



Sailman™ Batten Systems

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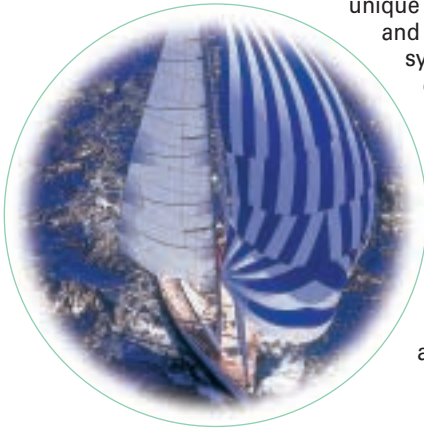
Design Focus

Introduction

The principle behind Sailman™ is simple. A range of trackless and tracked full batten systems incorporating slides, boxes and battens from one supplier. Bainbridge International has one objective. To provide highly engineered, innovative, efficient and good value fully integrated batten systems to suit most yachts from 24ft to 80ft.

Dedicated To Full Batten Systems

Bainbridge International is in a unique position to design and develop full batten systems. No other organisation has our knowledge and experience of sailmaking, sail hardware and control systems. This combination of skills is your guarantee of efficiency, quality and reliability.

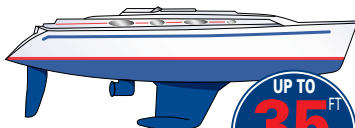


Sailman 3000

FULL BATTEN SYSTEM



See Pages 50 - 51



UP TO
35 FT
(10.5m)
APPROX

- ▲ Precision moulded plastic slides.
- ▲ Solid hinge system with 'lay-flat' rotation.
- ▲ Flat and round batten options with integral tension adjuster.

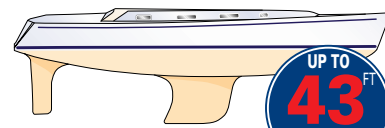


Sailman 4000

FULL BATTEN SYSTEM



See Pages 54 - 55



UP TO
43 FT
(13m)
APPROX

- ▲ Low friction sliders with stainless reinforced slugs.
- ▲ Cast stainless hinge with 'lay-flat' rotation.
- ▲ Battens up to 10mm thick.



Sailman 3500

FULL BATTEN SYSTEM



See Pages 52 - 53



UP TO
35 FT
(10.5m)
APPROX

- ▲ Ideal for composite spars.
- ▲ Used with wing masts.
- ▲ Suits gates that are proud of sail track.
- ▲ Flat and round batten options with integral tension adjuster.

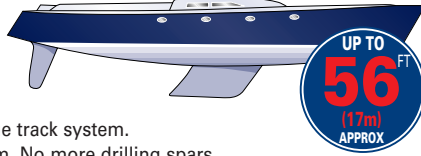


Sailman 5000

FULL BATTEN SYSTEM



See Page 56 - 59



- ▲ Low friction, good value track system.
- ▲ New track fixing system. No more drilling spars.
- ▲ Tough and durable construction.
- ▲ Battens up to 10mm thick.

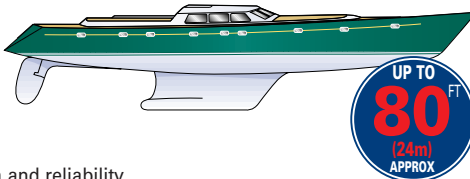


Sailman 7000

FULL BATTEN SYSTEM



See Page 60 - 61



- ▲ Ultimate strength and reliability.
- ▲ RCB option for reduced friction.
- ▲ Leech boxes for extra tension adjustment.
- ▲ Battens up to 13mm thick or 20mm round.



Compatibility

More customers are asking to upgrade part of their batten system to Sailman. Examples include:

- ▲ Upgrading to our batten boxes on an existing track system.
- ▲ Changing an existing sail to Sailman slides.



Two new hinge units have been introduced to link Sailman batten boxes to Harken and Antal track systems. Fredriksen also produce a range of cars with Sailman arms to connect directly to Series 55 boxes.

Harken, Antal and Fredriksen all produce cars with M10 connector arms that are compatible with Sailman series 25, 35 and 55 luff boxes.

Most batten boxes using an M10 thread can be connected to Sailman slides. M12 threaded versions of Sailman 5000 cars are available for luff boxes that use a larger connection.

Promotion & Support

We are committed to both pre-sale and post-sale support.

The Sailman booklet provides an easy to understand explanation of the range. Copies are available free to send to prospective customers.

Our www.sailcloth.com website is dedicated to the boat owner and also provides details of Sailman.

Every Bainbridge location has a Sailman expert or you can email the design team direct on info@bainbridgeint.co.uk.

Sailman has been designed with simple and low cost maintenance in mind. Spares are readily available from all Bainbridge locations.



Slide Sample Sets

Part No.	Description
U10000	Sailman 3000 Slide Sample Set
U10002	Sailman 3500 Slide Sample Set
U00000	Sailman 4000 Slide Sample Set

Sample Test Kit - Track Fixing

Part No.	Description
U10001	Sailman 7000 Sample Test Kit - Track Fixing

Sailman 3000 Full Batten Systems

For boats up to 35 feet (10.5m) approx.

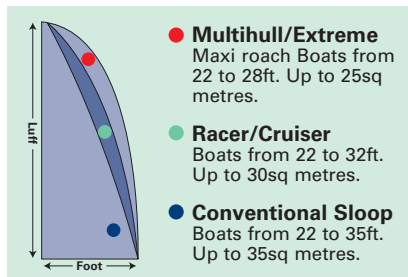


Sailman 3000 is a compact integrated full batten system for boats below 35ft. The system comprises seven profiles of slide and a solid slide linkage that is compatible with Series 25 and Series 35 batten boxes.

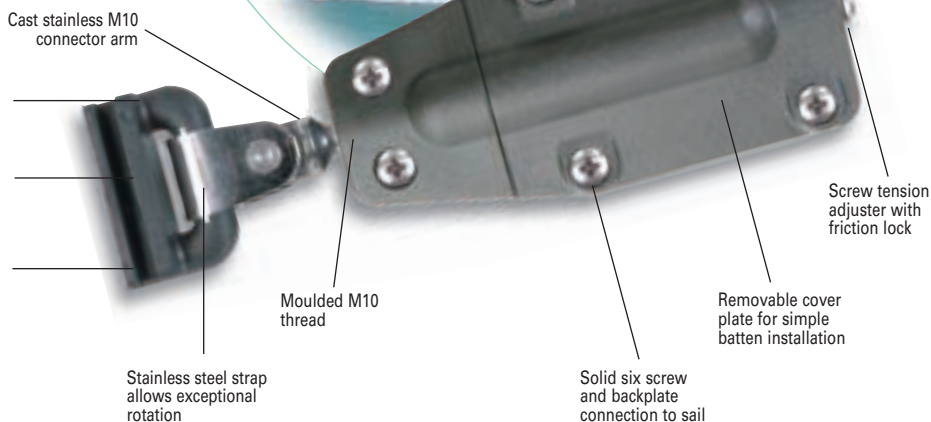
Sailman 3000 is compatible with most modern internal mast tracks and despite being designed to be affordable still includes many detailed design features and advanced quality materials.

Sail Areas

Recommended maximum sail areas according to yacht type and roach variation.



The big-roached rigs of some multihulls and water-ballasted yachts add considerably to the loads applied to batten systems. If in doubt contact your Bainbridge International outlet for further advice.



Selden Spars

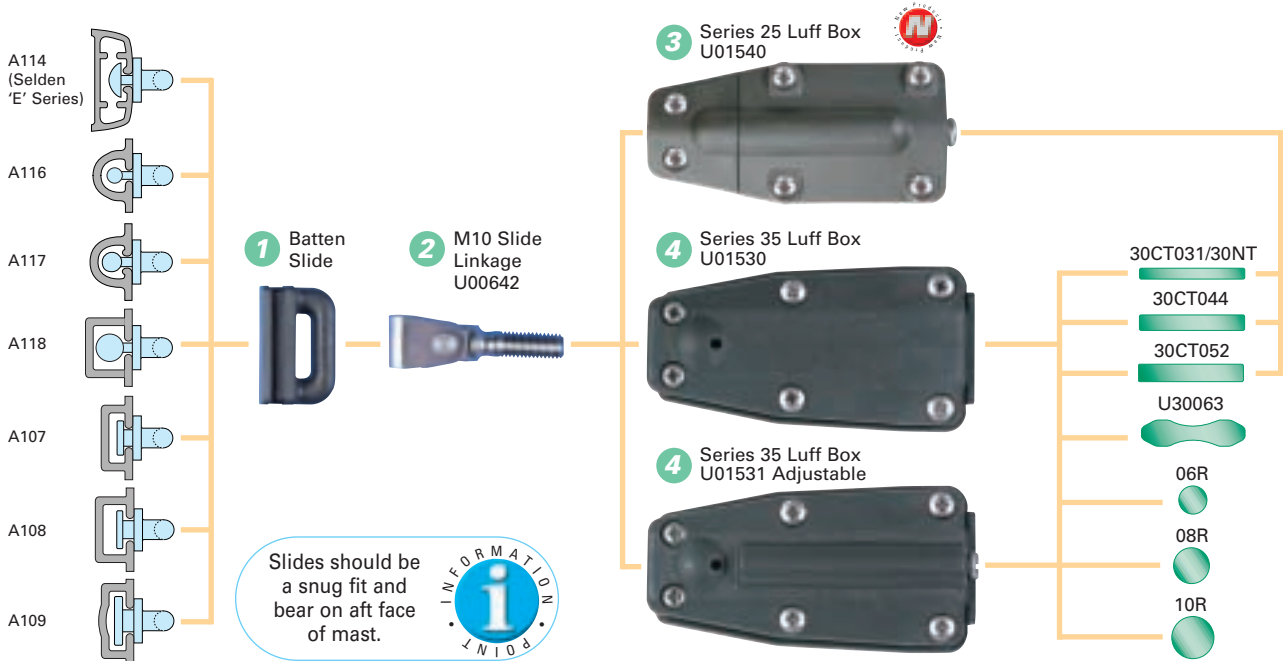
For new Selden 'C' series masts choose A108 Allslip slides. For optimum performance with older 'E' series use A114's and replace the sail feeding gate on the spar with a U99980 insert.

Intermediate Slides

Slides can also be used as intermediates using A035BK long reach shackle.

Sailman 3000 Full Batten Systems

For boats up to 35 feet (10.5m) approx.



1 Batten Slides:

- ▲ Seven profiles to fit most modern spars.
- ▲ Precision moulded from glass fibre reinforced plastic with a PTFE impregnation.
- ▲ Integral compression pad transfers load directly on to aft face of spar.
- ▲ Slides can also be used as intermediates using A035BK long reach shackle.

2 Slide Linkage:

- ▲ Pressure formed 316 stainless steel double toggle transfers compression directly and evenly on to slide.
- ▲ M10 thread allows connection to Series 25, Series 35 and most other brands of batten box.
- ▲ Hinge system allows 'lay-flat' rotation of battens when sail is stowed or reefed.
- ▲ Clevis pin with heavy duty split ring provides simple sail removal.

3 Series 25 Batten Boxes:

- ▲ Tough injection moulded construction.
- ▲ Integrated tension adjustment system with friction lock.
- ▲ Accommodates battens up to 30mm x 5.5mm including 30CT052 (see page 70).
- ▲ Top plate design allows simple batten fitting and removal.
- ▲ Moulded M10 thread.

4 Series 35 Batten Boxes:

- ▲ Tough injection moulded construction.
- ▲ Concealed M10 nut for extra strength compared to threaded plastic designs.
- ▲ Optional batten tension adjustment with metal drive dog.
- ▲ Snap-in guides accommodate flat battens up to 30mm x 6.5mm including U30063 (see page 71) and round battens up to 10mm.

Sailman 3000 Components

Part No.	Description	Width/Dia: mm/in	Length: mm/in	Connection	Weight: gm/oz	Max. Batten
A114	Low friction slide 16mm Selden 'E' series	15.6 %	45 1 ¼		15 0.5	
A116	Low friction slide 8mm dia	7.9 %	45 1 ¼		15 0.5	
A117	Low friction slide 9mm dia	9.3 %	45 1 ¼		15 0.5	
A118	Low friction slide 12.5mm dia	12.5 %	45 1 ¼		15 0.5	
A107	Low friction slide 16mm flat	15.6 %	45 1 ¼		15 0.5	
A108	Low friction slide 19mm flat	19 %	45 1 ¼		15 0.5	
A109	Low friction slide 22mm flat	22.2 %	45 1 ¼		15 0.5	
A035BK	Long Reach Shackle		61 2 ½			
U99980	Selden Sail Groove Insert	30 1 ⅝	155 6 ¼			
U00642	Slide linkage M10			M10 Thread	50 1.7	
U01540	Series 25 luff box	50 2	109 4 ¼	M10 Thread	118 4.1	30CT052
U01530	Series 35 standard luff box	62 2 ⅞	120 4 ¾	M10 Thread	200 7.1	U30063 or 10R
U01531	Series 35 luff box w. batten tension adjuster	62 2 ⅞	120 4 ¾	M10 Thread	235 8.3	U30063 or 10R

Note: Sailman 3000 slides fitted with the optional threaded arm can easily be used as an upgrade for other manufacturers products that also use an M10 connection, such as SDA.

Sailman 3500 Full Batten Systems

For boats up to 35 feet (10.5m) approx.



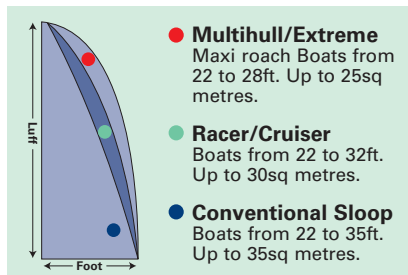
The Sailman 3500 system has been specifically designed to fit a full batten sail on three of the most difficult types of spars.

- ▲ Alloy spars with sail feeding gates that are proud of the aft face of the mast.
- ▲ Composite spars.
- ▲ Alloy and composite wing masts.

Only our unique knowledge of both sailmaking and mastmaking has made the design of Sailman 3500 possible.

Sail Areas

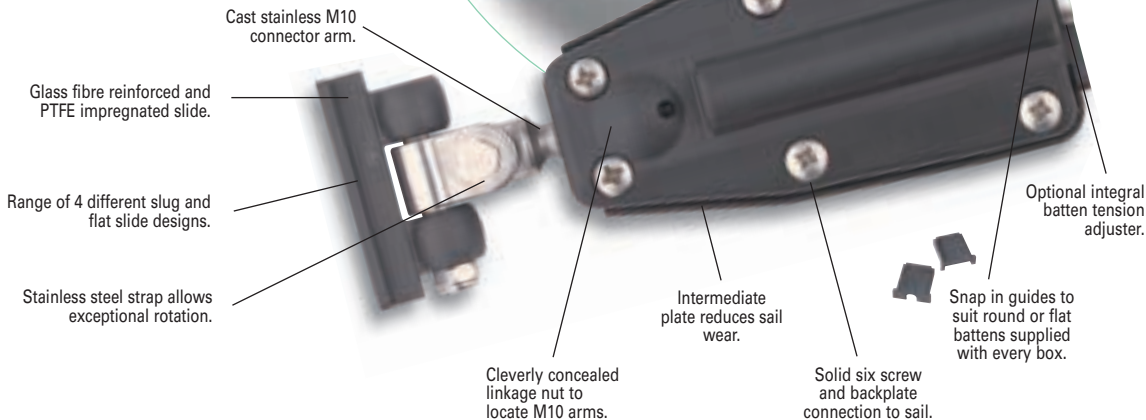
Recommended maximum sail areas according to yacht type and roach variation.



The big-roached rigs of some multihulls and water-ballasted yachts add considerably to the loads applied to batten systems. If in doubt contact your Bainbridge International outlet for further advice.



© Onne van der Wal/Bluegreen



Sailman 3500 Full Batten Systems

For boats up to 35 feet (10.5m) approx.

U00341S M10 Arm
U00361 Intermediate



U00343S M10 Arm
U00363 Intermediate



U00345S M10 Arm
U00365 Intermediate



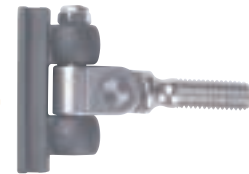
U00357S M10 Arm
U00377 Intermediate



1 Intermediate Slide



1 M10 Batten Slide



Slides should be a snug fit and bear on aft face of mast.



2 Series 25 Luff Box
U01540



3 Series 35 Luff Box
U01530



3 Series 35 Luff Box
U01531 Adjustable



30CT031/30NT

30CT044

30CT052

U30063

06R

08R

10R

1 Batten Slides:

- ▲ Sailman 3500 slides are designed to run inside the mast groove and unlike Sailman 3000 and 4000 slides do not bear on the aft face of the mast. This allows them to run past feeding gates and to slide in very narrow grooves on composite and wing masts,
- ▲ To prevent wear on composite spars the slides have no exposed metal parts.
- ▲ The smallest slug version has a waist of just 3.4mm allowing it to fit the narrowest of grooves.
- ▲ Glass reinforced and PTFE impregnated construction.
- ▲ Fully articulating solid stainless steel joint allows 'lay-flat' rotation of battens when sail is stowed or reefed.
- ▲ M10 thread allows connection to Series 25 and Series 35 and most other brands of batten box.
- ▲ Cotton reel on intermediate slides for easy sail removal. M10 thread allows connection to Series 25 and Series 35 and most other brands of batten box.

2 Series 25 Batten Boxes:

- ▲ Tough injection moulded construction.
- ▲ Integrated tension adjustment system with friction lock.
- ▲ Accommodates battens up to 30mm x 5.5mm including 30CT052 (see page 70).
- ▲ Top plate design allows simple batten fitting and removal.
- ▲ Moulded M10 thread.

3 Series 35 Batten Boxes:

- ▲ Tough injection moulded construction.
- ▲ Concealed M10 nut for extra strength compared to threaded plastic designs.
- ▲ Optional batten tension adjustment with metal drive dog.
- ▲ Snap-in guides accommodate flat battens up to 30mm x 6.5mm including U30063 (see page 71) and round battens up to 10mm.

Sailman 3500 Components

Part No.	Description	Width/Dia: mm/in	Waist: mm/in	Length: mm/in	Connection	Weight: gm/oz	Max. Batten
U00361	Intermediate/Head Slide 15.5mm	15.5 5/8	7.3 5/16	55 2 1/8	Webbing	36 1.3	
U00363	Intermediate/Head Slide 18mm	17.9 3/4	8.7 5/16	55 2 1/8	Webbing	36 1.3	
U00365	Intermediate/Head Slide 22mm	21.5 7/8	10.3 3/8	55 2 1/8	Webbing	36 1.3	
U00377	Intermediate/Head Slide 9.0mm Diameter	9.0 3/8	3.4 1/8	55 2 1/8	Webbing	36 1.3	
U00341S	Batten Slide 15.5mm Series 35 Luff Box	15.5 5/8	7.3 5/16	55 2 1/8	M10 Thread	89 3.1	
U00343S	Batten Slide 18mm Series 35 Luff Box	17.9 3/4	8.7 5/16	55 2 1/8	M10 Thread	89 3.1	
U00345S	Batten Slide 22mm Series 35 Luff Box	21.5 7/8	10.3 3/8	55 2 1/8	M10 Thread	89 3.1	
U00357S	Batten Slide 9.0mm Dia Series 35 Luff Box	9.0 3/8	3.4 1/8	55 2 1/8	M10 Thread	89 3.1	
U01531	Series 35 luff box w. batten tensioner	62 2 1/2		120 4 3/4	M10 Thread	148 5.3	U30063 or 10R
U01530	Series 35 standard luff box,	62 2 1/2		120 4 3/4	M10 Thread	148 5.3	U30063 or 10R
U01540	Series 25 luff box	50 2		109 4 1/4	M10 Thread	118 4.1	30CT052

Sailman 4000 Full Batten Systems

For boats up to 43 feet (13m) approx.

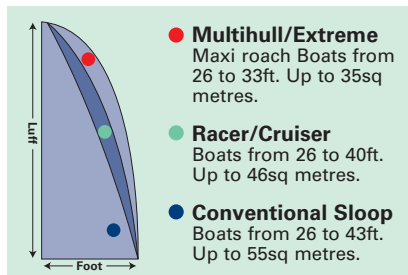


Sailman 4000 is a premium trackless full batten system for boats below 45ft. The system comprises six profiles of slides that feature a solid hinge system and stainless steel reinforced slugs. All slides are compatible with Series 35 and Series 55 batten boxes.

Sailman 4000 has been designed as a premium system that through careful design and detailed engineering delivers excellent performance and strength without the complication and cost of fitting an external track.

Sail Areas

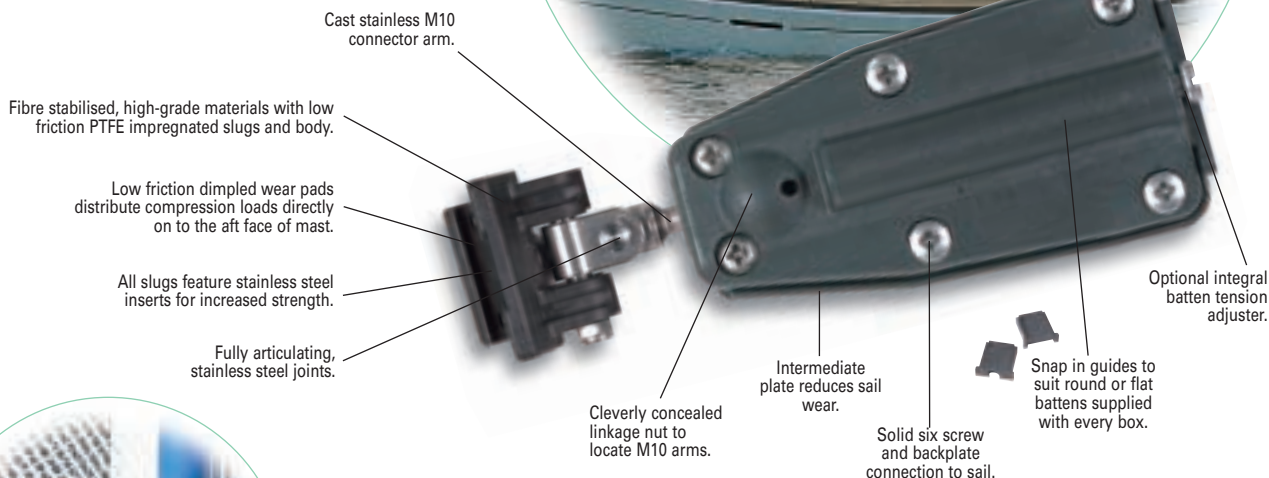
Recommended maximum sail areas according to yacht type and roach variation.



The big-roached rigs of some multihulls and water-ballasted yachts add considerably to the loads applied to batten systems. If in doubt contact your Bainbridge International outlet for further advice.



© Dufour 34/Gilles Martin



Head Slides

- ▲ A pressed stainless steel hinge unit links two slides together for extra strength.
- ▲ Separate super strong stainless steel head ring connects with clevis pin.
- ▲ The B942ABK can also be fitted (see page 84).

Part No.	Description	Width/Dia: mm/in	Length: mm/in	Connection	Weight: gm/oz
U00462H	Heavy Duty Head Slide 16mm Flat	16.3 %	114 4 1/2		225 7.9
U00463H	Heavy Duty Head Slide Selden 'C'	16.3 %	114 4 1/2		225 7.9
U00464H	Heavy Duty Head Slide 19mm Flat	18.8 %	114 4 1/2		225 7.9
U00466H	Heavy Duty Head Slide 23mm Flat	23 %	114 4 1/2		225 7.9
U00468H	Heavy Duty Head Slide 24mm Flat	24 %	114 4 1/2		225 7.9
U00472H	Heavy Duty Head Slide 10mm Slug	10 %	114 4 1/2		225 7.9
U00474H	Heavy Duty Head Slide 11mm Slug	11 %	114 4 1/2		225 7.9
U00798	Sailman Heading	84 3 3/8	125 4 1/2		170 6.0
B942ABK	Sailman Headboard	116 4 1/2	142 6 1/2		85 2.9

Selden Spars

For new Selden 'C' series masts choose A443S/A463 slides. For optimum performance with older 'E' series use A114's and replace the sail feeding gate on the spar with a U99980 insert.

Sailman 4000 Full Batten Systems

For boats up to 43 feet (13m) approx.

U00462 Intermediate
U00442S M10
U00442 Sailman

U00468 Intermediate
U00448S M10
U00448 Sailman

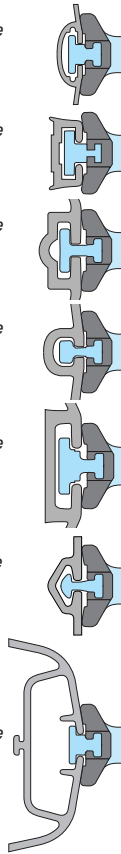
U00464 Intermediate
U00444S M10
U00444 Sailman

U00472 Intermediate
U00452S M10
U00452 Sailman

U00466 Intermediate
U00446S M10
U00446 Sailman

U00474 Intermediate
U00454S M10
U00454 Sailman

U00463 Intermediate
U00443S M10



1 M10 Batten Slide

2 Intermediate Slide

1 Sailman Arm Batten Slide

Slides should be a snug fit and bear on aft face of mast.



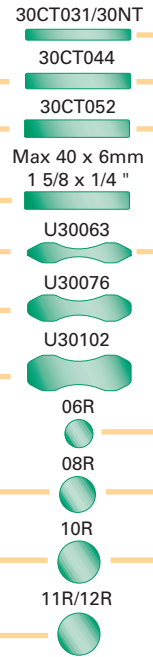
3 Series 35 Luff Box
U01530
U01531 Adjustable



4 Series 55 Luff Box - M10 Thread
U1523 Round, U1522 Flat, U1521 Sailman,
U1520 Adjustable Sailman



4 Series 55 Luff Box - Sailman Arm
U1516 Round, U1517 Flat,
U1519 Adjustable Sailman



1 Batten Slides:

- ▲ Six profiles to fit most modern spars.
- ▲ Precision moulded from glass fibre reinforced plastic with a PTFE impregnation.
- ▲ Solid stainless steel hinge system and connecting arm.
- ▲ Low friction compression pads transfer load directly on to aft face of spar.
- ▲ All slugs feature stainless steel 'I' beam inserts for extra strength.

2 Intermediate Slides:

- ▲ Moulded cotton reels for web on attachment in intermediate positions.
- ▲ Can also be webbed to standard headboards as light duty head slides.

3 Series 35 Batten Boxes:

- ▲ Tough injection moulded construction.
- ▲ Concealed M10 nut for extra strength compared to threaded plastic designs.
- ▲ Optional batten tension adjustment with metal drive dog.
- ▲ Snap-in guides accommodate flat battens up to 30mm x 6.5mm including U30063 (see page 71) and round battens up to 10mm.

4 Series 55 Batten Boxes:

- ▲ Tough injection moulded fibre re-enforced construction.
- ▲ Two slide attachment options: M10 thread or unique Sailman arm that allows simple sail removal by loosening two screws.
- ▲ Optional tension adjustment for Sailman battens with metal drive dog.
- ▲ Models available to suit round, flat and Sailman battens.

Sailman 4000 Components

Part No.	Description	Width/Dia: mm/in	Length: mm/in	Connection	Weight: gm/oz
U00462	Intermediate/Head Slide 16mm Flat	16.3 5/8	52 2 1/8	Webbing	61 2.2
U00463	Intermediate/Head Slide Selden 'C'	16.3 5/8	52 2 1/8	Webbing	61 2.2
U00464	Intermediate/Head Slide 19mm Flat	18.8 3/4	52 2 1/8	Webbing	61 2.2
U00466	Intermediate/Head Slide 23mm Flat	23 7/8	52 2 1/8	Webbing	61 2.2
U00468	Intermediate/Head Slide 24mm Flat	24 1 1/8	52 2 1/8	Webbing	61 2.2
U00472	Intermediate/Head Slide 10mm Slug	10 3/8	52 2 1/8	Webbing	61 2.2
U00474	Intermediate/Head Slide 11mm Slug	11 7/8	52 2 1/8	Webbing	61 2.2
U00322	Spare Cotton Reel For Intermediate Slides			Webbing	
U00442S	Batten Slide 16mm Flat	16.3 5/8	52 2 1/8	M10 Thread	107 3.8
U00443S	Batten Slide Selden 'C'	16.3 5/8	52 2 1/8	M10 Thread	107 3.8
U00444S	Batten Slide 19mm Flat	18.8 3/4	52 2 1/8	M10 Thread	107 3.8
U00446S	Batten Slide 23mm Flat	23 7/8	52 2 1/8	M10 Thread	107 3.8
U00448S	Batten Slide 24mm Flat	24 1 1/8	52 2 1/8	M10 Thread	107 3.8
U00452S	Batten Slide 10mm Slug	10 3/8	52 2 1/8	M10 Thread	107 3.8
U00454S	Batten Slide 11mm Slug	11 7/8	52 2 1/8	M10 Thread	107 3.8
U00442	Batten Slide 16mm Flat	16.3 5/8	52 2 1/8	Sailman Arm	120 4.2
U00444	Batten Slide 19mm Flat	18.8 3/4	52 2 1/8	Sailman Arm	120 4.2
U00446	Batten Slide 23mm Flat	23 7/8	52 2 1/8	Sailman Arm	120 4.2
U00448	Batten Slide 24mm Flat	24 1 1/8	52 2 1/8	Sailman Arm	120 4.2
U00452	Batten Slide 10mm Slug	10 3/8	52 2 1/8	Sailman Arm	120 4.2
U00454	Batten Slide 11mm Slug	11 7/8	52 2 1/8	Sailman Arm	120 4.2

Part No.	Description	Width/Dia: mm/in	Length: mm/in	Connection	Weight: gm/oz	Max. Batten
U01530	Series 35 standard luff box,	62 2 1/2	120 4 3/4	M10 Thread	148 5.3	U30063 or 10R
U01531	Series 35 luff box w. batten tensioner	62 2 1/2	120 4 3/4	M10 Thread	148 5.3	U30063 or 10R
U01516	Series 55 Luff box for round battens	73 2 3/4	140 5 1/2	Sailman Arm	239 8.4	11R/12R
U01517	Series 55 Luff box for flat battens	73 2 3/4	140 5 1/2	Sailman Arm	232 8.2	40 x 6 1 1/8 x 3/8
U01519	Series 55 Luff box for Sailman battens, adjustable	73 2 3/4	145 5 3/4	Sailman Arm	279 9.8	U30102
U01523	Series 55 Luff box for Round battens	73 2 3/4	145 5 3/4	M10 Thread	239 8.4	11R/12R
U01522	Series 55 Luff box for Flat battens	73 2 3/4	145 5 3/4	M10 Thread	232 8.2	40 x 6 1 1/8 x 3/8
U01521	Series 55 Luff box for Sailman battens	73 2 3/4	145 5 3/4	M10 Thread	231 8.2	U30102
U01520	Series 55 Luff box for Sailman battens, adjustable	73 2 3/4	145 5 3/4	M10 Thread	279 9.8	U30102
U99980	Selden/Kemp Sail Groove Insert	30 1 1/8	155 6 1/4			

Sailman 5000 Full Batten Systems

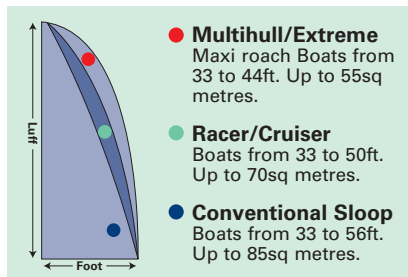
For boats up to 56 feet (17m) approx.



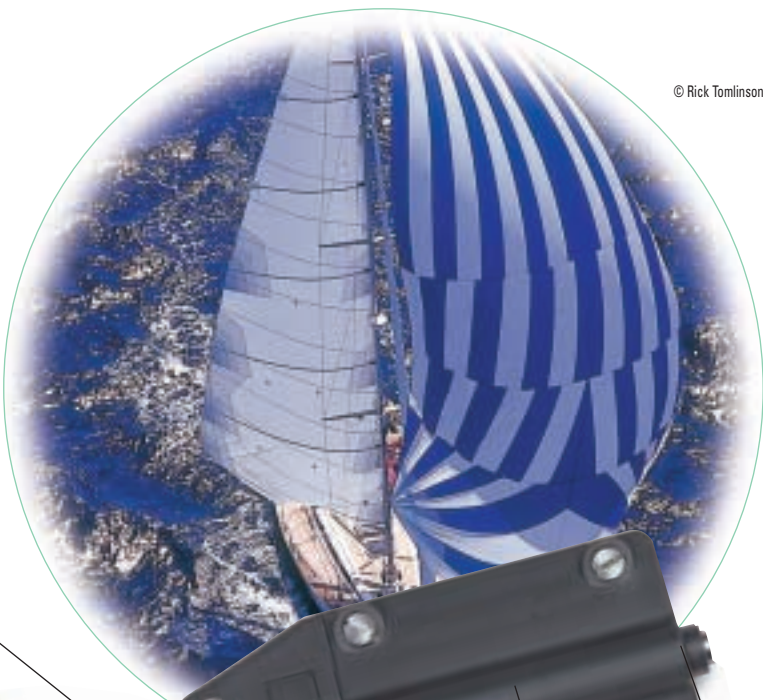
Sailman 5000 is a tracked full batten system for boats up to 56ft. By using a specifically designed external track that is attached to the back of the mast friction is minimised making for a more durable and easy to use sail handling system. Sailman 5000 cars are compatible with Series 35 and Series 55 batten boxes.

Sail Areas

Recommended maximum sail areas according to yacht type and roach variation.

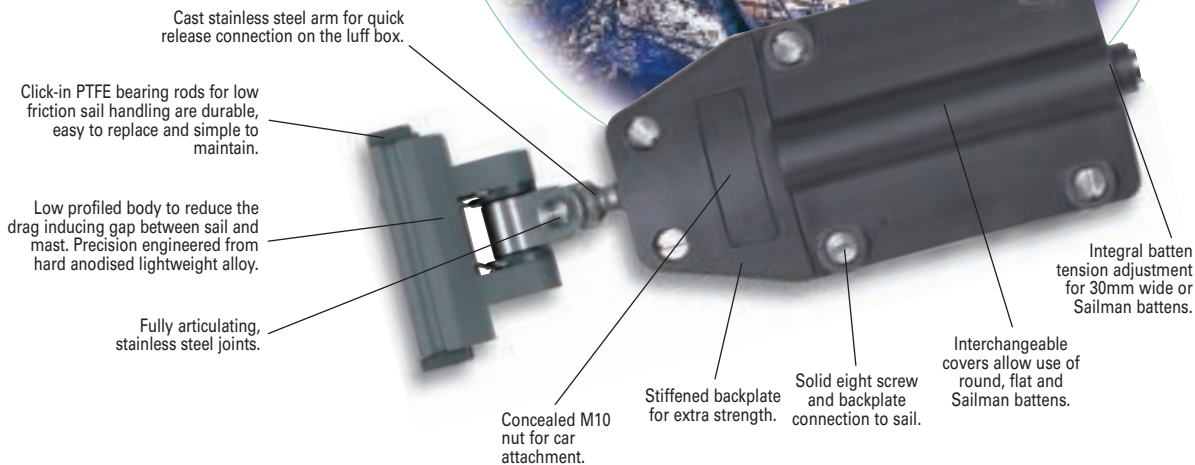


The big-roached rigs of some multihulls and water-ballasted yachts add considerably to the extreme loads applied to batten systems. If in doubt contact your Bainbridge International outlet for further advice.



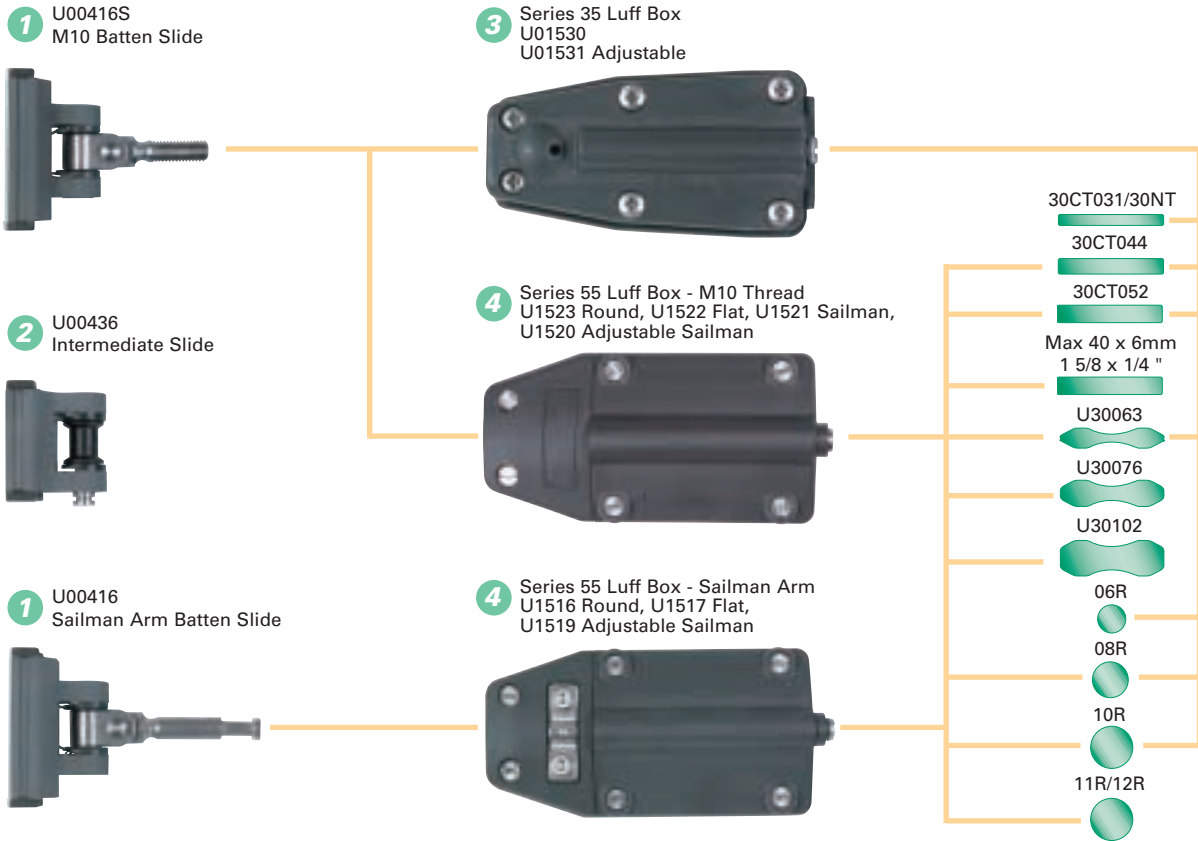
© Rick Tomlinson

Sailman™ - Full Batten Systems



Sailman 5000 Full Batten Systems

For boats up to 56 feet (17m) approx.



1 Batten Cars:

- ▲ Car body is a low profile and light weight design manufactured from anodised alloy.
- ▲ Cars run on PTFE slide rods that are low friction, zero maintenance, simple to replace and more reliable than ball bearings.
- ▲ Solid stainless steel hinge system and connecting arm.
- ▲ Choice of M10 or Sailman arm connection to batten box. Sailman arm allows simple and quick sail removal by releasing two screws.

2 Intermediate Cars:

- ▲ Same features as batten car but with a shorter body.
- ▲ Sail attachment system is via a cotton reel webbed to the sail.
- ▲ Vertical pin with captive spring clip releases sail in seconds.

3 Series 35 Batten Boxes:

- ▲ Tough injection moulded construction.
- ▲ Concealed M10 nut for extra strength compared to threaded plastic designs.
- ▲ Optional batten tension adjustment with metal drive dog.
- ▲ Snap-in guides accommodate flat battens up to 30mm x 6.5mm including U30063 (see page 71) and round battens up to 10mm.

4 Series 55 Batten Boxes:

- ▲ Tough injection moulded fibre re-reinforced construction.
- ▲ Two slide attachment options: M10 thread or unique Sailman arm that allows simple sail removal by loosening two screws.
- ▲ Optional tension adjustment for Sailman battens with metal drive dog.
- ▲ Models available to suit round, flat and Sailman battens.

Sailman 5000 Components

Part No.	Description	Width/Dia: mm/in	Length: mm/in	Connection	Weight: gm/oz	Max. Batten
U00436	Intermediate car	48 1 7/8	50 2	Webbing	85 3	
U00416S	Batten car, M10 thread	48 1 7/8	68 2 1/8	M10 Thread	170 6	
U00416	Batten car, Sailman Arm	48 1 7/8	68 2 1/8	Sailman Arm	170 6	
U00417S	Batten car, M12 thread	48 1 7/8	68 2 1/8	M12 Thread	170 6	
U01530	Series 35 standard luff box,	62 2 5/8	120 4 3/4	M10 Thread	148 5.3	U30063 or 10R
U01531	Series 35 luff box w. batten tensioner	62 2 5/8	120 4 3/4	M10 Thread	148 5.3	U30063 or 10R
U01532	Series 35 luff box w. batten tensioner	62 2 5/8	120 4 3/4	M12 Thread	148 5.3	U30063 or 10R
U01523	Series 55 Luff box for Round battens,	73 2 7/8	145 5 3/4	M10 Thread	239 8.4	11R/12R
U01522	Series 55 Luff box for Flat battens,	73 2 7/8	145 5 3/4	M10 Thread	232 8.2	40 x 6 1 3/8 x 1/4
U01521	Series 55 Luff box for Sailman battens	73 2 7/8	145 5 3/4	M10 Thread	231 8.2	U30102
U01520	Series 55 Luff box for Sailman battens, adjustable	73 2 7/8	145 5 3/4	M10 Thread	279 9.8	U30102
U01516	Series 55 Luff box for round battens	73 2 7/8	140 5 1/2	Sailman Arm	239 8.4	11R/12R
U01517	Series 55 Luff box for flat battens	73 2 7/8	140 5 1/2	Sailman Arm	232 8.2	40 x 6 1 3/8 x 1/4
U01519	Series 55 Luff box for Sailman battens, adjustable	73 2 7/8	145 5 3/4	Sailman Arm	279 9.8	U30102

Sailman 5000 Full Batten Systems

For boats up to 56 feet (17m) approx.



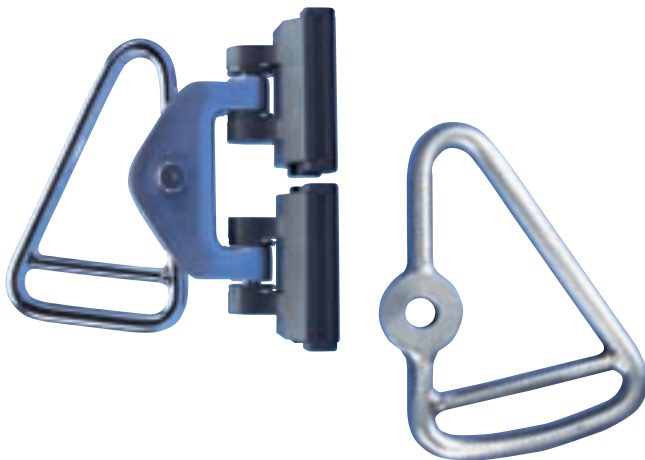
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Sailman™ - Full Batten Systems

Head Cars

Two styles are available. Standard cars are designed to be webbed to a standard headboard or heading. For larger yachts double length head cars are recommended. Featuring two cars linked together, they are connected to either the standard or heavy duty Sailman heading, or the new B942ABK (see page 84) by a cast hinge allowing for full articulation and easy removal of the sail.



Part No.	Description	Width/Dia: mm/in	Length: mm/in	Connection	Weight: gm/oz
U00816	Head car	48 1 7/8	68 2 1/4	Webbing	121 4.3
U00814	Heavy duty head car	48 1 7/8	139 5 1/2	Clevis pin	464 16.4
B942ABK	Headboard	116 4 1/2	175 6 7/8	Clevis Pin	85 2.9
U00798	Head ring	84 3 3/8	130 5 1/4	Clevis pin	149 5.25
U00800	Heavy duty head ring	111 4 3/8	142 5 3/4	Clevis pin	361 12.7

Spares

Sailman 5000 has been designed to be simple to maintain and service. A full range of spares is available to order including the parts shown below.



Part No.	Description
U00321	Cotton reel for intermediate car
U00300	Replacement bush for cars
U00431	Replacement slide rod for intermediate cars
U00411	Replacement slide rod for batten and head cars
U00659	Sailman arm, toggle, bolt assembly
U00658	M10 thread arm, toggle, bolt assembly
U00658M12	M12 thread arm, toggle, bolt assembly
U00650	Vertical pin for batten car
U00313	Vertical pin for intermediate batten car
U00312	Retaining clips

Sailman 5000 Full Batten Systems

Designing A Track Layout

- ▲ Working from the gooseneck start with an U00007 track end stop.
- ▲ The first track section should be a U00042 120mm feeding section. This allows cars to be removed from the bottom of the stack.
- ▲ Next use a U00064 one metre length.
- ▲ Above this add a second U00042 120mm feeding section. This allows cars to be removed from the top of the stack.
- ▲ Fill the remaining luff length with track. Minimise the number of joins by using as many 4 metre lengths as you can.
- ▲ Cut the top track section to finalise length. Finish as close to the mast head as possible with another U00007 end stop.
- ▲ Where two pieces of track meet a joining key is needed. The number of keys needed is always one less than the total number of pieces of track.

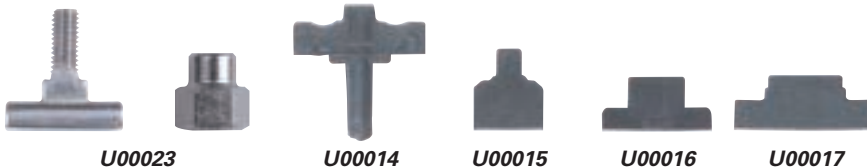


Part No.	Description	Number of Track Fixings	Width/Dia: mm/in	Length: mm/in	Weight: gm/oz
U00042	Car feeder track	2	24 5/16	120 4 3/4	60 2.1
U00046	Track, 1 metre length	13	24 5/16	1000 39	496 17
U00048	Track, 2 metre length	26	24 5/16	2000 79	992 35
U00049	Track, 4 metre length	52	24 5/16	4000 157	1984 70
U00005	Track joining keys				
U00007	Track endstops				
U00008	Delrin Bush*				

*Provides insulation when using M5 fixings.

Track Fixing Systems

- ▲ U00014 fits most Selden spars. The addition spiggots hold the slug in position within the track cavity.



Part No.	Description	Slug Width: mm/in	Waist Width: mm/in	Pack Quantity
U00023	T Bolt/T Nut		-	50
U00014	Selden Slug	19.5 3/4	4.8 3/16	50
U00015	Slug	10.0 25/64	4.8 3/16	50
U00016	T Slug	16.0 5/8	8.5 11/32	50
U00017	T Slug	23.0 29/32	13.2 17/32	50

Sample Test Kit

- ▲ Track shown is correctly fitted to spar using test kit.



Part No.	Contents
U10001	4 Inserts, 1 Tee Bolt, 1 Nut, 1 Test Track

Mast Track

Sailman 5000 track has been specifically designed for full batten systems and is not 'borrowed' from a mainsheet traveller. With an optimised car/track interface friction is minimised from both compression and tension loads.



Quick Fit Track Fixing System

The new quick fit track fixing system has been designed to simplify fitting tracks by removing the need to drill, tap and then blind screw into the spar. The system comprises a threaded, T shaped casting that, when inserted into the correctly profiled slug, fits neatly into the mast track. Once the track is in position specially designed nuts secure it to the mast using a standard 1/4" x 9mm socket.

Like all fixing systems it is possible to fit the track with the mast in boat. However it is easier with the spar secured sail track upwards on trestles.

Using The Quick Fit Track Fixing System:

- ▲ First order U10001 sample kit to test which insert you will require. Fit this to the spar and select the insert that best fits the sail track. The insert should fill as much of the sail track as possible.
- ▲ Order the correct number of fixings.
- ▲ Insert the correct number of fixings into the sail track.
- ▲ Screw down the track using a 1/4" x 9mm socket spanner. Make sure the fastenings are tight and the track secure but do not use excessive force. Ideally a breakable thread locking adhesive should be used.

Sailman 7000 Full Batten Systems

For boats up to 80 feet (24m) approx.



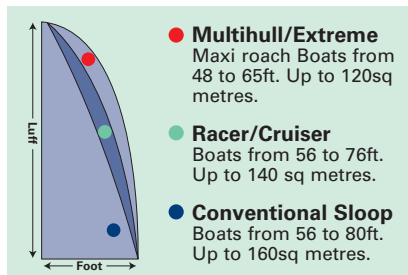
Sailman 7000 is a tracked full batten system for larger boats and unusually demanding applications up to 80ft.

Friction is minimised by using a specifically designed track that is fixed to the aft face of the mast. The cars run on PTFE impregnated slide rods that are efficient, economical, simple, reliable and easy to maintain.

For applications where ultimate low friction is vital and the system can be regularly serviced, cars are available with re-circulating ball bearings.

Sail Areas

Recommended maximum sail areas according to yacht type and roach variation.



The big-roached rigs of some multihulls and water-ballasted yachts add considerably to the extreme loads applied to batten systems. If in doubt contact your Bainbridge International outlet for further advice.



© Jon Nash

Sailman™ - Full Batten Systems

Cast stainless steel arm for quick release connection on the luff box.

Low profiled body to reduce the drag inducing gap between sail and mast. Precision engineered from hard anodised lightweight alloy.

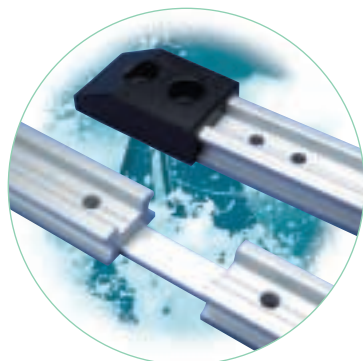
Click-in PTFE bearing rods for low friction sail handling are durable, easy to replace and simple to maintain.

Fully articulating, stainless steel joints.

Spring loaded quick release sail attachment system.

Solid eight screw and backplate connection to sail.

Interchangeable covers allow use of round, flat and Sailman battens.



Intermediate and Reef Cars

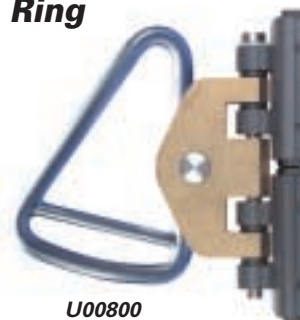


U00435



U00435HD

Head Car & Head Ring

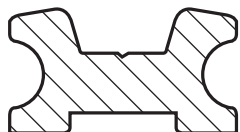


U00800

U00815HD

Track

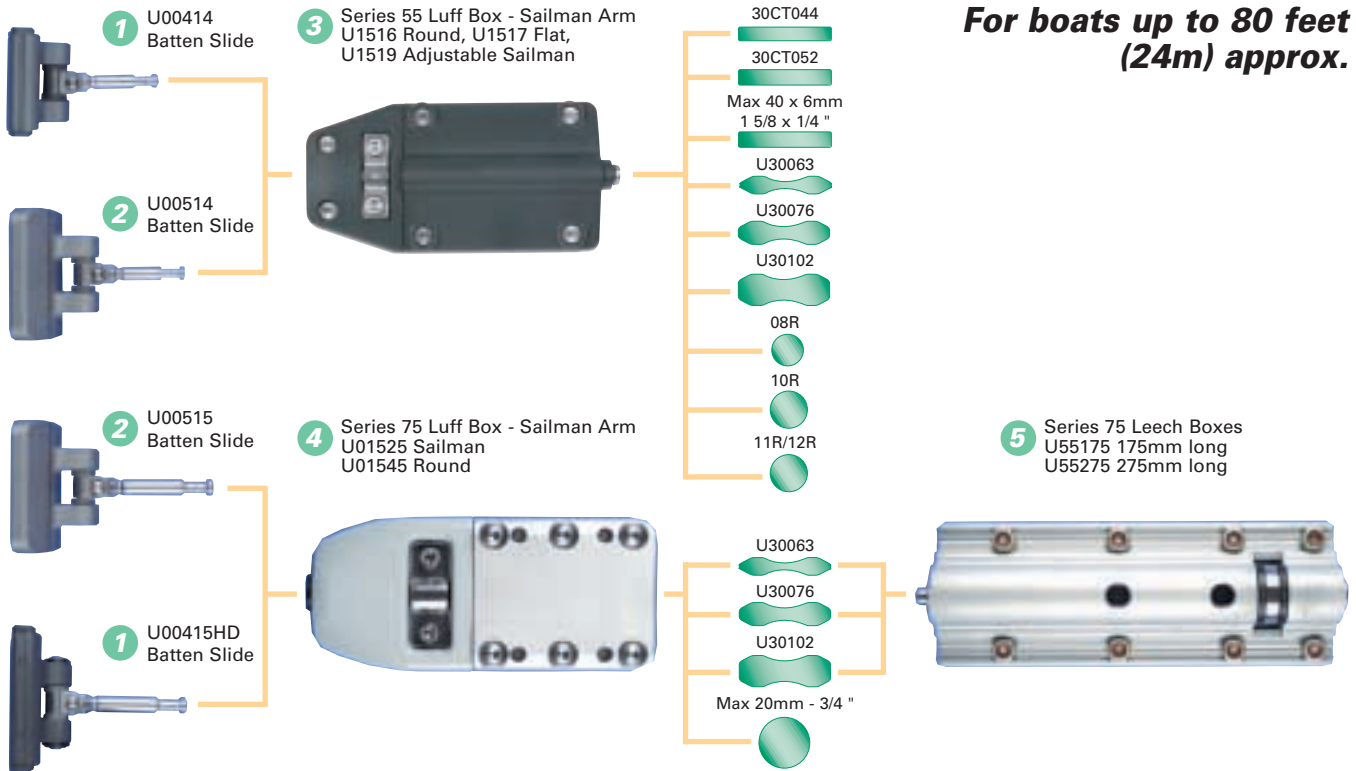
Track is available in 150mm, 1000mm, 2000mm and 4000mm lengths.



1:1 Track Cross Section

Sailman 7000 Full Batten Systems

For boats up to 80 feet
(24m) approx.



1 Batten Cars:

- ▲ Manufactured from extruded aluminium for light weight and hard anodised for lasting protection.
- ▲ Click in PTFE bearing rods slide easily yet are low in maintenance and simple to replace.
- ▲ Solid stainless steel hinge system with super strong 12mm connecting arm.
- ▲ Sailman arm designed for simple and quick sail removal; simply loosen two screws and arm is released from batten box.

2 RCB Batten Cars:

- ▲ As above but with re-circulating ball bearings.
- ▲ Ultimate low friction provided cars are cleaned regularly.

3 Series 55 Batten Boxes:

- ▲ Tough injection moulded fibre re-reinforced construction.
- ▲ Two slide attachment options: M10 thread or unique Sailman arm that allows simple sail removal by loosening two screws.
- ▲ Optional tension adjustment for Sailman battens with metal drive dog.
- ▲ Models available to suit round, flat and Sailman battens.

4 Series 75 Batten Boxes:

- ▲ Solid cast aluminium construction for ultimate strength.
- ▲ Sailman arm connection allows simple and quick sail removal.
- ▲ Models available to suit round and Sailman battens.

5 Leech Boxes:

- ▲ Tension adjustment for Sailman battens.
- ▲ Two sizes available.

Sailman 7000 Components

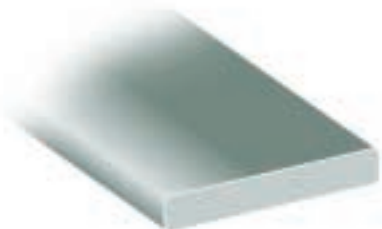
Part No.	Description	Width/Dia: mm/in	Length: mm/in	Connection	Weight: gm/oz	Max. Batten
U00414	Batten car for Series 55 luff box	53 2 1/8	97 3 1/8	Sailman Arm	234 8.2	
U00415HD	Batten car high load for Series 75 luff box	53 2 1/8	97 3 1/8	Sailman Arm	277 9.8	
U00514	Batten car RCB for Series 55 luff box	82 3 1/4	92 3 3/8	Sailman Arm	375 13.2	
U00515	Batten car RCB for Series 75 luff box	82 3 1/4	92 3 3/8	Sailman Arm	386 13.6	
U01516	Series 55 luff box for round battens	73 2 7/8	140 5 1/2	Sailman Arm	239 8.4	11R/12R
U01517	Series 55 luff box for flat battens	73 2 7/8	140 5 1/2	Sailman Arm	232 8.2	40 x 6 9/16 Flat
U01519	Series 55 luff box for sailman battens, adjustable	73 2 7/8	140 5 1/2	Sailman Arm	279 9.8	U30102
U01525	Series 75 luff box for sailman battens	66 2 1/2	147 5 3/8	Sailman Arm	506 17.8	U30127
U01545	Series 75 luff box for round battens	66 2 1/2	147 5 3/8	Sailman Arm	506 17.8	20R
U00435	Intermediate car	53 2 1/8	55 2 1/8	Webbing	114 4	
U00435HD	Reef car high load	53 2 1/8	73 2 7/8	Webbing	134 4.7	
U00535	Intermediate car RCB	82 3 1/4	77 3	Webbing	258 9.1	
U00815HD	Head car high load	53 2 1/8	194 7 5/8	Clevis Pin	804 28.3	
U00800	Head ring	111 4 3/8	142 5 5/8	Clevis Pin	361 12.7	
U55175	Leech compression adjuster	64 2 1/2	175 6 7/8		468 16.5	
U55275	Leech compression adjuster	64 2 1/2	275 11		757 26.7	
U00033	Car feeder track	31 1 1/4	150 5 7/8	130	4.6	
U00034	Track, 1 metre length	31 1 1/4	1000 39	867	30.6	
U00035	Track, 2 metre length	31 1 1/4	2000 79	1374	61	
U00001	Track joining keys					
U00002	Standard track endstops					

Note: Sailman 7000 slides fitted with the optional threaded arm can easily be used as an upgrade for other manufacturers products that also use an M12 connection, such as SDA.

Full Length Battens

Flat Battens

These low cost quality pultrusions are tough, durable and minimise sail chafe. All styles are 30mm wide but vary in thickness to offer logical and progressive increases in stiffness. This allows different stiffness' to use the same width pocket and luff box.



Sailman Battens

Highest quality vinylester pultrusions deliver ultimate tenacity for demanding full batten applications. Selected for the BT Global Challenge, the worlds toughest yacht race, they feature a logical and progressive range of stiffness', and a common 30mm width.



Round Battens

Outstanding stiffness to weight combined with low cost make round section pultrusions an excellent choice for full batten applications although they are most liable to breakage and can cause sail chafe.

▲ Longer lengths are available against special order. Long packages may however involve the purchaser in higher than normal freight costs.



Specifications - Flat Battens

Part No.	Luff Box	Profile	Width	Thickness	Stiffness	Weight	Length
30CT031 (Europe)	U01530	Flat	30mm 1 3/8"	3.1mm 1/8"	1000gms	188gms/m 2.0oz/ft	6m 19.7ft
30NT (US)	U01530	Flat	30mm 1 3/8"	3.1mm 1/8"	1000gms	188gms/m 2.0oz/ft	4m 13ft
30CT044	U01530 U01531 U01519 U01518	Flat	30mm 1 3/8"	4.4mm 1/4"	3000gms	266gms/m 2.9oz/ft	6m 19.7ft
30CT052	U01531 U01519 U01518	Flat	30mm 1 3/8"	5.2mm 1/4"	5000gms	315gms/m 3.4oz/ft	6m 19.7ft

Note: 30NT available in USA only. 30CT031 available in Europe only.

Specifications - Sailman Battens

Part No.	Luff Box	Profile	Width	Thickness	Stiffness	Weight	Length
U30063	U01530 U01531 U01519 U01520 U01525	Sailman	30mm 1 3/8"	6.3mm 1/4"	7000gms	293gms/m 3.2oz/ft	12m 39.4ft
U30076	U01518 U01519 U01520 U01525	Sailman	30mm 1 3/8"	7.6mm 3/8"	15000gms	382gms/m 4.1oz/ft	12m 39.4ft
U30102	U01518 U01519 U01520 U01525	Sailman	30mm 1 3/8"	10.2mm 3/8"	37000gms	530gms/m 5.7oz/ft	12m 39.4ft
U30114	U01525	Sailman	30mm 1 3/8"	11.4mm 7/8"	58000gms	618gms/m 6.6oz/ft	12m 39.4ft
U30127	U01525	Sailman	30mm 1 3/8"	12.7mm 1/2"	94000gms	704gms/m 7.6oz/ft	12m 39.4ft

Specifications - Round Battens

Part No.	Luff Box	Profile	Width	Thickness	Stiffness	Weight	Length
06R	U01530 U01531	Rod	-	6mm 1/4"	1000gms	52gms/m 0.7oz/ft	5m (Europe) 20ft (US)
08R	U01530 U01531 U01516	Rod	-	8mm 5/8"	3500gms	88gms/m 1.0oz/ft	5m (Europe) 20ft (US)
10R	U01530 U01531 U01516	Rod	-	10mm 3/8"	9000gms	144gms/m 1.4oz/ft	5m (Europe) 20ft (US)
11R (US)	U01516	Rod	-	12mm 1/2"	17000gms	211gms/m 2.1oz/ft	20ft (US)
12R (Europe)	U01516	Rod	-	12mm 1/2"	17000gms	211gms/m 2.1oz/ft	6m (Europe)

Note: 11R available in USA only. 12R available in Europe only.

Stiffness

Stiffness is calculated as the load needed to deflect a 1 metre length supported at both ends by 100mm.

