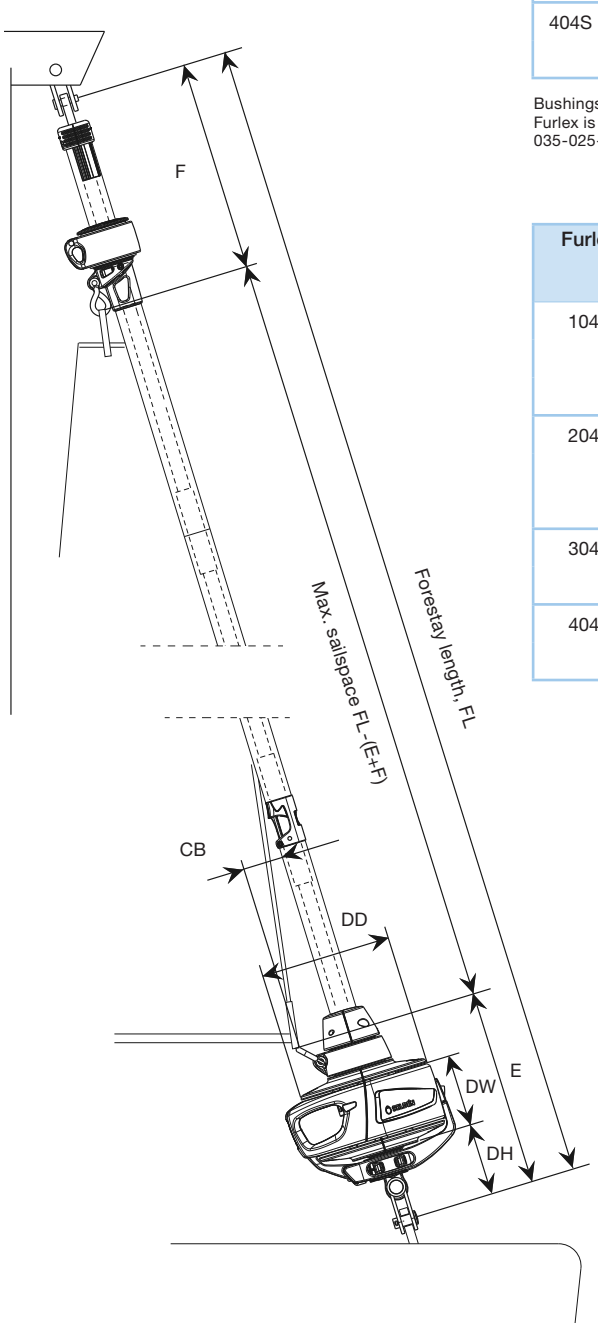
Compact wire (Dyform®)



Rod

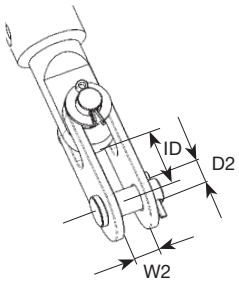
Furlex	Forestay dia. mm	Rod dia. mm	Max righting moment (kNm) at 30° heel		Approx. displacement, tonnes	
			Mastheadrigg	Partialrigg	Mastheadrigg	Partialrigg
104S	4	-	6.5	8	1.4	1.7
	5	-	10	14.5	2.1	3
	6	-	17	22	3.5	4
204S	6	-8 (5.7)	19	23	3.9	4.5
	7	-10 (6.4)	27	34	5.5	7
	8	-12 (7.1)	37	45	7.5	9
		-15 (7.5)				
304S	8	-12 (7.1)	40	50	8	10
		-15 (7.5)				
	10	-17 (8.4)	70	80	14	15
		-22 (9.5)				
404S	12	-30 (11.1)	120	160	20	26
	14	-40 (12.7)				

Bushings for Navtec, BSI and OYS rods are available from Seldén. See page 97.
Furlex is available with compact wire. Just add "C" to the article number, for example 035-025-51C.

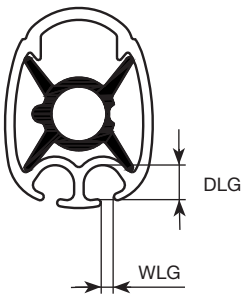


Furlex	Forestay dia. mm	DH mm	DW mm	DD mm	CB mm	E mm	F mm	ID mm	W2 mm	D2 Clevis pin	Forestay adjustment dia., mm
104S	4	85	65	155	60	205	410	17	8.5	8	60
	5	90	65	155	60	205	410	19	11	10	60
	6	100	65	155	60	220	425	24	11	10	60
204S	6	115	90	185	60	265	425	24	11	10	60
	7	115	90	185	60	265	425	24	12.5	12	60
	8	115	90	185	60	275	425	31	15.5	14	60
304S	8	125	105	220	60	310	430	31	15.5	14	80
	10	125	105	220	60	315	530	34	16	16	80
404S	12	170	135	205	80	390	630	40	21	19	100
	14	188	135	205	80	410	630	50	23	22	100

Furlex	Internal diameter of luff groove (DLG), Ø mm	Width of luff groove (WLG), mm
104S	6.5	2.75
204S	6.0	3.0
304S	7.0	3.0
404S	8.0	3.0

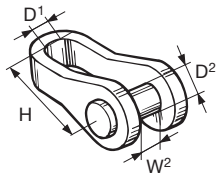


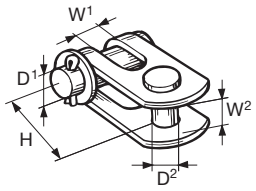
Furlex standard toggle.

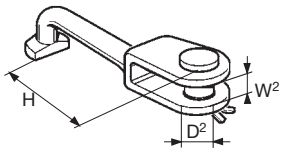


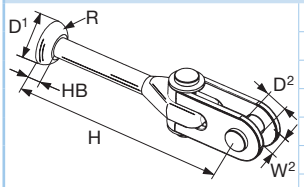

SELDÉN

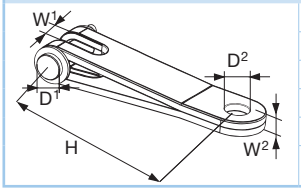
Toggles

Eye/fork toggle	Forestay dia., mm	Art. No.	Length H mm	Ø Clevis pin D^2 mm	Fork width W^2 mm	Ø Eye D^1 mm	For rigging screw diam	
	3	174-101-01	21	6.5	7	7	1/4"	
	3, 4	174-102-01	26	8	8	8	5/16"	
	5	174-103-01	33	9.5	10	10	3/8"	
	6	174-104-01	39	11	12	12	7/16"	
	7	174-105-01	43.5	13	14	14	1/2"	
	8	174-106-01	49.5	15.8	16	16	5/8"	
	10	174-107-01	65	15.8	22	16	3/4"	
		174-132-01	65	19	22	16	3/4"	
	12	174-125-01	95	19	22	20	7/8"	
		174-134-01	91	19	22	22.5	7/8"	
	14	174-133-01	95	22	22	23	7/8"	
		174-135-01	91	22	22	23	7/8"	
Can be used to lengthen a Furlex system. Fit it underneath the standard fork/fork toggle or at the top end of the Furlex wire.	16	174-126-01	120	22	25	23	M24	

Standard Furlex fork/fork toggle	Forestay dia., mm	Art. No.	Length H mm	Ø Clevis pin D^1 mm	Ø Clevis pin D^2 mm	Fork width W^1 mm	Fork width W^2 mm	
	4	517-056-02	25	8	8	7.5	8.5	
	5	517-054-02	30	10	10	10	11	
	6	517-046-02	40	12	10	11	11	
	7	517-047-02	40	12	12	11	12.5	
	8	517-048-02	50	14	14	14	12.5	
	10	517-060-04	55	16	16	14	16	
	12	517-052-02	65	19	19	20.5	21	
	14	517-053-02	80	22	22	20.5	23	
	16	517-074-02	85	25	22	22	26	

T/fork toggle	Forestay dia., mm	Art. No.	Length H mm	Ø Clevis pin D^2 mm	Fork width W^2 mm			
	4	174-127-01	68	8	8			
	5	174-128-01	80	9.5	10			
	6	174-122-01	93	11	12			
	7	174-123-01	100	13	14			
	8	174-124-01	112	15.8	16			
Needed to connect the Furlex to a Seldén backing plate for T-terminals.								

Stemball/eye toggle with fork/fork toggle	Forestay dia., mm	Art. No.	Length H mm	Ø Clevis pin D^2 mm	Fork width W^2 mm	Height HB mm	Radius R mm	Ø Stemball D^1 mm
	5	517-065-01	138	10	11	8.5	10	26
	6	517-066-01	152	10	11	8	10	26
	7	517-067-01	157	12	12.5	9	15	34
	7	517-097-01	153	12	12.5	11	13	26
	8	517-068-01	197	14	15.5	9	15	34
	10	517-068-02	202	16	16	9	15	34
	12	517-069-01	226	19	21	8.5	15	34
Needed when fitting Furlex to some masts of other origin than Seldén.								

Eye/fork extension link*	Forestay dia., mm	Art. No.	Length H mm	Ø Clevis pin D^1 mm	Fork width W^1 mm	Ø Eye D^2 mm	Gauge W^2 mm	
	6	517-063-01	90	12	11	12	6	
	7	517-063-01	90	12	11	12	6	
	8	517-062-01	130	16	14	16.5	10	
	10	517-062-01	130	16	14	16.5	10	
	12	517-075-01	190	19	20.5	20	12	
	14	517-076-01	190	22	20.5	22.5	16	

* If the boat is fitted with a bow anchor, it may be necessary to permanently raise the lower bearing assembly for anchor clearance. A selection of extension links are available. If the lower bearing assembly is raised by means of an extension link, a Furlex fork/fork toggle, should be fitted between the link and the forestay attachment. This in order to secure proper articulation in all directions.

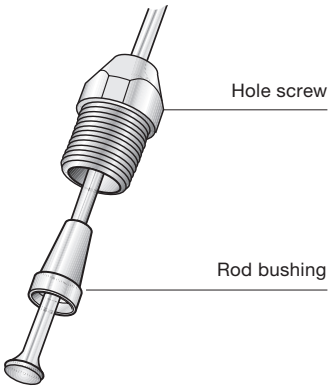
Bush packs and join sleeve kits

Bush packs for Navtec, BSI and OYS rods are available from Seldén. Your rod rig manufacturer will supply the rod forestay and upper terminal parts, slide on rod bushing and hole screw, and form your rod heads. In some cases, the rod rig manufacturer also needs to slide on the join sleeves before forming the rod heads.

Bush packs include a bushing and a hole screw. Always needed for rod installation.

Join sleeve kits are only needed for some combinations.

Rod	Diameter mm	Type of Furlex	Bush pack	Join sleeve kit
Navtec -8	5.7	204S	301-407-42	-
Navtec -10	6.4	204S	301-408-42	-
Navtec -12	7.1	204S/304S	301-409-42	-
Navtec -17	8.4	304S	301-413-42	-
Navtec -22	9.5	304S	301-410-42	-
Navtec -30	11.1	404S	301-411-42	549-434-01
Navtec -40	12.7	404S	301-412-42	549-434-01
OYS R-8	5.7	204S	301-401-42	-
OYS R-10	6.4	204S	301-402-42	-
OYS R-15	7.5	204S	301-403-42	549-234-01
		304S	301-403-42	549-334-01
OYS R-17	8.4	304S	301-423-42	549-334-01
OYS R-22	9.5	304S	301-404-42	549-334-01
OYS R-30	11.1	404S	301-405-42	549-434-01
OYS R-40	12.7	404S	301-406-42	549-434-01
BSI -8	5.7	204S	301-418-42	-
BSI -10	6.4	204S	301-419-42	-
BSI -12	7.1	204S/304S	301-415-42	-
BSI -15	7.5	204S/304S	301-420-42	-
BSI -17	8.4	304S	301-417-42	-
BSI -22	9.5	304S	301-721-42	549-334-01
BSI -30	11.1	404S	301-422-42	549-434-01
BSI -40	12.7	404S	301-416-42	549-434-01



All Furlex systems include slotted distance tubes to be snapped on to the headed rod.

For more information on installations of Furlex for rod forestay, see instruction of assembly Art. No. 597-180-E, www. seldenmast.com.