

Booms with a strong profile

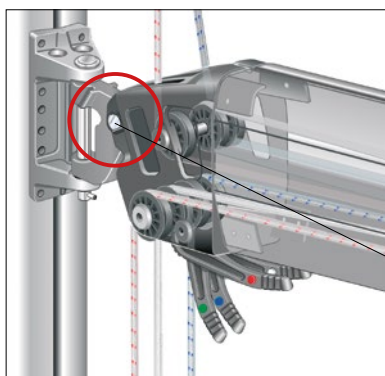
Seldén booms have a wealth of sophisticated features and can be equipped with a variety of reefing systems to suit different boats and the needs of different sailors. The booms can be fitted for traditional slab reefing or Single Line Reef, or be used for furling masts. The boom extrusions are relatively deep in relation to their width, allowing a lighter extrusion with high resistance to vertical bending. This makes them perfect for use with modern, stiff sailcloth and efficient Rodkicker rigid vang.

Inboard end

The inboard end fitting contains sheaves for reef lines and outhaul. Spring loaded rope stoppers can be fitted to the inboard end as option. Every stopper is colour-coded to match the relevant line. The clevis pin connecting the inboard end to the boom toggle has a D-shaped head in order to prevent rotation.

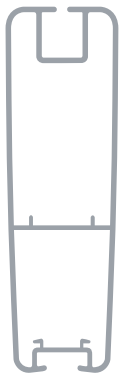
A perfect end

The boom end is gently rounded. It is fastened with screws and is open at the back to facilitate maintenance and line replacement. It comes with a cast preventer bracket, a topping lift eye and numbered line compartments.



D-shaped head of clevis pin.
See spare parts list for details.

| | Boom section | Dim., mm height/widht | I_y cm ⁴ | I_x cm ⁴ | Wall thickness mm | Weight kg/m | W_y min cm ³ | W_x min cm ³ | Sail groove mm |
|--|--------------|-----------------------|-----------------------|-----------------------|-------------------|-------------|---------------------------|---------------------------|----------------|
| | B087 | 86/60 | 60.2 | 27.7 | 2.0 | 1.55 | 13.4 | 9.3 | 5.5 ± 0.6 |
| | B104 | 104/60 | 97.5 | 33.6 | 2.0 | 1.71 | 18.5 | 11.2 | 5.5 ± 0.6 |
| | B120 | 120/62 | 155 | 42.5 | 1.8 | 2.12 | 24.8 | 13.7 | 5.5 ± 0.75 |
| | B135 | 135/71 | 265 | 70 | 2.0-2.8 | 2.66 | 39 | 19.5 | 5.8 ± 0.75 |
| | B153 | 153/86 | 438 | 132 | 2.5-2.9 | 3.60 | 55.2 | 30.8 | 10 ± 0.75 |
| | B172 | 171/98 | 720 | 219 | 2.3-3.2 | 4.66 | 81.5 | 44.7 | 10 ± 0.75 |
| | B199 | 199/122 | 1257 | 407 | 3.1 | 5.90 | 124.6 | 67.00 | 10 ± 0.75 |
| | B250 | 250/140 | 2706 | 692 | 3.2 | 7.95 | 200.1 | 101.3 | 6.25 ± 0.75 |
| | B290 | 290/155 | 5209 | 1524 | 4.1 | 11.50 | 339 | 196 | 10.25 ± 0.75 |
| | B380 | 380/186 | 12030 | 3283 | 4.5-9.0 | 17.80 | 586 | 353 | No groove |



Seldén racing booms

Developed jointly with sailors and designers in the World Match Racing Tour. Deep boom profile for maximum vertical stiffness. This retains sail trim, even at very high kicker and sheet loads.

| | Boom section | Dim., mm height/width | I_y cm ⁴ | I_x cm ⁴ | Wall thickness mm | Weight kg/m | $W_{y^{min}}$ cm ³ | $W_{x^{min}}$ cm ³ | Sail groove mm |
|--|--------------|-----------------------|--------------------------|--------------------------|-------------------|-------------|----------------------------------|----------------------------------|----------------|
| | B190 | 190/60 | 723 | 94 | 2.5-3.5 | 4.86 | 74 | 31 | 5.5±0.75 |
| | B230 | 230/70 | 1399 | 176 | 2.7-3.6 | 6.53 | 117.8 | 50.5 | 6.25±0.75 |

Reefing systems

Traditional slab reef

This is a simple and efficient reefing system. The reef cringle on the luff is hooked on to fixed hooks at the inboard end. The leech is reefed down with a line running to a winch at the mast. Stoppers at the inboard end allow the same winch to be used with any line on the boom. Lines not in use are kept clear of the winch by a lineguide. Alternatively, the line can lead aft to a cockpit winch.

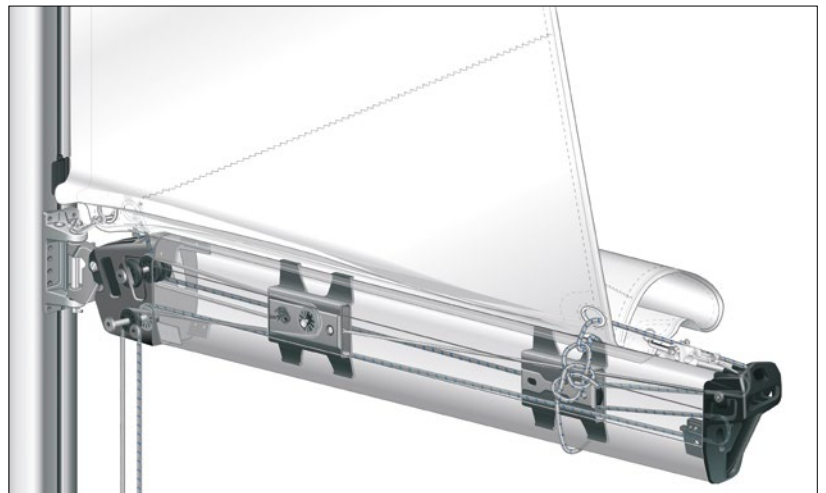
The boom can also be equipped for slab reefing with hooks on lines. This system is suitable for larger yachts where it can be difficult to hook the reef cringle to a fixed hook in heavy winds.

S-Hooks for slab reef or Cunningham

| Art. No. | Diameter, mm | Ultimate load, N |
|----------|--------------|------------------|
| 307-407 | 6 | 5000 |
| 307-408 | 8 | 6500 |
| 307-410 | 10 | 9500 |

Instant reefing with Single Line Reef

Single Line Reef is a familiar concept, but made practical and reliable by Seldén. All you do is ease off the halyard to premarked reefing points and then haul in on the reefing line. The luff and the leech are reefed at the same time. A system of guided blocks inside the boom ensures that the lines do not tangle. The system has a 2:1 gear ratio, making reefing fast and simple, without having to leave the cockpit.



Single Line Reef. Pulls down luff and leech at the same time. Operated from the safety of the cockpit.

Seldén furling mast

When used with a furling mast, the booms are fitted with low friction outhaul cars. The cars are equipped with horizontal and vertical wheels, enabling them to absorb forces from every direction.



Boom fitted with outhaul car for Seldén furling mast.

Single Line Reef



Release the Rodkicker.



Slacken the mainsheet.



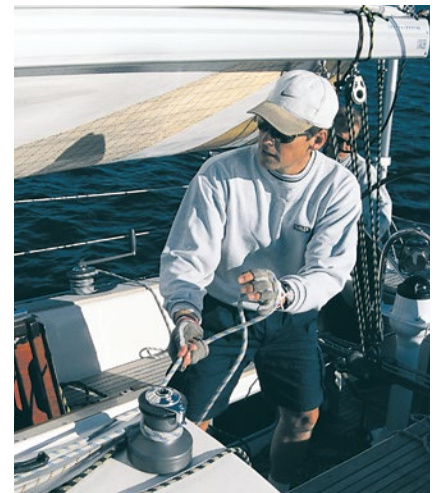
Ease off the main halyard to premarked reefing points.



Tension the reef line up to the marked position on the line.



*The reef is in.
Remove any slack in other reefs.*



If necessary, apply more main halyard tension.



Adjust the mainsheet.



Adjust the Rodkicker.

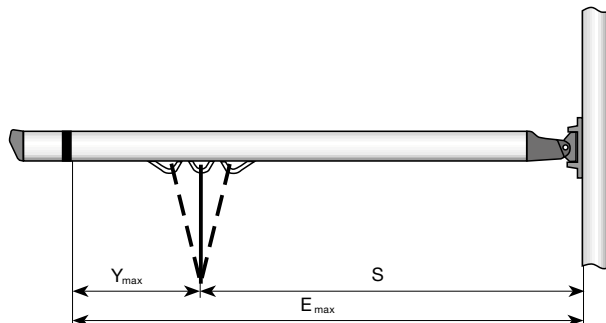


It's as simple as that!

Boom sections choice

To select the correct boom section, you will need to know the sail foot length (E) and righting moment (RM). If the RM is not known, displacement is an alternative.

The E and Y measurements must also be known for dimensioning purposes. The length of the boom is sometimes determined by other factors than E and therefore we need the S measurement as well. A good example is when the boom extrusion needs an over-length to allow the main sheet to pass a sprayhood.



Masthead rigs, E_{max} and Y_{max} (m)

| Section | RM 30 kNm | Displ. tonnes | B087 | | B104 | | B120 | | B135 | | B153 | | B172 | | B199 | | B250 | | B290 | | B380 | | |
|---------|--------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|
| | | | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | |
| 6 | 1.2 | | 3.3 | 1.7 | 4.0 | 1.8 | 4.2 | 2.1 | | | | | | | | | | | | | | | |
| 8 | 1.6 | | 3.3 | 1.4 | 4.0 | 1.6 | 4.2 | 1.8 | 4.6 | 2.5 | | | | | | | | | | | | | |
| 10 | 2.0 | | 3.3 | 1.3 | 4.0 | 1.4 | 4.2 | 1.6 | 4.6 | 2.2 | | | | | | | | | | | | | |
| 12 | 2.4 | | 2.9 | 1.2 | 4.0 | 1.3 | 4.2 | 1.5 | 4.6 | 2.0 | 5.1 | 3.1 | | | | | | | | | | | |
| 14 | 2.8 | | 2.6 | 1.1 | 3.5 | 1.2 | 4.2 | 1.4 | 4.6 | 1.9 | 5.1 | 2.8 | | | | | | | | | | | |
| 16 | 3.2 | | | | 3.2 | 1.1 | 4.2 | 1.3 | 4.6 | 1.8 | 5.1 | 2.7 | 6.1 | 3.7 | | | | | | | | | |
| 18 | 3.6 | | | | 3.0 | 1.1 | 4.1 | 1.2 | 4.6 | 1.7 | 5.1 | 2.5 | 6.1 | 3.5 | | | | | | | | | |
| 20 | 4.0 | | | | 2.8 | 1.0 | 3.8 | 1.1 | 4.6 | 1.6 | 5.1 | 2.4 | 6.1 | 3.3 | | | | | | | | | |
| 25 | 5.0 | | | | 2.4 | 0.9 | 3.3 | 1.0 | 4.6 | 1.4 | 5.1 | 2.1 | 6.1 | 2.9 | | | | | | | | | |
| 30 | 5.7 | | | | | | 2.9 | 0.9 | 4.5 | 1.3 | 5.1 | 1.9 | 6.1 | 2.7 | 6.6 | 4.1 | | | | | | | |
| 35 | 6.3 | | | | | | 2.6 | 0.9 | 4.0 | 1.2 | 5.1 | 1.8 | 6.1 | 2.5 | 6.6 | 3.8 | | | | | | | |
| 40 | 7.0 | | | | | | | | 3.7 | 1.1 | 5.1 | 1.7 | 6.1 | 2.3 | 6.6 | 3.5 | | | | | | | |
| 45 | 7.7 | | | | | | | | 3.4 | 1.1 | 4.8 | 1.56 | 6.1 | 2.2 | 6.6 | 3.3 | | | | | | | |
| 50 | 8.2 | | | | | | | | 3.2 | 1.0 | 4.5 | 1.5 | 6.1 | 2.1 | 6.6 | 3.2 | | | | | | | |
| 55 | 9.0 | | | | | | | | | | 4.2 | 1.4 | 6.1 | 2.0 | 6.6 | 3.0 | | | | | | | |
| 60 | 10 | | | | | | | | | | 3.9 | 1.4 | 5.8 | 1.9 | 6.6 | 2.9 | | | | | | | |
| 70 | 11 | | | | | | | | | | 3.5 | 1.3 | 5.2 | 1.8 | 6.6 | 2.7 | 7.6 | 3.7 | | | | | |
| 80 | 12 | | | | | | | | | | 3.2 | 1.2 | 4.7 | 1.6 | 6.6 | 2.5 | 7.6 | 3.5 | | | | | |
| 90 | 14 | | | | | | | | | | 3.0 | 1.1 | 4.4 | 1.5 | 6.6 | 2.4 | 7.6 | 3.3 | | | | | |
| 100 | 15 | | | | | | | | | | 2.7 | 1.1 | 4.1 | 1.5 | 6.2 | 2.2 | 7.6 | 3.1 | | | | | |
| 110 | 16 | | | | | | | | | | | | 3.8 | 1.4 | 5.8 | 2.1 | 7.6 | 3.0 | | | | | |
| 120 | 18 | | | | | | | | | | | | 3.6 | 1.3 | 5.5 | 2.0 | 7.6 | 2.8 | | | | | |
| 130 | 19 | | | | | | | | | | | | 3.4 | 1.3 | 5.2 | 2.0 | 7.6 | 2.7 | 8.5 | 4.3 | | | |
| 140 | 20 | | | | | | | | | | | | 3.2 | 1.2 | 4.9 | 1.9 | 7.6 | 2.6 | 8.5 | 4.1 | | | |
| 150 | 22 | | | | | | | | | | | | | | 4.7 | 1.8 | 7.5 | 2.5 | 8.5 | 4.0 | | | |
| 160 | 23 | | | | | | | | | | | | | | 4.5 | 1.8 | 7.2 | 2.5 | 8.5 | 3.8 | | | |
| 170 | 25 | | | | | | | | | | | | | | 4.3 | 1.7 | 6.9 | 2.4 | 8.5 | 3.7 | 12 | 6.1 | |
| 180 | 26 | | | | | | | | | | | | | | 4.1 | 1.7 | 6.6 | 2.3 | 8.5 | 3.6 | 12 | 5.9 | |
| 190 | 27 | | | | | | | | | | | | | | 4.0 | 1.6 | 6.4 | 2.3 | 8.5 | 3.5 | 12 | 5.8 | |
| 200 | 28 | | | | | | | | | | | | | | 3.8 | 1.6 | 6.1 | 2.2 | 8.5 | 3.4 | 12 | 5.6 | |
| 220 | 31 | | | | | | | | | | | | | | | | 5.7 | 2.1 | 8.5 | 3.3 | 12 | 5.4 | |
| 240 | 34 | | | | | | | | | | | | | | | | 5.4 | 2.0 | 8.5 | 3.1 | 12 | 5.1 | |
| 260 | | | | | | | | | | | | | | | | | | | 8.5 | 3.0 | 12 | 4.9 | |
| 280 | | | | | | | | | | | | | | | | | | | 8.2 | 2.9 | 12 | 4.7 | |
| 300 | | | | | | | | | | | | | | | | | | | 7.9 | 2.8 | 12 | 4.6 | |
| 320 | | | | | | | | | | | | | | | | | | | | | 12 | 4.4 | |
| 340 | | | | | | | | | | | | | | | | | | | | | 12 | 4.3 | |
| 360 | | | | | | | | | | | | | | | | | | | | | 12 | 4.2 | |
| 380 | | | | | | | | | | | | | | | | | | | | | | 11.6 | 4.1 |
| 400 | | | | | | | | | | | | | | | | | | | | | | 11.2 | 4.0 |

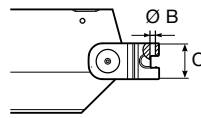


Fractional rigs, E_{max} and Y_{max} (m)

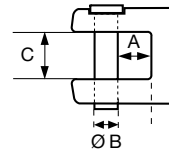
| Section | RM 30 kNm | Displ. tonnes | B087 | | B104 | | B120 | | B135 | | B153 | | B172 | | B199 | | B250 | | B290 | | B380 | |
|---------|--------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} | E_{max} | Y_{max} |
| 6 | 1.2 | | 3.4 | 1.4 | 4.1 | 1.6 | 4.1 | 1.8 | | | | | | | | | | | | | | |
| 8 | 1.6 | | 3.3 | 1.2 | 4.1 | 1.4 | 4.1 | 1.6 | 4.6 | 2.1 | | | | | | | | | | | | |
| 10 | 2.0 | | 2.8 | 1.1 | 3.7 | 1.2 | 4.1 | 1.4 | 4.6 | 1.9 | | | | | | | | | | | | |
| 12 | 2.4 | | 2.5 | 1.0 | 3.3 | 1.1 | 4.1 | 1.3 | 4.6 | 1.8 | | | | | | | | | | | | |
| 14 | 2.8 | | 2.2 | 0.9 | 3.0 | 1.0 | 4.1 | 1.2 | 4.6 | 1.6 | 5.1 | 2.5 | | | | | | | | | | |
| 16 | 3.2 | | 2.0 | 0.9 | | | 2.7 | 1.0 | 3.7 | 1.1 | 4.6 | 1.5 | 5.1 | 2.3 | | | | | | | | |
| 18 | 3.6 | | | | 2.5 | 0.9 | 3.4 | 1.0 | 4.6 | 1.4 | 5.1 | 2.2 | 6.1 | 3.0 | | | | | | | | |
| 20 | 4.0 | | | | | | 3.2 | 1.0 | 4.6 | 1.4 | 5.1 | 2.1 | 6.1 | 2.8 | | | | | | | | |
| 25 | 5.0 | | | | | | 2.7 | 0.9 | 4.3 | 1.2 | 5.1 | 1.8 | 6.1 | 2.5 | 6.6 | 3.8 | | | | | | |
| 30 | 5.7 | | | | | | | | 3.8 | 1.1 | 5.1 | 1.7 | 6.1 | 2.3 | 6.6 | 3.5 | | | | | | |
| 35 | 6.3 | | | | | | | | 3.4 | 1.0 | 4.8 | 1.6 | 6.1 | 2.1 | 6.6 | 3.2 | | | | | | |
| 40 | 7.0 | | | | | | | | 3.1 | 1.0 | 4.3 | 1.4 | 6.1 | 2.0 | 6.6 | 3.0 | | | | | | |
| 45 | 7.7 | | | | | | | | | | 4.0 | 1.4 | 5.9 | 1.9 | 6.6 | 2.9 | | | | | | |
| 50 | 8.2 | | | | | | | | | | 3.7 | 1.3 | 5.5 | 1.8 | 6.6 | 2.7 | | | | | | |
| 55 | 9.0 | | | | | | | | | | 3.5 | 1.2 | 5.1 | 1.7 | 6.6 | 2.6 | 7.6 | 3.6 | | | | |
| 60 | 10 | | | | | | | | | | 3.3 | 1.2 | 4.8 | 1.6 | 6.6 | 2.5 | 7.6 | 3.5 | | | | |
| 70 | 11 | | | | | | | | | | 2.9 | 1.1 | 4.3 | 1.5 | 6.6 | 2.3 | 7.6 | 3.2 | | | | |
| 80 | 12 | | | | | | | | | | | | 4.0 | 1.4 | 6.0 | 2.1 | 7.6 | 3.0 | | | | |
| 90 | 14 | | | | | | | | | | | | 3.6 | 1.3 | 5.6 | 2.0 | 7.6 | 2.8 | | | | |
| 100 | 15 | | | | | | | | | | | | 3.4 | 1.3 | 5.2 | 1.9 | 7.6 | 2.7 | | | | |
| 110 | 16 | | | | | | | | | | | | 3.2 | 1.2 | 4.8 | 1.8 | 7.6 | 2.6 | | | | |
| 120 | 18 | | | | | | | | | | | | | | 4.5 | 1.8 | 7.3 | 2.4 | | | | |
| 130 | 19 | | | | | | | | | | | | | | 4.3 | 1.7 | 6.9 | 2.3 | 8.5 | 3.7 | | |
| 140 | 20 | | | | | | | | | | | | | | 4.1 | 1.6 | 6.6 | 2.3 | 8.5 | 3.5 | | |
| 150 | 22 | | | | | | | | | | | | | | 3.9 | 1.6 | 6.2 | 2.2 | 8.5 | 3.4 | | |
| 160 | 23 | | | | | | | | | | | | | | 3.7 | 1.5 | 6.0 | 2.1 | 8.5 | 3.3 | | |
| 170 | 25 | | | | | | | | | | | | | | 3.6 | 1.5 | 5.7 | 2.1 | 8.5 | 3.2 | 12.0 | 5.2 |
| 180 | 26 | | | | | | | | | | | | | | 3.4 | 1.4 | 5.5 | 2.0 | 8.5 | 3.1 | 12.0 | 5.1 |
| 190 | 27 | | | | | | | | | | | | | | 3.3 | 1.4 | 5.3 | 1.9 | 8.5 | 3.0 | 12.0 | 5.0 |
| 200 | 28 | | | | | | | | | | | | | | | | 5.1 | 1.9 | 8.5 | 3.0 | 12.0 | 4.8 |
| 220 | 31 | | | | | | | | | | | | | | | | 4.8 | 1.8 | 8.1 | 2.8 | 12.0 | 4.6 |
| 240 | 34 | | | | | | | | | | | | | | | | 4.5 | 1.7 | 7.6 | 2.7 | 12.0 | 4.4 |
| 260 | | | | | | | | | | | | | | | | | | | 7.2 | 2.6 | 12.0 | 4.2 |
| 280 | | | | | | | | | | | | | | | | | | | 6.8 | 2.5 | 11.9 | 4.1 |
| 300 | | | | | | | | | | | | | | | | | | | 6.5 | 2.4 | 11.4 | 3.9 |
| 320 | | | | | | | | | | | | | | | | | | | | | 10.9 | 3.8 |
| 340 | | | | | | | | | | | | | | | | | | | | | 10.4 | 3.7 |
| 360 | | | | | | | | | | | | | | | | | | | | | 10.0 | 3.6 |
| 380 | | | | | | | | | | | | | | | | | | | | | 9.6 | 3.5 |
| 400 | | | | | | | | | | | | | | | | | | | | | 9.3 | 3.4 |

Booms for slab reef, Single Line Reef and furling masts

After you have determined the correct boom section for your yacht (previous tables), all you have to do is decide what kind of reefing system you prefer. Then check the tables below to find the complete boom in question. If you are in any doubt about which boom to choose, please contact your Seldén dealer for expert advice. When fitting a Seldén boom to a mast of another brand, check the existing toggle's dimensions for compatibility.



* Boom connects directly to gooseneck bracket. (B190 and B230)



B087-B290

Booms for furling masts

| Art. No. | Boom section | E _{max} mm |
|------------|--------------|---------------------|
| BS 120-72B | B120 | 3505 |
| BS 120-73B | | 4005 |
| BS 135-72 | B135 | 4055 |
| BS 135-73 | | 4555 |
| BS 153-72 | B153 | 4520 |
| BS 153-73 | | 5020 |
| BS 153-74 | | 5520 |
| BS 172-71 | B172 | 4530 |
| BS 172-72 | | 5030 |
| BS 172-73 | | 5530 |
| BS 172-74 | | 6130 |
| BS 199-71 | B199 | 5530 |
| BS 199-72 | | 6630 |
| BS 250-71B | B250 | 5610 |
| BS 250-72B | | 6110 |
| BS 250-73B | | 7110 |
| BS 250-74B | | 7510 |
| BS 290-71 | B290 | 6885 |
| BS 290-73 | | 8385 |

Inboard end

| Boom section | A mm | B mm | C mm |
|--------------|------|------|------|
| B087 | 8 | 8 | 16 |
| B104 | 8 | 8 | 16 |
| B120 | 14 | 10 | 20 |
| B135 | 14 | 12 | 20 |
| B153 | 13 | 12 | 21 |
| B172 | 16 | 12 | 20 |
| B199 | 21 | 16 | 30 |
| B250 | 18 | 16 | 30 |
| B290 | 30 | 16 | 30 |
| B190* | - | 12.2 | 78 |
| B230* | - | 12.2 | 78 |

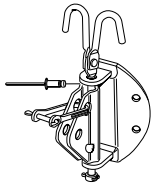
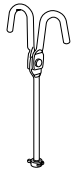
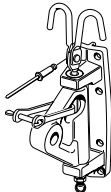
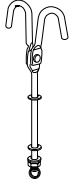
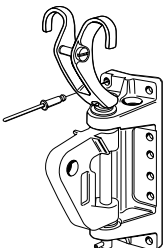

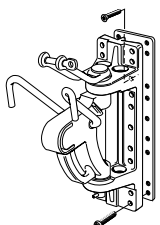
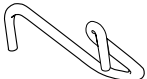
Slab reef and Single Line Reef booms

| Art. No. | Boom section | E _{max} mm | Remarks |
|------------|--------------|---------------------|---|
| BS 087-01 | B087 | 3365 | Outhaul (2:1) + 2 reefs, aft |
| BS 087-21 | | 3365 | Outhaul (4:1) + 2 reefs, cam cleats |
| BS 087-61 | | 3365 | Outhaul (2:1) + 2 Single Line Reef, aft |
| BS 104-01 | B104 | 3515 | Outhaul (2:1) + 2 reefs, aft |
| BS 104-02 | | 4015 | Outhaul (2:1) + 2 reefs, aft |
| BS 104-21 | | 3515 | Outhaul (4:1) + 2 reefs, cam cleats |
| BS 104-22 | | 4015 | Outhaul (4:1) + 2 reefs, cam cleats |
| BS 104-61 | | 3515 | Outhaul (2:1) + 2 Single Line Reef, aft |
| BS 104-62 | | 4015 | Outhaul (2:1) + 2 Single Line Reef, aft |
| BS 120-03B | B120 | 4040 | Outhaul (3:1) + 2 reefs, aft |
| BS 120-23 | | 4135 | Outhaul (3:1) + 2 reefs, jam levers |
| BS 120-63B | | 4040 | Outhaul (3:1) + 2 Single Line Reef, aft |
| BS 135-02 | B135 | 4105 | Outhaul (3:1) + 2 reefs, aft |
| BS 135-03 | | 4605 | Outhaul (3:1) + 2 reefs, aft |
| BS 135-22 | | 4105 | Outhaul (3:1) + 2 reefs, jam levers |
| BS 135-23 | | 4605 | Outhaul (3:1) + 2 reefs, jam levers |
| BS 135-62 | | 4105 | Outhaul (3:1) + 2 Single Line Reef, aft |
| BS 135-63 | | 4605 | Outhaul (3:1) + 2 Single Line Reef, aft |
| BS 153-02 | B153 | 4570 | Outhaul (3:1) + 3 reefs, aft |
| BS 153-03 | | 5070 | Outhaul (3:1) + 3 reefs, aft |
| BS 153-04 | | 5570 | Outhaul (3:1) + 3 reefs, aft |
| BS 153-22 | | 4570 | Outhaul (3:1) + 2 reefs, jam levers |
| BS 153-23 | | 5070 | Outhaul (3:1) + 2 reefs, jam levers |
| BS 153-24 | | 5570 | Outhaul (3:1) + 2 reefs, jam levers |
| BS 153-62 | | 4570 | Outhaul (3:1) + 2 Single Line Reef, aft |
| BS 153-63 | | 5070 | Outhaul (3:1) + 2 Single Line Reef, aft |
| BS 153-64 | | 5570 | Outhaul (3:1) + 2 Single Line Reef, aft |
| BS 172-01 | B172 | 4580 | Outhaul (3:1) + 3 reefs, aft |
| BS 172-02 | | 5080 | Outhaul (3:1) + 3 reefs, aft |
| BS 172-03 | | 5580 | Outhaul (3:1) + 3 reefs, aft |
| BS 172-04 | | 6180 | Outhaul (3:1) + 3 reefs, aft |
| BS 172-21 | | 4580 | Outhaul (3:1) + 3 reefs, jam levers |
| BS 172-22 | | 5080 | Outhaul (3:1) + 3 reefs, jam levers |
| BS 172-23 | | 5580 | Outhaul (3:1) + 3 reefs, jam levers |
| BS 172-24 | | 6180 | Outhaul (3:1) + 3 reefs, jam levers |

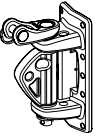

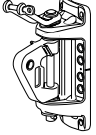

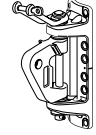
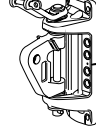
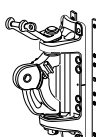
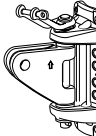
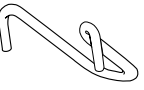
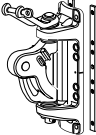
Aft = Lines to cockpit. Jam levers/cam cleats = Lines operated at gooseneck.

| Art. No. | Boom section | E _{max} mm | Remarks |
|------------|--------------|---------------------|---|
| BS 172-61 | B172 | 4580 | Outhaul (3:1) + 2 Single Line Reef, aft |
| BS 172-62 | | 5080 | Outhaul (3:1) + 2 Single Line Reef, aft |
| BS 172-63 | | 5580 | Outhaul (3:1) + 2 Single Line Reef, aft |
| BS 172-64 | | 6180 | Outhaul (3:1) + 2 Single Line Reef, aft |
| BS 190-02 | B190 | 4940 | Outhaul + 2 reefs, aft |
| BS 190-03 | | 5440 | Outhaul + 2 reefs, aft |
| BS 190-62 | | 4940 | Outhaul + 2 Single Line Reef, aft |
| BS 190-63 | | 5440 | Outhaul + 2 Single Line Reef, aft |
| BS 199-01 | B199 | 5590 | Outhaul (4:1) + 3 reefs, aft |
| BS 199-02 | | 6690 | Outhaul (4:1) + 3 reefs, aft |
| BS 199-21 | | 5590 | Outhaul (4:1) + 3 reefs, jam levers |
| BS 199-22 | | 6690 | Outhaul (4:1) + 3 reefs, jam levers |
| BS 199-61 | | 5590 | Outhaul (4:1) + 2 Single Line Reef, aft |
| BS 199-62 | | 6690 | Outhaul (4:1) + 2 Single Line Reef, aft |
| BS 230-01 | B230 | 4540 | Outhaul + 2 reefs, aft |
| BS 230-02 | | 4940 | Outhaul + 2 reefs, aft |
| BS 230-03 | | 5440 | Outhaul + 2 reefs, aft |
| BS 230-04 | | 6040 | Outhaul + 2 reefs, aft |
| BS 230-61 | | 4540 | Outhaul + 2 Single Line Reef, aft |
| BS 230-62 | | 4950 | Outhaul + 2 Single Line Reef, aft |
| BS 230-63 | | 5440 | Outhaul + 2 Single Line Reef, aft |
| BS 230-64 | | 6040 | Outhaul + 2 Single Line Reef, aft |
| BS 250-01B | B250 | 5670 | Outhaul (4:1) + 3 reefs, aft |
| BS 250-02B | | 6170 | Outhaul (4:1) + 3 reefs, aft |
| BS 250-03B | | 7170 | Outhaul (4:1) + 3 reefs, aft |
| BS 250-04B | | 7570 | Outhaul (4:1) + 3 reefs, aft |
| BS 250-21B | | 5670 | Outhaul (4:1) + 3 reefs, jam levers |
| BS 250-22B | | 6170 | Outhaul (4:1) + 3 reefs, jam levers |
| BS 250-23B | | 7170 | Outhaul (4:1) + 3 reefs, jam levers |
| BS 250-24B | | 7570 | Outhaul (4:1) + 3 reefs, jam levers |
| BS 250-61B | | 5670 | Outhaul (4:1) + 2 Single Line Reef, aft |
| BS 250-62B | | 6170 | Outhaul (4:1) + 2 Single Line Reef, aft |
| BS 250-63B | | 7170 | Outhaul (4:1) + 2 Single Line Reef, aft |
| BS 250-64B | | 7570 | Outhaul (4:1) + 2 Single Line Reef, aft |
| BS 290-01 | B290 | 6885 | Outhaul + 2 reefs, aft |
| BS 290-03 | | 8385 | Outhaul + 2 reefs, aft |
| BS 290-61 | | 6885 | Outhaul (3:1) + 2 Single Line Reef, aft |
| BS 290-63 | | 8385 | Outhaul (3:1) + 2 Single Line Reef, aft |

Boom brackets, E-sections, D-sections and R-sections

| Fitting | Mast section | Boom bracket Art. No. | Boom type | Boom section | Dimension, mm | Fasteners Art. No. | Separate pin, hooks Art. No. | |
|---|---|---|---|-------------------------------|---|--|---|--------------|
|  | For pear-shaped mast sections P100, P111 | 508-052-11 508-052-12 | Single line reef (no hooks) Slab reef (with hooks) | B087 B104 | Bracket Height: 80 Width: 63 Back angle: 45 Toggle Width: 13 Hole: Ø 8.2 | 4 pop rivets 167-004 | Pin incl. reef hooks: 536-101-01  | |
| | | 508-052-13 508-052-14 | Single line reef (no hooks) Slab reef (with hooks) | B120 | Toggle Width: 20 Hole: Ø 10 | | | |
|  | D109, D121 D129, D137 D146, D160 E122, E130 E138, E155 E170, E177, E189 | 508-040-07 | Slab reef (with hooks) | B120 | Bracket Height: 138 Width: 44 Back angle: 10° Toggle Width: 20 Hole: Ø 10.5 | 8 pop rivets 167-002 | Pin incl. reef hooks: 536-102-01  | |
| | | 508-040-01 | Single line reef (no hooks) | 111/75 128/90 | | | | |
|  | E170, E177 E189, E206 E224, E237 E274 | 508-168-53 508-168-52 | Slab reef (with hooks) Single line reef (no hooks) | 143/76 B171 B172 | Bracket Height: 179 Width: 63 Back angle: 10° Toggle Width: 20 Hole: Ø 12.5 | 12 pop rivets 167-002 | Separate reef hooks: 536-113-01 Max. RM. Masthead 60 kNm Fractional 45 kNm  | |
| | | R190, R213 R235 | 508-168-21 | Furling mast RA (no hooks) | | | | |
|  | E189, E206 E224, E237 E274 | 508-152-03 | Slab reef (with hooks) | B199 B200 | Bracket Height: 275 Width: 70 Back angle: 10° Toggle Width: 30 Hole: Ø 16.5 | 200/117 boom: 18 pop rivets 167-027 250/140 boom: 18 screws 155-803 + 2 screws 162-024 + backing plate | Separate reef hooks: 507-651 Max. RM. Masthead 120 kNm Fractional 90 kNm  | |
| | | E206, E224, E237, E274 E321, E365 | | 508-152-23 | | | | B250 |
| | | E189, E206 E224, E237 E274 | 508-152-02 | Single line reef (no hooks) | | | | B199 B200 |
| | | E206, E224, E237, E274 E321, E365 | 508-152-22 | | | | | B250 |

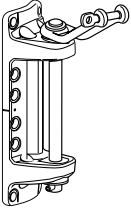

Boom brackets, C-sections and F-sections

| Fitting | Mast section | Boom bracket Art. No. | Boom type | Boom section | Dimension, mm | Fasteners Art. No. | Separate pin, hooks Art. No. |
|---|---|---------------------------|-----------------------------|--|---|---|---|
|  | C137-C175 | 508-788-03 | Single line reef (no hooks) | B087 B104 | Bracket Height: 130 Width: 55 Toggle (AL) Width: 15 Hole: Ø 8 | 10 pop rivets 167-006 | 536-118 |
| | | 508-788-05 | Slab reefing (with hooks) | | | | 536-119-01 |
| | | 508-788-04 | Single line reef (no hooks) | B120 | Toggle (AL) Width: 20 Hole: Ø 10 | | |
| | | 508-788-06 | Slab reefing (with hooks) | | | | |
|  | F176-F194 C137-C193 | 508-231-33 | Furling mast | B120 | Bracket Height: 160 Width: 61 Toggle (AL) Width: 20 Hole: Ø 12.5 | 12 pop rivets 167-002 | 536-113-01 Max. RM: Masthead 55 kNm Fractional 40 kNm |
| | | 508-231-34 | Single line reef (no hooks) | | | | |
| | | 508-231-35 | Slab reefing (with hooks) | | | | |
|  | F212-F246 C211-C245 | 508-257-33 | Furling mast | B120 | Bracket Height: 174 Width: 71 Toggle (AL) Width: 20 Hole: Ø 12.5 | |  |
| | | 508-257-34 | Single line reef (no hooks) | | | | |
| | | 508-257-35 | Slab reefing (with hooks) | | | | |
|  | F176-F194 C156-C193 | 508-231-06 | Furling mast | B135 143/76 B152 | Bracket Height: 160 Width: 61 Toggle (AL) Width: 20 Hole: Ø 12.5 | | |
| | | 508-231-07 | Single line reef (no hooks) | | | | |
| | | 508-231-08 | Slab reefing (with hooks) | | | | |
|  | F212-F246 C211-C245 | 508-257-03 | Furling mast | B135 143/76 B152 B171 B172 | Bracket Height: 174 Width: 71 Toggle (AL) Width: 20 Hole: Ø 12.5 | | |
| | | 508-257-04 | Single line reef (no hooks) | | | | |
| | | 508-257-05 | Slab reefing (with hooks) | | | | |
|  | F265-F286 C265-C285 | 508-233-03 | Furling mast | B171 B172 | Bracket Height: 242 Width: 81 Toggle (ST) Width: 20 Hole: Ø 12.5 | 12 screws 155-622 (MRT 6 x 25, in backing plate) | Separate reef hooks: 507-651 Max. RM: Masthead 120 kNm Fractional 90 kNm |
| | | 508-233-04 | Single line reef (no hooks) | | | | |
| | | 508-233-05* | Slab reefing (with hooks) | | | 12 screws 155-621 (MRT 6 x 20, in backing plate) | |
|  | F228-F246 | 508-233-36 | Furling mast | B199 B200 | Bracket Height: 242 Width: 81 Toggle (ST) Width: 30 Hole: Ø 16.5 | 12 screws 155-622 (M6) |  |
| | | | | | | | |
| | 508-152-38* | Slab reefing (with hooks) | | | | | |
| |  | F265-F305 C264-C304 | 508-233-08 | Furling mast | B199 B200 B250 B290 B300 | Bracket Height: 242 Width: 81 Toggle (ST) Width: 30 Hole: Ø 16.5 | |
| 508-233-09 | | | Single line reef (no hooks) | | | | |
| 508-233-06* | | | Slab reefing (with hooks) | | | | |

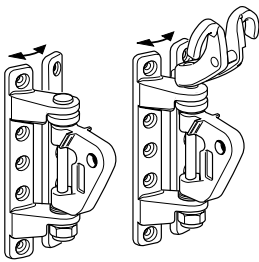
AL = Aluminium ST = Stainless steel * Masthead RM30° >120 kNm or Fractional RM30° >90 kNm, use "floating hooks".



Boom brackets, Racing boom

| Fitting | Mast section | Boom bracket Art. No. | Boom type | Boom section | Dimension, mm | Fasteners Art. No. | Separate pin, hooks Art. No. |
|---|--------------|-----------------------|-----------------------------|--------------|--|--------------------------------------|---|
|  | C175-C193 | 508-231-10 | Slab reefing (with hooks) | B190 B230 | Bracket Height: 160 Width: 71 | 12 screws 155-621 (MRT 6 x 20) | 536-113-01 Max. RM: Masthead 55 kNm Fractional 40 kNm |
| | | 508-231-14 | Single line reef (no hooks) | B190 | | | |
| | C211-C245 | 508-257-07 | Slab reefing (with hooks) | B190 B230 | Bracket Height: 174 Width: 71 | | |
| | | 508-257-15 | Single line reef (no hooks) | | | | |
| | | | | | | |  |

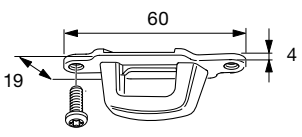
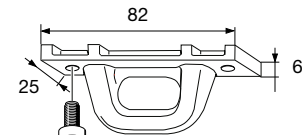
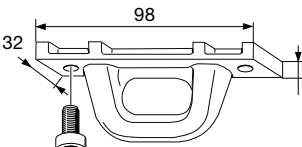
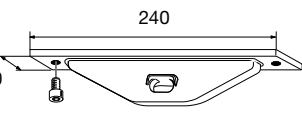
Universal boom brackets

| Fitting | Art. No. | Boom type | Boom section | Fasteners Art. No. |
|---|------------|-----------------------------|--|--|
|  | 508-237-05 | Furling mast | B120 | 10 pop rivets 167-002 (Ø 6.4 x 17.8 MNL) |
| | 508-237-08 | Single line reef (no hooks) | | |
| | 508-237-11 | Slab reefing (with hooks) | | |
| | 508-237-06 | Furling mast | B135 143/76 B152 B171 B172 | |
| | 508-237-09 | Single line reef (no hooks) | | |
| | 508-237-12 | Slab reefing (with hooks) | | |
| | 508-237-07 | Furling mast | | |
| | 508-237-10 | Single line reef (no hooks) | B199 B200 | |
| | 508-237-13 | Slab reefing (with hooks) | | |

These boom brackets are adjustable and fit most mast sections. Ideal when upgrading an old mast with a modern Seldén boom.

Reef line kits and sliders

Main sheet sliders

| Fitting | Art. No. | Boom section |
|--|------------|---|
|  | 511-641-01 | B087 B104 |
|  | 511-571-01 | B120 B135 143/76 B152 B171 B172 B190* |
|  | 511-572-01 | B199 B200 B230* B250 |
|  | 511-616-01 | B290 B300 |

* Webbing is often used as sheet attachment.

Single Line Reef kits

| Boom section | Rope dia mm | Complete kit (reef 1 and 2 + outhaul) Art. No. | Excl. reef lines Art. No. |
|--------------|-------------|--|---------------------------|
| B120 | 8 | 611-007-10* | 611-007-11 |
| B135 | 10 | 611-011-14 | 611-011-15 |
| B152 | 10 | 611-011-16 | 611-011-17 |
| B171 | 10 | 611-011-12* | 611-011-13 |
| B171 (2008-) | 10 | 611-011-24 | 611-011-25 |
| /B172 | | | |
| B200 | 12 | 611-015-04 | - |
| B200 (2008-) | 12 | 611-015-24 | - |
| B250 | 12 | 611-015-25 | - |

Jam lever kits

| Boom section | Art. No. |
|--------------|--|
| B135 | 511-074-21 |
| 143/76 | 511-072-11 |
| B152 | 511-074-22 |
| B153 | 511-278-10 |
| B171 | 511-072-12 (-2007) 511-072-22 (2008-) |
| B172 | 511-280-10 |
| B199 | 511-282-10 |
| B200 | 511-071-11 (-2007) 511-071-21 (2008-) |
| B250 | 511-071-22 |

Lazyjack slider

Two part polyamide slider for Lazyjacks. Fits in the groove without removing the boom end.

For use with Lazyjacks and reef lines for loose footed sails only.

| Fitting | Art. No. | Includes | B | Boom section |
|---|------------|---|----|-------------------|
|  | 511-636-01 | One slider | 18 | B120-B172 |
| | 511-636-02 | Two sliders with M6 screws (selftapping) and Ø 5.3 drillbit | | |
| | 511-637-01 | One slider | 25 | B199- B290/300 |
| | 511-637-02 | Two sliders with M6 screws (selftapping) and Ø 5.3 drillbit | | |



Retrofit outhaul track

This track can be retrofitted to an old boom and significantly improve the outhaul function.

A 400 mm long track with a ball bearing car is mounted in the sail track to simplify adjustment of the outhaul tension of a loose footed sail. A complete kit including track, traveller, end caps and fasteners (8 x 16 mm) for the sail track. Just remove the boom end, slide in the track and tighten the screws. Art. No. 511-580-11R. RCB22 / RM HM max.:40Nm / FRAC max.:30Nm 30°.



