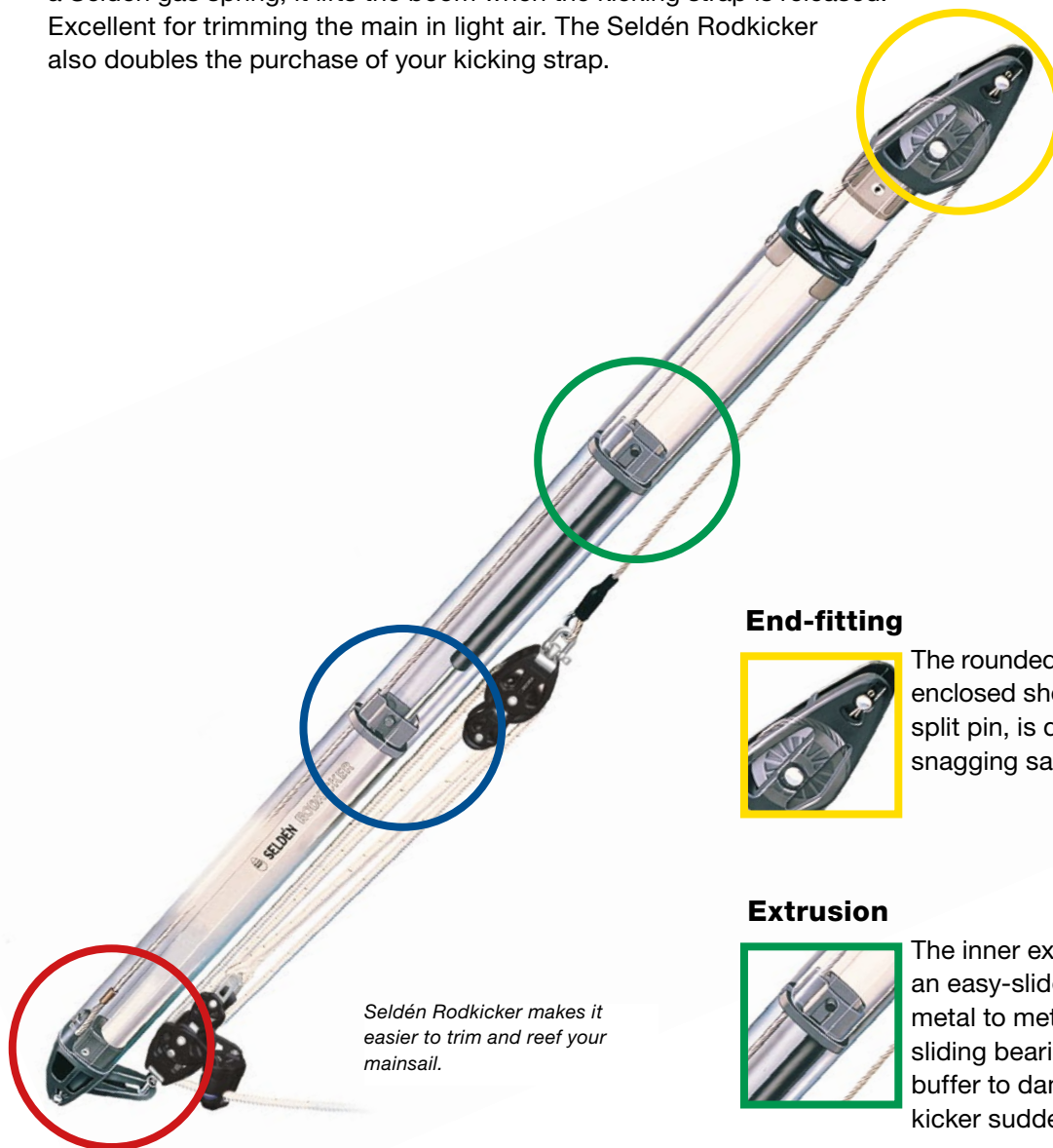


Rodkicker rigid vang

A Seldén Rodkicker facilitates sail handling when reefing, preventing the boom from dropping into the cockpit or onto the coach roof. When fitted with a Seldén gas spring, it lifts the boom when the kicking strap is released. Excellent for trimming the main in light air. The Seldén Rodkicker also doubles the purchase of your kicking strap.



Seldén Rodkicker makes it easier to trim and reef your mainsail.

End-fitting



The rounded end-fitting, with enclosed sheave and recessed split pin, is designed to avoid snagging sails or crew.

Extrusion



The inner extrusion end plug acts as an easy-slide bushing and prevents metal to metal contact. The upper sliding bearing also acts as an elastic buffer to dampen the shock if the kicker suddenly bottoms.

Easily installed, easily operated



The extended block attachment lug allows the block to turn, enabling the tackle to be operated from either port or starboard. The Rodkicker is supplied with detailed instructions and is easily fitted.

If a Rodkicker is retrofitted to an existing rig, the original kicking strap tackle can still be used. Seldén Rodkickers are made of anodised aluminium and are carefully tested to meet stringent quality and performance standards.

Gas spring



The Rodkicker can be supplied with an optional integral gas spring. This lifts the boom when the kicking strap is released, opening the leech of the sail. A Rodkicker with a gas spring replaces the topping lift, making reefing fast and simple. The gas spring is easily retrofitted to a Rodkicker that does not have a spring. For spare gas springs, see page 73.



Operation from mast.

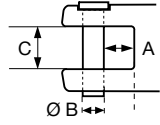


Operation from cockpit.

Choosing the right size

The choice is based mainly on the righting moment of the yacht, a measure of its ability to carry sail. This is approximately proportional to displacement. The second input is the rig type (masthead or fractional). The table below shows the correct type for monohulls.

Gas springs are available in a range of strengths, to cover variations in boom weight (including the stowed sail) and the Rodkicker angle. The angle varies with gooseneck height and kicker length. If in doubt, ask your dealer for more information.

			Type 05	Type 10		Type 20		Type 30	
	Max. righting moment:	frac. rig masthead rig	12.5 kNm 15.0 kNm	25 kNm 35 kNm		50 kNm 70 kNm		120 kNm 160 kNm	
	Max. displacement:	frac. rig masthead rig	2.5 tonnes 3.9 tonnes	5 tonnes 6 tonnes		9 tonnes 11 tonnes		20 tonnes 25 tonnes	
	Current Seldén boom section Previous Seldén/Kemp boom section		B087-B120 86/59-111/75	B087-B152 86/59-111/75, 128/90		B171-B200 150/105-189/132, 206/139		B200-B250	
	Height of boom (XBH)		< 900 mm	≤ 1100 mm	> 1100 mm	≤ 1400 mm	> 1400 mm	≤ 1800 mm	> 1800 mm
	Type of Rodkicker		05 Standard	10 Standard	10 Long	20 Standard	20 Long	30 Standard	30 Long
	Min. length (L)		1150 mm	1360 mm	1670 mm	1720 mm	2260 mm	2200 mm	2700 mm
	Without gas spring*	Art. No.	058-036-05	058-036-10	058-036-13	076-046-10	076-046-13	094-056-10	094-056-13
	With gas spring (normal)*	Art. No. Spring force =	058-036-06 0.7 kN	058-036-11 0.6 kN	058-036-14 0.6 kN	076-046-11 1.2 kN	076-046-14 1.2 kN	094-056-11 2.5 kN	094-056-14 2.5 kN
	With gas spring (hard)*	Art. No. Spring force =	-	058-036-12 1.2 kN	058-036-15 1.2 kN	076-046-12 2.5 kN	076-046-15 2.5 kN	094-056-12 5 kN	094-056-15 5 kN
	With gas spring (extra hard)*	Art. No. Spring force =	-	058-036-16 2.5 kN	058-036-17 2.5 kN	076-046-16 5 kN	076-046-17 5 kN	-	-
	Safe working load		8 kN	12 kN		18 kN		38 kN	
	Supplementary kit with normal gas spring	Art. No. Spring force =	308-038-03 0.7 kN 308-038 (gas spring only)	308-070-03 0.6 kN 308-070 (gas spring only)		308-071-03 1.2 kN 308-071 (gas spring only)		308-072-03 2.5 kN 308-072 (gas spring only)	
	Supplementary kit with hard gas spring	Art. No. Spring force =	-	308-071-04 1.2 kN 308-071 (gas spring only)		308-072-04 2.5 kN 308-072 (gas spring only)		308-073-04 5 kN 308-073 (gas spring only)	
	Supplementary kit with extra hard gas spring		-	308-072-05 2.5 kN 308-072 (gas spring only)		308-073-05 5 kN 308-073 (gas spring only)		-	
	Lower fitting	Upper fitting	Lower fitting A = 9, Ø B = 10, C = 20 Clevis pin 165-207 Upper fitting S = 7, Ø T = 10, W = 12 Clevis pin 165-205	Lower fitting A = 9, Ø B = 10, C = 20 Clevis pin 165-207 Upper fitting S = 7, Ø T = 10, W = 12 Clevis pin 165-205		Lower fitting A = 11, Ø B = 12, C = 20 Clevis pin 165-404 Upper fitting S = 12, Ø T = 12, W = 14 Clevis pin 165-409		Lower fitting A = 14, Ø B = 16, C = 30 Clevis pin 165-556 Upper fitting S = 11, Ø T = 16, W = 16 Clevis pin 165-555	

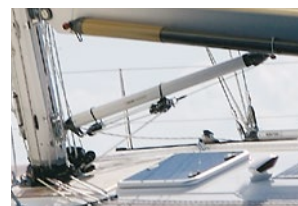
* Kicking strap tackle not included.

Gas spring, conventional mast

Boom section 86/59	B087	B104	B120	B120	B135	143/76	B152 B153	B171 B172	B199 B200	B199 B200	B250
Weight, kg/m	2	1.75	2.0	2.5	2.5	2.9	3.3	4.0	4.6	6	7.5
Circ., mm	240	240	300	330	330	370	390	420	460	550	680
XBH, mm				Maximum E* normal spring/hard spring/extra hard spring							
Rodkicker	Type 05				Type 10 (S/L)				Type 20 (S/L)		Type 30 (S/L)
600	3.4	3.6	3.4	3.1	3.0/4.0/5.4 (S)	2.6/3.6/4.9 (S)	2.4/3.3/4.6 (S)				
700	3.7	3.8	3.7	3.4	3.3/4.4/- (S)	2.8/3.9/5.3 (S)	2.7/3.6/5.0 (S)				
800	3.9	4.0	3.8	3.6	3.4/4.6/- (S)	3.0/4.2/5.7 (S)	2.9/3.6/5.4 (S)	2.7/3.7/5.1 (S)	3.4/4.7/- (S)		
900	4.0	4.1	4.0	3.8	3.6/4.8/- (S)	3.2/4.4/- (S)	3.1/4.1/5.7 (S)	2.9/3.9/5.3 (S)	3.6/5.1/- (S)	-4.4/6.0 (S)	4.4/5.9 (S)
1000					3.7/5.0/- (S)	3.4/4.5/- (S)	3.2/4.3/5.9 (S)	3.0/4.1/5.5 (S)	3.8/5.3/- (S)	3.3/4.7/6.3 (S)	4.7/6.3 (S)
1100					3.9/5.2/- (S)	3.5/4.7/- (S)	3.4/4.6/6.2 (S)	3.1/4.3/5.9 (S)	4.0/5.5/- (S)	3.5/4.9/6.6 (S)	5.0/6.7 (S)
1200					4.0/5.4/- (L)	3.7/4.9/- (L)	3.5/4.7/6.4 (L)	3.2/4.4/6.0 (L)	4.2/5.7/- (S)	3.7/5.2/6.9 (S)	5.2/7.0 (S)
1300					4.2/- (L)	3.7/5.0/- (L)	3.6/4.8/6.5 (L)	3.3/4.5/6.2 (L)	4.3/5.8/- (S)	3.8/5.3/7.1 (S)	5.4/7.2 (S)
1400							3.6/4.9/6.6 (L)	3.4/4.6/6.3 (L)	4.4/6.0/- (S)	3.9/5.4/7.3 (S)	5.6/7.4 (S)
1500									4.6/6.3/- (L)	4.0/5.5/7.4 (S)	5.7/7.7 (S)
1600									4.7/6.4/- (L)	4.3/5.9/7.9 (L)	5.9/7.8 (S)
1700										4.3/6.0/8.0 (L)	6.0/8.0 (S)
1800											6.2/8.3 (L)
1900											5.8/7.8 (L)
2000											5.9/8.0 (L)



Rodkicker Type 05.



Gas spring, furling mast

Boom section	B120	B120	B135	143/76	B152 B153	B171 B172	B199 B200	B199 B200	B250
Weight, kg/m	2.5	2.5	2.9	3.3	4	4.6	6	6	7.5
Circ., mm	330	330	370	390	420	460	550	550	680
XBH, mm				Maximum E* normal spring/hard spring/extra hard spring					
Rodkicker	Type 05	Type 10 (S/L)				Type 20 (S/L)		Type 30 (S/L)	
600	3.5	3.3/4.5/- (S)	2.8/4.0/- (S)	2.3/3.4/5.0 (S)					
700	4.0	3.7/5.4/- (S)	3.2/4.5/- (S)	2.7/3.9/5.7 (S)	2.5/3.6/5.3 (S)				
800	4.3	4.0/5.8/- (S)	3.5/5.0/- (S)	3.0/4.3/6.4 (S)	2.8/4.0/5.8 (S)	3.6/5.2/- (S)			
900		4.3/5.9/- (S)	3.7/5.3/- (S)	3.3/4.7/6.9 (S)	3.0/4.4/6.3 (S)	3.9/5.7/- (S)	-4.6/6.6 (S)	4.4/6.3 (S)	3.8/5.4 (S)
1000		4.5/- (S)	3.9/5.5/- (S)	3.5/5.0/- (S)	3.2/4.7/- (S)	4.2/6.2/- (S)	-5.1/7.3 (S)	4.9/7.0 (S)**	4.2/6.0 (S)
1100		4.7/- (S)	4.1/5.9/- (S)	3.7/5.4/- (S)	3.4/4.9/- (S)	4.5/6.6/- (S)	-5.5/7.9 (S)	5.4/7.6 (S)	4.6/6.6 (S)
1200		5.0/- (L)	4.2/- (L)	3.9/5.6/- (L)	3.6/5.2/- (L)	4.7/6.8/- (S)	3.9/5.8/8.4 (S)	5.8/8.2 (S)	4.9/7.1 (S)
1300		5.2/- (L)	4.3/- (L)	4.0/5.8/- (L)	3.7/5.3/- (L)	4.9/7.1/- (S)	4.1/6.1/8.7 (S)	6.1/8.7 (S)	5.2/7.5 (S)
1400				4.1/5.9/- (L)	3.8/5.4/- (L)	5.0/7.3/- (S)	4.3/6.3/9.0 (S)	6.4/9.2 (S)	5.5/7.9 (S)
1500						5.3/- (L)	4.4/5.6/9.3 (S)	6.7/- (S)	5.8/8.2 (S)
1600						5.4/- (L)	4.7/6.9/- (L)	6.9/- (S)	5.9/8.5 (S)
1700							4.9/7.1/- (L)	7.1/- (S)	6.2/8.8 (S)
1800								7.4/- (S)	6.3/9.0 (S)
1900								7.6/- (L)	6.6/9.4 (L)
2000									6.7/9.6 (L)

S = Standard L = Long XBH: See page 69.

Circ. = Circumference (lists extend beyond the Seldén boom range, to allow selection of the correct Rodkicker for other booms).

* The maximum E (sail foot length). ** Boom slider 511-599-01 required.

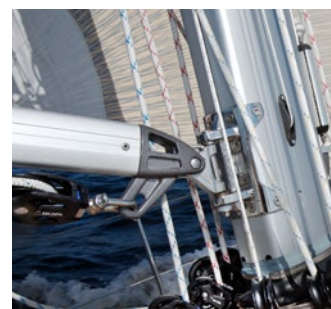
Rodkicker brackets



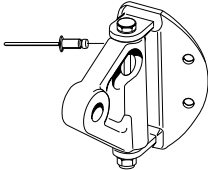
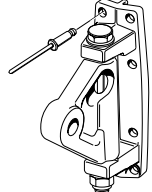
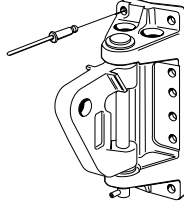
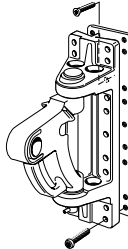
Rodkicker mast brackets, C-sections and F-sections

	Mast section	Boom section	Rodkicker brackets Type 05, 10 & 20 Art. No.	Rodkicker Type 30	Bracket dimensions	Fasteners Art. No.
	C137-C175	B087-B104	508-788-12 Toggle (AL): Width: 20 mm Hole: Ø 10 mm		Height: 130 mm Width: 55 mm	10 pop rivets 167-006
	F176-F194 C137-C193	B120-B172	508-231-12 Toggle (AL): Width: 20 mm Hole: Ø 12,5 mm		Height: 160 mm Width: 61 mm	12 pop rivets 167-002
	C211-C245	B120-B200	508-257-12 Toggle (AL): Width: 20 mm Hole: Ø 12,5 mm	508-257-14 Toggle (ST): Width: 30 mm Hole: Ø 16,5 mm	Height: 174 mm Width: 71 mm	
	F212-F246	B120-B200	508-257-22 Toggle (ST): Width: 20 mm Hole: Ø 12,5 mm	508-257-24 Toggle (ST): Width: 30 mm Hole: Ø 16,5 mm		
	C264-C304	B171-B250	508-233-12 Toggle (ST): Width: 15 mm Hole: Ø 16,5 mm		Height: 242 mm Width: 81 mm	12 screws 155-621 (MRT 6 x 20, in backing plate)
	F265-F305	B171-B250	508-233-22 Toggle (ST): Width: 15 mm Hole: Ø 16,5 mm			12 screws 155-622 (MRT 6 x 25, in backing plate + 2 pop rivets 167-008)
	F265-F305	B200-B250		508-233-24 Toggle (ST): Width: 30 mm Hole: Ø 16,5 mm		
	C264-C304	B200-B250		508-233-14 Toggle (ST): Width: 30 mm Hole: Ø 16,5 mm		12 screws 155-621 (MRT 6 x 20, in backing plate)

AL = Aluminium ST = Stainless steel

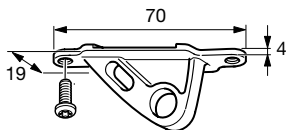
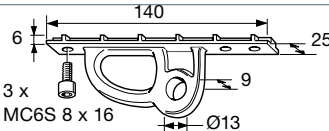
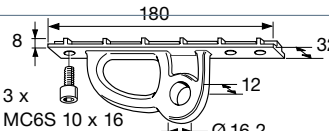
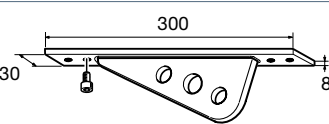
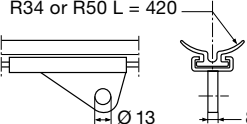
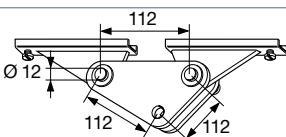


Rodkicker mast brackets, E-sections, D-sections and R-sections

Fitting	Mast section	Kicker brackets (incl. fasteners) Art. No.	Dimensions mm	Boom section	Rodkicker Type	Fasteners Art. No.	Fasteners dia. x length mm
	For pear shaped mast sections	508-052-03	Bracket Height: 80 Width: 63 Back angle: 45° Toggle Width: 20 Hole: Ø 10.5	86/59	05	4 pop rivets	6.4 x 12.7
				85/58	10	167-004	
	D109, D121, D129, D137, D146, D160 E122, E130, E138, E155, E170,	508-040-03	Bracket Height: 138 Width: 44 Back angle: 10° Toggle Width: 20 Hole: Ø 10,5	B120 111/75 128/90	05 10	8 pop rivets 167-002	6.4 x 17.8
	E-sections from E170	508-168-62	Bracket Height: 179 Width: 63 Back angle: 10° Toggle Width: 20 Hole: Ø 12,5	143/76 B171 B172	10 20	12 pop rivets 167-002	6.4 x 17,8
	R190, R213, R235	508-168-32			10 20	12 pop rivets 167-0002	6.4 x 17.8
	R232, R260	508-151-12			10 20	10 pop rivets 167-002 + backing plate	6.4 x 17,8
	E-sections from E189	508-152-12	Bracket Height: 275 Width: 70 Back angle: 10° Toggle Width: 30 Hole: Ø 16.5	B199 B200	30	18 pop rivets 167-027	6.4 x 25
		508-152-32		B250	30	18 screws 155-803 + 2 screws 162-024	MRT 6 x 50 +MFT 6 x 40 + backing plate
	R-section	508-153-32		B199 B200 B250	30	10 screws 155-802 + 9 x 155-622 + 6 x 162-032 + backing plate	MRT 6 x 30 + MRT 6 x 25 + MFT 6 x 25



Rodkicker boom brackets

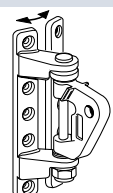
Description, mm	Art. No.	Boom section	Rodkicker Type
	511-643-01	B087, B104	05 10
	511-800-01	B120, 111/75 B135, 128/90 143/76, 150/105 B152, 162/125 B171, B172, B190	05 10 20
	511-801-01	B199 B200, B230 B250	30
	511-599-01	B300 B290	30
	Slider 511-513-01 Track 515-504-05 (Radius 34) 515-501-03 (Radius 50)		10
	Slider 511-513-02 Track 515-501-04 (Radius 50)		20

Universal boom brackets

	Art. No.	Dimensions mm	Rod-kicker Type	Fasteners
	508-403-01	Length: 250 Width: 9	10 20	6 screws included
	508-403-02	Hole: Ø 13		6 pop rivets included

Please visit: www.seldenmast.com for assembly instructions.

Universal mast brackets

	Art. No.	Dimensions mm	Rod-kicker Type	Fasteners
	508-237-01	Bracket Height: 185	10 20	No fasteners incl.
	508-237-02	Toggle Width: 20		10 screws included
	508-237-03	Hole: Ø 12.5		10 pop rivets incl.